APPENDIX A: Climate and Meteorology

A-3. Quarterly Meteorological Reports Data

2012 Quarterly Meteorological Reports

2013 Quarterly Meteorological Reports

2014 Quarterly Meteorological Reports

2015 Quarterly Meteorological Reports

2016 Quarterly Meteorological Reports

TINTINA RESOURCES, INC.
BLACK BUTTE COPPER PROJECT

METEOROLOGICAL MONITORING PROGRAM
Quarterly Data Report
Second Quarter 2012

Prepared for:

Tintina Resources, Inc.
17 East Main St.
White Sulphur Springs, MT 59645

Prepared by:

Bison Engineering, Inc.
1400 11th Ave.
Helena, MT 59601
http://www.bison-eng.com

August 15, 2012

CERTIFICATION OF DATA INTEGRITY

Bison Engineering, Inc., certifies the data in this report is an accurate summary of the air quality conditions measured at the Black Butte Mine Met Tower air monitoring site. Every effort was made to obtain accurate and representative data and to comply with the procedures set forth in the *Quality Assurance Project Plan*, the *State of Montana Ambient Air Monitoring Program Quality Assurance Project Plan*, the Environmental Protection Agency's *Quality Assurance Handbook for Air Pollution Measurement Systems: Volume II, Ambient Air Specific Methods (April 1994)*, and EPA's *Quality Assurance Handbook for Air Pollution Measurement Systems, Volume II, Part 1, Ambient Air Quality Monitoring Program Quality System Development (March 1998).*

Preparer: Jeffrey S. Bell

Signature: _____

Title: Senior Field Technician

Date: _____

Reviewer: Rebecca L. Picchioni, P.E.

Signature: _____

Title: Project Engineer

Date: _____

TABLE OF CONTENTS

CERTIFICATION OF DATA INTEGRITY ii

1.0 INTRODUCTION 1

2.0 MONITORING SYSTEM OPERATIONS 3

3.0 CALIBRATION DATA 4

4.0 PERFORMANCE AUDIT DATA 7

5.0 DATA COMPLETENESS 8

6.0 MONITORING DATA 11

LIST OF TABLES

Table 1. Meteorological Calibration 5
Table 2. Monthly Data Completeness 8
Table 3. Quarterly Data Completeness 10
Table 4. Periods of Missing Meteorological Data 10
Table 5. Missing Data Codes 11
Table 6. Monthly Wind Rose Summary, Black Butte Mine Met Tower 12
Table 7. Monthly Wind Rose Summary, Black Butte Mine Met Tower 13
Table 8. Monthly Wind Rose Summary, Black Butte Mine Met Tower 14
Table 9. Quarterly Wind Rose Summary, Black Butte Mine Met Tower 15

LIST OF FIGURES

Figure 1. Monitoring Site Location 2
Figure 2. Monthly Wind Rose, Black Butte Mine Met Tower 16
Figure 3. Monthly Wind Rose, Black Butte Mine Met Tower 17
Figure 4. Monthly Wind Rose, Black Butte Mine Met Tower 18
Figure 5. Quarterly Wind Rose, Black Butte Mine Met Tower 19

APPENDICES

Appendix A: Hourly Meteorological Data

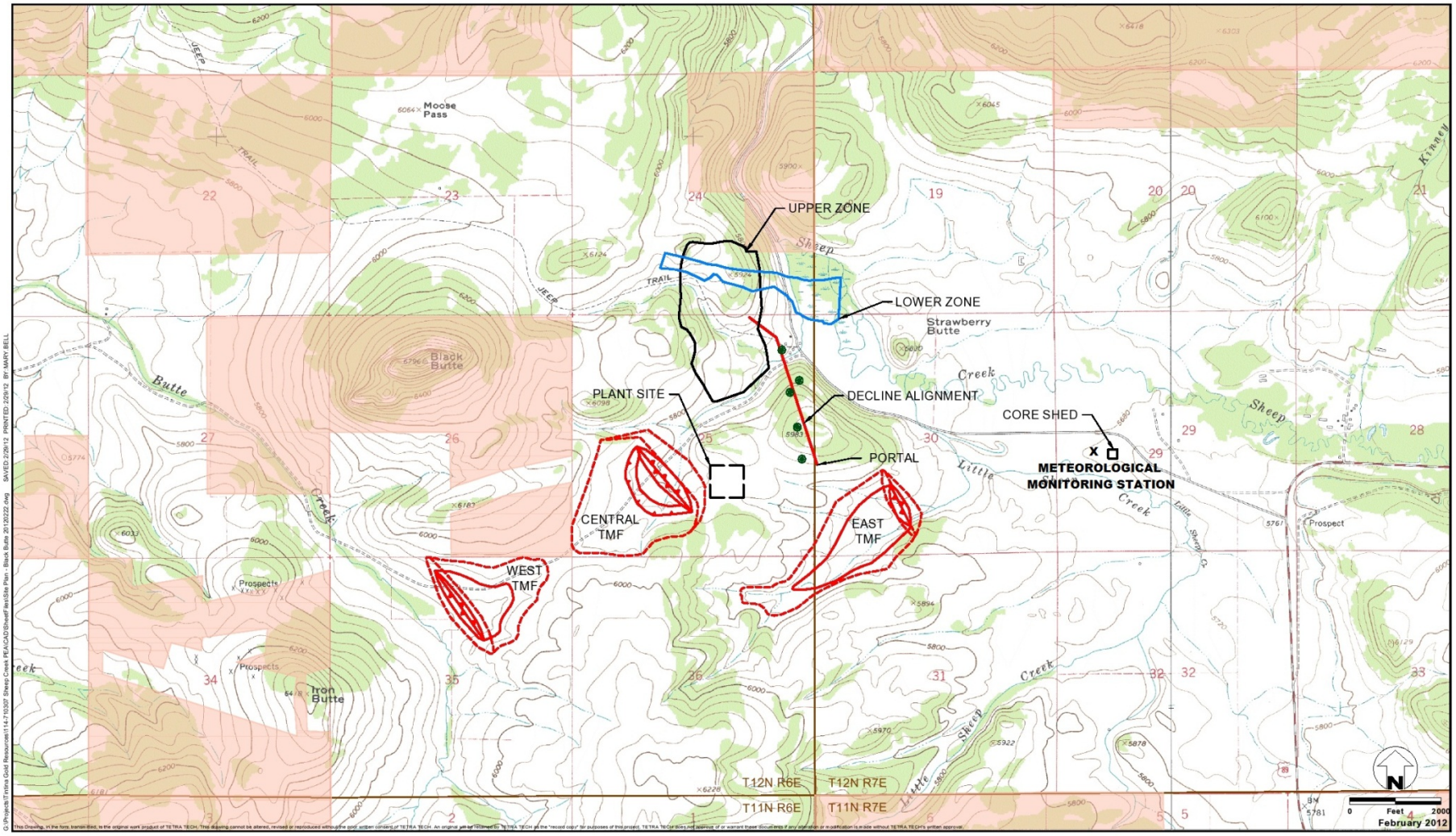
1.0 INTRODUCTION

Tintina Resources, Inc. established an ambient air monitoring site to measure wind speed, wind direction, standard deviation of wind direction, temperature at 9 meters and 2 meters, delta temperature, solar radiation, barometric pressure and precipitation. The project was established to accurately characterize the local meteorology in support of a mining permit, and a possible Environmental Impact Statement and other types of environmental studies.

The meteorological monitoring system was installed in April, 2012. The site is operated by Bison Engineering, Inc., of Helena and Billings. Figure 1 shows the location of the monitoring site.

This report presents the data collected during the second quarter (April through June) of 2012. In addition, a description of the monitoring system operations is presented, together with summaries of quality assurance activities, including calibrations and performance audits. Tabular summaries of the data completeness achieved and the periods of missing data also are presented.

Figure 1. Monitoring Site Location



2.0 MONITORING SYSTEM OPERATIONS

The installation of the monitoring meteorological system equipment took place in April 2012, soon after the equipment was received from the manufacturers. The installation and calibration of the equipment required about two weeks to complete. All meteorological parameters were in full operation and producing valid data by April 30, 2012.

3.0 CALIBRATION DATA

Results of the throughput calibrations performed on the meteorological systems during the second quarter are given in Table 1. Calibrations of the temperature system are carried out at the field monitoring sites by using a water bath. Calibrations of the wind direction system are done by subjecting the sensor to an artificial test of known directions. Calibrations of the wind speed system are done by subjecting the sensor to an artificial test using a synchronous motor. Calibrations of the solar pyranometer, barometric pressure sensor and precipitation gauge were performed at the factory prior to installation. These instruments were field-checked once operational.

During calibrations, the sensors are operated in their normal sampling mode. All operational adjustments to the system are completed prior to calibration. Calibrations are performed once each quarter.

Table 1. Meteorological Calibration

April 30, 2012						
Delta Temperature						
Sensor: Climatronics/100093						
Calibration Device: Certified Thermometer Taylor Model #21413						
	Pre-adjustment				Post-adjustment	
Calibration Value deg C	9m Station Value deg C	2m Station Value deg C	9m Station Difference deg C	2m Station Difference deg C	9m Station Value deg C	2m Station Value deg C
12.6	12.6	12.6	0.0	0.0	na	na
22.4	22.4	22.4	0.0	0.0	na	na
29.1	29.1	29.0	0.0	-0.1	na	na
Wind Direction						
Sensor: Climatronics/WMIII, S/N: 1849						
	Pre-adjustment				Post-adjustment	
	Magnetic Declination: 12° E of N Crossarm Orientation: 12° E of N Difference: 0° from north				Crossarm Orientation: 12° E of N Difference: 0° from north	
Pre-adjustment			Post-adjustment			
Calibration Value deg	DAS Station Value deg	DAS Difference deg	Calibration Value deg	DAS Station Value deg	DAS Difference deg	
90	90	0	na	na	na	
180	180	0	na	na	na	
270	270	0	na	na	na	
360	360	0	na	na	na	
Wind Speed						
Sensor: Climatronics/WMIII, S/N: 1849						
Calibration Devices: Synchronous Motor RPM						
Pre-adjustment			Post-adjustment			
Calibration Value mps	DAS Station Value mps	DAS Difference mps	Calibration Value mps	DAS Station Value mps	DAS Difference mps	
0.2	0.2	0	na	na	na	
6.7	6.6	-0.1	na	na	na	
13.1	13.1	0	na	na	na	
20.6	20.6	0	na	na	na	

Table 1. Meteorological Calibration (Continued)

Barometric Pressure					
Sensor: Climatronics/102663-2					
Calibration Device: Shortland Bowen					
Pre-adjustment			Post-adjustment		
Calibration Value In HG	DAS Station Value In HG	DAS Difference In HG	Calibration Value In HG	DAS Station Value In HG	DAS Difference In HG
24.06	24.01	-0.05	na	na	na

Relative Humidity					
Sensor: Climatronics/102798-G0-H0					
Calibration Device: Dwyer Sling Psychrometer					
Pre-adjustment			Post-adjustment		
Calibration Value %	DAS Station Value %	DAS Difference %	Calibration Value %	DAS Station Value %	DAS Difference %
76.3	76.9	0.6	na	na	na

Precipitation					
Sensor: Climatronics/100097-1-G0					
Calibration Device: 250 ml Graduated Cylinder					
Pre-adjustment			Post-adjustment		
Calibration Value In	DAS Station Value In	DAS Difference In	Calibration Value In	DAS Station Value In	DAS Difference In
0.30	0.29	-0.01	na	na	na

na Indicates that there were no adjustments to meteorological sensors.

4.0 PERFORMANCE AUDIT DATA

Because the system was started in the second quarter, there was no audit conducted during the quarter. The first audit will occur during the third quarter, and will be documented in the next quarterly report.

5.0 DATA COMPLETENESS

The meteorological percentages of data recovery achieved during the second quarter of 2012 are given in Tables 2 and 3. In these tables, the number of possible data values during each month of the quarter is given, together with the number of valid readings and the number of hours spent on quality assurance activities (such as calibrations, performance audits, and maintenance on the sensors). The quality assurance hours are added to the number of hours of valid data to compute the net percentage data recovery.

During the second quarter, the net percentage data recovery was 83.4 percent for all meteorological parameters at Black Butte.

Table 2. Monthly Data Completeness

April 2012					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Tintina Met Tower					
Wind Speed	5	4	80.0	1	100.0
Wind Direction	5	4	80.0	1	100.0
Standard Deviation	5	4	80.0	1	100.0
Temperature 9 Meters	5	4	80.0	1	100.0
Temperature 2 Meters	5	4	80.0	1	100.0
Temperature Delta T	5	4	80.0	1	100.0
Solar Radiation	5	4	80.0	1	100.0
Barometric Pressure	5	4	80.0	1	100.0
Relative Humidity	5	4	80.0	1	100.0
Precipitation	5	4	80.0	1	100.0
Total	50	40	80.0	10	100.0

Table 2. Monthly Data Completeness (Continued)

May 2012					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Tintina Met Tower					
Wind Speed	744	744	100.0	0	100.0
Wind Direction	744	744	100.0	0	100.0
Standard Deviation	744	744	100.0	0	100.0
Temperature 9 Meters	744	744	100.0	0	100.0
Temperature 2 Meters	744	744	100.0	0	100.0
Temperature Delta T	744	744	100.0	0	100.0
Solar Radiation	744	744	100.0	0	100.0
Barometric Pressure	744	744	100.0	0	100.0
Relative Humidity	744	744	100.0	0	100.0
Precipitation	744	744	100.0	0	100.0
Total	7,440	7,440	100.0	0	100.0

Table 2. Monthly Data Completeness (Continued)

June 2012					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Tintina Met Tower					
Wind Speed	720	476	66.1	0	66.1
Wind Direction	720	476	66.1	0	66.1
Standard Deviation	720	476	66.1	0	66.1
Temperature 9 Meters	720	476	66.1	0	66.1
Temperature 2 Meters	720	476	66.1	0	66.1
Temperature Delta T	720	476	66.1	0	66.1
Solar Radiation	720	476	66.1	0	66.1
Barometric Pressure	720	476	66.1	0	66.1
Relative Humidity	720	476	66.1	0	66.1
Precipitation	720	476	66.1	0	66.1
Total	7,200	4,758	66.1	0	66.1

Table 3. Quarterly Data Completeness

Second Quarter 2012					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Tintina Met Tower					
Wind Speed	1,469	1,224	83.3	1	83.4
Wind Direction	1,469	1,224	83.3	1	83.4
Standard Deviation	1,469	1,224	83.3	1	83.4
Temperature 9 Meters	1,469	1,224	83.3	1	83.4
Temperature 2 Meters	1,469	1,224	83.3	1	83.4
Temperature Delta T	1,469	1,224	83.3	1	83.4
Solar Radiation	1,469	1,224	83.3	1	83.4
Barometric Pressure	1,469	1,224	83.3	1	83.4
Relative Humidity	1,469	1,224	83.3	1	83.4
Precipitation	1,469	1,224	83.3	1	83.4
Total	14,690	12,237	83.3	10	83.4

Table 4. Periods of Missing Meteorological Data

Starting Date/Hour	Ending Date/Hour	Parameter	Total Hours	Percent of Quarter	Circumstance
June 15/15	June 25/18	all	244	16.4	Missing data: Power failure at site.

6.0 MONITORING DATA

The hourly data values collected at the monitoring sites are given in the data tables in Appendix A. Each of these tables presents one month's data for all parameters in the monitoring system. In addition, the average, maximum, and minimum values for each parameter for each day are listed (for wind direction, the prevailing wind direction for the day is given). For those hours with missing data, a code is given that explains the reason the data were missing. These codes are given in Table 5.

Monthly and quarterly wind rose distributions from the monitoring site are presented in Tables 6 through 9. These tables give the percentage frequency of occurrence of winds from 16 cardinal directions and from 22 wind speed ranges. These same data are presented graphically in Figures 2 through 5. In the wind rose figures, the length of each "petal" of the rose is proportional to the percentage of time the wind blew from that direction. On the bottom of each figure is a histogram showing the average wind speed from each of the cardinal wind directions.

Table 5. Missing Data Codes

Mnemonic Code	Description	Equivalent EPA Null Value Reason Code
Sc	Scheduled but not collected	9972
Ti	Sample time out of limits	9973
Fi	Filter damage	9976
Op	Voided by operator	9978
ND	Machine malfunction	9980
Wx	Bad weather	9981
Co	Collection error	9983
Lb	Lab error	9984
QA	Poor quality assurance results	9985
Pwr	Power failure	9988
Wi	Wildlife damage	9989
AZ	Automatic zero/span check	9991
ZS	Manual zero/span check	9991
Au	Performance audit	9992
Ma	Routine maintenance/repairs	9993
Ca	Multipoint calibration	9995
PZ	Precision/zero/span	9998

Table 6. Monthly Wind Rose Summary, Black Butte Mine Met Tower

April 2012																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.1 - 2.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0
	2.1 - 3.0	0.0	0.0	0.0	25.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.0
	3.1 - 4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	4.1 - 5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	0.0	0.0	0.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
	Average Speed	---	---	---	1.9	2.4	---	---	---	---	---	---	---	---	---	---	---	2.1

Table 7. Monthly Wind Rose Summary, Black Butte Mine Met Tower

May 2012																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.4	0.4	0.8	0.5	0.8	0.9	0.8	0.5	0.7	0.3	0.0	0.4	0.3	0.0	0.1	1.1	8.1
	1.1 - 2.0	0.8	0.7	1.1	3.0	3.1	3.1	2.3	1.5	1.1	0.1	0.5	0.8	0.7	0.5	1.5	0.5	21.2
	2.1 - 3.0	0.1	0.3	0.4	2.3	3.9	1.6	0.4	0.7	0.8	0.4	0.4	1.1	2.0	2.0	3.0	0.5	19.9
	3.1 - 4.0	0.1	0.1	0.1	1.3	1.5	0.0	0.3	0.8	0.7	0.4	0.4	2.4	4.4	2.4	0.9	0.1	16.1
	4.1 - 5.0	0.1	0.0	0.0	1.2	0.4	0.4	0.3	0.8	0.3	0.0	0.4	2.2	3.1	1.6	0.9	0.1	11.8
	5.1 - 6.0	0.1	0.0	0.0	0.3	0.7	0.0	0.5	0.4	0.0	0.4	0.0	1.3	3.8	1.6	0.9	0.1	10.2
	6.1 - 7.0	0.4	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.3	0.4	0.5	2.2	1.7	0.5	0.0	6.5
	7.1 - 8.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	2.3	0.5	0.0	0.0	3.5
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.1	0.0	0.0	1.3
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.8	0.0	0.0	0.0	0.9
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.3
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	2.3	1.5	2.4	8.6	10.8	6.0	4.6	4.7	3.5	2.0	2.3	9.8	20.4	10.6	7.9	2.6	100.0
	Average Speed	3.2	1.8	1.5	2.6	2.7	1.9	2.2	2.7	2.2	4.0	3.8	4.4	5.1	4.4	3.3	1.9	3.5

Table 8. Monthly Wind Rose Summary, Black Butte Mine Met Tower

June 2012																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.5	1.5	0.4	1.1	0.8	1.1	0.6	0.4	0.2	0.2	0.0	0.0	0.2	0.2	0.0	0.4	8.6
	1.1 - 2.0	1.5	0.8	2.7	3.2	3.4	2.5	4.0	1.3	0.8	0.0	0.2	0.2	0.8	0.8	1.3	0.8	24.4
	2.1 - 3.0	0.0	0.0	0.8	2.5	2.7	1.1	0.6	0.4	0.4	0.4	0.8	0.6	1.7	1.1	2.1	0.4	15.8
	3.1 - 4.0	0.0	0.0	0.2	0.4	1.5	0.0	0.2	0.4	0.0	0.4	0.8	1.5	3.6	1.5	0.6	0.4	11.6
	4.1 - 5.0	0.0	0.0	0.0	0.0	0.4	0.0	0.2	0.4	0.4	0.6	0.8	2.9	4.0	2.3	0.6	0.2	13.0
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	0.8	0.6	2.5	2.5	1.1	0.0	0.0	9.2
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.6	0.6	1.9	2.3	0.2	0.4	0.0	6.3
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.2	0.0	0.4	2.3	1.1	1.3	0.2	0.0	5.9
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.6	0.2	0.2	0.0	0.0	1.5
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	1.9
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.8
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.4
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.4
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	2.9	2.3	4.2	7.1	8.8	5.5	7.1	3.8	3.4	3.6	4.4	12.8	17.9	8.6	5.3	2.3	100.0
	Average Speed	1.1	1.1	1.8	1.9	2.2	2.8	3.3	3.0	4.3	5.5	4.5	5.6	5.1	4.5	3.2	2.2	3.7

Table 9. Quarterly Wind Rose Summary, Black Butte Mine Met Tower

Second Quarter 2012																	
Direction>>>		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.8	0.8	0.7	0.7	0.8	1.0	0.7	0.5	0.5	0.2	0.0	0.2	0.2	0.1	0.1	0.8	8.3
	1.1 - 2.0	1.1	0.7	1.7	3.1	3.2	2.9	2.9	1.4	1.0	0.1	0.4	0.6	0.7	0.7	1.4	0.7	22.5
	2.1 - 3.0	0.1	0.2	0.6	2.5	3.6	1.4	0.5	0.6	0.7	0.4	0.6	0.9	1.9	1.6	2.6	0.5	18.5
	3.1 - 4.0	0.1	0.1	0.2	1.0	1.5	0.0	0.2	0.7	0.4	0.4	0.6	2.0	4.1	2.0	0.8	0.2	14.3
	4.1 - 5.0	0.1	0.0	0.0	0.7	0.4	0.2	0.2	0.7	0.3	0.2	0.6	2.5	3.4	1.9	0.8	0.2	12.3
	5.1 - 6.0	0.1	0.0	0.0	0.2	0.4	0.0	0.3	0.5	0.4	0.6	0.2	1.8	3.3	1.4	0.6	0.1	9.8
	6.1 - 7.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.4	0.5	1.1	2.2	1.1	0.5	0.0	6.4
	7.1 - 8.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.1	0.2	1.1	1.8	0.8	0.1	0.0	4.4
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.5	0.6	0.2	0.0	0.0	1.4
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.1	0.9	0.0	0.0	0.0	1.3
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.3
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.2
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm																		0.0
Total		2.5	1.8	3.1	8.2	10.1	5.8	5.6	4.3	3.4	2.6	3.1	10.9	19.4	9.8	6.9	2.5	100.0
Average Speed		2.3	1.4	1.6	2.3	2.5	2.2	2.8	2.8	3.0	4.8	4.2	4.9	5.1	4.5	3.2	2.0	3.6

Figure 2. Monthly Wind Rose, Black Butte Mine Met Tower

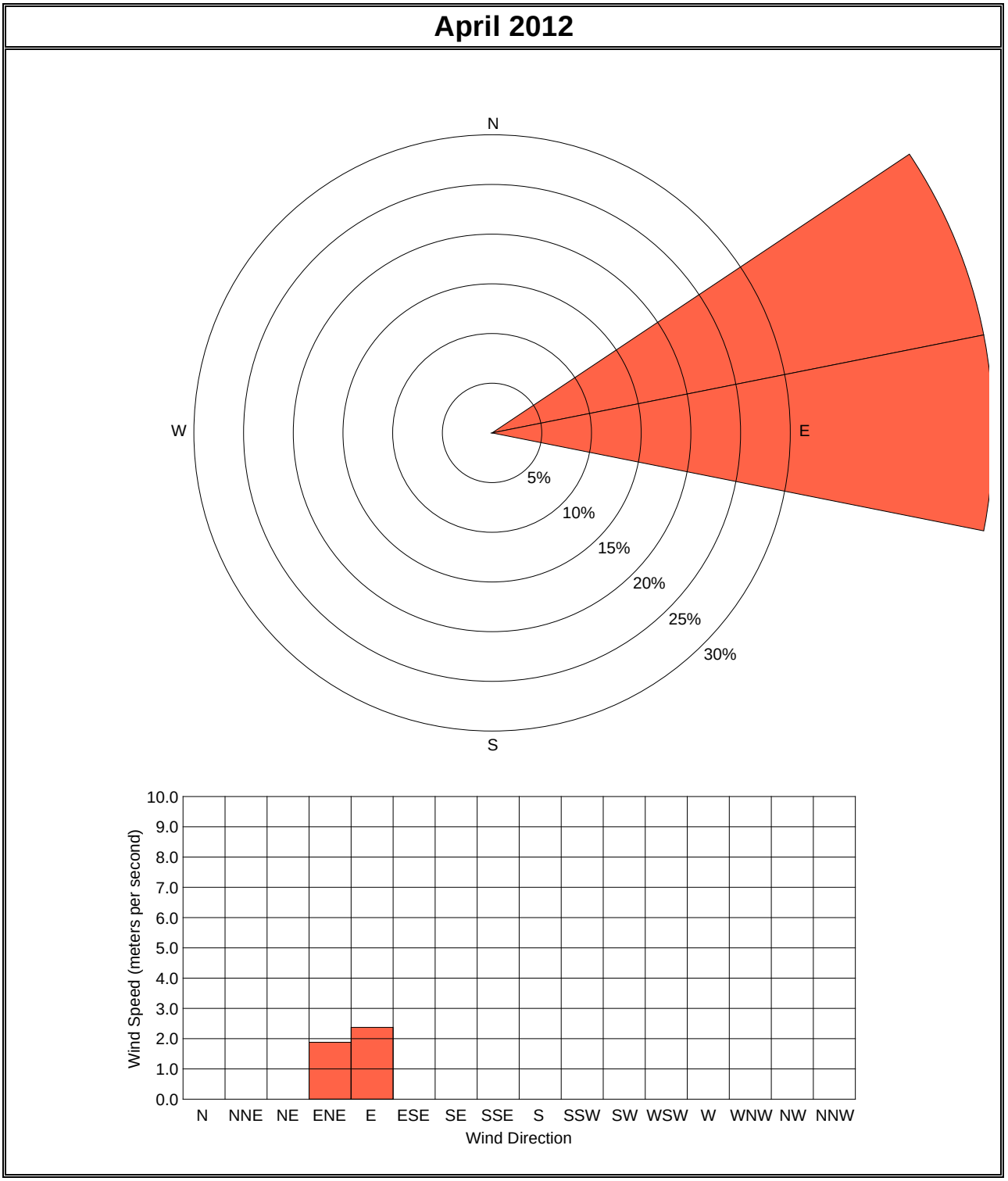


Figure 3. Monthly Wind Rose, Black Butte Mine Met Tower

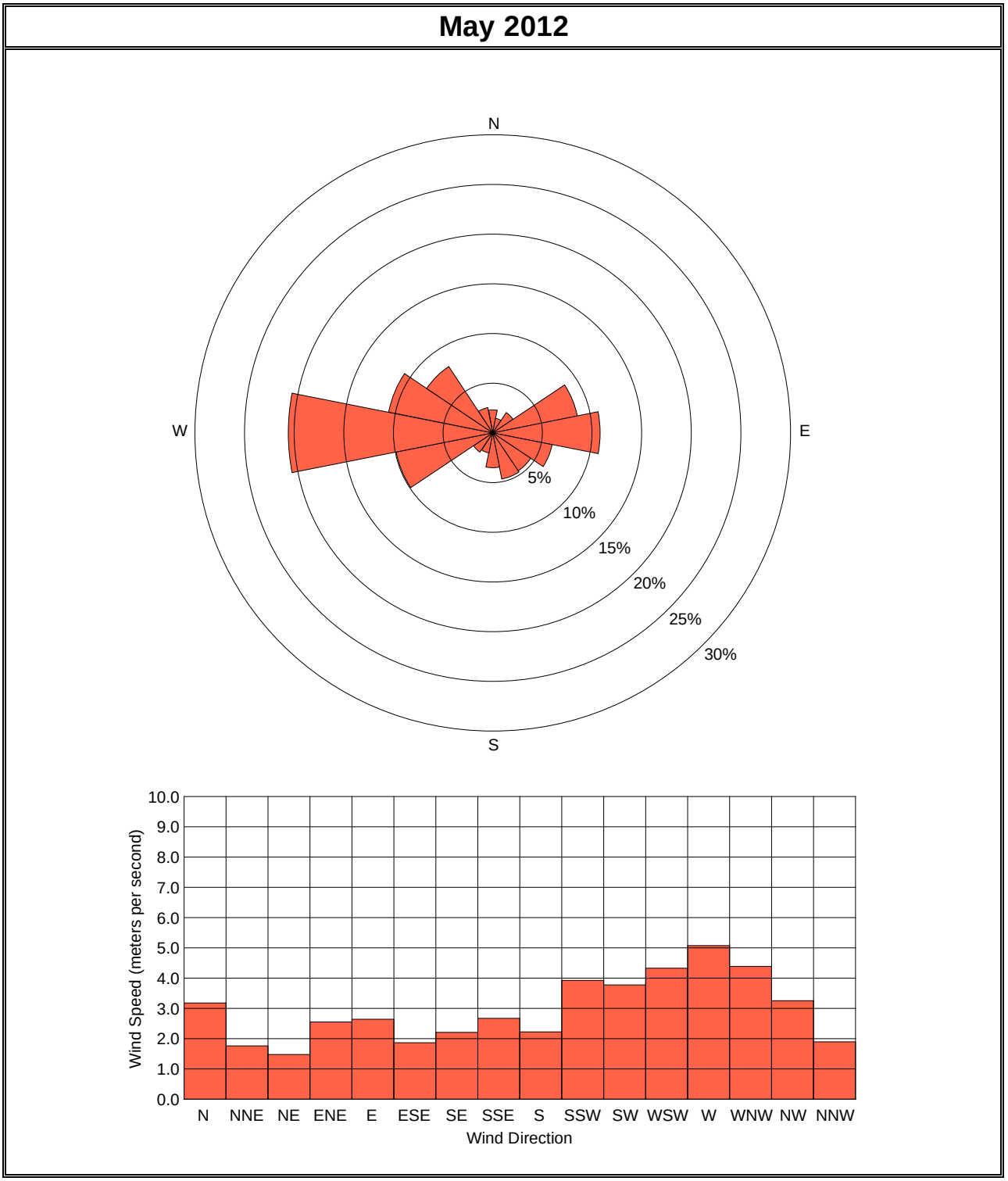


Figure 4. Monthly Wind Rose, Black Butte Mine Met Tower

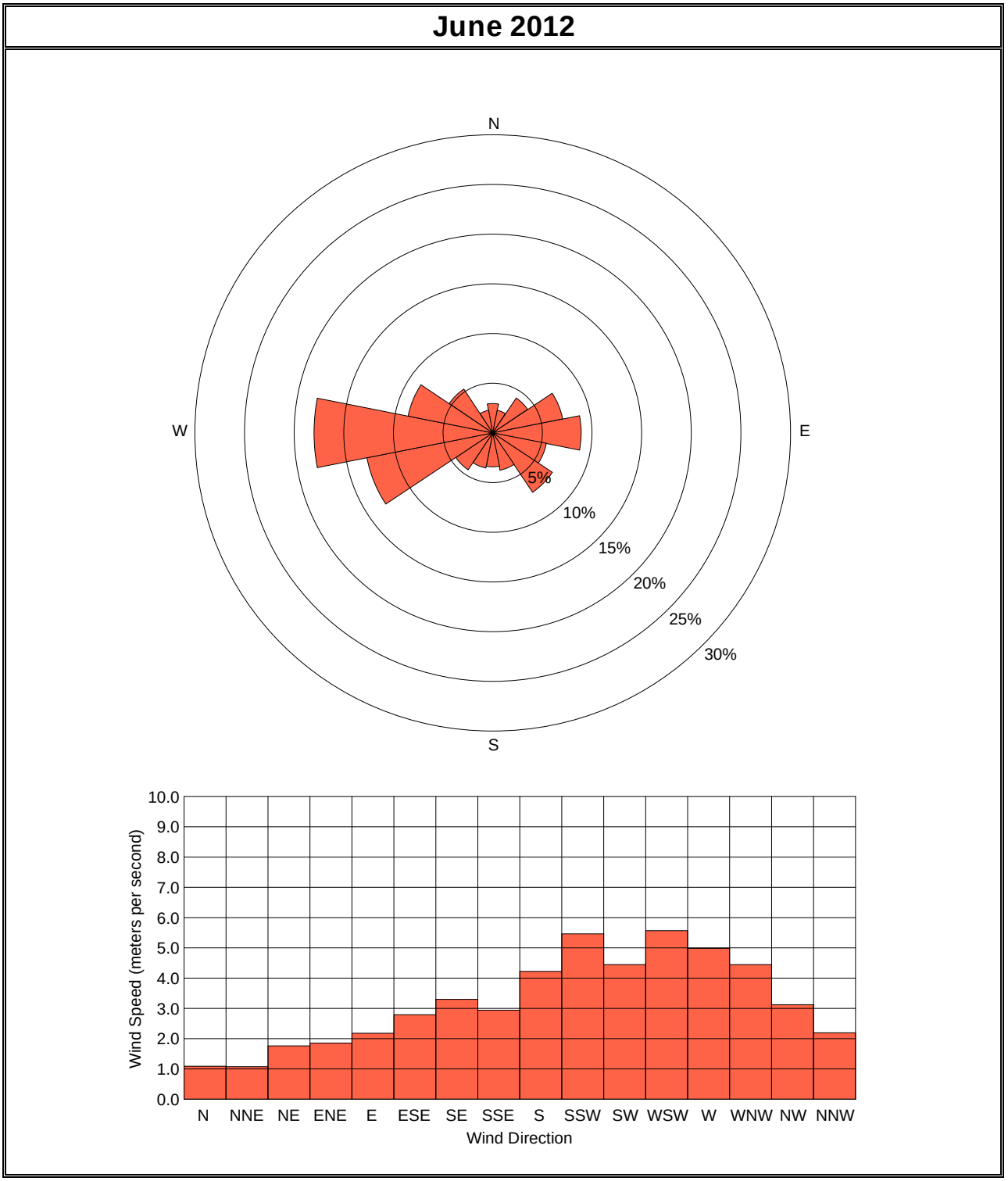
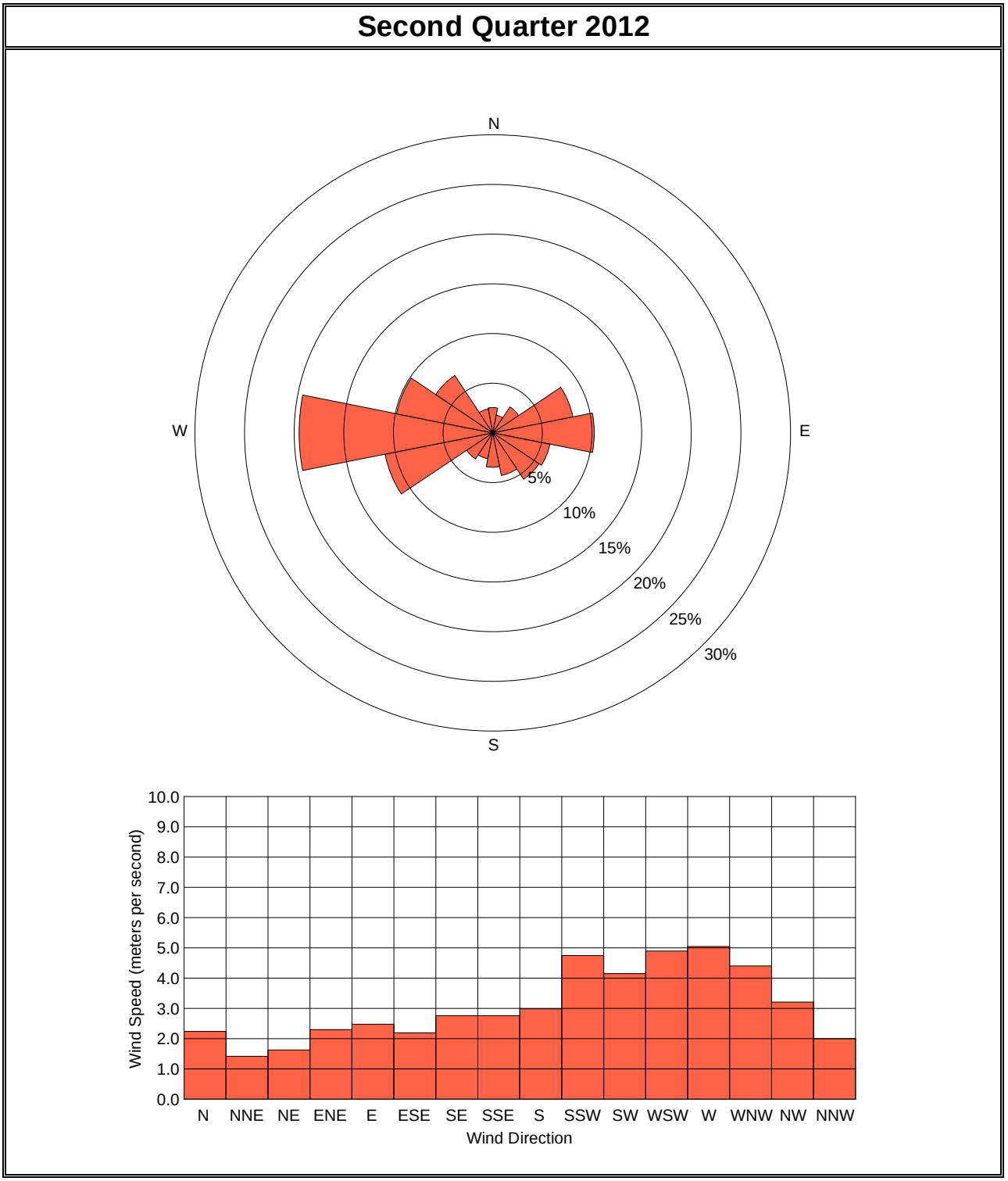


Figure 5. Quarterly Wind Rose, Black Butte Mine Met Tower



APPENDIX A: HOURLY METEOROLOGICAL DATA, SECOND QUARTER 2012

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Wind Speed (meters per second)
April 2012

Day	<< Hour >> 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1																											
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											
13																											
14																											
15																											
16																											
17																											
18																											
19																											
20																											
21																											
22																											
23																											
24																											
25																											
26																											
27																											
28																											
29																											
30																				Ca	2.2	2.1	2.6	1.7	2.1	2.6	1.7
Avg																					2.2	2.1	2.6	1.7	2.1	2.6	1.7
Max																					2.2	2.1	2.6	1.7	2.1	2.6	1.7
Min																					2.2	2.1	2.6	1.7	2.1	2.6	1.7

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Wind Speed (meters per second)
May 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.8	3.0	2.5	2.3	2.9	2.9	3.7	5.1	5.4	4.7	8.4	9.6	12.3	11.9	11.1	9.6	9.2	8.8	7.1	5.5	2.6	1.3	1.9	1.1	5.6	12.3	1.1
2	1.8	1.9	1.7	1.5	2.0	2.2	1.6	1.4	4.8	5.1	6.0	5.0	4.3	5.9	6.4	7.8	6.2	5.2	6.2	4.5	2.3	2.0	2.1	1.5	3.7	7.8	1.4
3	1.8	1.6	1.8	1.7	1.3	1.2	1.6	1.4	5.0	5.9	6.0	6.0	5.7	3.6	2.8	4.9	4.1	2.0	1.9	2.7	2.3	2.7	2.5	2.1	3.0	6.0	1.2
4	1.6	0.9	1.0	0.8	0.8	1.0	0.7	1.0	3.2	4.6	4.9	4.5	3.1	3.6	3.2	2.6	1.9	3.3	6.4	4.3	2.9	2.8	1.2	3.0	2.6	6.4	0.7
5	3.5	2.9	4.2	4.5	3.4	3.4	5.0	4.4	5.4	6.1	6.9	8.4	7.9	8.3	7.6	9.0	9.7	7.8	9.2	7.3	6.5	6.8	4.1	3.6	6.1	9.7	2.9
6	5.5	3.9	2.2	1.8	1.2	2.3	1.9	5.2	7.1	6.0	5.4	6.4	6.4	5.5	5.9	5.9	4.7	4.9	3.8	1.9	1.8	2.9	1.7	1.0	4.0	7.1	1.0
7	0.9	0.9	1.0	0.9	0.5	0.6	0.9	0.6	1.1	2.7	2.2	2.5	3.6	3.1	3.7	3.7	4.1	3.9	3.6	2.3	2.3	2.1	2.8	2.4	2.2	4.1	0.5
8	1.8	1.6	1.7	2.0	2.3	1.0	1.0	0.6	0.8	2.0	4.5	3.6	4.3	5.8	5.8	5.6	5.0	4.3	2.6	1.6	4.6	4.7	3.6	2.2	3.0	5.8	0.6
9	2.0	1.2	1.2	1.5	1.7	1.8	1.2	0.8	1.7	5.7	6.2	6.6	6.5	6.8	7.8	6.3	6.2	5.4	5.1	5.1	5.5	3.3	1.6	2.1	3.9	7.8	0.8
10	2.3	4.8	3.6	6.3	4.4	2.1	1.3	2.3	0.9	3.7	3.2	7.3	7.7	9.0	9.9	9.3	9.0	8.0	6.2	4.0	2.3	2.2	2.0	1.6	4.7	9.9	0.9
11	1.7	1.5	1.6	2.1	1.6	1.5	1.2	0.7	2.3	2.8	2.7	3.4	3.4	3.3	3.0	3.4	3.9	3.9	3.0	1.6	4.7	4.2	3.3	2.4	2.6	4.7	0.7
12	1.9	1.3	1.2	1.6	1.1	1.4	0.7	0.7	1.0	1.4	2.7	4.0	2.8	3.3	3.3	2.6	2.8	2.8	1.5	1.4	3.3	4.3	3.5	3.1	2.2	4.3	0.7
13	2.2	1.4	1.4	1.4	1.1	1.2	1.2	0.7	2.5	3.8	3.5	3.6	3.6	3.9	3.9	4.5	4.1	4.3	3.2	1.6	4.3	4.0	4.1	3.5	2.9	4.5	0.7
14	1.6	1.1	1.5	1.3	0.8	1.2	0.8	0.7	0.9	2.2	3.5	4.2	4.4	4.3	4.0	3.6	3.4	2.8	2.6	4.8	4.7	3.2	2.4	3.2	2.6	4.8	0.7
15	3.6	2.9	3.9	3.3	2.3	1.5	1.3	2.8	5.8	5.2	3.8	3.3	2.7	2.4	3.3	4.2	2.6	3.0	2.6	1.3	1.4	1.5	2.5	3.6	2.9	5.8	1.3
16	3.1	2.2	1.8	1.4	1.4	0.9	1.2	0.8	1.7	6.1	5.1	3.1	5.4	6.9	5.8	4.8	4.0	2.4	2.4	4.3	2.9	2.7	3.8	2.7	3.2	6.9	0.8
17	1.9	2.3	2.1	3.5	2.8	2.7	1.1	1.1	1.8	2.9	3.0	2.1	2.8	5.3	2.7	5.0	1.6	1.9	1.3	2.2	1.5	2.2	1.3	0.9	2.3	5.3	0.9
18	0.9	0.9	1.4	2.8	2.3	3.7	3.1	2.7	3.8	3.9	5.2	4.5	4.5	4.6	5.0	6.9	6.5	4.5	4.2	2.8	1.9	2.9	2.8	2.3	3.5	6.9	0.9
19	1.5	0.7	0.9	1.3	1.1	0.8	0.5	0.7	2.0	3.2	2.4	3.5	3.9	3.1	3.3	4.9	6.3	2.5	3.9	2.1	2.1	2.3	1.7	1.8	2.4	6.3	0.5
20	1.5	1.4	1.7	1.9	1.6	1.6	0.9	0.8	2.5	3.6	3.8	4.1	3.3	4.7	4.2	3.9	3.7	1.5	1.6	3.0	3.3	2.4	2.9	1.1	2.5	4.7	0.8
21	0.7	1.5	2.5	2.7	2.1	1.7	2.2	1.5	3.7	4.9	3.8	5.6	4.4	4.9	6.1	5.4	2.2	0.9	2.7	2.0	3.1	2.8	3.2	2.2	3.0	6.1	0.7
22	3.0	4.3	2.7	3.7	4.5	1.8	2.7	4.3	5.6	5.9	5.2	7.6	5.3	6.1	6.7	6.3	7.7	8.2	6.3	5.7	4.7	6.2	7.1	5.8	5.3	8.2	1.8
23	5.7	4.0	4.8	4.4	3.4	5.4	5.2	5.9	7.0	8.0	8.1	7.3	3.8	7.3	8.0	8.0	7.8	6.5	4.5	5.1	4.8	2.1	0.9	2.2	5.4	8.1	0.9
24	2.4	3.3	2.7	2.0	0.9	0.7	1.8	3.4	4.2	5.2	4.9	6.0	5.4	5.6	4.2	4.2	6.5	7.1	5.8	3.8	3.6	1.6	3.3	1.5	3.8	7.1	0.7
25	0.9	1.1	1.7	2.3	4.1	5.8	3.5	5.5	6.4	5.9	5.2	6.2	5.5	5.4	4.1	4.1	3.1	5.4	4.4	4.7	4.9	3.4	3.1	2.6	4.1	6.4	0.9
26	2.2	3.3	2.3	2.3	1.1	1.1	2.2	2.0	1.5	2.7	2.7	3.4	3.0	2.1	1.2	2.7	2.4	4.4	2.3	3.1	3.3	2.6	2.6	2.2	2.4	4.4	1.1
27	1.6	2.3	2.2	1.9	1.7	1.0	2.5	2.1	4.3	5.5	5.4	5.8	7.1	6.5	6.8	8.1	7.7	6.5	6.1	5.7	5.4	5.1	6.4	7.1	4.8	8.1	1.0
28	7.1	5.9	4.7	4.8	3.0	1.1	0.8	2.5	3.8	3.5	2.4	2.2	3.7	3.3	3.3	4.1	3.2	2.8	2.5	1.8	1.8	2.3	2.6	1.3	3.1	7.1	0.8
29	0.9	1.0	1.1	0.8	1.2	1.1	1.2	0.8	2.7	3.8	5.0	6.0	7.4	6.6	1.8	1.9	3.6	3.8	2.2	1.0	1.8	5.5	4.8	4.5	2.9	7.4	0.8
30	3.5	3.5	1.7	2.4	2.0	1.6	2.9	5.2	5.9	5.2	6.2	6.7	7.0	6.5	6.9	6.5	6.2	6.4	5.3	4.6	3.6	1.2	0.9	2.2	4.3	7.0	0.9
31	2.0	1.7	1.5	1.3	1.2	0.7	0.8	1.0	3.9	5.2	5.0	5.8	3.6	3.2	1.8	4.2	4.5	3.8	5.1	5.9	3.6	2.0	1.3	1.7	2.9	5.9	0.7
Avg	2.4	2.3	2.1	2.3	2.0	1.8	1.8	2.2	3.5	4.4	4.6	5.1	5.0	5.3	5.0	5.3	5.0	4.5	4.1	3.5	3.3	3.1	2.8	2.5	3.5	6.7	0.9
Max	7.1	5.9	4.8	6.3	4.5	5.8	5.2	5.9	7.1	8.0	8.4	9.6	12.3	11.9	11.1	9.6	9.7	8.8	9.2	7.3	6.5	6.8	7.1	7.1	6.1	12.3	2.9
Min	0.7	0.7	0.9	0.8	0.5	0.6	0.5	0.6	0.8	1.4	2.2	2.1	2.7	2.1	1.2	1.9	1.6	0.9	1.3	1.0	1.4	1.2	0.9	0.9	2.2	4.1	0.5

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Wind Speed (meters per second)
June 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.5	2.0	1.2	1.8	1.1	1.5	0.8	1.3	4.1	3.6	6.4	4.7	5.7	3.7	4.0	7.3	6.1	5.5	3.3	1.9	2.2	2.3	2.6	1.8	3.2	7.3	0.8
2	1.6	1.6	2.0	1.2	1.7	1.3	1.4	0.9	2.0	3.6	5.3	5.3	4.5	5.0	6.5	7.1	4.8	3.3	4.8	4.1	3.9	3.1	2.8	2.5	3.3	7.1	0.9
3	2.1	1.8	1.8	2.8	1.8	1.4	1.2	1.0	0.8	2.2	2.8	1.9	3.1	3.0	3.6	1.8	3.1	3.0	3.1	1.8	1.1	2.5	1.7	1.3	2.1	3.6	0.8
4	1.0	0.9	0.8	1.1	0.9	0.7	1.3	1.6	2.6	1.7	1.6	1.8	5.5	9.4	8.0	9.4	11.0	10.6	10.3	8.4	9.2	6.0	4.6	8.2	4.9	11.0	0.7
5	10.0	7.9	5.8	6.9	5.4	4.9	2.1	1.5	1.3	2.3	4.6	4.8	6.2	5.7	4.2	12.0	3.7	1.9	3.2	3.8	5.6	6.4	2.4	1.7	4.8	12.0	1.3
6	3.1	4.4	4.8	3.4	5.4	2.4	2.2	4.8	4.6	3.0	4.3	2.5	5.4	7.6	6.1	5.7	7.2	6.1	6.4	5.6	2.5	0.9	1.7	2.1	4.3	7.6	0.9
7	2.3	2.6	2.5	1.7	0.9	0.8	1.1	1.8	4.9	5.7	6.3	5.6	5.2	4.9	3.9	4.2	4.2	3.1	1.3	1.3	2.3	1.1	0.8	1.0	2.9	6.3	0.8
8	1.7	2.0	1.1	1.7	1.8	1.2	1.4	1.6	1.5	5.2	4.6	4.5	6.3	4.0	3.8	5.2	4.6	6.9	3.7	4.9	3.8	4.0	2.8	1.2	3.3	6.9	1.1
9	0.9	0.8	0.8	0.8	0.9	1.2	1.6	1.3	2.5	4.2	5.3	6.2	6.2	5.7	6.3	7.0	6.2	6.0	6.9	5.7	4.7	3.3	4.1	6.1	3.9	7.0	0.8
10	6.0	5.9	4.7	5.1	5.0	4.1	4.9	6.0	5.2	6.1	5.8	7.0	4.7	3.1	2.8	5.9	5.3	5.5	6.3	6.0	4.8	1.8	2.5	2.1	4.9	7.0	1.8
11	1.1	1.1	1.3	2.5	2.5	2.6	2.3	1.4	3.0	3.6	2.6	3.6	5.0	5.0	4.7	5.2	4.0	2.9	1.8	0.9	3.2	3.8	3.8	3.4	3.0	5.2	0.9
12	2.4	2.2	1.6	2.0	1.7	1.6	0.7	0.6	1.8	4.2	4.4	4.0	4.5	4.1	4.0	2.3	2.7	3.8	6.6	3.1	2.4	2.4	2.4	2.3	2.8	6.6	0.6
13	2.0	1.5	2.0	4.9	2.1	2.8	3.8	6.4	7.5	7.7	7.1	7.2	7.1	5.8	8.7	7.5	7.2	7.4	9.5	7.5	4.8	6.6	4.8	3.9	5.7	9.5	1.5
14	2.5	2.5	3.1	2.6	2.0	1.6	1.4	2.8	3.9	4.2	4.1	4.9	4.8	4.6	4.5	4.4	2.3	1.3	1.4	0.8	1.7	3.9	3.8	2.6	3.0	4.9	0.8
15	1.7	0.9	1.1	1.8	1.6	1.7	1.0	1.3	3.2	5.0	6.3	7.1	4.7	5.5	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	3.1	7.1	0.9
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
18	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
19	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
20	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
21	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	3.0	2.0	2.3	2.2	2.4	1.6	2.3	3.0	1.6
26	1.2	0.9	1.2	1.1	0.9	0.9	0.9	0.8	3.2	7.1	12.8	13.9	13.1	11.1	10.5	9.6	9.6	9.6	9.8	7.4	5.3	7.7	8.3	5.9	6.4	13.9	0.8
27	7.8	5.0	4.6	3.6	7.2	7.1	5.2	4.8	7.8	7.3	8.3	8.8	8.2	7.2	7.3	6.8	6.8	5.4	4.4	3.2	1.8	2.7	2.4	2.1	5.7	8.8	1.8
28	2.2	1.9	0.9	0.9	1.6	1.0	1.2	0.9	1.4	1.8	1.7	3.5	4.6	3.3	3.0	2.6	2.7	1.4	2.1	3.6	2.5	4.1	3.5	1.9	2.3	4.6	0.9
29	2.0	1.8	1.0	1.6	0.7	1.3	1.1	0.7	2.6	5.5	5.8	7.9	6.8	5.4	5.4	4.8	6.5	7.3	3.2	3.0	1.6	2.0	2.7	2.4	3.5	7.9	0.7
30	1.2	1.1	0.9	1.2	1.3	0.6	0.8	0.8	1.2	2.8	2.5	3.6	3.8	3.3	2.2	4.1	2.1	1.7	1.7	1.5	4.3	1.6	1.5	1.2	2.0	4.3	0.6
Avg	2.7	2.4	2.2	2.4	2.3	2.0	1.8	2.1	3.3	4.3	5.1	5.4	5.8	5.4	5.2	5.9	5.3	4.9	4.6	3.8	3.5	3.4	3.1	2.8	3.7	7.2	1.0
Max	10.0	7.9	5.8	6.9	7.2	7.1	5.2	6.4	7.8	7.7	12.8	13.9	13.1	11.1	10.5	12.0	11.0	10.6	10.3	8.4	9.2	7.7	8.3	8.2	6.4	13.9	1.8
Min	0.9	0.8	0.8	0.8	0.7	0.6	0.7	0.6	0.8	1.7	1.6	1.8	3.1	3.0	2.2	1.8	2.1	1.3	1.3	0.8	1.1	0.9	0.8	1.0	2.0	3.0	0.6

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Wind Direction (degrees)
April 2012

Day	<< Hour >>																								Prev
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																				Ca	101	75	98	76	87
Prev																					101	75	98	76	87

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Wind Direction (degrees)
May 2012

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	9	259	70	271	273	309	270	250	259	255	256	247	258	261	250	266	272	271	271	277	220	156	57	305	267
2	285	134	100	134	97	81	76	42	289	264	262	276	258	252	248	278	257	262	267	265	247	122	103	64	247
3	62	85	66	136	113	169	143	136	134	141	130	129	133	198	108	123	142	104	65	79	70	68	98	102	113
4	104	124	169	98	126	75	131	117	279	275	261	270	281	246	292	321	59	187	91	116	317	303	270	263	222
5	257	267	258	263	276	271	259	266	255	285	273	251	252	262	263	261	266	264	274	268	267	275	276	273	266
6	283	311	321	315	67	286	343	304	300	291	285	305	316	323	317	311	320	295	282	289	118	73	56	84	318
7	62	107	113	174	171	346	138	44	316	247	304	269	280	257	253	242	260	262	279	27	91	81	79	84	269
8	82	80	90	98	100	98	150	238	98	171	237	255	264	262	267	251	257	256	257	168	79	71	79	52	156
9	106	66	150	111	54	57	77	145	100	209	209	223	211	228	222	221	276	281	301	305	310	319	330	66	213
10	76	305	311	298	312	294	273	237	192	255	267	261	268	277	281	275	279	278	291	300	305	58	122	86	283
11	99	120	67	87	112	143	153	69	309	263	265	263	275	258	258	283	249	250	264	190	86	72	78	90	182
12	119	82	82	128	142	135	186	20	348	324	306	274	279	262	236	203	281	288	251	250	96	78	64	74	218
13	99	105	96	100	49	71	338	14	306	257	268	287	259	265	267	273	255	249	239	229	78	79	64	68	315
14	39	360	9	72	48	81	275	327	342	285	262	244	246	258	268	281	298	339	28	66	66	80	103	77	352
15	82	99	94	92	115	133	144	129	150	149	149	157	184	170	257	229	237	229	194	143	104	64	62	73	139
16	83	37	30	87	101	56	168	314	309	254	263	285	270	273	250	229	199	163	117	149	100	75	70	97	123
17	47	69	130	131	79	79	216	254	261	322	318	342	326	328	71	72	150	91	185	232	206	302	250	20	22
18	167	145	309	281	300	297	313	319	294	303	314	298	310	295	296	4	10	356	326	325	20	87	82	79	325
19	138	188	116	159	145	148	7	335	112	181	246	250	287	266	243	276	312	315	26	57	56	92	58	82	131
20	27	68	112	109	112	123	196	327	153	180	207	229	239	254	245	224	228	175	91	73	58	71	93	161	149
21	245	54	85	84	92	71	103	121	150	164	171	198	179	301	297	74	102	327	292	276	100	93	58	113	108
22	244	238	168	269	298	258	260	279	249	245	258	275	271	271	275	266	267	271	272	292	269	274	272	269	265
23	267	294	275	296	280	260	257	263	259	255	250	269	312	267	270	280	271	294	318	270	261	264	270	67	275
24	75	82	79	107	96	55	320	293	285	290	303	280	270	283	247	339	8	7	4	352	348	351	52	28	351
25	349	355	308	82	72	72	80	93	97	96	79	90	91	88	118	164	140	164	159	156	153	157	152	157	110
26	159	73	120	197	159	243	180	174	181	171	176	172	174	120	217	314	358	94	262	301	326	336	315	312	196
27	317	312	311	283	286	253	309	294	272	271	277	287	278	287	293	289	291	282	278	282	275	275	291	289	287
28	289	269	273	276	298	188	104	297	277	272	302	289	298	281	281	306	272	286	295	219	96	95	98	101	280
29	77	81	140	121	107	141	153	104	128	167	187	196	208	318	6	319	285	305	320	1	305	292	282	269	210
30	268	254	344	61	63	52	330	296	278	290	290	292	291	293	279	258	276	275	281	276	268	113	328	112	296
31	75	84	66	64	114	48	165	44	281	255	258	261	296	283	24	285	259	281	271	270	258	265	154	124	281
Prev	69	74	80	114	95	91	187	316	263	247	258	259	264	268	267	273	271	274	283	273	38	62	63	77	271

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Wind Direction (degrees)
June 2012

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	111	81	57	77	17	76	343	9	286	269	245	250	249	254	269	257	268	279	309	279	87	77	87	97	323
2	148	35	116	125	104	69	143	114	137	138	184	192	212	218	202	294	296	269	280	267	264	273	220	69	185
3	147	124	81	82	49	98	127	8	84	270	260	288	277	267	271	305	203	231	321	285	156	75	28	45	4
4	10	1	20	92	82	10	307	322	166	112	180	77	150	140	129	133	127	123	127	118	115	152	151	117	110
5	129	125	171	161	147	143	138	118	358	319	278	296	265	266	307	272	327	32	230	336	232	270	287	128	246
6	214	261	266	238	232	263	209	251	230	195	173	121	205	227	245	229	227	230	211	188	143	101	121	103	210
7	82	73	75	86	45	104	131	132	202	189	208	192	176	192	166	161	175	192	188	136	83	142	60	116	140
8	129	112	149	182	118	92	128	325	323	205	242	230	228	255	264	290	330	319	313	312	300	292	326	310	272
9	122	191	347	260	137	279	171	334	243	264	248	264	266	253	235	247	261	251	250	249	242	222	239	254	246
10	251	243	247	251	259	254	260	244	256	265	267	277	286	303	316	279	268	271	276	288	300	300	305	316	274
11	1	79	59	79	73	68	71	7	294	288	266	259	261	253	283	269	262	287	272	134	99	84	77	81	356
12	91	91	51	73	89	134	158	294	337	215	255	271	270	264	239	284	245	257	253	101	91	119	98	36	188
13	47	47	216	268	184	235	266	257	249	243	248	258	298	270	292	291	287	289	274	281	286	284	280	301	272
14	307	63	85	67	81	68	38	284	273	255	259	274	259	265	249	243	228	20	356	204	129	80	68	111	318
15	107	18	358	88	54	112	148	46	274	273	281	276	287	303	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	350
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
18	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
19	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
20	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
21	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	169	133	106	131	51	136	123
26	162	119	131	76	73	141	355	350	153	176	193	202	191	254	269	262	263	274	277	275	279	281	275	256	233
27	257	253	287	267	238	242	259	255	289	256	239	249	255	247	248	252	253	252	276	281	101	51	92	67	258
28	61	124	27	15	57	75	157	14	78	100	338	263	282	296	308	305	311	271	261	34	51	90	94	75	25
29	120	99	74	127	90	57	42	16	327	263	264	264	277	299	301	293	320	322	300	260	283	56	91	87	341
30	59	84	29	120	147	57	41	7	336	255	308	228	242	239	277	306	336	7	34	44	79	70	81	255	15
Prev	108	90	63	107	96	95	134	338	275	238	247	250	250	257	263	269	269	278	271	260	122	91	72	83	252

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
April 2012

Day	<< Hour >> 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1																											
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											
13																											
14																											
15																											
16																											
17																											
18																											
19																											
20																											
21																											
22																											
23																											
24																											
25																											
26																											
27																											
28																											
29																											
30																				Ca	46	39	44	59	47	59	39
Avg																					46	39	44	59	47	59	39
Max																					46	39	44	59	47	59	39
Min																					46	39	44	59	47	59	39

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
May 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	96	14	64	34	22	40	17	12	13	25	15	13	16	13	11	16	13	13	13	10	71	76	92	27	31	96	10
2	80	43	46	52	28	39	50	64	19	17	19	22	29	22	26	20	24	12	12	14	78	55	58	45	36	80	12
3	44	44	51	20	50	19	27	85	12	13	13	15	13	15	69	18	15	33	15	33	81	40	18	17	32	85	12
4	29	44	50	63	76	76	63	93	24	26	25	28	68	47	34	65	69	52	25	81	68	39	74	20	52	93	20
5	22	19	16	10	19	15	10	15	13	18	21	15	13	18	21	16	15	12	10	11	10	10	10	12	15	22	10
6	11	13	13	37	67	54	21	17	13	15	18	15	17	18	18	22	17	31	10	68	28	12	31	40	25	68	10
7	41	64	83	64	86	47	46	76	58	37	53	62	40	41	41	33	26	24	11	74	32	37	19	12	46	86	11
8	23	23	24	20	24	34	40	85	89	87	20	39	31	18	22	22	18	15	19	83	16	8	11	28	33	89	8
9	35	53	63	40	27	31	51	71	97	21	22	20	19	21	19	29	17	15	11	8	10	12	36	37	32	97	8
10	43	35	18	16	13	19	51	28	56	11	14	11	12	21	11	12	12	11	13	11	28	59	20	26	23	59	11
11	31	36	29	31	32	16	17	72	48	29	38	27	34	41	48	36	27	26	17	87	25	8	13	22	33	87	8
12	28	32	31	24	64	42	69	60	40	50	61	27	38	45	48	49	29	30	29	86	19	7	23	26	40	86	7
13	25	27	33	49	38	60	76	71	63	22	30	34	30	36	31	25	34	19	11	74	13	12	15	22	35	76	11
14	32	43	70	37	63	65	94	53	51	61	26	21	19	24	29	32	28	25	29	11	7	11	37	11	37	94	7
15	15	15	12	22	21	26	28	28	10	14	25	26	45	57	48	29	53	21	26	21	45	75	37	19	30	75	10
16	17	35	43	55	29	46	74	49	91	11	18	40	29	19	18	18	10	15	44	40	25	41	24	37	35	91	10
17	65	62	75	65	30	13	93	63	62	34	27	24	21	13	42	11	31	24	68	79	99	20	37	76	47	99	11
18	73	66	33	20	16	11	8	7	24	26	20	30	34	28	18	23	12	18	13	25	68	30	22	37	28	73	7
19	15	72	58	24	34	60	79	52	87	37	48	39	31	32	41	44	17	47	15	51	55	21	38	25	43	87	15
20	40	37	19	17	30	18	80	70	34	18	40	33	32	30	33	26	19	28	34	33	25	25	31	65	34	80	17
21	99	27	17	18	28	31	33	28	14	14	23	17	30	66	87	10	82	50	44	57	24	68	67	71	42	99	10
22	31	28	86	87	31	19	34	23	16	13	29	14	15	13	11	17	12	10	12	12	14	12	17	12	24	87	10
23	18	24	21	23	14	13	11	19	16	15	13	33	40	15	16	17	16	18	14	9	11	58	61	27	22	61	9
24	25	9	10	27	57	71	23	24	26	17	28	37	21	22	18	32	14	12	12	19	12	73	25	100	30	100	9
25	59	66	95	82	15	9	14	13	14	22	20	14	14	15	16	23	29	9	8	8	7	10	10	20	25	95	7
26	16	40	56	35	37	36	10	12	21	18	16	11	16	36	70	10	96	25	79	17	10	27	29	26	31	96	10
27	17	7	10	12	63	38	7	14	10	9	9	10	8	13	15	12	10	12	12	11	9	10	8	7	14	63	7
28	7	10	9	10	14	76	87	38	15	10	16	26	13	15	19	21	24	20	21	55	81	28	13	25	27	87	7
29	80	64	31	85	51	59	16	95	29	27	20	19	24	17	45	19	19	12	15	41	30	14	10	14	35	95	10
30	26	13	89	23	32	42	39	9	18	18	19	20	15	14	21	14	11	14	13	13	29	75	80	41	29	89	9
31	25	35	40	47	50	96	80	68	56	15	15	20	16	29	38	10	16	24	10	12	13	58	73	48	37	96	10
Avg	38	35	42	37	37	39	43	46	37	24	25	25	25	26	32	24	26	22	21	37	34	33	34	32	32	84	10
Max	99	72	95	87	86	96	94	95	97	87	61	62	68	66	87	65	96	52	79	87	99	76	92	100	52	100	20
Min	7	7	9	10	13	9	7	7	10	9	9	10	8	13	11	10	10	9	8	8	7	7	8	7	14	22	7

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
June 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	79	27	47	25	32	28	71	88	19	25	13	17	16	16	17	13	13	9	22	47	30	24	20	34	31	88	9
2	35	54	39	47	26	79	26	49	61	19	17	17	31	17	22	60	20	19	16	24	16	59	40	36	35	79	16
3	35	47	32	42	48	61	76	85	91	77	29	57	62	40	26	41	41	41	10	25	67	46	40	44	48	91	10
4	49	71	69	74	56	88	75	39	40	58	58	79	20	11	12	11	11	13	12	14	13	20	13	14	38	88	11
5	12	16	14	8	10	28	23	64	57	29	15	19	17	29	58	53	75	89	76	82	64	13	77	53	41	89	8
6	36	15	14	13	11	74	96	19	25	21	16	25	15	14	22	18	15	18	17	11	75	65	38	29	29	96	11
7	32	23	21	27	83	75	89	83	21	20	17	19	18	23	20	20	22	23	51	33	14	63	93	71	40	93	14
8	22	22	76	28	60	55	72	23	34	20	38	41	30	31	24	33	41	17	16	10	13	14	55	38	34	76	10
9	95	89	84	84	57	41	52	67	51	30	18	17	19	16	20	13	13	14	12	11	15	15	15	15	36	95	11
10	12	11	10	12	13	14	14	10	13	12	13	9	12	26	43	11	11	10	9	10	9	38	28	52	17	52	9
11	102	51	38	8	10	11	14	38	26	21	33	35	17	24	15	19	20	24	32	84	40	7	8	10	29	102	7
12	15	29	40	35	37	20	34	71	96	28	29	24	31	26	31	67	33	17	25	46	22	38	40	30	36	96	15
13	43	56	81	12	83	13	26	14	12	13	15	20	19	28	13	15	11	12	10	11	12	10	14	11	23	83	10
14	44	29	10	37	28	41	47	60	22	25	28	22	22	29	27	28	36	99	46	53	52	15	18	27	35	99	10
15	24	64	37	35	51	38	77	87	22	24	20	16	21	23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	39	87	16
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
18	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
19	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
20	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
21	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	12	11	13	98	47	83	44	98	11
26	51	96	55	84	59	73	99	51	34	19	14	14	14	25	13	14	13	13	9	9	11	9	9	12	33	99	9
27	9	13	16	17	9	10	17	20	14	15	14	16	16	13	14	20	20	18	16	13	51	35	37	41	19	51	9
28	28	20	67	37	48	50	41	39	74	62	43	33	21	34	31	24	16	37	12	58	63	33	15	62	40	74	12
29	40	34	80	38	82	52	95	57	60	17	18	16	21	18	15	16	14	13	22	65	81	63	21	42	41	95	13
30	66	50	61	25	49	57	76	83	51	26	32	41	30	50	56	23	33	37	45	40	18	74	47	86	48	86	18
Avg	41	41	45	34	43	45	56	52	41	28	24	27	23	25	25	26	24	28	24	33	34	37	34	40	35	87	11
Max	102	96	84	84	83	88	99	88	96	77	58	79	62	50	58	67	75	99	76	84	81	98	93	86	48	102	18
Min	9	11	10	8	9	10	14	10	12	12	13	9	12	11	12	11	11	9	9	9	9	7	8	10	17	51	7

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
April 2012

Day	<< Hour >> 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1																											
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											
13																											
14																											
15																											
16																											
17																											
18																											
19																											
20																											
21																											
22																											
23																											
24																											
25																											
26																											
27																											
28																											
29																											
30																				Ca	2.5	2.1	2.3	2.5	2.3	2.5	2.1
Avg																					2.5	2.1	2.3	2.5	2.3	2.5	2.1
Max																					2.5	2.1	2.3	2.5	2.3	2.5	2.1
Min																					2.5	2.1	2.3	2.5	2.3	2.5	2.1

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
May 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	2.7	3.1	2.3	2.6	2.2	2.2	2.2	2.4	2.3	2.4	3.9	4.6	5.0	5.1	5.6	5.6	5.7	5.7	5.0	3.9	1.8	-0.1	-0.2	-1.1	3.1	5.7	-1.1
2	-1.8	-2.3	-3.7	-5.0	-5.1	-6.1	-4.2	-0.3	1.8	2.5	3.0	3.6	4.3	5.7	5.8	5.0	2.8	2.5	3.0	1.9	-0.2	-2.0	-3.6	-4.0	0.2	5.8	-6.1
3	-5.1	-6.0	-5.8	-6.4	-6.2	-6.4	-3.7	1.4	5.5	6.6	7.3	7.3	7.9	6.3	6.6	7.5	6.7	5.7	5.7	4.8	3.7	3.3	2.2	0.9	2.1	7.9	-6.4
4	-0.3	-1.1	-2.0	-2.7	-2.8	-2.5	-1.6	2.7	5.7	6.7	7.7	8.8	9.3	10.7	11.3	12.2	12.0	11.4	8.5	7.8	4.6	4.3	4.0	3.6	4.9	12.2	-2.8
5	2.8	2.2	1.3	1.1	0.9	0.5	0.3	0.2	0.7	1.7	2.4	3.4	4.0	4.1	4.8	4.8	4.2	3.2	2.7	1.5	0.5	-0.6	-1.4	-1.4	1.8	4.8	-1.4
6	-1.0	-1.3	-1.4	-1.7	-2.0	-2.1	-1.9	0.1	0.5	0.3	1.2	2.4	3.1	3.9	4.8	5.4	5.6	6.3	6.0	4.0	1.1	-1.1	-2.3	-3.2	1.1	6.3	-3.2
7	-4.2	-5.3	-6.1	-6.6	-6.9	-7.0	-4.8	-0.3	3.9	5.8	7.2	8.6	9.5	10.6	11.3	11.9	12.4	12.4	11.9	9.5	5.6	3.0	1.6	0.7	3.5	12.4	-7.0
8	0.2	-0.2	-1.1	-2.0	-1.9	-2.5	-1.7	1.4	6.4	11.0	12.7	13.7	14.9	16.0	16.9	17.7	17.9	18.0	17.5	13.3	8.5	6.6	5.2	3.7	8.0	18.0	-2.5
9	2.4	1.3	0.8	0.0	0.5	0.0	1.0	6.9	13.6	16.6	17.6	18.3	18.9	20.1	20.8	21.1	20.9	20.1	18.3	16.5	14.9	13.2	11.1	7.8	11.8	21.1	0.0
10	6.9	7.8	5.6	2.9	0.5	0.2	0.0	0.2	0.0	0.9	1.1	2.2	3.5	4.5	4.9	5.3	5.4	5.0	4.4	3.1	1.5	-1.3	-3.6	-5.0	2.3	7.8	-5.0
11	-5.8	-6.6	-7.2	-7.5	-8.4	-8.7	-6.2	-2.2	1.0	2.3	3.7	5.0	6.3	7.4	8.5	9.2	9.9	10.1	9.8	6.8	2.0	0.5	-0.8	-2.4	1.1	10.1	-8.7
12	-3.8	-4.6	-4.7	-4.9	-6.1	-5.7	-3.5	0.9	7.0	9.2	10.8	11.6	12.4	13.4	13.9	14.5	14.6	14.7	14.5	10.8	5.9	3.8	2.3	0.9	5.3	14.7	-6.1
13	-1.3	-2.6	-3.0	-3.9	-4.3	-4.1	-1.2	3.9	10.6	12.5	13.7	14.9	16.3	17.6	18.6	19.3	19.8	19.9	19.1	15.6	9.6	6.8	5.7	3.8	8.6	19.9	-4.3
14	1.7	0.7	0.0	-1.1	-1.9	-1.7	0.7	6.1	12.4	15.8	16.7	17.5	18.3	18.9	19.5	19.9	20.2	19.9	19.2	16.2	13.6	11.7	10.5	12.5	11.1	20.2	-1.9
15	11.7	11.2	11.2	10.2	9.9	9.5	11.3	13.5	15.1	16.4	17.6	19.3	20.9	22.0	22.9	23.6	23.7	23.6	22.2	18.2	14.5	11.2	9.6	9.1	15.8	23.7	9.1
16	7.2	6.3	6.0	3.7	2.7	2.4	4.3	8.5	14.5	18.1	18.9	20.0	21.3	21.4	21.7	21.3	20.3	18.9	19.6	16.9	14.5	11.8	10.1	8.3	13.3	21.7	2.4
17	8.2	8.0	9.2	10.4	8.2	7.1	7.6	10.8	13.3	14.2	14.9	15.0	15.1	14.4	14.2	10.8	10.7	10.8	10.5	9.1	7.8	7.3	6.7	6.6	10.5	15.1	6.6
18	6.0	5.9	6.2	6.2	5.9	5.8	5.4	5.6	6.3	7.2	7.2	8.5	8.9	9.9	10.1	8.6	7.0	7.2	7.4	6.6	3.6	1.4	-0.2	-1.5	6.1	10.1	-1.5
19	-3.0	-3.8	-4.2	-4.9	-5.3	-5.4	-2.5	2.3	7.4	8.8	9.4	9.8	10.3	10.8	11.7	11.5	10.5	9.9	9.4	8.3	5.1	3.0	1.7	0.7	4.2	11.7	-5.4
20	-0.4	-0.7	-1.5	-2.0	-2.6	-2.6	0.0	5.2	10.0	11.9	12.7	13.3	14.1	15.1	15.5	15.8	16.2	16.0	14.8	12.7	12.3	11.4	10.4	9.5	8.6	16.2	-2.6
21	9.0	7.9	7.0	6.3	5.9	5.7	6.7	10.7	14.4	15.8	16.9	18.7	20.2	17.1	12.3	13.2	16.0	16.5	15.2	13.9	12.6	12.4	11.9	11.5	12.4	20.2	5.7
22	11.1	10.4	9.2	8.7	7.9	7.2	7.3	7.9	8.4	8.5	9.5	8.4	7.0	7.1	8.1	7.7	8.6	8.6	8.6	7.9	7.0	6.3	5.8	5.1	8.0	11.1	5.1
23	4.5	4.2	3.5	3.1	3.2	3.3	3.5	4.2	4.6	4.8	4.7	5.0	4.4	6.4	7.5	8.2	8.6	7.4	6.4	6.3	4.6	3.0	2.1	0.6	4.8	8.6	0.6
24	-1.1	-0.9	-0.5	-0.7	-0.8	-0.2	1.6	2.6	3.5	4.5	4.6	5.0	5.0	5.0	4.4	5.8	5.2	4.6	4.1	3.0	1.8	1.4	1.3	0.0	2.5	5.8	-1.1
25	-1.0	-0.4	-0.7	-1.1	0.2	0.6	1.1	1.7	1.4	2.2	2.4	2.6	2.8	3.0	2.5	2.0	1.8	0.8	0.5	0.4	0.1	0.4	0.3	0.4	1.0	3.0	-1.1
26	0.2	0.7	0.5	0.0	-0.5	-0.5	-0.1	-0.2	0.2	0.6	1.2	1.2	1.1	0.5	0.2	0.6	1.5	1.4	0.3	-0.1	0.0	0.4	0.3	-0.1	0.4	1.5	-0.5
27	-0.8	-1.1	-1.2	-1.3	-2.0	-2.2	-2.1	-1.6	-1.1	-0.7	-0.6	-0.5	-0.1	0.1	0.1	0.3	0.0	-0.4	-0.6	-0.8	-1.2	-1.2	-1.1	-1.1	-0.9	0.3	-2.2
28	-1.0	-1.2	-1.3	-1.3	-1.6	-2.3	-1.5	0.1	0.6	0.8	1.1	1.8	2.0	2.4	3.1	4.7	5.4	6.2	6.8	5.6	4.0	2.0	0.5	-0.4	1.5	6.8	-2.3
29	-0.8	-1.0	-1.8	-2.8	-2.2	-1.5	1.1	4.9	9.0	10.9	12.2	13.4	13.0	7.4	7.9	9.6	10.5	10.6	10.4	9.6	8.6	9.3	9.0	8.2	6.5	13.4	-2.8
30	6.8	6.1	4.8	3.3	3.2	4.1	6.4	7.5	7.9	8.5	9.4	10.0	9.9	9.9	9.6	9.3	9.7	10.3	10.2	9.7	8.5	7.3	4.8	3.1	7.5	10.3	3.1
31	1.5	0.0	-0.9	-1.8	-2.6	-2.4	0.0	4.9	9.2	10.1	10.7	11.4	11.5	11.5	11.0	11.3	11.1	11.0	11.1	10.9	9.4	8.6	8.1	7.8	6.8	11.5	-2.6
Avg	1.7	1.2	0.7	0.0	-0.4	-0.5	0.8	3.6	6.3	7.6	8.4	9.2	9.7	9.9	10.2	10.4	10.5	10.3	9.8	8.2	6.0	4.6	3.6	2.7	5.6	11.5	-1.5
Max	11.7	11.2	11.2	10.4	9.9	9.5	11.3	13.5	15.1	18.1	18.9	20.0	21.3	22.0	22.9	23.6	23.7	23.6	22.2	18.2	14.9	13.2	11.9	12.5	15.8	23.7	9.1
Min	-5.8	-6.6	-7.2	-7.5	-8.4	-8.7	-6.2	-2.2	-1.1	-0.7	-0.6	-0.5	-0.1	0.1	0.1	0.3	0.0	-0.4	-0.6	-0.8	-1.2	-2.0	-3.6	-5.0	-0.9	0.3	-8.7

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
June 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	7.5	6.9	5.9	5.6	4.8	4.4	5.6	9.0	10.9	11.7	12.8	12.8	13.1	13.5	14.4	15.2	15.4	15.3	15.0	13.1	9.7	7.6	6.3	4.8	10.1	15.4	4.4
2	4.1	3.5	3.4	3.0	3.5	4.0	6.1	11.3	14.6	14.5	16.6	17.7	19.2	19.5	20.0	14.6	11.7	11.0	11.0	10.9	9.9	8.6	7.6	6.6	10.5	20.0	3.0
3	4.4	2.9	1.5	0.8	0.2	0.0	1.7	5.7	8.8	10.3	11.4	12.8	14.4	15.4	16.6	17.2	18.9	19.4	18.5	17.0	13.3	10.7	9.9	8.8	10.0	19.4	0.0
4	6.9	6.2	6.1	5.2	4.7	5.2	8.9	13.2	16.0	18.1	20.1	21.6	23.5	24.0	24.9	24.3	24.4	24.1	22.7	21.5	20.8	19.7	18.4	21.1	16.7	24.9	4.7
5	21.0	20.9	18.8	18.7	17.4	17.4	17.0	17.4	20.2	22.3	22.3	22.1	21.6	21.9	20.8	14.2	12.1	12.2	11.9	11.3	10.7	8.2	7.7	7.0	16.5	22.3	7.0
6	6.4	5.1	3.1	2.5	1.8	1.8	2.7	3.6	4.0	4.1	5.2	5.9	7.7	8.7	9.3	9.7	10.2	10.5	10.3	8.8	7.1	4.9	2.6	1.4	5.7	10.5	1.4
7	0.5	-0.1	-0.6	-1.3	-2.2	-1.7	1.1	5.6	9.4	10.1	11.1	11.8	12.9	13.8	14.6	15.5	16.0	16.0	15.7	13.0	10.2	8.2	8.6	9.9	8.3	16.0	-2.2
8	9.9	10.4	10.1	9.0	8.2	7.9	9.7	11.5	13.3	15.1	15.3	16.0	16.6	16.0	14.9	13.1	12.4	10.3	8.3	7.8	6.8	6.3	5.5	4.4	10.8	16.6	4.4
9	3.2	2.8	2.4	1.8	1.0	0.8	1.4	3.7	5.0	6.2	6.9	7.3	7.5	8.1	8.7	8.9	8.8	8.3	7.7	6.5	5.2	3.8	3.8	3.5	5.1	8.9	0.8
10	2.6	1.9	1.0	1.2	1.6	2.0	2.7	2.5	1.1	1.6	2.0	2.0	1.7	1.1	2.5	4.2	4.6	4.8	5.0	4.9	4.5	4.6	4.6	4.6	2.9	5.0	1.0
11	4.6	4.1	4.0	3.6	3.7	3.7	4.6	5.6	7.1	8.0	8.8	10.2	11.4	12.4	13.0	13.5	14.1	14.2	14.0	12.9	9.1	6.6	5.1	4.1	8.3	14.2	3.6
12	2.8	2.1	1.5	1.4	0.5	0.5	3.7	8.5	13.0	14.9	15.3	15.8	16.4	17.0	17.4	15.6	17.1	17.7	14.5	11.3	9.5	8.1	7.7	7.6	10.0	17.7	0.5
13	7.6	7.1	7.4	8.0	7.2	7.4	8.1	9.3	10.1	11.1	11.5	11.8	8.8	9.8	11.7	12.8	12.6	12.5	12.6	11.3	10.1	8.8	7.9	6.6	9.7	12.8	6.6
14	5.7	4.2	2.4	1.1	0.2	0.7	4.0	7.9	9.2	10.1	10.8	12.0	12.9	13.7	14.4	14.7	14.9	15.6	15.5	14.8	10.2	7.9	6.9	4.4	8.9	15.6	0.2
15	3.4	2.8	2.8	3.0	2.0	1.9	4.2	7.8	11.0	11.9	13.2	14.0	14.3	15.1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	7.7	15.1	1.9
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
18	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
19	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
20	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
21	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	25.1	22.8	19.4	16.7	15.1	12.3	18.6	25.1	12.3
26	11.1	8.7	8.8	7.8	6.4	7.3	10.8	15.9	21.9	24.2	24.8	24.3	24.0	21.6	18.9	18.8	18.2	16.8	15.0	13.5	11.5	10.4	8.9	7.4	14.9	24.8	6.4
27	6.9	6.1	5.7	5.0	6.1	7.2	8.3	9.4	10.0	11.2	12.5	13.5	14.3	15.5	16.7	17.7	18.3	18.5	18.0	16.7	12.5	8.5	6.3	4.9	11.2	18.5	4.9
28	4.2	2.4	1.2	1.2	1.4	1.2	4.9	10.6	15.5	17.9	19.1	20.5	21.4	22.3	23.1	23.7	23.8	24.0	24.2	21.7	18.9	16.7	14.9	13.6	14.5	24.2	1.2
29	10.4	8.6	8.0	8.6	7.7	7.5	10.2	14.5	19.2	20.9	21.9	23.0	23.2	23.1	23.6	23.6	23.3	20.6	19.8	18.4	15.4	12.9	10.6	8.1	16.0	23.6	7.5
30	7.2	5.7	5.3	4.1	3.5	3.7	7.1	12.2	16.5	18.2	19.1	20.8	21.8	22.7	23.4	24.0	24.3	24.6	24.3	22.2	18.7	17.6	16.5	15.3	15.8	24.6	3.5
Avg	6.5	5.6	4.9	4.5	4.0	4.1	6.1	9.3	11.8	13.1	14.0	14.8	15.3	15.8	16.3	15.9	15.8	15.6	15.5	14.0	11.7	9.8	8.7	7.8	10.8	17.9	3.5
Max	21.0	20.9	18.8	18.7	17.4	17.4	17.0	17.4	21.9	24.2	24.8	24.3	24.0	24.0	24.9	24.3	24.4	24.6	25.1	22.8	20.8	19.7	18.4	21.1	18.6	25.1	12.3
Min	0.5	-0.1	-0.6	-1.3	-2.2	-1.7	1.1	2.5	1.1	1.6	2.0	2.0	1.7	1.1	2.5	4.2	4.6	4.8	5.0	4.9	4.5	3.8	2.6	1.4	2.9	5.0	-2.2

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
April 2012

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1																											
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											
13																											
14																											
15																											
16																											
17																											
18																											
19																											
20																											
21																											
22																											
23																											
24																											
25																											
26																											
27																											
28																											
29																											
30																				Ca	2.0	1.8	2.0	1.9	1.9	2.0	1.8
Avg																					2.0	1.8	2.0	1.9	1.9	2.0	1.8
Max																					2.0	1.8	2.0	1.9	1.9	2.0	1.8
Min																					2.0	1.8	2.0	1.9	1.9	2.0	1.8

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
May 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	2.3	2.5	1.7	2.1	1.7	2.0	2.1	2.7	2.7	2.7	4.4	5.5	6.0	6.1	6.7	6.5	6.6	6.2	5.1	3.4	0.5	-1.2	-0.9	-1.7	3.2	6.7	-1.7
2	-2.9	-3.2	-4.7	-5.8	-5.6	-6.5	-4.0	0.0	2.6	3.4	4.2	4.8	5.4	6.8	6.5	5.9	3.2	3.0	3.2	1.3	-1.3	-3.4	-4.5	-4.6	0.2	6.8	-6.5
3	-5.8	-6.8	-6.4	-7.2	-7.1	-7.3	-4.1	1.7	5.9	7.4	7.9	7.7	8.3	6.5	6.9	7.7	6.7	5.8	5.6	4.5	3.1	2.9	1.9	0.7	1.9	8.3	-7.3
4	-0.7	-2.1	-3.1	-3.4	-3.4	-3.1	-1.6	3.0	6.2	7.6	8.6	9.8	10.1	11.7	12.1	12.9	12.3	11.6	8.6	7.7	4.6	4.3	3.9	3.6	5.0	12.9	-3.4
5	2.9	2.3	1.3	1.1	0.9	0.5	0.3	0.5	1.2	2.6	3.1	4.7	5.1	4.9	5.8	5.9	4.8	3.5	2.8	1.4	0.3	-0.6	-1.4	-1.3	2.2	5.9	-1.4
6	-1.0	-1.5	-1.7	-2.0	-2.3	-2.9	-1.8	0.4	0.9	0.9	1.7	3.3	3.9	4.7	5.6	6.1	6.1	7.0	6.2	3.2	0.5	-1.6	-2.9	-4.6	1.2	7.0	-4.6
7	-5.6	-6.3	-7.1	-7.6	-7.7	-7.6	-4.9	0.0	4.2	6.5	8.0	9.4	10.6	11.5	12.3	12.7	13.2	13.0	12.1	8.3	5.0	2.4	1.2	0.0	3.5	13.2	-7.7
8	-0.7	-1.2	-2.4	-3.5	-2.8	-3.2	-2.1	1.6	6.7	11.6	13.7	14.7	15.9	17.2	18.0	18.6	18.7	18.5	17.4	12.2	8.2	6.3	4.9	3.0	8.0	18.7	-3.5
9	1.2	0.3	-0.4	-1.0	-0.3	-0.8	0.6	7.3	14.1	17.4	18.6	19.2	19.9	21.2	21.6	21.8	21.7	20.3	17.7	15.9	14.4	11.6	10.2	6.7	11.6	21.8	-1.0
10	5.8	7.2	5.4	2.8	0.4	0.2	0.0	0.1	0.0	0.7	1.0	2.2	3.9	5.3	5.7	6.1	6.2	5.6	4.6	2.4	0.4	-1.9	-4.3	-5.6	2.3	7.2	-5.6
11	-6.5	-7.5	-8.0	-8.2	-9.5	-9.7	-6.0	-1.8	1.6	3.1	4.5	5.9	7.2	8.4	9.3	10.0	10.7	10.7	9.9	5.7	1.6	0.2	-1.2	-3.6	1.1	10.7	-9.7
12	-5.9	-6.1	-6.0	-6.4	-7.2	-6.9	-3.5	1.3	7.4	9.7	11.5	12.7	13.2	14.4	14.7	15.2	15.3	15.2	14.6	9.7	5.7	3.4	1.8	0.2	5.2	15.3	-7.2
13	-2.7	-4.0	-4.4	-5.2	-5.3	-5.3	-1.0	4.3	11.2	13.4	14.6	15.8	17.3	18.5	19.5	20.2	20.5	20.2	18.6	13.9	8.9	6.3	5.2	3.0	8.5	20.5	-5.3
14	0.0	-0.4	-1.1	-2.4	-3.2	-2.6	0.8	6.5	12.8	16.4	17.6	18.6	19.4	20.0	20.5	20.6	20.9	20.3	19.3	15.7	12.7	11.0	8.8	11.3	11.0	20.9	-3.2
15	10.7	10.2	10.4	9.1	8.7	8.7	11.3	13.9	16.0	17.5	18.5	20.2	21.8	22.8	23.8	24.4	24.2	23.8	21.1	17.2	13.1	9.6	8.5	8.2	15.6	24.4	8.2
16	6.1	5.2	5.0	2.2	1.1	1.5	3.9	8.9	14.9	19.0	19.9	20.8	22.4	22.4	22.4	21.5	20.2	18.5	19.6	16.4	14.0	10.8	9.6	7.8	13.1	22.4	1.1
17	7.8	7.8	8.5	9.7	7.9	7.0	7.8	11.1	13.8	15.0	15.7	15.5	15.6	14.7	14.5	11.0	10.9	10.9	10.5	9.1	7.9	7.2	6.7	6.6	10.5	15.7	6.6
18	5.8	6.0	6.2	6.1	5.7	5.7	5.5	5.8	6.7	7.8	8.0	9.4	9.5	10.8	10.7	9.3	7.4	7.6	7.7	6.0	2.6	1.0	-0.4	-2.0	6.2	10.8	-2.0
19	-4.3	-4.8	-5.3	-6.2	-6.5	-5.7	-2.1	2.6	8.0	9.6	10.1	10.6	11.0	11.4	12.1	12.1	11.0	10.1	9.7	7.8	4.3	2.4	1.1	-0.1	4.1	12.1	-6.5
20	-1.2	-1.7	-2.9	-3.6	-4.1	-3.6	0.1	5.6	10.6	12.7	13.4	14.0	14.8	16.1	16.2	16.2	16.7	16.1	14.3	12.5	12.0	11.1	10.2	9.3	8.5	16.7	-4.1
21	8.7	7.5	6.9	6.2	5.7	5.6	6.9	11.0	15.0	16.4	17.6	19.5	21.2	17.1	12.1	13.7	16.3	16.5	14.9	13.4	12.5	12.2	11.5	11.2	12.5	21.2	5.6
22	10.8	10.3	9.1	8.5	7.8	7.1	7.4	8.2	8.8	9.1	10.2	8.6	7.3	7.0	8.6	8.0	8.9	8.6	8.7	7.7	6.4	5.9	5.5	4.9	8.1	10.8	4.9
23	4.2	4.0	3.1	2.5	2.7	3.2	3.7	4.6	5.3	5.6	5.4	5.6	4.7	7.0	8.4	9.2	9.4	7.5	6.4	6.1	4.1	2.5	1.3	-1.1	4.8	9.4	-1.1
24	-1.7	-1.1	-0.7	-0.7	-0.9	-0.1	1.8	3.0	4.2	5.4	5.2	6.0	5.9	5.6	4.8	6.3	5.6	4.9	4.2	2.8	1.4	1.0	0.9	-0.4	2.6	6.3	-1.7
25	-1.6	-1.3	-1.4	-1.6	0.1	0.7	1.4	2.0	1.7	2.6	2.9	2.9	3.1	3.3	2.9	2.6	2.2	1.1	0.7	0.6	0.2	0.4	0.4	0.5	1.1	3.3	-1.6
26	0.3	0.7	0.5	0.0	-0.4	-0.4	0.1	0.0	0.4	1.0	1.7	1.7	1.5	0.6	0.3	0.7	1.6	1.5	0.4	0.0	0.0	0.4	0.3	-0.1	0.5	1.7	-0.4
27	-0.7	-1.0	-1.1	-1.4	-2.0	-2.1	-2.0	-1.5	-1.0	-0.5	-0.2	-0.2	0.2	0.6	0.5	0.9	0.4	0.0	-0.4	-0.7	-1.1	-1.1	-1.1	-1.0	-0.7	0.9	-2.1
28	-1.0	-1.2	-1.2	-1.3	-2.0	-2.5	-1.4	0.3	0.8	1.0	1.4	2.1	2.3	2.7	3.6	5.6	6.2	6.9	7.3	5.6	3.6	1.6	0.3	-0.7	1.7	7.3	-2.5
29	-1.1	-1.5	-2.0	-3.0	-2.6	-1.5	1.2	5.2	9.2	11.7	13.1	14.6	13.4	7.6	8.3	10.0	10.8	10.9	10.3	9.2	8.1	8.8	8.5	7.6	6.5	14.6	-3.0
30	5.2	5.2	4.2	2.3	1.9	3.5	6.7	7.9	8.6	9.5	10.5	11.1	10.7	10.4	10.1	9.9	10.1	10.8	10.4	9.5	8.1	6.6	3.8	2.2	7.5	11.1	1.9
31	0.8	-0.6	-1.9	-2.3	-3.5	-2.7	0.2	5.3	9.8	11.0	11.5	12.2	11.9	11.8	11.1	11.1	10.9	10.7	10.7	10.5	9.0	8.4	7.9	7.6	6.7	12.2	-3.5
Avg	0.9	0.5	0.0	-0.7	-1.0	-0.9	0.9	3.9	6.8	8.3	9.2	10.0	10.4	10.6	10.8	11.1	11.0	10.6	9.7	7.7	5.5	4.1	3.2	2.2	5.6	12.2	-2.2
Max	10.8	10.3	10.4	9.7	8.7	8.7	11.3	13.9	16.0	19.0	19.9	20.8	22.4	22.8	23.8	24.4	24.2	23.8	21.1	17.2	14.4	12.2	11.5	11.3	15.6	24.4	8.2
Min	-6.5	-7.5	-8.0	-8.2	-9.5	-9.7	-6.0	-1.8	-1.0	-0.5	-0.2	-0.2	0.2	0.6	0.3	0.7	0.4	0.0	-0.4	-0.7	-1.3	-3.4	-4.5	-5.6	-0.7	0.9	-9.7

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
June 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	7.0	6.5	5.5	5.4	4.5	4.4	5.8	9.3	11.5	12.1	13.6	13.3	13.6	13.8	14.8	15.7	15.8	15.5	14.9	12.0	9.2	7.1	5.6	4.3	10.0	15.8	4.3
2	3.1	2.7	2.2	1.7	2.4	3.7	6.1	11.5	14.6	14.7	17.1	18.2	20.1	20.0	20.5	14.5	11.6	11.1	10.9	10.6	9.3	7.8	6.8	5.6	10.3	20.5	1.7
3	3.6	2.3	1.0	0.7	-0.2	-0.1	1.9	6.0	9.1	10.8	12.0	13.3	15.1	16.1	17.4	17.7	19.4	19.9	18.6	16.2	12.4	9.7	9.1	8.0	10.0	19.9	-0.2
4	6.1	5.1	4.8	4.1	3.4	4.5	8.7	13.4	16.3	18.3	20.5	22.1	24.5	24.9	25.5	24.8	24.7	24.2	22.8	21.5	20.8	19.1	17.6	21.0	16.6	25.5	3.4
5	20.8	20.7	18.0	18.0	16.7	16.9	16.7	17.4	20.6	22.8	23.2	23.0	22.7	22.7	20.9	14.1	11.9	12.1	11.5	11.2	10.5	8.1	7.6	7.0	16.5	23.2	7.0
6	6.5	5.1	3.1	2.5	1.9	1.9	2.8	3.8	4.3	4.4	5.6	6.2	8.2	9.0	9.6	9.9	10.6	11.0	10.5	8.5	6.3	4.2	1.9	1.2	5.8	11.0	1.2
7	0.2	-0.2	-0.9	-1.8	-2.7	-1.6	1.4	6.0	10.0	11.0	12.0	12.8	13.9	14.7	15.4	16.3	16.6	16.2	15.6	12.3	9.5	7.1	7.6	9.2	8.4	16.6	-2.7
8	9.3	10.2	9.5	7.9	7.2	7.6	9.8	11.8	13.7	15.9	16.0	16.6	17.5	16.2	14.7	13.2	12.5	10.2	8.4	7.7	6.8	6.3	5.4	4.2	10.8	17.5	4.2
9	2.9	2.7	2.5	1.9	1.2	1.0	1.8	4.1	5.6	6.8	7.7	8.4	8.4	9.2	9.8	9.7	9.3	8.4	7.8	6.4	4.7	2.5	3.2	3.5	5.4	9.8	1.0
10	2.6	1.9	0.9	1.1	1.5	1.9	2.7	2.6	1.1	1.7	2.2	2.3	2.0	1.3	2.8	4.4	4.8	4.9	5.0	4.9	4.5	4.6	4.6	4.5	2.9	5.0	0.9
11	4.5	4.1	3.9	3.7	3.7	3.9	4.7	5.8	7.6	8.6	9.3	10.8	12.3	13.2	13.9	14.1	14.6	14.4	13.8	12.5	8.8	6.5	5.0	3.8	8.5	14.6	3.7
12	2.2	1.7	1.0	0.7	-0.3	-0.1	3.8	8.8	13.4	15.6	16.2	16.7	17.1	17.5	17.9	15.5	17.2	17.8	14.0	11.2	9.4	7.9	7.6	7.6	10.0	17.9	-0.3
13	7.5	7.2	7.4	8.0	7.3	7.2	8.1	9.3	10.5	11.7	12.2	12.4	8.8	10.2	12.7	13.4	13.0	12.7	12.7	10.9	9.7	8.3	7.3	5.7	9.8	13.4	5.7
14	4.9	2.3	1.7	0.8	0.0	0.8	4.4	8.5	9.9	10.8	11.4	12.9	13.9	14.6	15.3	15.3	15.4	16.0	15.8	14.6	9.6	7.7	6.7	3.7	9.0	16.0	0.0
15	2.6	2.3	2.2	2.3	1.5	1.5	4.5	8.0	11.3	12.6	14.0	15.1	15.3	16.0	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	7.8	16.0	1.5
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
18	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
19	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
20	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
21	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	22.7	22.0	18.9	15.1	13.5	10.9	17.2	22.7	10.9
26	9.5	7.6	7.6	6.8	5.5	6.3	10.9	16.5	22.5	24.8	25.3	25.0	24.9	22.7	19.9	19.7	19.0	17.4	15.3	13.5	10.9	9.9	8.6	7.0	14.9	25.3	5.5
27	6.6	5.7	5.1	4.0	5.5	6.8	8.5	9.9	10.8	12.2	13.6	14.6	15.5	16.7	17.7	18.5	18.9	18.9	18.1	15.6	11.1	7.5	5.5	4.1	11.3	18.9	4.0
28	3.2	0.6	0.6	0.2	0.1	0.8	5.1	11.1	16.1	18.4	19.7	21.4	22.4	23.2	23.8	24.2	24.0	24.0	23.7	20.8	18.1	16.0	14.2	11.9	14.3	24.2	0.1
29	8.7	7.2	6.4	6.4	6.2	6.5	10.3	14.9	19.7	21.6	22.7	23.9	23.7	23.6	24.1	23.8	23.7	20.2	19.1	17.5	14.0	11.7	9.7	7.5	15.5	24.1	6.2
30	6.2	4.4	4.0	3.2	2.3	3.1	7.5	12.5	17.0	18.9	19.9	21.8	22.7	23.6	24.1	24.8	24.8	25.2	24.6	21.3	18.0	16.8	15.8	13.7	15.7	25.2	2.3
Avg	5.9	5.0	4.3	3.9	3.4	3.8	6.3	9.6	12.3	13.7	14.7	15.5	16.1	16.5	16.9	16.3	16.2	15.8	15.3	13.6	11.1	9.2	8.2	7.2	10.8	18.2	2.9
Max	20.8	20.7	18.0	18.0	16.7	16.9	16.7	17.4	22.5	24.8	25.3	25.0	24.9	24.9	25.5	24.8	24.8	25.2	24.6	22.0	20.8	19.1	17.6	21.0	17.2	25.5	10.9
Min	0.2	-0.2	-0.9	-1.8	-2.7	-1.6	1.4	2.6	1.1	1.7	2.2	2.3	2.0	1.3	2.8	4.4	4.8	4.9	5.0	4.9	4.5	2.5	1.9	1.2	2.9	5.0	-2.7

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
April 2012

Day	<< Hour >> 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1																											
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											
13																											
14																											
15																											
16																											
17																											
18																											
19																											
20																											
21																											
22																											
23																											
24																											
25																											
26																											
27																											
28																											
29																											
30																				Ca	0.44	0.29	0.33	0.65	0.43	0.65	0.29
Avg																					0.44	0.29	0.33	0.65	0.43	0.65	0.29
Max																					0.44	0.29	0.33	0.65	0.43	0.65	0.29
Min																					0.44	0.29	0.33	0.65	0.43	0.65	0.29

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
May 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.41	0.63	0.58	0.45	0.58	0.23	0.08	-0.28	-0.36	-0.33	-0.55	-0.88	-1.01	-0.99	-1.02	-0.89	-0.82	-0.51	-0.10	0.47	1.25	1.11	0.75	0.55	-0.03	1.25	-1.02
2	1.12	0.88	0.97	0.83	0.45	0.42	-0.15	-0.30	-0.78	-0.87	-1.17	-1.22	-1.08	-1.19	-0.74	-0.88	-0.44	-0.44	-0.18	0.57	1.10	1.42	0.92	0.64	-0.01	1.42	-1.22
3	0.68	0.78	0.63	0.80	0.88	0.98	0.34	-0.28	-0.49	-0.80	-0.57	-0.45	-0.38	-0.17	-0.25	-0.16	0.01	-0.06	0.01	0.30	0.56	0.41	0.24	0.12	0.13	0.98	-0.80
4	0.44	1.01	1.03	0.73	0.60	0.58	-0.03	-0.26	-0.52	-0.87	-0.85	-1.02	-0.78	-0.99	-0.86	-0.75	-0.29	-0.14	-0.05	0.12	0.08	0.01	0.11	-0.03	-0.11	1.03	-1.02
5	-0.05	-0.06	-0.04	0.01	0.03	-0.01	-0.07	-0.22	-0.52	-0.87	-0.73	-1.24	-1.14	-0.79	-1.04	-1.04	-0.61	-0.30	-0.08	0.08	0.13	-0.04	-0.04	-0.02	-0.36	0.13	-1.24
6	0.05	0.20	0.34	0.33	0.33	0.81	-0.10	-0.21	-0.41	-0.54	-0.55	-0.92	-0.81	-0.83	-0.79	-0.73	-0.52	-0.68	-0.23	0.83	0.52	0.45	0.55	1.38	-0.06	1.38	-0.92
7	1.38	1.03	1.01	0.97	0.85	0.66	0.09	-0.37	-0.34	-0.71	-0.78	-0.80	-1.06	-0.96	-0.99	-0.82	-0.85	-0.59	-0.19	1.13	0.65	0.61	0.44	0.79	0.05	1.38	-1.06
8	0.90	1.00	1.30	1.46	0.90	0.78	0.43	-0.23	-0.32	-0.60	-1.03	-1.01	-1.05	-1.23	-1.14	-0.97	-0.80	-0.52	0.10	1.10	0.28	0.27	0.26	0.69	0.02	1.46	-1.23
9	1.19	0.99	1.21	1.09	0.83	0.91	0.41	-0.30	-0.44	-0.83	-1.04	-0.94	-1.00	-1.13	-0.86	-0.68	-0.75	-0.20	0.69	0.54	0.50	1.56	0.93	1.12	0.16	1.56	-1.13
10	1.02	0.57	0.18	0.05	0.02	-0.02	0.03	0.10	0.13	0.22	0.08	0.01	-0.42	-0.80	-0.84	-0.83	-0.77	-0.55	-0.18	0.64	1.08	0.66	0.76	0.65	0.07	1.08	-0.84
11	0.66	0.93	0.75	0.68	0.96	1.03	-0.18	-0.32	-0.57	-0.74	-0.80	-0.93	-0.98	-0.93	-0.88	-0.87	-0.82	-0.56	-0.09	1.11	0.47	0.31	0.39	1.21	-0.01	1.21	-0.98
12	2.14	1.48	1.29	1.48	1.14	1.20	-0.01	-0.43	-0.36	-0.49	-0.73	-1.08	-0.80	-1.00	-0.81	-0.72	-0.66	-0.51	-0.10	1.11	0.25	0.37	0.45	0.73	0.16	2.14	-1.08
13	1.34	1.37	1.44	1.33	0.96	1.25	-0.16	-0.38	-0.59	-0.92	-0.91	-0.95	-0.99	-0.98	-0.91	-0.87	-0.66	-0.32	0.50	1.75	0.65	0.52	0.51	0.81	0.16	1.75	-0.99
14	1.66	1.21	1.16	1.30	1.31	0.93	-0.16	-0.31	-0.33	-0.63	-0.85	-1.04	-1.01	-1.06	-0.97	-0.77	-0.71	-0.45	-0.11	0.46	0.90	0.74	1.65	1.24	0.17	1.66	-1.06
15	0.95	0.93	0.79	1.08	1.23	0.81	-0.02	-0.38	-0.88	-1.07	-0.85	-0.96	-0.82	-0.74	-0.87	-0.80	-0.45	-0.15	1.12	0.96	1.40	1.60	1.07	0.90	0.20	1.60	-1.07
16	1.05	1.17	1.03	1.49	1.58	0.91	0.35	-0.31	-0.41	-0.87	-0.99	-0.82	-1.03	-0.98	-0.77	-0.15	0.12	0.33	0.06	0.47	0.55	0.97	0.47	0.50	0.20	1.58	-1.03
17	0.36	0.21	0.71	0.70	0.33	0.09	-0.20	-0.33	-0.47	-0.80	-0.79	-0.47	-0.43	-0.30	-0.29	-0.22	-0.20	-0.15	0.00	0.05	-0.04	0.17	0.02	0.03	-0.08	0.71	-0.80
18	0.27	-0.07	-0.05	0.07	0.17	0.10	-0.05	-0.16	-0.37	-0.65	-0.81	-0.86	-0.58	-0.88	-0.61	-0.65	-0.39	-0.41	-0.22	0.65	1.01	0.39	0.26	0.56	-0.14	1.01	-0.88
19	1.25	1.03	1.05	1.27	1.18	0.32	-0.35	-0.34	-0.61	-0.79	-0.66	-0.76	-0.72	-0.60	-0.42	-0.64	-0.56	-0.20	-0.29	0.48	0.87	0.57	0.57	0.84	0.10	1.27	-0.79
20	0.80	1.04	1.42	1.60	1.46	1.09	-0.21	-0.33	-0.53	-0.87	-0.72	-0.73	-0.75	-0.95	-0.68	-0.44	-0.50	-0.10	0.44	0.17	0.30	0.27	0.19	0.28	0.09	1.60	-0.95
21	0.35	0.40	0.13	0.11	0.24	0.11	-0.17	-0.33	-0.55	-0.67	-0.70	-0.80	-1.00	0.05	0.14	-0.50	-0.34	-0.05	0.31	0.47	0.08	0.27	0.45	0.37	-0.07	0.47	-1.00
22	0.31	0.14	0.14	0.21	0.07	0.10	-0.08	-0.28	-0.40	-0.58	-0.73	-0.23	-0.33	0.07	-0.42	-0.22	-0.32	-0.02	0.00	0.16	0.59	0.37	0.24	0.19	-0.04	0.59	-0.73
23	0.22	0.20	0.41	0.58	0.46	0.04	-0.17	-0.34	-0.67	-0.72	-0.67	-0.63	-0.32	-0.64	-0.87	-0.91	-0.85	-0.07	-0.01	0.21	0.55	0.52	0.70	1.76	-0.05	1.76	-0.91
24	0.64	0.17	0.23	0.08	0.11	-0.03	-0.26	-0.38	-0.63	-0.80	-0.67	-1.01	-0.84	-0.63	-0.35	-0.55	-0.40	-0.32	-0.09	0.21	0.45	0.44	0.41	0.46	-0.16	0.64	-1.01
25	0.56	0.81	0.73	0.53	0.05	-0.06	-0.26	-0.36	-0.30	-0.44	-0.46	-0.34	-0.32	-0.33	-0.30	-0.62	-0.38	-0.36	-0.23	-0.15	-0.09	0.00	-0.05	-0.03	-0.10	0.81	-0.62
26	-0.07	-0.02	-0.01	-0.05	-0.09	-0.11	-0.18	-0.25	-0.28	-0.42	-0.46	-0.49	-0.38	-0.14	-0.10	-0.11	-0.08	-0.07	-0.05	-0.08	-0.02	0.06	0.05	0.00	-0.14	0.06	-0.49
27	-0.07	-0.06	-0.04	0.04	0.00	-0.02	-0.08	-0.11	-0.12	-0.17	-0.32	-0.29	-0.39	-0.51	-0.45	-0.54	-0.45	-0.31	-0.19	-0.11	-0.07	-0.05	-0.04	-0.03	-0.18	0.04	-0.54
28	-0.01	-0.01	-0.02	0.05	0.39	0.12	-0.14	-0.17	-0.17	-0.19	-0.26	-0.28	-0.27	-0.31	-0.58	-0.88	-0.85	-0.72	-0.46	0.01	0.39	0.37	0.27	0.27	-0.14	0.39	-0.88
29	0.31	0.44	0.22	0.23	0.39	0.01	-0.13	-0.24	-0.18	-0.77	-0.99	-1.15	-0.37	-0.20	-0.40	-0.33	-0.28	-0.28	0.09	0.48	0.55	0.50	0.50	0.62	-0.04	0.62	-1.15
30	1.65	0.93	0.65	0.98	1.35	0.69	-0.28	-0.44	-0.68	-0.98	-1.10	-1.05	-0.79	-0.51	-0.51	-0.52	-0.46	-0.51	-0.18	0.14	0.39	0.68	1.00	0.83	0.05	1.65	-1.10
31	0.69	0.62	1.04	0.54	0.85	0.33	-0.18	-0.36	-0.64	-0.87	-0.73	-0.75	-0.45	-0.23	-0.13	0.23	0.20	0.27	0.38	0.41	0.38	0.27	0.16	0.24	0.09	1.04	-0.87
Avg	0.72	0.64	0.65	0.68	0.63	0.46	-0.06	-0.29	-0.44	-0.67	-0.72	-0.78	-0.72	-0.67	-0.64	-0.61	-0.48	-0.29	0.02	0.48	0.51	0.51	0.46	0.57	-0.00	1.11	-0.95
Max	2.14	1.48	1.44	1.60	1.58	1.25	0.43	0.10	0.13	0.22	0.08	0.01	-0.27	0.07	0.14	0.23	0.20	0.33	1.12	1.75	1.40	1.60	1.65	1.76	0.20	2.14	-0.49
Min	-0.07	-0.07	-0.05	-0.05	-0.09	-0.11	-0.35	-0.44	-0.88	-1.07	-1.17	-1.24	-1.14	-1.23	-1.14	-1.04	-0.85	-0.72	-0.46	-0.15	-0.09	-0.05	-0.05	-0.03	-0.36	0.04	-1.24

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
June 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.52	0.45	0.35	0.20	0.31	-0.03	-0.23	-0.34	-0.57	-0.38	-0.78	-0.50	-0.47	-0.28	-0.43	-0.51	-0.46	-0.22	0.13	1.12	0.56	0.48	0.63	0.49	0.00	1.12	-0.78
2	1.03	0.82	1.19	1.35	1.11	0.31	-0.05	-0.19	0.00	-0.15	-0.45	-0.56	-0.88	-0.50	-0.53	0.15	0.09	-0.08	0.12	0.31	0.63	0.79	0.87	1.01	0.27	1.35	-0.88
3	0.75	0.63	0.42	0.17	0.48	0.19	-0.23	-0.31	-0.30	-0.53	-0.60	-0.47	-0.63	-0.72	-0.79	-0.45	-0.49	-0.47	-0.05	0.78	0.88	0.97	0.84	0.80	0.04	0.97	-0.79
4	0.79	1.07	1.32	1.07	1.35	0.60	0.23	-0.16	-0.23	-0.28	-0.37	-0.52	-0.92	-0.92	-0.59	-0.50	-0.34	-0.15	-0.04	0.03	0.06	0.65	0.84	0.15	0.13	1.35	-0.92
5	0.28	0.21	0.76	0.75	0.69	0.48	0.28	-0.01	-0.41	-0.57	-0.87	-0.93	-1.09	-0.76	-0.08	0.11	0.25	0.04	0.42	0.13	0.15	0.10	0.07	0.07	0.00	0.76	-1.09
6	-0.05	-0.05	-0.06	-0.03	-0.05	-0.05	-0.18	-0.24	-0.30	-0.31	-0.37	-0.28	-0.44	-0.27	-0.32	-0.21	-0.41	-0.49	-0.24	0.26	0.77	0.67	0.69	0.25	-0.07	0.77	-0.49
7	0.30	0.17	0.25	0.51	0.46	-0.12	-0.28	-0.36	-0.64	-0.82	-0.88	-1.02	-1.03	-0.96	-0.86	-0.82	-0.65	-0.26	0.04	0.71	0.76	1.13	1.01	0.68	-0.11	1.13	-1.03
8	0.59	0.16	0.58	1.05	1.06	0.37	-0.14	-0.31	-0.43	-0.72	-0.71	-0.61	-0.89	-0.21	0.22	-0.14	-0.12	0.07	-0.04	0.09	0.03	0.02	0.06	0.19	0.01	1.06	-0.89
9	0.24	0.04	-0.13	-0.14	-0.16	-0.21	-0.32	-0.38	-0.58	-0.68	-0.82	-1.01	-0.86	-1.04	-1.06	-0.80	-0.48	-0.17	-0.07	0.16	0.54	1.37	0.59	0.07	-0.25	1.37	-1.06
10	-0.03	-0.01	0.11	0.13	0.16	0.14	0.03	-0.06	0.01	-0.16	-0.27	-0.30	-0.30	-0.22	-0.20	-0.16	-0.18	-0.10	-0.01	0.03	0.05	0.03	0.04	0.09	-0.05	0.16	-0.30
11	0.05	0.04	0.02	-0.06	0.00	-0.13	-0.17	-0.26	-0.51	-0.54	-0.52	-0.60	-0.91	-0.79	-0.83	-0.56	-0.50	-0.22	0.15	0.41	0.28	0.09	0.10	0.21	-0.22	0.41	-0.91
12	0.56	0.43	0.51	0.63	0.79	0.64	-0.17	-0.27	-0.40	-0.70	-0.91	-0.82	-0.72	-0.54	-0.58	0.08	-0.14	-0.15	0.51	0.19	0.10	0.21	0.12	0.06	-0.02	0.79	-0.91
13	0.08	-0.03	-0.01	0.04	-0.01	0.19	0.02	-0.08	-0.39	-0.56	-0.67	-0.63	0.02	-0.42	-0.94	-0.64	-0.38	-0.18	-0.09	0.38	0.44	0.47	0.62	0.91	-0.08	0.91	-0.94
14	0.74	1.98	0.72	0.31	0.26	-0.10	-0.39	-0.53	-0.66	-0.67	-0.64	-0.97	-0.96	-0.98	-0.85	-0.62	-0.45	-0.39	-0.20	0.23	0.59	0.17	0.25	0.65	-0.10	1.98	-0.98
15	0.80	0.52	0.61	0.67	0.49	0.41	-0.22	-0.25	-0.35	-0.74	-0.80	-1.03	-0.96	-0.97	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	-0.13	0.80	-1.03
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
18	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
19	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
20	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
21	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	2.35	0.74	0.56	1.67	1.58	1.37	1.38	2.35	0.56
26	1.60	1.10	1.21	1.08	0.83	0.92	-0.08	-0.57	-0.52	-0.62	-0.57	-0.66	-0.83	-1.01	-1.02	-0.90	-0.78	-0.62	-0.36	-0.02	0.56	0.50	0.30	0.39	-0.00	1.60	-1.02
27	0.37	0.45	0.59	1.07	0.61	0.34	-0.18	-0.54	-0.77	-1.00	-1.13	-1.07	-1.16	-1.11	-1.06	-0.86	-0.67	-0.45	-0.05	1.09	1.43	0.98	0.76	0.86	-0.06	1.43	-1.16
28	1.01	1.79	0.57	1.03	1.32	0.43	-0.16	-0.48	-0.51	-0.51	-0.60	-0.84	-0.97	-0.83	-0.73	-0.52	-0.15	0.01	0.48	0.85	0.84	0.67	0.71	1.66	0.21	1.79	-0.97
29	1.67	1.40	1.60	2.23	1.57	0.95	-0.08	-0.43	-0.48	-0.64	-0.76	-0.81	-0.57	-0.49	-0.46	-0.19	-0.40	0.34	0.76	0.93	1.32	1.21	0.88	0.66	0.43	2.23	-0.81
30	1.02	1.28	1.27	0.87	1.20	0.67	-0.33	-0.37	-0.48	-0.73	-0.77	-0.95	-0.94	-0.88	-0.65	-0.77	-0.51	-0.56	-0.25	0.98	0.73	0.77	0.71	1.58	0.12	1.58	-0.95
Avg	0.62	0.62	0.59	0.65	0.62	0.30	-0.13	-0.31	-0.43	-0.57	-0.67	-0.73	-0.78	-0.70	-0.62	-0.44	-0.36	-0.21	0.18	0.47	0.56	0.65	0.58	0.61	0.03	1.23	-0.83
Max	1.67	1.98	1.60	2.23	1.57	0.95	0.28	-0.01	0.01	-0.15	-0.27	-0.28	0.02	-0.21	0.22	0.15	0.25	0.34	2.35	1.12	1.43	1.67	1.58	1.66	1.38	2.35	0.56
Min	-0.05	-0.05	-0.13	-0.14	-0.16	-0.21	-0.39	-0.57	-0.77	-1.00	-1.13	-1.07	-1.16	-1.11	-1.06	-0.90	-0.78	-0.62	-0.36	-0.02	0.03	0.02	0.04	0.06	-0.25	0.16	-1.16

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
April 2012

Day	<< Hour >> 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1																											
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											
13																											
14																											
15																											
16																											
17																											
18																											
19																											
20																											
21																											
22																											
23																											
24																											
25																											
26																											
27																											
28																											
29																											
30																				Ca	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Avg																					0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max																					0.0	0.0	0.0	0.0	0.0	0.0	0.0
Min																					0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
May 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0	0.0	0.0	0.0	0.0	32.9	84.7	305.6	300.5	316.9	612.8	866.0	995.9	921.0	830.0	649.7	516.3	326.4	136.3	11.6	0.0	0.0	0.0	0.0	287.8	995.9	0.0
2	0.0	0.0	0.0	0.0	0.0	33.2	196.1	368.1	580.3	482.6	705.7	805.0	771.2	825.0	402.9	495.4	163.2	184.0	131.7	16.5	0.0	0.0	0.0	0.0	256.7	825.0	0.0
3	0.0	0.0	0.0	0.0	0.0	33.2	194.1	371.4	543.7	545.1	509.2	336.0	320.5	139.6	256.0	181.8	72.9	46.3	31.0	5.2	0.0	0.0	0.0	0.0	149.4	545.1	0.0
4	0.0	0.0	0.0	0.0	0.1	61.6	245.8	379.2	542.9	705.7	629.3	800.0	706.6	958.0	690.0	683.5	206.4	124.1	41.7	2.5	0.0	0.0	0.0	0.0	282.4	958.0	0.0
5	0.0	0.0	0.0	0.0	0.0	9.7	50.9	135.3	261.7	588.5	408.2	815.0	664.0	458.2	656.4	594.1	314.0	145.9	83.3	11.3	0.0	0.0	0.0	0.0	216.5	815.0	0.0
6	0.0	0.0	0.0	0.0	0.0	34.1	202.6	314.2	425.3	336.6	299.0	769.9	554.9	645.7	500.4	396.0	290.3	354.6	128.7	13.0	0.0	0.0	0.0	0.0	219.4	769.9	0.0
7	0.0	0.0	0.0	0.0	0.6	53.1	212.2	397.8	580.3	734.0	857.0	925.0	941.0	900.0	813.0	684.2	514.8	334.1	154.8	15.7	0.0	0.0	0.0	0.0	338.2	941.0	0.0
8	0.0	0.0	0.0	0.0	0.7	27.9	94.9	243.7	496.0	730.6	835.0	918.0	939.0	904.0	816.0	683.9	525.3	346.9	149.4	16.5	0.0	0.0	0.0	0.0	322.0	939.0	0.0
9	0.0	0.0	0.0	0.0	0.0	15.7	193.2	394.8	568.1	723.8	829.0	767.3	792.6	946.0	750.9	612.7	506.2	255.5	65.8	24.6	0.0	0.0	0.0	0.0	310.3	946.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.6	14.5	37.6	80.5	351.7	652.4	944.0	951.0	932.0	797.7	680.7	543.0	359.1	171.4	25.3	0.0	0.0	0.0	0.0	272.6	951.0	0.0
11	0.0	0.0	0.0	0.0	1.2	79.6	248.4	425.0	606.1	755.8	881.0	950.0	969.0	931.0	845.0	713.0	550.6	364.8	167.3	21.0	0.0	0.0	0.0	0.0	354.5	969.0	0.0
12	0.0	0.0	0.0	0.0	1.1	51.2	233.3	414.1	607.2	759.0	879.0	950.0	967.0	925.0	836.0	701.8	535.1	350.5	173.4	25.0	0.0	0.0	0.0	0.0	350.4	967.0	0.0
13	0.0	0.0	0.0	0.0	0.7	51.1	232.8	423.8	605.1	757.0	878.0	944.0	963.0	925.0	840.0	712.5	550.6	365.5	165.8	25.0	0.0	0.0	0.0	0.0	351.7	963.0	0.0
14	0.0	0.0	0.0	0.0	1.3	64.9	234.5	419.7	600.9	754.6	874.0	931.0	960.0	922.0	835.0	704.1	541.8	361.9	182.1	32.1	0.0	0.0	0.0	0.0	350.8	960.0	0.0
15	0.0	0.0	0.0	0.0	1.9	69.8	237.6	421.4	601.9	754.0	874.0	930.0	950.0	897.0	838.0	720.8	500.1	331.1	110.7	15.2	0.0	0.0	0.0	0.0	343.9	950.0	0.0
16	0.0	0.0	0.0	0.0	1.6	37.5	185.8	354.1	491.6	744.1	846.0	923.0	960.0	814.0	673.1	300.9	168.8	162.8	170.0	16.0	0.0	0.0	0.0	0.0	285.4	960.0	0.0
17	0.0	0.0	0.0	0.0	0.8	46.1	183.9	408.5	557.0	748.8	746.4	377.5	334.5	265.2	160.4	119.0	129.5	68.7	27.7	1.3	0.0	0.0	0.0	0.0	174.0	748.8	0.0
18	0.0	0.0	0.0	0.0	0.4	13.0	64.3	102.7	251.2	490.4	687.0	760.8	471.1	685.2	398.4	406.8	203.4	240.4	164.5	37.7	0.1	0.0	0.0	0.0	207.4	760.8	0.0
19	0.0	0.0	0.0	0.0	4.3	88.1	258.3	426.8	644.3	731.5	655.7	652.4	493.8	524.2	342.3	396.5	321.1	148.9	160.0	38.4	0.2	0.0	0.0	0.0	245.3	731.5	0.0
20	0.0	0.0	0.0	0.0	4.0	87.6	245.9	423.7	600.5	735.2	566.2	590.3	607.3	659.5	535.5	332.5	373.0	110.1	17.6	11.5	0.0	0.0	0.0	0.0	245.9	735.2	0.0
21	0.0	0.0	0.0	0.0	3.6	33.3	118.8	367.7	405.5	483.3	521.4	674.1	920.0	189.0	48.9	596.7	450.0	94.5	53.2	10.4	0.0	0.0	0.0	0.0	207.1	920.0	0.0
22	0.0	0.0	0.0	0.0	1.2	33.3	113.6	306.0	304.0	421.5	497.7	158.9	309.5	130.8	490.9	223.8	321.1	140.4	115.6	31.7	0.4	0.0	0.0	0.0	150.0	497.7	0.0
23	0.0	0.0	0.0	0.0	4.1	54.0	121.9	218.5	441.4	445.8	381.8	394.8	204.1	475.0	643.0	641.1	536.7	100.7	100.7	39.3	0.2	0.0	0.0	0.0	200.1	643.0	0.0
24	0.0	0.0	0.0	0.0	2.2	40.7	155.3	171.1	372.8	506.2	405.1	602.6	457.7	415.9	218.5	433.1	237.4	210.8	100.6	28.8	0.2	0.0	0.0	0.0	181.6	602.6	0.0
25	0.0	0.0	0.0	0.0	5.5	111.4	215.2	388.3	260.9	476.9	304.9	228.3	226.1	206.0	217.2	244.8	135.7	116.0	61.1	17.7	0.0	0.0	0.0	0.0	134.0	476.9	0.0
26	0.0	0.0	0.0	0.0	0.2	16.9	37.9	53.1	104.7	179.6	200.0	161.4	126.7	59.1	87.4	129.7	88.5	43.2	18.3	9.5	0.0	0.0	0.0	0.0	54.8	200.0	0.0
27	0.0	0.0	0.0	0.0	0.0	18.0	63.6	124.6	384.3	514.4	651.6	437.5	664.4	550.8	373.8	403.8	292.4	139.8	60.4	21.4	0.0	0.0	0.0	0.0	195.9	664.4	0.0
28	0.0	0.0	0.0	0.0	4.6	35.8	105.8	192.1	118.9	106.9	136.7	142.0	128.6	165.1	394.2	665.2	553.7	386.3	205.3	44.8	0.8	0.0	0.0	0.0	141.1	665.2	0.0
29	0.0	0.0	0.0	0.0	5.3	112.8	178.5	445.8	566.4	752.3	858.0	978.0	272.3	184.7	437.5	253.6	219.9	208.5	74.1	11.1	0.0	0.0	0.0	0.0	231.6	978.0	0.0
30	0.0	0.0	0.0	0.0	9.6	112.6	265.6	365.1	505.5	781.8	869.0	742.0	484.6	321.2	320.4	290.0	286.3	316.9	158.4	26.6	1.3	0.0	0.0	0.0	244.0	869.0	0.0
31	0.0	0.0	0.0	0.0	7.3	91.3	199.5	400.7	535.9	585.5	435.7	436.5	269.4	211.2	104.7	97.0	101.0	48.5	14.1	7.8	0.0	0.0	0.0	0.0	147.8	585.5	0.0
Avg	0.0	0.0	0.0	0.0	2.0	50.0	167.4	316.1	449.9	580.6	628.6	674.6	625.0	583.4	521.1	475.8	346.7	218.9	109.5	19.8	0.1	0.0	0.0	0.0	240.4	791.4	0.0
Max	0.0	0.0	0.0	0.0	9.6	112.8	265.6	445.8	644.3	781.8	881.0	978.0	995.9	958.0	845.0	720.8	553.7	386.3	205.3	44.8	1.3	0.0	0.0	0.0	354.5	995.9	0.0
Min	0.0	0.0	0.0	0.0	0.0	0.6	14.5	37.6	80.5	106.9	136.7	142.0	126.7	59.1	48.9	97.0	72.9	43.2	14.1	1.3	0.0	0.0	0.0	0.0	54.8	200.0	0.0

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
June 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0	0.0	0.0	0.0	5.5	98.2	264.0	411.0	511.6	314.8	601.9	384.8	345.3	214.1	341.9	425.0	373.7	235.4	120.9	16.0	1.4	0.0	0.0	0.0	194.4	601.9	0.0
2	0.0	0.0	0.0	0.0	7.1	85.1	206.4	380.8	155.8	353.5	459.5	577.6	925.0	560.4	528.7	77.2	11.7	140.6	100.6	31.0	1.8	0.0	0.0	0.0	191.8	925.0	0.0
3	0.0	0.0	0.0	0.0	10.1	96.9	203.8	288.5	372.8	618.0	578.6	487.5	802.0	783.9	806.0	585.8	473.5	393.9	209.5	56.1	2.0	0.0	0.0	0.0	282.0	806.0	0.0
4	0.0	0.0	0.0	0.0	5.7	116.8	201.4	270.7	359.7	481.9	767.4	925.0	950.0	941.0	831.0	620.1	559.3	379.9	209.4	61.4	2.2	0.0	0.0	0.0	320.1	950.0	0.0
5	0.0	0.0	0.0	0.0	1.9	24.8	123.7	297.5	593.6	748.5	858.0	930.0	969.0	709.2	191.5	2.5	6.7	65.5	1.5	0.0	0.0	0.0	0.0	0.0	230.2	969.0	0.0
6	0.0	0.0	0.0	0.0	1.8	24.7	83.9	225.8	185.0	154.3	201.9	245.6	379.8	311.8	349.4	261.6	421.4	427.0	278.8	67.6	1.8	0.0	0.0	0.0	150.9	427.0	0.0
7	0.0	0.0	0.0	0.0	8.1	139.1	221.9	425.8	629.0	776.6	887.0	961.0	988.0	956.0	873.0	751.5	595.6	336.0	168.0	36.2	1.0	0.0	0.0	0.0	364.7	988.0	0.0
8	0.0	0.0	0.0	0.0	5.8	86.3	158.9	329.0	626.0	769.5	778.4	777.8	902.0	331.1	74.5	225.6	156.9	51.3	69.2	40.7	0.3	0.0	0.0	0.0	224.3	902.0	0.0
9	0.0	0.0	0.0	0.0	2.1	25.7	184.9	412.2	464.3	469.5	620.2	693.9	562.4	814.0	749.5	524.5	317.8	177.8	128.1	45.7	1.9	0.0	0.0	0.0	258.1	814.0	0.0
10	0.0	0.0	0.0	0.0	2.1	26.2	58.7	91.5	114.6	174.9	207.5	215.4	175.8	169.8	125.1	113.4	111.6	75.3	41.4	17.0	1.3	0.0	0.0	0.0	71.7	215.4	0.0
11	0.0	0.0	0.0	0.0	2.8	40.3	83.0	197.0	418.0	347.6	448.5	615.1	777.3	728.0	647.2	455.1	437.4	298.9	156.1	67.7	3.1	0.0	0.0	0.0	238.5	777.3	0.0
12	0.0	0.0	0.0	0.0	8.7	127.7	281.9	452.8	623.3	769.6	897.0	839.0	766.9	636.6	575.2	276.2	308.0	324.9	31.7	43.0	1.7	0.0	0.0	0.0	290.2	897.0	0.0
13	0.0	0.0	0.0	0.0	0.0	21.7	178.0	188.4	481.9	540.3	671.8	623.3	172.6	749.5	888.0	575.6	387.1	246.7	234.9	38.5	2.3	0.0	0.0	0.0	250.0	888.0	0.0
14	0.0	0.0	0.0	0.0	5.6	119.4	281.4	457.1	543.2	604.7	623.0	958.0	995.9	957.0	825.0	553.9	488.6	454.6	192.7	80.2	2.0	0.0	0.0	0.0	339.3	995.9	0.0
15	0.0	0.0	0.0	0.0	4.4	61.3	204.6	299.7	381.6	670.6	824.0	978.0	995.9	964.0	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	384.6	995.9	0.0
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
18	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
19	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
20	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
21	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	109.9	85.8	3.0	0.0	0.0	0.0	33.1	109.9	0.0
26	0.0	0.0	0.0	0.0	6.5	98.0	254.5	435.8	615.7	766.2	869.0	949.0	974.0	886.0	836.0	728.4	581.1	417.5	249.2	85.7	4.0	0.0	0.0	0.0	364.9	974.0	0.0
27	0.0	0.0	0.0	0.0	5.7	109.0	274.7	451.8	624.0	773.1	886.0	960.0	986.0	956.0	881.0	759.1	605.0	433.8	257.2	93.6	3.5	0.0	0.0	0.0	377.5	986.0	0.0
28	0.0	0.0	0.0	0.0	5.8	101.2	266.3	443.9	615.9	769.2	880.0	954.0	980.0	943.0	860.0	655.8	436.0	322.1	239.4	75.6	1.8	0.0	0.0	0.0	356.3	980.0	0.0
29	0.0	0.0	0.0	0.0	7.7	116.7	215.4	441.2	613.3	763.0	873.0	958.0	737.8	722.0	700.8	533.9	588.9	105.5	98.4	31.1	14.2	0.0	0.0	0.0	313.4	958.0	0.0
30	0.0	0.0	0.0	0.0	5.3	97.9	255.5	427.0	595.9	744.5	776.7	910.0	920.0	879.0	811.0	776.9	563.7	480.1	237.6	82.6	3.4	0.0	0.0	0.0	357.0	920.0	0.0
Avg	0.0	0.0	0.0	0.0	5.1	80.9	200.1	346.4	476.3	580.5	685.5	747.1	765.3	710.6	626.0	468.5	390.7	282.5	156.7	52.8	2.6	0.0	0.0	0.0	272.7	813.3	0.0
Max	0.0	0.0	0.0	0.0	10.1	139.1	281.9	457.1	629.0	776.6	897.0	978.0	995.9	964.0	888.0	776.9	605.0	480.1	278.8	93.6	14.2	0.0	0.0	0.0	384.6	995.9	0.0
Min	0.0	0.0	0.0	0.0	0.0	21.7	58.7	91.5	114.6	154.3	201.9	215.4	172.6	169.8	74.5	2.5	6.7	51.3	1.5	0.0	0.0	0.0	0.0	0.0	33.1	109.9	0.0

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
April 2012

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1																											
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											
13																											
14																											
15																											
16																											
17																											
18																											
19																											
20																											
21																											
22																											
23																											
24																											
25																											
26																											
27																											
28																											
29																											
30																											
Ca																				24.01	24.02	24.02	24.03		24.02	24.03	24.01
Avg																				24.01	24.02	24.02	24.03		24.02	24.03	24.01
Max																				24.01	24.02	24.02	24.03		24.02	24.03	24.01
Min																				24.01	24.02	24.02	24.03		24.02	24.03	24.01

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
May 2012

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	24.03	24.03	24.03	24.03	24.04	24.04	24.06	24.07	24.06	24.06	24.05	24.04	24.04	24.05	24.05	24.06	24.07	24.07	24.07	24.08	24.09	24.09	24.09	24.09	24.06	24.09	24.03
2	24.08	24.07	24.06	24.06	24.08	24.09	24.09	24.10	24.10	24.11	24.12	24.13	24.13	24.13	24.14	24.15	24.18	24.19	24.19	24.21	24.22	24.23	24.23	24.23	24.14	24.23	24.06
3	24.23	24.23	24.23	24.23	24.23	24.23	24.22	24.22	24.20	24.19	24.18	24.17	24.15	24.16	24.14	24.13	24.14	24.16	24.16	24.17	24.19	24.20	24.19	24.19	24.19	24.23	24.13
4	24.19	24.19	24.20	24.22	24.23	24.24	24.27	24.28	24.28	24.28	24.28	24.28	24.27	24.26	24.25	24.24	24.23	24.23	24.23	24.24	24.27	24.29	24.29	24.31	24.25	24.31	24.19
5	24.32	24.29	24.31	24.33	24.35	24.35	24.36	24.36	24.37	24.38	24.38	24.37	24.37	24.37	24.38	24.39	24.39	24.41	24.42	24.43	24.44	24.46	24.47	24.48	24.38	24.48	24.29
6	24.48	24.48	24.49	24.49	24.50	24.51	24.54	24.55	24.55	24.56	24.58	24.58	24.59	24.59	24.59	24.59	24.58	24.58	24.58	24.58	24.59	24.59	24.60	24.60	24.56	24.60	24.48
7	24.61	24.60	24.60	24.60	24.60	24.60	24.61	24.63	24.62	24.61	24.60	24.58	24.57	24.56	24.54	24.53	24.52	24.52	24.52	24.52	24.52	24.53	24.52	24.52	24.57	24.63	24.52
8	24.51	24.50	24.50	24.49	24.49	24.49	24.49	24.50	24.49	24.47	24.46	24.44	24.42	24.41	24.40	24.39	24.37	24.36	24.36	24.35	24.36	24.36	24.36	24.35	24.43	24.51	24.35
9	24.35	24.35	24.34	24.34	24.33	24.33	24.33	24.34	24.32	24.30	24.28	24.26	24.23	24.21	24.19	24.18	24.17	24.16	24.16	24.18	24.21	24.22	24.22	24.21	24.26	24.35	24.16
10	24.21	24.23	24.24	24.26	24.27	24.28	24.27	24.29	24.29	24.30	24.32	24.32	24.33	24.34	24.34	24.35	24.36	24.37	24.38	24.38	24.40	24.42	24.42	24.44	24.33	24.44	24.21
11	24.45	24.46	24.47	24.48	24.49	24.50	24.50	24.52	24.52	24.52	24.51	24.51	24.50	24.49	24.48	24.47	24.47	24.47	24.47	24.47	24.48	24.50	24.50	24.50	24.49	24.52	24.45
12	24.51	24.52	24.52	24.53	24.55	24.56	24.58	24.59	24.59	24.59	24.59	24.59	24.58	24.57	24.56	24.55	24.55	24.55	24.55	24.55	24.56	24.57	24.56	24.56	24.56	24.59	24.51
13	24.55	24.55	24.56	24.56	24.57	24.57	24.59	24.60	24.59	24.59	24.59	24.58	24.57	24.56	24.54	24.53	24.52	24.51	24.50	24.50	24.51	24.52	24.52	24.52	24.55	24.60	24.50
14	24.51	24.51	24.52	24.52	24.53	24.55	24.57	24.57	24.56	24.56	24.56	24.55	24.54	24.53	24.52	24.51	24.51	24.50	24.49	24.50	24.52	24.53	24.53	24.54	24.53	24.57	24.49
15	24.53	24.52	24.51	24.51	24.50	24.50	24.50	24.49	24.48	24.47	24.46	24.44	24.42	24.40	24.39	24.37	24.36	24.34	24.33	24.34	24.34	24.35	24.35	24.34	24.43	24.53	24.33
16	24.34	24.33	24.32	24.31	24.31	24.32	24.32	24.32	24.31	24.30	24.30	24.29	24.26	24.25	24.23	24.22	24.21	24.21	24.21	24.23	24.25	24.25	24.26	24.25	24.27	24.34	24.21
17	24.25	24.25	24.26	24.26	24.25	24.24	24.24	24.23	24.22	24.22	24.20	24.20	24.18	24.17	24.17	24.16	24.15	24.13	24.13	24.15	24.15	24.15	24.16	24.15	24.19	24.26	24.13
18	24.15	24.15	24.15	24.15	24.16	24.17	24.18	24.19	24.19	24.20	24.20	24.21	24.21	24.22	24.22	24.23	24.27	24.29	24.30	24.31	24.33	24.34	24.34	24.34	24.23	24.34	24.15
19	24.35	24.35	24.36	24.37	24.38	24.38	24.39	24.40	24.39	24.40	24.39	24.39	24.37	24.37	24.36	24.37	24.39	24.40	24.41	24.41	24.42	24.43	24.44	24.44	24.39	24.44	24.35
20	24.44	24.44	24.45	24.44	24.44	24.45	24.47	24.48	24.47	24.47	24.46	24.45	24.44	24.43	24.42	24.42	24.41	24.41	24.40	24.40	24.41	24.43	24.43	24.44	24.44	24.48	24.40
21	24.44	24.43	24.43	24.43	24.42	24.42	24.42	24.42	24.41	24.40	24.39	24.36	24.33	24.32	24.37	24.31	24.28	24.27	24.27	24.26	24.23	24.21	24.20	24.17	24.34	24.44	24.17
22	24.18	24.19	24.17	24.16	24.16	24.14	24.13	24.13	24.13	24.11	24.10	24.09	24.11	24.12	24.12	24.12	24.11	24.10	24.11	24.12	24.12	24.12	24.11	24.10	24.13	24.19	24.09
23	24.08	24.08	24.07	24.07	24.07	24.08	24.08	24.08	24.08	24.07	24.07	24.07	24.07	24.06	24.05	24.05	24.06	24.07	24.08	24.08	24.09	24.10	24.10	24.10	24.08	24.10	24.05
24	24.10	24.10	24.11	24.11	24.11	24.11	24.12	24.11	24.11	24.11	24.11	24.11	24.10	24.10	24.11	24.12	24.13	24.14	24.15	24.17	24.20	24.22	24.23	24.23	24.13	24.23	24.10
25	24.23	24.22	24.22	24.23	24.24	24.24	24.25	24.25	24.27	24.27	24.27	24.26	24.26	24.25	24.25	24.25	24.26	24.26	24.25	24.26	24.27	24.28	24.26	24.26	24.25	24.28	24.22
26	24.26	24.25	24.24	24.24	24.23	24.21	24.23	24.23	24.22	24.21	24.20	24.20	24.20	24.19	24.18	24.18	24.17	24.16	24.16	24.17	24.16	24.15	24.15	24.13	24.20	24.26	24.13
27	24.13	24.10	24.09	24.09	24.09	24.09	24.09	24.10	24.09	24.09	24.10	24.11	24.12	24.13	24.14	24.16	24.18	24.20	24.21	24.21	24.21	24.22	24.21	24.22	24.14	24.22	24.09
28	24.22	24.23	24.24	24.24	24.24	24.25	24.26	24.28	24.29	24.30	24.32	24.33	24.34	24.36	24.37	24.37	24.38	24.38	24.38	24.38	24.38	24.39	24.39	24.38	24.32	24.39	24.22
29	24.38	24.37	24.37	24.36	24.36	24.37	24.37	24.37	24.37	24.34	24.33	24.32	24.31	24.35	24.34	24.33	24.33	24.32	24.32	24.32	24.33	24.34	24.35	24.34	24.35	24.38	24.31
30	24.34	24.33	24.34	24.35	24.36	24.37	24.39	24.40	24.40	24.40	24.41	24.41	24.41	24.42	24.43	24.43	24.43	24.43	24.43	24.44	24.45	24.47	24.47	24.47	24.41	24.47	24.33
31	24.48	24.47	24.47	24.46	24.45	24.46	24.47	24.47	24.46	24.45	24.44	24.43	24.42	24.41	24.39	24.39	24.38	24.38	24.38	24.38	24.38	24.38	24.38	24.37	24.42	24.48	24.37
Avg	24.32	24.32	24.32	24.32	24.32	24.33	24.34	24.34	24.34	24.33	24.33	24.32	24.32	24.32	24.31	24.31	24.31	24.31	24.31	24.32	24.33	24.33	24.33	24.33	24.32	24.39	24.26
Max	24.61	24.60	24.60	24.60	24.60	24.60	24.61	24.63	24.62	24.61	24.60	24.59	24.59	24.59	24.59	24.59	24.58	24.58	24.58	24.58	24.59	24.59	24.60	24.60	24.57	24.63	24.52
Min	24.03	24.03	24.03	24.03	24.04	24.04	24.06	24.07	24.06	24.06	24.05	24.04	24.04	24.05	24.05	24.05	24.06	24.07	24.07	24.08	24.09	24.09	24.09	24.09	24.06	24.09	24.03

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
June 2012

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	24.36	24.35	24.36	24.36	24.37	24.37	24.39	24.39	24.38	24.38	24.37	24.37	24.37	24.36	24.35	24.34	24.34	24.33	24.33	24.32	24.32	24.32	24.31	24.30	24.35	24.39	24.30
2	24.29	24.28	24.26	24.24	24.23	24.23	24.22	24.21	24.20	24.19	24.18	24.17	24.15	24.13	24.11	24.14	24.19	24.21	24.21	24.21	24.22	24.25	24.25	24.26	24.21	24.29	24.11
3	24.27	24.28	24.28	24.28	24.29	24.31	24.31	24.32	24.33	24.33	24.33	24.33	24.32	24.32	24.31	24.30	24.29	24.29	24.29	24.31	24.33	24.35	24.34	24.34	24.31	24.35	24.27
4	24.33	24.33	24.33	24.32	24.32	24.32	24.33	24.34	24.34	24.32	24.32	24.30	24.27	24.26	24.23	24.20	24.18	24.15	24.14	24.14	24.11	24.10	24.11	24.09	24.25	24.34	24.09
5	24.08	24.07	24.07	24.07	24.07	24.08	24.08	24.08	24.07	24.06	24.05	24.04	24.03	24.01	23.98	23.98	24.00	23.98	24.00	24.02	24.03	24.10	24.10	24.10	24.05	24.10	23.98
6	24.11	24.15	24.17	24.17	24.19	24.21	24.22	24.25	24.27	24.28	24.29	24.30	24.31	24.31	24.31	24.33	24.34	24.35	24.36	24.38	24.39	24.40	24.40	24.40	24.29	24.40	24.11
7	24.41	24.41	24.41	24.42	24.42	24.44	24.44	24.44	24.43	24.43	24.42	24.41	24.40	24.38	24.37	24.35	24.34	24.33	24.31	24.30	24.30	24.29	24.28	24.26	24.37	24.44	24.26
8	24.25	24.23	24.22	24.20	24.20	24.20	24.19	24.19	24.17	24.16	24.16	24.15	24.13	24.12	24.12	24.12	24.11	24.14	24.15	24.15	24.16	24.18	24.17	24.15	24.17	24.25	24.11
9	24.13	24.12	24.12	24.11	24.11	24.11	24.11	24.12	24.11	24.10	24.10	24.09	24.09	24.10	24.10	24.11	24.12	24.13	24.13	24.15	24.17	24.18	24.17	24.16	24.12	24.18	24.09
10	24.16	24.15	24.16	24.16	24.16	24.16	24.16	24.16	24.16	24.16	24.17	24.19	24.21	24.23	24.25	24.28	24.31	24.34	24.37	24.39	24.41	24.43	24.45	24.46	24.25	24.46	24.15
11	24.46	24.47	24.48	24.48	24.48	24.49	24.50	24.52	24.52	24.52	24.52	24.51	24.51	24.50	24.49	24.49	24.48	24.48	24.48	24.48	24.48	24.49	24.49	24.47	24.49	24.52	24.46
12	24.46	24.46	24.46	24.45	24.44	24.44	24.44	24.43	24.42	24.40	24.40	24.39	24.37	24.36	24.35	24.34	24.33	24.32	24.33	24.33	24.32	24.32	24.31	24.29	24.38	24.46	24.29
13	24.26	24.24	24.25	24.26	24.25	24.25	24.24	24.24	24.23	24.22	24.22	24.22	24.23	24.23	24.23	24.23	24.22	24.22	24.21	24.23	24.25	24.28	24.28	24.29	24.24	24.29	24.21
14	24.29	24.29	24.30	24.31	24.31	24.33	24.35	24.35	24.35	24.35	24.35	24.34	24.34	24.33	24.32	24.32	24.32	24.31	24.31	24.31	24.31	24.31	24.31	24.31	24.32	24.35	24.29
15	24.31	24.31	24.31	24.32	24.33	24.34	24.35	24.37	24.37	24.38	24.38	24.39	24.40	24.40	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	24.35	24.40	24.31
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
18	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
19	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
20	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
21	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	24.21	24.20	24.20	24.21	24.21	24.19	24.20	24.21	24.19
26	24.17	24.15	24.15	24.14	24.12	24.13	24.12	24.10	24.09	24.08	24.07	24.09	24.09	24.10	24.13	24.15	24.17	24.19	24.21	24.22	24.24	24.26	24.28	24.28	24.16	24.28	24.07
27	24.28	24.29	24.31	24.32	24.34	24.35	24.36	24.37	24.37	24.37	24.37	24.37	24.37	24.37	24.37	24.37	24.37	24.37	24.38	24.39	24.40	24.41	24.42	24.43	24.36	24.43	24.28
28	24.43	24.43	24.43	24.43	24.43	24.45	24.45	24.45	24.45	24.44	24.43	24.43	24.42	24.41	24.40	24.39	24.37	24.36	24.36	24.37	24.39	24.39	24.38	24.38	24.41	24.45	24.36
29	24.38	24.38	24.38	24.37	24.38	24.39	24.40	24.40	24.40	24.40	24.40	24.39	24.39	24.39	24.38	24.38	24.38	24.40	24.40	24.41	24.43	24.43	24.44	24.44	24.40	24.44	24.37
30	24.45	24.44	24.44	24.43	24.44	24.45	24.45	24.45	24.44	24.43	24.42	24.41	24.40	24.39	24.38	24.37	24.35	24.34	24.33	24.31	24.32	24.32	24.31	24.30	24.39	24.45	24.30
Avg	24.29	24.29	24.29	24.29	24.29	24.30	24.31	24.31	24.31	24.30	24.30	24.29	24.29	24.29	24.27	24.27	24.27	24.28	24.28	24.28	24.29	24.30	24.30	24.30	24.29	24.36	24.22
Max	24.46	24.47	24.48	24.48	24.48	24.49	24.50	24.52	24.52	24.52	24.52	24.51	24.51	24.50	24.49	24.49	24.48	24.48	24.48	24.48	24.48	24.49	24.49	24.47	24.49	24.52	24.46
Min	24.08	24.07	24.07	24.07	24.07	24.08	24.08	24.08	24.07	24.06	24.05	24.04	24.03	24.01	23.98	23.98	24.00	23.98	24.00	24.02	24.03	24.10	24.10	24.09	24.05	24.10	23.98

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Relative Humidity (RH)
April 2012

Day	<< Hour >> 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1																											
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											
13																											
14																											
15																											
16																											
17																											
18																											
19																											
20																											
21																											
22																											
23																											
24																											
25																											
26																											
27																											
28																											
29																											
30																				Ca	96.3	93.6	89.4	88.3	91.9	96.3	88.3
Avg																					96.3	93.6	89.4	88.3	91.9	96.3	88.3
Max																					96.3	93.6	89.4	88.3	91.9	96.3	88.3
Min																					96.3	93.6	89.4	88.3	91.9	96.3	88.3

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Relative Humidity (RH)
May 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	83.7	75.6	81.7	79.2	76.8	68.8	67.5	60.9	60.8	59.8	51.4	48.6	44.6	40.7	36.7	38.4	37.1	34.7	38.4	45.0	56.4	67.1	71.3	74.7	58.3	83.7	34.7
2	75.4	74.4	79.9	82.2	82.6	83.3	77.3	62.9	53.8	49.6	46.5	46.3	43.4	40.8	36.8	49.0	66.4	63.0	44.3	46.4	55.1	66.7	72.6	75.5	61.4	83.3	36.8
3	79.0	82.0	81.6	84.3	82.7	84.7	77.5	55.5	41.0	42.0	44.6	47.5	46.7	71.8	72.2	66.9	77.6	87.2	89.2	91.5	94.8	95.7	94.5	95.2	74.4	95.7	41.0
4	95.4	97.4	97.7	97.0	96.6	94.6	90.5	81.4	67.8	63.3	57.2	52.2	49.1	41.0	38.0	34.2	34.1	35.9	58.8	64.2	89.6	94.4	95.1	93.8	71.6	97.7	34.1
5	93.3	93.4	90.6	88.0	86.4	87.0	83.1	79.6	73.9	63.8	59.0	54.2	50.7	47.8	43.7	42.7	43.2	52.1	50.1	56.8	64.3	80.0	91.6	91.9	69.5	93.4	42.7
6	86.8	85.6	85.2	83.5	84.1	81.9	77.9	69.4	72.8	82.7	81.9	76.3	63.9	55.7	47.7	44.4	43.9	43.6	45.8	56.7	71.0	80.0	84.0	86.7	70.5	86.8	43.6
7	88.7	89.8	89.7	90.2	91.0	87.7	84.5	68.7	48.8	42.4	38.3	33.9	31.8	29.3	28.0	26.8	28.9	29.9	33.1	44.7	59.1	70.4	73.6	77.5	57.8	91.0	26.8
8	80.1	82.7	85.2	88.2	86.3	86.5	87.5	77.7	59.0	36.4	31.0	28.9	26.2	23.9	23.5	22.6	21.5	21.5	24.7	40.6	55.2	60.1	64.9	72.3	53.6	88.2	21.5
9	78.9	83.5	85.7	86.4	84.7	83.6	80.3	60.0	40.2	28.9	25.4	23.6	23.0	21.9	20.9	20.8	22.2	24.3	31.3	34.8	36.6	44.3	48.6	67.1	48.2	86.4	20.8
10	71.5	68.4	85.4	89.4	97.7	98.6	98.4	91.8	86.0	72.6	63.5	59.1	58.2	41.8	31.4	27.3	25.7	26.3	28.2	34.8	40.9	63.6	73.6	81.8	63.2	98.6	25.7
11	83.2	83.8	84.2	84.2	85.2	84.5	79.7	54.6	40.4	35.3	31.3	30.7	29.6	27.3	24.6	22.5	17.6	17.6	20.6	31.6	54.3	58.8	64.2	72.7	50.8	85.2	17.6
12	80.3	81.4	81.4	82.0	83.8	82.1	74.4	61.0	33.4	26.5	23.4	20.9	19.3	19.8	19.4	18.8	19.9	19.5	18.8	36.6	51.9	58.2	61.8	66.5	47.5	83.8	18.8
13	77.7	82.4	82.9	84.1	85.1	83.7	73.3	56.8	35.3	29.2	25.9	24.5	21.1	19.2	16.6	14.3	12.1	11.7	16.7	26.5	44.0	51.5	53.0	60.2	45.3	85.1	11.7
14	71.3	73.2	73.7	78.7	82.1	78.5	70.0	58.0	36.1	25.4	25.2	25.2	23.9	22.6	21.8	21.1	21.8	23.3	26.9	34.0	41.5	46.8	53.4	41.9	44.9	82.1	21.1
15	40.8	41.1	40.6	45.6	45.9	44.9	38.2	34.4	33.4	31.8	28.8	26.9	24.6	22.0	20.3	18.2	17.7	18.4	25.5	35.3	45.7	59.6	64.2	62.7	36.1	64.2	17.7
16	69.6	73.3	72.6	82.3	86.4	85.4	81.3	68.8	48.6	32.3	28.6	24.4	22.9	26.3	26.1	29.1	33.5	43.3	35.1	41.6	48.1	60.0	65.8	72.5	52.4	86.4	22.9
17	73.5	74.7	69.9	58.2	69.4	74.5	70.3	50.9	34.3	34.3	32.7	34.6	38.4	42.2	44.1	72.9	78.6	77.8	82.1	90.2	94.4	91.2	93.3	94.0	65.7	94.4	32.7
18	96.8	98.2	97.0	94.0	94.4	87.1	84.8	82.6	77.0	69.0	67.9	56.4	51.4	45.0	41.1	57.6	65.2	61.1	56.5	58.2	73.4	82.6	86.6	88.3	73.8	98.2	41.1
19	92.8	93.1	93.2	92.7	92.4	87.6	78.6	72.5	49.0	35.9	34.7	32.5	34.7	36.5	34.1	35.8	41.1	43.2	50.8	57.2	73.2	80.9	84.4	87.2	63.1	93.2	32.5
20	90.7	91.5	95.0	94.8	94.8	92.5	86.1	71.9	55.4	42.8	39.2	38.0	38.3	34.7	33.4	34.6	34.4	36.3	47.0	58.5	59.2	63.0	67.8	74.4	61.4	95.0	33.4
21	77.8	81.3	82.9	84.0	85.8	86.6	84.4	66.1	48.5	43.0	40.7	37.2	33.2	53.5	83.9	81.9	65.2	61.7	74.2	72.2	82.9	81.8	86.3	87.8	70.1	87.8	33.2
22	91.5	91.2	92.1	92.1	93.3	93.9	86.8	81.5	76.4	70.9	68.9	76.4	87.1	72.4	60.3	57.1	49.2	46.8	46.1	47.5	55.1	52.4	55.8	59.5	71.0	93.9	46.1
23	62.1	62.5	65.3	66.4	68.5	72.5	72.6	63.8	60.4	58.6	62.9	63.9	71.0	57.5	49.8	44.8	40.8	49.4	58.3	55.6	58.7	65.9	70.4	83.0	61.9	83.0	40.8
24	86.8	86.8	86.9	87.9	89.8	90.0	85.1	79.0	70.2	60.2	63.8	64.2	68.2	70.4	77.8	61.0	64.2	64.7	65.6	70.1	80.9	81.5	76.0	79.7	75.5	90.0	60.2
25	84.1	80.9	77.5	80.2	72.4	66.8	60.7	59.7	63.9	60.8	62.4	62.6	61.5	64.8	74.5	83.5	85.7	91.9	94.3	93.3	94.4	91.2	91.1	90.9	77.0	94.4	59.7
26	92.9	83.8	85.7	92.9	95.5	95.5	92.0	92.8	91.4	89.4	87.5	87.2	89.9	95.0	96.8	93.8	84.6	81.8	93.9	97.2	95.3	87.5	86.0	90.0	90.8	97.2	81.8
27	95.1	97.1	97.3	95.8	94.3	93.4	90.7	85.3	81.6	83.4	85.9	90.7	89.2	89.3	88.1	84.7	87.1	89.4	90.2	89.7	91.5	91.9	91.9	92.2	90.2	97.3	81.6
28	90.7	90.8	92.7	93.4	93.5	95.2	90.3	85.7	87.4	87.3	86.6	81.9	80.2	78.9	76.8	72.8	74.2	74.1	73.5	82.3	91.0	94.4	95.0	96.5	86.0	96.5	72.8
29	98.1	98.3	98.2	97.5	97.6	96.7	96.2	85.3	64.9	55.8	50.5	43.1	42.6	83.1	82.7	73.5	64.5	65.3	65.5	72.1	73.4	45.4	41.3	42.4	72.3	98.3	41.3
30	48.5	44.0	53.6	69.1	72.5	63.1	49.7	43.8	41.2	39.1	38.8	38.1	38.3	42.7	45.5	48.4	48.8	48.4	51.0	55.6	61.5	67.9	78.0	84.6	53.0	84.6	38.1
31	88.6	90.7	93.7	93.6	94.5	91.0	85.8	76.2	61.6	59.1	57.1	55.3	56.7	62.3	72.2	74.0	77.9	77.4	74.0	73.6	86.0	91.7	95.4	96.2	78.5	96.2	55.3
Avg	81.5	81.7	83.2	84.4	85.4	83.9	79.2	69.0	57.9	52.0	49.7	47.9	47.1	47.7	47.4	47.5	47.9	49.1	52.0	57.9	67.1	71.8	75.2	78.7	64.4	90.1	38.3
Max	98.1	98.3	98.2	97.5	97.7	98.6	98.4	92.8	91.4	89.4	87.5	90.7	89.9	95.0	96.8	93.8	87.1	91.9	94.3	97.2	95.3	95.7	95.4	96.5	90.8	98.6	81.8
Min	40.8	41.1	40.6	45.6	45.9	44.9	38.2	34.4	33.4	25.4	23.4	20.9	19.3	19.2	16.6	14.3	12.1	11.7	16.7	26.5	36.6	44.3	41.3	41.9	36.1	64.2	11.7

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Relative Humidity (RH)
June 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	96.2	96.8	97.9	97.5	98.3	98.7	92.1	78.2	70.0	67.9	63.8	65.0	66.4	64.5	62.8	60.6	60.1	58.2	60.4	71.8	84.4	89.9	92.4	96.5	78.8	98.7	58.2
2	97.9	98.4	97.5	98.5	98.2	94.8	92.1	74.9	69.1	72.5	59.6	54.9	47.3	43.2	42.7	72.5	89.4	88.7	81.5	75.3	80.8	82.6	82.4	85.7	78.4	98.5	42.7
3	90.0	92.2	95.1	94.5	96.0	93.8	91.9	83.9	58.5	54.0	49.3	47.7	43.6	43.0	42.3	42.4	41.7	40.0	48.4	56.8	73.6	83.2	84.3	88.2	68.1	96.0	40.0
4	93.3	95.4	96.5	96.2	97.9	91.9	88.0	79.2	62.9	54.2	42.9	40.3	34.4	34.6	33.3	39.1	39.8	41.0	44.1	49.2	51.3	59.0	62.2	34.7	60.9	97.9	33.3
5	33.8	34.2	43.6	44.5	51.5	51.5	56.6	56.5	45.1	38.4	43.5	44.7	53.1	57.9	56.8	88.7	92.4	94.1	96.0	96.6	93.3	86.4	84.3	90.5	63.9	96.6	33.8
6	93.7	92.0	91.6	91.9	92.5	90.9	87.1	80.3	78.5	80.4	73.6	67.5	57.1	51.3	49.3	48.7	45.0	43.7	45.9	58.0	69.2	79.1	86.9	88.5	72.6	93.7	43.7
7	89.8	90.0	90.7	91.9	93.1	85.8	84.2	69.5	44.4	41.2	40.1	36.6	31.3	27.0	27.5	25.6	20.8	20.7	24.6	46.0	58.1	72.1	68.3	61.3	55.9	93.1	20.7
8	60.8	56.9	61.3	72.6	78.8	81.1	76.1	67.7	55.2	38.0	38.5	36.5	32.0	33.8	40.9	54.1	60.9	74.3	87.9	83.5	86.0	90.7	91.0	95.5	64.8	95.5	32.0
9	97.4	98.5	99.3	99.3	99.4	99.5	99.4	90.6	69.2	63.4	57.7	56.5	54.8	49.0	46.4	44.1	41.8	44.8	50.0	56.1	59.5	74.5	71.9	68.5	70.5	99.5	41.8
10	78.6	85.0	94.4	92.1	89.6	86.8	83.3	85.3	94.1	93.2	92.5	92.8	94.4	95.7	94.6	91.5	92.2	91.1	89.8	90.1	93.0	91.1	90.0	88.1	90.4	95.7	78.6
11	87.6	93.5	94.1	95.7	94.3	94.8	90.3	82.8	77.7	72.4	67.4	61.8	58.8	53.2	52.4	49.7	46.9	46.9	49.7	59.0	76.6	84.0	87.2	89.1	73.6	95.7	46.9
12	93.3	93.7	95.3	95.2	96.7	92.9	84.0	69.5	57.1	44.8	44.7	43.5	41.9	38.7	39.7	52.6	46.0	39.6	57.0	72.7	85.9	91.3	90.3	89.0	69.0	96.7	38.7
13	89.1	93.0	95.1	93.6	95.8	91.2	85.5	78.2	72.4	65.4	64.3	63.2	77.8	69.8	61.1	53.7	51.2	50.2	42.0	44.8	56.7	61.1	64.9	72.2	70.5	95.8	42.0
14	76.7	85.1	88.8	91.5	93.3	88.8	80.0	63.0	60.6	56.6	54.3	51.3	44.8	43.7	37.8	39.3	38.3	34.6	38.7	46.5	69.6	74.4	75.7	86.0	63.3	93.3	34.6
15	90.3	90.9	91.0	87.9	91.4	90.8	84.5	73.7	51.2	47.9	42.9	31.1	32.6	30.7	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	66.9	91.4	30.7
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
18	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
19	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
20	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
21	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	30.9	33.1	39.7	49.7	55.6	69.6	46.4	69.6	30.9
26	77.6	87.0	87.8	91.1	93.4	87.6	77.7	63.8	41.6	27.7	14.6	14.3	16.2	35.7	40.1	36.1	32.9	34.9	37.2	39.2	44.2	46.0	51.3	52.6	51.3	93.4	14.3
27	48.6	55.9	61.4	63.4	54.5	50.0	47.3	45.3	44.7	43.4	36.9	31.1	30.1	27.3	24.6	24.4	23.1	24.4	25.0	31.0	43.9	58.9	65.3	71.7	43.0	71.7	23.1
28	73.0	81.2	83.6	83.9	83.0	78.1	69.0	51.6	35.8	26.1	28.8	24.8	22.7	22.2	21.0	20.7	24.5	24.8	25.1	36.6	42.0	46.1	50.0	57.5	46.3	83.9	20.7
29	69.3	74.6	77.7	76.5	77.3	74.0	69.4	49.5	37.6	32.6	27.8	22.2	23.1	26.1	23.9	25.5	31.1	38.7	41.1	40.6	55.5	65.4	69.5	77.8	50.3	77.8	22.2
30	82.2	88.0	88.8	91.8	92.6	86.9	77.3	66.5	49.1	43.5	43.0	39.3	35.1	33.3	29.8	30.0	28.6	27.0	31.3	43.0	49.7	56.8	60.8	66.5	55.9	92.6	27.0
Avg	81.0	84.1	86.6	87.5	88.4	85.5	80.8	70.5	58.7	53.2	49.3	46.3	44.9	44.0	43.5	47.3	47.7	48.3	50.3	56.5	65.7	72.1	74.2	76.5	64.4	91.8	36.0
Max	97.9	98.5	99.3	99.3	99.4	99.5	99.4	90.6	94.1	93.2	92.5	92.8	94.4	95.7	94.6	91.5	92.4	94.1	96.0	96.6	93.3	91.3	92.4	96.5	90.4	99.5	78.6
Min	33.8	34.2	43.6	44.5	51.5	50.0	47.3	45.3	35.8	26.1	14.6	14.3	16.2	22.2	21.0	20.7	20.8	20.7	24.6	31.0	39.7	46.0	50.0	34.7	43.0	69.6	14.3

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Precipitation (Inches)
April 2012

Day	<< Hour >> 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1																										
2																										
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										
13																										
14																										
15																										
16																										
17																										
18																										
19																										
20																										
21																										
22																										
23																										
24																										
25																										
26																										
27																										
28																										
29																										
30																			Ca	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Max																					0.000	0.000	0.000	0.000	0.000	0.000

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Precipitation (Inches)
May 2012

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.020	0.030	0.010	0.000	0.000	0.010	0.000	0.000	0.080	0.030
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.060	0.010	0.000	0.130	0.060
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.020
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.020	0.070	0.150	0.010	0.010	0.000	0.000	0.000	0.000	0.150	0.050	0.040	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.510	0.150
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.120	0.030	0.000	0.000	0.000	0.160	0.120
18	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.070
22	0.130	0.130	0.050	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.030	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.440	0.130
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.030
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.010
26	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.020	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.050	0.040	0.000	0.010	0.000	0.000	0.000	0.000	0.140	0.050
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.030	0.130	0.100	0.060	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.350	0.130
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.030	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.030
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.050	0.010	0.000	0.010	0.040	0.140	0.100	0.010	0.390	0.140
Tot	0.130	0.150	0.120	0.170	0.020	0.020	0.010	0.060	0.070	0.010	0.150	0.130	0.200	0.210	0.150	0.050	0.130	0.090	0.010	0.140	0.130	0.220	0.110	0.010	2.490	0.000
Max	0.130	0.130	0.070	0.150	0.010	0.010	0.010	0.030	0.030	0.010	0.150	0.050	0.130	0.100	0.070	0.030	0.050	0.040	0.010	0.120	0.060	0.140	0.100	0.010	0.510	0.150

Tintina
Black Butte Mine Met Tower Air Monitoring Summary
Precipitation (Inches)
June 2012

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.020	0.210	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.280	0.210
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.690	0.110	0.060	0.730	0.070	0.010	0.000	0.000	0.000	1.670	0.730
6	0.000	0.040	0.020	0.020	0.040	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.140	0.040
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.040	0.010	0.000	0.070	0.040
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.010	0.030	0.040	0.030	0.040	0.070	0.110	0.070	0.090	0.090	0.090	0.060	0.040	0.030	0.030	0.030	0.030	0.010	0.000	0.000	0.000	0.900	0.110
11	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.020	0.010
13	0.000	0.000	0.120	0.150	0.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.380	0.150
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	0.000	0.000
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw		
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw		
18	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw		
19	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw		
20	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw		
21	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw		
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw		
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw		
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw		
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.000	0.050	0.140	0.180	0.140	0.060	0.030	0.040	0.070	0.120	0.070	0.090	0.120	0.100	0.060	0.760	0.350	0.140	0.770	0.100	0.030	0.040	0.010	0.000	3.470	0.000
Max	0.000	0.040	0.120	0.150	0.070	0.040	0.030	0.040	0.070	0.110	0.070	0.090	0.090	0.090	0.060	0.690	0.210	0.060	0.730	0.070	0.010	0.040	0.010	0.000	1.670	0.730

TINTINA RESOURCES, INC.
BLACK BUTTE COPPER PROJECT
AMBIENT AIR
MONITORING PROGRAM
Quarterly Data Report
Third Quarter 2012

Prepared for:

Tintina Resources, Inc.
17 East Main St
White Sulphur Springs, MT 59645

Prepared by:

Bison Engineering, Inc.
1111 Maggie Lane
Billings, MT 59101
(406) 896-1716
http://www.bison-eng.com

November 15, 2012

CERTIFICATION OF DATA INTEGRITY

Bison Engineering, Inc., certifies the data in this report is an accurate summary of the air quality conditions measured at the Black Butte Copper Project air monitoring site. Every effort was made to obtain accurate and representative data and to comply with the procedures set forth in the *Quality Assurance Project Plan*, the *State of Montana Ambient Air Monitoring Program Quality Assurance Project Plan*, the Environmental Protection Agency's *Quality Assurance Handbook for Air Pollution Measurement Systems: Volume II, Ambient Air Specific Methods (April 1994)*, and EPA's *Quality Assurance Handbook for Air Pollution Measurement Systems, Volume II, Part 1, Ambient Air Quality Monitoring Program Quality System Development (March 1998).*

Preparer: Jeffrey S. Bell

Signature: _____

Title: Senior Field Technician

Date: _____

Reviewer: Rebecca L. Picchioni, P.E.

Signature: _____

Title: Project Engineer

Date: _____

TABLE OF CONTENTS

CERTIFICATION OF DATA INTEGRITY ii

1.0 INTRODUCTION 1

2.0 MONITORING SYSTEM OPERATIONS 3

3.0 CALIBRATION DATA 4

4.0 PERFORMANCE AUDIT DATA 5

5.0 DATA COMPLETENESS 6

6.0 MONITORING DATA 11

LIST OF TABLES

Table 1. Monthly Data Completeness 7
Table 2. Quarterly Data Completeness 10
Table 3. Missing Data Codes 12
Table 4. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 16
Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 17
Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 18
Table 7. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower 19

LIST OF FIGURES

Figure 1. Monitoring Site Location 1
Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower 17
Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower 18
Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower 19
Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower 20

APPENDICES

Appendix A: Meteorological Data

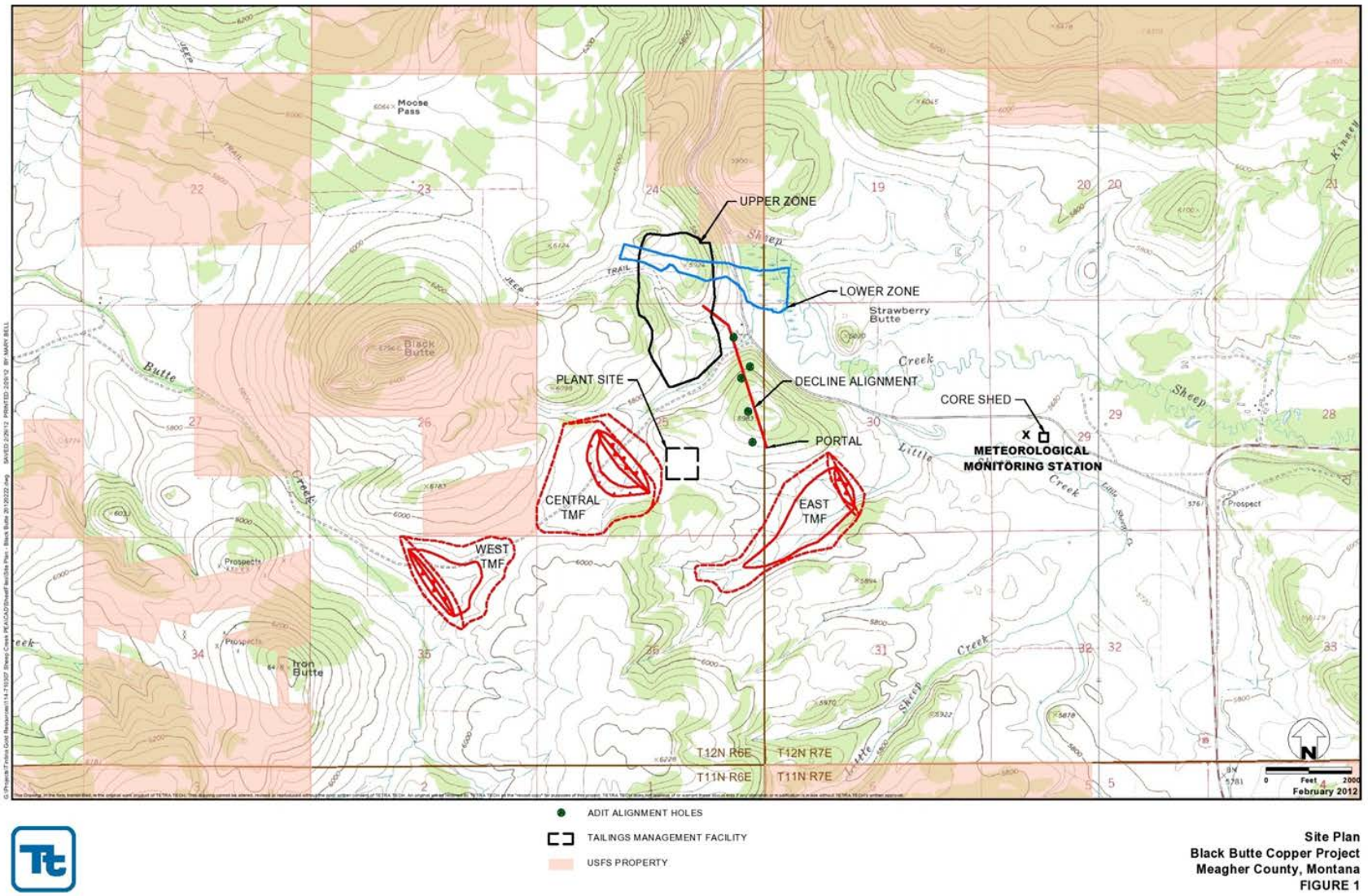
1.0 INTRODUCTION

Tintina Resources, Inc. established an ambient air monitoring site to measure wind speed, wind direction, standard deviation of wind direction, temperature at 9 meters and 2 meters, delta temperature, solar radiation, barometric pressure, and precipitation. The station was established to accurately characterize the local meteorology and collect baseline data in support of an operating permit application and various environmental studies.

The site of the meteorological monitoring system was installed in April 2012. The site is operated by Bison Engineering, Inc., of Helena and Billings. Figure 1 shows the location of the monitoring site.

This report presents the data collected during the third quarter (July through September) of 2012. In addition, a description of the monitoring system operations is presented, together with summaries of quality assurance activities, including calibrations and performance audits. Tabular summaries of the data completeness achieved and the periods of missing data also are presented. Appendix A presents hourly meteorological data collected.

Figure 1. Monitoring Site Location



2.0 MONITORING SYSTEM OPERATIONS

The installation of the monitoring meteorological system equipment took place in April 2012, soon after the equipment was received from the manufacturers. The installation and calibration of the equipment required about two weeks to complete. All meteorological parameters were in full operation and producing valid data by April 30, 2012.

3.0 CALIBRATION DATA

There were no calibrations performed during the third quarter.

4.0 PERFORMANCE AUDIT DATA

Don Milmine of Bison Engineering, Inc. (Bison) conducted performance audits of the meteorological system at the site during the third quarter. All of the system audits generally produced results within the recommended tolerance limits. The Bison report of the audits is presented in Appendix B.

5.0 DATA COMPLETENESS

The meteorological percentages of data recovery achieved during the third quarter of 2012 are given in Tables 1 and 2. In these tables, the number of possible data values during each month of the quarter is given, together with the number of valid readings and the number of hours spent on quality assurance activities (such as calibrations, performance audits, and maintenance on the sensors). The quality assurance hours are added to the number of hours of valid data to compute the net percentage data recovery.

During the third quarter, the net percentage data recovery was 100.0 percent for all meteorological parameters at Black Butte.

Table 1. Monthly Data Completeness

July 2012					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	744	100.0	0	100.0
Wind Direction	744	744	100.0	0	100.0
Standard Deviation	744	744	100.0	0	100.0
Temperature 9 Meters	744	744	100.0	0	100.0
Temperature 2 Meters	744	744	100.0	0	100.0
Temperature Delta T	744	744	100.0	0	100.0
Solar Radiation	744	744	100.0	0	100.0
Barometric Pressure	744	744	100.0	0	100.0
Relative Humidity	744	744	100.0	0	100.0
Precipitation	744	744	100.0	0	100.0
Total	7,440	7,440	100.0	0	100.0

Table 1. Monthly Data Completeness (Continued)

August 2012					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	740	99.5	4	100.0
Wind Direction	744	740	99.5	4	100.0
Standard Deviation	744	740	99.5	4	100.0
Temperature 9 Meters	744	740	99.5	4	100.0
Temperature 2 Meters	744	740	99.5	4	100.0
Temperature Delta T	744	740	99.5	4	100.0
Solar Radiation	744	740	99.5	4	100.0
Barometric Pressure	744	740	99.5	4	100.0
Relative Humidity	744	740	99.5	4	100.0
Precipitation	744	740	99.5	4	100.0
Total	7,440	7,400	99.5	40	100.0

Table 1. Monthly Data Completeness (Continued)

September 2012					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	720	720	100.0	0	100.0
Wind Direction	720	720	100.0	0	100.0
Standard Deviation	720	720	100.0	0	100.0
Temperature 9 Meters	720	720	100.0	0	100.0
Temperature 2 Meters	720	720	100.0	0	100.0
Temperature Delta T	720	720	100.0	0	100.0
Solar Radiation	720	720	100.0	0	100.0
Barometric Pressure	720	720	100.0	0	100.0
Relative Humidity	720	720	100.0	0	100.0
Precipitation	720	720	100.0	0	100.0
Total	7,200	7,200	100.0	0	100.0

Table 2. Quarterly Data Completeness

Third Quarter 2012					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	2,208	2,204	99.8	4	100.0
Wind Direction	2,208	2,204	99.8	4	100.0
Standard Deviation	2,208	2,204	99.8	4	100.0
Temperature 9 Meters	2,208	2,204	99.8	4	100.0
Temperature 2 Meters	2,208	2,204	99.8	4	100.0
Temperature Delta T	2,208	2,204	99.8	4	100.0
Solar Radiation	2,208	2,204	99.8	4	100.0
Barometric Pressure	2,208	2,204	99.8	4	100.0
Relative Humidity	2,208	2,204	99.8	4	100.0
Precipitation	2,208	2,204	99.8	4	100.0
Total	22,080	22,040	99.8	40	100.0

6.0 MONITORING DATA

The hourly data values collected at the monitoring sites are given in the data tables in Appendix A. Each of these tables presents one month's data for all parameters in the monitoring system. In addition, the average, maximum, and minimum values for each parameter for each day are listed (for wind direction, the prevailing wind direction for the day is given). For those hours with missing data, a code is given that explains the reason the data were missing. These codes are given in Table 3.

Monthly and quarterly wind rose distributions from the monitoring site are presented in Tables 4 through 7. These tables give the percentage frequency of occurrence of winds from 16 cardinal directions and from 22 wind speed ranges. These same data are presented graphically in Figures 2 through 5. In the wind rose figures, the length of each "petal" of the rose is proportional to the percentage of time the wind blew from that direction. On the bottom of each figure is a histogram showing the average wind speed from each of the cardinal wind directions.

Table 3. Missing Data Codes

Mnemonic Code	Description	Equivalent EPA Null Value Reason Code
Sc	Scheduled but not collected	9972
Ti	Sample time out of limits	9973
Fi	Filter damage	9976
Op	Voided by operator	9978
ND	Machine malfunction	9980
Wx	Bad weather	9981
Co	Collection error	9983
Lb	Lab error	9984
QA	Poor quality assurance results	9985
Pwr	Power failure	9988
Wi	Wildlife damage	9989
AZ	Automatic zero/span check	9991
ZS	Manual zero/span check	9986
Au	Performance audit	9992
Ma	Routine maintenance/repairs	9993
Ca	Multipoint calibration	9995
PZ	Precision/zero/span	9998

Table 4. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

July 2012																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.6	0.7	1.7	1.2	1.3	0.9	0.8	0.8	0.4	0.0	0.1	0.4	0.1	0.3	1.9	1.1	13.4
	1.1 - 2.0	1.3	1.5	2.7	3.1	3.0	3.2	4.0	1.5	0.5	0.5	0.5	0.8	0.9	1.7	1.7	2.2	29.3
	2.1 - 3.0	0.5	0.5	0.9	2.4	3.8	2.3	1.6	1.5	0.8	0.8	0.4	0.5	1.5	1.1	2.7	0.8	22.2
	3.1 - 4.0	0.4	0.1	0.0	2.2	1.7	0.4	0.7	0.8	0.5	0.7	0.5	0.5	0.9	2.3	0.9	0.4	13.2
	4.1 - 5.0	0.1	0.1	0.3	0.8	0.4	0.0	0.9	0.5	0.5	1.2	0.5	0.8	1.5	2.0	0.9	0.0	10.8
	5.1 - 6.0	0.3	0.1	0.0	0.5	0.1	0.3	0.4	0.8	0.5	0.1	1.1	0.8	0.7	0.4	0.4	0.0	6.6
	6.1 - 7.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.4	0.0	0.3	0.1	0.1	0.5	0.5	0.0	0.0	2.4
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.3	0.4	0.4	0.0	0.0	1.3
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.5
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	4.3	3.2	5.6	10.2	10.5	7.1	9.0	6.5	3.5	3.6	3.4	4.3	6.7	9.0	8.6	4.4	100.0
	Average Speed	1.9	2.1	1.6	2.5	2.4	1.9	2.7	3.1	3.4	3.7	4.0	3.6	4.0	3.7	2.4	1.7	2.8

Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

August 2012																	
Direction>>>		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	2.3	1.6	1.9	1.1	1.5	1.5	0.9	0.3	0.1	0.0	0.3	0.3	0.1	0.9	0.7	1.6	15.1
	1.1 - 2.0	0.9	1.1	2.8	4.6	6.0	4.2	2.8	1.1	0.3	0.3	0.1	0.8	0.8	0.5	0.5	0.7	27.6
	2.1 - 3.0	0.3	0.4	1.1	1.9	3.4	2.0	1.1	0.3	0.4	0.3	0.1	0.8	1.7	1.5	1.6	1.2	18.0
	3.1 - 4.0	0.3	0.1	0.1	1.3	1.9	0.5	1.1	0.8	0.3	0.5	0.1	1.1	1.5	1.9	1.7	1.2	14.5
	4.1 - 5.0	0.4	0.1	0.1	0.0	0.4	0.3	0.8	0.7	0.1	0.7	0.1	0.5	1.6	1.7	1.6	0.4	9.7
	5.1 - 6.0	0.1	0.1	0.0	0.0	0.0	0.0	1.1	0.3	0.1	0.3	0.3	0.1	0.5	1.6	1.1	0.1	5.8
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.0	0.3	0.0	0.3	1.5	1.3	0.9	0.0	5.1
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.5	0.7	0.5	0.1	2.4
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.1	0.0	0.0	0.8
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.1	0.5
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm																		0.0
Total		4.3	3.5	6.0	8.9	13.2	8.5	8.5	3.8	1.3	2.3	1.2	4.0	9.7	10.6	8.7	5.5	100.0
Average Speed		1.7	1.7	1.6	1.9	2.0	1.8	3.0	3.4	2.6	4.2	3.6	3.3	5.0	4.4	4.0	2.7	3.0

Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

September 2012																	
Direction>>>		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	2.9	3.3	2.9	3.2	2.2	2.6	1.0	0.4	0.4	0.1	0.1	0.1	0.3	0.6	0.7	1.0	21.9
	1.1 - 2.0	0.8	0.7	3.2	3.9	7.4	5.0	2.8	0.8	0.0	0.3	0.4	0.4	0.0	0.7	0.6	0.7	27.6
	2.1 - 3.0	0.3	0.1	1.0	2.2	3.2	2.9	0.6	0.3	0.6	0.1	0.4	1.1	1.4	1.0	1.0	0.1	16.3
	3.1 - 4.0	0.0	0.3	0.1	0.4	1.7	0.4	0.3	0.4	0.0	0.1	0.4	1.1	2.4	1.5	0.6	0.4	10.1
	4.1 - 5.0	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.3	0.6	0.0	0.6	0.7	1.7	1.8	1.1	0.1	7.4
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.0	0.1	0.0	0.7	2.2	1.8	1.0	0.1	6.5
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.1	0.0	1.5	1.1	0.6	1.0	0.0	5.4
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.8	1.9	0.7	0.3	0.0	4.2
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.6
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm																		0.0
Total		4.2	4.6	7.2	9.7	14.6	11.0	5.6	3.5	1.5	1.1	1.9	6.7	11.1	8.8	6.1	2.5	100.0
Average Speed		1.1	1.2	1.4	1.5	1.8	1.7	2.3	3.8	2.8	3.9	3.0	4.8	5.0	4.3	4.0	2.0	2.7

Table 7. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower

Third Quarter 2012																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	2.3	1.9	2.2	1.8	1.7	1.7	0.9	0.5	0.3	0.0	0.2	0.3	0.2	0.6	1.1	1.2	16.8
	1.1 - 2.0	1.0	1.1	2.9	3.8	5.4	4.1	3.2	1.1	0.3	0.4	0.4	0.7	0.6	1.0	1.0	1.2	28.2
	2.1 - 3.0	0.4	0.4	1.0	2.2	3.4	2.4	1.1	0.7	0.6	0.4	0.3	0.8	1.5	1.2	1.8	0.7	18.8
	3.1 - 4.0	0.2	0.2	0.1	1.3	1.8	0.5	0.7	0.7	0.3	0.5	0.4	0.9	1.6	1.9	1.1	0.7	12.6
	4.1 - 5.0	0.2	0.1	0.1	0.3	0.3	0.1	0.6	0.5	0.4	0.6	0.4	0.7	1.6	1.9	1.2	0.2	9.3
	5.1 - 6.0	0.1	0.1	0.0	0.2	0.0	0.1	0.6	0.4	0.2	0.2	0.5	0.5	1.1	1.3	0.8	0.1	6.3
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.0	0.2	0.0	0.6	1.0	0.8	0.6	0.0	4.3
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.4	1.0	0.6	0.3	0.0	2.6
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.6
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	4.3	3.8	6.3	9.6	12.7	8.8	7.7	4.6	2.1	2.4	2.2	5.0	9.1	9.5	7.8	4.2	100.0
	Average Speed	1.6	1.6	1.5	2.0	2.1	1.8	2.7	3.3	3.1	3.9	3.6	4.1	4.7	4.2	3.4	2.2	2.8

Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower

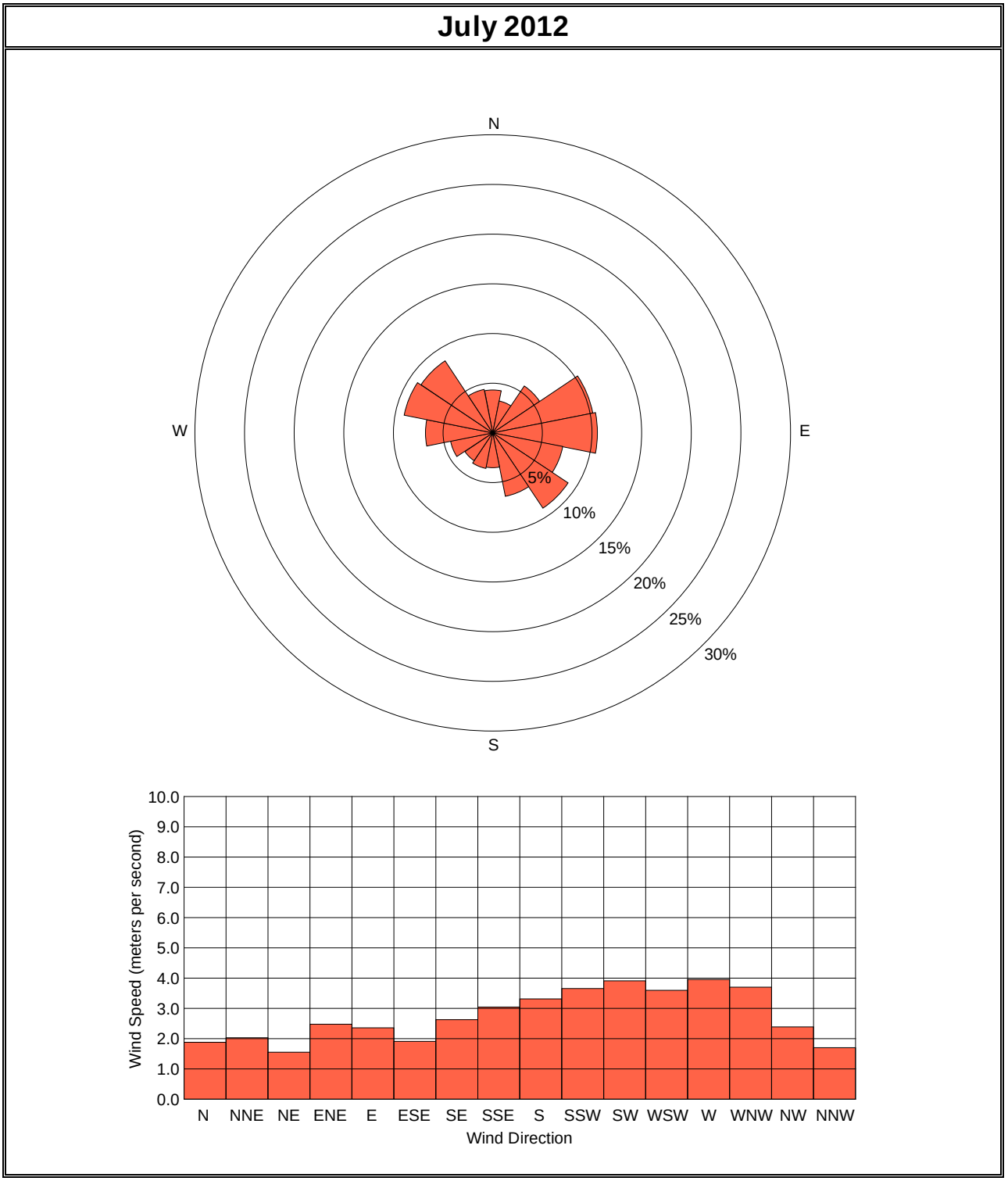


Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower

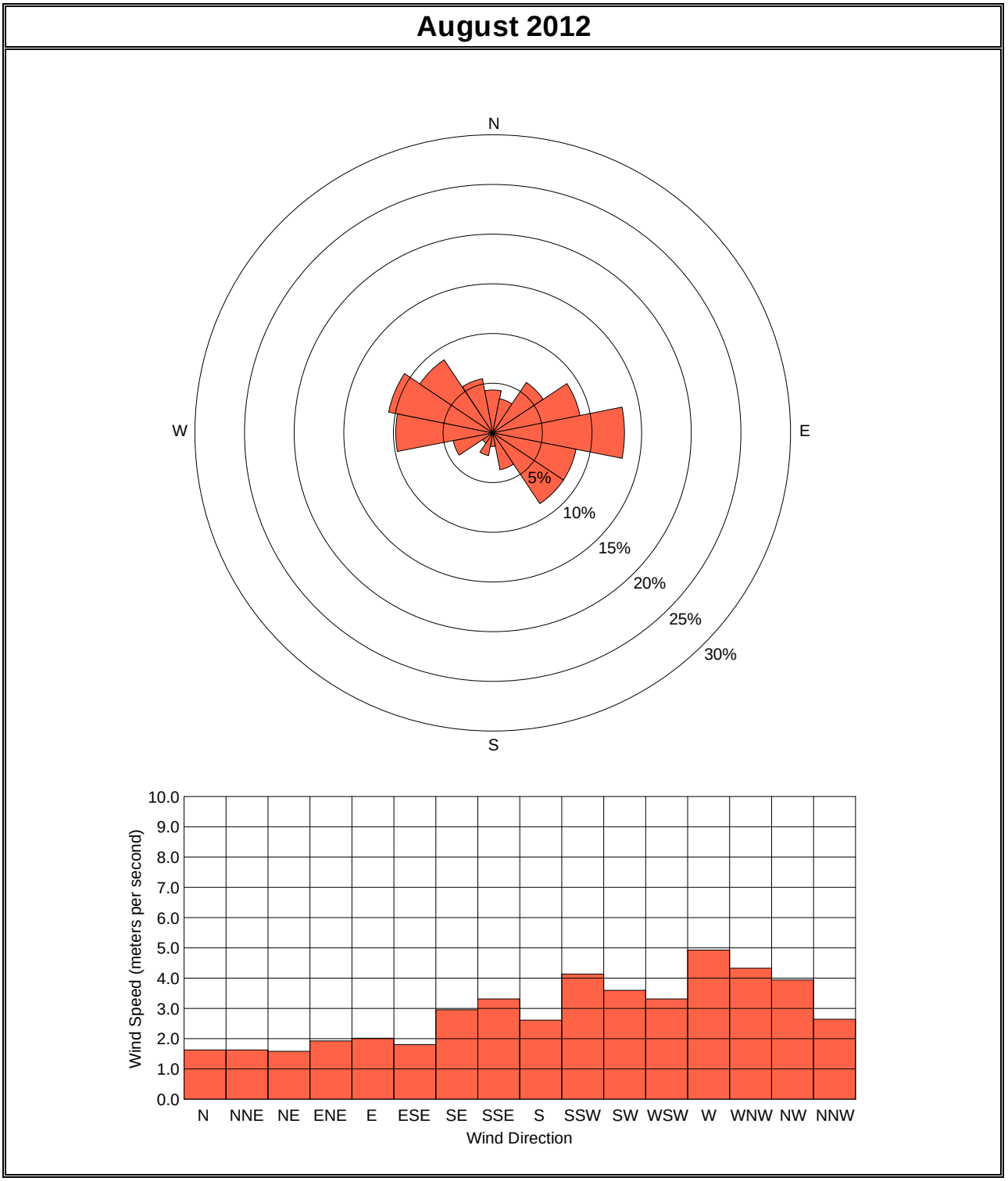


Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower

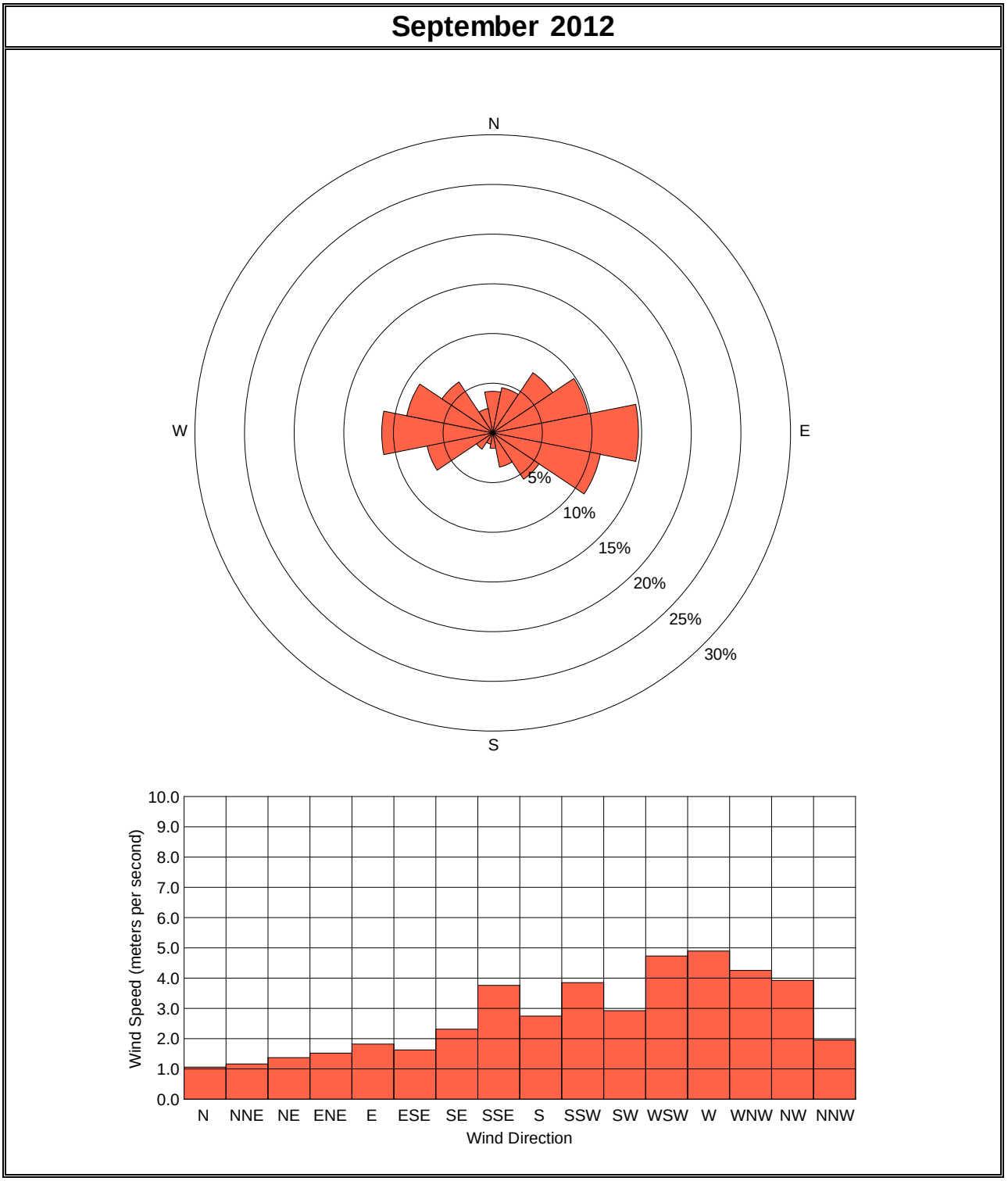
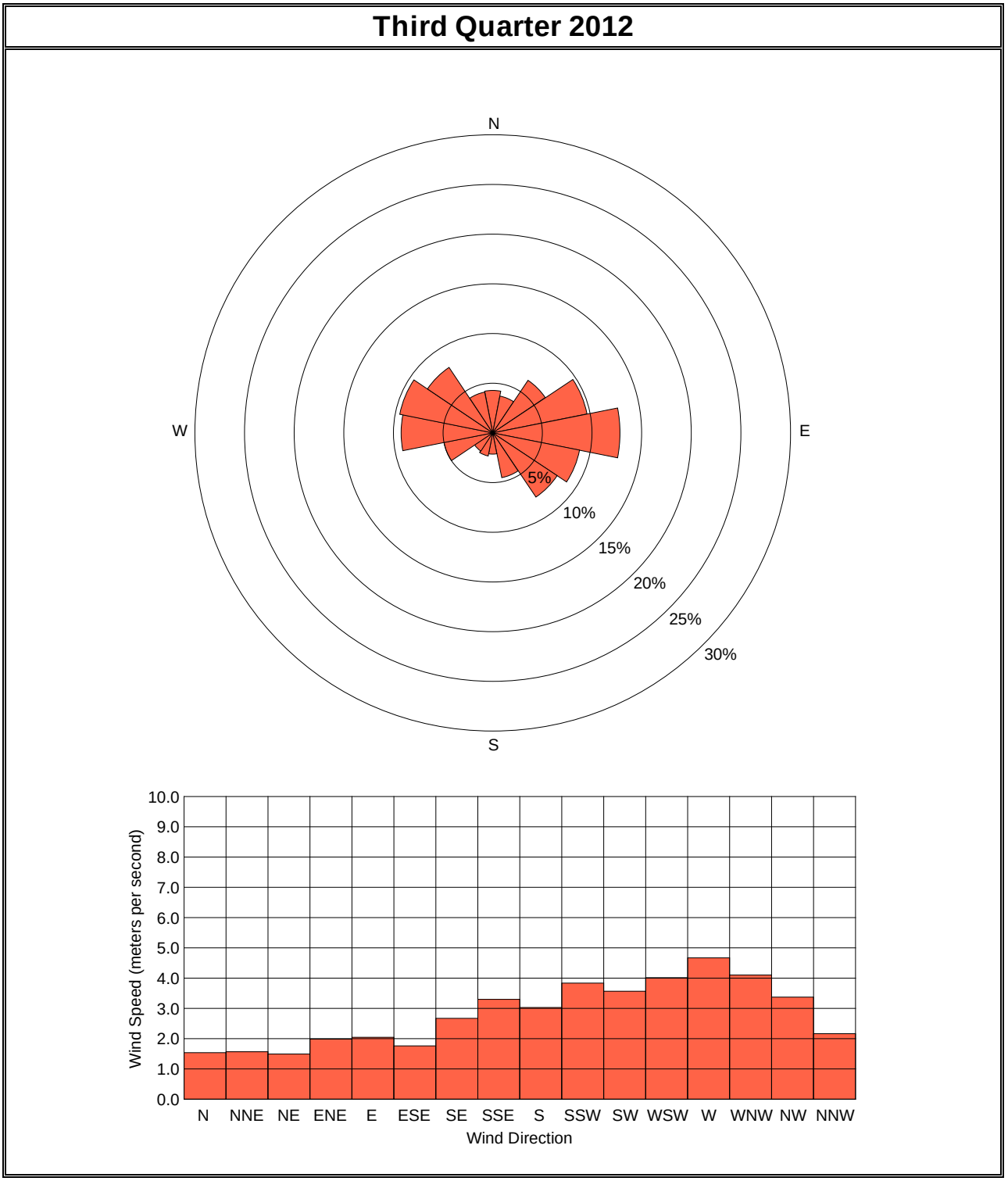


Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower



APPENDIX A: HOURLY AIR QUALITY AND METEOROLOGICAL DATA, THIRD QUARTER 2012

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
July 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	2.8	8.7	5.9	2.4	2.0	1.4	2.3	1.5	2.7	4.3	4.6	2.9	4.3	7.1	6.0	3.7	5.5	5.9	8.3	4.2	2.5	3.5	3.6	2.4	4.1	8.7	1.4
2	2.0	1.4	1.0	1.1	0.9	1.7	1.1	0.9	1.3	2.9	3.1	3.1	2.2	1.9	3.3	4.1	3.1	4.2	3.8	4.3	2.1	1.5	5.9	9.3	2.8	9.3	0.9
3	9.8	6.0	1.6	2.2	2.3	2.8	3.4	5.6	5.7	7.0	7.7	7.5	6.3	4.9	4.4	4.2	4.8	5.6	7.1	5.3	4.7	7.0	5.6	6.3	5.3	9.8	1.6
4	4.0	1.6	1.3	1.7	2.2	1.4	1.3	3.5	4.5	3.5	3.3	2.9	3.8	3.7	3.8	3.2	3.2	2.5	3.0	1.4	2.4	1.3	1.5	1.8	2.6	4.5	1.3
5	1.1	0.9	1.0	0.9	1.1	0.7	0.7	1.7	5.2	2.9	2.4	1.4	1.5	2.5	5.0	5.6	6.5	7.6	5.9	3.6	2.6	2.9	3.2	2.2	2.9	7.6	0.7
6	2.8	1.8	1.4	1.5	0.9	0.9	1.2	0.9	1.9	2.2	2.3	1.3	2.2	3.0	1.9	1.9	4.6	3.3	3.6	2.8	2.4	2.3	2.7	1.7	2.1	4.6	0.9
7	1.2	2.2	1.2	1.0	1.5	1.3	1.5	3.8	3.0	4.5	2.8	3.9	2.9	2.0	2.5	2.9	3.4	1.9	2.7	3.2	3.6	3.1	3.8	2.2	2.6	4.5	1.0
8	1.7	2.4	2.5	1.5	1.4	1.2	0.8	0.8	1.2	1.2	2.7	3.9	3.6	3.0	4.3	3.2	3.6	2.6	5.4	4.8	4.5	5.5	5.7	4.4	3.0	5.7	0.8
9	5.3	3.7	3.3	2.7	2.1	2.0	0.9	0.6	0.8	1.0	1.4	1.9	1.5	2.7	2.8	2.3	3.4	2.8	3.2	3.8	3.7	2.6	3.5	4.9	2.6	5.3	0.6
10	2.1	2.1	2.0	2.2	1.1	1.4	0.9	0.8	1.6	3.2	5.2	2.8	3.3	5.0	4.4	4.1	2.6	1.9	5.6	7.2	1.5	1.2	1.6	1.9	2.7	7.2	0.8
11	2.6	2.0	1.2	1.4	1.4	1.6	1.5	1.8	0.9	1.7	2.1	3.0	3.9	3.4	2.2	2.3	2.6	5.1	2.5	1.4	1.7	2.3	2.1	2.6	2.2	5.1	0.9
12	2.6	2.4	2.2	1.8	1.8	1.3	1.0	0.7	0.9	1.2	2.7	3.2	4.5	2.7	3.0	3.3	2.5	1.8	1.3	1.0	2.8	3.5	2.4	1.7	2.2	4.5	0.7
13	0.8	0.9	0.6	0.6	0.6	1.0	1.8	2.6	1.2	1.6	3.5	2.0	2.7	1.8	2.6	2.4	3.2	2.7	2.1	6.7	6.3	2.9	2.1	0.9	2.2	6.7	0.6
14	0.8	1.1	1.2	1.3	1.2	0.7	1.0	0.9	0.7	1.0	2.6	5.3	4.9	4.9	4.6	3.7	2.4	1.4	1.3	1.7	3.5	2.2	1.8	1.7	2.2	5.3	0.7
15	1.2	1.1	1.1	0.7	0.8	0.8	1.2	1.6	1.5	1.2	2.8	3.3	3.8	5.2	6.9	4.1	4.1	5.1	2.9	2.1	1.4	1.3	2.2	2.6	2.5	6.9	0.7
16	1.8	1.4	2.4	1.3	1.3	0.7	1.0	0.9	1.0	1.5	1.8	1.5	2.3	2.1	4.5	4.6	5.4	3.0	2.3	1.6	1.3	0.9	0.8	0.6	1.9	5.4	0.6
17	0.6	0.8	0.6	0.6	1.2	1.1	0.6	2.5	3.5	3.3	4.8	4.9	5.4	6.0	5.2	4.1	4.1	4.3	2.7	3.9	2.8	5.2	4.3	3.6	3.2	6.0	0.6
18	3.0	2.6	2.6	2.6	2.5	1.7	1.2	0.7	1.4	3.5	2.9	4.7	5.8	4.7	5.0	5.5	4.3	5.4	5.0	2.8	2.2	2.1	3.1	2.2	3.2	5.8	0.7
19	3.1	2.3	1.1	2.0	1.2	1.2	1.0	0.7	0.7	1.7	3.5	2.6	2.8	3.6	3.0	3.1	2.2	0.8	1.3	2.0	3.7	3.4	3.6	2.4	2.2	3.7	0.7
20	1.5	0.7	0.7	1.6	1.8	1.8	1.7	1.4	1.5	3.2	3.5	4.5	4.3	4.3	4.0	3.7	4.4	7.4	4.6	5.0	3.6	1.4	1.9	1.9	2.9	7.4	0.7
21	2.2	1.1	0.7	1.9	1.3	1.1	0.7	0.7	1.1	1.8	2.0	4.7	5.4	5.4	4.6	4.7	4.7	4.5	3.4	4.1	2.8	1.4	1.7	1.2	2.6	5.4	0.7
22	1.2	1.3	1.0	0.8	1.2	1.1	1.0	0.9	1.9	2.7	1.7	2.1	1.7	2.1	3.2	3.8	3.0	4.6	4.6	3.9	3.5	2.7	1.4	3.4	2.3	4.6	0.8
23	1.8	1.5	1.2	1.9	2.3	3.6	3.1	2.6	4.1	4.6	4.9	5.7	6.9	6.4	4.7	4.2	6.2	4.6	3.3	1.9	1.7	2.1	1.9	1.0	3.4	6.9	1.0
24	1.7	4.8	1.7	2.6	1.7	1.3	1.1	1.3	5.2	5.5	6.9	8.3	7.0	8.2	7.8	7.3	7.0	6.2	6.0	4.1	1.3	3.6	3.4	1.1	4.4	8.3	1.1
25	2.8	1.8	1.0	1.0	0.9	0.9	0.8	0.7	1.3	4.0	3.8	4.1	4.8	4.1	4.0	4.2	4.6	3.8	5.4	6.8	2.4	0.7	1.1	1.2	2.8	6.8	0.7
26	1.1	1.2	0.7	0.7	1.1	1.1	1.0	0.7	1.1	2.4	2.3	2.1	3.1	3.0	1.9	5.1	3.0	2.4	1.8	1.1	2.1	2.3	1.2	1.2	1.8	5.1	0.7
27	1.4	1.2	0.7	0.9	1.2	1.3	0.9	1.6	4.3	2.6	2.0	2.0	1.5	2.4	2.9	1.7	1.6	0.9	7.6	4.9	3.2	5.6	2.1	2.1	2.4	7.6	0.7
28	2.7	2.7	2.4	2.9	1.5	2.9	1.3	1.1	0.8	1.0	1.1	2.3	2.6	3.6	5.1	5.8	5.5	5.1	6.9	5.1	1.6	2.8	1.3	1.8	2.9	6.9	0.8
29	2.3	3.4	2.0	2.4	1.8	1.1	1.5	0.8	0.6	1.3	1.5	2.7	3.1	2.8	2.8	3.3	2.4	2.5	4.3	4.4	1.5	3.0	2.2	1.0	2.3	4.4	0.6
30	1.2	1.6	2.5	1.7	0.9	1.3	0.8	0.8	0.8	1.1	2.4	2.8	3.9	4.1	4.8	5.7	4.8	4.5	1.7	3.7	3.2	1.7	1.3	1.9	2.5	5.7	0.8
31	1.3	0.8	1.0	1.0	0.9	1.0	0.8	0.7	0.8	1.3	3.1	3.9	5.0	5.5	6.2	5.2	4.6	3.4	2.5	1.9	2.9	1.9	1.2	2.0	2.5	6.2	0.7
Avg	2.3	2.2	1.6	1.6	1.4	1.4	1.3	1.5	2.0	2.6	3.1	3.5	3.8	3.9	4.1	4.0	4.0	3.8	3.9	3.6	2.8	2.7	2.6	2.4	2.8	6.2	0.8
Max	9.8	8.7	5.9	2.9	2.5	3.6	3.4	5.6	5.7	7.0	7.7	8.3	7.0	8.2	7.8	7.3	7.0	7.6	8.3	7.2	6.3	7.0	5.9	9.3	5.3	9.8	1.6
Min	0.6	0.7	0.6	0.6	0.6	0.7	0.6	0.6	0.6	1.0	1.1	1.3	1.5	1.8	1.9	1.7	1.6	0.8	1.3	1.0	1.3	0.7	0.8	0.6	1.8	3.7	0.6

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
August 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.3	1.6	2.4	1.4	1.4	0.8	0.9	0.9	1.0	1.9	4.2	4.2	3.9	3.9	3.2	2.9	3.2	3.5	3.1	2.1	3.0	2.2	1.9	2.2	2.4	4.2	0.8
2	1.3	1.2	1.9	1.1	0.9	1.0	0.7	0.8	2.3	4.6	6.7	7.7	6.5	6.7	7.0	6.4	5.7	4.9	4.3	5.1	4.7	3.5	2.6	3.0	3.8	7.7	0.7
3	2.9	3.0	3.5	4.6	2.5	1.4	1.3	3.5	5.4	5.3	5.4	6.7	7.1	6.7	7.0	7.7	7.2	7.1	6.5	6.1	3.4	1.6	1.8	1.3	4.5	7.7	1.3
4	1.2	1.2	1.2	0.9	1.2	0.8	1.0	0.9	1.5	1.9	1.9	2.5	2.3	2.3	2.6	2.5	2.5	1.7	0.8	1.2	3.2	2.0	1.4	1.4	1.7	3.2	0.8
5	1.4	1.7	2.6	2.3	2.2	1.8	1.3	0.7	0.8	1.4	2.5	3.3	3.7	4.2	3.8	4.3	4.4	3.0	2.2	2.8	2.4	2.8	1.8	1.6	2.5	4.4	0.7
6	0.9	0.9	1.7	1.4	1.6	1.3	0.9	1.2	1.0	1.2	1.6	2.8	4.3	4.5	5.0	6.4	7.1	3.9	1.9	4.0	1.9	2.2	1.9	1.9	2.6	7.1	0.9
7	2.2	2.0	2.1	0.8	1.1	1.0	0.7	0.7	0.9	4.0	5.2	5.5	5.8	7.5	8.3	7.3	6.7	5.2	4.5	1.4	1.9	1.8	2.1	1.7	3.4	8.3	0.7
8	1.6	1.0	1.3	1.1	0.8	1.1	1.1	0.7	2.1	4.9	4.5	3.9	4.4	5.6	5.2	6.2	5.8	3.3	2.0	5.1	4.3	5.5	2.8	0.9	3.1	6.2	0.7
9	1.5	1.2	0.9	1.1	1.0	1.2	0.9	0.6	0.8	2.5	1.9	1.8	2.8	2.9	2.8	2.7	2.5	2.3	1.0	3.1	3.6	2.0	1.8	1.5	1.9	3.6	0.6
10	2.0	1.5	2.1	5.1	4.1	2.9	2.3	3.0	2.6	3.4	3.7	3.3	4.8	3.8	4.0	5.0	4.4	2.1	2.4	1.7	1.9	3.4	2.2	5.0	3.2	5.1	1.5
11	1.9	3.5	1.5	2.1	3.7	2.7	1.3	1.2	0.8	2.9	3.6	4.9	5.3	5.5	5.4	4.1	2.6	2.0	3.2	2.0	2.9	4.1	1.6	0.7	2.9	5.5	0.7
12	0.7	0.6	1.1	0.9	0.9	0.6	0.6	1.9	5.1	6.2	6.3	4.3	4.2	3.4	2.7	2.8	2.6	3.2	4.2	3.5	1.2	3.1	4.1	2.0	2.8	6.3	0.6
13	2.4	1.6	1.6	1.6	3.1	1.9	0.9	0.8	0.8	4.3	4.4	5.0	6.0	5.3	4.3	3.7	4.0	3.3	1.8	1.9	3.1	1.6	1.7	1.8	2.8	6.0	0.8
14	1.4	1.2	1.3	1.4	1.5	1.2	0.9	0.7	2.8	7.4	6.4	6.7	6.9	8.3	6.7	6.6	8.4	8.0	7.2	4.4	7.9	9.1	6.9	5.7	5.0	9.1	0.7
15	5.0	4.8	4.6	4.8	4.2	3.5	3.2	3.0	3.9	4.3	4.0	3.4	3.8	3.9	4.2	3.6	3.1	2.9	2.8	2.3	1.4	2.5	1.9	1.4	3.4	5.0	1.4
16	3.2	1.7	1.2	2.7	3.9	3.8	3.6	4.1	3.7	3.7	2.8	2.4	2.2	3.1	3.9	3.0	2.8	2.1	2.5	3.1	2.0	2.0	1.7	0.9	2.8	4.1	0.9
17	0.9	1.6	1.3	1.2	1.2	1.2	0.6	0.6	0.7	2.2	2.6	2.8	2.8	3.9	5.0	5.7	5.6	4.7	5.5	3.1	2.1	1.3	1.3	1.1	2.5	5.7	0.6
18	1.7	1.9	1.4	1.0	1.3	0.7	1.1	0.6	0.7	1.4	1.9	2.9	2.6	3.2	2.9	1.9	2.3	4.8	5.7	2.9	3.6	3.5	2.7	2.0	2.3	5.7	0.6
19	1.5	1.4	1.0	1.0	0.7	1.1	1.0	0.7	0.8	2.0	2.4	1.9	3.3	3.6	3.9	3.1	3.6	3.1	1.4	1.9	2.7	2.7	3.4	3.1	2.1	3.9	0.7
20	2.6	1.8	0.8	0.4	0.6	0.9	0.5	0.8	0.6	1.4	2.1	3.8	4.7	4.2	4.9	4.5	4.0	3.1	2.7	3.6	2.0	1.7	1.3	0.9	2.2	4.9	0.4
21	0.8	1.3	1.1	1.9	2.1	2.4	1.7	0.8	0.7	Au	Au	Au	Au	4.4	4.7	4.8	6.7	2.8	1.9	6.7	3.3	2.0	1.3	2.8	2.7	6.7	0.7
22	2.9	2.6	2.7	2.1	2.4	2.7	1.6	1.0	0.6	2.1	4.9	5.6	7.2	8.7	8.1	7.7	6.6	5.5	3.4	1.7	2.6	3.3	1.9	2.5	3.8	8.7	0.6
23	1.6	1.4	1.6	1.0	1.3	0.6	0.9	0.8	0.5	1.2	4.7	5.2	6.4	6.6	5.6	3.8	2.1	3.0	1.2	2.3	2.0	2.1	1.9	1.3	2.5	6.6	0.5
24	0.7	1.2	0.9	1.9	1.1	1.2	0.9	0.7	3.6	6.8	10.1	9.0	9.2	10.1	10.6	10.1	9.9	9.4	6.4	5.4	2.2	1.9	2.1	2.0	4.9	10.6	0.7
25	1.9	1.2	1.3	1.0	1.2	1.0	1.3	0.7	1.2	3.9	4.3	4.9	3.8	4.6	4.2	4.5	5.3	4.6	2.0	1.7	3.4	1.9	1.3	2.7	2.7	5.3	0.7
26	1.6	2.5	1.8	0.9	1.0	0.8	0.7	0.8	3.1	5.2	7.1	6.8	5.1	4.7	4.1	4.0	5.9	5.6	2.3	3.4	2.5	2.4	1.4	1.4	3.1	7.1	0.7
27	1.6	3.1	2.5	2.2	1.5	1.4	0.8	1.1	2.2	2.4	3.2	3.6	3.9	4.5	4.0	2.6	6.4	3.2	4.3	2.7	2.3	2.5	2.4	1.4	2.7	6.4	0.8
28	1.5	1.2	1.0	0.8	0.5	1.5	1.6	0.8	0.8	2.0	3.3	4.9	6.1	7.1	5.8	5.7	6.2	5.5	4.0	2.3	1.6	1.6	1.2	1.7	2.9	7.1	0.5
29	2.0	3.2	2.5	2.6	1.4	1.2	1.2	1.1	2.8	4.6	6.5	6.6	7.4	6.7	6.8	5.6	5.4	4.5	3.5	2.1	1.4	2.1	1.7	1.2	3.5	7.4	1.1
30	1.8	0.8	0.7	0.9	1.0	1.1	0.4	1.1	0.8	4.3	3.8	3.6	5.0	3.8	4.5	3.6	3.4	1.8	3.0	3.4	3.4	2.0	1.1	0.8	2.3	5.0	0.4
31	1.1	1.0	1.2	1.0	0.9	0.9	1.6	0.9	0.8	0.8	4.2	3.4	5.5	5.7	3.6	3.0	6.1	7.9	6.3	3.6	2.1	2.2	4.0	2.2	2.9	7.9	0.8
Avg	1.8	1.8	1.7	1.7	1.7	1.5	1.2	1.2	1.8	3.3	4.2	4.4	4.9	5.1	5.0	4.7	4.9	4.1	3.4	3.1	2.8	2.7	2.2	1.9	3.0	6.2	0.8
Max	5.0	4.8	4.6	5.1	4.2	3.8	3.6	4.1	5.4	7.4	10.1	9.0	9.2	10.1	10.6	10.1	9.9	9.4	7.2	6.7	7.9	9.1	6.9	5.7	5.0	10.6	1.5
Min	0.7	0.6	0.7	0.4	0.5	0.6	0.4	0.6	0.5	0.8	1.6	1.8	2.2	2.3	2.6	1.9	2.1	1.7	0.8	1.2	1.2	1.3	1.1	0.7	1.7	3.2	0.4

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
September 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	3.5	3.5	3.2	1.4	2.1	3.1	2.6	2.7	3.9	4.5	5.4	3.9	4.7	6.9	7.2	2.7	3.0	3.4	3.0	3.3	2.6	2.4	1.5	1.7	3.4	7.2	1.4
2	1.5	1.9	1.4	1.7	1.3	1.1	1.4	0.7	0.9	3.8	5.2	6.6	7.2	7.5	7.5	7.2	6.1	4.5	3.1	2.0	1.7	2.4	2.1	2.8	3.4	7.5	0.7
3	2.4	2.2	1.9	1.5	1.1	1.6	1.3	1.8	4.1	7.4	6.3	6.5	7.0	6.7	7.1	6.5	6.1	4.8	2.7	2.1	3.7	1.9	1.2	1.0	3.7	7.4	1.0
4	0.9	1.0	0.8	0.8	1.5	2.2	1.1	0.9	1.7	5.7	7.8	7.8	6.8	6.0	7.3	7.0	6.1	5.6	4.1	1.7	3.1	2.5	1.7	1.5	3.6	7.8	0.8
5	1.0	0.9	0.7	0.9	0.7	0.8	1.5	0.6	2.0	6.0	6.7	7.1	6.4	5.8	6.0	5.8	5.3	5.0	4.3	2.3	3.4	1.8	1.6	1.2	3.2	7.1	0.6
6	1.5	1.6	1.5	1.8	1.5	0.9	1.1	0.9	2.3	1.8	3.4	2.6	2.7	2.3	4.9	3.8	3.3	3.6	2.7	1.9	3.0	1.5	2.0	1.5	2.3	4.9	0.9
7	1.1	1.2	2.5	1.5	0.8	0.7	1.0	0.9	0.7	1.4	3.5	3.9	3.6	3.4	2.8	2.4	3.2	2.9	2.3	3.2	2.9	2.7	2.8	1.5	2.2	3.9	0.7
8	1.7	1.4	1.3	1.1	1.2	1.3	1.6	0.6	0.7	2.1	2.7	3.7	2.9	3.4	3.4	2.3	3.1	2.8	1.9	2.5	3.0	2.7	2.5	1.5	2.1	3.7	0.6
9	0.8	1.0	1.3	1.1	1.4	1.3	1.3	0.9	0.6	3.3	4.1	4.8	4.3	4.8	4.6	4.5	8.5	4.9	2.4	1.5	1.3	1.7	2.2	2.2	2.7	8.5	0.6
10	1.6	1.4	1.2	1.3	1.4	1.3	1.0	1.0	1.3	5.8	5.8	6.5	7.2	7.3	8.8	7.7	7.0	6.1	6.0	7.0	4.4	4.9	2.4	1.7	4.2	8.8	1.0
11	1.9	1.1	1.7	1.9	1.7	0.5	0.9	1.5	7.7	8.5	7.9	7.1	7.7	7.8	8.0	7.1	7.9	7.3	4.4	1.4	3.4	2.9	2.2	1.6	4.3	8.5	0.5
12	1.4	0.7	0.8	0.6	0.8	1.0	0.6	0.7	1.0	4.3	4.1	3.3	3.0	3.2	3.7	3.7	4.3	4.1	2.7	2.1	2.7	1.4	1.5	1.1	2.2	4.3	0.6
13	1.1	0.9	0.9	0.6	0.5	0.6	0.7	0.8	0.9	1.9	2.7	2.8	2.7	2.5	3.1	3.2	2.1	1.5	1.7	3.5	3.0	2.2	1.5	2.4	1.8	3.5	0.5
14	2.2	1.8	1.7	1.7	1.9	1.9	1.4	1.0	0.7	0.8	3.4	4.3	6.4	7.0	8.2	7.7	7.7	5.8	2.9	3.9	2.1	2.0	1.7	1.9	3.3	8.2	0.7
15	1.6	1.6	2.2	1.6	1.1	1.2	1.8	0.9	1.4	1.5	2.5	3.3	5.5	4.7	4.3	5.0	5.1	3.3	1.8	2.1	1.7	2.8	1.7	1.8	2.5	5.5	0.9
16	0.7	1.2	1.4	0.8	1.0	0.7	1.1	0.8	1.8	4.0	3.5	4.6	4.7	5.1	5.4	4.9	5.3	3.4	3.6	1.5	1.4	2.0	1.7	2.4	2.6	5.4	0.7
17	1.9	1.9	1.2	0.6	0.7	0.9	0.8	0.5	0.7	1.2	3.7	4.7	5.1	5.7	5.7	5.8	5.3	4.5	2.2	2.1	2.2	2.4	1.3	1.2	2.6	5.8	0.5
18	1.0	1.0	0.9	1.3	0.7	1.2	1.3	0.8	0.8	3.5	5.8	5.8	6.2	6.2	7.2	7.6	6.6	6.9	5.5	2.3	3.0	3.1	2.4	1.3	3.4	7.6	0.7
19	1.5	1.8	2.0	1.7	1.3	1.0	0.9	1.0	0.8	1.1	3.0	4.2	5.5	5.8	5.7	5.4	5.8	4.4	2.3	3.4	2.7	1.8	2.6	2.1	2.8	5.8	0.8
20	1.1	0.8	0.7	1.2	0.9	0.8	1.0	0.6	0.7	0.9	3.3	4.3	5.0	5.3	6.2	6.1	5.2	4.3	2.5	1.6	1.7	2.0	1.3	1.1	2.4	6.2	0.6
21	0.5	0.5	0.7	0.6	1.1	0.8	0.7	0.8	0.5	0.7	3.3	4.5	4.9	4.9	5.0	3.6	4.1	3.8	3.8	2.3	2.8	2.1	2.7	2.4	2.4	5.0	0.5
22	1.6	1.6	1.4	0.8	0.7	0.9	0.7	0.4	0.6	6.8	6.5	7.3	7.1	5.2	5.2	5.2	6.1	4.6	1.9	2.5	2.5	3.2	2.1	1.1	3.2	7.3	0.4
23	2.0	1.6	1.8	1.1	1.1	1.0	0.7	0.8	0.7	0.9	3.4	5.4	6.7	6.2	6.3	6.5	7.1	6.3	4.4	2.5	4.3	2.7	1.4	1.6	3.2	7.1	0.7
24	1.1	1.2	1.0	1.1	1.0	1.0	0.8	1.0	0.5	0.9	1.0	2.1	3.1	2.7	2.9	3.4	4.5	4.2	2.1	2.4	2.8	1.7	1.3	1.2	1.9	4.5	0.5
25	0.9	1.6	0.8	1.0	0.7	0.6	0.7	1.0	0.8	0.7	1.9	3.3	3.4	3.7	3.2	3.2	2.7	4.1	1.5	0.9	2.2	1.7	0.9	1.4	1.8	4.1	0.6
26	1.6	1.1	1.1	1.3	1.0	0.7	1.1	0.7	1.7	2.8	2.2	3.0	2.6	3.2	3.8	3.5	3.6	2.3	2.4	3.0	1.3	1.3	0.7	0.7	1.9	3.8	0.7
27	0.8	0.7	0.5	0.7	0.8	0.7	0.5	1.2	0.6	1.1	1.4	2.6	3.3	3.4	2.9	2.1	1.7	0.8	2.6	2.6	1.0	0.7	0.9	0.7	1.4	3.4	0.5
28	0.6	1.4	1.6	1.2	0.6	0.5	1.2	0.8	0.6	0.6	2.0	3.6	4.0	3.6	4.4	4.1	4.8	2.1	2.1	3.5	2.8	2.1	1.5	1.4	2.1	4.8	0.5
29	1.2	1.1	1.0	1.0	0.9	0.7	0.8	0.7	0.9	2.1	5.8	6.5	5.6	5.4	5.9	5.3	5.3	3.6	1.8	2.3	1.6	1.1	1.3	1.4	2.6	6.5	0.7
30	1.1	1.1	1.1	0.9	0.6	0.9	0.8	0.8	0.7	4.5	5.9	6.3	6.5	6.3	6.1	5.6	5.2	4.2	1.5	2.7	2.0	0.9	1.4	1.4	2.9	6.5	0.6
Avg	1.4	1.4	1.3	1.2	1.1	1.1	1.1	0.9	1.4	3.0	4.1	4.7	5.1	5.1	5.4	5.0	5.1	4.2	2.9	2.5	2.5	2.2	1.7	1.6	2.7	6.0	0.7
Max	3.5	3.5	3.2	1.9	2.1	3.1	2.6	2.7	7.7	8.5	7.9	7.8	7.7	7.8	8.8	7.7	8.5	7.3	6.0	7.0	4.4	4.9	2.8	2.8	4.3	8.8	1.4
Min	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.4	0.5	0.6	1.0	2.1	2.6	2.3	2.8	2.1	1.7	0.8	1.5	0.9	1.0	0.7	0.7	0.7	1.4	3.4	0.4

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
July 2012

	<< Hour >>																							
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	148	135	156	193	128	15	314	279	278	271	300	321	302	282	307	354	3	359	303	358	325	92	82	49	328
2	72	44	43	86	8	120	230	99	347	318	291	338	357	336	223	242	232	208	177	134	86	21	134	127	57
3	132	147	141	136	146	127	131	149	151	193	271	288	301	310	295	295	292	294	294	307	305	286	279	272	250
4	339	40	139	113	84	58	346	319	295	302	288	266	254	267	285	303	315	324	331	319	39	333	346	132	326
5	145	105	74	48	65	53	177	155	159	182	102	154	125	137	147	137	163	171	174	144	113	99	93	103	128
6	85	49	28	99	119	74	84	151	145	206	306	10	331	238	333	269	207	267	316	7	31	28	76	106	46
7	191	117	22	39	109	105	78	349	184	282	96	89	137	121	158	169	163	171	220	115	173	75	71	123	123
8	90	69	86	96	79	79	113	330	237	292	317	294	290	301	68	8	327	228	105	76	78	78	82	72	51
9	61	86	73	75	85	100	144	28	143	319	239	316	211	309	142	19	135	74	74	74	77	275	83	83	80
10	124	80	90	75	77	75	74	47	121	279	280	348	302	296	286	292	322	297	231	162	10	72	105	66	36
11	95	79	43	125	95	84	301	141	261	293	300	272	267	298	353	272	319	238	39	54	135	101	110	75	35
12	70	83	91	118	92	144	167	9	157	315	274	253	281	296	288	294	307	315	257	68	91	67	41	43	24
13	59	136	355	350	17	105	295	84	335	294	298	272	257	320	288	167	310	274	274	138	90	51	108	216	326
14	306	177	139	127	122	14	300	97	250	310	149	189	202	201	174	169	156	303	333	278	133	111	316	103	178
15	128	127	120	241	100	97	150	161	142	116	179	204	214	241	256	178	173	194	246	188	110	33	76	68	156
16	24	35	105	97	129	86	159	320	323	334	311	16	339	321	26	37	162	1	323	284	300	35	7	323	5
17	358	324	353	331	53	152	351	157	150	160	194	199	229	227	216	272	246	256	254	232	189	73	76	79	219
18	98	92	80	94	73	114	128	324	270	196	205	213	222	221	228	222	198	190	221	197	106	90	78	81	159
19	80	71	19	84	106	54	166	307	28	329	315	313	319	258	270	287	287	324	55	48	60	65	67	85	19
20	67	2	316	148	325	192	283	145	358	70	101	137	144	163	162	177	143	263	84	79	75	111	43	318	106
21	64	78	34	75	61	106	170	52	340	353	343	265	247	258	260	267	265	278	298	315	24	34	100	74	359
22	54	29	65	53	115	118	124	297	145	143	131	131	42	79	25	116	135	142	302	62	89	83	119	157	97
23	171	144	105	157	163	82	104	113	151	152	176	176	193	223	262	279	150	144	124	25	335	43	2	341	143
24	316	73	7	74	82	48	50	71	286	271	284	283	268	275	261	247	269	273	286	298	249	83	80	100	315
25	59	157	42	10	36	94	119	335	314	285	296	307	307	293	299	323	321	325	20	22	39	40	130	69	360
26	152	128	317	15	73	127	178	335	360	138	157	212	207	299	233	322	104	260	279	259	111	123	155	219	185
27	202	330	254	89	131	332	99	356	39	214	140	335	307	321	297	239	213	357	250	201	152	69	325	146	279
28	112	92	64	99	124	72	149	143	345	354	4	151	204	213	249	260	227	109	153	145	258	112	73	81	125
29	78	73	83	96	36	87	67	308	332	284	282	334	322	314	331	298	311	311	261	130	299	87	103	109	3
30	77	73	80	61	60	117	49	321	333	124	153	168	246	237	239	222	236	299	322	205	74	7	53	60	72
31	60	63	96	89	139	103	147	58	142	228	280	260	257	255	287	277	291	270	281	81	74	18	51	121	87
Prev	87	84	66	87	89	91	125	34	279	269	265	266	263	270	268	266	242	273	281	90	75	63	74	89	73

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
August 2012

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	332	41	103	125	127	117	53	5	327	257	276	284	280	314	302	299	309	317	326	309	88	81	65	91	351
2	40	97	77	119	117	103	35	22	292	262	250	268	267	263	296	314	321	318	323	327	297	257	277	265	307
3	266	328	346	310	186	274	294	287	311	305	312	311	307	307	291	305	313	329	313	323	347	357	122	130	309
4	134	143	90	35	37	2	63	127	134	236	249	309	344	322	231	299	267	280	353	32	92	83	40	82	33
5	85	95	90	91	90	80	56	123	294	355	337	316	278	253	269	268	264	273	296	74	30	58	78	67	27
6	45	355	39	40	78	72	34	131	29	36	341	312	288	260	252	245	268	332	309	257	24	82	71	97	9
7	104	72	54	11	83	90	111	334	337	300	289	296	288	304	296	300	320	321	316	352	136	96	65	100	2
8	74	77	84	92	31	92	149	316	116	141	135	140	143	137	128	133	148	306	161	238	193	354	45	330	114
9	136	70	1	77	9	95	107	2	21	292	273	308	273	271	263	241	271	319	343	77	72	112	68	98	13
10	98	38	328	140	85	105	105	52	45	98	201	293	279	153	80	117	152	133	192	83	139	112	57	290	104
11	210	80	88	100	75	83	115	67	159	280	271	279	321	295	294	282	313	338	38	83	86	83	146	290	38
12	97	294	189	268	249	300	176	155	144	142	146	139	147	132	110	72	138	132	143	120	351	74	101	52	134
13	104	119	118	119	97	36	50	239	346	285	284	305	296	314	302	289	299	302	309	81	74	315	63	57	353
14	87	83	44	72	63	85	26	131	252	255	260	264	259	261	263	267	281	283	301	292	302	340	322	307	303
15	310	328	328	313	313	311	312	315	327	360	345	303	315	345	4	328	334	343	74	80	92	75	98	117	346
16	149	150	119	133	120	101	99	112	128	133	135	124	164	294	300	315	318	318	327	66	70	84	48	348	98
17	23	66	72	93	50	67	147	10	86	292	298	263	280	302	299	298	302	329	27	96	120	121	32	25	20
18	55	116	64	23	68	23	108	354	356	275	251	335	16	311	292	291	237	160	136	88	82	73	44	70	37
19	112	109	105	77	9	64	85	342	315	157	188	143	300	272	257	256	257	258	238	117	94	68	68	87	103
20	83	106	122	218	39	84	344	134	336	256	286	277	292	306	13	9	360	356	328	16	34	87	111	67	18
21	88	136	72	82	101	85	71	102	286	Au	Au	Au	Au	205	201	207	290	261	264	302	329	346	356	210	114
22	7	91	95	86	87	58	97	321	326	296	280	293	273	274	267	272	269	267	269	148	49	79	29	103	344
23	81	51	130	87	103	48	95	134	10	6	280	259	279	269	259	245	238	284	302	73	64	95	51	62	44
24	41	79	39	91	75	106	7	81	305	297	274	271	260	263	278	270	291	282	276	288	317	113	101	66	330
25	83	86	79	36	120	109	146	216	14	265	262	255	255	300	308	285	280	270	266	125	66	86	49	110	37
26	82	99	84	83	20	8	352	325	134	124	152	149	151	150	140	146	140	131	107	89	115	63	111	117	107
27	101	104	127	128	111	109	145	37	129	36	279	274	295	261	200	245	282	326	54	98	42	78	88	118	99
28	110	91	146	112	303	136	153	284	56	127	186	203	204	217	232	216	210	210	205	155	112	109	342	23	166
29	49	84	70	72	59	77	69	26	338	306	288	291	289	295	289	298	298	322	324	7	299	103	81	8	357
30	104	11	30	47	73	119	65	128	12	156	162	191	227	207	238	283	261	204	104	98	67	85	81	62	105
31	178	34	126	134	60	25	134	83	342	336	179	152	187	197	219	305	164	131	143	128	123	183	161	24	137
Prev	85	78	80	84	73	75	83	46	357	286	258	271	273	271	270	278	277	295	312	70	65	78	67	66	36

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
September 2012

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	81	97	104	126	113	110	110	109	138	168	202	201	233	207	256	235	115	103	109	91	105	111	90	131	131
2	81	78	48	119	132	62	117	299	215	250	250	254	265	266	250	267	252	252	250	253	129	137	145	109	207
3	85	87	79	96	55	53	108	74	293	266	257	253	269	255	251	253	254	262	291	117	74	88	87	104	94
4	8	101	127	112	73	83	92	360	10	290	300	314	311	318	322	310	317	325	312	92	91	67	109	112	22
5	110	103	17	121	78	107	146	285	300	265	258	249	254	259	254	267	269	287	297	351	91	72	210	305	270
6	151	98	94	160	162	6	226	321	324	13	157	158	186	342	298	336	21	80	52	52	78	110	136	120	87
7	102	60	63	108	80	77	106	174	310	290	259	260	256	291	300	294	256	258	268	92	51	64	100	83	32
8	68	74	94	95	100	99	133	350	326	124	167	247	271	276	269	209	236	182	144	105	83	81	88	85	117
9	64	40	97	74	119	80	91	118	5	147	180	184	185	188	221	226	208	219	188	98	103	97	86	74	127
10	93	67	40	139	73	41	30	177	114	278	274	262	274	278	276	269	276	290	297	303	317	314	323	107	311
11	153	129	105	86	93	85	79	340	284	282	272	265	287	285	258	284	276	279	295	228	87	89	49	34	311
12	119	267	166	360	108	77	57	177	14	311	283	278	271	292	245	231	262	277	262	140	105	120	90	71	238
13	82	19	24	12	52	70	67	351	347	331	282	273	258	239	274	256	257	250	151	98	82	86	59	70	12
14	82	120	101	90	110	127	97	136	339	55	229	259	268	253	256	259	256	273	233	85	46	106	75	86	121
15	128	75	91	98	75	93	130	25	334	343	280	291	303	296	317	310	320	313	312	59	92	99	82	88	27
16	24	25	56	56	55	18	87	23	287	318	277	255	261	279	265	258	283	262	157	27	111	100	106	96	2
17	83	90	85	39	69	77	147	112	332	344	293	270	267	268	297	311	304	294	291	113	95	63	52	16	16
18	52	50	24	108	78	82	136	68	1	277	264	261	263	258	261	263	276	276	269	13	90	74	70	124	10
19	62	66	160	105	49	106	130	148	353	58	265	262	292	283	286	270	276	278	243	88	58	40	50	66	38
20	86	108	11	114	21	32	135	96	40	303	259	269	279	290	324	326	308	319	350	146	65	53	54	103	21
21	10	6	75	10	103	106	71	202	3	31	282	284	249	254	283	348	13	31	56	105	116	123	109	101	45
22	114	105	81	33	108	83	68	332	352	157	153	145	141	143	143	143	146	141	55	53	67	69	102	140	104
23	116	71	66	79	44	143	39	119	94	305	145	163	166	154	156	152	149	147	160	109	81	94	54	46	111
24	8	7	35	71	40	43	76	133	34	352	335	311	261	256	260	275	286	346	71	82	46	63	44	41	18
25	17	87	21	83	83	85	83	138	28	359	302	299	283	266	283	260	273	5	5	343	75	54	71	94	23
26	146	16	114	104	111	26	95	271	317	303	311	305	300	296	325	333	318	274	257	60	247	91	67	70	346
27	34	29	10	350	79	59	56	136	302	321	222	323	291	256	253	309	356	29	111	87	94	37	251	35	10
28	61	77	37	64	25	24	105	116	343	12	301	260	283	269	290	268	260	214	104	92	85	84	56	91	40
29	82	83	120	49	101	51	78	112	319	187	241	262	286	283	254	256	285	277	197	102	53	60	79	110	90
30	118	119	89	98	74	84	358	68	1	296	299	290	300	324	324	331	323	317	9	69	66	53	108	132	27
Prev	81	72	74	84	82	73	95	97	343	313	260	262	266	269	273	275	280	282	272	83	82	80	82	87	54

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
July 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	53	14	17	54	23	68	12	30	16	14	27	23	25	14	15	34	17	16	38	67	84	35	11	42	31	84	11
2	66	79	68	65	47	35	61	54	39	35	29	30	58	34	67	24	26	17	13	14	82	65	39	10	44	82	10
3	10	17	68	15	24	37	20	7	10	27	20	13	19	26	23	19	17	13	11	13	13	12	12	8	19	68	7
4	68	88	44	24	42	63	36	20	14	24	39	37	29	32	29	33	16	24	17	52	67	53	73	46	40	88	14
5	44	63	55	51	47	69	82	101	8	23	51	50	35	21	28	12	17	9	9	19	21	20	20	19	36	101	8
6	14	24	36	45	45	42	51	85	35	79	50	65	102	59	53	52	17	35	12	61	49	49	18	56	47	102	12
7	89	20	41	42	28	62	79	88	80	94	86	26	35	49	69	28	19	59	61	38	43	14	24	63	52	94	14
8	63	33	28	58	59	62	88	74	89	78	34	16	27	45	52	45	19	80	28	12	6	6	10	24	43	89	6
9	15	19	23	24	28	33	56	91	101	55	76	38	91	57	61	44	35	47	12	5	8	86	38	15	44	101	5
10	41	34	31	50	59	45	89	81	42	23	16	78	34	23	20	23	22	48	31	34	84	76	43	46	45	89	16
11	21	32	42	31	82	63	86	92	71	31	42	40	38	50	42	53	13	14	87	102	32	25	21	20	47	102	13
12	24	27	28	19	27	40	82	61	87	77	36	35	33	73	44	59	59	39	66	60	37	22	24	47	46	87	19
13	76	64	91	75	71	48	87	55	50	45	26	56	22	48	28	63	38	21	69	19	14	42	47	85	52	91	14
14	78	90	72	41	79	94	62	62	91	36	88	19	16	20	17	20	62	63	80	82	36	80	89	66	60	94	16
15	74	35	68	76	35	55	62	32	19	79	30	42	32	28	15	25	12	14	18	13	60	54	38	27	39	79	12
16	31	65	28	44	36	70	36	83	63	39	40	73	48	48	41	29	73	58	56	30	93	92	44	60	53	93	28
17	92	86	60	99	92	76	66	31	13	23	24	18	21	19	15	27	24	19	18	15	77	10	16	17	40	99	10
18	18	25	20	17	27	34	48	70	71	18	48	33	22	23	27	27	17	11	10	28	12	41	21	41	30	71	10
19	17	25	54	55	31	52	48	54	61	35	19	41	28	25	26	15	18	53	27	59	14	21	15	25	34	61	14
20	36	55	68	70	56	93	45	51	55	43	16	17	22	30	25	33	35	92	32	10	15	63	73	43	45	93	10
21	33	85	75	25	90	38	81	65	43	42	46	37	21	25	22	24	23	23	18	7	80	70	45	44	44	90	7
22	58	76	64	68	35	37	71	39	51	28	59	72	75	74	72	39	21	39	35	55	22	21	78	20	50	78	20
23	46	39	76	65	28	43	23	21	12	24	23	26	18	15	36	70	36	18	47	68	71	46	54	61	40	76	12
24	66	41	78	16	38	53	59	68	15	17	17	15	17	19	16	17	22	17	14	14	47	44	28	71	34	78	14
25	66	57	44	53	53	53	101	79	50	23	22	26	23	32	35	21	18	17	22	10	86	75	42	61	45	101	10
26	57	62	71	68	84	37	67	69	73	28	53	74	55	69	72	81	58	71	19	68	44	22	75	75	61	84	19
27	70	32	97	58	60	75	72	73	60	66	65	37	58	58	37	72	65	41	46	54	37	51	66	78	60	97	32
28	27	25	20	26	28	31	25	34	73	81	77	54	30	45	31	17	20	43	39	72	83	41	60	51	43	83	17
29	40	24	68	26	43	48	74	94	97	39	82	29	33	48	52	34	32	31	74	55	98	17	46	52	52	98	17
30	57	50	22	44	40	32	88	49	47	82	61	49	30	28	54	20	20	35	66	45	63	93	48	36	48	93	20
31	70	55	34	58	71	75	85	86	91	83	43	41	32	24	18	25	20	28	28	49	57	59	97	60	54	97	18
Avg	49	46	51	47	49	54	63	61	52	45	43	39	36	37	37	35	29	35	36	40	50	45	42	44	44	88	14
Max	92	90	97	99	92	94	101	101	101	94	88	78	102	74	72	81	73	92	87	102	98	93	97	85	61	102	32
Min	10	14	17	15	23	31	12	7	8	14	16	13	16	14	15	12	12	9	9	5	6	6	10	8	19	61	5

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
August 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	81	77	60	76	49	61	87	59	60	69	27	28	36	51	35	41	30	26	10	64	26	31	80	28	50	87	10
2	58	58	71	64	32	40	95	69	61	25	17	18	23	20	22	17	9	10	16	18	23	18	24	20	35	95	9
3	23	42	21	11	55	49	55	26	16	16	21	16	18	17	15	20	16	11	15	7	17	69	17	37	25	69	7
4	47	34	46	54	51	35	81	36	29	58	67	63	46	59	45	39	45	56	59	79	21	35	65	52	50	81	21
5	34	22	25	23	22	30	56	72	58	56	30	25	37	26	30	26	23	31	41	46	53	30	40	60	37	72	22
6	79	41	31	39	41	75	97	53	90	72	32	36	24	20	19	17	12	39	79	16	91	46	36	23	46	97	12
7	18	20	26	52	43	42	56	70	53	20	19	20	27	16	13	26	19	13	15	65	46	31	47	27	33	70	13
8	54	38	57	42	75	34	34	65	68	11	15	18	21	16	15	10	66	67	67	68	82	49	66	57	46	82	10
9	95	100	57	53	44	46	88	61	49	20	33	78	54	46	57	39	48	52	53	51	10	31	42	55	53	100	10
10	59	83	70	72	28	21	69	41	55	90	56	68	35	41	18	35	9	31	69	62	27	46	71	15	49	90	9
11	48	82	58	35	10	16	18	40	93	25	25	23	18	24	22	23	38	35	14	36	34	18	39	78	36	93	10
12	48	60	80	81	59	73	77	29	15	11	11	22	27	25	34	33	24	18	8	39	72	60	47	79	43	81	8
13	50	26	27	27	19	36	82	94	73	21	33	28	27	26	29	30	26	23	20	43	15	103	62	65	41	103	15
14	41	64	61	44	47	33	77	61	80	12	21	20	21	16	22	20	13	12	9	10	16	19	17	10	31	80	9
15	13	9	12	12	11	13	17	14	17	19	28	15	12	16	21	20	17	16	47	36	65	9	15	19	20	65	9
16	11	20	45	57	12	17	15	15	16	21	37	50	78	38	26	32	30	35	21	21	61	28	17	55	32	78	11
17	78	54	36	63	36	26	92	73	73	56	40	38	63	50	25	18	14	30	11	84	58	61	70	48	50	92	11
18	60	26	44	29	48	44	38	61	71	52	54	73	95	44	57	78	41	39	8	27	4	11	60	62	47	95	4
19	32	35	50	50	74	41	76	78	63	73	32	57	48	30	21	21	15	14	79	33	35	12	17	14	42	79	12
20	19	33	70	92	63	40	52	54	75	47	76	40	37	49	22	32	34	43	15	45	58	42	51	66	48	92	15
21	100	36	85	43	31	26	40	59	86	Au	Au	Au	Au	36	30	16	35	31	59	22	61	91	52	77	51	100	16
22	76	28	37	18	18	24	69	51	94	56	17	14	22	17	17	16	15	17	13	82	33	10	30	38	34	94	10
23	33	52	30	39	29	44	54	66	82	78	22	23	27	25	31	39	71	22	37	37	83	49	34	79	45	83	22
24	44	47	35	29	53	50	61	81	26	18	14	18	17	15	15	14	17	12	12	8	96	20	40	39	33	96	8
25	63	58	48	63	55	49	67	94	78	22	24	22	34	29	35	24	22	16	27	35	20	74	69	16	44	94	16
26	35	17	36	61	36	38	39	64	64	28	10	9	17	22	20	19	11	19	25	20	74	76	99	38	37	99	9
27	41	19	26	19	25	35	73	75	32	83	29	36	39	44	36	49	26	54	102	61	87	51	38	98	49	102	19
28	48	70	70	70	85	37	78	101	62	32	61	21	25	24	20	17	14	14	7	28	13	49	71	70	45	101	7
29	37	34	50	36	64	50	61	73	52	21	13	12	15	16	18	16	15	11	16	75	76	50	43	86	39	86	11
30	51	47	73	49	52	38	63	23	72	26	20	35	21	39	34	39	27	45	27	22	34	33	76	97	43	97	20
31	95	96	71	97	86	71	30	62	56	61	41	37	21	19	38	46	38	12	11	13	53	71	29	79	51	97	11
Avg	51	46	49	48	44	40	61	59	59	40	31	32	33	30	27	28	26	28	32	40	47	43	47	51	41	89	12
Max	100	100	85	97	86	75	97	101	94	90	76	78	95	59	57	78	71	67	102	84	96	103	99	98	53	103	22
Min	11	9	12	11	10	13	15	14	15	11	10	9	12	15	13	10	9	10	7	7	4	9	15	10	20	65	4

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
September 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	37	38	23	45	20	17	19	26	10	33	15	19	29	27	82	73	56	17	20	29	14	18	29	47	31	82	10
2	40	55	46	32	51	43	46	75	90	28	24	18	16	17	13	18	15	12	17	57	93	25	52	20	38	93	12
3	31	49	43	48	48	44	72	78	40	14	18	18	21	18	21	18	19	15	28	46	20	42	38	35	34	78	14
4	82	48	43	74	25	30	51	50	69	18	16	20	19	20	15	15	17	10	16	65	16	40	27	38	34	82	10
5	35	62	52	45	63	31	20	85	69	17	23	17	23	23	17	23	18	14	9	57	26	74	69	95	40	95	9
6	49	37	68	35	27	95	63	46	17	59	28	40	60	62	22	29	28	12	38	47	16	49	30	38	41	95	12
7	31	37	20	31	31	52	35	63	46	69	27	33	39	51	60	67	30	18	49	32	19	25	17	30	38	69	17
8	33	41	45	22	24	24	23	81	53	71	39	38	42	37	68	61	46	35	19	18	9	19	14	31	37	81	9
9	47	62	25	38	34	29	54	61	73	25	23	24	22	25	22	14	14	13	42	53	68	45	42	42	37	73	13
10	23	60	50	38	65	39	67	94	102	14	17	19	19	17	15	14	18	11	10	11	13	13	47	51	34	102	10
11	19	45	22	28	48	76	40	74	11	16	18	27	22	21	21	16	15	12	11	55	49	33	39	47	32	76	11
12	52	87	87	58	67	72	60	99	80	31	24	33	60	66	43	36	23	17	16	42	17	34	24	34	48	99	16
13	58	46	51	93	53	52	52	93	53	49	56	31	38	50	32	30	33	33	68	13	23	38	37	17	46	93	13
14	27	23	21	22	20	30	46	55	54	95	35	24	15	16	17	13	11	12	62	25	22	29	22	35	30	95	11
15	38	44	29	34	38	31	19	83	89	42	35	26	22	31	35	25	9	12	22	51	52	26	39	62	37	89	9
16	72	52	59	49	57	56	88	61	52	15	21	22	18	19	15	15	10	68	14	65	54	22	16	18	39	88	10
17	28	36	44	50	66	48	61	69	47	60	23	28	26	23	30	19	17	14	85	30	23	17	31	34	38	85	14
18	42	39	44	58	72	61	47	90	66	83	18	17	19	20	21	17	14	9	12	89	47	16	19	68	41	90	9
19	70	82	68	47	61	77	43	89	83	78	56	21	15	16	27	20	15	9	61	28	21	31	27	44	45	89	9
20	90	63	35	41	65	69	37	102	89	60	26	25	24	24	14	12	11	7	39	52	29	29	33	24	42	102	7
21	72	68	58	74	40	85	70	96	88	69	22	23	20	21	27	55	15	20	35	42	30	32	16	29	46	96	15
22	43	31	32	49	71	59	65	87	52	26	13	10	9	18	15	12	7	10	60	14	33	13	59	34	34	87	7
23	43	33	26	62	91	75	31	71	68	50	81	14	12	14	13	11	7	7	9	41	7	43	43	44	37	91	7
24	32	28	43	43	33	36	41	36	51	68	55	39	40	34	35	26	34	10	51	40	31	49	42	37	39	68	10
25	54	43	43	55	53	32	57	71	71	60	52	22	21	18	14	16	14	40	81	63	29	23	39	44	42	81	14
26	53	49	61	81	69	62	84	77	26	15	29	20	32	21	22	20	15	23	75	41	77	34	73	68	47	84	15
27	82	68	61	43	57	58	62	25	68	24	94	51	33	34	54	48	30	63	20	34	52	62	92	80	54	94	20
28	79	36	27	23	56	49	34	32	62	63	64	24	30	31	20	23	13	83	30	13	10	24	35	49	38	83	10
29	52	24	37	73	56	87	78	68	51	81	14	18	20	15	17	22	15	13	50	35	22	59	57	73	43	87	13
30	57	31	80	60	71	65	64	68	74	24	28	17	24	16	14	12	11	8	78	25	30	78	35	26	42	80	8
Avg	49	47	45	48	51	53	51	70	60	45	33	25	26	27	27	26	19	21	38	40	32	35	38	43	40	87	11
Max	90	87	87	93	91	95	88	102	102	95	94	51	60	66	82	73	56	83	85	89	93	78	92	95	54	102	20
Min	19	23	20	22	20	17	19	25	10	14	13	10	9	14	13	11	7	7	9	11	7	13	14	17	30	68	7

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
July 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	17.2	20.0	18.8	18.1	16.5	12.7	14.5	16.8	18.8	19.5	20.7	21.9	23.1	23.1	22.9	23.0	22.0	20.4	16.2	12.4	12.0	12.0	11.7	10.5	17.7	23.1	10.5
2	9.3	7.9	7.0	6.0	5.3	5.4	6.7	10.6	13.7	15.7	17.1	18.2	19.4	20.4	22.1	23.1	23.8	24.4	24.0	22.4	20.3	18.3	20.0	20.2	15.9	24.4	5.3
3	19.9	19.0	17.9	17.2	16.9	16.7	18.3	21.2	22.7	25.0	23.2	22.4	22.2	22.8	23.5	23.2	23.1	22.7	20.7	18.9	16.3	14.7	12.9	11.8	19.7	25.0	11.8
4	10.3	9.3	5.2	2.5	1.6	1.6	4.1	9.8	11.5	13.0	14.9	16.8	18.4	19.5	20.4	21.1	21.3	21.6	21.0	19.6	15.7	14.2	13.2	10.6	13.2	21.6	1.6
5	8.4	6.4	5.7	5.5	4.3	4.3	6.3	11.5	16.0	16.0	15.8	16.8	17.7	17.9	19.9	19.7	18.8	17.8	17.5	16.2	15.4	12.5	11.0	9.0	12.9	19.9	4.3
6	8.1	7.1	6.3	5.6	4.5	4.6	7.1	11.5	16.4	18.8	18.3	20.3	22.4	23.3	23.9	24.1	23.1	22.8	21.9	20.0	16.6	14.5	12.5	9.8	15.1	24.1	4.5
7	8.7	9.1	7.2	7.5	6.9	8.2	10.2	17.0	17.1	18.2	18.4	20.2	21.9	24.3	25.2	25.7	25.7	23.7	22.6	21.8	19.7	18.2	16.6	13.1	17.0	25.7	6.9
8	12.1	10.6	9.4	8.2	7.1	7.0	9.9	14.3	19.6	22.3	23.4	24.3	25.2	25.8	26.3	26.1	25.4	23.5	22.5	19.5	17.5	14.6	12.6	11.6	17.5	26.3	7.0
9	11.4	9.5	9.2	8.7	7.8	7.4	9.9	14.8	19.8	23.9	26.4	26.9	27.1	27.7	28.5	28.4	28.5	28.2	26.1	24.2	22.3	21.3	19.2	16.5	19.7	28.5	7.4
10	13.7	12.6	10.5	9.9	9.1	8.7	9.7	14.2	20.8	23.0	22.6	23.7	24.9	26.0	26.4	26.8	26.9	26.1	24.3	20.9	19.2	16.3	12.7	10.9	18.3	26.9	8.7
11	10.2	8.8	7.1	6.2	6.1	6.7	9.9	14.4	18.8	22.3	24.0	25.0	25.6	26.1	26.2	26.1	25.3	23.5	21.3	20.1	16.4	14.2	12.0	11.2	17.0	26.2	6.1
12	10.2	8.8	8.2	6.2	6.4	6.3	8.6	13.4	19.5	22.9	24.9	25.7	26.4	27.0	27.7	28.2	28.2	28.2	28.1	24.5	18.9	16.8	15.5	13.0	18.5	28.2	6.2
13	11.8	10.8	9.8	9.4	9.6	9.5	11.5	14.5	19.3	23.2	23.9	23.8	24.6	24.6	25.1	26.0	24.6	24.5	23.5	22.8	20.7	17.5	15.9	16.0	18.5	26.0	9.4
14	15.5	14.7	14.2	14.2	13.9	13.3	13.7	14.8	15.8	17.5	21.3	21.5	21.2	21.3	20.9	22.0	23.0	23.0	21.9	20.7	17.6	15.0	13.9	13.9	17.7	23.0	13.3
15	13.7	13.6	13.5	13.1	12.6	12.1	13.0	13.7	14.1	15.3	17.1	18.7	20.1	21.5	20.7	19.6	19.4	18.8	19.2	18.7	15.5	12.4	11.6	10.6	15.8	21.5	10.6
16	9.8	9.5	9.0	7.6	6.5	6.5	8.5	12.0	16.4	19.1	20.3	21.3	22.3	23.1	22.8	21.1	14.9	14.2	14.1	13.2	12.5	11.9	11.3	10.4	14.1	23.1	6.5
17	9.5	8.4	8.2	7.7	7.4	7.6	10.2	15.1	17.1	18.2	19.6	20.5	21.4	22.1	21.8	22.8	23.6	24.0	23.4	22.9	20.4	16.4	14.3	13.3	16.5	24.0	7.4
18	11.7	10.6	10.2	9.1	8.6	7.7	10.0	14.7	19.5	23.2	24.4	25.5	26.6	27.2	27.5	27.9	27.6	27.6	27.1	24.5	19.6	15.4	13.9	12.0	18.8	27.9	7.7
19	11.9	10.7	8.7	8.8	7.4	7.7	9.4	14.0	19.1	22.8	24.5	25.7	26.4	27.0	27.1	26.5	26.4	25.8	25.2	22.5	18.6	16.0	15.2	12.8	18.3	27.1	7.4
20	11.6	10.6	11.3	13.0	15.5	19.3	19.9	17.7	16.7	16.6	18.7	21.9	23.4	24.9	26.3	27.1	26.3	17.8	17.1	17.3	15.5	14.2	14.2	14.9	18.0	27.1	10.6
21	13.8	12.0	11.0	9.9	9.0	8.2	9.9	13.9	17.9	19.9	21.5	23.7	24.6	25.3	26.0	26.6	26.8	26.7	25.8	23.8	20.9	16.7	14.3	12.0	18.3	26.8	8.2
22	10.9	9.8	8.4	7.7	6.9	6.1	8.9	13.4	19.5	22.4	23.7	24.9	26.2	27.0	27.7	27.2	27.2	25.5	19.5	17.6	16.7	17.4	17.4	17.5	17.9	27.7	6.1
23	17.4	16.6	17.1	17.2	15.4	14.0	16.8	19.9	22.2	23.4	24.6	26.0	27.2	27.4	26.3	24.3	23.2	20.2	21.4	20.5	17.0	15.3	14.3	13.9	20.1	27.4	13.9
24	14.3	12.3	11.4	9.6	7.9	6.7	7.3	11.5	15.8	17.3	18.3	19.1	20.5	21.5	22.4	23.2	23.5	23.1	22.4	20.3	17.2	13.1	9.2	8.3	15.7	23.5	6.7
25	8.0	6.7	5.4	4.8	3.8	3.3	5.3	10.0	14.8	16.7	17.8	19.1	20.2	21.2	22.0	22.4	22.5	22.4	21.1	19.3	16.9	14.6	11.3	9.9	14.1	22.5	3.3
26	8.2	7.4	6.3	6.1	5.5	5.0	6.7	11.2	16.4	19.3	20.7	22.0	23.2	24.3	24.2	19.7	16.7	19.7	19.6	18.4	15.9	15.5	16.0	15.9	15.2	24.3	5.0
27	15.0	12.6	10.3	9.4	7.9	7.9	9.3	10.6	14.4	18.6	16.6	17.7	20.3	22.4	23.9	24.4	24.9	24.3	19.9	14.4	13.1	13.4	13.6	12.0	15.7	24.9	7.9
28	10.8	10.2	9.7	9.1	7.8	7.6	8.1	11.8	16.2	20.1	22.6	24.2	25.4	26.6	27.2	26.8	24.4	23.9	21.7	16.8	15.8	15.6	13.7	12.1	17.0	27.2	7.6
29	11.8	11.4	11.0	9.8	8.7	7.1	8.8	12.9	17.9	21.9	23.5	24.6	25.5	26.4	27.1	27.3	27.0	27.3	25.2	21.9	20.7	20.6	18.1	16.6	18.9	27.3	7.1
30	13.3	11.3	10.8	9.3	8.1	7.4	9.0	13.5	19.4	23.6	25.3	26.7	27.6	28.7	29.0	29.2	28.4	28.0	25.7	24.4	23.7	20.7	17.5	14.1	19.8	29.2	7.4
31	11.9	10.6	9.4	7.9	7.3	6.5	8.1	13.2	19.2	21.8	23.1	24.3	25.3	26.3	26.7	27.0	27.1	27.0	26.0	23.3	19.5	17.4	16.4	15.6	18.4	27.1	6.5
Avg	11.9	10.9	9.9	9.2	8.5	8.2	10.0	13.8	17.6	20.0	21.2	22.4	23.4	24.3	24.8	24.7	24.2	23.4	22.1	20.1	17.7	15.7	14.3	12.9	17.1	25.4	7.5
Max	19.9	20.0	18.8	18.1	16.9	19.3	19.9	21.2	22.7	25.0	26.4	26.9	27.6	28.7	29.0	29.2	28.5	28.2	28.1	24.5	23.7	21.3	20.0	20.2	20.1	29.2	13.9
Min	8.0	6.4	5.2	2.5	1.6	1.6	4.1	9.8	11.5	13.0	14.9	16.8	17.7	17.9	19.9	19.6	14.9	14.2	14.1	12.4	12.0	11.9	9.2	8.3	12.9	19.9	1.6

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
August 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	13.2	11.9	10.9	10.1	8.9	7.2	8.4	13.0	17.8	20.2	21.2	22.1	22.8	23.5	24.2	24.6	25.0	24.6	23.7	20.5	16.1	14.2	11.3	10.1	16.9	25.0	7.2
2	8.3	8.0	6.2	5.7	4.7	3.6	5.6	10.8	17.0	19.1	20.2	21.0	21.5	22.3	22.2	21.4	20.1	19.3	19.2	18.0	17.6	16.1	13.5	10.7	14.7	22.3	3.6
3	9.8	9.6	8.6	7.7	6.5	5.9	5.8	7.1	8.3	9.0	10.2	11.6	12.4	12.8	13.9	14.7	14.8	14.4	14.0	12.4	11.1	9.2	6.9	6.0	10.1	14.8	5.8
4	4.8	3.6	2.0	1.2	0.8	0.0	1.6	5.9	11.3	14.2	15.7	17.2	18.6	19.6	20.5	21.4	21.8	22.1	21.9	18.2	13.1	10.3	8.8	8.1	11.8	22.1	0.0
5	6.9	5.9	6.1	5.1	4.6	4.2	4.9	10.5	16.8	21.6	23.5	24.6	25.6	26.7	27.4	28.1	28.4	28.4	27.8	23.9	19.8	16.9	14.0	12.0	17.2	28.4	4.2
6	10.8	9.2	10.2	9.5	8.8	7.7	8.2	12.1	16.1	20.8	24.8	27.0	28.0	27.7	27.4	27.9	25.9	24.7	23.8	22.5	20.3	17.6	16.1	14.8	18.4	28.0	7.7
7	12.7	10.2	9.0	7.6	6.5	5.5	6.6	11.2	17.8	21.9	23.7	25.0	26.3	26.7	27.3	27.8	27.7	27.3	26.4	23.4	18.6	14.1	12.5	10.8	17.8	27.8	5.5
8	9.1	8.3	8.2	7.6	6.8	7.0	8.4	12.7	20.9	24.8	26.6	28.1	29.2	29.8	30.8	30.5	28.6	25.7	24.8	25.0	24.9	23.2	21.5	18.0	20.0	30.8	6.8
9	15.9	13.7	12.1	10.4	9.7	9.0	8.8	11.7	17.4	22.1	23.6	24.9	26.0	26.9	26.9	27.1	27.7	27.3	26.3	23.1	20.5	19.8	16.4	15.4	19.3	27.7	8.8
10	13.9	13.6	13.5	16.1	14.1	12.1	11.4	13.5	16.6	21.0	22.2	22.0	20.2	18.4	19.1	20.8	20.6	19.7	19.7	17.9	15.6	15.2	16.2	15.2	17.0	22.2	11.4
11	14.6	13.2	12.3	11.6	11.6	11.2	11.1	12.4	14.3	16.5	18.6	20.7	21.9	22.9	23.2	23.2	22.7	22.6	22.3	20.2	16.4	14.5	13.7	11.0	16.8	23.2	11.0
12	10.5	8.8	8.0	7.4	7.3	7.6	10.1	15.8	18.4	19.9	20.6	21.4	22.2	22.7	23.4	23.6	23.6	24.2	23.1	21.3	19.6	19.5	19.2	18.3	17.4	24.2	7.3
13	17.8	16.6	15.9	13.9	11.1	9.0	8.7	12.0	16.9	20.5	22.0	23.3	24.4	24.9	25.4	25.8	25.9	25.6	24.0	19.6	16.1	12.8	11.2	10.0	18.1	25.9	8.7
14	8.8	7.6	6.9	6.3	6.0	5.1	5.4	9.5	17.3	21.3	22.7	23.7	24.5	25.1	25.8	26.7	26.9	26.5	25.0	23.1	21.3	14.3	12.4	12.1	16.8	26.9	5.1
15	11.7	11.0	10.1	9.6	8.8	8.3	8.7	8.7	8.3	8.5	9.0	9.2	9.9	10.3	10.8	11.4	11.2	11.1	10.8	10.0	9.3	9.1	9.0	8.1	9.7	11.7	8.1
16	7.4	6.5	6.7	7.5	8.0	7.8	8.2	9.2	10.2	11.5	13.3	15.4	17.5	19.0	19.8	20.6	21.2	21.4	20.6	17.8	13.5	10.1	9.4	7.9	12.9	21.4	6.5
17	6.4	5.4	4.3	3.4	2.6	2.2	2.1	7.1	13.9	19.0	20.5	21.6	22.5	23.4	24.1	24.4	24.3	23.7	22.1	19.0	15.1	11.1	8.5	7.9	13.9	24.4	2.1
18	7.1	5.9	4.5	4.1	2.9	2.5	3.4	8.0	14.4	19.2	21.1	22.3	23.2	24.0	24.7	25.1	25.6	24.6	22.7	20.7	17.4	15.8	12.8	10.0	15.1	25.6	2.5
19	9.4	8.6	8.7	7.7	6.0	4.5	5.3	9.2	15.9	20.9	22.6	24.0	25.3	25.6	25.3	25.2	25.1	25.0	22.9	19.7	15.5	14.3	13.3	11.7	16.3	25.6	4.5
20	10.2	8.3	8.4	8.6	8.7	7.7	7.0	11.0	17.3	23.0	24.6	25.5	26.2	26.6	25.9	26.5	26.4	25.1	23.9	22.4	18.7	16.4	14.3	12.4	17.7	26.6	7.0
21	11.7	11.4	10.0	10.6	8.8	8.4	7.8	11.3	17.1	Au	Au	Au	Au	27.4	27.2	26.8	24.9	23.6	22.8	19.0	15.3	14.5	14.4	13.4	16.3	27.4	7.8
22	12.6	11.6	10.3	9.4	8.4	8.0	7.1	9.3	12.8	16.5	18.7	19.3	20.8	21.5	22.3	22.8	23.0	22.8	21.8	18.2	13.7	11.9	10.1	8.3	15.1	23.0	7.1
23	6.5	5.7	5.1	4.0	3.5	3.3	3.6	6.6	12.6	18.9	21.0	21.8	22.6	23.2	23.7	24.1	24.3	24.3	22.6	17.3	14.6	11.8	10.4	9.4	14.2	24.3	3.3
24	9.3	7.8	7.4	5.3	4.1	2.8	2.4	5.3	12.2	15.1	15.6	15.4	15.7	16.3	16.6	16.6	16.2	15.4	14.4	12.6	10.6	5.7	3.0	1.0	10.3	16.6	1.0
25	-0.9	-1.5	-2.8	-3.3	-3.5	-3.7	-3.3	1.1	8.4	12.4	13.9	15.5	16.9	18.5	19.5	20.4	20.9	20.8	19.7	14.1	11.0	7.9	6.5	5.9	8.9	20.9	-3.7
26	5.4	5.0	3.7	2.9	2.2	1.9	1.5	5.0	13.7	16.7	18.0	19.3	20.6	22.0	23.1	24.0	23.7	22.1	21.3	20.3	18.9	18.8	16.1	17.0	14.3	24.0	1.5
27	14.6	13.3	13.4	13.1	10.0	8.7	7.8	12.1	19.9	22.2	24.0	25.5	27.0	27.8	27.9	27.9	24.9	22.5	22.3	20.7	18.6	16.3	14.8	13.0	18.7	27.9	7.8
28	11.3	9.4	8.5	7.6	6.2	5.5	6.3	9.7	17.5	24.1	26.5	27.5	28.7	29.4	29.7	30.0	30.2	30.0	28.6	22.5	20.5	18.1	15.0	16.1	19.1	30.2	5.5
29	15.5	17.0	13.2	10.3	8.3	6.7	5.8	9.0	16.8	19.7	20.5	20.4	21.2	21.8	22.6	22.6	22.1	20.8	19.0	16.8	14.5	12.3	8.8	6.7	15.5	22.6	5.8
30	6.2	4.1	4.3	2.9	1.3	0.6	0.6	4.2	10.7	16.2	17.6	19.1	20.4	21.6	22.6	22.7	22.8	22.4	20.4	14.6	13.1	12.4	11.2	9.7	12.6	22.8	0.6
31	8.3	6.6	6.0	4.4	3.8	4.0	4.3	5.8	10.4	17.1	23.3	24.0	25.0	25.7	25.7	26.1	26.1	23.9	21.3	19.9	18.4	18.4	16.2	14.1	15.8	26.1	3.8
Avg	10.0	8.9	8.1	7.4	6.4	5.6	5.9	9.4	14.8	18.5	20.2	21.3	22.2	23.0	23.5	23.9	23.6	23.0	21.9	19.2	16.4	14.3	12.5	11.1	15.4	24.2	5.3
Max	17.8	17.0	15.9	16.1	14.1	12.1	11.4	15.8	20.9	24.8	26.6	28.1	29.2	29.8	30.8	30.5	30.2	30.0	28.6	25.0	24.9	23.2	21.5	18.3	20.0	30.8	11.4
Min	-0.9	-1.5	-2.8	-3.3	-3.5	-3.7	-3.3	1.1	8.3	8.5	9.0	9.2	9.9	10.3	10.8	11.4	11.2	11.1	10.8	10.0	9.3	5.7	3.0	1.0	8.9	11.7	-3.7

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
September 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	13.5	12.9	12.0	11.5	12.3	13.0	12.5	13.4	14.9	17.3	18.4	19.1	20.9	21.9	17.5	12.9	13.3	12.2	13.4	11.2	9.8	9.0	7.3	5.8	13.6	21.9	5.8
2	4.5	2.7	1.6	0.6	-0.5	-1.7	-2.2	-0.3	5.5	13.2	14.8	16.4	17.5	18.5	19.5	20.3	20.3	19.6	18.8	16.1	15.3	12.3	10.6	7.5	10.5	20.3	-2.2
3	3.8	2.6	1.4	0.0	-1.2	-1.1	-2.0	3.1	11.6	14.1	15.2	16.4	17.3	18.3	19.2	19.7	19.9	19.8	18.1	13.1	9.1	8.0	7.4	7.1	10.0	19.9	-2.0
4	6.6	6.5	6.1	5.8	4.7	2.9	1.5	4.7	11.2	14.1	14.7	14.7	14.8	15.5	15.7	15.9	16.1	15.9	14.8	11.5	7.4	5.4	3.9	1.7	9.7	16.1	1.5
5	1.3	-0.1	-0.5	-0.9	-1.6	-1.8	-1.9	1.1	8.9	13.5	14.4	15.9	17.0	18.1	19.3	20.0	20.1	19.5	18.0	14.7	10.3	8.5	8.4	9.1	9.6	20.1	-1.9
6	8.9	10.5	9.3	7.1	6.0	5.3	5.5	6.8	8.6	11.2	12.6	13.2	13.9	14.2	14.1	14.0	13.1	12.0	11.0	10.4	9.6	7.6	5.5	4.3	9.8	14.2	4.3
7	2.7	1.5	1.6	-0.2	-0.4	-1.5	-1.3	1.2	6.9	11.7	14.0	15.1	16.5	17.7	18.7	19.6	20.0	19.9	17.6	11.7	10.0	7.9	5.4	2.9	9.1	20.0	-1.5
8	2.3	1.8	0.2	-0.2	-0.4	-1.1	-1.0	2.4	9.6	17.2	19.7	20.8	21.5	22.5	22.9	23.3	23.5	23.0	18.9	13.3	10.7	8.9	7.4	5.6	11.4	23.5	-1.1
9	4.3	3.1	2.8	2.4	1.5	1.7	1.3	4.5	10.7	19.6	21.9	23.6	24.8	25.6	25.9	25.2	25.2	25.1	22.1	18.5	15.3	13.6	12.7	10.4	14.2	25.9	1.3
10	8.7	6.9	7.0	6.3	4.5	4.3	4.0	5.1	10.8	15.9	17.4	18.9	19.4	20.3	20.8	20.6	20.0	18.3	16.5	15.1	13.6	11.7	9.3	8.3	12.7	20.8	4.0
11	6.5	3.7	1.7	-0.3	-1.4	-2.2	-2.9	-0.1	6.9	8.2	9.0	9.8	10.2	10.8	11.4	11.5	11.7	11.2	9.8	6.5	2.5	0.0	-1.6	-1.3	5.1	11.7	-2.9
12	-1.2	-1.1	-0.9	-0.9	-1.1	-2.8	-3.9	-1.4	4.5	7.4	8.2	9.0	9.8	11.0	11.9	12.3	12.8	12.8	11.2	6.6	3.1	1.1	-0.8	-1.8	4.4	12.8	-3.9
13	-2.5	-2.6	-2.4	-3.4	-4.2	-3.6	-4.0	-0.6	6.5	12.1	13.9	15.3	16.7	18.3	19.3	20.0	20.4	20.3	15.9	10.9	8.6	6.7	4.4	4.3	7.9	20.4	-4.2
14	3.5	2.7	1.4	0.9	0.4	-0.6	-0.1	1.0	5.7	14.8	20.3	21.3	21.9	23.0	23.0	22.8	23.3	22.7	19.1	14.2	12.4	10.6	9.5	8.5	11.8	23.3	-0.6
15	6.1	5.5	5.9	4.2	3.8	3.4	2.1	3.4	9.4	15.3	20.3	21.4	21.8	22.0	21.9	21.9	20.9	20.0	18.1	16.0	13.1	11.4	9.5	8.1	12.7	22.0	2.1
16	7.1	6.0	5.5	3.8	2.4	2.1	1.3	2.9	7.6	9.9	10.4	12.8	14.3	14.9	14.5	15.2	15.1	14.7	12.0	9.6	7.3	7.3	6.3	4.2	8.6	15.2	1.3
17	2.7	0.9	-0.3	-0.9	-1.6	-2.9	-2.1	-0.1	4.7	10.3	13.1	14.6	16.0	17.0	17.9	18.3	18.2	17.7	15.0	10.6	7.7	5.9	4.6	2.8	7.9	18.3	-2.9
18	2.3	1.1	0.7	0.0	-0.8	-0.4	-0.6	1.4	7.7	15.3	17.7	19.0	20.4	21.4	22.3	22.7	22.6	22.2	20.3	16.5	12.4	8.1	6.1	4.2	10.9	22.7	-0.8
19	3.1	4.4	4.7	2.6	0.5	0.4	-0.8	0.9	7.2	13.0	15.8	17.2	18.5	19.9	21.2	21.6	21.6	20.8	17.8	12.9	10.4	7.8	5.9	5.4	10.5	21.6	-0.8
20	2.9	2.2	0.7	1.0	0.0	0.9	0.1	2.0	8.3	15.1	17.8	18.4	19.4	20.4	20.8	20.9	20.6	19.6	17.7	13.1	10.2	8.0	5.9	4.4	10.4	20.9	0.0
21	2.6	2.5	2.1	1.3	1.1	0.0	0.4	2.8	9.2	16.5	20.3	21.6	22.5	23.1	23.6	23.5	23.1	21.9	19.1	15.2	13.0	10.9	10.6	9.2	12.3	23.6	0.0
22	9.9	8.0	5.8	4.7	3.4	3.0	2.2	3.5	9.6	17.5	18.6	20.0	20.8	21.6	22.2	22.2	21.3	19.6	18.4	17.8	16.9	16.4	14.7	13.1	13.8	22.2	2.2
23	9.4	7.5	6.5	4.4	4.3	3.2	2.9	3.4	6.4	12.9	19.3	21.1	22.1	22.8	22.8	22.2	21.1	19.6	17.6	16.6	13.9	10.5	8.1	6.5	12.7	22.8	2.9
24	5.2	5.0	4.4	3.7	2.8	2.9	1.9	3.0	6.8	12.8	17.7	19.8	20.9	21.3	21.6	21.8	21.7	20.1	17.4	13.0	10.7	8.8	6.6	5.8	11.5	21.8	1.9
25	4.0	3.5	2.4	2.4	0.5	1.0	0.0	1.0	4.9	11.0	16.3	17.8	18.1	19.0	19.6	20.0	20.0	18.7	16.0	12.7	10.5	9.2	6.0	5.0	10.0	20.0	0.0
26	4.4	4.6	3.7	1.7	1.0	1.2	1.1	1.9	6.3	9.6	11.7	13.8	15.2	16.8	17.4	17.7	17.4	15.4	14.0	12.5	10.5	8.1	6.2	5.7	9.1	17.7	1.0
27	5.3	4.2	2.9	1.9	1.4	1.1	-0.2	1.1	5.5	10.8	14.6	16.1	17.2	18.0	18.6	18.8	19.0	18.4	13.3	10.2	7.3	5.7	4.8	3.9	9.2	19.0	-0.2
28	3.0	2.9	2.5	2.2	0.8	0.9	0.0	1.6	5.5	12.0	16.9	18.4	19.4	20.3	21.1	21.6	20.9	18.3	14.1	11.5	9.2	6.4	5.2	4.0	9.9	21.6	0.0
29	2.8	2.6	2.1	2.2	2.7	1.7	2.6	4.5	8.4	13.0	15.2	16.0	16.7	17.1	17.5	18.3	18.2	17.3	13.7	9.8	8.4	6.1	4.6	2.9	9.3	18.3	1.7
30	2.0	1.1	0.1	0.0	-0.5	-0.3	0.6	1.2	6.4	13.2	14.7	15.4	16.0	16.3	16.4	16.8	16.6	15.5	12.4	8.5	6.9	4.5	3.4	1.8	7.9	16.8	-0.5
Avg	4.5	3.8	3.0	2.1	1.3	1.0	0.6	2.5	7.9	13.3	15.8	17.1	18.1	18.9	19.3	19.4	19.3	18.4	16.1	12.7	10.2	8.2	6.6	5.3	10.2	19.8	0.1
Max	13.5	12.9	12.0	11.5	12.3	13.0	12.5	13.4	14.9	19.6	21.9	23.6	24.8	25.6	25.9	25.2	25.2	25.1	22.1	18.5	16.9	16.4	14.7	13.1	14.2	25.9	5.8
Min	-2.5	-2.6	-2.4	-3.4	-4.2	-3.6	-4.0	-1.4	4.5	7.4	8.2	9.0	9.8	10.8	11.4	11.5	11.7	11.2	9.8	6.5	2.5	0.0	-1.6	-1.8	4.4	11.7	-4.2

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
July 2012

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	16.1	19.7	18.2	17.1	14.8	11.5	14.6	17.2	19.4	20.2	21.5	22.8	24.0	24.0	23.6	23.6	22.3	20.2	15.7	12.3	12.0	12.0	11.6	10.0	17.7	24.0	10.0
2	9.0	7.4	6.6	5.8	5.2	5.5	6.9	11.1	14.3	16.3	17.9	19.0	20.1	21.0	22.9	23.8	24.4	24.6	23.6	22.1	19.5	17.0	19.7	20.1	16.0	24.6	5.2
3	19.6	18.5	17.2	16.5	15.4	16.0	18.2	21.3	23.1	25.4	23.8	23.2	22.9	23.5	24.3	23.8	23.5	23.0	20.7	18.7	15.8	14.3	12.2	11.3	19.7	25.4	11.3
4	9.4	8.3	4.0	1.6	1.1	1.5	4.4	10.3	12.3	13.9	15.8	17.7	19.3	20.5	21.4	21.8	21.9	22.0	20.9	19.1	14.5	12.9	11.6	9.4	13.2	22.0	1.1
5	6.8	5.2	4.8	4.1	3.3	3.7	6.5	11.6	16.0	15.9	15.9	17.0	18.0	18.2	20.3	20.0	18.9	17.9	17.4	16.0	15.0	12.2	10.7	8.1	12.6	20.3	3.3
6	7.4	6.6	5.4	4.2	3.0	3.9	7.2	11.8	17.0	19.2	18.6	20.8	23.0	24.1	24.6	24.5	22.7	23.0	21.5	19.5	15.1	13.2	11.6	8.5	14.9	24.6	3.0
7	6.7	7.3	6.4	6.4	5.2	7.3	10.0	15.8	16.3	17.0	17.6	20.3	22.4	25.0	25.9	26.5	26.0	23.1	22.0	21.4	19.1	17.7	16.2	12.3	16.4	26.5	5.2
8	11.5	9.7	8.4	6.7	5.7	6.5	10.2	14.6	20.0	22.7	24.1	25.2	26.1	26.6	27.3	26.7	24.7	22.6	22.7	19.6	16.6	14.4	12.6	11.5	17.4	27.3	5.7
9	11.1	8.9	8.7	8.1	6.5	5.8	10.1	15.2	20.2	24.3	26.9	27.6	27.6	28.4	29.4	29.1	29.2	28.7	25.8	22.5	20.7	19.7	17.5	16.3	19.5	29.4	5.8
10	12.5	11.8	9.1	8.9	7.5	7.6	10.0	14.6	21.1	23.6	22.7	24.0	25.3	26.7	27.1	27.3	27.1	25.2	22.6	20.5	17.6	14.7	10.8	9.8	17.8	27.3	7.5
11	9.4	7.7	5.8	4.8	4.5	6.3	10.0	14.9	19.2	22.7	24.6	25.8	26.6	27.0	26.8	26.3	24.7	23.1	21.1	18.9	15.1	13.4	10.6	10.6	16.7	27.0	4.5
12	9.3	7.9	7.0	5.0	5.3	5.0	8.8	13.9	19.8	23.4	25.7	26.4	27.4	27.8	28.6	28.9	28.7	28.5	27.9	22.9	18.0	16.2	14.5	11.8	18.3	28.9	5.0
13	10.2	8.8	8.2	7.7	8.3	7.7	10.8	14.2	19.6	23.6	24.3	23.9	24.6	24.9	25.5	26.1	24.6	24.2	22.7	22.6	20.6	17.1	15.6	15.5	18.0	26.1	7.7
14	14.9	14.2	14.0	13.9	13.1	13.0	13.6	14.9	15.9	17.9	22.1	22.1	21.6	21.8	21.3	22.8	23.7	23.4	21.6	20.2	17.6	14.9	13.9	13.9	17.8	23.7	13.0
15	13.8	13.7	13.6	12.9	12.6	12.3	13.1	14.0	14.3	15.6	17.8	19.5	20.9	22.3	21.3	19.9	19.6	19.2	19.5	17.9	14.5	11.9	11.2	10.4	15.9	22.3	10.4
16	9.3	9.0	8.6	7.0	5.7	6.2	8.7	12.4	16.8	19.7	20.8	21.9	23.0	23.6	23.3	21.0	14.9	14.2	14.0	13.2	12.3	11.7	11.1	10.1	14.1	23.6	5.7
17	8.9	7.8	7.5	7.0	6.6	7.1	10.5	15.6	17.7	18.8	20.1	21.2	22.1	22.8	22.1	23.4	24.1	24.2	22.9	22.2	18.9	16.1	14.2	13.1	16.5	24.2	6.6
18	11.1	10.2	9.7	8.6	8.3	7.0	10.3	15.0	19.8	23.7	25.0	26.2	27.3	27.8	28.1	28.4	27.6	27.5	26.3	22.4	18.7	14.6	13.3	11.3	18.7	28.4	7.0
19	11.2	9.8	7.7	7.6	6.3	6.6	9.6	14.4	19.5	23.2	25.0	26.3	27.0	27.1	27.1	26.0	25.4	25.7	25.0	21.5	17.7	15.2	14.5	11.6	18.0	27.1	6.3
20	9.8	9.3	10.0	11.4	13.5	17.9	19.1	17.1	16.1	16.7	18.9	22.6	24.3	25.7	27.1	27.7	26.3	17.4	17.3	17.2	15.0	13.8	13.7	14.3	17.6	27.7	9.3
21	13.2	11.1	10.3	9.4	8.1	7.5	10.1	14.3	18.3	20.5	22.1	24.3	25.5	26.1	26.7	27.1	27.2	26.7	25.1	21.5	18.3	15.1	13.1	11.1	18.0	27.2	7.5
22	9.5	8.1	7.2	6.6	5.4	5.5	9.0	13.8	19.9	22.9	24.2	25.6	26.8	27.3	28.3	27.3	27.1	25.0	18.7	17.3	16.3	16.5	16.5	16.8	17.6	28.3	5.4
23	16.7	15.0	15.6	15.6	13.4	13.2	16.8	19.9	22.5	23.9	25.3	26.9	28.0	28.1	26.3	24.1	23.1	19.9	21.4	19.9	16.0	14.3	13.5	13.7	19.7	28.1	13.2
24	13.9	12.1	10.4	8.9	7.5	5.9	7.2	11.9	16.2	18.0	19.1	19.9	21.6	22.4	23.3	24.0	24.0	23.3	22.2	19.2	15.8	11.6	8.2	6.7	15.6	24.0	5.9
25	5.6	4.9	4.2	3.5	2.4	2.1	5.2	10.5	15.2	17.6	18.7	20.0	21.2	22.1	22.9	23.2	23.1	22.7	21.3	19.0	16.4	12.8	9.1	8.2	13.8	23.2	2.1
26	7.1	6.2	5.2	5.0	4.2	3.7	6.8	11.6	16.8	19.9	21.4	22.7	24.2	25.1	24.3	19.0	17.0	20.2	19.8	18.0	14.8	14.5	15.2	14.5	14.9	25.1	3.7
27	13.6	11.3	9.0	7.9	6.6	6.9	9.1	10.5	14.7	19.1	16.6	18.3	20.7	23.2	24.7	24.9	25.3	24.2	19.3	13.9	12.9	13.2	13.0	11.4	15.4	25.3	6.6
28	10.7	9.9	9.5	8.8	6.9	7.4	8.3	12.1	16.6	20.5	23.1	24.8	26.1	27.6	28.0	26.7	23.7	24.0	21.3	16.4	15.1	15.0	13.1	11.3	17.0	28.0	6.9
29	11.3	11.0	10.3	9.1	7.7	6.1	8.9	13.2	18.3	22.3	24.1	25.3	26.3	27.1	27.9	27.9	27.3	27.6	24.3	21.4	19.9	19.4	15.7	14.3	18.6	27.9	6.1
30	11.0	9.5	9.7	7.8	6.4	5.8	9.0	13.9	19.8	24.1	26.0	27.6	28.7	29.7	29.7	29.7	28.4	27.8	24.5	23.6	22.3	19.6	16.0	12.1	19.3	29.7	5.8
31	9.8	9.4	8.0	6.5	6.1	5.1	8.0	13.5	19.6	22.3	23.9	25.3	26.4	27.4	27.6	27.8	27.6	27.2	25.4	22.1	17.9	16.0	14.3	13.8	18.0	27.8	5.1
Avg	11.0	10.0	9.0	8.2	7.3	7.3	10.0	14.0	17.9	20.5	21.7	23.0	24.2	25.0	25.4	25.1	24.3	23.4	21.8	19.5	16.8	14.9	13.4	12.1	16.9	26.0	6.5
Max	19.6	19.7	18.2	17.1	15.4	17.9	19.1	21.3	23.1	25.4	26.9	27.6	28.7	29.7	29.7	29.7	29.2	28.7	27.9	23.6	22.3	19.7	19.7	20.1	19.7	29.7	13.2
Min	5.6	4.9	4.0	1.6	1.1	1.5	4.4	10.3	12.3	13.9	15.8	17.0	18.0	18.2	20.3	19.0	14.9	14.2	14.0	12.3	12.0	11.6	8.2	6.7	12.6	20.3	1.1

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
August 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	11.9	10.4	10.2	8.5	7.5	6.2	8.3	13.4	18.3	20.6	22.1	23.0	23.8	24.4	25.0	25.3	25.6	24.9	23.1	18.8	15.0	13.1	10.1	8.0	16.6	25.6	6.2
2	6.8	6.7	5.2	4.2	3.3	2.2	5.7	11.3	17.5	20.0	21.3	22.2	22.6	23.6	22.8	21.7	20.0	19.0	18.6	17.5	17.2	15.6	12.8	10.6	14.5	23.6	2.2
3	9.8	9.5	8.5	7.7	6.5	5.9	6.1	7.4	8.9	9.6	11.0	12.6	13.6	13.8	15.0	15.9	15.7	14.9	14.3	12.0	9.3	7.7	5.9	5.5	10.3	15.9	5.5
4	3.5	2.5	1.0	0.3	-0.1	-0.4	1.3	6.2	11.7	14.9	16.4	17.9	19.4	20.4	21.4	22.2	22.4	22.5	22.2	17.4	12.7	8.9	7.2	6.2	11.6	22.5	-0.4
5	5.1	4.2	4.6	3.4	2.7	2.5	4.6	10.9	17.1	22.2	24.2	25.5	26.6	27.9	28.3	29.0	29.0	28.7	27.3	22.7	18.2	15.9	13.0	9.9	16.8	29.0	2.5
6	9.0	8.2	8.8	8.2	6.9	6.3	7.7	12.4	16.5	21.4	25.5	27.7	29.1	28.4	27.9	28.7	26.0	24.4	23.2	21.7	18.9	16.4	15.8	13.9	18.0	29.1	6.3
7	11.5	9.2	7.8	6.2	5.2	3.9	6.4	11.6	18.2	22.5	24.6	26.0	27.3	27.6	28.1	28.5	28.2	27.4	25.6	22.1	16.1	12.8	10.8	8.6	17.3	28.5	3.9
8	7.2	6.5	6.3	5.7	5.4	5.1	7.3	12.9	21.4	25.6	27.4	29.1	30.3	30.8	31.5	31.0	28.3	25.4	24.0	24.0	24.2	22.4	20.9	16.9	19.6	31.5	5.1
9	14.2	12.3	10.9	9.0	8.6	7.2	8.4	12.0	17.8	22.6	24.2	25.5	27.0	27.7	27.4	27.5	28.1	27.4	26.0	22.1	19.3	18.8	15.3	13.5	18.9	28.1	7.2
10	12.5	11.9	12.5	15.3	13.4	11.6	11.1	13.4	16.8	21.3	22.4	21.9	19.8	18.3	19.5	21.1	20.4	19.5	19.2	17.0	14.8	14.6	15.6	14.5	16.6	22.4	11.1
11	14.1	12.8	11.9	11.5	11.5	11.2	11.2	12.6	14.6	17.0	19.4	21.7	22.8	24.1	24.3	23.9	22.8	22.6	22.4	19.4	15.2	13.7	12.2	9.6	16.8	24.3	9.6
12	8.2	7.2	6.8	5.5	5.8	6.1	8.6	15.7	19.1	20.9	22.0	22.7	23.4	23.4	23.8	24.0	23.7	24.6	22.9	20.9	18.8	19.2	19.0	18.0	17.1	24.6	5.5
13	17.5	16.2	14.8	11.4	9.6	8.0	8.3	12.3	17.3	21.2	23.0	24.3	25.6	25.9	26.4	26.6	26.5	25.7	23.2	18.4	15.0	11.2	9.9	8.7	17.8	26.6	8.0
14	7.3	6.1	5.8	4.7	4.5	3.6	5.1	9.8	17.8	22.1	23.6	24.8	25.7	26.4	27.0	27.6	27.4	26.7	24.7	21.9	20.7	14.3	12.6	12.2	16.8	27.6	3.6
15	11.7	10.9	10.1	9.6	8.9	8.2	8.7	8.7	8.4	8.8	9.5	9.8	10.5	10.7	11.5	12.0	11.7	11.6	11.1	10.2	9.5	9.3	9.0	7.2	9.9	12.0	7.2
16	6.8	6.0	6.1	7.1	8.1	7.9	8.5	9.5	10.8	12.4	14.2	16.2	18.4	20.0	20.9	21.5	22.0	21.9	20.4	16.7	12.6	9.1	8.5	7.2	13.0	22.0	6.0
17	5.1	4.2	3.0	1.7	1.4	1.1	2.0	7.4	14.3	19.5	21.2	22.5	23.4	24.4	25.2	25.4	25.1	24.1	21.8	16.6	13.0	9.0	6.9	6.6	13.5	25.4	1.1
18	5.4	3.7	2.8	2.8	1.5	1.2	2.3	8.4	14.9	19.8	21.7	23.1	24.1	25.1	25.5	25.8	26.2	25.1	22.6	19.9	15.6	13.7	11.5	9.1	14.7	26.2	1.2
19	8.2	6.3	5.7	5.5	4.4	2.9	4.0	9.6	16.3	21.5	23.4	24.7	26.2	26.5	25.8	25.5	25.2	25.1	21.9	18.3	14.7	13.8	12.6	11.2	15.8	26.5	2.9
20	9.0	6.8	7.4	7.5	7.7	6.3	6.8	11.2	17.6	23.4	25.3	26.5	27.3	27.7	26.4	27.4	27.0	24.7	22.4	20.7	17.4	15.1	12.6	11.0	17.3	27.7	6.3
21	10.1	9.0	8.2	9.2	7.0	6.7	6.6	11.6	17.4	Au	Au	Au	Au	28.4	28.0	26.7	24.6	23.2	22.1	18.4	14.8	13.9	13.8	13.0	15.6	28.4	6.6
22	12.3	11.4	10.0	9.2	8.2	7.8	7.0	9.5	13.2	17.1	19.5	19.9	21.8	22.5	23.3	23.6	23.6	22.9	21.2	16.9	12.5	11.2	8.8	6.8	15.0	23.6	6.8
23	5.2	4.0	2.9	2.5	1.9	2.1	2.6	6.8	13.0	19.4	21.8	22.8	23.8	24.3	24.7	25.0	24.8	24.4	22.1	15.9	12.5	10.4	9.3	8.4	13.8	25.0	1.9
24	8.2	6.9	6.4	3.8	2.9	1.2	1.6	5.5	12.6	15.9	16.6	16.6	16.9	17.6	17.7	17.5	16.9	15.8	14.2	11.6	8.9	4.6	1.9	-0.3	10.1	17.7	-0.3
25	-2.1	-2.9	-4.3	-4.6	-5.1	-5.4	-4.1	1.5	9.0	13.3	14.9	16.8	18.0	19.7	20.6	21.3	21.7	21.1	19.3	12.6	9.6	5.8	4.7	3.4	8.5	21.7	-5.4
26	3.6	3.9	1.9	1.1	0.5	0.5	0.7	5.2	14.1	17.5	19.2	20.7	21.9	23.2	24.1	24.9	24.3	22.2	21.2	19.6	18.0	17.5	14.6	16.0	14.0	24.9	0.5
27	13.7	12.7	12.9	12.1	8.4	6.4	6.6	12.2	20.3	22.9	24.9	26.5	28.1	28.7	28.8	28.2	24.5	22.1	21.8	20.4	17.4	15.2	13.8	11.1	18.3	28.8	6.4
28	9.8	7.7	6.3	5.4	4.5	3.6	5.5	10.1	17.9	24.5	27.4	28.6	30.0	30.6	30.9	31.0	30.8	30.1	26.6	20.8	18.9	15.8	12.4	13.8	18.5	31.0	3.6
29	12.9	14.0	11.8	8.6	6.1	4.8	4.8	9.2	17.3	20.3	21.3	21.4	22.4	22.9	23.6	23.4	22.6	20.7	17.5	15.0	12.8	10.5	7.2	4.7	14.8	23.6	4.7
30	4.1	3.2	2.3	0.9	-0.3	-1.0	0.2	4.3	11.0	17.1	18.6	20.2	21.7	22.7	23.7	23.5	23.4	22.5	19.3	13.9	12.2	10.6	8.7	7.5	12.1	23.7	-1.0
31	6.1	4.5	3.8	2.1	2.0	2.5	2.4	5.3	10.7	17.5	24.1	24.9	26.0	26.7	26.4	26.8	26.5	24.1	20.9	19.7	17.3	17.7	15.8	13.5	15.3	26.8	2.0
Avg	8.7	7.6	6.9	6.0	5.1	4.4	5.4	9.6	15.2	19.1	21.0	22.2	23.3	24.0	24.4	24.6	24.0	23.1	21.4	18.2	15.3	13.2	11.4	9.9	15.1	25.0	4.1
Max	17.5	16.2	14.8	15.3	13.4	11.6	11.2	15.7	21.4	25.6	27.4	29.1	30.3	30.8	31.5	31.0	30.8	30.1	27.3	24.0	24.2	22.4	20.9	18.0	19.6	31.5	11.1
Min	-2.1	-2.9	-4.3	-4.6	-5.1	-5.4	-4.1	1.5	8.4	8.8	9.5	9.8	10.5	10.7	11.5	12.0	11.7	11.6	11.1	10.2	8.9	4.6	1.9	-0.3	8.5	12.0	-5.4

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
September 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	13.1	12.7	11.9	11.3	12.0	12.8	12.3	13.6	15.5	18.0	19.0	19.7	21.9	23.1	17.7	12.6	13.0	12.2	13.1	10.8	9.6	8.8	6.8	5.0	13.6	23.1	5.0
2	3.4	1.8	0.7	0.2	-1.1	-2.4	-2.7	-0.1	5.8	13.7	15.6	17.4	18.6	19.6	20.5	21.2	20.8	19.2	17.9	14.8	14.0	10.5	8.7	6.1	10.2	21.2	-2.7
3	2.5	1.7	0.2	-1.7	-2.7	-2.3	-2.7	3.1	12.1	14.9	16.2	17.6	18.5	19.4	20.4	20.7	20.6	20.0	16.7	11.4	8.4	7.5	6.9	6.4	9.8	20.7	-2.7
4	5.9	5.5	5.2	4.9	3.7	1.8	0.6	5.0	11.8	14.9	15.7	15.9	16.0	16.8	16.8	16.6	16.7	16.2	13.8	10.0	6.7	4.3	2.9	0.1	9.5	16.8	0.1
5	-0.9	-1.6	-1.9	-2.7	-3.2	-3.5	-3.3	1.4	9.3	14.3	15.5	17.1	18.3	19.4	20.4	21.0	20.7	19.6	16.7	12.7	9.2	7.6	7.0	7.7	9.2	21.0	-3.5
6	7.3	9.8	8.1	6.0	5.2	4.4	4.8	7.0	9.1	11.8	13.6	13.8	14.8	14.8	15.2	14.9	13.6	12.4	11.2	10.5	9.7	7.2	4.6	2.8	9.7	15.2	2.8
7	0.9	0.7	1.0	-1.3	-2.0	-2.6	-2.5	1.2	7.1	12.2	15.0	16.2	17.6	18.8	19.6	20.2	20.8	20.1	16.3	10.9	9.0	7.0	3.1	1.3	8.8	20.8	-2.6
8	0.4	-0.2	-1.5	-2.2	-2.9	-3.2	-2.8	2.6	9.9	17.7	20.4	21.8	22.3	23.4	23.8	24.0	24.1	22.9	17.8	12.4	9.4	7.4	5.7	3.5	10.7	24.1	-3.2
9	2.5	1.6	0.6	0.5	-0.7	-0.2	-0.2	4.4	11.0	20.2	22.8	24.8	25.9	26.7	26.5	25.1	25.5	25.2	20.7	17.0	13.4	11.6	11.0	9.4	13.6	26.7	-0.7
10	7.3	5.5	5.9	5.1	3.0	3.0	2.8	5.2	11.1	16.6	18.3	19.9	20.4	21.4	21.7	21.1	20.2	18.1	15.9	14.6	12.6	10.6	8.1	7.0	12.3	21.7	2.8
11	3.8	1.6	0.2	-1.5	-3.0	-3.8	-3.9	-0.1	7.4	9.0	10.1	11.1	11.5	12.0	12.5	12.4	12.3	11.3	8.8	4.0	1.5	-1.0	-2.1	-2.2	4.7	12.5	-3.9
12	-1.8	-2.0	-1.5	-1.6	-2.9	-4.2	-5.0	-1.3	5.0	8.3	9.1	9.9	10.7	11.9	13.0	13.2	13.5	13.0	10.1	5.4	2.1	-0.8	-2.2	-3.1	4.1	13.5	-5.0
13	-4.0	-3.8	-3.9	-4.9	-5.0	-5.6	-5.2	-0.6	7.0	12.7	14.7	16.2	17.6	19.0	20.2	20.8	20.9	20.4	15.0	10.6	7.2	4.6	2.9	2.8	7.5	20.9	-5.6
14	0.9	-0.2	-1.0	-1.7	-2.6	-2.4	-1.9	0.6	6.0	15.2	20.9	22.2	22.9	24.0	23.5	23.2	23.5	22.4	17.3	13.2	11.7	9.8	8.1	6.6	10.9	24.0	-2.6
15	4.4	4.1	4.4	2.2	1.9	1.3	0.3	3.2	9.6	15.8	20.9	22.2	22.7	22.9	22.7	22.6	21.0	19.5	16.9	15.2	12.2	10.9	8.5	7.2	12.2	22.9	0.3
16	6.1	4.4	3.9	2.6	0.9	0.8	-0.2	2.7	7.8	10.6	11.1	13.9	15.5	16.2	15.4	16.0	15.7	14.9	11.1	8.1	5.8	6.5	4.8	2.9	8.2	16.2	-0.2
17	2.0	-0.3	-1.8	-2.0	-3.3	-4.1	-3.5	-0.1	5.1	10.8	14.1	15.7	17.2	18.2	19.0	19.1	18.7	17.7	13.8	9.7	6.7	4.6	3.7	1.7	7.6	19.1	-4.1
18	0.8	0.0	-0.5	-1.6	-2.5	-2.1	-2.1	1.4	8.0	16.0	18.6	20.1	21.6	22.6	23.4	23.4	23.0	22.0	19.4	14.4	9.9	7.1	4.6	2.2	10.4	23.4	-2.5
19	1.2	1.7	2.7	1.0	-0.6	-2.0	-2.3	0.7	7.6	13.5	16.5	18.3	19.6	20.9	22.1	22.5	21.9	20.5	16.4	11.1	9.3	6.9	4.9	4.4	10.0	22.5	-2.3
20	1.3	0.0	-0.5	-1.0	-1.5	-0.5	-1.6	2.0	8.6	15.4	18.6	19.4	20.5	21.5	21.7	21.4	20.9	19.0	15.9	11.5	8.6	6.5	4.4	2.3	9.8	21.7	-1.6
21	1.3	1.2	0.4	-0.1	-0.8	-1.6	-1.5	2.9	9.4	16.9	21.1	22.7	23.7	24.2	24.6	24.3	23.6	21.8	17.9	14.4	11.5	9.2	8.5	6.7	11.8	24.6	-1.6
22	7.6	5.8	3.8	3.1	1.9	0.8	0.4	3.4	9.9	18.3	19.7	21.3	22.0	22.7	23.2	23.0	21.6	19.4	17.9	16.7	15.3	14.8	12.7	9.7	13.1	23.2	0.4
23	8.2	6.7	4.8	2.3	2.6	1.5	1.4	2.3	6.6	13.3	20.0	22.1	23.3	24.0	23.9	23.0	21.3	19.3	16.1	14.7	11.1	9.3	6.6	5.2	12.1	24.0	1.4
24	4.3	3.7	3.2	2.1	1.5	1.1	0.2	2.0	7.1	13.2	18.1	20.5	21.7	22.0	22.3	22.4	22.0	19.6	15.6	11.8	9.4	6.8	5.2	4.6	10.9	22.4	0.2
25	2.8	1.5	1.0	0.2	-0.8	-1.4	-2.0	0.0	5.3	11.4	16.9	18.7	18.7	19.6	20.2	20.3	20.0	18.4	15.1	11.6	9.1	7.3	4.5	3.1	9.2	20.3	-2.0
26	2.6	3.2	1.5	0.3	-0.5	0.0	0.1	2.0	6.8	10.3	12.4	14.7	16.1	17.7	18.3	18.5	17.9	15.3	13.5	11.6	9.6	7.0	5.2	4.7	8.7	18.5	-0.5
27	4.2	2.6	1.6	0.7	0.1	-0.6	-1.3	0.4	5.8	11.3	15.1	17.0	18.1	18.9	19.4	19.3	19.5	18.2	12.7	9.2	5.6	4.0	2.8	2.1	8.6	19.5	-1.3
28	1.4	1.4	1.3	0.9	-0.4	-0.5	-1.6	0.9	5.9	12.4	17.6	19.3	20.3	21.2	22.0	22.3	21.0	17.6	13.3	10.8	8.0	4.6	3.3	2.3	9.4	22.3	-1.6
29	1.3	1.0	0.7	1.0	1.1	0.7	1.8	4.3	8.7	13.3	16.1	16.9	17.6	17.7	18.3	19.0	18.4	16.6	12.1	9.3	7.4	4.5	3.1	1.1	8.8	19.0	0.7
30	0.2	-0.9	-1.3	-1.9	-1.8	-1.4	-0.4	0.9	6.8	13.8	15.7	16.5	17.1	17.4	17.1	17.4	16.8	14.8	11.3	7.6	5.9	3.1	2.0	0.1	7.4	17.4	-1.9
Avg	3.0	2.3	1.6	0.7	-0.1	-0.5	-0.7	2.4	8.2	13.9	16.6	18.1	19.1	19.9	20.2	20.0	19.6	18.3	15.0	11.5	9.0	6.9	5.2	3.8	9.8	20.6	-1.3
Max	13.1	12.7	11.9	11.3	12.0	12.8	12.3	13.6	15.5	20.2	22.8	24.8	25.9	26.7	26.5	25.1	25.5	25.2	20.7	17.0	15.3	14.8	12.7	9.7	13.6	26.7	5.0
Min	-4.0	-3.8	-3.9	-4.9	-5.0	-5.6	-5.2	-1.3	5.0	8.3	9.1	9.9	10.7	11.9	12.5	12.4	12.3	11.3	8.8	4.0	1.5	-1.0	-2.2	-3.1	4.1	12.5	-5.6

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
July 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.17	0.33	0.59	0.98	1.70	1.20	-0.09	-0.37	-0.60	-0.68	-0.81	-0.81	-0.95	-0.89	-0.61	-0.57	-0.24	0.26	0.43	0.12	0.02	-0.04	0.07	0.42	0.03	1.70	-0.95
2	0.28	0.52	0.41	0.25	0.14	-0.09	-0.24	-0.45	-0.58	-0.59	-0.74	-0.76	-0.63	-0.60	-0.75	-0.67	-0.52	-0.18	0.42	0.35	0.80	1.26	0.35	0.14	-0.08	1.26	-0.76
3	0.26	0.47	0.72	0.76	1.48	0.68	0.07	-0.10	-0.41	-0.40	-0.54	-0.80	-0.67	-0.72	-0.81	-0.62	-0.48	-0.32	0.07	0.20	0.48	0.47	0.63	0.57	0.04	1.48	-0.81
4	0.96	1.03	1.22	0.91	0.46	0.06	-0.30	-0.48	-0.74	-0.83	-0.88	-0.88	-0.99	-0.97	-0.91	-0.69	-0.57	-0.39	0.13	0.47	1.17	1.37	1.66	1.27	0.09	1.66	-0.99
5	1.60	1.23	0.92	1.36	0.99	0.66	-0.11	-0.11	-0.02	0.10	-0.15	-0.24	-0.28	-0.33	-0.36	-0.30	-0.11	-0.13	0.05	0.21	0.41	0.37	0.34	0.83	0.29	1.60	-0.36
6	0.73	0.58	0.86	1.40	1.51	0.69	-0.17	-0.32	-0.54	-0.45	-0.29	-0.56	-0.61	-0.82	-0.65	-0.43	0.39	-0.14	0.39	0.46	1.41	1.25	0.92	1.34	0.29	1.51	-0.82
7	1.91	1.73	0.81	1.02	1.70	0.91	0.11	1.25	0.82	1.19	0.82	-0.09	-0.46	-0.68	-0.76	-0.81	-0.26	0.64	0.61	0.37	0.56	0.51	0.38	0.81	0.55	1.91	-0.81
8	0.60	0.91	1.04	1.50	1.38	0.48	-0.26	-0.33	-0.40	-0.45	-0.68	-0.93	-0.93	-0.80	-0.96	-0.59	0.69	0.83	-0.21	-0.09	0.91	0.22	0.06	0.17	0.09	1.50	-0.96
9	0.25	0.61	0.46	0.61	1.33	1.64	-0.18	-0.37	-0.35	-0.40	-0.50	-0.66	-0.46	-0.69	-0.90	-0.65	-0.73	-0.54	0.27	1.65	1.53	1.58	1.74	0.19	0.23	1.74	-0.90
10	1.23	0.80	1.46	1.01	1.57	1.04	-0.25	-0.36	-0.35	-0.61	-0.04	-0.32	-0.47	-0.75	-0.69	-0.55	-0.23	0.90	1.70	0.33	1.63	1.53	1.91	1.11	0.48	1.91	-0.75
11	0.87	1.10	1.22	1.40	1.56	0.45	-0.07	-0.43	-0.40	-0.44	-0.66	-0.84	-1.02	-0.96	-0.62	-0.25	0.55	0.41	0.21	1.20	1.25	0.80	1.39	0.62	0.31	1.56	-1.02
12	0.91	0.90	1.18	1.19	1.11	1.26	-0.24	-0.44	-0.36	-0.46	-0.78	-0.72	-1.02	-0.76	-0.87	-0.69	-0.54	-0.33	0.20	1.64	0.93	0.64	0.99	1.22	0.21	1.64	-1.02
13	1.63	2.02	1.57	1.68	1.27	1.87	0.71	0.29	-0.34	-0.39	-0.41	-0.08	-0.04	-0.27	-0.39	-0.15	0.05	0.25	0.75	0.24	0.09	0.45	0.34	0.56	0.49	2.02	-0.41
14	0.62	0.44	0.26	0.32	0.75	0.32	0.02	-0.11	-0.17	-0.35	-0.82	-0.61	-0.32	-0.43	-0.40	-0.82	-0.70	-0.43	0.32	0.49	0.00	0.07	0.01	-0.02	-0.06	0.75	-0.82
15	-0.07	-0.11	-0.07	0.15	0.01	-0.13	-0.16	-0.22	-0.22	-0.26	-0.72	-0.72	-0.75	-0.76	-0.55	-0.27	-0.18	-0.34	-0.27	0.74	0.96	0.50	0.37	0.27	-0.12	0.96	-0.76
16	0.48	0.50	0.43	0.59	0.83	0.34	-0.25	-0.38	-0.41	-0.59	-0.54	-0.54	-0.69	-0.58	-0.49	0.09	0.07	0.01	0.02	0.06	0.15	0.26	0.20	0.28	-0.01	0.83	-0.69
17	0.54	0.52	0.69	0.76	0.88	0.46	-0.27	-0.42	-0.66	-0.59	-0.55	-0.65	-0.69	-0.70	-0.35	-0.62	-0.49	-0.26	0.55	0.71	1.49	0.24	0.09	0.19	0.04	1.49	-0.70
18	0.52	0.35	0.55	0.49	0.37	0.72	-0.21	-0.30	-0.28	-0.48	-0.57	-0.61	-0.66	-0.66	-0.59	-0.49	0.04	0.17	0.76	2.13	0.91	0.85	0.66	0.69	0.18	2.13	-0.66
19	0.64	0.93	0.94	1.24	1.12	1.09	-0.12	-0.41	-0.38	-0.39	-0.54	-0.63	-0.58	-0.08	0.00	0.51	1.06	0.12	0.14	0.99	0.96	0.75	0.78	1.18	0.39	1.24	-0.63
20	1.85	1.24	1.29	1.56	1.93	1.37	0.82	0.53	0.59	-0.05	-0.24	-0.72	-0.89	-0.78	-0.79	-0.61	0.00	0.46	-0.13	0.10	0.53	0.35	0.49	0.61	0.40	1.93	-0.89
21	0.68	0.87	0.76	0.53	0.86	0.71	-0.15	-0.38	-0.40	-0.59	-0.60	-0.59	-0.82	-0.76	-0.71	-0.52	-0.34	0.01	0.63	2.30	2.55	1.59	1.16	0.85	0.32	2.55	-0.82
22	1.45	1.71	1.23	1.15	1.51	0.69	-0.10	-0.36	-0.39	-0.56	-0.50	-0.66	-0.63	-0.38	-0.66	-0.11	0.18	0.52	0.87	0.28	0.40	0.84	0.90	0.70	0.34	1.71	-0.66
23	0.72	1.65	1.50	1.57	2.01	0.86	-0.06	-0.05	-0.36	-0.51	-0.69	-0.94	-0.82	-0.67	0.08	0.21	0.15	0.25	-0.03	0.61	1.02	1.07	0.80	0.18	0.36	2.01	-0.94
24	0.44	0.21	0.97	0.67	0.47	0.77	0.13	-0.33	-0.31	-0.66	-0.78	-0.85	-1.05	-0.93	-0.90	-0.83	-0.53	-0.21	0.27	1.13	1.40	1.53	0.98	1.58	0.13	1.58	-1.05
25	2.31	1.88	1.18	1.29	1.42	1.28	0.02	-0.48	-0.46	-0.81	-0.91	-0.89	-0.97	-0.95	-0.93	-0.78	-0.59	-0.37	-0.10	0.34	0.57	1.81	2.18	1.70	0.32	2.31	-0.97
26	1.05	1.23	1.12	1.08	1.34	1.30	-0.09	-0.31	-0.40	-0.67	-0.75	-0.73	-0.92	-0.82	-0.14	0.75	-0.30	-0.45	-0.13	0.43	1.15	0.98	0.79	1.33	0.29	1.34	-0.92
27	1.34	1.36	1.39	1.51	1.31	0.99	0.15	0.10	-0.24	-0.49	0.01	-0.56	-0.45	-0.72	-0.76	-0.49	-0.42	0.11	0.53	0.45	0.18	0.18	0.55	0.55	0.27	1.51	-0.76
28	0.09	0.24	0.18	0.23	0.88	0.23	-0.20	-0.25	-0.36	-0.42	-0.53	-0.59	-0.76	-0.95	-0.72	0.09	0.73	-0.17	0.45	0.36	0.69	0.60	0.54	0.85	0.05	0.88	-0.95
29	0.44	0.40	0.65	0.77	0.97	1.03	-0.07	-0.30	-0.33	-0.42	-0.57	-0.73	-0.76	-0.77	-0.78	-0.58	-0.24	-0.34	0.83	0.50	0.82	1.19	2.35	2.36	0.27	2.36	-0.78
30	2.27	1.78	1.10	1.47	1.65	1.56	0.00	-0.38	-0.39	-0.50	-0.67	-0.89	-1.08	-1.05	-0.67	-0.48	-0.02	0.14	1.14	0.89	1.37	1.06	1.41	1.96	0.49	2.27	-1.08
31	2.03	1.13	1.40	1.32	1.27	1.46	0.03	-0.33	-0.36	-0.49	-0.84	-1.01	-1.05	-1.12	-0.91	-0.78	-0.49	-0.18	0.64	1.15	1.62	1.38	2.08	1.73	0.40	2.08	-1.12
Avg	0.96	0.92	0.90	0.99	1.15	0.84	-0.05	-0.21	-0.32	-0.43	-0.53	-0.66	-0.72	-0.72	-0.63	-0.41	-0.13	0.01	0.37	0.67	0.90	0.83	0.87	0.85	0.23	1.66	-0.83
Max	2.31	2.02	1.57	1.68	2.01	1.87	0.82	1.25	0.82	1.19	0.82	-0.08	-0.04	-0.08	0.08	0.75	1.06	0.90	1.70	2.30	2.55	1.81	2.35	2.36	0.55	2.55	-0.36
Min	-0.07	-0.11	-0.07	0.15	0.01	-0.13	-0.30	-0.48	-0.74	-0.83	-0.91	-1.01	-1.08	-1.12	-0.96	-0.83	-0.73	-0.54	-0.27	-0.09	0.00	-0.04	0.01	-0.02	-0.12	0.75	-1.12

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
August 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.29	1.54	0.70	1.57	1.40	0.94	0.12	-0.40	-0.44	-0.48	-0.92	-0.92	-0.93	-0.89	-0.80	-0.70	-0.59	-0.29	0.59	1.70	1.09	1.11	1.26	2.05	0.33	2.05	-0.93
2	1.47	1.29	0.98	1.49	1.31	1.37	-0.11	-0.47	-0.45	-0.90	-1.15	-1.15	-1.03	-1.25	-0.61	-0.25	0.07	0.33	0.52	0.58	0.48	0.47	0.62	0.09	0.15	1.49	-1.25
3	-0.05	0.14	0.12	0.04	-0.02	0.00	-0.29	-0.36	-0.57	-0.56	-0.87	-1.07	-1.24	-1.02	-1.15	-1.19	-0.83	-0.53	-0.24	0.45	1.74	1.50	0.97	0.59	-0.19	1.74	-1.24
4	1.23	1.05	1.05	0.87	0.99	0.51	0.31	-0.35	-0.44	-0.61	-0.72	-0.73	-0.86	-0.80	-0.88	-0.76	-0.61	-0.42	-0.33	0.77	0.34	1.37	1.58	1.92	0.19	1.92	-0.88
5	1.81	1.73	1.47	1.74	1.99	1.75	0.37	-0.34	-0.30	-0.56	-0.68	-0.87	-0.95	-1.17	-0.85	-0.82	-0.64	-0.31	0.46	1.16	1.67	1.04	1.07	2.09	0.45	2.09	-1.17
6	1.82	1.00	1.36	1.31	1.88	1.42	0.50	-0.24	-0.37	-0.53	-0.63	-0.78	-1.11	-0.76	-0.50	-0.80	-0.07	0.34	0.56	0.82	1.41	1.24	0.40	0.97	0.39	1.88	-1.11
7	1.25	0.95	1.14	1.37	1.32	1.57	0.25	-0.38	-0.42	-0.64	-0.84	-0.98	-1.04	-0.95	-0.79	-0.74	-0.51	-0.15	0.84	1.31	2.49	1.32	1.70	2.22	0.43	2.49	-1.04
8	1.93	1.80	1.88	1.89	1.36	1.99	1.10	-0.26	-0.42	-0.79	-0.77	-0.98	-1.06	-1.00	-0.77	-0.51	0.32	0.35	0.79	0.90	0.65	0.73	0.65	1.07	0.45	1.99	-1.06
9	1.67	1.45	1.24	1.43	1.10	1.75	0.32	-0.30	-0.45	-0.49	-0.59	-0.63	-0.98	-0.84	-0.43	-0.44	-0.45	-0.12	0.33	1.00	1.24	0.96	1.08	1.86	0.40	1.86	-0.98
10	1.44	1.74	0.97	0.81	0.76	0.45	0.32	0.08	-0.25	-0.29	-0.21	0.12	0.48	0.07	-0.42	-0.31	0.15	0.25	0.58	0.96	0.81	0.58	0.64	0.69	0.43	1.74	-0.42
11	0.47	0.38	0.43	0.10	0.12	0.05	-0.10	-0.25	-0.34	-0.46	-0.85	-0.99	-0.93	-1.21	-1.08	-0.74	-0.05	0.01	-0.05	0.77	1.18	0.83	1.59	1.40	0.01	1.59	-1.21
12	2.24	1.63	1.22	1.86	1.51	1.41	1.51	0.09	-0.69	-1.02	-1.37	-1.22	-1.20	-0.65	-0.45	-0.44	-0.03	-0.43	0.18	0.37	0.79	0.36	0.16	0.37	0.26	2.24	-1.37
13	0.25	0.36	1.10	2.54	1.51	1.02	0.35	-0.31	-0.41	-0.73	-0.92	-0.96	-1.15	-0.97	-0.94	-0.78	-0.58	-0.09	0.78	1.18	1.08	1.66	1.28	1.32	0.27	2.54	-1.15
14	1.52	1.53	1.17	1.64	1.43	1.53	0.31	-0.33	-0.43	-0.80	-0.99	-1.16	-1.27	-1.26	-1.16	-0.90	-0.50	-0.17	0.37	1.17	0.67	0.00	-0.11	-0.10	0.09	1.64	-1.27
15	0.00	0.05	-0.05	-0.06	-0.04	0.13	0.05	0.03	-0.17	-0.28	-0.50	-0.52	-0.62	-0.42	-0.63	-0.56	-0.42	-0.47	-0.28	-0.14	-0.12	-0.15	-0.05	0.93	-0.18	0.93	-0.63
16	0.56	0.57	0.60	0.42	-0.10	-0.13	-0.24	-0.22	-0.64	-0.82	-0.86	-0.80	-0.85	-0.96	-1.06	-0.90	-0.76	-0.52	0.22	1.11	0.87	1.05	0.92	0.74	-0.08	1.11	-1.06
17	1.29	1.20	1.32	1.73	1.25	1.09	0.10	-0.35	-0.46	-0.52	-0.75	-0.90	-0.94	-1.06	-1.05	-0.90	-0.72	-0.40	0.33	2.40	2.13	2.06	1.58	1.38	0.41	2.40	-1.06
18	1.69	2.24	1.68	1.31	1.42	1.32	1.11	-0.36	-0.49	-0.54	-0.60	-0.86	-0.89	-1.05	-0.78	-0.70	-0.64	-0.45	0.14	0.75	1.84	2.06	1.34	0.93	0.44	2.24	-1.05
19	1.29	2.29	3.07	2.26	1.58	1.60	1.34	-0.35	-0.34	-0.60	-0.74	-0.67	-0.89	-0.91	-0.46	-0.23	-0.10	-0.11	1.00	1.34	0.78	0.46	0.66	0.56	0.53	3.07	-0.91
20	1.19	1.52	1.00	1.05	1.04	1.43	0.16	-0.22	-0.32	-0.41	-0.68	-0.99	-1.15	-1.10	-0.51	-0.85	-0.55	0.36	1.49	1.68	1.28	1.24	1.70	1.40	0.41	1.70	-1.15
21	1.67	2.39	1.85	1.34	1.82	1.70	1.11	-0.21	-0.26	Au	Au	Au	Au	-1.01	-0.76	0.08	0.26	0.36	0.79	0.56	0.53	0.57	0.59	0.45	0.69	2.39	-1.01
22	0.23	0.20	0.31	0.21	0.15	0.28	0.11	-0.27	-0.32	-0.60	-0.77	-0.62	-0.95	-1.05	-1.00	-0.85	-0.59	-0.16	0.61	1.29	1.12	0.68	1.30	1.52	0.03	1.52	-1.05
23	1.27	1.72	2.20	1.41	1.57	1.18	0.99	-0.16	-0.34	-0.49	-0.83	-1.05	-1.20	-1.17	-1.04	-0.87	-0.49	-0.15	0.49	1.35	2.01	1.47	1.10	0.98	0.41	2.20	-1.20
24	1.05	0.88	1.00	1.47	1.20	1.61	0.82	-0.24	-0.44	-0.77	-0.95	-1.19	-1.26	-1.32	-1.09	-0.95	-0.65	-0.33	0.17	0.97	1.61	1.15	1.08	1.32	0.21	1.61	-1.32
25	1.21	1.34	1.53	1.32	1.64	1.69	0.79	-0.34	-0.52	-0.88	-1.03	-1.29	-1.07	-1.18	-1.02	-0.89	-0.75	-0.33	0.38	1.54	1.32	2.09	1.82	2.48	0.41	2.48	-1.29
26	1.83	1.18	1.86	1.84	1.72	1.39	0.73	-0.18	-0.46	-0.81	-1.24	-1.42	-1.34	-1.26	-0.97	-0.94	-0.51	-0.13	0.12	0.72	0.94	1.27	1.52	1.04	0.29	1.86	-1.42
27	0.86	0.58	0.50	0.97	1.53	2.25	1.18	-0.12	-0.38	-0.65	-0.84	-0.97	-1.07	-0.95	-0.83	-0.26	0.43	0.40	0.58	0.30	1.20	1.06	1.04	1.88	0.36	2.25	-1.07
28	1.50	1.73	2.13	2.29	1.64	1.88	0.85	-0.33	-0.42	-0.43	-0.86	-1.14	-1.25	-1.26	-1.14	-1.03	-0.65	-0.10	2.00	1.76	1.64	2.25	2.61	2.24	0.66	2.61	-1.26
29	2.61	3.06	1.42	1.66	2.24	1.93	1.03	-0.15	-0.43	-0.66	-0.86	-0.99	-1.11	-1.07	-0.94	-0.77	-0.46	0.13	1.51	1.83	1.69	1.75	1.61	1.95	0.71	3.06	-1.11
30	2.10	0.88	1.94	1.95	1.67	1.72	0.39	-0.09	-0.37	-0.93	-1.04	-1.12	-1.28	-1.05	-1.09	-0.81	-0.60	-0.09	1.14	0.72	0.87	1.87	2.52	2.20	0.48	2.52	-1.28
31	2.19	2.09	2.21	2.24	1.82	1.48	1.88	0.48	-0.24	-0.35	-0.85	-0.82	-1.05	-0.99	-0.68	-0.68	-0.40	-0.14	0.38	0.15	1.09	0.72	0.40	0.59	0.48	2.24	-1.05
Avg	1.32	1.31	1.27	1.36	1.25	1.24	0.56	-0.22	-0.41	-0.62	-0.83	-0.92	-1.01	-0.98	-0.83	-0.69	-0.38	-0.11	0.53	1.02	1.18	1.12	1.12	1.26	0.32	2.05	-1.10
Max	2.61	3.06	3.07	2.54	2.24	2.25	1.88	0.48	-0.17	-0.28	-0.21	0.12	0.48	0.07	-0.42	0.08	0.43	0.40	2.00	2.40	2.49	2.25	2.61	2.48	0.71	3.07	-0.42
Min	-0.05	0.05	-0.05	-0.06	-0.10	-0.13	-0.29	-0.47	-0.69	-1.02	-1.37	-1.42	-1.34	-1.32	-1.16	-1.19	-0.83	-0.53	-0.33	-0.14	-0.12	-0.15	-0.11	-0.10	-0.19	0.93	-1.42

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
September 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.40	0.26	0.11	0.17	0.26	0.20	0.17	-0.20	-0.51	-0.76	-0.56	-0.57	-0.99	-1.16	-0.10	0.28	0.26	0.00	0.25	0.39	0.16	0.16	0.52	0.84	-0.02	0.84	-1.16
2	1.01	0.89	0.90	0.46	0.59	0.75	0.47	-0.19	-0.23	-0.51	-0.81	-1.01	-1.07	-1.06	-0.99	-0.82	-0.54	0.34	0.82	1.30	1.37	1.75	1.92	1.40	0.28	1.92	-1.07
3	1.35	0.84	1.19	1.65	1.58	1.18	0.70	-0.01	-0.43	-0.77	-1.07	-1.22	-1.20	-1.12	-1.14	-0.94	-0.65	-0.11	1.37	1.70	0.73	0.51	0.57	0.78	0.23	1.70	-1.22
4	0.68	1.00	0.89	0.85	1.02	1.12	0.84	-0.23	-0.56	-0.79	-1.05	-1.17	-1.23	-1.31	-1.12	-0.68	-0.54	-0.29	1.00	1.47	0.72	1.10	1.01	1.51	0.18	1.51	-1.31
5	2.22	1.44	1.37	1.77	1.60	1.64	1.41	-0.23	-0.43	-0.82	-1.07	-1.28	-1.30	-1.22	-1.16	-0.96	-0.64	-0.03	1.31	1.98	1.00	0.94	1.45	1.39	0.43	2.22	-1.30
6	1.59	0.72	1.22	1.16	0.74	0.83	0.72	-0.24	-0.47	-0.63	-0.93	-0.67	-0.91	-0.62	-1.02	-0.84	-0.56	-0.46	-0.20	-0.05	-0.07	0.42	0.88	1.47	0.09	1.59	-1.02
7	1.78	0.85	0.65	1.14	1.54	1.08	1.22	0.04	-0.22	-0.45	-0.92	-1.11	-1.08	-1.02	-0.88	-0.66	-0.72	-0.27	1.23	0.84	0.98	0.85	2.37	1.55	0.37	2.37	-1.11
8	1.84	2.02	1.74	2.00	2.48	2.05	1.83	-0.26	-0.32	-0.47	-0.70	-1.01	-0.82	-0.98	-0.90	-0.64	-0.55	0.08	1.14	0.90	1.31	1.48	1.64	2.08	0.66	2.48	-1.01
9	1.81	1.48	2.21	1.92	2.23	1.98	1.62	0.15	-0.25	-0.62	-0.98	-1.22	-1.03	-1.16	-0.56	0.13	-0.31	-0.04	1.45	1.54	1.92	2.06	1.70	1.00	0.71	2.23	-1.22
10	1.41	1.41	1.13	1.15	1.47	1.39	1.15	-0.10	-0.32	-0.62	-0.86	-1.01	-1.02	-1.02	-0.83	-0.52	-0.20	0.27	0.55	0.56	0.98	1.16	1.22	1.30	0.36	1.47	-1.02
11	2.74	2.09	1.45	1.20	1.56	1.55	0.98	0.00	-0.49	-0.82	-1.11	-1.32	-1.29	-1.19	-1.12	-0.91	-0.62	-0.15	0.92	2.45	0.97	1.04	0.57	0.87	0.39	2.74	-1.32
12	0.68	0.87	0.57	0.70	1.77	1.48	1.09	-0.02	-0.52	-0.85	-0.97	-0.89	-0.94	-0.91	-1.02	-0.93	-0.67	-0.22	1.04	1.22	1.01	1.96	1.45	1.32	0.30	1.96	-1.02
13	1.49	1.24	1.43	1.48	0.79	1.99	1.11	-0.02	-0.45	-0.64	-0.78	-0.92	-0.83	-0.75	-0.89	-0.80	-0.53	-0.10	0.94	0.33	1.35	2.07	1.55	1.55	0.44	2.07	-0.92
14	2.60	2.91	2.53	2.61	3.03	1.85	1.80	0.42	-0.30	-0.36	-0.66	-0.88	-1.03	-1.04	-0.57	-0.30	-0.19	0.26	1.80	0.98	0.74	0.76	1.34	1.91	0.84	3.03	-1.04
15	1.70	1.36	1.42	1.99	1.86	2.09	1.80	0.21	-0.16	-0.44	-0.56	-0.77	-0.85	-0.83	-0.77	-0.68	-0.10	0.53	1.24	0.87	0.93	0.52	1.08	0.91	0.56	2.09	-0.85
16	1.03	1.54	1.57	1.23	1.54	1.23	1.55	0.19	-0.21	-0.67	-0.71	-1.13	-1.24	-1.21	-0.85	-0.84	-0.57	-0.16	0.88	1.55	1.48	0.86	1.57	1.25	0.41	1.57	-1.24
17	0.72	1.29	1.44	1.11	1.64	1.22	1.40	0.06	-0.39	-0.51	-0.98	-1.13	-1.18	-1.17	-1.07	-0.86	-0.58	0.01	1.21	0.88	1.01	1.34	0.96	1.17	0.32	1.64	-1.18
18	1.54	1.17	1.33	1.63	1.66	1.67	1.57	-0.02	-0.38	-0.64	-0.90	-1.08	-1.18	-1.15	-1.03	-0.74	-0.36	0.18	0.94	2.07	2.52	0.96	1.48	1.95	0.55	2.52	-1.18
19	1.89	2.74	1.98	1.63	1.12	2.43	1.48	0.18	-0.40	-0.48	-0.77	-1.08	-1.02	-0.99	-0.95	-0.87	-0.35	0.31	1.41	1.76	1.05	0.98	0.99	1.00	0.58	2.74	-1.08
20	1.61	2.32	1.24	2.04	1.48	1.50	1.76	0.02	-0.31	-0.35	-0.84	-0.99	-1.14	-1.11	-0.89	-0.57	-0.23	0.54	1.78	1.53	1.59	1.51	1.55	2.07	0.67	2.32	-1.14
21	1.28	1.34	1.73	1.50	1.96	1.65	1.95	-0.07	-0.23	-0.44	-0.80	-1.07	-1.20	-1.12	-0.96	-0.76	-0.54	0.07	1.25	0.82	1.50	1.65	2.09	2.45	0.59	2.45	-1.20
22	2.29	2.23	1.98	1.54	1.50	2.19	1.83	0.13	-0.35	-0.81	-1.09	-1.25	-1.25	-1.03	-1.00	-0.76	-0.23	0.23	0.45	1.04	1.56	1.53	1.98	3.39	0.67	3.39	-1.25
23	1.22	0.79	1.62	2.11	1.64	1.79	1.44	1.05	-0.19	-0.38	-0.68	-1.03	-1.22	-1.25	-1.15	-0.77	-0.20	0.31	1.44	1.87	2.77	1.24	1.45	1.34	0.63	2.77	-1.25
24	0.95	1.22	1.23	1.58	1.30	1.79	1.63	0.94	-0.37	-0.34	-0.38	-0.65	-0.81	-0.70	-0.67	-0.60	-0.28	0.51	1.82	1.20	1.35	1.93	1.39	1.20	0.63	1.93	-0.81
25	1.14	1.99	1.36	2.21	1.33	2.53	1.97	1.07	-0.34	-0.39	-0.56	-0.86	-0.67	-0.61	-0.65	-0.26	0.00	0.30	0.81	1.10	1.46	1.86	1.52	1.87	0.76	2.53	-0.86
26	1.85	1.42	2.15	1.40	1.51	1.30	1.01	0.00	-0.51	-0.70	-0.72	-0.89	-0.86	-0.90	-0.89	-0.81	-0.43	0.15	0.48	0.90	0.90	1.09	0.97	1.10	0.40	2.15	-0.90
27	1.11	1.57	1.28	1.17	1.34	1.69	1.09	0.67	-0.27	-0.48	-0.54	-0.86	-0.95	-0.90	-0.78	-0.57	-0.46	0.13	0.62	0.96	1.66	1.79	1.92	1.81	0.54	1.92	-0.95
28	1.59	1.43	1.28	1.23	1.28	1.48	1.68	0.77	-0.41	-0.42	-0.64	-0.90	-0.98	-0.94	-0.90	-0.74	-0.08	0.68	0.83	0.79	1.17	1.85	1.85	1.64	0.56	1.85	-0.98
29	1.46	1.67	1.41	1.21	1.55	0.94	0.74	0.15	-0.23	-0.28	-0.87	-0.85	-0.86	-0.59	-0.72	-0.66	-0.23	0.76	1.58	0.52	1.06	1.61	1.50	1.81	0.53	1.81	-0.87
30	1.83	2.08	1.39	1.83	1.29	1.14	1.02	0.36	-0.37	-0.60	-0.99	-1.10	-1.10	-1.11	-0.68	-0.64	-0.27	0.68	1.07	0.89	0.98	1.42	1.36	1.72	0.51	2.08	-1.11
Avg	1.49	1.47	1.39	1.46	1.49	1.52	1.30	0.16	-0.35	-0.57	-0.82	-1.00	-1.04	-1.01	-0.88	-0.66	-0.38	0.15	1.05	1.15	1.21	1.28	1.40	1.52	0.47	2.13	-1.09
Max	2.74	2.91	2.53	2.61	3.03	2.53	1.97	1.07	-0.16	-0.28	-0.38	-0.57	-0.67	-0.59	-0.10	0.28	0.26	0.76	1.82	2.45	2.77	2.07	2.37	3.39	0.84	3.39	-0.81
Min	0.40	0.26	0.11	0.17	0.26	0.20	0.17	-0.26	-0.56	-0.85	-1.11	-1.32	-1.30	-1.31	-1.16	-0.96	-0.72	-0.46	-0.20	-0.05	-0.07	0.16	0.52	0.78	-0.02	0.84	-1.32

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
July 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0	0.0	0.0	0.0	4.5	80.8	245.8	416.9	574.4	618.8	801.0	925.0	961.0	816.0	656.7	584.9	368.3	50.9	1.5	1.1	0.7	0.0	0.0	0.0	296.2	961.0	0.0
2	0.0	0.0	0.0	0.0	3.4	97.6	249.5	432.5	602.8	752.0	862.0	932.0	966.0	811.0	821.0	749.6	590.4	418.7	241.6	86.3	2.1	0.0	0.0	0.0	359.1	966.0	0.0
3	0.0	0.0	0.0	0.0	7.0	61.9	250.8	426.1	595.6	747.7	741.5	917.0	792.6	855.0	819.0	623.2	526.9	408.7	209.6	104.4	10.7	0.0	0.0	0.0	337.4	917.0	0.0
4	0.0	0.0	0.0	0.0	3.8	99.6	266.8	445.6	616.6	769.1	882.0	957.0	987.0	951.0	873.0	752.4	595.9	425.9	251.7	89.8	3.9	0.0	0.0	0.0	373.8	987.0	0.0
5	0.0	0.0	0.0	0.0	5.9	75.3	118.6	292.8	273.5	171.0	158.6	238.5	268.4	282.1	394.5	309.5	246.8	247.2	155.8	48.4	3.8	0.0	0.0	0.0	137.1	394.5	0.0
6	0.0	0.0	0.0	0.0	3.8	72.5	219.8	405.2	603.4	601.1	291.0	880.0	821.0	925.0	849.0	517.1	156.4	343.7	206.8	78.4	3.6	0.0	0.0	0.0	290.7	925.0	0.0
7	0.0	0.0	0.0	0.0	8.1	50.8	69.0	41.9	64.1	102.0	103.3	400.7	775.1	937.0	858.0	741.6	461.7	114.8	72.3	13.7	0.7	0.0	0.0	0.0	200.6	937.0	0.0
8	0.0	0.0	0.0	0.0	3.5	80.1	234.7	407.3	577.7	728.7	838.0	917.0	955.0	919.0	872.0	584.2	244.4	70.6	236.9	77.3	3.4	0.0	0.0	0.0	322.9	955.0	0.0
9	0.0	0.0	0.0	0.0	3.4	81.5	241.4	416.1	588.6	744.6	875.0	973.0	727.6	896.0	920.0	642.5	614.9	419.1	135.9	46.4	2.7	0.0	0.0	0.0	347.0	973.0	0.0
10	0.0	0.0	0.0	0.0	2.7	27.1	222.6	361.9	492.9	680.0	358.1	405.6	699.9	839.0	779.3	686.9	491.7	163.9	38.4	21.1	3.9	0.0	0.0	0.0	261.5	839.0	0.0
11	0.0	0.0	0.0	0.0	3.7	71.3	184.3	365.7	559.2	643.6	818.0	914.0	978.0	969.0	710.4	370.8	230.7	90.6	76.1	40.7	1.5	0.0	0.0	0.0	292.8	978.0	0.0
12	0.0	0.0	0.0	0.0	2.7	71.5	226.9	401.8	575.5	726.8	837.0	790.4	956.0	927.0	849.0	677.4	573.2	408.2	220.5	62.6	2.5	0.0	0.0	0.0	346.2	956.0	0.0
13	0.0	0.0	0.0	0.0	1.0	30.8	99.4	252.1	505.1	683.4	565.2	338.4	290.0	413.8	477.9	363.7	290.2	176.9	39.1	9.2	0.0	0.0	0.0	0.0	189.0	683.4	0.0
14	0.0	0.0	0.0	0.0	0.6	12.3	40.2	54.7	114.9	441.8	722.2	401.7	255.8	308.1	298.5	567.1	570.5	339.7	85.3	21.9	0.1	0.0	0.0	0.0	176.5	722.2	0.0
15	0.0	0.0	0.0	0.0	1.3	30.7	61.7	98.5	131.5	552.1	808.0	748.1	737.3	834.0	573.8	268.2	245.4	284.3	223.4	72.3	2.6	0.0	0.0	0.0	236.4	834.0	0.0
16	0.0	0.0	0.0	0.0	2.1	76.9	214.0	380.1	544.0	675.2	762.8	855.0	874.0	795.9	518.9	86.9	12.5	24.5	68.5	40.2	1.6	0.0	0.0	0.0	247.2	874.0	0.0
17	0.0	0.0	0.0	0.0	2.9	77.6	250.8	410.3	586.6	587.8	562.9	746.3	751.8	820.0	463.8	738.4	564.3	398.7	136.7	87.3	2.1	0.0	0.0	0.0	299.5	820.0	0.0
18	0.0	0.0	0.0	0.0	1.7	64.5	220.6	419.0	569.1	722.1	834.0	894.0	950.0	912.0	852.0	755.1	424.5	387.3	173.2	38.0	1.2	0.0	0.0	0.0	342.4	950.0	0.0
19	0.0	0.0	0.0	0.0	1.8	53.6	219.8	396.4	489.3	675.9	855.0	911.0	947.0	556.8	537.8	361.2	213.0	219.3	179.5	54.4	1.0	0.0	0.0	0.0	278.0	947.0	0.0
20	0.0	0.0	0.0	0.0	0.0	14.4	38.8	40.3	57.4	142.6	380.3	820.0	922.0	889.0	825.0	730.8	183.0	103.8	171.9	59.9	0.8	0.0	0.0	0.0	224.2	922.0	0.0
21	0.0	0.0	0.0	0.0	0.9	65.0	219.4	386.8	559.6	711.3	826.0	908.0	952.0	904.0	838.0	719.5	563.3	393.1	216.5	59.8	1.4	0.0	0.0	0.0	346.9	952.0	0.0
22	0.0	0.0	0.0	0.0	1.3	54.0	212.1	388.8	563.2	718.9	830.0	906.0	933.0	609.8	851.0	305.5	279.1	88.4	14.9	24.2	0.9	0.0	0.0	0.0	282.5	933.0	0.0
23	0.0	0.0	0.0	0.0	1.0	64.9	186.0	306.8	527.2	601.7	778.5	904.0	871.0	712.1	324.6	220.5	148.0	102.6	152.2	45.7	0.8	0.0	0.0	0.0	247.8	904.0	0.0
24	0.0	0.0	0.0	0.0	0.2	27.7	142.9	378.2	562.5	737.2	849.0	924.0	955.0	925.0	848.0	726.4	571.8	399.8	220.5	57.3	1.0	0.0	0.0	0.0	346.9	955.0	0.0
25	0.0	0.0	0.0	0.0	1.0	56.5	211.6	387.9	560.6	716.0	829.0	907.0	941.0	929.0	845.0	693.4	558.7	385.9	209.9	53.5	0.8	0.0	0.0	0.0	345.3	941.0	0.0
26	0.0	0.0	0.0	0.0	0.7	54.1	198.9	372.4	543.4	697.1	812.0	887.0	906.0	898.0	232.2	19.9	421.6	376.2	192.4	47.6	0.4	0.0	0.0	0.0	277.5	906.0	0.0
27	0.0	0.0	0.0	0.0	1.6	32.9	48.6	36.0	267.5	485.2	92.6	828.0	833.0	883.0	804.0	558.5	449.6	124.8	13.5	0.2	0.0	0.0	0.0	0.0	227.5	883.0	0.0
28	0.0	0.0	0.0	0.0	0.2	51.0	197.9	369.8	543.5	704.8	812.0	894.0	918.0	890.0	737.7	342.0	42.7	273.4	33.9	2.3	0.0	0.0	0.0	0.0	283.9	918.0	0.0
29	0.0	0.0	0.0	0.0	0.3	42.4	190.8	364.7	473.2	689.8	808.0	886.0	915.0	892.0	829.0	625.1	458.8	424.6	98.6	24.1	0.4	0.0	0.0	0.0	321.8	915.0	0.0
30	0.0	0.0	0.0	0.0	0.2	38.7	183.2	360.5	537.5	695.5	809.0	872.0	917.0	896.0	687.1	525.6	351.9	334.8	62.0	7.1	0.0	0.0	0.0	0.0	303.3	917.0	0.0
31	0.0	0.0	0.0	0.0	0.0	33.0	174.3	345.7	520.5	683.4	804.0	881.0	910.0	887.0	790.2	684.0	483.0	325.0	138.4	38.3	0.2	0.0	0.0	0.0	320.7	910.0	0.0
Avg	0.0	0.0	0.0	0.0	2.3	56.5	182.0	327.8	476.8	619.6	687.3	798.8	828.0	809.1	701.2	533.3	384.9	268.6	138.0	45.6	1.8	0.0	0.0	0.0	285.9	892.7	0.0
Max	0.0	0.0	0.0	0.0	8.1	99.6	266.8	445.6	616.6	769.1	882.0	973.0	987.0	969.0	920.0	755.1	614.9	425.9	251.7	104.4	10.7	0.0	0.0	0.0	373.8	987.0	0.0
Min	0.0	0.0	0.0	0.0	0.0	12.3	38.8	36.0	57.4	102.0	92.6	238.5	255.8	282.1	232.2	19.9	12.5	24.5	1.5	0.2	0.0	0.0	0.0	0.0	137.1	394.5	0.0

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
August 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0	0.0	0.0	0.0	0.0	28.4	174.5	351.1	531.5	689.5	816.0	895.0	902.0	891.0	764.6	654.5	537.6	361.9	183.9	36.6	0.1	0.0	0.0	0.0	325.8	902.0	0.0
2	0.0	0.0	0.0	0.0	0.0	32.0	185.6	365.4	543.6	699.7	822.0	902.0	774.1	898.0	542.9	335.0	177.9	80.2	29.3	4.5	0.0	0.0	0.0	0.0	266.3	902.0	0.0
3	0.0	0.0	0.0	0.0	0.0	19.4	193.2	303.7	475.8	394.5	691.4	870.0	949.0	763.7	819.0	812.0	538.6	392.2	205.9	33.7	0.0	0.0	0.0	0.0	310.9	949.0	0.0
4	0.0	0.0	0.0	0.0	0.1	23.7	175.1	364.3	526.6	692.0	813.0	888.0	909.0	882.0	807.0	688.6	537.2	363.5	184.9	32.3	0.0	0.0	0.0	0.0	328.6	909.0	0.0
5	0.0	0.0	0.0	0.0	0.0	31.2	180.2	355.0	530.1	683.3	799.0	877.0	904.0	875.0	795.8	672.2	521.3	345.5	167.8	16.6	0.1	0.0	0.0	0.0	323.1	904.0	0.0
6	0.0	0.0	0.0	0.0	0.0	23.8	128.7	276.4	326.1	561.4	765.6	867.0	936.0	603.5	409.0	596.1	236.0	89.3	48.1	10.1	0.0	0.0	0.0	0.0	244.9	936.0	0.0
7	0.0	0.0	0.0	0.0	0.0	27.7	175.1	345.3	521.1	674.6	796.1	873.0	929.0	834.0	684.5	675.8	506.1	336.7	163.4	21.6	0.0	0.0	0.0	0.0	315.2	929.0	0.0
8	0.0	0.0	0.0	0.0	0.0	25.4	146.7	304.4	478.6	609.0	685.5	801.0	846.0	712.0	705.4	453.6	101.2	96.9	22.7	2.7	0.0	0.0	0.0	0.0	249.6	846.0	0.0
9	0.0	0.0	0.0	0.0	0.0	13.3	85.7	229.9	421.3	558.3	699.3	795.8	825.0	768.4	398.3	422.8	430.4	280.9	123.9	16.3	0.0	0.0	0.0	0.0	252.9	825.0	0.0
10	0.0	0.0	0.0	0.0	0.0	19.5	42.5	100.0	280.7	395.9	309.9	192.0	65.8	101.5	343.1	287.2	121.3	76.8	25.1	3.7	0.0	0.0	0.0	0.0	98.5	395.9	0.0
11	0.0	0.0	0.0	0.0	0.0	10.6	86.9	190.6	418.6	508.2	741.7	799.7	796.7	867.0	785.0	530.1	244.1	189.1	137.0	18.9	0.0	0.0	0.0	0.0	263.5	867.0	0.0
12	0.0	0.0	0.0	0.0	0.0	17.5	142.8	314.1	485.4	640.4	763.7	842.0	824.0	441.9	372.8	302.1	181.0	322.5	140.6	14.7	0.0	0.0	0.0	0.0	241.9	842.0	0.0
13	0.0	0.0	0.0	0.0	0.0	13.8	130.0	306.9	488.5	640.6	766.2	842.0	868.0	788.2	760.1	623.7	455.0	266.4	93.7	8.9	0.0	0.0	0.0	0.0	293.8	868.0	0.0
14	0.0	0.0	0.0	0.0	0.0	16.0	119.8	302.3	483.9	640.1	751.9	836.0	865.0	848.0	769.0	620.6	451.2	287.1	88.5	8.9	0.0	0.0	0.0	0.0	295.3	865.0	0.0
15	0.0	0.0	0.0	0.0	0.0	3.7	39.2	26.8	141.9	183.7	259.8	228.5	291.8	210.7	290.9	268.6	188.0	199.0	55.4	4.9	0.0	0.0	0.0	0.0	99.7	291.8	0.0
16	0.0	0.0	0.0	0.0	0.0	9.5	92.9	238.5	497.2	654.4	775.1	852.0	873.0	842.0	760.0	631.9	474.8	302.9	126.3	10.6	0.0	0.0	0.0	0.0	297.5	873.0	0.0
17	0.0	0.0	0.0	0.0	0.0	13.8	149.3	321.9	501.7	658.6	782.6	856.0	878.0	843.0	764.3	640.9	487.3	311.6	128.6	8.9	0.0	0.0	0.0	0.0	306.1	878.0	0.0
18	0.0	0.0	0.0	0.0	0.0	10.6	140.4	312.8	490.5	644.8	764.8	842.0	871.0	838.0	756.8	629.6	470.2	294.3	120.6	8.0	0.0	0.0	0.0	0.0	299.8	871.0	0.0
19	0.0	0.0	0.0	0.0	0.0	13.3	111.6	300.3	460.9	614.6	703.8	780.7	817.0	665.7	330.6	236.1	230.2	227.3	54.7	8.3	0.0	0.0	0.0	0.0	231.5	817.0	0.0
20	0.0	0.0	0.0	0.0	0.0	9.7	112.3	281.9	459.1	619.6	744.4	834.0	853.0	842.0	355.7	557.5	376.5	120.5	45.6	3.9	0.0	0.0	0.0	0.0	259.0	853.0	0.0
21	0.0	0.0	0.0	0.0	0.0	6.2	90.4	251.0	416.2	Au	Au	Au	Au	687.0	516.0	154.6	83.8	101.3	38.0	0.2	0.0	0.0	0.0	0.0	117.2	687.0	0.0
22	0.0	0.0	0.0	0.0	0.0	4.3	102.0	267.2	449.4	607.7	695.5	525.3	786.8	826.0	721.1	604.8	437.0	247.6	88.6	4.4	0.0	0.0	0.0	0.0	265.3	826.0	0.0
23	0.0	0.0	0.0	0.0	0.0	7.1	86.8	243.2	416.9	576.4	710.5	822.0	849.0	810.0	719.1	588.6	425.3	245.4	69.3	2.8	0.0	0.0	0.0	0.0	273.9	849.0	0.0
24	0.0	0.0	0.0	0.0	0.0	3.9	83.4	238.0	390.2	608.4	748.3	826.0	857.0	827.0	740.7	613.8	435.5	278.0	99.6	2.9	0.0	0.0	0.0	0.0	281.4	857.0	0.0
25	0.0	0.0	0.0	0.0	0.0	4.9	118.8	295.3	475.7	630.8	753.5	828.0	848.0	814.0	732.8	606.8	441.6	262.7	91.0	2.6	0.0	0.0	0.0	0.0	287.8	848.0	0.0
26	0.0	0.0	0.0	0.0	0.0	4.3	88.6	255.4	429.0	576.3	665.4	754.4	766.1	764.1	710.1	582.0	302.0	159.8	65.9	1.7	0.0	0.0	0.0	0.0	255.2	766.1	0.0
27	0.0	0.0	0.0	0.0	0.0	3.0	86.4	258.4	435.0	593.9	706.8	774.9	818.0	693.6	487.5	297.6	45.7	43.3	32.6	0.3	0.0	0.0	0.0	0.0	219.9	818.0	0.0
28	0.0	0.0	0.0	0.0	0.0	4.2	95.0	258.3	425.8	583.4	712.4	800.0	824.0	791.3	706.0	579.2	416.4	234.8	50.9	0.6	0.0	0.0	0.0	0.0	270.1	824.0	0.0
29	0.0	0.0	0.0	0.0	0.0	4.4	81.8	234.8	421.3	561.6	651.9	714.7	779.5	741.5	656.3	523.2	341.4	160.5	46.3	0.6	0.0	0.0	0.0	0.0	246.7	779.5	0.0
30	0.0	0.0	0.0	0.0	0.0	3.0	80.0	241.3	422.9	579.9	698.1	768.0	794.3	760.6	676.0	549.8	392.7	198.7	58.8	0.5	0.0	0.0	0.0	0.0	259.4	794.3	0.0
31	0.0	0.0	0.0	0.0	0.0	2.5	48.6	105.8	258.3	464.6	613.9	596.9	628.5	523.9	427.4	478.4	312.0	169.9	27.8	0.2	0.0	0.0	0.0	0.0	194.1	628.5	0.0
Avg	0.0	0.0	0.0	0.0	0.0	13.2	115.3	265.8	438.8	584.9	706.9	769.5	797.6	734.0	622.8	523.2	351.6	227.3	90.8	9.4	0.0	0.0	0.0	0.0	258.0	812.9	0.0
Max	0.0	0.0	0.0	0.0	0.1	32.0	193.2	365.4	543.6	699.7	822.0	902.0	949.0	898.0	819.0	812.0	538.6	392.2	205.9	36.6	0.1	0.0	0.0	0.0	328.6	949.0	0.0
Min	0.0	0.0	0.0	0.0	0.0	2.5	39.2	26.8	141.9	183.7	259.8	192.0	65.8	101.5	290.9	154.6	45.7	43.3	22.7	0.2	0.0	0.0	0.0	0.0	98.5	291.8	0.0

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
September 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0	0.0	0.0	0.0	0.0	0.5	35.9	208.9	386.6	512.4	408.1	386.6	765.9	705.6	195.2	24.0	43.0	51.3	46.1	2.6	0.0	0.0	0.0	0.0	157.2	765.9	0.0
2	0.0	0.0	0.0	0.0	0.0	2.3	88.3	255.3	429.7	587.5	714.3	801.0	814.0	772.7	681.1	570.2	372.2	113.0	54.8	0.9	0.0	0.0	0.0	0.0	260.7	814.0	0.0
3	0.0	0.0	0.0	0.0	0.0	1.8	91.5	266.3	441.1	601.1	724.0	795.7	817.0	705.8	686.9	555.1	390.1	195.9	40.7	0.1	0.0	0.0	0.0	0.0	263.0	817.0	0.0
4	0.0	0.0	0.0	0.0	0.0	1.6	78.0	249.4	425.1	571.8	714.2	784.4	814.0	831.0	613.0	350.7	311.6	201.8	44.0	0.2	0.0	0.0	0.0	0.0	249.6	831.0	0.0
5	0.0	0.0	0.0	0.0	0.0	1.7	81.7	247.1	418.9	569.1	692.0	771.2	785.9	747.2	662.2	536.9	375.8	173.8	25.6	0.0	0.0	0.0	0.0	0.0	253.7	785.9	0.0
6	0.0	0.0	0.0	0.0	0.0	0.9	38.9	115.5	281.3	496.9	627.4	392.3	562.7	370.5	521.4	427.4	191.5	97.4	15.8	0.0	0.0	0.0	0.0	0.0	172.5	627.4	0.0
7	0.0	0.0	0.0	0.0	0.0	1.4	81.9	255.8	421.2	575.6	702.2	775.9	795.2	752.7	664.5	536.6	377.4	200.9	35.8	0.0	0.0	0.0	0.0	0.0	257.4	795.2	0.0
8	0.0	0.0	0.0	0.0	0.0	1.2	75.6	251.3	419.8	570.6	695.4	776.5	762.9	729.7	644.6	515.8	347.7	173.8	26.8	0.0	0.0	0.0	0.0	0.0	249.7	776.5	0.0
9	0.0	0.0	0.0	0.0	0.0	1.2	65.5	209.1	347.6	527.6	682.4	752.1	636.9	605.6	344.2	129.7	302.2	185.9	8.7	0.0	0.0	0.0	0.0	0.0	199.9	752.1	0.0
10	0.0	0.0	0.0	0.0	0.0	0.2	44.6	185.7	313.8	471.4	617.5	673.6	683.0	673.8	560.8	387.5	254.3	96.5	15.1	0.0	0.0	0.0	0.0	0.0	207.4	683.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.6	55.8	183.3	385.0	573.9	706.1	768.7	774.5	730.1	643.1	513.7	355.1	177.9	23.0	0.0	0.0	0.0	0.0	0.0	245.5	774.5	0.0
12	0.0	0.0	0.0	0.0	0.0	0.4	61.1	233.7	407.4	561.4	688.2	759.9	772.6	728.5	622.8	511.1	344.3	164.6	22.5	0.0	0.0	0.0	0.0	0.0	244.9	772.6	0.0
13	0.0	0.0	0.0	0.0	0.0	0.3	51.4	228.7	399.7	551.4	676.6	743.4	761.2	717.3	628.3	500.0	337.4	158.8	12.7	0.0	0.0	0.0	0.0	0.0	240.3	761.2	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	29.5	129.4	330.4	515.3	616.4	688.2	698.1	682.8	425.1	304.6	258.4	123.0	5.2	0.0	0.0	0.0	0.0	0.0	200.3	698.1	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	28.7	143.0	200.8	412.5	553.9	628.4	527.7	538.4	478.0	404.5	130.7	47.8	6.7	0.0	0.0	0.0	0.0	0.0	170.9	628.4	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	42.3	108.3	196.9	325.8	413.7	646.5	718.7	650.4	392.7	372.6	264.1	124.5	11.5	0.0	0.0	0.0	0.0	0.0	177.8	718.7	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	45.4	192.5	354.5	522.8	645.4	714.2	736.2	700.9	590.0	463.2	299.1	127.1	9.0	0.0	0.0	0.0	0.0	0.0	225.0	736.2	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	42.1	205.0	373.7	518.0	634.0	700.4	724.4	684.8	589.8	454.8	284.2	122.3	8.6	0.0	0.0	0.0	0.0	0.0	222.6	724.4	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	33.0	178.9	361.5	523.4	630.6	713.6	602.0	626.8	561.1	468.1	258.9	111.1	6.3	0.0	0.0	0.0	0.0	0.0	211.5	713.6	0.0
20	0.0	0.0	0.0	0.0	0.0	0.1	37.5	185.5	347.3	504.9	633.0	697.4	696.5	670.2	504.9	344.1	205.9	78.1	7.5	0.0	0.0	0.0	0.0	0.0	204.7	697.4	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	36.0	190.6	355.1	508.1	627.9	694.7	706.6	657.3	567.0	432.0	267.1	107.0	5.0	0.0	0.0	0.0	0.0	0.0	214.8	706.6	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	33.5	183.6	336.7	487.9	594.5	653.4	683.0	642.0	537.0	382.4	195.3	65.3	4.4	0.0	0.0	0.0	0.0	0.0	200.0	683.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	23.3	88.0	216.9	453.3	518.9	544.5	609.5	634.8	545.3	373.8	182.7	58.0	2.8	0.0	0.0	0.0	0.0	0.0	177.2	634.8	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	19.0	125.2	272.9	416.7	531.2	611.4	608.0	569.4	493.2	365.6	217.2	58.8	1.3	0.0	0.0	0.0	0.0	0.0	178.7	611.4	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	16.7	124.9	243.3	408.5	521.5	603.3	387.0	335.0	355.8	212.2	127.3	70.3	4.9	0.0	0.0	0.0	0.0	0.0	142.1	603.3	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	9.7	94.5	299.3	358.3	527.7	539.6	699.9	605.7	515.3	391.9	226.2	46.8	1.2	0.0	0.0	0.0	0.0	0.0	179.8	699.9	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	18.2	140.2	303.1	459.0	571.6	638.9	651.8	610.6	524.5	348.1	236.5	69.0	1.7	0.0	0.0	0.0	0.0	0.0	190.5	651.8	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	18.9	152.8	304.4	452.0	580.1	652.8	660.9	617.0	521.7	402.4	155.3	37.1	0.8	0.0	0.0	0.0	0.0	0.0	189.8	660.9	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	8.7	133.8	171.8	228.9	506.9	492.1	484.9	301.2	381.4	327.5	166.3	53.2	0.4	0.0	0.0	0.0	0.0	0.0	135.7	506.9	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	11.7	126.6	317.7	467.9	605.4	657.2	628.0	649.8	363.7	362.1	181.2	57.2	1.3	0.0	0.0	0.0	0.0	0.0	184.6	657.2	0.0
Avg	0.0	0.0	0.0	0.0	0.0	0.5	43.5	179.8	335.4	491.1	612.0	668.6	685.6	641.6	527.2	399.0	255.3	111.6	15.0	0.1	0.0	0.0	0.0	0.0	206.9	709.6	0.0
Max	0.0	0.0	0.0	0.0	0.0	2.3	91.5	266.3	441.1	601.1	724.0	801.0	817.0	831.0	686.9	570.2	390.1	201.8	54.8	2.6	0.0	0.0	0.0	0.0	263.0	831.0	0.0
Min	0.0	0.0	0.0	0.0	0.0	0.0	8.7	88.0	171.8	228.9	408.1	386.6	387.0	301.2	195.2	24.0	43.0	37.1	0.4	0.0	0.0	0.0	0.0	0.0	135.7	506.9	0.0

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
July 2012

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	24.28	24.27	24.26	24.26	24.27	24.28	24.30	24.31	24.30	24.30	24.30	24.29	24.29	24.29	24.29	24.29	24.28	24.27	24.34	24.40	24.40	24.39	24.38	24.38	24.31	24.40	24.26
2	24.38	24.39	24.39	24.39	24.40	24.42	24.43	24.43	24.42	24.41	24.40	24.39	24.37	24.36	24.34	24.33	24.32	24.30	24.30	24.29	24.29	24.29	24.28	24.26	24.36	24.43	24.26
3	24.25	24.24	24.24	24.22	24.21	24.20	24.17	24.16	24.15	24.15	24.18	24.19	24.20	24.19	24.17	24.17	24.17	24.18	24.21	24.25	24.28	24.31	24.33	24.34	24.22	24.34	24.15
4	24.35	24.36	24.37	24.37	24.37	24.38	24.39	24.39	24.38	24.38	24.37	24.36	24.36	24.35	24.34	24.34	24.34	24.34	24.33	24.34	24.36	24.37	24.37	24.38	24.36	24.39	24.33
5	24.38	24.38	24.38	24.38	24.38	24.39	24.39	24.38	24.38	24.41	24.42	24.41	24.42	24.42	24.40	24.40	24.41	24.41	24.41	24.42	24.43	24.45	24.45	24.46	24.41	24.46	24.38
6	24.47	24.48	24.48	24.48	24.49	24.51	24.53	24.54	24.54	24.54	24.56	24.56	24.55	24.54	24.53	24.53	24.53	24.54	24.55	24.56	24.58	24.59	24.60	24.59	24.54	24.60	24.47
7	24.59	24.59	24.59	24.59	24.60	24.62	24.63	24.63	24.64	24.65	24.65	24.64	24.63	24.61	24.59	24.58	24.58	24.59	24.60	24.62	24.64	24.64	24.62	24.62	24.61	24.65	24.58
8	24.62	24.61	24.61	24.61	24.61	24.62	24.63	24.62	24.62	24.61	24.60	24.60	24.59	24.59	24.58	24.57	24.57	24.58	24.59	24.60	24.60	24.61	24.61	24.61	24.60	24.63	24.57
9	24.61	24.60	24.60	24.60	24.60	24.61	24.62	24.61	24.60	24.60	24.59	24.58	24.58	24.57	24.56	24.54	24.53	24.53	24.52	24.53	24.54	24.56	24.56	24.54	24.57	24.62	24.52
10	24.54	24.54	24.54	24.54	24.55	24.56	24.55	24.55	24.53	24.52	24.54	24.53	24.51	24.50	24.49	24.48	24.46	24.45	24.47	24.48	24.49	24.49	24.49	24.49	24.51	24.56	24.45
11	24.49	24.50	24.49	24.49	24.49	24.49	24.50	24.50	24.50	24.49	24.49	24.48	24.47	24.46	24.45	24.45	24.45	24.46	24.48	24.48	24.49	24.51	24.51	24.50	24.48	24.51	24.45
12	24.50	24.50	24.50	24.49	24.50	24.50	24.51	24.51	24.50	24.50	24.49	24.49	24.48	24.47	24.46	24.45	24.43	24.43	24.42	24.43	24.44	24.45	24.45	24.45	24.47	24.51	24.42
13	24.45	24.45	24.44	24.44	24.45	24.46	24.46	24.46	24.47	24.47	24.47	24.46	24.46	24.46	24.47	24.47	24.45	24.44	24.46	24.48	24.51	24.49	24.48	24.48	24.46	24.51	24.44
14	24.47	24.45	24.45	24.45	24.45	24.44	24.44	24.44	24.44	24.42	24.41	24.40	24.40	24.39	24.39	24.37	24.35	24.34	24.33	24.33	24.34	24.37	24.36	24.34	24.40	24.47	24.33
15	24.34	24.33	24.32	24.31	24.31	24.32	24.33	24.33	24.34	24.33	24.32	24.31	24.29	24.29	24.30	24.32	24.32	24.34	24.33	24.34	24.36	24.38	24.38	24.39	24.33	24.39	24.29
16	24.39	24.38	24.38	24.38	24.38	24.39	24.40	24.40	24.40	24.40	24.39	24.38	24.37	24.36	24.35	24.35	24.39	24.43	24.41	24.39	24.39	24.40	24.39	24.39	24.39	24.43	24.35
17	24.38	24.37	24.37	24.37	24.37	24.37	24.38	24.38	24.38	24.38	24.37	24.36	24.35	24.34	24.34	24.33	24.33	24.32	24.31	24.32	24.34	24.36	24.37	24.37	24.36	24.38	24.31
18	24.38	24.39	24.39	24.40	24.40	24.41	24.42	24.42	24.42	24.42	24.42	24.41	24.40	24.40	24.39	24.38	24.37	24.37	24.37	24.38	24.41	24.43	24.43	24.44	24.40	24.44	24.37
19	24.45	24.45	24.45	24.47	24.48	24.50	24.52	24.52	24.52	24.53	24.53	24.53	24.52	24.52	24.52	24.51	24.51	24.51	24.50	24.51	24.52	24.53	24.53	24.53	24.51	24.53	24.45
20	24.53	24.52	24.51	24.51	24.52	24.55	24.55	24.58	24.59	24.58	24.56	24.54	24.53	24.51	24.49	24.47	24.45	24.51	24.50	24.47	24.48	24.49	24.49	24.51	24.52	24.59	24.45
21	24.51	24.51	24.51	24.51	24.52	24.52	24.53	24.53	24.53	24.52	24.52	24.51	24.50	24.49	24.48	24.47	24.46	24.45	24.45	24.46	24.48	24.50	24.51	24.52	24.50	24.53	24.45
22	24.52	24.52	24.52	24.52	24.52	24.53	24.55	24.54	24.53	24.52	24.52	24.50	24.49	24.47	24.46	24.45	24.44	24.44	24.49	24.47	24.47	24.48	24.47	24.47	24.50	24.55	24.44
23	24.46	24.46	24.44	24.43	24.44	24.45	24.43	24.42	24.41	24.42	24.41	24.39	24.38	24.37	24.36	24.36	24.38	24.39	24.39	24.40	24.41	24.41	24.41	24.41	24.41	24.46	24.36
24	24.44	24.42	24.41	24.40	24.40	24.41	24.42	24.43	24.42	24.41	24.40	24.39	24.38	24.37	24.36	24.35	24.34	24.34	24.34	24.36	24.38	24.39	24.39	24.39	24.39	24.44	24.34
25	24.39	24.40	24.41	24.42	24.42	24.43	24.45	24.45	24.45	24.44	24.44	24.43	24.42	24.42	24.42	24.42	24.41	24.41	24.42	24.43	24.45	24.47	24.47	24.48	24.43	24.48	24.39
26	24.49	24.49	24.49	24.49	24.49	24.50	24.51	24.51	24.51	24.50	24.49	24.48	24.47	24.46	24.45	24.48	24.47	24.45	24.44	24.44	24.45	24.46	24.45	24.45	24.48	24.51	24.44
27	24.44	24.43	24.42	24.41	24.41	24.43	24.45	24.47	24.45	24.45	24.48	24.46	24.44	24.43	24.41	24.41	24.40	24.40	24.44	24.49	24.52	24.48	24.49	24.49	24.45	24.52	24.40
28	24.48	24.48	24.48	24.48	24.48	24.49	24.49	24.50	24.50	24.50	24.49	24.48	24.47	24.46	24.45	24.44	24.46	24.46	24.49	24.52	24.53	24.50	24.51	24.52	24.49	24.53	24.44
29	24.52	24.51	24.50	24.50	24.51	24.52	24.53	24.52	24.51	24.51	24.51	24.50	24.49	24.49	24.47	24.46	24.46	24.45	24.46	24.48	24.49	24.50	24.50	24.50	24.50	24.53	24.45
30	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.50	24.49	24.47	24.47	24.46	24.44	24.43	24.41	24.40	24.39	24.38	24.38	24.42	24.43	24.42	24.42	24.42	24.45	24.50	24.38
31	24.43	24.43	24.44	24.45	24.46	24.47	24.48	24.49	24.49	24.48	24.48	24.47	24.46	24.46	24.45	24.44	24.43	24.42	24.41	24.41	24.42	24.43	24.43	24.44	24.45	24.49	24.41
Avg	24.45	24.45	24.45	24.45	24.45	24.46	24.47	24.47	24.46	24.46	24.46	24.45	24.44	24.43	24.42	24.42	24.42	24.42	24.42	24.44	24.45	24.46	24.46	24.46	24.45	24.50	24.40
Max	24.62	24.61	24.61	24.61	24.61	24.62	24.63	24.63	24.64	24.65	24.65	24.64	24.63	24.61	24.59	24.58	24.58	24.59	24.60	24.62	24.64	24.64	24.62	24.62	24.61	24.65	24.58
Min	24.25	24.24	24.24	24.22	24.21	24.20	24.17	24.16	24.15	24.15	24.18	24.19	24.20	24.19	24.17	24.17	24.17	24.18	24.21	24.25	24.28	24.29	24.28	24.26	24.22	24.34	24.15

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
August 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.44	24.44	24.45	24.45	24.47	24.48	24.49	24.50	24.49	24.49	24.49	24.49	24.47	24.47	24.45	24.44	24.44	24.43	24.42	24.43	24.44	24.45	24.45	24.44	24.46	24.50	24.42
2	24.44	24.43	24.43	24.42	24.42	24.43	24.43	24.43	24.42	24.41	24.39	24.38	24.37	24.36	24.35	24.34	24.34	24.35	24.35	24.35	24.35	24.37	24.38	24.39	24.39	24.44	24.34
3	24.39	24.39	24.39	24.40	24.41	24.41	24.42	24.43	24.43	24.45	24.45	24.46	24.46	24.47	24.46	24.46	24.46	24.47	24.47	24.48	24.50	24.51	24.52	24.53	24.45	24.53	24.39
4	24.52	24.52	24.52	24.52	24.52	24.53	24.54	24.56	24.56	24.55	24.55	24.54	24.54	24.53	24.52	24.52	24.52	24.51	24.51	24.51	24.52	24.53	24.52	24.52	24.53	24.56	24.51
5	24.51	24.51	24.52	24.51	24.51	24.51	24.52	24.52	24.51	24.52	24.51	24.51	24.51	24.50	24.49	24.48	24.47	24.47	24.46	24.47	24.49	24.51	24.52	24.52	24.50	24.52	24.46
6	24.52	24.51	24.51	24.51	24.51	24.52	24.54	24.54	24.54	24.54	24.54	24.54	24.53	24.53	24.53	24.53	24.54	24.55	24.56	24.56	24.57	24.58	24.58	24.58	24.54	24.58	24.51
7	24.57	24.57	24.57	24.57	24.57	24.57	24.59	24.60	24.59	24.59	24.58	24.57	24.56	24.55	24.54	24.53	24.53	24.53	24.53	24.54	24.56	24.57	24.57	24.58	24.56	24.60	24.53
8	24.58	24.57	24.57	24.56	24.56	24.57	24.58	24.58	24.56	24.55	24.55	24.54	24.52	24.51	24.48	24.47	24.48	24.51	24.52	24.53	24.55	24.55	24.55	24.55	24.54	24.58	24.47
9	24.55	24.54	24.54	24.55	24.55	24.56	24.58	24.58	24.58	24.56	24.56	24.55	24.54	24.53	24.52	24.52	24.51	24.49	24.48	24.48	24.49	24.50	24.49	24.50	24.53	24.58	24.48
10	24.48	24.46	24.50	24.49	24.46	24.46	24.49	24.49	24.47	24.44	24.44	24.44	24.48	24.48	24.46	24.43	24.43	24.41	24.41	24.40	24.41	24.40	24.40	24.43	24.45	24.50	24.40
11	24.42	24.41	24.42	24.43	24.43	24.43	24.45	24.45	24.46	24.47	24.47	24.46	24.46	24.46	24.47	24.47	24.47	24.47	24.48	24.49	24.51	24.51	24.51	24.52	24.46	24.52	24.41
12	24.52	24.53	24.53	24.54	24.54	24.54	24.55	24.54	24.54	24.54	24.53	24.53	24.52	24.51	24.49	24.48	24.48	24.47	24.46	24.47	24.48	24.48	24.49	24.49	24.51	24.55	24.46
13	24.48	24.48	24.48	24.46	24.45	24.46	24.47	24.47	24.46	24.45	24.44	24.43	24.43	24.42	24.42	24.40	24.40	24.39	24.38	24.39	24.39	24.40	24.40	24.40	24.43	24.48	24.38
14	24.39	24.39	24.39	24.38	24.38	24.37	24.38	24.38	24.37	24.35	24.34	24.32	24.31	24.30	24.29	24.27	24.25	24.25	24.26	24.27	24.29	24.36	24.38	24.40	24.34	24.40	24.25
15	24.41	24.42	24.43	24.45	24.47	24.48	24.50	24.52	24.53	24.55	24.56	24.56	24.55	24.56	24.55	24.55	24.54	24.54	24.53	24.54	24.56	24.56	24.57	24.56	24.52	24.57	24.41
16	24.56	24.55	24.54	24.54	24.54	24.53	24.53	24.53	24.53	24.53	24.51	24.50	24.49	24.48	24.47	24.46	24.45	24.44	24.44	24.45	24.47	24.47	24.48	24.48	24.50	24.56	24.44
17	24.48	24.49	24.49	24.49	24.49	24.49	24.51	24.52	24.51	24.50	24.50	24.49	24.48	24.48	24.47	24.47	24.47	24.48	24.48	24.50	24.53	24.54	24.54	24.55	24.50	24.55	24.47
18	24.55	24.55	24.55	24.55	24.55	24.55	24.57	24.58	24.57	24.56	24.55	24.53	24.51	24.50	24.48	24.47	24.47	24.46	24.46	24.48	24.49	24.50	24.49	24.48	24.52	24.58	24.46
19	24.48	24.48	24.47	24.48	24.48	24.48	24.48	24.48	24.47	24.46	24.45	24.45	24.43	24.42	24.42	24.41	24.40	24.40	24.40	24.41	24.43	24.43	24.42	24.43	24.44	24.48	24.40
20	24.42	24.41	24.42	24.42	24.43	24.43	24.44	24.44	24.43	24.42	24.42	24.42	24.41	24.41	24.40	24.40	24.40	24.41	24.42	24.42	24.43	24.45	24.45	24.45	24.42	24.45	24.40
21	24.44	24.44	24.43	24.43	24.42	24.43	24.43	24.43	24.42	Au	Au	Au	Au	24.35	24.33	24.32	24.32	24.32	24.33	24.38	24.40	24.39	24.36	24.37	24.39	24.44	24.32
22	24.39	24.37	24.37	24.36	24.37	24.38	24.39	24.39	24.39	24.38	24.38	24.37	24.36	24.36	24.35	24.34	24.34	24.34	24.34	24.35	24.37	24.37	24.37	24.38	24.37	24.39	24.34
23	24.37	24.37	24.36	24.35	24.35	24.35	24.35	24.35	24.35	24.34	24.33	24.32	24.30	24.29	24.28	24.27	24.25	24.24	24.24	24.24	24.25	24.26	24.26	24.27	24.31	24.37	24.24
24	24.27	24.26	24.26	24.26	24.26	24.26	24.27	24.28	24.28	24.28	24.29	24.31	24.31	24.31	24.32	24.33	24.35	24.36	24.37	24.38	24.40	24.40	24.40	24.39	24.32	24.40	24.26
25	24.38	24.39	24.38	24.38	24.37	24.38	24.38	24.39	24.39	24.38	24.37	24.36	24.36	24.34	24.33	24.33	24.33	24.33	24.33	24.34	24.36	24.38	24.38	24.39	24.36	24.39	24.33
26	24.39	24.39	24.40	24.40	24.41	24.42	24.43	24.45	24.44	24.44	24.43	24.43	24.42	24.42	24.41	24.39	24.39	24.39	24.40	24.41	24.43	24.43	24.45	24.46	24.42	24.46	24.39
27	24.44	24.44	24.43	24.44	24.44	24.45	24.47	24.47	24.47	24.48	24.48	24.47	24.46	24.45	24.44	24.43	24.45	24.47	24.45	24.44	24.46	24.48	24.48	24.48	24.46	24.48	24.43
28	24.48	24.47	24.47	24.47	24.48	24.47	24.49	24.50	24.49	24.48	24.46	24.44	24.42	24.40	24.38	24.36	24.33	24.31	24.31	24.31	24.31	24.30	24.29	24.29	24.40	24.50	24.29
29	24.28	24.28	24.28	24.28	24.28	24.29	24.31	24.34	24.34	24.35	24.35	24.36	24.34	24.34	24.32	24.32	24.31	24.32	24.32	24.35	24.38	24.39	24.40	24.41	24.33	24.41	24.28
30	24.42	24.42	24.42	24.42	24.42	24.42	24.44	24.44	24.44	24.43	24.42	24.40	24.39	24.38	24.36	24.36	24.35	24.35	24.35	24.36	24.38	24.38	24.37	24.37	24.40	24.44	24.35
31	24.36	24.35	24.36	24.35	24.36	24.37	24.37	24.38	24.38	24.36	24.36	24.35	24.34	24.32	24.31	24.29	24.28	24.27	24.28	24.29	24.30	24.32	24.34	24.33	24.33	24.38	24.27
Avg	24.45	24.45	24.45	24.45	24.45	24.45	24.46	24.47	24.46	24.46	24.46	24.45	24.44	24.43	24.42	24.41	24.41	24.41	24.41	24.42	24.44	24.44	24.45	24.45	24.44	24.49	24.39
Max	24.58	24.57	24.57	24.57	24.57	24.57	24.59	24.60	24.59	24.59	24.58	24.57	24.56	24.56	24.55	24.55	24.54	24.55	24.56	24.56	24.57	24.58	24.58	24.58	24.56	24.60	24.53
Min	24.27	24.26	24.26	24.26	24.26	24.26	24.27	24.28	24.28	24.28	24.29	24.31	24.30	24.29	24.28	24.27	24.25	24.24	24.24	24.24	24.25	24.26	24.26	24.27	24.31	24.37	24.24

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
September 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.32	24.32	24.31	24.31	24.30	24.30	24.31	24.31	24.31	24.32	24.32	24.31	24.30	24.28	24.29	24.31	24.32	24.32	24.35	24.36	24.37	24.39	24.40	24.40	24.33	24.40	24.28
2	24.40	24.40	24.40	24.41	24.40	24.41	24.41	24.44	24.45	24.44	24.43	24.42	24.41	24.39	24.37	24.36	24.36	24.35	24.35	24.37	24.39	24.39	24.40	24.41	24.40	24.45	24.35
3	24.42	24.42	24.42	24.42	24.42	24.42	24.44	24.45	24.45	24.45	24.44	24.43	24.42	24.42	24.40	24.39	24.38	24.37	24.37	24.39	24.40	24.40	24.39	24.40	24.41	24.45	24.37
4	24.39	24.39	24.39	24.39	24.40	24.41	24.42	24.44	24.43	24.43	24.44	24.44	24.45	24.45	24.46	24.46	24.46	24.46	24.46	24.47	24.47	24.47	24.48	24.47	24.44	24.48	24.39
5	24.46	24.46	24.46	24.45	24.44	24.43	24.43	24.43	24.42	24.41	24.39	24.38	24.36	24.35	24.34	24.33	24.33	24.33	24.33	24.34	24.36	24.36	24.38	24.39	24.39	24.46	24.33
6	24.40	24.39	24.39	24.39	24.39	24.40	24.41	24.43	24.44	24.44	24.45	24.44	24.44	24.44	24.45	24.46	24.48	24.49	24.50	24.51	24.52	24.53	24.53	24.53	24.45	24.53	24.39
7	24.54	24.54	24.55	24.55	24.55	24.56	24.57	24.60	24.61	24.61	24.61	24.61	24.61	24.60	24.60	24.59	24.59	24.59	24.60	24.61	24.63	24.64	24.64	24.64	24.59	24.64	24.54
8	24.64	24.64	24.64	24.63	24.63	24.63	24.64	24.65	24.64	24.63	24.61	24.60	24.58	24.56	24.54	24.52	24.50	24.49	24.48	24.49	24.49	24.49	24.48	24.47	24.57	24.65	24.47
9	24.47	24.45	24.44	24.43	24.41	24.41	24.41	24.41	24.40	24.39	24.37	24.34	24.32	24.30	24.28	24.27	24.25	24.23	24.22	24.23	24.24	24.25	24.26	24.26	24.33	24.47	24.22
10	24.25	24.25	24.25	24.25	24.24	24.24	24.24	24.25	24.26	24.25	24.24	24.23	24.22	24.20	24.19	24.19	24.19	24.21	24.21	24.23	24.27	24.28	24.29	24.31	24.24	24.31	24.19
11	24.31	24.31	24.31	24.31	24.32	24.33	24.35	24.38	24.39	24.39	24.39	24.39	24.40	24.40	24.39	24.40	24.40	24.41	24.43	24.45	24.46	24.48	24.49	24.49	24.39	24.49	24.31
12	24.50	24.51	24.51	24.51	24.52	24.53	24.56	24.58	24.60	24.61	24.62	24.62	24.62	24.61	24.60	24.60	24.60	24.60	24.60	24.60	24.61	24.62	24.62	24.62	24.58	24.62	24.50
13	24.63	24.64	24.64	24.65	24.66	24.68	24.69	24.71	24.72	24.72	24.71	24.71	24.70	24.68	24.67	24.66	24.65	24.65	24.65	24.66	24.67	24.67	24.66	24.65	24.67	24.72	24.63
14	24.64	24.64	24.62	24.61	24.61	24.60	24.59	24.60	24.60	24.59	24.57	24.56	24.55	24.53	24.52	24.51	24.50	24.49	24.49	24.50	24.50	24.50	24.50	24.50	24.56	24.64	24.49
15	24.49	24.49	24.48	24.48	24.48	24.48	24.47	24.49	24.49	24.48	24.47	24.47	24.47	24.47	24.47	24.46	24.46	24.46	24.46	24.47	24.48	24.49	24.49	24.49	24.48	24.49	24.46
16	24.48	24.47	24.47	24.47	24.47	24.47	24.48	24.51	24.53	24.54	24.54	24.53	24.52	24.52	24.51	24.50	24.50	24.51	24.51	24.52	24.53	24.53	24.53	24.52	24.51	24.54	24.47
17	24.52	24.52	24.51	24.51	24.50	24.50	24.50	24.52	24.52	24.51	24.51	24.50	24.48	24.47	24.46	24.45	24.46	24.46	24.46	24.46	24.47	24.47	24.47	24.47	24.49	24.52	24.45
18	24.47	24.47	24.47	24.46	24.46	24.46	24.46	24.48	24.48	24.46	24.45	24.44	24.42	24.41	24.39	24.38	24.38	24.38	24.39	24.40	24.42	24.44	24.45	24.47	24.44	24.48	24.38
19	24.48	24.49	24.50	24.52	24.52	24.53	24.53	24.55	24.55	24.54	24.53	24.52	24.50	24.48	24.47	24.46	24.45	24.46	24.46	24.47	24.48	24.49	24.50	24.51	24.50	24.55	24.45
20	24.51	24.51	24.52	24.51	24.51	24.51	24.52	24.53	24.54	24.54	24.53	24.52	24.51	24.50	24.49	24.49	24.49	24.49	24.49	24.51	24.52	24.52	24.52	24.52	24.51	24.54	24.49
21	24.52	24.52	24.52	24.52	24.52	24.53	24.54	24.55	24.56	24.55	24.54	24.53	24.51	24.50	24.48	24.47	24.48	24.49	24.50	24.51	24.51	24.52	24.52	24.52	24.52	24.56	24.47
22	24.53	24.53	24.52	24.51	24.51	24.51	24.51	24.52	24.52	24.51	24.51	24.50	24.49	24.47	24.46	24.45	24.45	24.45	24.45	24.47	24.47	24.48	24.48	24.47	24.49	24.53	24.45
23	24.47	24.47	24.46	24.46	24.46	24.46	24.46	24.47	24.48	24.48	24.47	24.46	24.44	24.43	24.43	24.43	24.44	24.44	24.45	24.47	24.46	24.46	24.45	24.45	24.46	24.48	24.43
24	24.44	24.43	24.42	24.42	24.42	24.41	24.41	24.42	24.43	24.42	24.40	24.39	24.37	24.35	24.34	24.33	24.32	24.33	24.34	24.35	24.35	24.35	24.35	24.35	24.38	24.44	24.32
25	24.35	24.34	24.34	24.33	24.33	24.33	24.34	24.36	24.37	24.37	24.35	24.35	24.34	24.33	24.33	24.33	24.33	24.34	24.35	24.37	24.38	24.38	24.38	24.39	24.35	24.39	24.33
26	24.39	24.39	24.40	24.40	24.41	24.42	24.43	24.44	24.45	24.45	24.45	24.43	24.42	24.41	24.41	24.41	24.41	24.42	24.44	24.45	24.46	24.47	24.47	24.47	24.43	24.47	24.39
27	24.47	24.47	24.47	24.47	24.47	24.47	24.48	24.49	24.50	24.50	24.49	24.48	24.47	24.46	24.45	24.44	24.44	24.43	24.44	24.45	24.45	24.45	24.46	24.46	24.47	24.50	24.43
28	24.45	24.44	24.44	24.43	24.42	24.41	24.42	24.43	24.44	24.42	24.41	24.40	24.39	24.37	24.35	24.33	24.33	24.33	24.34	24.35	24.35	24.36	24.36	24.36	24.39	24.45	24.33
29	24.37	24.37	24.38	24.39	24.39	24.41	24.41	24.43	24.45	24.45	24.44	24.44	24.43	24.43	24.43	24.43	24.43	24.43	24.44	24.45	24.47	24.48	24.48	24.48	24.43	24.48	24.37
30	24.48	24.48	24.48	24.49	24.49	24.49	24.50	24.52	24.54	24.54	24.54	24.53	24.53	24.53	24.54	24.54	24.54	24.56	24.57	24.58	24.60	24.61	24.61	24.61	24.54	24.61	24.48
Avg	24.46	24.46	24.46	24.46	24.46	24.46	24.46	24.48	24.49	24.48	24.47	24.47	24.46	24.44	24.44	24.43	24.43	24.43	24.44	24.45	24.46	24.47	24.47	24.47	24.46	24.51	24.41
Max	24.64	24.64	24.64	24.65	24.66	24.68	24.69	24.71	24.72	24.72	24.71	24.71	24.70	24.68	24.67	24.66	24.65	24.65	24.65	24.66	24.67	24.67	24.66	24.65	24.67	24.72	24.63
Min	24.25	24.25	24.25	24.25	24.24	24.24	24.24	24.25	24.26	24.25	24.24	24.23	24.22	24.20	24.19	24.19	24.19	24.21	24.21	24.23	24.24	24.25	24.26	24.26	24.24	24.31	24.19

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
July 2012

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	53.0	37.6	41.3	43.8	51.0	66.2	60.7	53.3	50.4	54.1	50.6	43.4	40.9	42.1	42.4	41.8	47.1	50.2	68.8	88.4	92.6	91.1	90.3	94.5	58.1	94.5	37.6
2	96.5	98.9	99.7	99.7	99.8	99.5	97.4	90.5	65.4	57.2	51.4	49.4	46.1	46.0	40.4	37.5	34.0	28.5	33.1	43.6	49.9	58.8	48.1	44.6	63.2	99.8	28.5
3	45.3	49.4	53.5	55.5	59.8	60.0	52.4	43.8	38.3	29.9	38.3	40.6	41.0	40.5	38.2	39.1	39.0	39.2	38.4	40.4	46.3	45.0	49.5	45.3	44.5	60.0	29.9
4	50.0	52.1	67.9	79.0	82.6	78.9	74.1	49.4	47.0	44.0	39.3	33.2	28.1	27.0	25.4	23.9	25.1	26.5	33.7	37.8	48.9	47.1	47.7	54.2	46.8	82.6	23.9
5	65.2	72.9	76.6	79.8	80.0	81.1	76.3	62.8	36.8	39.4	43.1	43.8	36.0	41.5	42.0	42.7	49.7	53.1	54.5	59.6	61.5	75.7	80.1	86.6	60.0	86.6	36.0
6	87.8	90.6	93.5	94.9	97.1	92.8	86.4	72.0	55.0	48.9	53.8	38.6	31.6	25.0	21.9	23.9	30.5	32.4	37.2	42.6	57.1	62.9	67.4	78.6	59.3	97.1	21.9
7	85.4	81.6	86.0	85.6	89.5	86.2	83.2	57.1	59.0	56.1	59.1	45.7	36.0	25.4	24.4	23.7	24.6	39.0	36.0	38.4	45.3	52.6	57.6	71.3	56.2	89.5	23.7
8	73.4	77.2	81.1	86.0	89.5	85.0	74.5	64.9	50.0	37.5	38.7	35.0	31.0	28.4	30.0	31.8	38.2	47.1	41.5	53.2	64.0	75.2	81.1	82.1	58.2	89.5	28.4
9	80.0	86.3	86.3	87.2	90.3	90.4	79.3	61.7	47.5	33.3	17.1	19.4	20.5	20.4	18.8	19.2	20.6	21.9	30.3	35.3	34.3	36.2	42.8	46.6	46.9	90.4	17.1
10	61.4	64.5	72.3	73.1	77.8	78.6	73.1	60.4	45.6	39.5	40.7	36.4	31.5	29.1	26.7	22.5	24.3	32.8	37.3	35.5	45.6	55.4	68.0	71.4	50.1	78.6	22.5
11	71.0	77.1	84.3	87.7	89.2	85.0	77.2	62.9	45.5	40.1	34.1	29.4	24.9	24.5	24.0	26.2	35.7	35.4	39.2	48.4	58.8	63.5	71.4	71.7	54.5	89.2	24.0
12	74.3	78.0	79.9	87.9	85.9	85.8	75.1	63.2	46.8	33.4	26.3	24.3	22.3	19.4	17.6	17.5	19.7	21.6	21.6	45.3	49.1	49.9	54.3	63.9	48.5	87.9	17.5
13	71.1	75.5	77.4	77.8	75.5	80.2	77.3	73.3	50.3	37.5	40.0	42.6	42.6	41.3	43.1	35.3	50.2	55.0	61.6	40.9	48.9	69.2	77.9	78.0	59.3	80.2	35.3
14	81.3	83.8	84.8	84.8	87.0	88.8	87.8	82.0	76.9	68.4	49.9	50.5	53.8	54.4	55.9	51.5	45.8	44.0	56.7	64.0	72.8	89.9	97.2	96.2	71.2	97.2	44.0
15	97.3	97.0	98.0	98.4	99.7	99.7	98.6	92.5	88.3	78.0	70.7	61.3	54.9	48.0	47.4	51.2	53.0	57.2	55.8	61.2	77.5	87.3	89.9	91.2	77.3	99.7	47.4
16	93.9	93.3	92.9	95.5	98.5	93.6	88.4	77.0	61.1	49.4	48.2	45.8	45.6	41.4	44.9	56.5	89.9	92.0	86.6	92.0	95.2	96.5	97.6	98.0	78.1	98.5	41.4
17	99.1	99.4	99.6	99.8	99.7	99.1	89.8	82.0	74.2	68.8	59.5	54.3	46.7	42.0	46.3	37.5	36.3	37.0	42.5	41.1	51.8	72.4	79.3	80.5	68.3	99.8	36.3
18	85.7	88.3	86.7	90.2	89.9	91.3	82.0	69.0	56.7	36.6	32.8	28.9	22.1	21.4	20.0	22.2	24.2	25.0	24.9	32.5	45.3	60.3	62.7	70.0	52.9	91.3	20.0
19	65.5	68.8	81.4	75.6	79.8	80.1	69.5	56.3	42.3	38.7	33.3	29.7	28.2	22.8	22.9	28.8	33.6	35.8	42.6	46.3	49.5	55.1	52.6	64.0	50.1	81.4	22.8
20	72.1	74.6	74.6	74.6	67.3	49.5	43.9	61.8	73.8	74.0	64.4	46.1	40.4	35.7	31.0	28.1	31.9	69.1	75.7	74.5	81.3	83.4	83.5	83.5	62.3	83.5	28.1
21	86.9	93.9	96.0	95.9	98.4	97.8	86.9	75.5	63.5	57.7	54.2	39.5	35.2	30.6	30.2	29.1	28.1	27.8	34.3	42.5	49.6	61.5	65.7	72.9	60.6	98.4	27.8
22	77.7	80.9	83.9	85.7	88.0	86.4	75.8	66.3	47.4	33.5	30.2	28.2	24.9	20.8	21.8	25.9	28.6	33.8	56.3	65.7	65.6	61.8	61.8	60.5	54.6	88.0	20.8
23	61.8	67.1	63.3	62.3	70.1	73.8	62.2	52.3	43.8	38.0	35.2	32.5	28.1	25.9	31.5	38.4	39.8	56.9	47.6	54.3	69.4	73.5	76.8	75.7	53.3	76.8	25.9
24	70.9	82.8	83.4	89.8	91.0	92.4	85.5	67.8	39.4	33.4	28.6	25.0	24.3	21.7	20.6	19.3	18.3	19.5	20.9	27.7	35.7	51.0	63.5	70.9	49.3	92.4	18.3
25	77.0	83.0	85.9	88.0	91.2	90.0	80.1	67.2	51.0	45.6	42.8	40.2	37.1	34.0	30.7	30.9	30.5	30.5	37.2	42.4	52.9	63.5	78.2	82.5	58.0	91.2	30.5
26	86.6	89.2	91.9	92.9	93.3	93.1	83.9	71.1	53.6	42.0	38.6	34.6	32.1	28.1	28.5	48.5	65.4	49.6	52.6	57.0	66.7	64.1	58.5	60.5	61.8	93.3	28.1
27	63.8	73.9	82.5	87.1	90.1	91.4	88.0	89.2	76.6	57.3	67.0	60.2	45.7	37.2	32.5	28.5	28.4	35.1	54.2	78.2	88.9	81.8	79.5	88.1	66.9	91.4	28.4
28	93.0	94.2	93.8	93.1	97.6	92.6	88.8	77.8	62.7	49.9	34.9	30.8	26.9	24.6	21.5	20.4	26.6	26.8	36.7	65.1	72.4	71.7	78.0	84.4	61.0	97.6	20.4
29	79.8	77.8	80.8	83.4	85.1	88.5	82.0	67.1	49.7	37.3	31.9	28.9	27.3	24.7	23.3	23.4	25.2	24.0	29.9	38.6	40.9	40.2	52.5	58.4	50.0	88.5	23.3
30	70.4	77.7	75.4	81.1	87.3	87.6	75.7	64.3	47.6	29.6	27.5	25.0	23.9	18.9	15.4	12.9	16.3	19.4	27.6	28.5	28.1	34.1	43.9	57.9	44.8	87.6	12.9
31	68.2	71.1	74.7	80.6	80.7	83.5	72.5	57.7	37.8	31.1	30.6	28.7	24.3	21.4	22.2	23.3	23.4	23.2	25.9	35.9	45.8	49.6	54.8	60.2	47.0	83.5	21.4
Avg	75.7	78.7	81.6	83.8	85.9	85.4	78.3	67.5	54.3	45.8	42.3	37.8	34.0	31.1	30.4	31.0	35.0	38.4	43.3	50.2	57.8	63.9	68.1	72.4	57.2	89.2	27.2
Max	99.1	99.4	99.7	99.8	99.8	99.7	98.6	92.5	88.3	78.0	70.7	61.3	54.9	54.4	55.9	56.5	89.9	92.0	86.6	92.0	95.2	96.5	97.6	98.0	78.1	99.8	47.4
Min	45.3	37.6	41.3	43.8	51.0	49.5	43.9	43.8	36.8	29.6	17.1	19.4	20.5	18.9	15.4	12.9	16.3	19.4	20.9	27.7	28.1	34.1	42.8	44.6	44.5	60.0	12.9

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
August 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	71.8	80.9	83.9	85.3	83.6	83.3	76.9	66.5	40.9	31.5	25.9	21.4	21.2	21.7	20.5	18.9	17.9	20.0	24.6	34.0	43.6	47.7	59.0	63.0	47.7	85.3	17.9
2	70.1	70.3	77.8	80.4	83.1	85.9	72.9	58.8	38.6	31.0	25.2	23.1	23.3	21.8	21.1	23.3	27.4	29.1	29.7	33.9	35.5	48.0	72.5	91.4	48.9	91.4	21.1
3	96.0	85.7	85.7	87.6	92.9	95.0	88.9	83.0	73.9	69.1	60.3	50.8	46.8	43.6	40.7	38.7	38.4	40.5	43.6	50.9	65.4	73.9	80.3	84.7	67.4	96.0	38.4
4	89.1	92.1	94.9	96.3	96.9	96.1	90.2	77.5	62.4	48.8	43.4	35.6	30.2	27.4	23.7	20.1	17.8	16.9	18.8	38.2	48.9	61.2	70.5	74.0	57.1	96.9	16.9
5	78.1	80.5	76.7	78.4	81.4	79.3	75.1	55.6	40.2	23.6	22.3	20.0	19.6	19.1	17.3	16.3	16.5	17.1	20.6	29.9	39.5	46.6	55.7	65.4	44.8	81.4	16.3
6	69.7	73.2	68.6	69.9	73.8	76.1	73.1	60.7	51.4	41.3	29.3	23.4	21.2	21.5	23.0	21.7	24.9	26.2	30.6	34.0	43.9	55.1	58.3	65.4	47.3	76.1	21.2
7	70.4	76.3	80.1	85.9	87.6	89.3	79.7	65.7	46.5	34.4	26.3	22.8	20.9	19.7	17.4	15.9	16.4	17.6	19.9	24.6	37.8	46.6	52.2	58.8	46.4	89.3	15.9
8	62.9	63.1	62.8	63.9	65.6	66.1	61.3	52.7	35.7	25.1	22.5	20.8	19.7	20.0	17.6	18.3	21.5	27.2	31.2	29.7	28.8	34.2	38.2	50.0	39.1	66.1	17.6
9	60.0	67.0	72.8	77.1	80.0	83.2	82.8	68.4	50.1	39.1	34.8	31.7	29.4	24.6	24.2	24.5	21.2	24.0	27.9	38.4	44.5	43.2	54.5	60.5	48.5	83.2	21.2
10	62.8	65.4	68.8	68.2	76.1	83.5	88.0	80.9	69.9	50.2	44.8	45.5	56.8	58.7	58.1	48.4	50.5	58.4	54.4	60.8	67.1	68.6	62.8	70.5	63.3	88.0	44.8
11	74.2	82.9	88.6	93.2	93.3	93.8	94.7	88.4	75.7	62.5	54.9	44.0	38.0	32.6	28.7	29.4	34.5	36.7	38.6	46.4	63.9	70.9	72.9	82.2	63.4	94.7	28.7
12	85.0	88.2	89.1	92.9	92.1	91.7	82.1	63.5	53.7	48.5	42.9	40.3	38.1	37.1	34.3	35.4	37.7	35.7	40.4	44.3	50.2	50.4	51.4	56.5	57.6	92.9	34.3
13	57.9	61.2	63.9	76.4	81.8	86.1	84.1	72.4	54.6	40.0	34.8	29.0	24.4	22.4	21.1	21.1	20.8	19.7	27.1	40.1	50.3	61.4	67.0	71.0	49.5	86.1	19.7
14	75.2	79.3	81.7	85.6	85.5	88.0	81.6	66.0	43.4	27.9	23.4	20.6	20.2	19.4	19.5	18.9	19.0	21.1	24.1	28.2	34.3	72.5	83.9	83.6	50.1	88.0	18.9
15	82.2	84.0	82.8	79.1	81.4	86.9	82.8	83.4	86.1	79.0	74.3	73.8	71.2	69.8	65.0	62.4	63.7	65.1	67.5	70.0	74.2	76.8	77.2	82.2	75.9	86.9	62.4
16	84.6	86.0	85.1	83.3	79.0	77.7	74.7	68.4	63.5	58.9	52.1	45.5	38.5	32.7	30.3	29.3	29.3	28.1	34.2	46.1	58.7	70.8	72.8	77.4	58.6	86.0	28.1
17	83.8	85.0	89.6	92.2	92.2	89.3	79.5	61.0	39.7	24.6	16.8	18.6	17.7	16.4	15.2	13.6	15.1	16.9	20.7	29.6	38.8	50.8	59.2	62.8	47.0	92.2	13.6
18	65.6	71.0	75.2	75.6	80.2	80.9	75.9	54.8	38.3	26.3	23.7	22.3	19.8	18.3	16.4	15.7	16.9	21.0	23.1	25.6	35.6	37.8	44.2	50.0	42.3	80.9	15.7
19	51.4	56.9	60.6	63.5	67.9	72.5	69.6	54.3	37.3	24.5	20.4	18.5	17.5	16.7	18.2	19.9	20.9	20.8	28.2	37.6	46.3	46.8	48.9	54.3	40.6	72.5	16.7
20	61.2	71.0	70.0	69.6	70.6	75.0	70.5	56.6	36.4	24.3	20.3	20.4	18.6	16.8	19.3	17.9	18.5	22.5	28.4	30.5	38.9	44.4	51.6	57.3	42.1	75.0	16.8
21	62.2	61.6	62.4	55.5	61.1	61.3	65.7	50.9	40.0	Au	Au	Au	Au	22.0	20.4	18.9	18.7	24.1	28.6	48.2	70.3	74.7	75.6	81.3	50.2	81.3	18.7
22	89.2	90.3	93.6	94.9	94.8	94.4	93.3	87.1	72.9	60.6	50.2	45.0	34.3	28.1	27.3	25.9	24.9	27.2	30.8	42.9	58.0	62.0	69.4	73.4	61.3	94.9	24.9
23	81.4	83.1	85.8	86.3	87.4	86.6	84.5	71.9	45.2	27.6	21.7	20.9	19.5	19.1	19.1	18.9	17.7	18.7	24.2	40.4	48.1	55.1	59.3	63.9	49.4	87.4	17.7
24	64.4	69.3	69.0	74.6	78.2	81.4	80.9	68.1	48.4	32.7	22.5	21.2	16.6	15.5	15.2	15.5	16.7	17.9	22.2	28.4	34.9	47.5	57.4	66.3	44.4	81.4	15.2
25	73.3	75.0	80.9	81.2	83.5	85.2	79.6	64.8	43.7	28.7	24.1	19.9	18.0	14.7	12.0	10.8	10.7	13.3	16.7	31.0	37.3	47.9	52.2	54.6	44.1	85.2	10.7
26	55.2	55.4	61.5	65.7	67.7	69.6	65.7	57.7	35.6	26.4	25.3	22.8	20.1	19.8	19.4	19.2	20.7	23.2	23.8	25.4	27.4	30.4	38.5	35.2	38.0	69.6	19.2
27	42.4	47.3	46.9	50.7	62.8	71.1	71.9	60.4	41.0	34.7	30.0	26.9	23.0	16.6	17.8	19.1	25.9	35.1	36.1	39.5	49.4	56.9	60.5	69.6	43.1	71.9	16.6
28	70.9	78.0	82.4	85.4	86.6	89.1	83.3	69.0	47.0	25.3	17.8	15.3	12.8	11.5	12.2	12.8	13.5	13.5	16.9	27.2	31.0	36.4	46.6	44.5	42.9	89.1	11.5
29	45.1	40.7	44.9	53.0	60.1	65.1	65.2	55.1	35.7	28.7	24.7	24.9	21.8	20.5	17.2	17.9	19.8	25.0	32.2	37.0	40.2	44.0	53.9	62.2	39.0	65.2	17.2
30	62.5	67.7	67.4	74.4	78.0	79.1	72.7	63.3	42.5	29.5	27.4	24.5	19.8	17.5	13.2	14.4	13.4	15.4	23.7	33.7	34.5	39.8	48.3	54.3	42.4	79.1	13.2
31	59.3	66.6	68.8	75.1	76.6	76.4	77.4	70.8	58.3	38.0	24.2	23.3	24.4	23.2	23.7	21.1	21.2	25.8	32.2	36.0	42.6	44.4	62.6	78.9	48.0	78.9	21.1
Avg	69.6	72.7	74.9	77.5	80.1	81.9	78.2	66.4	50.0	38.1	32.2	29.1	26.8	24.8	23.5	22.7	23.6	25.9	29.7	37.5	45.8	53.1	59.9	66.0	49.7	83.6	21.7
Max	96.0	92.1	94.9	96.3	96.9	96.1	94.7	88.4	86.1	79.0	74.3	73.8	71.2	69.8	65.0	62.4	63.7	65.1	67.5	70.0	74.2	76.8	83.9	91.4	75.9	96.9	62.4
Min	42.4	40.7	44.9	50.7	60.1	61.3	61.3	50.9	35.6	23.6	16.8	15.3	12.8	11.5	12.0	10.8	10.7	13.3	16.7	24.6	27.4	30.4	38.2	35.2	38.0	65.2	10.7

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
September 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	83.0	88.0	91.3	93.6	88.2	83.5	86.7	81.5	73.3	60.6	53.2	46.3	35.0	32.5	54.1	82.1	79.3	81.4	72.4	84.0	87.4	88.5	93.7	96.6	75.7	96.6	32.5
2	97.2	97.9	98.5	97.4	96.1	94.1	92.2	86.2	76.4	34.6	26.2	23.1	21.1	19.9	18.5	17.2	16.9	19.2	21.2	27.6	27.4	39.1	42.9	51.2	51.8	98.5	16.9
3	64.1	64.1	68.2	74.1	78.4	77.5	76.7	65.6	36.2	30.1	27.7	25.5	21.9	19.9	18.7	17.9	16.8	17.7	22.5	35.3	45.6	50.2	56.1	60.0	44.6	78.4	16.8
4	63.5	66.9	68.8	67.8	69.1	71.2	73.3	61.4	39.2	34.1	34.0	35.8	36.9	36.1	36.9	34.6	33.1	34.4	41.2	52.0	64.1	71.0	75.4	83.7	53.5	83.7	33.1
5	86.5	89.1	89.2	90.5	91.3	92.9	91.1	78.2	58.8	41.1	36.9	30.8	27.7	25.9	21.7	19.2	19.6	21.4	24.3	32.3	44.4	50.2	53.7	55.0	53.0	92.9	19.2
6	58.7	54.8	60.4	67.1	69.1	73.9	78.1	73.4	67.3	52.8	46.5	45.9	44.4	47.1	51.9	52.7	57.4	62.2	67.5	70.7	74.8	82.2	88.0	90.8	64.1	90.8	44.4
7	94.3	95.4	94.6	95.4	97.6	97.6	97.0	92.0	76.2	57.4	49.5	41.5	34.4	28.6	25.9	22.9	20.9	20.2	25.8	42.4	44.4	49.8	61.4	66.7	59.7	97.6	20.2
8	69.1	70.8	75.5	77.1	78.9	80.6	78.2	62.3	45.0	27.4	20.6	18.3	15.7	15.1	13.9	13.8	14.2	15.7	24.3	35.3	40.9	44.0	48.6	55.5	43.4	80.6	13.8
9	58.5	63.3	66.5	68.5	73.2	72.0	72.6	60.7	44.2	21.1	16.9	15.4	13.1	13.0	14.7	17.7	19.6	20.0	25.7	34.8	46.0	48.7	52.0	57.1	41.5	73.2	13.0
10	62.1	68.5	68.7	71.4	77.6	79.2	78.9	71.8	57.2	33.4	30.4	26.7	24.7	20.7	18.0	17.5	17.2	21.1	26.3	30.7	37.0	43.4	50.8	54.1	45.3	79.2	17.2
11	62.8	70.2	75.5	80.9	85.1	86.9	84.6	75.2	43.9	29.7	24.1	23.2	21.4	20.5	19.7	18.1	16.6	16.9	22.0	29.9	40.5	46.7	53.7	54.1	45.9	86.9	16.6
12	55.0	58.8	58.3	59.5	61.9	66.5	65.2	54.1	36.4	32.9	30.4	27.9	27.7	25.7	23.3	22.7	22.8	22.9	27.5	38.9	49.8	55.9	61.5	66.1	43.8	66.5	22.7
13	69.6	70.6	71.5	75.8	76.9	79.0	76.9	62.0	44.5	29.3	27.0	25.3	23.3	21.0	20.0	19.2	18.1	17.8	28.3	39.5	45.4	52.9	58.7	59.7	46.3	79.0	17.8
14	64.1	68.1	70.4	72.6	75.3	75.0	74.1	67.1	51.0	29.7	14.7	12.2	9.6	7.2	6.1	6.3	6.6	9.0	15.0	23.6	26.3	31.4	36.1	39.0	37.1	75.3	6.1
15	44.5	47.4	45.3	53.0	53.6	55.6	58.3	52.7	39.1	27.9	13.0	13.2	15.4	15.5	15.8	16.6	17.9	20.9	26.4	31.0	38.7	42.1	47.7	53.7	35.2	58.3	13.0
16	57.9	62.6	64.3	69.0	73.4	75.8	78.7	74.1	59.1	47.0	43.5	37.2	34.1	32.9	34.2	32.9	33.7	35.8	45.1	53.7	61.8	60.6	66.8	74.0	54.5	78.7	32.9
17	77.6	84.1	88.3	89.5	91.1	92.9	90.9	78.3	65.7	49.4	40.3	36.4	33.3	30.9	28.3	25.9	26.8	28.8	36.6	47.5	56.1	63.0	66.5	73.1	58.4	92.9	25.9
18	75.4	79.2	81.3	83.2	85.7	86.0	83.1	70.2	52.7	32.7	27.3	24.7	22.6	20.1	17.6	17.3	18.0	16.9	19.1	27.3	37.6	45.4	51.9	58.9	47.3	86.0	16.9
19	64.6	61.1	57.4	63.7	71.7	75.2	75.2	66.5	46.6	31.6	28.1	26.9	25.1	21.7	19.2	19.2	20.3	22.4	28.4	41.3	45.6	52.2	59.0	60.8	45.2	75.2	19.2
20	70.6	73.7	76.2	77.6	80.0	76.7	78.2	64.6	45.9	28.4	24.7	23.8	23.7	22.6	22.4	22.3	22.6	26.8	32.7	41.9	50.8	58.1	64.3	69.9	49.1	80.0	22.3
21	74.5	75.0	78.0	80.8	82.2	84.4	84.2	69.1	46.6	31.3	25.4	23.4	21.9	21.2	20.4	21.0	22.0	24.0	30.4	39.5	46.0	51.6	54.3	59.8	48.6	84.4	20.4
22	57.5	62.9	69.8	73.9	77.1	79.5	80.7	67.0	51.8	32.6	29.5	26.8	25.8	24.4	23.5	23.0	25.2	28.7	31.0	32.8	36.0	37.0	42.5	50.3	45.4	80.7	23.0
23	56.3	62.1	66.8	75.0	74.7	78.7	79.1	78.0	66.3	43.4	29.0	24.8	23.2	21.6	20.9	21.7	24.2	28.0	33.3	36.5	46.3	51.4	59.9	65.1	48.6	79.1	20.9
24	67.9	70.4	71.0	75.3	77.6	78.6	81.1	75.7	57.5	41.1	30.6	27.3	24.6	23.5	22.7	21.9	22.6	28.3	35.0	44.5	49.5	56.8	62.8	64.1	50.4	81.1	21.9
25	69.3	73.6	76.4	77.4	81.4	82.9	84.6	79.8	64.3	47.4	37.8	35.3	35.0	31.6	25.9	22.5	27.4	34.3	39.7	49.5	56.5	60.7	70.4	75.0	55.8	84.6	22.5
26	78.0	76.8	80.2	83.9	86.6	85.9	87.3	83.4	79.2	74.4	64.2	54.6	47.3	40.9	38.5	38.7	40.4	53.1	60.0	65.8	71.8	77.8	83.0	85.0	68.2	87.3	38.5
27	87.5	90.6	92.8	95.9	96.8	97.4	97.4	94.1	76.8	62.9	48.9	44.5	38.7	33.4	31.6	31.7	30.9	32.7	47.7	56.6	66.3	73.7	79.7	82.9	66.3	97.4	30.9
28	86.5	89.2	89.9	90.7	94.1	96.1	95.7	88.5	74.0	53.7	37.4	32.2	27.8	25.3	24.0	21.8	23.4	30.3	40.0	46.2	53.4	61.9	67.6	70.3	59.2	96.1	21.8
29	74.6	76.0	78.3	78.0	78.3	80.1	78.7	71.6	61.2	53.7	42.8	41.2	39.4	38.0	37.4	34.5	33.7	37.2	47.5	58.2	63.1	72.9	76.6	82.4	59.8	82.4	33.7
30	85.3	88.6	90.3	90.7	91.5	90.4	89.6	82.3	67.7	47.1	40.4	35.8	35.9	35.8	34.7	33.9	35.6	39.8	49.3	60.9	65.1	73.9	78.1	83.2	63.6	91.5	33.9
Avg	70.5	73.3	75.5	78.3	80.5	81.5	81.6	72.9	56.8	40.6	33.4	30.2	27.7	25.8	25.4	25.6	26.1	28.9	34.9	43.7	50.6	56.4	62.1	66.6	52.0	83.8	22.9
Max	97.2	97.9	98.5	97.4	97.6	97.6	97.4	94.1	79.2	74.4	64.2	54.6	47.3	47.1	54.1	82.1	79.3	81.4	72.4	84.0	87.4	88.5	93.7	96.6	75.7	98.5	44.4
Min	44.5	47.4	45.3	53.0	53.6	55.6	58.3	52.7	36.2	21.1	13.0	12.2	9.6	7.2	6.1	6.3	6.6	9.0	15.0	23.6	26.3	31.4	36.1	39.0	35.2	58.3	6.1

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
July 2012

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100	0.040	0.040	0.000	0.000	0.280	0.100
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.020
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.320	0.190	0.010	0.520	0.320
15	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.580	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.620	0.580
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.130	0.000	0.000	0.000	0.000	0.000	0.000	0.130	0.130
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.040	0.070	0.000	0.000	0.000	0.130	0.070
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.020	0.020
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.020	0.020	0.000	0.000	0.000	0.000	0.010	0.020	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.020	0.580	0.170	0.110	0.160	0.110	0.360	0.190	0.010	1.790	0.000
Max	0.010	0.010	0.000	0.000	0.000	0.000	0.010	0.020	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.020	0.580	0.130	0.100	0.100	0.070	0.320	0.190	0.010	0.620	0.580

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
August 2012

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.040	0.050	0.040
3	0.020	0.000	0.000	0.010	0.080	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.110	0.080
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.020	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.030
11	0.010	0.020	0.000	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.020
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.020
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Au	Au	Au	Au	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.110	0.120	0.110
22	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.040
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.010
Tot	0.070	0.020	0.020	0.060	0.090	0.020	0.000	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.160	0.490	0.000
Max	0.040	0.020	0.020	0.030	0.080	0.020	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.110	0.120	0.110

Tintina
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
September 2012

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.030	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.170	0.070
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.030	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.170	0.000
Max	0.030	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.170	0.070

APPENDIX B: PERFORMANCE AUDIT REPORTS, THIRD QUARTER 2012

Tintina Resources, Inc 2012 Third Quarter Black Butte Meteorological Station Performance Audit on August 21, 2012, by Don Milmine of Bison Engineering		
Wind Speed Sensor Audit		
Audit Device: RM Young Model 18811Speed Calibration Unit; S/N CA02929		
Audit Value Meters per Second	Station Value Meters per Second	Difference Meters per Second
0.13	0.22	0.09
2.28	2.35	0.07
6.57	6.65	0.08
13.00	13.09	0.09
20.50	20.61	0.11
Wind Direction Sensor Alignment Check		
Audit Device: Weather Measure Model 3516 S/N 737 Evaluation Device and Sokkia Model 116 S/N 35922 Engineers' Transit		
Audit Value Degrees	Station Value Degrees	Difference Degrees
90	89.4	-0.6
180	178.9	-1.1
270	279.1	-0.9
360	360.2	0.2
Wind Direction Sensor Linearity Check		
Audit Device: Climatronics Direction Linearity Fixture P/N 101966		
Audit Value Degrees	Station Value Degrees	Difference Degrees
30	29.7	-0.3
60	59.5	-0.5
90	89.2	-0.8
120	119.3	-0.7
150	148.5	-0.5
180	178.6	-1.4
210	208.7	-1.3
240	238.6	-1.4
270	268.9	-1.1
300	299.3	-0.7
330	329.6	-0.4
0	0.1	0.1
2 Meter Temperature Audit Sensor		
Audit Device: Control Company Model 4007CC S/N 90872928 Thermocouple Sensor		
Audit Value Degrees C	Station Value Degrees C	Difference Degrees C
33.0	33.2	0.2
25.1	25.1	-0.1
0.6	0.2	-0.4

Tintina Resources, Inc
2012 Third Quarter Black Butte Meteorological Station Performance Audit on August 21, 2012, by Don Milmine of Bison Engineering

10 Meter Temperature Audit Sensor

Audit Device: Control Company Model 4007CC S/N 90872928 Thermocouple Sensor

Audit Value Degrees C	Station Value Degrees C	Difference Degrees C
33.0	33.2	0.2
25.2	25.1	-0.1
0.6	0.2	-0.4

10 to 2 Meter Delta Temperature

Audit Device: Control Company Model 4007CC S/N 90872928 Thermocouple Sensor

Audit Value Degrees C	Station Value Degrees C	
33.0	0.0	
25.2	0.0	
0.6	0.0	

Humidity Audit

Audit Device: Taylor Model 5525JI Wet Bulb/Dry Bulb Masons Hygrometer

Audit Value Percent	Station Value Percent	Difference Percent
Wet Bulb 49 ° F Dry Bulb 69 ° F 19 % humidity	23 % humidity	4 % humidity

Barometric Pressure Audit

Audit Device: Taylor Model "Storm Chaser" S/N 02 Aneroid Barometer

Audit Value Inches of Mercurey	Station Value Inches of Mercurey	Difference Inches of Mercurey
24.33	24.37	0.04

Precipitation Audit

Audit Device: Fisher Scientific Graduated Cylinder

Audit Value Inches	Station Value Inches	Difference Inches
0.30	0.29	-0.01

Wind Sensor Threshold Measured Torque Values

Audit Device: R M Young Model 18310 Propeller Torque Disk

Wind Speed Sensor Gram-centimeters	Wind Direction Sensor Gram-centimeters
< 0.5	4.5

Implication for Data Invalidation Resulting From the Performance Audit:
The meteorological tower was set horizontal for the performance audit beginning at 1045 Mountain Standard Time and restored vertical at 1355 Mountain Standard Time.

BISON
ENGINEERING, INC.

1400 11TH AVENUE • HELENA, MT 59601 • 406-442-5768
FAX: 406-449-6653 • E-MAIL: bison@bison-eng.com • www.bison-eng.com

February 26, 2013

Mr. Hoby Rash
Air, Energy & Pollution Prevention Bureau
Montana Dept. of Environmental Quality
P.O. Box 200901
Helena, MT 59620

Dear Mr. Rash:

Enclosed is a copy of the Tintina Resources Inc. (Tintina) quarterly meteorological data report for the fourth quarter of 2012. Tintina installed a 10 meter meteorological tower at their Black Butte Copper Project site, north of White Sulphur Springs, Montana. The tower started operations on April 30, 2012. This report contains the data from October 1 through December 30, 2012.

Please contact me with any comments or questions you may have on this report. I would be happy to discuss these with you.

Sincerely,
BISON ENGINEERING, INC.

Chris Hiltunen, P.E.
Project Engineer

cc: Bob Jacko – Tintina
Vince Scartozzi- Tintina
Alan Kirk – Geomin Resources

Enclosure

TINTINA RESOURCES, INC.
BLACK BUTTE COPPER PROJECT
AMBIENT AIR
MONITORING PROGRAM
Quarterly Data Report
Fourth Quarter 2012

Prepared for:

Tintina Resources, Inc.
17 East Main St
White Sulphur Springs, MT 59645

Prepared by:

Bison Engineering, Inc.
1111 Maggie Lane
Billings, MT 59101
(406) 896-1716
http://www.bison-eng.com

February 26, 2013

CERTIFICATION OF DATA INTEGRITY

Bison Engineering, Inc., certifies the data in this report is an accurate summary of the air quality conditions measured at the Black Butte Copper Project air monitoring site. Every effort was made to obtain accurate and representative data and to comply with the procedures set forth in the *Quality Assurance Project Plan*, the *State of Montana Ambient Air Monitoring Program Quality Assurance Project Plan*, the Environmental Protection Agency's *Quality Assurance Handbook for Air Pollution Measurement Systems: Volume II, Ambient Air Specific Methods (April 1994)*, and EPA's *Quality Assurance Handbook for Air Pollution Measurement Systems, Volume II, Part 1, Ambient Air Quality Monitoring Program Quality System Development (March 1998).*

Preparer: Jeffrey S. Bell

Signature: Jeffrey S Bell

Title: Senior Field Technician

Date: 1/27/13

Reviewer: Rebecca L. Picchioni, P.E.

Signature: Rebecca L Picchioni

Title: Project Engineer

Date: 2/15/13

TABLE OF CONTENTS

CERTIFICATION OF DATA INTEGRITY ii

1.0 INTRODUCTION 1

2.0 MONITORING SYSTEM OPERATIONS 3

3.0 CALIBRATION DATA 4

4.0 PERFORMANCE AUDIT DATA 5

5.0 DATA COMPLETENESS 6

6.0 MONITORING DATA 11

LIST OF TABLES

Table 1. Monthly Data Completeness 7
Table 2. Quarterly Data Completeness 10
Table 3. Missing Data Codes 12
Table 4. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 16
Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 17
Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 18
Table 7. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower 19

LIST OF FIGURES

Figure 1. Monitoring Site Location 1
Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower 17
Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower 18
Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower 19
Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower 20

APPENDICES

Appendix A: Meteorological Data

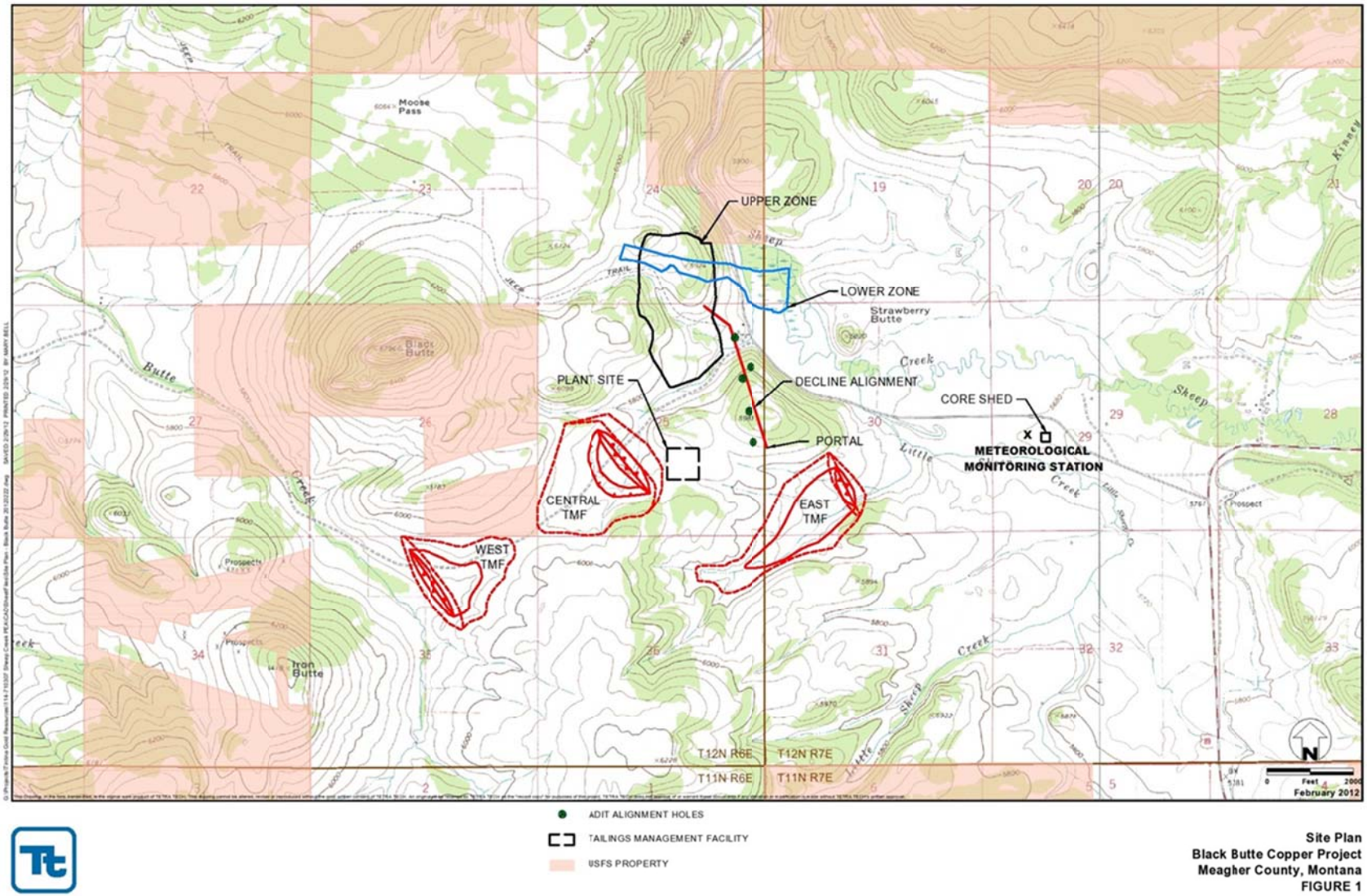
1.0 INTRODUCTION

Tintina Resources, Inc. established an ambient air monitoring site to measure wind speed, wind direction, standard deviation of wind direction, temperature at 9 meters and 2 meters, delta temperature, solar radiation, barometric pressure, and precipitation. The station was established to accurately characterize the local meteorology and collect baseline data in support of an operating permit application and various environmental studies.

The site of the meteorological monitoring system was installed in April 2012. The site is operated by Bison Engineering, Inc., of Helena and Billings. Figure 1 shows the location of the monitoring site.

This report presents the data collected during the fourth quarter (October through December) of 2012. In addition, a description of the monitoring system operations is presented, together with summaries of quality assurance activities, including calibrations and performance audits. Tabular summaries of the data completeness achieved and the periods of missing data also are presented. Appendix A presents hourly meteorological data collected.

Figure 1. Monitoring Site Location



2.0 MONITORING SYSTEM OPERATIONS

The installation of the monitoring meteorological system equipment took place in April 2012, soon after the equipment was received from the manufacturers. The installation and calibration of the equipment required about two weeks to complete. All meteorological parameters were in full operation and producing valid data by April 30, 2012.

3.0 CALIBRATION DATA

There were no calibrations performed during the fourth quarter.

Meteorological system calibration is performed:

- No later than 180 days after the most recent calibration that indicated the meteorological system response to be acceptable;
- After an interruption of more than a few days in meteorological system operation;
- Following any repairs which might affect meteorological system calibration;
- Following a physical relocation of the meteorological system; or
- After any other indication of significant inaccuracy of the meteorological system, such as failed system.

4.0 PERFORMANCE AUDIT DATA

Chris Hiltunen of Bison Engineering, Inc. (Bison) conducted performance audits of the meteorological system at the site during the fourth quarter. All of the system audits generally produced results within the recommended tolerance limits. The Bison report of the audits is presented in Appendix B.

5.0 DATA COMPLETENESS

The meteorological percentages of data recovery achieved during the fourth quarter of 2012 are given in Tables 1 and 2. In these tables, the number of possible data values during each month of the quarter is given, together with the number of valid readings and the number of hours spent on quality assurance activities (such as calibrations, performance audits, and maintenance on the sensors). The quality assurance hours are added to the number of hours of valid data to compute the net percentage data recovery.

During the fourth quarter, the net percentage data recovery was 100.0 percent for all meteorological parameters at Black Butte.

Table 1. Monthly Data Completeness

October 2012					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	744	100.0	0	100.0
Wind Direction	744	744	100.0	0	100.0
Standard Deviation	744	744	100.0	0	100.0
Temperature 9 Meters	744	744	100.0	0	100.0
Temperature 2 Meters	744	744	100.0	0	100.0
Temperature Delta T	744	744	100.0	0	100.0
Solar Radiation	744	744	100.0	0	100.0
Barometric Pressure	744	744	100.0	0	100.0
Relative Humidity	744	744	100.0	0	100.0
Precipitation	744	744	100.0	0	100.0
Total	7,440	7,440	100.0	0	100.0

Table 1. Monthly Data Completeness (Continued)

November 2012					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	720	720	100.0	0	100.0
Wind Direction	720	720	100.0	0	100.0
Standard Deviation	720	720	100.0	0	100.0
Temperature 9 Meters	720	720	100.0	0	100.0
Temperature 2 Meters	720	720	100.0	0	100.0
Temperature Delta T	720	720	100.0	0	100.0
Solar Radiation	720	720	100.0	0	100.0
Barometric Pressure	720	720	100.0	0	100.0
Relative Humidity	720	720	100.0	0	100.0
Precipitation	720	720	100.0	0	100.0
Total	7,200	7,200	100.0	0	100.0

Table 1. Monthly Data Completeness (Continued)

December 2012					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	741	99.6	3	100.0
Wind Direction	744	740	99.5	3	99.9
Standard Deviation	744	740	99.5	3	99.9
Temperature 9 Meters	744	741	99.6	3	100.0
Temperature 2 Meters	744	741	99.6	3	100.0
Temperature Delta T	744	741	99.6	3	100.0
Solar Radiation	744	741	99.6	3	100.0
Barometric Pressure	744	741	99.6	3	100.0
Relative Humidity	744	741	99.6	3	100.0
Precipitation	744	741	99.6	3	100.0
Total	7,440	7,408	99.6	30	100.0

Table 2. Quarterly Data Completeness

Fourth Quarter 2012					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	2,208	2,205	99.9	3	100.0
Wind Direction	2,208	2,204	99.8	3	100.0
Standard Deviation	2,208	2,204	99.8	3	100.0
Temperature 9 Meters	2,208	2,205	99.9	3	100.0
Temperature 2 Meters	2,208	2,205	99.9	3	100.0
Temperature Delta T	2,208	2,205	99.9	3	100.0
Solar Radiation	2,208	2,205	99.9	3	100.0
Barometric Pressure	2,208	2,205	99.9	3	100.0
Relative Humidity	2,208	2,205	99.9	3	100.0
Precipitation	2,208	2,205	99.9	3	100.0
Total	22,080	22,048	99.9	30	100.0

6.0 MONITORING DATA

The hourly data values collected at the monitoring sites are given in the data tables in Appendix A. Each of these tables presents one month's data for all parameters in the monitoring system. In addition, the average, maximum, and minimum values for each parameter for each day are listed (for wind direction, the prevailing wind direction for the day is given). For those hours with missing data, a code is given that explains the reason the data were missing. These codes are given in Table 3.

Monthly and quarterly wind rose distributions from the monitoring site are presented in Tables 4 through 7. These tables give the percentage frequency of occurrence of winds from 16 cardinal directions and from 22 wind speed ranges. These same data are presented graphically in Figures 2 through 5. In the wind rose figures, the length of each "petal" of the rose is proportional to the percentage of time the wind blew from that direction. On the bottom of each figure is a histogram showing the average wind speed from each of the cardinal wind directions.

Table 3. Missing Data Codes

Mnemonic Code	Description	Equivalent EPA Null Value Reason Code
Sc	Scheduled but not collected	9972
Ti	Sample time out of limits	9973
Fi	Filter damage	9976
Op	Voided by operator	9978
ND	Machine malfunction	9980
Wx	Bad weather	9981
Co	Collection error	9983
Lb	Lab error	9984
QA	Poor quality assurance results	9985
Pwr	Power failure	9988
Wi	Wildlife damage	9989
AZ	Automatic zero/span check	9991
ZS	Manual zero/span check	9986
Au	Performance audit	9992
Ma	Routine maintenance/repairs	9993
Ca	Multipoint calibration	9995
PZ	Precision/zero/span	9998

Table 4. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

October 2012																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.2	0.9	1.1	2.4	2.0	2.4	2.7	1.9	1.6	0.8	0.7	0.0	0.8	0.4	1.2	1.2	21.4
	1.1 - 2.0	0.8	0.1	0.9	1.3	3.9	3.8	3.8	2.3	1.1	0.4	0.5	0.9	1.3	1.1	0.5	0.4	23.3
	2.1 - 3.0	0.3	0.1	0.7	0.9	3.4	1.3	1.5	0.8	0.4	0.9	0.3	1.5	2.3	1.5	1.5	0.5	17.9
	3.1 - 4.0	0.4	0.3	0.1	0.4	1.5	0.0	0.0	0.7	0.0	0.1	0.7	1.1	2.3	1.2	1.5	0.7	10.9
	4.1 - 5.0	0.1	0.1	0.0	0.0	0.3	0.1	0.1	0.9	0.4	0.3	0.1	1.1	2.2	0.8	0.8	0.5	7.9
	5.1 - 6.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.3	0.0	0.7	2.4	0.5	0.4	0.7	6.0
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.5	0.8	2.4	1.1	0.5	0.1	5.8
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.2	0.4	0.1	0.0	2.0
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.1	0.3	0.1	0.0	1.7
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.3	0.0	0.0	1.2
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.8	0.3	0.0	0.0	1.2
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	3.1	1.6	2.8	5.1	11.0	7.7	8.1	7.7	3.5	2.8	2.8	6.7	18.4	7.8	6.7	4.2	100.0
	Average Speed	2.2	1.7	1.5	1.5	2.1	1.5	1.4	2.6	1.6	2.4	3.0	4.2	5.4	4.4	3.3	2.9	3.1

Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

November 2012																	
Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second) 0.1 - 1.0	1.1	0.8	0.8	0.7	1.8	0.7	1.8	3.2	0.8	0.4	0.0	0.1	0.3	0.3	0.8	1.1	14.9
1.1 - 2.0	0.8	0.1	1.5	1.3	3.8	4.9	7.2	2.8	1.9	0.7	0.7	0.7	0.8	0.6	1.1	0.6	29.4
2.1 - 3.0	0.0	0.0	0.3	1.1	3.8	3.1	1.4	0.8	0.6	0.6	0.0	0.7	1.8	1.1	0.8	0.1	16.1
3.1 - 4.0	0.0	0.0	0.0	0.3	1.3	0.6	0.6	1.3	0.7	0.4	0.4	0.8	1.8	1.5	0.4	0.4	10.4
4.1 - 5.0	0.0	0.0	0.0	0.3	0.0	0.3	0.4	1.3	0.6	1.0	0.3	0.4	1.9	1.0	0.7	0.0	8.1
5.1 - 6.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	1.4	0.7	0.1	0.6	0.8	3.9	1.8	0.7	0.1	10.6
6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.7	0.0	0.4	1.5	1.1	1.0	0.0	6.0
7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.1	0.1	0.1	0.7	0.0	0.1	0.0	1.8
8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.6	0.1	0.8	0.0	0.0	2.1
9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.4
10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3
11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm																	0.0
Total	1.9	1.0	2.6	3.8	10.6	9.6	11.5	11.8	6.4	4.2	2.5	4.9	12.9	8.3	5.7	2.4	100.0
Average Speed	0.9	0.9	1.3	2.2	2.0	2.1	1.7	2.9	3.5	3.9	4.5	4.6	4.6	4.7	3.6	1.9	3.1

Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

December 2012																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.8	1.9	1.9	2.7	2.8	3.6	4.5	3.5	0.5	0.8	0.1	0.1	0.3	0.5	1.5	1.3	27.9
	1.1 - 2.0	0.1	0.1	1.2	2.6	2.7	4.7	3.8	1.5	0.7	0.4	0.3	0.5	1.3	0.8	1.1	0.3	22.1
	2.1 - 3.0	0.0	0.0	0.1	0.3	1.6	2.7	0.9	0.7	0.1	0.1	0.7	1.2	1.9	1.9	0.5	0.4	13.2
	3.1 - 4.0	0.0	0.0	0.0	0.0	1.1	0.5	0.4	0.7	0.3	0.9	0.0	1.1	3.0	2.0	0.3	0.0	10.3
	4.1 - 5.0	0.0	0.0	0.0	0.0	0.5	0.4	0.0	1.2	0.8	0.4	0.8	0.8	1.5	1.1	0.1	0.0	7.7
	5.1 - 6.0	0.0	0.0	0.0	0.3	0.3	0.0	0.1	0.3	0.3	0.9	0.4	0.5	1.3	1.1	0.1	0.0	5.7
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.1	0.3	3.2	0.4	0.1	0.0	5.4
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.3	0.5	3.0	0.4	0.0	0.0	5.0
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.0	0.3	0.9	0.0	0.0	0.0	1.9
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.1	0.0	0.0	0.5
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	1.9	2.0	3.2	5.8	9.0	12.0	9.7	8.4	3.6	5.0	2.7	5.4	17.0	8.4	3.8	2.0	100.0
	Average Speed	0.7	0.6	1.0	1.3	2.0	1.7	1.4	2.3	4.1	4.4	4.2	4.2	5.2	3.7	1.9	1.1	2.8

Table 7. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower

Fourth Quarter 2012																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.4	1.2	1.3	2.0	2.2	2.3	3.0	2.9	1.0	0.7	0.3	0.1	0.5	0.4	1.2	1.2	21.5
	1.1 - 2.0	0.6	0.1	1.2	1.7	3.4	4.4	4.9	2.2	1.2	0.5	0.5	0.7	1.2	0.8	0.9	0.4	24.9
	2.1 - 3.0	0.1	0.0	0.4	0.8	2.9	2.4	1.3	0.8	0.4	0.5	0.3	1.1	2.0	1.5	1.0	0.4	15.7
	3.1 - 4.0	0.1	0.1	0.0	0.2	1.3	0.4	0.3	0.9	0.3	0.5	0.4	1.0	2.4	1.6	0.7	0.4	10.5
	4.1 - 5.0	0.0	0.0	0.0	0.1	0.3	0.3	0.2	1.1	0.6	0.5	0.4	0.8	1.9	1.0	0.5	0.2	7.9
	5.1 - 6.0	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.8	0.3	0.5	0.3	0.7	2.5	1.1	0.4	0.3	7.4
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.2	0.5	2.4	0.9	0.5	0.0	5.7
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.2	0.1	0.3	1.6	0.3	0.1	0.0	2.9
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.4	0.7	0.4	0.0	0.0	1.9
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.0	0.0	0.7
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.5
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	2.3	1.5	2.9	4.9	10.2	9.8	9.8	9.3	4.5	4.0	2.7	5.7	16.1	8.2	5.4	2.9	100.0
	Average Speed	1.4	1.1	1.3	1.6	2.0	1.8	1.5	2.6	3.2	3.7	3.9	4.3	5.1	4.3	3.1	2.2	3.0

Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower

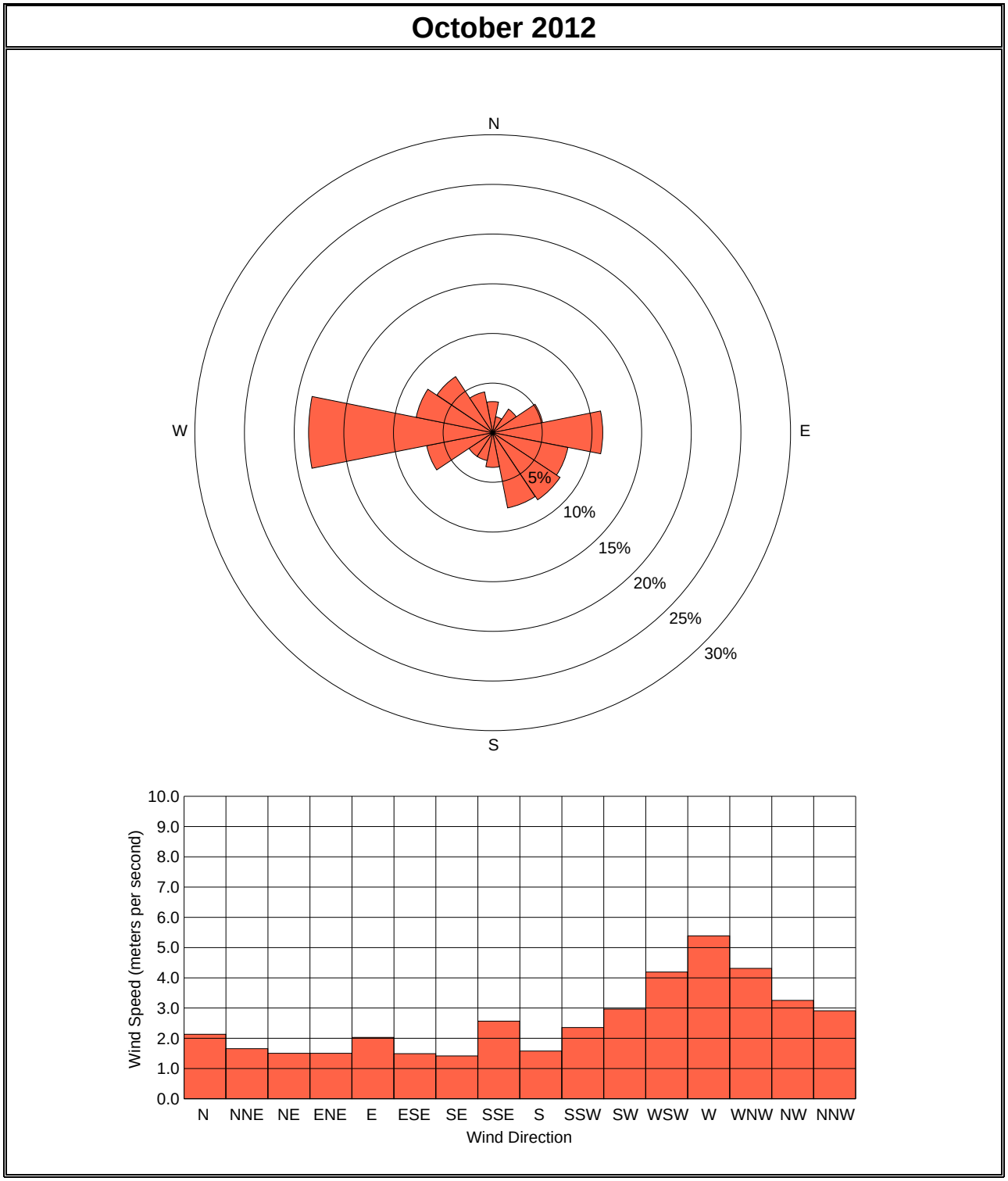


Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower

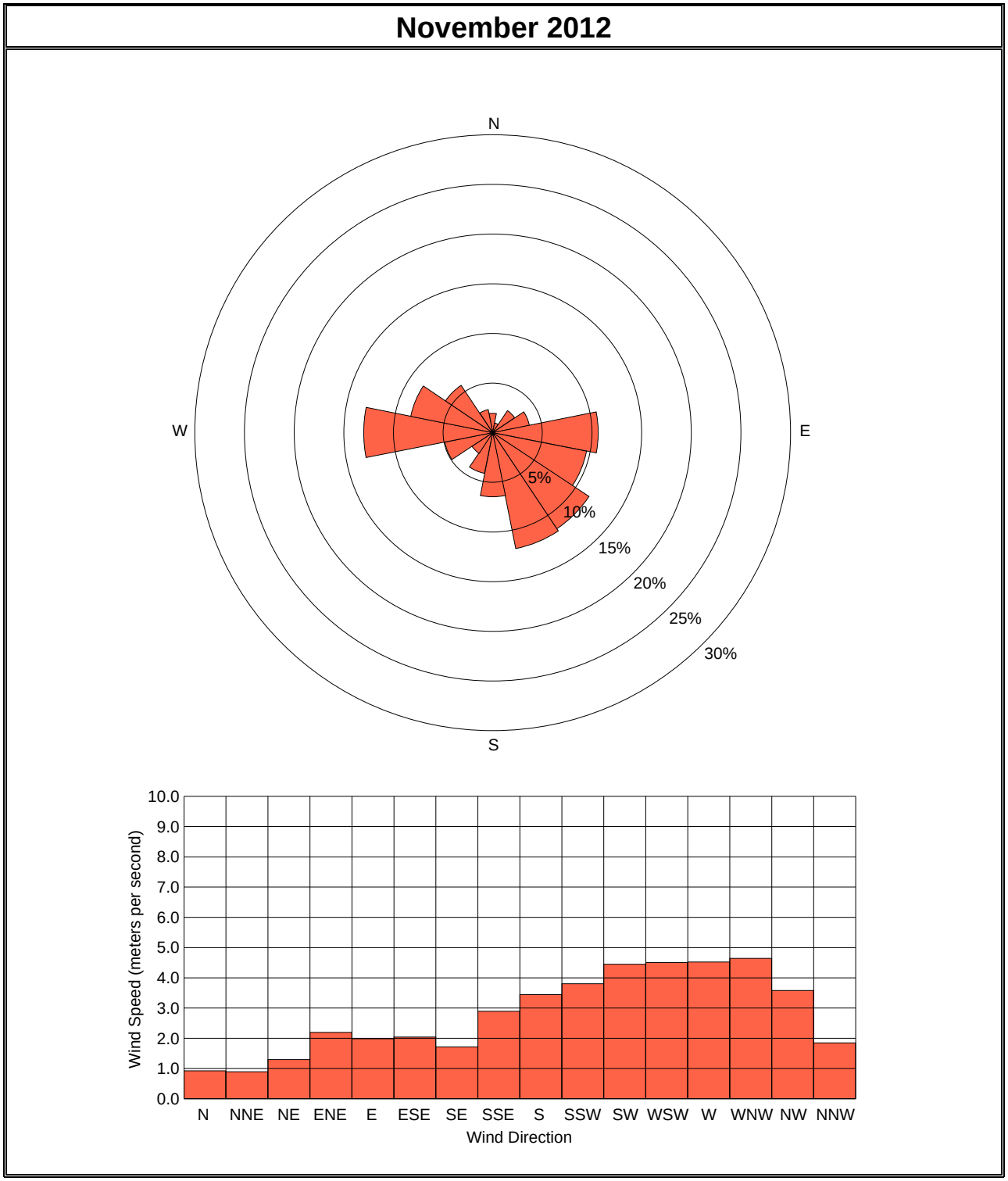


Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower

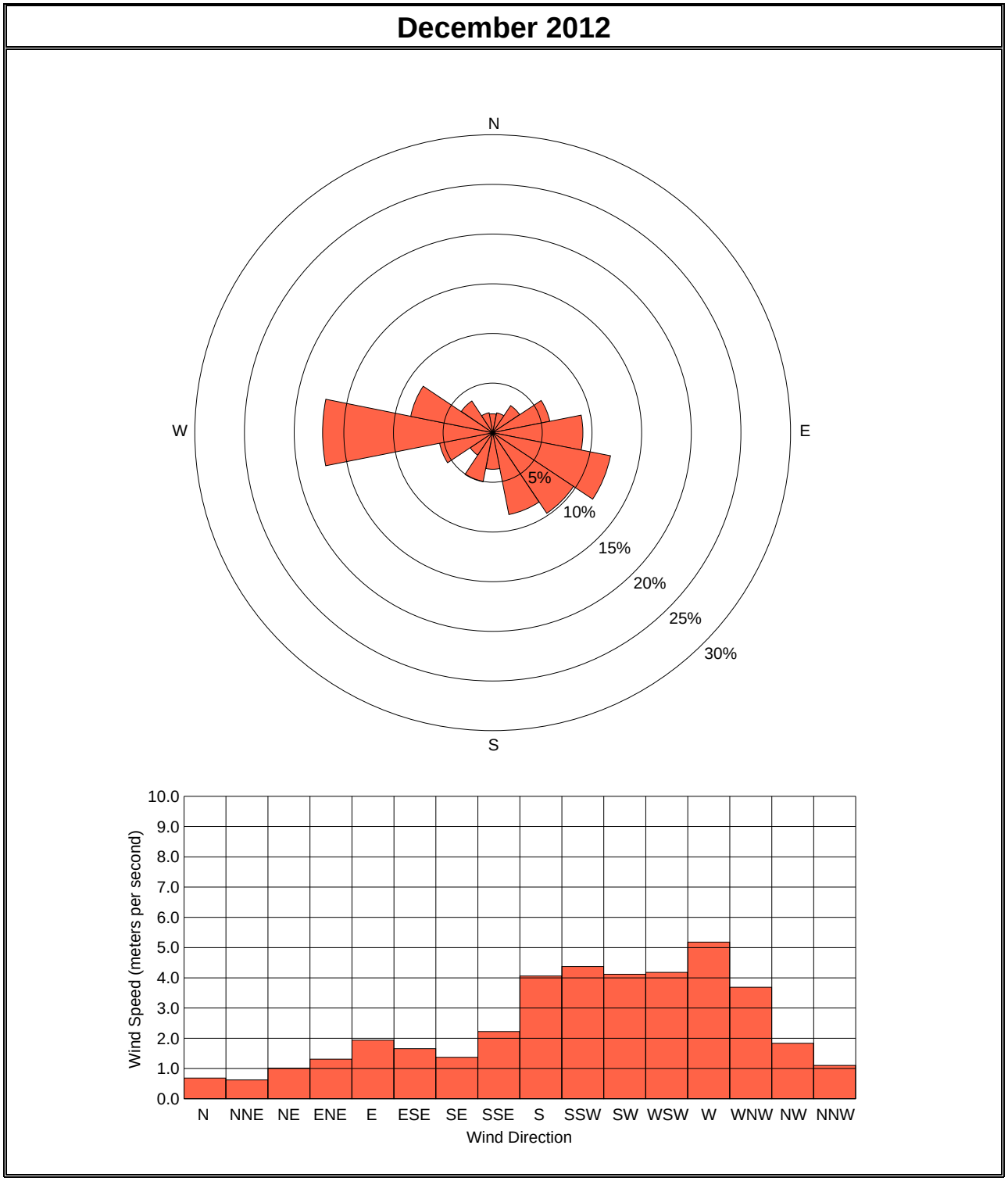
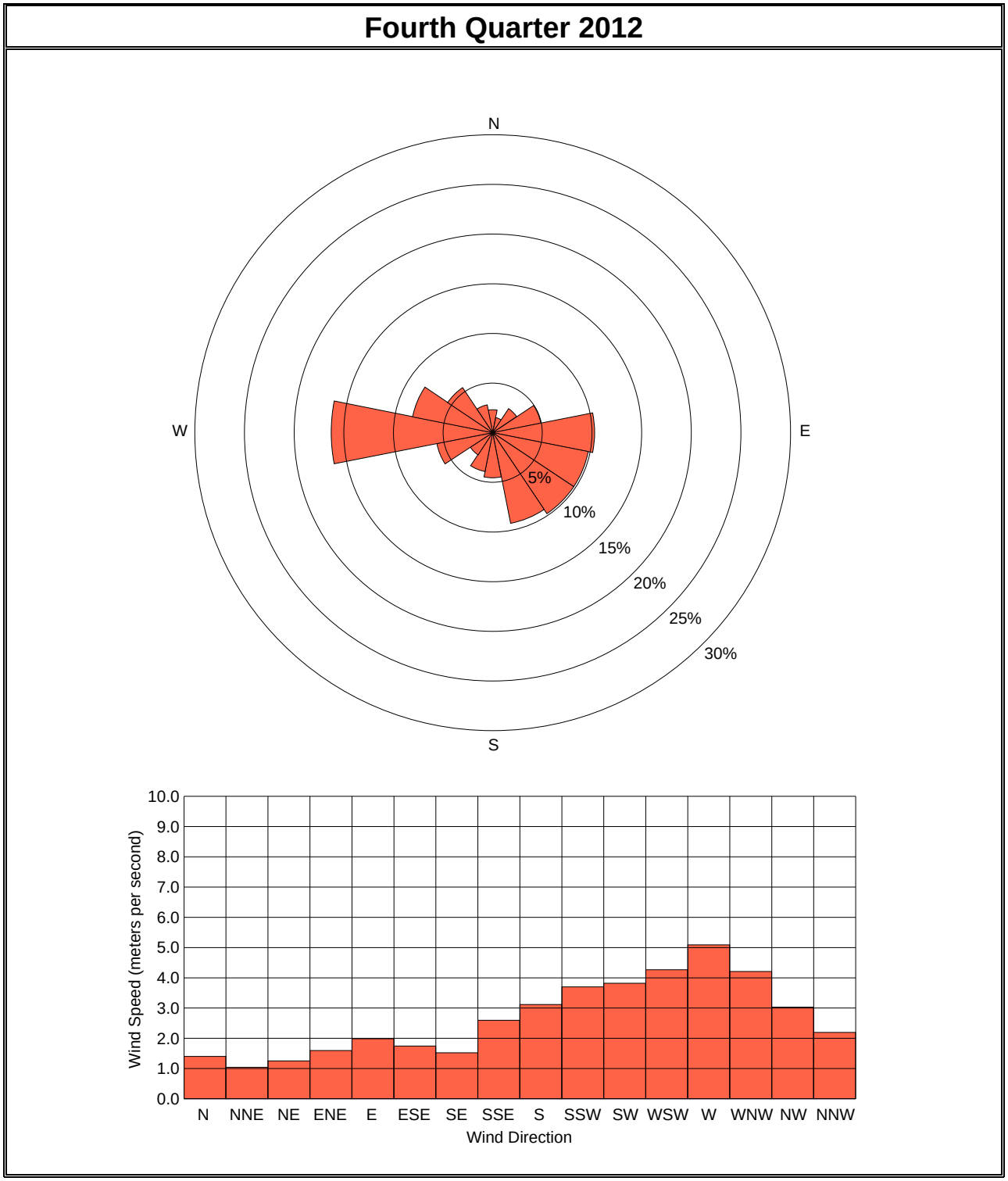


Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower



APPENDIX A: HOURLY AIR QUALITY AND METEOROLOGICAL DATA, FOURTH QUARTER 2012

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
October 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.2	0.8	0.6	1.1	0.7	1.1	1.5	0.9	0.8	2.1	4.9	6.1	6.2	6.3	7.5	8.9	7.4	6.7	2.1	1.3	1.8	2.9	3.0	3.0	3.3	8.9	0.6
2	2.4	7.4	10.2	8.3	8.3	8.0	5.8	4.6	6.3	8.0	10.7	9.1	9.7	10.8	9.9	10.6	8.1	7.0	5.0	4.2	6.5	6.5	3.0	1.3	7.2	10.8	1.3
3	2.7	5.0	4.8	5.1	5.3	5.4	5.8	4.2	3.1	3.7	3.2	4.3	6.5	7.3	5.7	3.6	4.4	3.0	2.2	2.7	2.8	3.1	2.3	2.1	4.1	7.3	2.1
4	1.8	1.5	0.9	1.1	1.0	0.8	0.7	0.7	0.9	2.6	4.3	3.9	4.4	3.6	2.6	2.1	3.0	1.0	1.5	2.0	1.9	0.8	0.8	0.6	1.9	4.4	0.6
5	1.1	1.2	0.7	0.9	0.8	0.9	0.7	0.8	1.8	2.8	2.3	3.4	2.9	4.0	4.6	5.5	5.4	3.8	1.7	1.6	2.5	3.2	3.2	2.8	2.4	5.5	0.7
6	2.2	2.1	2.0	0.7	1.2	1.6	0.9	0.6	0.7	0.8	2.1	3.1	4.1	5.0	6.3	6.3	4.7	2.9	2.2	1.5	1.3	0.7	1.4	1.5	2.3	6.3	0.6
7	1.0	1.0	1.1	1.4	0.7	0.7	1.0	0.8	0.8	1.3	3.7	5.7	6.3	5.6	6.1	6.2	5.2	3.7	2.0	3.9	3.6	2.2	1.0	0.8	2.7	6.3	0.7
8	1.0	0.5	1.0	0.7	0.6	0.7	0.9	0.9	0.9	2.2	3.0	2.0	3.4	4.6	4.0	2.7	2.7	4.0	4.0	3.9	4.1	3.7	3.1	3.7	2.4	4.6	0.5
9	2.1	2.3	2.5	1.2	0.6	1.3	0.9	1.1	0.6	0.8	1.4	3.7	4.8	5.4	5.3	4.2	3.8	1.9	2.5	3.2	2.9	2.5	1.5	0.9	2.4	5.4	0.6
10	0.9	1.2	0.7	1.1	1.1	1.1	1.1	1.0	0.8	0.9	3.3	4.1	4.3	3.6	4.2	5.3	4.7	3.2	1.8	1.8	1.7	1.8	2.5	2.2	2.3	5.3	0.7
11	2.3	2.9	2.7	1.8	2.2	3.5	6.0	5.7	6.1	5.4	6.2	5.5	4.1	2.1	1.7	2.5	2.7	2.9	2.5	1.4	1.2	0.6	0.8	1.0	3.1	6.2	0.6
12	0.8	0.8	0.9	1.0	0.6	0.9	0.6	1.0	0.6	0.9	2.5	7.1	6.9	7.3	7.1	6.7	6.8	3.9	2.6	2.1	1.9	2.2	2.8	3.7	3.0	7.3	0.6
13	2.0	1.7	1.7	1.8	1.5	1.1	1.5	1.3	0.8	3.1	5.0	5.7	9.4	8.6	8.4	9.1	8.1	5.8	3.3	4.4	5.5	2.6	2.8	2.4	4.1	9.4	0.8
14	1.8	2.4	1.9	1.5	2.7	1.9	1.4	1.2	1.3	3.7	6.3	6.4	3.9	3.1	2.7	1.4	1.6	1.9	1.2	2.0	2.6	1.2	1.0	1.9	2.4	6.4	1.0
15	1.9	4.2	3.8	2.2	1.3	1.7	1.4	1.7	3.7	2.4	2.6	3.4	5.7	5.1	5.8	6.6	6.5	4.6	2.9	1.9	1.5	1.3	1.6	1.8	3.1	6.6	1.3
16	1.3	1.6	0.9	1.8	2.5	4.7	4.4	4.8	6.4	5.2	4.5	6.6	8.8	15.6	13.7	13.2	13.0	10.6	12.1	10.8	11.0	7.2	6.6	6.7	7.3	15.6	0.9
17	5.7	6.1	6.8	5.9	5.4	5.1	5.1	6.8	6.6	7.8	9.6	9.4	10.4	10.0	9.3	8.4	6.1	5.2	5.6	4.5	4.6	2.5	1.2	1.4	6.2	10.4	1.2
18	1.6	1.9	1.2	1.4	1.1	1.3	1.0	1.1	0.8	1.0	4.4	5.3	6.8	5.5	6.0	6.8	3.6	1.5	4.1	3.6	3.4	2.4	2.3	2.0	2.9	6.8	0.8
19	1.9	2.3	2.3	0.8	1.1	1.0	1.6	2.9	3.3	4.0	6.1	6.1	4.6	8.2	10.6	7.5	6.8	6.7	5.3	5.5	4.4	3.3	3.1	2.4	4.2	10.6	0.8
20	3.1	4.0	2.5	5.1	4.0	4.9	6.0	5.7	5.8	6.4	6.3	7.5	8.5	8.2	8.0	8.9	7.8	6.5	4.8	2.9	4.1	4.2	2.6	1.3	5.4	8.9	1.3
21	1.8	0.9	1.0	1.4	0.5	0.6	0.9	0.9	0.6	0.9	1.5	2.3	2.5	1.9	2.2	2.9	4.6	4.2	1.5	1.8	2.9	4.7	2.9	2.5	2.0	4.7	0.5
22	2.3	1.2	0.7	0.9	0.6	0.6	0.6	0.7	0.7	0.9	1.1	0.7	4.5	5.5	3.6	4.2	1.9	4.8	5.5	3.8	3.4	4.2	2.7	1.0	2.3	5.5	0.6
23	3.0	1.3	1.4	0.9	1.0	1.1	0.9	0.7	0.6	1.0	2.5	3.4	2.9	3.8	3.8	3.4	4.9	3.1	2.2	2.6	2.6	1.2	0.6	0.6	2.1	4.9	0.6
24	0.7	0.7	0.5	0.6	0.9	1.2	1.1	0.5	0.4	0.4	0.6	3.1	3.1	3.7	3.4	3.2	2.5	1.8	2.5	2.4	1.4	1.0	1.5	2.3	1.6	3.7	0.4
25	2.7	1.5	2.5	2.3	2.1	1.7	0.8	1.8	2.2	1.9	2.4	3.5	4.3	4.3	4.7	4.3	4.0	2.9	1.7	0.8	0.6	0.7	0.8	0.9	2.3	4.7	0.6
26	0.8	0.9	0.8	0.8	0.7	0.7	0.9	1.0	1.0	1.7	2.8	2.3	3.1	3.4	2.1	1.5	1.0	1.5	1.5	1.2	1.4	1.1	0.9	1.0	1.4	3.4	0.7
27	0.7	0.6	0.4	0.4	0.6	0.5	1.2	1.6	1.3	0.9	0.4	0.6	0.9	0.5	0.8	0.8	2.7	2.4	1.4	1.0	0.9	1.7	1.5	1.2	1.0	2.7	0.4
28	1.9	1.5	2.1	1.8	2.5	3.0	2.7	2.7	1.0	2.3	1.9	1.9	2.9	1.9	0.7	0.9	1.2	2.0	3.1	3.0	3.1	2.0	2.0	1.0	2.0	3.1	0.7
29	1.4	1.3	1.6	1.5	1.3	1.6	1.4	1.2	1.0	2.1	1.1	2.0	6.4	6.3	3.6	2.6	3.0	2.8	3.9	1.9	1.9	3.1	2.1	3.5	2.4	6.4	1.0
30	1.7	3.1	3.4	2.1	2.0	2.1	1.8	2.1	1.2	2.7	3.7	4.6	5.4	5.1	3.0	4.1	2.7	1.8	1.1	2.8	3.1	1.8	0.7	0.9	2.6	5.4	0.7
31	0.9	1.3	1.0	2.2	1.2	1.1	0.9	0.6	0.6	0.5	2.4	4.7	4.4	3.5	2.7	1.6	3.0	4.3	3.6	1.9	1.2	0.9	1.2	2.6	2.0	4.7	0.5
Avg	1.8	2.1	2.1	1.9	1.8	2.0	2.0	2.0	2.0	2.6	3.6	4.4	5.2	5.5	5.2	5.0	4.6	3.8	3.1	2.9	3.0	2.5	2.0	2.0	3.1	6.5	0.8
Max	5.7	7.4	10.2	8.3	8.3	8.0	6.0	6.8	6.6	8.0	10.7	9.4	10.4	15.6	13.7	13.2	13.0	10.6	12.1	10.8	11.0	7.2	6.6	6.7	7.3	15.6	2.1
Min	0.7	0.5	0.4	0.4	0.5	0.5	0.6	0.5	0.4	0.4	0.4	0.6	0.9	0.5	0.7	0.8	1.0	1.0	1.1	0.8	0.6	0.6	0.6	0.6	1.0	2.7	0.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
November 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.9	1.6	2.2	2.3	1.8	1.5	1.3	1.9	1.8	1.6	3.3	5.5	5.0	5.2	5.0	3.3	2.4	3.5	3.7	5.1	5.2	4.0	3.7	2.3	3.1	5.5	1.3
2	2.6	3.1	3.7	1.5	2.3	2.3	2.6	1.3	1.0	2.3	3.6	4.3	4.4	5.2	5.1	5.9	4.5	4.0	1.8	2.1	2.2	1.9	1.5	0.8	2.9	5.9	0.8
3	0.8	1.0	1.3	1.2	1.1	0.7	0.7	0.9	0.7	0.7	0.9	3.8	5.7	6.1	4.4	2.9	1.4	2.2	2.6	2.8	1.6	5.4	6.9	5.2	2.5	6.9	0.7
4	3.0	3.5	3.6	6.3	5.3	6.3	6.1	6.0	5.7	5.7	5.5	6.0	7.1	6.9	7.9	7.3	5.1	4.1	3.8	4.5	2.8	1.4	1.3	1.5	4.9	7.9	1.3
5	1.3	1.7	1.7	2.2	1.3	1.1	2.0	1.9	3.1	6.7	5.8	5.5	5.8	8.2	8.8	7.7	5.8	4.9	8.5	10.5	8.4	5.0	3.7	1.8	4.7	10.5	1.1
6	2.9	3.4	2.4	2.1	2.4	2.1	2.0	1.5	1.0	0.7	0.9	0.8	0.7	1.8	2.3	2.4	2.6	3.5	3.0	2.4	1.9	1.0	0.9	1.3	1.9	3.5	0.7
7	1.1	2.3	2.7	4.8	3.4	3.8	5.2	3.2	2.4	4.5	7.3	8.5	8.5	8.5	8.4	8.2	8.3	6.5	5.0	6.7	3.4	2.1	2.2	1.8	5.0	8.5	1.1
8	1.8	1.5	1.2	0.8	0.9	1.2	4.0	1.8	1.8	0.9	1.6	1.3	2.3	4.8	5.2	5.3	5.8	6.4	7.3	6.4	6.1	3.5	2.8	2.3	3.2	7.3	0.8
9	3.9	2.0	1.9	2.2	1.3	1.5	2.1	3.3	3.7	3.2	2.7	3.5	6.0	5.3	5.5	5.1	5.0	3.6	4.0	7.0	7.2	7.0	5.9	6.3	4.1	7.2	1.3
10	5.1	5.4	5.5	6.1	6.2	6.3	6.0	4.8	4.0	2.7	4.7	6.5	5.9	5.1	4.9	3.2	2.9	1.1	0.6	0.5	0.3	0.4	1.5	1.5	3.8	6.5	0.3
11	0.7	0.8	0.8	0.9	0.6	0.6	1.1	1.0	0.9	1.1	2.3	7.0	7.2	6.4	5.3	3.9	2.7	1.2	1.5	1.5	1.5	2.2	2.3	1.6	2.3	7.2	0.6
12	2.0	1.6	1.5	1.6	1.0	0.9	1.3	1.0	0.9	1.2	1.0	1.5	1.2	2.7	0.9	1.2	1.1	1.1	1.2	1.6	1.5	0.8	1.7	2.9	1.4	2.9	0.8
13	2.0	1.4	1.5	0.9	1.2	1.0	2.4	2.0	4.8	5.8	4.2	3.8	2.0	2.7	2.1	1.3	1.8	1.4	1.5	1.3	1.7	1.1	1.0	1.1	2.1	5.8	0.9
14	1.0	0.6	0.8	0.8	0.8	0.7	0.9	1.0	1.2	1.7	1.0	1.6	6.0	5.7	5.2	4.7	4.7	3.5	1.4	1.2	2.0	2.0	1.6	0.8	2.1	6.0	0.6
15	0.9	0.7	0.8	0.9	0.8	0.9	0.7	0.6	0.6	0.4	0.5	2.1	4.8	5.0	5.0	4.4	3.7	3.3	1.4	2.0	2.3	2.4	1.0	0.9	1.9	5.0	0.4
16	1.1	1.1	1.4	1.2	1.4	1.4	2.1	1.6	1.9	1.3	0.9	0.9	1.2	2.0	1.5	2.5	2.3	2.9	3.5	2.3	1.8	1.4	1.5	1.4	1.7	3.5	0.9
17	1.9	1.4	1.7	1.5	1.4	1.6	0.7	1.2	0.9	0.7	1.0	3.6	4.0	4.9	5.0	5.5	4.1	2.7	3.2	1.6	2.0	2.6	2.8	2.5	2.4	5.5	0.7
18	1.5	1.9	2.2	5.4	3.0	3.8	5.0	4.4	6.8	4.8	8.1	9.3	6.7	3.6	5.6	4.2	2.4	1.9	2.0	1.6	1.8	1.5	1.4	1.1	3.8	9.3	1.1
19	0.9	1.0	1.5	1.8	1.9	5.6	6.1	4.6	6.7	5.3	4.7	7.5	5.8	5.5	6.4	6.6	5.0	6.2	2.2	8.5	7.8	7.6	4.0	3.3	4.9	8.5	0.9
20	2.9	2.2	4.7	9.5	5.2	3.3	4.4	5.8	5.8	7.0	6.6	9.8	10.1	8.1	5.7	5.8	6.6	5.1	4.1	3.2	2.5	1.4	1.4	1.4	5.1	10.1	1.4
21	1.6	1.1	2.5	3.2	2.3	5.5	6.1	6.8	4.3	2.0	2.4	2.3	2.1	1.8	2.0	4.5	2.6	2.1	5.6	5.3	6.1	5.7	4.7	4.4	3.6	6.8	1.1
22	2.7	2.6	5.5	5.0	5.8	5.5	5.5	6.2	6.3	7.6	6.8	6.1	6.0	6.3	5.6	5.3	3.9	2.4	2.1	3.1	2.9	2.6	2.0	1.7	4.6	7.6	1.7
23	0.9	1.1	1.5	1.7	2.1	2.7	4.3	4.9	2.9	2.8	3.1	2.9	2.3	1.6	1.8	1.8	3.9	3.4	3.9	3.7	2.4	2.0	2.7	3.1	2.6	4.9	0.9
24	4.0	5.1	4.8	4.9	3.9	3.1	2.1	2.6	4.2	5.1	5.2	5.1	6.3	5.9	8.8	8.7	6.7	2.6	3.3	4.2	3.4	2.4	1.6	3.7	4.5	8.8	1.6
25	3.7	3.1	0.7	1.8	1.7	1.3	1.1	2.5	2.0	4.0	4.8	5.1	5.4	5.1	4.4	3.4	1.7	2.3	3.8	1.7	1.2	1.1	0.9	1.1	2.7	5.4	0.7
26	0.7	0.9	0.9	0.9	1.1	0.9	0.7	0.7	0.6	0.5	0.4	0.7	1.0	1.4	0.7	0.9	1.9	1.8	2.1	1.7	2.3	1.9	1.5	1.1	1.1	2.3	0.4
27	1.2	0.8	0.8	0.5	0.8	0.9	0.8	0.7	1.1	0.7	0.7	0.8	1.0	2.0	1.1	1.4	2.9	2.9	1.8	1.7	1.5	1.0	1.3	1.4	1.2	2.9	0.5
28	1.1	0.9	1.2	1.2	1.2	1.6	1.2	2.0	1.5	1.2	1.3	1.1	0.8	1.1	1.5	2.6	3.6	3.0	1.6	1.8	1.7	1.5	2.3	1.8	1.6	3.6	0.8
29	1.7	1.2	2.4	2.2	2.3	2.5	1.3	0.9	1.1	0.9	1.5	1.3	1.8	3.5	4.1	5.1	2.6	4.5	2.8	2.7	1.4	3.6	2.5	2.0	2.3	5.1	0.9
30	2.2	3.2	2.3	6.9	4.2	4.1	6.1	4.7	5.9	3.2	3.2	5.1	7.9	4.3	2.8	2.0	3.1	2.2	2.2	1.6	1.4	1.4	1.1	0.2	3.4	7.9	0.2
Avg	2.0	1.9	2.2	2.7	2.3	2.5	2.9	2.7	2.9	2.9	3.2	4.1	4.5	4.6	4.4	4.2	3.7	3.2	3.0	3.3	2.9	2.6	2.3	2.1	3.1	6.3	0.9
Max	5.1	5.4	5.5	9.5	6.2	6.3	6.1	6.8	6.8	7.6	8.1	9.8	10.1	8.5	8.8	8.7	8.3	6.5	8.5	10.5	8.4	7.6	6.9	6.3	5.1	10.5	1.7
Min	0.7	0.6	0.7	0.5	0.6	0.6	0.7	0.6	0.6	0.4	0.4	0.7	0.7	1.1	0.7	0.9	1.1	1.1	0.6	0.5	0.3	0.4	0.9	0.2	1.1	2.3	0.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
December 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.1	2.0	4.9	4.0	3.9	4.1	4.7	5.2	6.2	7.2	5.4	2.9	2.5	1.4	1.7	1.2	1.5	2.6	7.2	0.2
2	2.9	4.8	5.2	6.1	6.1	6.3	8.0	6.8	8.4	8.2	6.5	7.3	8.6	9.2	8.7	7.8	7.6	6.7	6.8	7.2	7.7	9.2	7.9	7.4	7.1	9.2	2.9
3	8.7	4.6	5.1	8.6	5.4	5.1	5.4	2.8	3.1	3.6	4.6	6.0	5.9	6.5	7.9	7.7	7.3	6.6	4.0	4.2	2.5	4.0	2.3	1.8	5.2	8.7	1.8
4	2.0	1.9	2.8	2.5	3.1	3.8	3.8	2.6	4.9	3.7	4.2	3.0	4.1	4.5	5.2	4.0	3.9	6.6	7.3	5.1	1.9	2.3	4.8	4.7	3.9	7.3	1.9
5	5.5	5.5	6.5	7.2	5.2	2.6	4.4	7.9	7.5	8.5	7.9	7.6	8.4	11.5	9.5	8.0	10.2	9.6	5.5	4.1	4.7	5.3	3.1	4.3	6.7	11.5	2.6
6	3.3	3.5	3.2	1.3	1.3	1.1	2.4	3.3	3.0	3.6	4.4	4.4	3.8	4.5	4.4	4.3	2.5	1.3	1.4	0.8	0.4	0.5	1.0	1.1	2.5	4.5	0.4
7	0.9	0.8	1.9	1.4	0.8	1.7	5.1	5.9	6.3	6.1	6.3	7.6	8.1	6.7	4.3	5.2	3.4	2.9	5.3	4.4	7.0	2.8	1.7	4.7	4.2	8.1	0.8
8	6.8	5.0	6.7	7.0	8.0	5.8	8.0	7.7	6.9	4.4	5.2	6.3	6.5	6.3	5.1	3.1	1.9	0.9	1.6	1.2	0.8	0.7	0.6	0.6	4.5	8.0	0.6
9	0.7	0.2	0.5	0.5	0.5	0.7	0.6	0.7	0.8	0.7	0.7	1.1	4.0	2.6	4.5	3.8	3.6	6.0	6.2	4.9	3.6	4.8	2.4	2.8	2.4	6.2	0.2
10	3.6	3.1	2.4	1.2	1.1	1.7	0.7	0.7	2.5	4.7	4.9	4.4	5.1	5.5	6.2	5.9	5.5	3.4	3.1	1.8	1.9	1.3	0.9	1.0	3.0	6.2	0.7
11	0.4	0.5	0.5	0.9	1.1	1.5	1.9	1.8	5.6	3.4	2.0	1.9	1.7	2.8	3.5	4.5	3.1	3.7	2.9	3.2	1.9	1.5	1.6	1.9	2.2	5.6	0.4
12	1.7	1.0	0.9	1.2	1.1	0.8	0.7	0.5	0.7	0.5	0.5	0.4	0.7	2.4	2.6	2.4	3.0	1.1	0.8	1.0	1.2	1.1	1.1	1.2	1.2	3.0	0.4
13	1.3	0.8	0.9	0.9	0.7	1.6	1.7	1.5	1.5	1.2	2.0	3.7	2.9	4.1	3.5	2.6	0.9	2.3	1.5	1.4	0.8	0.6	0.8	0.4	1.6	4.1	0.4
14	0.5	0.5	0.8	0.5	0.4	0.4	0.5	0.6	0.5	0.4	0.4	0.4	1.0	0.8	1.2	0.9	0.9	0.8	0.5	0.8	1.3	1.4	1.3	1.5	0.8	1.5	0.4
15	1.3	1.0	1.2	0.9	0.7	0.6	0.7	0.5	0.6	0.8	0.6	0.9	5.0	3.9	2.8	3.0	1.7	1.1	1.5	0.8	0.8	0.7	0.6	0.3	1.3	5.0	0.3
16	0.5	0.5	0.4	0.7	0.9	0.8	0.8	1.1	1.3	1.0	3.1	6.6	8.2	7.1	7.9	5.7	1.5	2.1	2.2	1.9	1.6	1.2	2.5	1.9	2.6	8.2	0.4
17	2.0	4.3	4.2	3.6	4.5	2.9	2.6	2.2	2.0	2.1	2.1	3.5	2.6	1.5	3.2	5.2	6.7	7.8	8.3	6.8	7.3	6.9	5.7	7.6	4.4	8.3	1.5
18	8.5	7.8	7.7	7.0	6.6	6.9	6.1	7.4	6.7	6.3	7.2	7.9	8.1	8.4	7.5	7.2	6.0	3.3	3.7	3.2	1.6	2.2	2.2	2.0	5.9	8.5	1.6
19	1.8	1.1	0.8	0.9	0.6	0.6	0.7	0.8	0.6	0.8	0.7	1.0	5.5	6.6	4.6	3.5	2.7	1.8	2.1	2.8	1.9	1.9	1.9	1.9	2.0	6.6	0.6
20	2.2	2.9	2.9	2.5	3.5	5.0	4.0	4.4	4.9	5.4	3.5	4.8	6.3	Au	Au	Au	4.4	2.2	2.6	3.2	1.7	3.0	3.5	5.1	3.7	6.3	1.7
21	5.3	5.0	5.2	4.1	3.0	2.4	2.6	5.4	3.2	2.1	2.8	4.5	3.9	3.1	5.1	4.4	3.0	1.7	2.0	2.5	1.8	1.4	1.6	2.6	3.3	5.4	1.4
22	3.5	3.4	2.1	2.5	1.6	1.4	1.3	1.1	0.9	1.1	0.7	1.4	1.4	2.0	1.4	1.0	1.9	3.1	4.2	2.2	1.5	2.0	2.3	1.6	1.9	4.2	0.7
23	1.5	1.5	4.8	6.7	2.8	2.7	2.6	1.0	1.7	1.9	1.5	2.5	3.6	3.0	4.4	3.1	2.1	3.6	4.3	2.9	1.4	0.7	1.2	1.2	2.6	6.7	0.7
24	4.0	3.2	2.4	4.5	4.3	4.0	2.7	3.5	3.3	2.6	3.2	3.2	3.4	2.8	3.2	2.1	2.4	2.2	1.3	0.8	0.4	0.7	0.8	0.9	2.6	4.5	0.4
25	1.1	0.7	0.7	0.7	0.6	0.5	0.4	0.5	0.5	0.6	0.5	0.5	0.6	0.7	1.0	2.2	2.1	2.0	1.5	1.8	1.0	1.7	1.3	1.8	1.0	2.2	0.4
26	1.3	1.2	1.4	0.9	1.0	0.8	1.1	1.4	1.4	1.1	1.6	2.5	1.6	0.8	1.4	2.2	1.3	0.8	1.5	1.7	0.8	0.6	0.4	0.8	1.2	2.5	0.4
27	0.6	0.6	0.7	0.6	0.5	0.5	0.4	0.8	1.5	0.7	0.8	0.9	1.4	1.8	2.6	1.9	1.4	0.8	1.3	1.4	1.0	0.6	0.8	1.1	1.0	2.6	0.4
28	0.5	0.6	0.8	4.0	4.0	5.0	5.9	5.2	0.8	1.6	1.2	3.8	7.3	7.4	6.2	4.3	2.3	1.3	2.6	2.8	1.6	1.1	1.2	1.0	3.0	7.4	0.5
29	1.0	0.7	0.6	0.7	0.7	0.7	1.0	1.0	1.0	0.9	0.5	0.5	0.7	0.7	0.9	1.4	1.2	2.4	2.0	1.4	1.1	1.3	1.2	0.8	1.0	2.4	0.5
30	0.8	0.6	0.7	0.7	0.6	0.6	0.3	0.8	0.5	0.4	0.6	2.6	2.5	3.6	3.3	3.1	2.7	2.2	1.5	1.7	1.5	0.7	0.7	0.9	1.4	3.6	0.3
31	0.6	0.5	0.7	0.7	0.8	0.7	0.8	1.1	1.0	0.6	1.0	1.0	2.7	3.7	3.5	2.5	2.2	1.3	1.0	1.4	2.2	2.3	1.4	1.2	1.5	3.7	0.5
Avg	2.4	2.2	2.4	2.6	2.3	2.2	2.5	2.6	2.8	2.7	2.7	3.4	4.2	4.3	4.4	4.0	3.4	3.1	3.0	2.6	2.1	2.1	1.9	2.2	2.8	5.8	0.8
Max	8.7	7.8	7.7	8.6	8.0	6.9	8.0	7.9	8.4	8.5	7.9	7.9	8.6	11.5	9.5	8.0	10.2	9.6	8.3	7.2	7.7	9.2	7.9	7.6	7.1	11.5	2.9
Min	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.4	0.4	0.4	0.6	0.7	0.9	0.9	0.9	0.8	0.5	0.8	0.4	0.5	0.4	0.3	0.8	1.5	0.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
October 2012

	<< Hour >>																							
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	147	162	61	80	77	94	126	106	352	319	264	256	246	256	263	258	259	283	211	178	135	100	82	92	165
2	300	285	288	276	268	269	286	271	291	275	259	267	276	277	268	276	292	308	291	279	293	307	170	248	278
3	271	329	308	330	348	346	346	340	326	313	311	329	330	324	333	329	309	307	302	324	359	12	330	310	326
4	144	164	99	22	235	116	20	169	42	171	169	193	287	352	331	48	51	44	300	357	7	340	310	277	18
5	227	287	316	318	187	212	188	159	301	359	42	25	340	342	20	11	350	5	11	115	103	89	77	72	12
6	100	94	100	80	67	144	101	126	281	64	315	266	274	280	288	321	311	295	268	333	102	169	65	104	41
7	144	81	61	119	192	337	13	49	92	74	280	281	267	280	288	281	275	271	145	83	82	63	58	42	39
8	75	57	139	276	124	154	105	70	69	330	321	321	320	330	307	290	249	272	349	319	323	330	259	260	324
9	294	299	297	186	318	276	60	282	85	147	281	271	271	285	280	273	277	245	103	85	88	82	148	76	280
10	116	134	91	122	144	169	170	168	338	355	288	275	269	321	306	312	7	328	291	345	6	74	323	288	326
11	249	252	264	270	292	164	154	155	158	158	161	168	163	145	153	142	155	159	144	160	163	141	131	159	169
12	143	146	160	149	104	106	155	133	342	357	315	254	268	262	264	254	267	265	272	269	265	140	106	90	213
13	83	89	88	82	82	39	98	45	321	296	272	252	261	267	267	271	270	272	302	292	279	242	277	68	302
14	1	47	64	89	79	112	109	129	86	266	275	257	234	218	206	175	101	101	129	59	69	93	181	109	114
15	250	261	261	164	137	102	220	196	268	214	239	248	258	273	277	266	243	255	246	157	141	135	118	127	219
16	140	123	86	52	113	160	196	184	271	267	248	260	257	276	273	277	277	272	280	280	279	275	271	274	253
17	283	286	284	282	280	275	272	275	275	273	276	278	286	293	288	313	318	322	313	288	300	317	318	317	292
18	281	165	115	105	51	80	61	75	335	10	271	253	269	277	277	263	270	286	87	68	71	87	120	139	51
19	150	139	146	334	81	348	185	89	96	218	222	226	248	259	251	250	265	270	257	260	248	253	243	245	234
20	258	281	280	267	262	246	267	252	266	270	272	279	279	281	283	283	291	287	289	274	280	273	326	97	276
21	90	26	41	140	118	97	135	218	324	117	332	125	205	201	209	166	146	121	40	115	100	154	133	151	128
22	137	127	139	118	99	93	119	108	161	26	134	168	177	162	160	165	206	165	148	155	167	258	273	283	151
23	251	353	299	309	38	123	59	289	4	210	263	282	309	323	312	312	308	297	263	279	300	248	280	269	297
24	140	133	216	155	79	118	171	308	14	70	356	288	282	283	316	289	257	266	271	270	281	326	266	65	282
25	85	104	86	83	87	92	108	303	267	265	279	265	261	276	257	254	256	297	258	335	343	103	76	230	282
26	178	178	153	189	267	212	104	142	28	166	149	195	253	242	239	243	285	109	117	137	127	140	129	146	171
27	91	174	200	145	122	180	105	94	83	59	350	2	45	75	57	48	82	70	122	126	98	118	99	138	97
28	132	129	136	108	89	87	81	99	113	89	81	88	85	38	5	71	244	153	94	107	55	85	59	136	95
29	94	108	69	125	151	122	136	149	104	103	166	233	230	229	225	208	74	246	254	170	159	96	35	271	153
30	274	335	94	20	116	126	92	102	91	272	226	228	213	211	212	211	232	232	307	82	96	91	232	138	175
31	31	128	123	82	48	132	158	197	173	93	115	154	157	165	182	121	97	90	100	114	148	173	163	116	129
Prev	152	128	110	106	101	127	123	143	2	316	270	255	262	273	273	270	276	277	272	92	74	108	120	139	233

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
November 2012

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	113	101	123	98	56	90	55	90	22	72	195	222	204	222	259	248	279	189	165	292	293	283	270	299	194
2	281	296	240	267	295	291	314	351	340	273	278	260	271	256	267	264	269	261	280	130	107	98	103	86	279
3	89	66	94	107	134	154	126	168	355	7	22	271	260	260	268	268	247	79	70	62	131	277	280	279	99
4	308	296	299	292	296	288	286	291	290	283	285	284	278	261	253	260	271	266	266	272	262	225	176	149	273
5	140	106	111	70	88	288	125	107	235	268	272	259	241	250	258	262	268	273	282	282	290	308	312	331	266
6	84	72	91	76	109	69	71	38	100	353	303	12	338	85	84	91	98	114	115	111	129	181	147	153	88
7	71	51	63	217	90	163	217	158	99	199	226	224	226	251	292	300	293	273	283	296	297	274	288	314	256
8	324	321	162	128	165	149	112	195	120	105	116	143	146	159	166	166	163	160	155	159	163	174	147	149	151
9	150	175	185	176	250	277	275	259	255	257	249	291	268	267	262	276	312	328	323	316	321	323	326	326	275
10	324	329	326	325	319	318	311	312	285	288	258	254	258	254	254	276	269	181	320	159	49	359	317	301	296
11	331	142	103	84	63	96	150	147	37	2	327	288	270	254	267	280	267	222	113	131	131	116	112	117	123
12	130	132	122	142	164	158	120	90	94	252	39	45	115	158	165	115	179	273	80	193	114	94	188	207	136
13	78	137	165	74	36	248	306	306	297	285	273	289	232	243	197	185	207	108	4	128	98	110	191	60	196
14	310	304	113	99	164	359	99	124	111	159	346	279	273	267	252	270	268	266	178	215	87	121	137	166	195
15	159	158	153	187	138	154	164	128	143	203	342	156	152	165	166	152	146	157	138	110	128	123	212	180	155
16	157	158	131	130	72	50	71	86	89	178	3	263	89	148	98	97	121	117	87	103	95	136	162	141	113
17	151	156	156	144	155	140	333	143	170	147	58	147	162	187	166	164	135	102	103	103	78	102	112	110	135
18	107	95	181	164	142	151	176	202	269	280	255	250	271	327	276	306	292	183	146	142	137	149	126	145	188
19	91	31	195	122	173	164	173	177	170	151	152	168	151	163	197	209	199	197	108	202	157	151	130	147	161
20	97	148	216	226	162	171	129	144	121	179	156	191	187	189	174	179	181	178	161	132	200	243	132	52	167
21	171	77	86	126	175	190	180	245	276	256	261	86	82	147	143	285	270	262	268	264	272	291	294	264	229
22	264	248	250	251	270	265	267	272	272	279	284	280	277	284	288	268	259	244	134	89	79	91	78	126	263
23	168	114	134	140	125	127	109	103	126	111	93	94	108	120	112	315	245	259	84	80	99	122	67	111	115
24	89	78	70	75	77	83	48	314	297	280	285	277	289	275	278	283	310	294	293	289	284	285	208	267	303
25	259	257	265	42	34	88	39	320	320	331	319	289	274	308	293	311	289	307	301	331	291	347	155	155	311
26	310	109	148	83	88	142	135	147	153	30	302	341	338	4	48	66	91	82	90	93	79	110	130	127	88
27	137	160	139	26	100	313	32	51	146	194	359	319	45	330	358	88	95	90	89	114	132	140	129	146	92
28	137	144	125	135	137	128	100	123	136	109	83	310	354	138	150	93	91	104	122	121	126	135	120	138	120
29	130	226	133	95	94	93	123	120	1	124	89	51	269	225	206	218	206	195	154	90	102	185	118	170	141
30	247	192	124	207	188	139	195	165	181	181	208	197	198	194	180	160	218	100	114	132	92	177	138	182	173
Prev	129	128	141	123	123	143	120	142	147	232	297	263	243	227	223	240	235	199	123	134	116	151	150	152	168

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
December 2012

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	138	114	46	100	260	117	62	126	182	198	167	174	196	207	204	211	237	289	298	246	94	115	156	124	166
2	139	181	180	152	148	170	185	184	190	196	196	191	187	200	205	210	278	277	280	268	263	259	260	272	210
3	277	263	256	243	213	203	218	214	195	213	226	227	247	250	257	257	266	283	257	273	258	275	248	135	242
4	93	109	98	113	107	87	84	158	167	144	147	109	177	179	195	171	201	174	155	159	141	104	190	188	144
5	183	200	195	199	208	229	238	218	215	211	206	258	271	276	262	281	278	286	293	289	276	288	294	297	249
6	305	291	286	260	264	53	269	272	251	260	256	241	259	271	271	282	337	75	86	31	57	84	296	287	288
7	76	64	75	122	71	264	261	270	266	277	271	265	270	273	249	231	198	190	202	220	225	221	65	252	239
8	256	261	261	266	265	268	283	292	312	304	306	283	281	285	287	268	280	166	126	106	60	79	117	42	280
9	130	44	104	61	191	140	117	154	145	40	168	354	266	211	218	241	279	278	267	266	271	287	339	299	230
10	292	321	342	56	53	56	9	13	321	303	294	292	301	288	279	272	273	277	296	66	116	90	59	92	336
11	253	132	78	126	21	255	305	323	276	296	302	268	192	232	203	224	244	259	283	284	49	133	253	203	254
12	78	74	1	104	153	117	80	90	142	333	139	32	319	305	287	262	276	259	163	142	65	122	178	112	105
13	144	141	199	138	212	294	269	162	173	116	255	248	277	261	301	283	320	101	109	96	76	87	97	20	176
14	105	54	117	39	26	75	17	82	143	344	Wx	2	156	342	300	199	229	320	324	118	123	121	116	81	70
15	58	43	88	24	58	118	151	126	333	99	154	43	260	257	277	249	189	140	136	156	129	153	148	157	128
16	137	158	94	141	113	72	19	150	314	143	273	267	259	266	283	287	242	111	115	95	81	96	88	112	127
17	128	159	149	143	149	102	112	147	122	104	148	195	248	78	246	253	267	279	274	260	270	270	258	264	195
18	266	274	276	269	273	273	272	272	274	268	265	263	263	258	263	267	273	278	262	299	46	47	103	82	275
19	73	49	51	70	102	17	114	134	115	140	359	98	265	270	234	243	224	114	84	114	121	124	147	129	111
20	119	114	104	109	109	90	105	96	117	126	148	166	152	Au	Au	Au	185	98	88	92	131	91	85	90	114
21	78	86	90	106	117	117	113	77	99	100	120	121	112	141	150	150	151	83	111	64	69	128	115	109	109
22	87	97	94	96	83	103	113	121	100	131	92	64	62	122	107	113	130	154	163	143	119	98	130	129	110
23	147	214	255	261	288	272	251	192	77	108	55	265	254	262	232	213	127	97	93	114	132	127	203	163	189
24	160	159	168	165	286	283	274	284	294	285	294	281	287	278	267	267	286	274	269	275	78	305	151	213	262
25	141	26	330	125	150	327	117	168	132	3	22	346	6	314	40	145	129	131	139	132	147	127	160	145	109
26	146	149	149	139	149	164	117	116	119	118	126	133	129	360	329	300	313	330	76	79	93	123	185	145	123
27	128	98	119	68	135	118	44	327	263	287	64	7	310	288	297	296	323	145	113	148	118	87	109	98	82
28	34	115	43	293	277	276	274	296	108	88	80	261	259	265	265	267	238	127	94	91	103	76	113	126	122
29	164	137	178	155	165	161	136	133	135	138	161	6	286	10	306	222	66	73	45	67	71	324	88	9	112
30	79	326	100	101	5	57	31	119	297	195	318	295	298	273	275	272	256	302	122	90	105	75	82	117	30
31	33	317	122	151	16	111	149	178	180	162	36	326	298	275	277	264	268	310	343	345	306	312	273	61	307
Prev	120	112	112	124	142	123	122	159	176	165	189	278	258	267	261	246	251	217	137	120	101	105	140	125	174

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
October 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	29	68	84	29	67	38	22	51	66	79	17	15	15	18	12	13	16	11	46	59	62	36	23	26	38	84	11
2	74	11	9	10	13	10	14	14	26	16	16	15	16	13	14	12	13	10	10	12	9	10	68	86	21	86	9
3	48	13	23	48	22	17	13	12	10	10	14	22	17	10	17	26	25	12	32	68	25	13	25	20	23	68	10
4	45	15	65	47	75	35	91	66	73	49	14	26	56	23	28	49	19	54	47	26	18	46	37	54	44	91	14
5	25	25	23	46	62	62	32	18	45	32	47	20	43	41	15	15	14	15	35	85	33	10	13	14	32	85	10
6	26	20	51	80	39	15	48	75	96	78	74	29	28	22	19	10	14	29	25	63	50	61	18	39	42	96	10
7	36	34	38	23	46	40	69	72	88	72	29	15	20	20	16	14	14	14	76	10	12	19	41	56	36	88	10
8	48	78	47	76	58	65	82	88	55	31	9	13	11	7	16	23	14	12	44	17	13	15	19	6	35	88	6
9	24	18	20	51	39	46	68	33	54	65	64	31	24	14	22	23	15	59	16	16	11	28	25	37	33	68	11
10	38	38	48	39	41	44	43	51	80	61	36	29	22	35	27	26	21	37	63	54	48	28	53	12	41	80	12
11	11	12	23	27	28	60	8	6	6	8	7	7	15	35	62	24	12	7	11	21	21	55	60	65	25	65	6
12	78	51	61	52	87	83	85	71	65	53	83	15	15	14	17	14	15	12	19	68	89	75	69	43	51	89	12
13	42	45	51	53	47	46	47	69	92	41	15	16	10	13	12	11	11	12	25	18	11	73	42	61	36	92	10
14	68	54	38	50	28	41	75	64	58	67	15	25	28	12	19	66	32	27	48	45	39	71	86	91	48	91	12
15	46	10	14	32	51	63	96	61	17	39	18	13	12	13	11	13	17	12	56	67	58	67	55	66	38	96	10
16	40	48	51	63	39	47	14	12	28	11	17	15	16	13	15	12	10	11	9	9	9	11	11	10	22	63	9
17	12	12	10	9	9	10	10	10	11	10	13	11	15	13	12	11	10	7	8	10	10	20	69	40	15	69	7
18	34	22	52	24	42	33	68	79	52	50	31	19	16	17	18	15	21	100	19	22	29	30	33	24	35	100	15
19	30	18	16	67	73	92	84	13	50	37	11	10	20	16	10	12	15	11	11	9	11	21	12	12	28	92	9
20	14	12	23	17	23	12	12	15	17	16	12	11	12	15	14	12	15	13	14	22	8	16	86	49	19	86	8
21	61	74	50	27	94	88	34	92	81	78	50	41	86	96	67	51	16	49	46	55	57	16	27	29	57	96	16
22	16	25	65	33	86	87	63	72	98	44	72	72	60	9	9	10	56	12	9	13	11	46	64	70	46	98	9
23	59	63	70	68	92	47	99	73	80	69	45	13	23	10	6	7	7	9	24	20	15	27	23	89	43	99	6
24	64	49	62	83	85	83	84	80	63	84	64	16	20	16	23	26	16	23	18	17	65	65	40	42	50	85	16
25	7	47	6	7	6	10	39	35	20	26	18	18	14	17	7	6	7	17	27	49	36	82	18	41	23	82	6
26	48	94	40	65	53	78	81	78	94	25	12	83	19	12	21	17	51	43	20	39	30	29	26	14	45	94	12
27	40	73	96	39	20	56	20	10	8	35	35	22	16	42	34	30	9	27	31	32	25	39	20	26	33	96	8
28	32	18	10	18	6	8	33	40	96	47	29	31	15	32	62	54	65	63	13	30	40	37	59	54	37	96	6
29	30	38	49	46	53	29	57	43	47	24	77	91	9	10	12	67	31	76	13	73	78	26	79	18	45	91	9
30	50	85	59	96	32	43	51	63	58	84	21	18	17	14	12	27	11	65	62	50	21	47	93	57	47	96	11
31	77	41	49	35	47	41	49	85	64	89	74	14	13	15	24	49	17	6	12	39	61	59	50	31	43	89	6
Avg	40	39	42	44	47	46	51	50	55	46	34	25	23	21	21	24	20	28	29	36	32	38	43	41	36	87	10
Max	78	94	96	96	94	92	99	92	98	89	83	91	86	96	67	67	65	100	76	85	89	82	93	91	57	100	16
Min	7	10	6	7	6	8	8	6	6	8	7	7	9	7	6	6	7	6	8	9	8	10	11	6	15	63	6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
November 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	31	45	24	24	41	48	62	40	94	64	66	28	22	29	13	24	24	29	80	11	20	24	23	55	38	94	11
2	35	21	15	53	19	27	34	28	52	67	15	15	18	13	17	11	9	11	68	43	19	18	23	35	28	68	9
3	42	38	42	28	21	69	56	45	72	51	84	44	13	15	16	19	67	49	23	47	87	8	10	17	40	87	8
4	21	39	21	12	9	8	9	12	10	12	11	12	11	16	11	10	10	9	15	12	49	29	63	29	18	63	8
5	64	61	53	80	57	84	80	51	50	14	20	20	12	13	11	10	12	10	9	8	12	20	32	38	34	84	8
6	29	19	34	37	31	39	43	42	52	82	74	68	65	8	7	7	20	21	21	21	28	38	59	41	37	82	7
7	67	40	38	44	29	77	15	28	32	17	14	10	11	17	14	9	13	9	11	9	18	34	31	23	25	77	9
8	78	71	63	93	95	58	28	83	30	67	65	74	34	10	9	7	9	8	8	11	14	35	24	13	41	95	7
9	10	52	37	13	48	24	18	12	9	10	13	23	12	12	9	16	16	16	12	9	10	7	9	6	17	52	6
10	7	10	6	6	8	8	8	10	14	21	11	5	6	6	7	31	12	93	73	73	88	79	21	16	26	93	5
11	76	33	52	36	68	75	51	72	64	41	26	10	14	10	13	12	13	81	35	63	61	28	33	83	44	83	10
12	50	54	57	69	82	77	76	75	90	101	94	91	74	11	83	61	97	50	73	75	47	59	78	61	70	101	11
13	38	28	68	101	94	87	29	45	13	8	13	18	47	27	11	24	62	74	64	59	39	58	58	67	47	101	8
14	83	70	54	67	74	80	71	74	43	96	75	95	13	13	11	12	10	10	78	56	25	18	21	74	51	96	10
15	67	65	54	91	58	54	76	79	64	78	60	90	10	7	8	8	12	27	60	40	26	26	97	82	52	97	7
16	54	86	66	68	55	87	61	46	61	83	90	71	54	9	27	10	14	21	11	18	16	23	23	69	47	90	9
17	21	39	15	32	18	28	97	58	76	70	89	17	13	17	10	9	13	31	32	75	19	21	29	46	36	97	9
18	71	64	67	10	26	22	12	19	16	21	14	8	25	29	13	20	19	57	54	60	38	44	66	37	34	71	8
19	90	90	57	65	54	15	10	15	10	18	31	19	16	24	15	15	19	25	79	18	17	23	43	91	36	91	10
20	34	50	78	9	75	46	32	16	17	36	17	11	9	10	13	11	10	10	20	25	58	60	78	70	33	78	9
21	82	83	6	30	47	11	10	34	15	68	72	28	37	78	47	12	26	51	12	17	12	20	16	14	35	83	6
22	60	30	12	14	12	11	11	9	11	10	13	13	12	9	11	13	8	50	37	16	23	13	14	38	19	60	8
23	43	68	23	24	20	18	17	17	23	20	14	14	35	25	43	71	18	67	9	30	42	64	69	35	34	71	9
24	19	12	13	13	23	34	41	73	24	17	14	13	11	11	12	10	9	17	12	8	9	15	54	9	20	73	8
25	7	12	49	39	33	73	42	19	33	9	16	18	20	15	22	17	22	15	12	22	79	88	52	79	33	88	7
26	93	52	48	38	54	65	57	67	49	101	54	36	25	22	36	35	19	45	19	33	17	24	28	40	44	101	17
27	32	56	47	85	67	88	82	85	24	74	71	81	34	44	47	31	30	14	24	32	29	48	24	19	49	88	14
28	56	66	43	53	33	43	80	31	30	64	75	22	47	80	36	13	11	17	25	37	36	61	21	18	42	80	11
29	35	95	54	43	18	9	70	40	98	80	30	44	39	32	18	13	27	14	42	28	74	21	67	47	43	98	9
30	66	33	63	8	37	62	10	14	15	15	22	12	10	12	14	36	52	80	29	52	44	62	28	62	35	80	8
Avg	49	49	42	43	44	48	43	41	40	47	42	34	25	21	20	19	23	34	35	34	35	36	40	44	37	84	9
Max	93	95	78	101	95	88	97	85	98	101	94	95	74	80	83	71	97	93	80	75	88	88	97	91	70	101	17
Min	7	10	6	6	8	8	8	9	9	8	11	5	6	6	7	7	8	8	8	8	9	7	9	6	17	52	5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
December 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	75	92	78	48	74	63	65	65	65	20	26	27	18	13	15	12	40	11	15	38	50	55	80	60	46	92	11
2	59	18	21	8	11	15	12	13	10	11	10	11	11	10	11	12	23	11	14	15	12	10	10	9	14	59	8
3	12	14	26	9	24	10	9	27	30	18	14	13	13	12	13	13	15	12	14	27	23	20	51	62	20	62	9
4	77	59	21	20	22	8	11	67	13	16	10	22	27	11	10	31	24	12	8	13	64	64	33	15	27	77	8
5	16	14	10	9	13	47	19	11	10	11	10	25	14	11	16	12	9	10	22	17	13	12	16	9	15	47	9
6	12	17	17	21	75	78	53	26	16	17	13	13	14	13	12	16	20	31	17	46	92	97	90	58	36	97	12
7	88	69	15	36	85	46	11	10	10	11	14	14	11	12	18	16	19	24	16	13	11	34	62	12	27	88	10
8	10	14	10	11	9	11	13	11	9	10	11	7	7	7	13	26	31	40	21	39	74	49	78	75	24	78	7
9	48	74	65	72	72	42	80	67	34	86	85	69	12	38	13	22	14	11	10	11	14	11	32	50	43	86	10
10	27	15	17	37	54	65	46	41	12	9	12	9	11	10	10	8	8	10	34	42	15	26	57	32	25	65	8
11	74	77	70	70	51	56	25	49	12	17	49	24	63	15	28	10	11	13	17	21	67	85	39	93	43	93	10
12	25	81	100	42	32	72	82	50	44	21	45	74	72	13	12	14	18	43	40	24	76	63	78	65	49	100	12
13	56	57	60	57	99	45	57	27	91	42	71	18	22	9	10	21	77	31	44	37	59	80	67	100	52	100	9
14	75	84	79	89	89	94	81	88	75	84	Wx	10	59	57	25	48	56	46	87	84	56	34	42	35	64	94	10
15	42	44	34	70	67	64	53	67	92	97	95	72	14	13	15	28	35	36	22	48	49	40	26	58	49	97	13
16	59	85	101	81	77	72	68	83	70	91	39	11	11	14	13	11	62	28	33	64	72	82	12	28	53	101	11
17	43	9	13	13	7	18	28	41	61	26	29	37	61	27	48	15	12	9	9	10	10	10	10	10	23	61	7
18	12	12	10	11	11	10	11	12	11	11	12	11	10	9	9	9	12	15	10	25	24	27	21	32	14	32	9
19	26	45	45	46	73	77	71	58	78	76	98	71	19	13	26	15	36	73	54	19	24	50	28	27	48	98	13
20	46	23	15	17	19	7	16	18	33	17	23	16	9	Au	Au	Au	12	55	45	26	68	32	12	10	25	68	7
21	8	21	19	19	21	33	55	23	44	45	27	12	15	15	11	7	36	32	31	67	65	25	45	36	30	67	7
22	33	34	37	27	43	48	45	46	65	79	68	69	50	18	50	63	49	17	11	23	38	26	18	62	42	79	11
23	39	76	27	13	37	34	20	92	51	23	48	39	22	54	20	34	21	18	17	23	67	74	86	47	41	92	13
24	16	10	14	7	38	15	11	21	9	19	11	11	15	17	16	21	6	19	75	46	86	44	84	98	30	98	6
25	76	73	73	77	88	91	50	85	94	92	74	37	65	51	22	25	17	19	35	39	56	46	32	18	56	94	17
26	22	36	17	45	21	42	36	20	17	14	12	9	16	57	16	17	71	94	22	70	89	82	64	65	40	94	9
27	69	95	87	59	27	40	92	46	31	73	44	72	26	24	12	18	20	72	49	53	73	51	51	50	51	95	12
28	73	98	52	18	20	11	7	23	59	14	86	17	11	12	11	13	41	24	26	33	40	53	52	57	35	98	7
29	48	71	63	50	50	68	33	35	53	34	87	79	72	33	56	39	37	25	32	34	69	79	49	58	52	87	25
30	47	43	73	94	87	69	52	24	93	87	63	37	19	21	15	16	29	24	60	30	49	76	52	83	52	94	15
31	87	98	59	78	99	79	47	44	48	68	82	56	13	15	15	16	19	30	40	15	8	9	50	31	46	99	8
Avg	45	50	43	40	48	46	41	42	43	40	42	32	26	21	19	20	28	29	30	34	49	47	46	47	38	84	10
Max	88	98	101	94	99	94	92	92	94	97	98	79	72	57	56	63	77	94	87	84	92	97	90	100	64	101	25
Min	8	9	10	7	7	7	7	10	9	9	10	7	7	7	9	7	6	9	8	10	8	9	10	9	14	32	6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
October 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.8	-0.3	-0.6	-0.9	-2.2	-2.0	-2.5	-1.4	3.2	10.6	13.6	14.6	16.1	17.6	18.2	18.8	18.6	18.2	15.7	12.8	11.9	11.1	9.4	9.8	8.8	18.8	-2.5
2	12.3	15.5	15.2	14.6	14.3	13.6	13.0	12.9	13.7	14.5	15.4	16.1	16.7	17.4	17.7	17.5	16.8	15.0	13.3	12.1	8.4	4.6	2.8	2.0	13.1	17.7	2.0
3	2.2	2.0	0.7	-0.5	-0.2	-0.4	-0.3	-0.3	-0.7	-0.7	-0.3	1.1	1.8	1.5	0.8	0.1	0.6	0.1	-0.8	-1.2	-1.1	-1.3	-1.5	-1.6	0.0	2.2	-1.6
4	-3.6	-5.2	-6.3	-5.7	-4.8	-4.3	-4.1	-3.7	-1.8	-0.6	0.0	0.9	1.1	0.1	-0.7	-0.1	-1.2	-0.9	-1.0	-1.3	-1.5	-1.7	-1.8	-2.0	-2.1	1.1	-6.3
5	-2.3	-2.5	-2.7	-2.9	-3.4	-3.9	-3.6	-3.2	-2.7	-2.1	-1.3	-0.6	-0.4	-0.3	-0.5	-0.1	-0.6	-1.5	-2.7	-4.5	-6.4	-7.7	-8.9	-9.8	-3.1	-0.1	-9.8
6	-11.2	-11.7	-12.3	-13.6	-13.8	-14.3	-14.5	-13.7	-10.2	-6.4	-1.5	0.2	2.1	3.5	4.4	4.1	3.5	2.5	1.8	1.1	0.3	0.5	0.3	0.4	-4.1	4.4	-14.5
7	0.2	-1.0	-2.0	-3.5	-5.2	-5.8	-6.2	-5.3	-2.1	2.3	5.4	7.1	8.8	9.9	10.8	11.0	11.2	10.1	6.6	2.7	0.7	-0.7	-2.5	-2.9	2.1	11.2	-6.2
8	-3.5	-4.6	-4.1	-3.5	-2.5	-2.7	-2.7	-2.1	0.9	3.3	3.3	3.8	4.6	4.9	4.9	4.6	4.3	3.9	2.8	1.8	1.4	1.0	-0.2	-0.9	0.8	4.9	-4.6
9	-1.1	-1.0	-1.0	-1.0	-1.0	-1.1	-1.1	-1.1	-0.5	0.7	2.7	5.0	6.4	7.5	8.3	8.7	8.5	6.4	2.4	0.5	-1.1	-1.9	-3.4	-4.7	1.5	8.7	-4.7
10	-5.3	-6.0	-5.7	-6.4	-6.9	-7.6	-7.6	-6.7	-2.8	4.2	9.7	11.1	12.2	13.1	13.8	13.4	11.9	9.2	6.5	4.4	4.1	4.2	3.7	3.1	2.9	13.8	-7.6
11	2.6	1.9	0.7	-0.1	0.2	0.6	0.6	0.3	0.0	0.3	0.9	1.6	2.6	3.9	5.9	6.9	7.2	4.8	1.6	-0.1	-1.6	-3.6	-4.3	-5.9	1.1	7.2	-5.9
12	-6.8	-7.9	-7.6	-7.1	-6.8	-5.9	-6.2	-5.1	-2.1	4.5	12.5	15.1	15.8	16.6	17.2	17.5	17.2	15.7	14.1	13.5	11.9	9.5	7.0	4.6	5.7	17.5	-7.9
13	3.2	2.4	2.4	2.2	1.6	1.5	2.1	3.2	3.4	5.8	6.6	8.2	9.2	10.0	10.1	10.6	10.3	9.4	8.7	8.4	7.9	6.2	5.7	5.1	6.0	10.6	1.5
14	5.1	4.9	4.5	3.5	2.5	0.8	-0.2	0.0	3.7	9.4	11.2	11.9	11.4	11.2	11.2	11.3	11.0	10.1	8.2	6.5	4.9	4.3	3.7	5.4	6.5	11.9	-0.2
15	10.1	11.0	10.9	8.4	7.6	6.6	7.3	8.8	9.5	7.8	7.8	8.1	8.6	9.8	10.4	9.3	8.3	8.2	7.0	4.3	2.8	1.8	0.9	1.1	7.4	11.0	0.9
16	1.9	2.2	4.2	4.8	7.5	9.9	10.1	9.8	8.3	7.3	7.6	7.8	9.0	7.5	7.0	6.1	5.2	3.8	2.8	2.5	2.2	1.7	1.4	0.8	5.5	10.1	0.8
17	0.6	0.3	0.3	0.1	0.0	-0.1	-0.2	0.1	0.5	1.3	2.2	2.4	2.9	3.4	3.7	3.6	3.1	2.4	1.7	0.9	0.0	-1.5	-1.4	-2.9	1.0	3.7	-2.9
18	-4.1	-4.6	-6.4	-7.9	-8.9	-8.9	-9.7	-8.9	-5.7	0.0	3.8	5.6	7.0	8.1	8.9	9.0	8.2	7.4	2.8	0.6	-0.1	-1.3	-2.2	-2.6	-0.4	9.0	-9.7
19	-1.9	-1.6	-1.0	-0.2	0.8	1.8	2.0	4.9	6.9	9.9	11.5	11.5	11.6	12.1	12.7	13.1	13.5	12.2	11.4	10.5	9.8	8.8	8.3	8.1	7.4	13.5	-1.9
20	8.3	8.0	6.9	7.6	7.3	7.1	7.0	7.0	7.6	6.9	6.5	6.4	7.0	7.6	7.3	5.7	4.5	2.8	2.2	1.7	1.0	-0.6	-1.4	-3.2	5.0	8.3	-3.2
21	-3.6	-4.0	-5.0	-5.5	-6.2	-7.2	-8.0	-8.7	-6.4	-0.9	1.3	2.6	3.5	3.8	4.5	5.0	4.7	2.9	2.3	1.7	1.6	1.0	-0.1	-0.2	-0.9	5.0	-8.7
22	-1.1	-1.7	-3.0	-4.7	-6.3	-6.7	-6.4	-7.3	-6.6	-4.2	-1.3	1.1	2.0	2.4	1.5	0.8	0.2	0.1	-0.2	-0.3	-0.3	-2.4	-4.9	-4.7	-2.2	2.4	-7.3
23	-4.1	-3.8	-3.5	-3.4	-4.0	-6.5	-8.7	-8.5	-7.9	-5.1	-2.7	-1.1	-1.1	-1.2	-1.5	-1.8	-4.5	-5.4	-6.1	-6.7	-7.2	-7.5	-7.4	-8.2	-4.9	-1.1	-8.7
24	-9.4	-10.3	-9.9	-9.6	-9.6	-8.9	-8.0	-7.8	-7.0	-5.7	-3.5	-2.0	-1.4	-1.0	-0.9	-0.8	-1.8	-3.8	-6.3	-7.9	-7.5	-8.3	-8.1	-8.6	-6.2	-0.8	-10.3
25	-10.0	-11.0	-10.7	-10.1	-10.3	-10.5	-10.0	-9.5	-9.0	-8.3	-7.8	-7.4	-6.8	-6.6	-7.1	-7.3	-7.3	-7.9	-8.1	-8.1	-8.0	-7.9	-7.8	-7.7	-8.6	-6.6	-11.0
26	-7.7	-7.7	-8.0	-7.7	-7.4	-7.4	-7.9	-8.1	-6.8	-5.2	-4.0	-2.9	-1.9	-1.5	-1.6	-1.6	-2.0	-3.0	-3.9	-4.5	-4.6	-4.6	-4.8	-5.3	-5.0	-1.5	-8.1
27	-5.0	-4.8	-4.8	-4.7	-4.6	-4.7	-4.6	-4.2	-3.8	-3.3	-2.8	-2.5	-2.0	-1.5	-0.9	-0.2	-0.4	-0.8	-1.3	-1.4	-1.3	-1.4	-1.6	-1.3	-2.7	-0.2	-5.0
28	-0.3	-0.5	0.0	-0.1	0.0	0.3	0.7	0.8	0.8	1.4	1.7	2.0	2.6	2.5	2.5	2.9	3.6	3.5	2.4	2.4	2.6	2.7	2.0	1.5	1.6	3.6	-0.5
29	1.4	1.3	1.4	1.5	1.7	2.6	2.5	2.1	2.8	4.9	4.6	6.6	9.5	9.8	9.3	8.4	7.5	7.0	7.6	7.0	4.1	3.3	3.2	6.5	4.9	9.8	1.3
30	5.8	4.1	2.4	2.8	3.2	1.9	0.5	0.4	1.7	5.6	9.4	10.6	11.9	12.2	11.7	12.2	11.7	9.5	7.0	5.5	3.6	3.3	3.3	3.1	6.0	12.2	0.4
31	3.1	3.3	2.7	2.8	2.7	2.4	2.6	2.6	3.2	5.1	11.1	12.7	13.4	14.4	14.5	13.9	12.8	9.0	7.7	6.3	3.7	3.3	3.1	3.5	6.7	14.5	2.4
Avg	-0.8	-1.1	-1.4	-1.6	-1.8	-1.9	-2.1	-1.7	-0.3	2.0	4.0	5.1	5.9	6.4	6.6	6.5	6.0	4.9	3.4	2.3	1.4	0.5	-0.2	-0.6	1.7	7.2	-4.5
Max	12.3	15.5	15.2	14.6	14.3	13.6	13.0	12.9	13.7	14.5	15.4	16.1	16.7	17.6	18.2	18.8	18.6	18.2	15.7	13.5	11.9	11.1	9.4	9.8	13.1	18.8	2.4
Min	-11.2	-11.7	-12.3	-13.6	-13.8	-14.3	-14.5	-13.7	-10.2	-8.3	-7.8	-7.4	-6.8	-6.6	-7.1	-7.3	-7.3	-7.9	-8.1	-8.1	-8.0	-8.3	-8.9	-9.8	-8.6	-6.6	-14.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
November 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	2.1	1.1	1.6	2.2	2.1	1.3	0.9	1.6	2.2	4.7	9.8	11.5	11.1	10.7	9.7	9.4	8.6	6.1	4.9	4.7	4.6	4.3	2.8	3.1	5.0	11.5	0.9
2	3.4	2.9	2.6	2.3	2.3	1.5	1.6	1.3	1.7	3.0	3.9	5.1	5.6	5.7	5.5	5.9	5.6	4.5	4.1	1.6	-1.0	-2.2	-3.3	-4.2	2.5	5.9	-4.2
3	-4.3	-4.5	-5.2	-5.6	-6.0	-6.6	-6.5	-6.7	-5.6	-1.5	3.6	7.1	8.0	8.7	8.8	8.4	7.1	4.9	5.8	5.1	5.2	7.4	7.4	6.7	1.7	8.8	-6.7
4	6.6	6.8	6.1	6.1	6.1	6.3	6.4	6.5	6.5	7.0	7.4	8.2	8.3	8.7	8.8	9.0	8.3	8.0	7.9	7.9	7.4	6.8	4.4	3.4	7.0	9.0	3.4
5	2.4	2.7	3.5	4.8	5.9	7.4	7.6	7.1	9.3	10.7	11.1	11.5	11.9	12.6	12.8	12.5	12.0	11.3	10.7	10.1	9.3	8.6	8.2	6.5	8.8	12.8	2.4
6	3.6	0.9	-0.2	-0.6	-0.1	-1.0	-1.0	-1.0	-0.4	1.4	3.6	5.7	7.5	9.7	10.4	10.8	9.9	7.0	5.2	3.2	2.5	1.9	0.4	-0.2	3.3	10.8	-1.0
7	-0.3	2.2	3.9	9.7	4.9	7.7	10.2	5.3	5.8	12.3	13.1	12.7	13.1	13.7	11.3	8.8	7.2	5.4	4.7	3.7	2.9	2.0	1.4	0.1	6.7	13.7	-0.3
8	-0.8	-2.2	-2.8	-4.0	-3.0	-2.3	-1.1	-2.8	-2.4	-2.3	-2.0	-2.6	-2.6	-3.1	-3.6	-4.3	-4.5	-4.6	-4.8	-4.8	-4.8	-4.8	-4.7	-4.8	-3.3	-0.8	-4.8
9	-4.4	-4.8	-4.8	-5.1	-5.4	-5.5	-5.8	-8.7	-10.6	-11.5	-11.3	-9.6	-10.7	-11.2	-11.5	-10.6	-10.6	-10.8	-11.3	-12.2	-12.6	-12.9	-13.1	-13.5	-9.5	-4.4	-13.5
10	-13.8	-14.1	-14.4	-14.8	-15.2	-15.7	-15.9	-16.3	-16.9	-17.1	-17.2	-17.0	-16.9	-16.5	-16.4	-16.2	-16.7	-17.4	-17.3	-17.0	-16.7	-16.4	-16.1	-15.8	-16.2	-13.8	-17.4
11	-15.7	-16.4	-19.2	-20.9	-22.1	-21.6	-19.2	-18.2	-17.8	-14.0	-12.3	-10.1	-9.5	-9.2	-9.3	-9.1	-9.5	-10.8	-12.0	-13.6	-13.6	-14.4	-14.8	-15.2	-14.5	-9.1	-22.1
12	-15.2	-15.6	-16.9	-16.6	-17.3	-17.8	-18.0	-17.6	-16.3	-13.1	-10.7	-7.0	-3.6	-2.0	-1.7	-1.7	-2.9	-3.5	-3.3	-3.3	-2.4	-2.3	-2.8	-2.3	-8.9	-1.7	-18.0
13	-2.3	-3.0	-2.8	-3.1	-3.3	-3.5	-2.2	-2.1	-1.6	-0.5	0.0	0.4	0.8	1.0	0.7	0.4	-0.2	-0.8	-1.4	-0.9	-1.3	-2.3	-2.9	-2.4	-1.4	1.0	-3.5
14	-2.4	-2.7	-2.5	-2.9	-3.1	-3.0	-3.0	-3.3	-2.8	-1.6	-0.9	0.5	1.5	1.3	1.3	1.3	1.0	0.3	-1.6	-1.6	-2.2	-4.0	-5.3	-6.2	-1.7	1.5	-6.2
15	-6.9	-7.7	-9.4	-10.5	-11.0	-11.8	-12.7	-13.6	-13.6	-11.3	-8.2	-3.7	-0.3	1.2	1.6	1.3	-0.3	-1.3	-3.6	-5.7	-6.4	-6.4	-6.7	-7.4	-6.4	1.6	-13.6
16	-7.9	-8.9	-7.6	-7.3	-6.4	-7.1	-7.3	-7.1	-7.4	-5.6	-2.9	-0.4	2.4	3.9	4.4	4.4	4.1	3.4	1.8	1.7	1.5	0.3	-0.6	-1.8	-2.1	4.4	-8.9
17	-2.9	-3.4	-5.2	-6.3	-6.3	-6.1	-6.7	-6.5	-5.4	-3.6	-1.1	4.3	5.7	6.3	6.3	6.0	4.9	2.6	0.9	1.9	3.4	2.2	-0.3	-1.1	-0.4	6.3	-6.7
18	-0.4	-1.3	-0.8	3.4	4.0	3.6	4.3	4.6	2.8	2.2	2.8	2.7	2.5	2.3	2.6	1.8	1.3	-1.4	-3.1	-4.9	-6.8	-7.6	-8.5	-8.0	-0.1	4.6	-8.5
19	-9.0	-9.1	-7.7	-7.5	-5.7	0.0	0.5	0.1	1.8	3.1	4.3	5.1	5.9	6.4	6.7	6.8	6.1	5.2	4.9	5.6	5.8	5.6	6.0	6.5	2.0	6.8	-9.1
20	6.4	6.0	6.7	7.5	7.2	7.0	6.7	7.0	6.5	7.7	7.7	7.9	8.2	8.4	8.4	7.9	7.6	7.3	6.8	6.8	6.1	6.0	6.2	5.8	7.1	8.4	5.8
21	5.6	5.6	5.3	3.9	4.9	7.0	6.9	5.8	2.1	0.6	1.2	1.1	1.7	1.6	1.7	1.5	1.0	0.4	0.1	-0.7	-1.7	-2.6	-3.1	-3.2	1.9	7.0	-3.2
22	-3.3	-4.0	-2.9	-3.2	-3.1	-3.3	-3.7	-3.9	-3.3	-2.9	-2.6	-2.2	-1.9	-1.8	-1.7	-1.6	-2.6	-4.3	-5.7	-8.3	-9.0	-9.5	-10.3	-11.1	-4.4	-1.6	-11.1
23	-11.6	-11.8	-11.6	-11.4	-10.8	-10.0	-8.5	-7.0	-5.7	-3.6	-1.8	0.3	2.0	3.0	3.7	3.9	4.8	3.0	-0.1	-0.5	-1.3	-1.4	-1.2	-0.7	-3.3	4.8	-11.8
24	-1.6	-2.1	-1.8	-1.0	-1.8	-0.7	0.9	1.9	3.1	3.5	3.5	3.3	2.2	2.6	3.4	3.3	2.5	1.8	1.1	1.1	0.9	0.8	0.0	0.3	1.1	3.5	-2.1
25	-0.3	-0.5	-1.1	-2.2	-3.1	-3.0	-2.8	-2.5	-2.5	-1.9	-1.8	-1.8	-1.8	-2.2	-2.7	-3.8	-4.2	-4.5	-4.9	-5.5	-6.1	-6.1	-6.2	-7.5	-3.3	-0.3	-7.5
26	-7.8	-8.1	-10.9	-13.8	-15.7	-16.7	-17.7	-18.5	-18.7	-16.4	-12.7	-9.4	-5.4	-3.8	-3.5	-3.8	-5.4	-7.8	-8.3	-9.9	-10.8	-12.3	-13.4	-13.9	-11.0	-3.5	-18.7
27	-14.7	-14.8	-14.7	-14.4	-13.6	-13.1	-12.1	-11.1	-10.7	-9.6	-7.1	-3.9	-0.5	0.7	1.0	0.0	-2.5	-4.6	-6.8	-7.3	-7.5	-7.7	-8.7	-8.7	-8.0	1.0	-14.8
28	-8.8	-8.1	-8.2	-7.8	-7.6	-7.2	-6.9	-6.7	-7.1	-5.1	-1.8	0.6	4.2	7.0	6.9	4.7	1.4	-0.2	-1.6	-2.3	-2.0	-2.3	-1.7	-1.6	-2.6	7.0	-8.8
29	-1.4	-0.6	1.0	0.9	0.4	0.5	0.4	0.0	-0.4	-0.3	0.9	3.0	4.6	5.3	6.1	6.2	5.7	5.3	4.2	2.8	1.5	4.2	4.1	3.8	2.4	6.2	-1.4
30	4.2	5.3	5.3	6.0	5.7	5.6	7.0	6.3	6.4	6.5	6.5	6.7	6.5	5.3	4.8	4.4	3.6	2.5	1.4	0.8	0.0	-0.3	-0.7	-1.0	4.1	7.0	-1.0
Avg	-3.4	-3.7	-3.8	-3.7	-3.9	-3.6	-3.3	-3.5	-3.4	-2.0	-0.5	1.0	2.0	2.5	2.5	2.3	1.4	0.2	-0.7	-1.4	-1.8	-2.2	-2.8	-3.1	-1.4	3.6	-7.1
Max	6.6	6.8	6.7	9.7	7.2	7.7	10.2	7.1	9.3	12.3	13.1	12.7	13.1	13.7	12.8	12.5	12.0	11.3	10.7	10.1	9.3	8.6	8.2	6.7	8.8	13.7	5.8
Min	-15.7	-16.4	-19.2	-20.9	-22.1	-21.6	-19.2	-18.5	-18.7	-17.1	-17.2	-17.0	-16.9	-16.5	-16.4	-16.2	-16.7	-17.4	-17.3	-17.0	-16.7	-16.4	-16.1	-15.8	-16.2	-13.8	-22.1

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
December 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-1.3	-0.8	-0.4	-0.2	-1.4	-1.4	-0.9	1.1	2.1	3.2	4.2	4.8	5.4	5.8	6.2	6.5	5.1	1.8	1.6	1.9	0.6	-0.4	0.5	2.2	1.9	6.5	-1.4
2	3.2	4.7	5.3	5.9	6.5	7.3	7.4	7.4	7.7	7.8	7.6	8.1	8.4	8.6	8.7	7.1	2.6	1.1	1.2	0.7	-0.3	-1.2	-1.1	-1.3	4.7	8.7	-1.3
3	-1.1	-1.4	-1.5	-0.9	-1.1	-1.2	-1.1	-0.7	-0.9	-0.6	-0.2	0.8	1.4	1.7	2.1	2.0	1.3	0.8	0.7	0.5	0.0	0.2	0.0	-2.1	-0.1	2.1	-2.1
4	-3.7	-3.9	-5.1	-4.9	-3.9	-2.9	-2.5	-1.2	-1.5	-0.8	0.3	1.5	3.4	4.1	4.3	4.6	4.9	5.3	5.0	4.8	4.6	4.9	5.8	6.0	1.2	6.0	-5.1
5	5.7	5.7	5.5	5.5	5.7	6.1	6.7	6.4	6.2	6.5	6.5	6.0	5.4	5.1	3.9	3.0	2.1	1.0	0.0	-0.7	-1.1	-1.8	-2.3	-2.6	3.5	6.7	-2.6
6	-2.8	-3.0	-3.1	-3.6	-3.7	-3.8	-3.4	-3.4	-3.7	-3.7	-3.2	-3.3	-3.5	-3.1	-2.9	-3.3	-4.3	-4.6	-4.8	-5.2	-5.2	-5.2	-5.1	-5.5	-3.9	-2.8	-5.5
7	-5.7	-5.5	-5.5	-6.0	-5.8	-5.1	-4.4	-4.3	-4.4	-4.2	-3.6	-3.0	-2.8	-2.9	-2.8	-2.6	-2.7	-2.7	-2.6	-2.6	-3.2	-3.7	-4.2	-4.3	-3.9	-2.6	-6.0
8	-4.6	-4.9	-5.2	-6.0	-6.7	-7.5	-8.5	-11.2	-12.2	-12.0	-11.7	-11.8	-11.9	-11.5	-11.9	-13.0	-14.1	-15.5	-17.7	-19.8	-21.5	-21.9	-22.9	-23.8	-12.8	-4.6	-23.8
9	-23.6	-24.2	-24.4	-25.0	-25.1	-24.8	-25.4	-24.0	-22.9	-20.3	-17.2	-13.9	-11.6	-10.2	-10.0	-10.1	-10.2	-9.5	-9.4	-9.4	-9.4	-9.0	-8.9	-8.3	-16.1	-8.3	-25.4
10	-8.0	-8.4	-9.1	-9.8	-10.5	-11.0	-10.6	-9.3	-6.8	-5.9	-5.8	-5.0	-4.3	-4.3	-4.0	-4.3	-4.3	-5.1	-6.5	-8.5	-11.8	-14.6	-16.5	-17.0	-8.4	-4.0	-17.0
11	-16.5	-15.3	-14.5	-11.7	-5.6	-3.5	-2.7	-2.4	-1.2	-1.1	-0.8	-0.2	-0.3	0.2	0.6	1.2	1.0	0.7	0.5	-0.1	-1.3	-1.4	-1.6	-1.7	-3.2	1.2	-16.5
12	-2.3	-2.5	-2.8	-2.9	-3.2	-3.2	-3.4	-3.3	-3.4	-3.4	-3.0	-2.6	-2.1	-1.2	-1.3	-1.8	-1.9	-2.6	-3.2	-4.0	-4.5	-4.4	-5.5	-5.9	-3.1	-1.2	-5.9
13	-6.6	-7.6	-7.9	-7.8	-7.3	-5.6	-5.0	-7.8	-10.7	-8.3	-5.2	-3.8	-3.5	-3.0	-3.3	-3.9	-6.4	-9.3	-12.0	-14.2	-15.3	-16.2	-17.4	-18.1	-8.6	-3.0	-18.1
14	-18.1	-19.1	-19.1	-19.3	-18.6	-18.4	-18.0	-17.6	-16.9	-15.3	-12.1	-8.9	-7.0	-4.3	-1.4	-1.1	-1.6	-2.3	-2.8	-3.8	-4.7	-7.1	-9.8	-12.1	-10.8	-1.1	-19.3
15	-13.3	-13.5	-14.7	-15.4	-15.0	-15.0	-15.5	-15.9	-17.0	-16.1	-14.0	-10.1	-5.3	-4.5	-4.3	-4.6	-6.5	-9.9	-12.3	-13.6	-15.0	-16.0	-17.2	-17.4	-12.6	-4.3	-17.4
16	-17.4	-16.9	-16.7	-16.1	-15.1	-12.3	-10.1	-8.7	-7.5	-7.2	-5.6	-4.2	-4.0	-3.9	-5.5	-5.6	-6.7	-9.7	-12.6	-12.1	-10.8	-8.9	-7.9	-8.2	-9.7	-3.9	-17.4
17	-7.3	-5.8	-5.3	-4.4	-3.9	-3.4	-3.8	-3.0	-2.4	-2.1	-1.6	-1.0	-1.4	-0.9	-0.3	-0.1	-1.3	-1.7	-2.3	-3.1	-3.8	-4.6	-5.4	-5.6	-3.1	-0.1	-7.3
18	-6.0	-6.1	-6.2	-6.5	-6.9	-7.1	-7.4	-7.7	-8.1	-8.5	-8.1	-7.6	-7.4	-7.3	-7.4	-7.5	-8.2	-9.4	-9.5	-9.8	-11.4	-12.1	-14.3	-17.2	-8.7	-6.0	-17.2
19	-18.9	-20.2	-21.2	-21.8	-20.6	-20.1	-20.1	-20.5	-21.3	-19.9	-17.8	-14.3	-9.2	-8.2	-8.0	-8.4	-9.8	-12.3	-15.5	-16.7	-18.1	-17.5	-16.8	-15.5	-16.4	-8.0	-21.8
20	-14.2	-14.6	-14.8	-13.9	-11.8	-12.2	-10.5	-10.8	-9.7	-6.4	-5.2	-2.7	-2.0	Au	Au	Au	-1.9	-2.9	-4.4	-4.1	-4.7	-5.6	-2.9	-3.3	-7.6	-1.9	-14.8
21	-4.4	-7.3	-7.7	-8.9	-10.0	-9.8	-8.3	-4.1	-5.5	-5.0	-1.9	0.8	1.4	1.6	1.2	0.4	-1.9	-1.1	-1.4	-2.2	-2.6	-2.6	-4.0	-5.3	-3.7	1.6	-10.0
22	-6.8	-7.8	-9.6	-9.9	-11.0	-11.6	-11.8	-12.0	-11.0	-10.4	-8.3	-5.9	-2.5	1.8	2.1	1.8	0.6	-1.2	-1.1	-3.1	-2.9	-0.9	-0.6	-0.7	-5.1	2.1	-12.0
23	-1.1	-2.4	-1.1	-3.0	-3.6	-4.0	-5.2	-5.2	-7.4	-6.9	-4.6	-2.7	-1.8	-1.5	-1.3	-1.7	-2.9	-6.5	-7.8	-9.3	-9.9	-9.8	-9.5	-6.8	-4.8	-1.1	-9.9
24	-6.4	-7.4	-6.7	-7.1	-11.9	-15.1	-16.3	-17.7	-18.3	-18.3	-18.2	-18.6	-18.8	-18.6	-19.1	-19.1	-19.3	-20.2	-20.4	-20.3	-20.1	-20.7	-21.7	-21.0	-16.7	-6.4	-21.7
25	-20.9	-20.3	-19.4	-18.7	-17.9	-17.5	-17.0	-16.6	-16.2	-15.6	-14.7	-13.1	-11.3	-9.5	-8.1	-7.3	-8.1	-10.8	-12.4	-12.4	-11.8	-11.6	-11.6	-12.8	-14.0	-7.3	-20.9
26	-13.2	-12.5	-12.2	-11.5	-11.3	-10.8	-9.9	-9.2	-8.7	-7.9	-7.3	-6.3	-5.9	-6.0	-5.9	-5.8	-6.5	-10.0	-12.1	-10.7	-10.7	-10.2	-10.0	-9.8	-9.3	-5.8	-13.2
27	-9.7	-9.6	-9.4	-9.3	-9.1	-9.0	-8.4	-8.0	-7.9	-8.0	-7.8	-7.3	-7.2	-6.4	-6.3	-6.2	-6.5	-6.9	-7.6	-10.1	-12.2	-13.1	-11.8	-9.9	-8.7	-6.2	-13.1
28	-8.4	-8.0	-7.7	-6.4	-6.1	-6.2	-6.2	-7.2	-9.2	-10.3	-9.4	-5.9	-4.8	-4.8	-4.7	-5.2	-6.4	-7.6	-12.4	-13.7	-15.0	-16.4	-17.6	-18.1	-9.1	-4.7	-18.1
29	-18.8	-19.6	-19.4	-19.5	-19.0	-18.7	-17.1	-15.7	-15.2	-15.0	-14.0	-13.0	-11.3	-9.5	-7.8	-7.3	-7.5	-9.2	-10.2	-11.5	-12.4	-13.4	-15.4	-16.3	-14.0	-7.3	-19.6
30	-16.0	-16.4	-15.0	-14.3	-13.9	-13.7	-13.6	-14.0	-14.2	-13.4	-12.5	-9.3	-8.3	-8.1	-8.1	-8.1	-8.6	-9.9	-11.3	-12.8	-14.7	-15.4	-15.2	-15.5	-12.6	-8.1	-16.4
31	-15.7	-15.4	-15.0	-14.6	-14.3	-15.7	-17.1	-18.7	-19.3	-19.2	-15.5	-11.7	-9.5	-8.8	-8.5	-8.4	-8.6	-8.9	-8.8	-8.7	-8.8	-8.8	-8.6	-8.6	-12.4	-8.4	-19.3
Avg	-9.2	-9.4	-9.4	-9.3	-9.1	-8.9	-8.7	-8.6	-8.6	-8.0	-6.8	-5.3	-4.3	-3.7	-3.5	-3.6	-4.5	-5.8	-6.8	-7.6	-8.3	-8.7	-9.0	-9.2	-7.4	-2.3	-13.6
Max	5.7	5.7	5.5	5.9	6.5	7.3	7.4	7.4	7.7	7.8	7.6	8.1	8.4	8.6	8.7	7.1	5.1	5.3	5.0	4.8	4.6	4.9	5.8	6.0	4.7	8.7	-1.3
Min	-23.6	-24.2	-24.4	-25.0	-25.1	-24.8	-25.4	-24.0	-22.9	-20.3	-18.2	-18.6	-18.8	-18.6	-19.1	-19.1	-19.3	-20.2	-20.4	-20.3	-21.5	-21.9	-22.9	-23.8	-16.7	-8.4	-25.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
October 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-1.0	-1.8	-2.0	-2.8	-3.5	-3.6	-4.5	-1.7	3.6	11.1	14.3	15.6	17.3	18.7	19.1	19.4	18.8	17.6	14.5	11.2	9.6	8.7	7.6	8.2	8.1	19.4	-4.5
2	10.8	15.0	14.9	14.3	14.0	13.3	12.5	12.5	13.8	14.9	16.3	17.2	17.8	18.3	18.5	18.1	17.0	14.7	12.4	10.9	7.6	4.3	2.4	1.5	13.0	18.5	1.5
3	2.1	1.8	0.3	-0.5	-0.1	-0.4	-0.3	-0.2	-0.5	-0.4	0.1	1.9	2.8	2.3	1.3	0.3	1.2	0.2	-0.8	-1.1	-1.1	-1.3	-1.5	-1.8	0.2	2.8	-1.8
4	-4.5	-6.5	-7.2	-5.7	-4.9	-4.4	-4.1	-3.6	-1.5	-0.1	0.7	1.9	1.8	0.5	-0.3	0.2	-0.9	-0.7	-1.0	-1.3	-1.5	-1.6	-1.7	-2.0	-2.0	1.9	-7.2
5	-2.2	-2.5	-2.6	-3.0	-3.7	-4.2	-3.6	-3.1	-2.5	-1.9	-0.7	0.1	0.1	0.0	-0.2	0.3	-0.4	-1.7	-3.6	-5.4	-7.0	-7.9	-9.3	-10.0	-3.1	0.3	-10.0
6	-11.9	-12.6	-13.4	-14.8	-14.8	-16.0	-15.8	-14.3	-10.0	-6.0	-0.8	1.0	3.0	4.5	5.4	4.6	3.8	2.5	1.7	1.1	0.3	0.6	0.4	0.5	-4.2	5.4	-16.0
7	0.1	-1.2	-2.5	-4.6	-6.1	-6.7	-7.5	-5.8	-1.9	2.9	6.2	8.0	9.8	10.9	11.7	11.6	11.5	9.6	5.3	2.1	0.3	-1.5	-3.8	-4.2	1.8	11.7	-7.5
8	-5.2	-6.0	-5.1	-4.0	-3.0	-3.4	-3.6	-2.1	1.0	3.6	3.4	4.1	5.0	5.3	5.1	4.5	4.2	3.8	2.7	1.7	1.3	1.0	-0.2	-0.9	0.6	5.3	-6.0
9	-1.0	-1.0	-0.9	-1.0	-1.0	-1.2	-1.2	-1.1	-0.3	0.9	3.1	5.8	7.4	8.4	9.3	9.4	8.7	5.4	1.7	0.1	-1.9	-3.1	-5.5	-6.2	1.5	9.4	-6.2
10	-7.2	-7.7	-7.9	-8.3	-8.8	-9.4	-9.3	-7.7	-2.5	4.6	10.4	12.0	13.2	14.0	14.5	14.0	12.2	8.6	5.8	3.2	3.4	4.2	3.8	3.2	2.4	14.5	-9.4
11	2.7	2.0	0.8	0.0	0.2	0.7	0.6	0.4	0.2	0.7	1.6	2.6	3.6	4.5	6.3	7.4	7.5	4.3	1.1	-1.4	-4.1	-5.0	-6.4	-7.5	1.0	7.5	-7.5
12	-8.1	-9.0	-9.2	-9.0	-8.8	-7.9	-8.3	-6.5	-1.9	4.8	13.0	16.0	16.6	17.5	17.9	17.9	17.1	14.5	13.1	12.6	10.1	7.4	4.9	3.5	4.9	17.9	-9.2
13	2.7	1.8	1.7	1.3	0.8	0.7	1.9	2.5	3.2	5.6	6.8	8.6	9.6	10.5	10.4	10.8	10.2	9.1	8.3	8.0	7.2	5.2	4.4	4.0	5.6	10.8	0.7
14	4.1	3.6	1.9	1.9	1.1	-0.2	-1.1	-0.6	3.6	9.8	11.8	12.5	11.6	11.4	11.4	11.3	10.8	9.5	7.2	5.5	3.9	2.9	2.4	3.1	5.8	12.5	-1.1
15	8.6	10.1	9.4	7.0	6.2	5.4	5.7	7.9	9.0	7.6	7.8	8.1	8.7	10.0	10.5	9.3	8.4	7.9	5.7	3.3	1.9	0.8	0.0	0.3	6.7	10.5	0.0
16	0.9	1.6	3.3	3.9	6.7	9.3	9.5	9.1	8.0	7.2	7.6	7.6	9.4	7.6	7.5	6.3	5.2	3.6	2.6	2.4	2.0	1.5	1.3	0.6	5.2	9.5	0.6
17	0.3	0.0	0.1	-0.1	-0.4	-0.4	-0.4	0.1	0.6	1.5	2.5	2.7	3.2	3.7	4.1	3.9	3.0	1.9	1.1	0.1	-1.0	-2.9	-2.3	-4.4	0.7	4.1	-4.4
18	-5.4	-6.2	-7.2	-9.0	-9.5	-9.8	-10.5	-9.4	-5.3	0.3	4.4	6.4	7.8	8.8	9.4	9.3	8.1	6.3	1.7	0.2	-0.8	-2.1	-3.3	-3.8	-0.8	9.4	-10.5
19	-3.2	-2.7	-2.3	-1.3	-0.5	-0.3	0.7	3.3	6.4	9.9	11.8	11.7	11.7	12.3	12.9	13.2	13.5	11.9	11.0	10.1	9.3	8.2	7.6	7.4	6.8	13.5	-3.2
20	7.9	7.7	6.2	7.4	7.0	6.7	6.5	6.6	7.6	7.1	6.6	6.5	7.6	8.2	7.7	5.8	4.6	2.7	2.0	1.4	0.0	-1.6	-2.3	-4.3	4.8	8.2	-4.3
21	-4.6	-4.6	-5.5	-6.4	-7.1	-8.2	-9.2	-9.6	-6.1	-0.5	1.8	3.1	4.2	4.2	4.9	5.6	5.0	2.8	2.0	1.5	1.7	1.1	0.0	-0.4	-1.0	5.6	-9.6
22	-1.4	-2.0	-4.4	-6.8	-7.1	-7.6	-7.5	-8.5	-7.1	-3.9	-1.2	1.2	2.2	2.5	1.7	0.9	0.2	0.1	-0.1	-0.2	-0.3	-2.3	-4.7	-4.6	-2.5	2.5	-8.5
23	-4.2	-3.8	-3.4	-3.4	-4.8	-7.8	-9.7	-8.8	-7.7	-4.9	-2.4	-0.8	-0.6	-0.5	-1.0	-1.5	-4.3	-5.2	-6.0	-6.6	-7.1	-7.4	-7.4	-8.8	-4.9	-0.5	-9.7
24	-10.4	-10.9	-10.0	-9.8	-10.0	-9.1	-8.0	-7.8	-6.9	-5.5	-3.1	-1.7	-1.0	-0.6	-0.5	-0.6	-1.7	-4.1	-6.8	-7.7	-7.2	-8.2	-7.9	-8.3	-6.2	-0.5	-10.9
25	-9.7	-11.1	-10.5	-9.9	-10.2	-10.3	-9.9	-9.3	-8.8	-8.0	-7.4	-6.9	-6.1	-5.9	-6.6	-6.9	-7.1	-7.7	-8.0	-8.0	-7.9	-7.7	-7.6	-7.6	-8.3	-5.9	-11.1
26	-7.6	-7.7	-7.9	-7.5	-7.3	-7.4	-8.4	-8.3	-6.7	-5.0	-3.7	-2.6	-1.5	-1.1	-1.4	-1.5	-2.2	-3.1	-4.1	-4.7	-4.5	-4.6	-4.9	-5.3	-5.0	-1.1	-8.4
27	-4.9	-4.7	-4.7	-4.7	-4.6	-4.8	-4.6	-4.1	-3.7	-3.0	-2.6	-2.2	-1.7	-1.3	-0.7	-0.3	-0.7	-1.0	-1.3	-1.4	-1.4	-1.6	-2.1	-1.7	-2.7	-0.3	-4.9
28	-0.6	-0.4	-0.1	-0.1	-0.1	0.3	0.6	0.7	0.7	1.3	1.6	1.8	2.4	2.4	2.3	2.7	2.9	2.7	1.9	2.1	2.2	2.3	1.5	1.3	1.3	2.9	-0.6
29	1.2	1.0	1.1	1.3	1.2	2.2	2.2	1.7	2.0	3.7	3.9	6.2	8.9	9.4	9.1	7.4	6.5	6.3	6.9	6.2	3.1	2.0	1.7	5.9	4.2	9.4	1.0
30	4.9	2.4	1.5	1.8	1.4	0.4	-0.7	-0.4	0.9	5.2	9.7	11.0	12.4	12.7	11.6	12.1	11.0	7.9	5.6	4.3	3.3	2.9	2.7	2.6	5.3	12.7	-0.7
31	2.6	2.7	2.1	2.4	2.3	1.8	2.0	1.9	2.9	5.3	11.2	12.8	13.7	14.5	14.4	13.3	12.0	8.1	7.1	5.0	2.3	1.8	1.6	2.3	6.1	14.5	1.6
Avg	-1.4	-1.7	-2.0	-2.3	-2.4	-2.7	-2.8	-2.1	-0.3	2.2	4.3	5.6	6.5	6.9	7.0	6.7	6.0	4.5	2.9	1.8	0.8	-0.1	-0.9	-1.2	1.5	7.5	-5.4
Max	10.8	15.0	14.9	14.3	14.0	13.3	12.5	12.5	13.8	14.9	16.3	17.2	17.8	18.7	19.1	19.4	18.8	17.6	14.5	12.6	10.1	8.7	7.6	8.2	13.0	19.4	1.6
Min	-11.9	-12.6	-13.4	-14.8	-14.8	-16.0	-15.8	-14.3	-10.0	-8.0	-7.4	-6.9	-6.1	-5.9	-6.6	-6.9	-7.1	-7.7	-8.0	-8.0	-7.9	-8.2	-9.3	-10.0	-8.3	-5.9	-16.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
November 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.7	-0.1	0.2	1.2	1.0	0.4	-0.2	1.0	1.9	4.6	9.9	11.7	11.3	10.8	9.7	9.5	8.1	5.7	4.7	4.3	4.3	3.8	2.1	2.6	4.5	11.7	-0.2
2	3.1	2.6	2.4	2.1	1.9	1.1	1.3	0.9	1.8	3.2	4.2	5.8	5.9	5.8	5.5	6.0	5.5	4.0	3.6	0.7	-1.4	-3.1	-4.3	-5.4	2.2	6.0	-5.4
3	-5.3	-5.4	-6.3	-6.7	-7.1	-7.6	-7.7	-7.8	-5.5	-1.1	4.0	7.5	8.6	9.3	9.1	8.3	6.2	4.4	5.3	4.9	4.5	6.9	7.2	6.4	1.3	9.3	-7.8
4	6.4	6.5	5.7	5.6	5.6	5.9	6.1	6.3	6.3	7.0	7.6	8.6	8.5	9.0	9.2	9.3	8.1	7.9	7.7	7.8	7.0	6.1	3.7	2.3	6.8	9.3	2.3
5	1.2	2.0	2.0	3.0	3.6	6.4	6.7	6.5	8.8	10.6	11.2	11.7	11.9	12.7	12.9	12.3	11.6	10.8	10.2	9.8	8.9	8.0	7.6	5.6	8.2	12.9	1.2
6	1.6	0.0	-0.7	-1.2	-0.7	-1.4	-1.7	-1.7	-0.9	1.5	3.7	5.9	7.6	9.7	10.3	10.6	9.2	6.5	4.5	2.1	0.8	0.0	-0.9	-1.9	2.6	10.6	-1.9
7	-1.9	0.0	2.6	8.9	3.6	6.7	9.3	4.2	4.5	12.5	13.5	12.7	13.2	13.8	11.4	8.8	7.1	5.2	4.5	3.4	2.7	1.7	1.1	-0.7	6.2	13.8	-1.9
8	-1.7	-2.8	-3.9	-4.9	-3.2	-2.4	-1.1	-2.7	-2.3	-2.2	-1.9	-2.5	-2.5	-3.0	-3.6	-4.2	-4.4	-4.6	-4.7	-4.8	-4.8	-4.8	-4.6	-4.8	-3.4	-1.1	-4.9
9	-4.4	-4.7	-4.8	-5.1	-5.3	-5.4	-5.8	-8.5	-10.5	-11.3	-11.1	-9.5	-10.6	-11.1	-11.4	-10.5	-10.5	-10.8	-11.3	-12.2	-12.6	-12.8	-13.0	-13.4	-9.4	-4.4	-13.4
10	-13.8	-14.1	-14.3	-14.7	-15.1	-15.5	-15.9	-16.4	-16.9	-17.0	-17.0	-16.8	-16.7	-16.3	-16.2	-16.2	-16.7	-17.6	-17.4	-17.0	-16.6	-16.3	-15.9	-15.8	-16.1	-13.8	-17.6
11	-15.7	-17.4	-21.3	-23.0	-23.6	-22.3	-20.4	-19.2	-18.4	-14.6	-12.2	-10.0	-9.5	-9.1	-9.5	-9.4	-10.2	-12.4	-13.8	-15.1	-15.6	-16.3	-16.5	-17.3	-15.5	-9.1	-23.6
12	-17.2	-17.4	-18.2	-18.0	-18.9	-19.6	-19.5	-18.7	-16.6	-13.2	-10.8	-7.6	-3.6	-1.8	-1.6	-1.9	-3.6	-3.8	-3.5	-3.4	-2.5	-2.5	-3.0	-2.6	-9.6	-1.6	-19.6
13	-2.5	-3.1	-2.9	-3.4	-3.8	-4.0	-2.7	-2.7	-2.1	-0.9	0.0	0.4	0.8	0.9	0.6	0.1	-1.1	-1.2	-1.9	-1.3	-1.8	-2.9	-3.5	-3.2	-1.8	0.9	-4.0
14	-3.1	-3.1	-2.9	-3.3	-3.4	-3.5	-3.8	-4.1	-3.2	-1.8	-1.0	0.5	1.5	1.3	1.2	1.2	0.6	-0.4	-2.6	-2.7	-3.7	-5.2	-7.0	-7.4	-2.3	1.5	-7.4
15	-8.1	-9.9	-11.5	-11.8	-12.9	-13.8	-14.3	-15.5	-15.0	-11.9	-8.5	-3.9	-0.6	1.2	1.5	0.9	-1.1	-2.8	-4.9	-7.5	-8.3	-8.8	-9.1	-10.2	-7.8	1.5	-15.5
16	-10.6	-11.3	-10.5	-10.2	-9.1	-9.3	-8.9	-8.2	-8.5	-6.2	-3.0	-0.7	1.7	3.4	4.0	3.5	3.7	3.2	1.7	1.5	1.1	0.0	-1.5	-2.8	-3.2	4.0	-11.3
17	-4.4	-5.2	-6.9	-7.9	-8.1	-8.1	-8.2	-8.3	-6.7	-4.3	-1.8	3.8	5.5	6.0	5.9	5.4	4.3	1.8	0.5	0.5	2.0	0.6	-1.7	-2.1	-1.6	6.0	-8.3
18	-2.1	-2.7	-2.6	2.3	3.2	2.5	3.4	3.6	2.6	2.1	2.7	2.5	2.4	2.2	2.2	1.1	0.5	-2.7	-4.7	-6.1	-7.8	-9.7	-9.7	-9.5	-1.0	3.6	-9.7
19	-10.1	-10.2	-9.0	-9.3	-7.3	-1.1	-0.2	-0.7	1.3	2.9	4.2	4.8	5.7	6.0	6.3	6.3	5.5	4.8	4.5	5.1	5.2	5.0	5.6	6.1	1.3	6.3	-10.2
20	5.8	5.1	5.9	6.9	6.6	6.5	6.2	6.4	6.2	7.1	7.2	7.3	7.6	7.9	7.8	7.4	7.1	6.8	6.3	6.4	5.4	5.2	5.5	5.1	6.5	7.9	5.1
21	4.9	4.8	3.9	2.9	4.2	6.4	6.4	5.5	1.9	0.6	1.0	1.0	1.8	1.6	1.7	1.4	0.7	0.0	-0.1	-0.8	-2.1	-3.0	-3.6	-3.6	1.6	6.4	-3.6
22	-3.7	-4.2	-3.0	-3.2	-3.2	-3.4	-3.8	-4.2	-3.3	-2.8	-2.4	-1.9	-1.5	-1.7	-1.6	-1.5	-3.4	-5.2	-6.8	-8.3	-9.0	-9.5	-10.3	-11.7	-4.6	-1.5	-11.7
23	-12.1	-12.4	-12.3	-12.0	-11.4	-10.5	-8.5	-6.9	-5.6	-3.5	-1.7	0.4	2.1	3.1	3.8	3.6	4.2	2.3	-0.4	-0.9	-1.6	-2.2	-1.6	-1.1	-3.6	4.2	-12.4
24	-1.9	-2.3	-2.4	-2.0	-2.9	-1.5	-0.1	1.0	2.8	3.4	3.5	3.2	2.2	2.6	3.3	3.1	2.3	1.4	0.5	0.9	0.6	0.5	-0.3	0.0	0.7	3.5	-2.9
25	-0.6	-0.9	-1.4	-2.8	-3.3	-3.2	-3.2	-3.0	-2.7	-1.7	-1.6	-1.5	-1.4	-2.0	-2.5	-3.7	-4.1	-4.5	-5.1	-6.0	-6.7	-6.7	-6.9	-8.7	-3.5	-0.6	-8.7
26	-8.5	-9.1	-13.2	-15.5	-17.8	-18.5	-19.4	-20.1	-19.7	-16.7	-12.5	-9.2	-5.1	-3.4	-3.3	-3.9	-6.1	-8.5	-8.7	-10.9	-11.6	-13.4	-15.1	-15.4	-11.9	-3.3	-20.1
27	-16.1	-16.1	-15.8	-15.1	-14.5	-13.8	-12.7	-11.8	-11.0	-9.7	-6.8	-3.7	-0.2	0.7	1.0	-0.6	-3.2	-4.9	-8.0	-8.4	-8.6	-8.9	-9.8	-10.2	-8.7	1.0	-16.1
28	-10.0	-9.1	-9.0	-8.9	-8.7	-8.1	-7.4	-7.5	-8.1	-5.2	-1.6	0.9	4.6	7.2	6.8	3.8	0.9	-0.5	-2.2	-3.1	-2.8	-3.2	-2.2	-2.4	-3.2	7.2	-10.0
29	-2.3	-1.4	0.9	0.7	0.3	0.5	0.2	-0.3	-0.9	-0.4	0.9	2.7	4.4	4.9	5.7	5.7	4.9	4.2	3.0	1.6	-0.1	3.3	3.3	2.9	1.9	5.7	-2.3
30	3.3	4.7	4.7	5.4	5.2	5.1	6.4	5.7	5.9	6.0	6.0	6.3	6.1	4.9	4.4	4.0	3.3	2.0	1.1	0.5	-0.2	-0.7	-1.3	-1.7	3.6	6.4	-1.7
Avg	-4.3	-4.6	-4.8	-4.7	-4.8	-4.4	-4.0	-4.2	-3.8	-2.1	-0.5	1.0	2.1	2.6	2.5	2.0	1.0	-0.3	-1.3	-2.0	-2.5	-3.0	-3.5	-4.0	-2.0	3.5	-8.1
Max	6.4	6.5	5.9	8.9	6.6	6.7	9.3	6.5	8.8	12.5	13.5	12.7	13.2	13.8	12.9	12.3	11.6	10.8	10.2	9.8	8.9	8.0	7.6	6.4	8.2	13.8	5.1
Min	-17.2	-17.4	-21.3	-23.0	-23.6	-22.3	-20.4	-20.1	-19.7	-17.0	-17.0	-16.8	-16.7	-16.3	-16.2	-16.2	-16.7	-17.6	-17.4	-17.0	-16.6	-16.3	-16.5	-17.3	-16.1	-13.8	-23.6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
December 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-1.7	-1.1	-1.2	-1.2	-2.6	-2.6	-1.4	0.3	1.6	2.6	4.1	4.8	5.3	5.6	5.8	6.1	4.7	1.6	1.2	1.3	-0.3	-0.7	0.2	1.8	1.4	6.1	-2.6
2	2.7	3.8	4.4	5.2	5.9	6.6	6.9	6.9	7.2	7.3	7.2	7.6	7.9	8.2	8.2	6.7	2.4	0.9	1.0	0.3	-0.7	-1.6	-1.6	-1.8	4.2	8.2	-1.8
3	-1.6	-1.8	-1.9	-1.2	-1.5	-1.5	-1.4	-0.8	-1.1	-0.7	-0.3	0.9	1.4	1.7	2.1	1.8	0.9	0.5	0.2	-0.1	-0.6	-0.3	-0.6	-3.1	-0.4	2.1	-3.1
4	-4.6	-4.7	-5.5	-5.4	-4.5	-3.2	-2.8	-1.4	-1.5	-0.8	0.2	1.5	3.3	4.0	4.1	4.3	4.4	4.8	4.5	4.3	4.1	4.5	5.3	5.5	0.9	5.5	-5.5
5	5.3	5.4	5.1	5.1	5.3	5.7	6.2	6.0	5.8	6.2	6.3	5.9	5.4	5.2	3.9	2.9	1.8	0.7	-0.4	-1.3	-1.5	-2.0	-2.4	-2.9	3.2	6.3	-2.9
6	-3.1	-3.3	-3.5	-3.9	-4.1	-3.9	-3.4	-3.5	-3.7	-3.6	-2.9	-3.1	-3.3	-2.9	-2.8	-3.2	-4.2	-4.5	-4.7	-5.1	-5.2	-5.3	-5.4	-5.8	-3.9	-2.8	-5.8
7	-6.0	-6.0	-6.0	-6.1	-6.1	-5.4	-4.5	-4.4	-4.6	-4.3	-3.4	-2.8	-2.7	-2.9	-2.8	-2.7	-2.9	-2.9	-2.7	-2.8	-3.2	-3.7	-4.2	-4.3	-4.1	-2.7	-6.1
8	-4.6	-5.0	-5.3	-6.0	-6.7	-7.5	-8.4	-11.1	-12.0	-11.8	-11.6	-11.8	-11.8	-11.5	-11.9	-13.2	-14.6	-16.2	-19.2	-21.2	-23.0	-23.5	-24.7	-25.2	-13.2	-4.6	-25.2
9	-25.6	-25.9	-26.2	-26.4	-26.8	-26.7	-27.1	-24.8	-23.2	-20.2	-17.2	-14.2	-11.7	-10.1	-10.0	-10.1	-10.4	-9.7	-9.5	-9.5	-9.8	-9.4	-9.1	-8.4	-16.7	-8.4	-27.1
10	-8.0	-8.6	-10.4	-11.3	-12.2	-11.3	-10.6	-9.4	-6.9	-6.0	-5.7	-5.0	-4.4	-4.7	-4.2	-4.5	-4.5	-5.8	-7.5	-10.5	-13.1	-16.1	-18.4	-19.2	-9.1	-4.2	-19.2
11	-17.8	-15.9	-14.6	-12.3	-6.3	-4.1	-3.0	-2.8	-1.3	-1.3	-1.2	-0.4	-0.5	0.0	0.4	1.0	0.6	0.3	0.0	-1.0	-1.9	-2.1	-1.8	-1.9	-3.7	1.0	-17.8
12	-2.5	-2.6	-2.9	-3.0	-3.4	-3.7	-3.6	-3.4	-3.6	-3.5	-3.0	-2.5	-2.1	-1.2	-1.3	-2.0	-2.0	-2.9	-4.0	-4.6	-5.2	-4.8	-6.2	-6.6	-3.4	-1.2	-6.6
13	-7.4	-8.8	-8.8	-8.3	-7.6	-6.1	-6.1	-9.8	-12.5	-9.3	-5.9	-4.4	-3.9	-3.3	-4.2	-5.2	-7.2	-11.2	-13.7	-16.2	-17.1	-19.0	-19.9	-20.6	-9.9	-3.3	-20.6
14	-21.3	-21.2	-21.4	-21.4	-20.7	-20.8	-20.6	-20.1	-18.9	-16.8	-12.7	-9.6	-7.5	-4.4	-1.4	-1.2	-1.9	-2.8	-3.2	-4.6	-6.3	-8.5	-11.3	-13.3	-12.2	-1.2	-21.4
15	-14.8	-15.3	-16.3	-16.8	-16.0	-16.2	-16.9	-18.2	-18.2	-17.1	-14.4	-10.4	-5.8	-4.6	-4.5	-5.2	-8.3	-11.6	-14.3	-16.7	-17.9	-18.9	-19.7	-19.5	-14.1	-4.5	-19.7
16	-20.0	-19.2	-19.0	-18.6	-16.8	-13.5	-10.8	-9.5	-8.2	-8.9	-6.2	-4.4	-4.2	-4.0	-5.6	-6.1	-7.8	-11.2	-14.8	-12.8	-12.3	-10.5	-9.5	-9.0	-11.0	-4.0	-20.0
17	-8.3	-6.3	-5.6	-4.6	-4.0	-3.4	-3.8	-3.1	-2.5	-2.3	-1.8	-1.3	-1.6	-0.9	-0.3	-0.2	-1.5	-2.0	-2.6	-3.5	-4.1	-5.0	-5.9	-5.9	-3.4	-0.2	-8.3
18	-6.4	-6.3	-6.4	-6.6	-7.0	-7.3	-7.6	-7.9	-8.4	-8.7	-8.2	-7.6	-7.4	-7.3	-7.5	-7.6	-8.6	-10.3	-10.5	-10.5	-12.3	-12.9	-15.6	-18.0	-9.0	-6.3	-18.0
19	-19.9	-21.2	-22.5	-23.0	-21.3	-21.1	-21.7	-22.1	-22.2	-20.4	-18.8	-15.6	-9.7	-8.3	-8.1	-8.7	-11.7	-14.0	-16.3	-17.9	-19.7	-19.0	-18.8	-17.0	-17.5	-8.1	-23.0
20	-15.4	-16.7	-15.8	-15.7	-13.5	-13.5	-11.7	-11.9	-10.8	-6.6	-5.3	-2.8	-2.1	Au	Au	Au	-2.6	-3.7	-5.4	-5.8	-6.4	-7.4	-4.6	-4.7	-8.7	-2.1	-16.7
21	-5.4	-7.9	-8.3	-9.8	-11.5	-11.3	-9.9	-5.4	-6.2	-6.6	-2.6	0.6	1.1	1.3	0.5	-0.9	-3.5	-1.9	-2.0	-2.7	-2.9	-3.3	-5.0	-6.7	-4.6	1.3	-11.5
22	-7.5	-8.8	-11.4	-11.3	-12.8	-13.2	-13.9	-13.4	-12.4	-11.8	-9.2	-7.2	-4.3	1.3	1.4	1.2	-0.1	-1.9	-2.3	-3.8	-4.1	-1.8	-1.0	-1.5	-6.2	1.4	-13.9
23	-1.9	-3.2	-1.5	-3.1	-3.8	-4.8	-6.6	-6.0	-8.4	-8.4	-5.8	-2.9	-1.8	-1.6	-1.5	-2.2	-3.7	-7.3	-8.1	-10.3	-11.0	-11.1	-10.5	-8.1	-5.6	-1.5	-11.1
24	-6.5	-7.4	-6.6	-7.0	-11.8	-15.0	-16.1	-17.5	-18.2	-18.1	-17.9	-18.3	-18.4	-18.2	-18.7	-18.9	-19.1	-20.0	-20.3	-20.2	-20.2	-21.1	-22.3	-21.3	-16.6	-6.5	-22.3
25	-21.5	-20.2	-19.2	-18.6	-17.8	-17.4	-16.9	-16.6	-16.1	-15.4	-14.4	-12.8	-11.1	-9.4	-8.4	-7.6	-8.8	-13.2	-14.3	-13.3	-12.3	-11.9	-12.4	-14.9	-14.4	-7.6	-21.5
26	-14.4	-13.5	-12.9	-12.3	-11.5	-10.9	-10.3	-9.5	-9.0	-8.1	-7.2	-6.1	-5.8	-5.8	-5.8	-6.0	-6.9	-11.1	-12.8	-10.9	-10.8	-10.3	-10.0	-10.0	-9.7	-5.8	-14.4
27	-9.9	-9.7	-9.6	-9.4	-9.3	-9.1	-8.7	-8.1	-8.1	-8.1	-7.6	-7.1	-7.5	-6.5	-6.6	-6.5	-7.0	-7.6	-8.3	-12.5	-14.4	-15.2	-12.9	-10.9	-9.2	-6.5	-15.2
28	-10.3	-9.1	-8.0	-6.6	-6.3	-6.4	-6.4	-8.0	-10.4	-12.7	-10.3	-6.1	-4.8	-4.9	-4.8	-5.7	-7.4	-10.3	-13.3	-14.7	-16.6	-18.2	-19.6	-20.1	-10.0	-4.8	-20.1
29	-20.9	-21.2	-21.7	-20.9	-20.9	-20.2	-18.7	-17.4	-16.3	-16.2	-15.2	-13.6	-11.9	-10.1	-9.0	-8.4	-8.5	-9.7	-10.7	-12.2	-13.3	-14.7	-17.0	-17.9	-15.3	-8.4	-21.7
30	-17.3	-17.0	-15.1	-14.3	-14.0	-14.2	-14.2	-14.7	-14.7	-13.4	-12.5	-9.4	-8.1	-7.9	-8.2	-8.6	-9.2	-11.0	-12.8	-14.6	-16.2	-16.5	-16.3	-16.7	-13.2	-7.9	-17.3
31	-16.8	-16.3	-15.5	-15.0	-15.1	-17.8	-19.9	-20.7	-21.5	-20.8	-17.6	-11.8	-9.4	-8.8	-8.4	-8.3	-8.6	-8.9	-8.8	-8.7	-9.0	-8.9	-8.7	-8.7	-13.1	-8.3	-21.5
Avg	-10.1	-10.2	-10.1	-10.0	-9.8	-9.7	-9.5	-9.3	-9.2	-8.6	-7.1	-5.5	-4.4	-3.7	-3.7	-4.0	-5.0	-6.5	-7.6	-8.5	-9.3	-9.7	-10.0	-10.2	-8.0	-2.5	-14.9
Max	5.3	5.4	5.1	5.2	5.9	6.6	6.9	6.9	7.2	7.3	7.2	7.6	7.9	8.2	8.2	6.7	4.7	4.8	4.5	4.3	4.1	4.5	5.3	5.5	4.2	8.2	-1.8
Min	-25.6	-25.9	-26.2	-26.4	-26.8	-26.7	-27.1	-24.8	-23.2	-20.8	-18.8	-18.3	-18.4	-18.2	-18.7	-18.9	-19.1	-20.0	-20.3	-21.2	-23.0	-23.5	-24.7	-25.2	-17.5	-8.4	-27.1

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
October 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.91	1.50	1.39	1.94	1.33	1.69	1.92	0.31	-0.41	-0.50	-0.76	-0.99	-1.10	-1.04	-0.90	-0.57	-0.18	0.52	1.24	1.67	2.34	2.35	1.76	1.66	0.71	2.35	-1.10
2	1.53	0.46	0.34	0.39	0.34	0.36	0.54	0.39	-0.07	-0.43	-0.97	-1.08	-1.04	-0.94	-0.79	-0.53	-0.20	0.33	0.86	1.25	0.78	0.26	0.46	0.51	0.11	1.53	-1.08
3	0.15	0.24	0.41	0.01	-0.06	-0.05	-0.05	-0.11	-0.22	-0.36	-0.45	-0.73	-0.97	-0.84	-0.44	-0.24	-0.53	-0.10	-0.03	-0.07	-0.05	-0.04	0.04	0.18	-0.18	0.41	-0.97
4	0.86	1.30	0.89	0.02	0.06	0.05	-0.05	-0.15	-0.33	-0.46	-0.78	-1.01	-0.70	-0.34	-0.40	-0.37	-0.28	-0.14	-0.05	0.00	0.00	-0.03	-0.07	-0.05	-0.08	1.30	-1.01
5	-0.11	-0.06	-0.05	0.12	0.37	0.23	0.03	-0.12	-0.18	-0.24	-0.64	-0.78	-0.45	-0.36	-0.34	-0.49	-0.25	0.24	0.92	0.92	0.54	0.20	0.35	0.26	0.00	0.92	-0.78
6	0.76	0.94	1.18	1.22	1.04	1.57	1.37	0.60	-0.21	-0.38	-0.68	-0.80	-0.96	-1.01	-1.02	-0.47	-0.35	-0.04	0.06	0.00	-0.07	-0.06	-0.10	-0.09	0.10	1.57	-1.02
7	0.07	0.23	0.45	1.12	0.88	0.85	1.33	0.55	-0.21	-0.61	-0.78	-0.92	-1.05	-0.98	-0.86	-0.59	-0.27	0.58	1.33	0.56	0.40	0.73	1.25	1.26	0.22	1.33	-1.05
8	1.69	1.39	1.00	0.51	0.46	0.66	0.85	0.05	-0.16	-0.20	-0.16	-0.27	-0.40	-0.40	-0.15	0.02	0.09	0.08	0.10	0.10	0.08	0.07	0.00	-0.08	0.22	1.69	-0.40
9	-0.06	-0.05	-0.03	0.00	0.02	0.15	0.10	-0.01	-0.21	-0.19	-0.47	-0.85	-1.02	-0.93	-0.94	-0.71	-0.14	1.08	0.67	0.39	0.80	1.20	2.03	1.52	0.10	2.03	-1.02
10	1.93	1.66	2.25	1.93	1.95	1.76	1.69	0.97	-0.30	-0.40	-0.65	-0.91	-1.00	-0.90	-0.72	-0.60	-0.31	0.66	0.72	1.20	0.70	0.00	-0.03	-0.05	0.48	2.25	-1.00
11	-0.06	-0.10	-0.10	-0.12	-0.04	-0.02	-0.02	-0.08	-0.21	-0.34	-0.62	-0.99	-0.93	-0.57	-0.48	-0.49	-0.35	0.55	0.45	1.32	2.45	1.40	2.09	1.55	0.18	2.45	-0.99
12	1.36	1.12	1.58	1.82	2.02	1.98	2.13	1.37	-0.22	-0.20	-0.54	-0.87	-0.87	-0.87	-0.75	-0.47	0.02	1.20	1.04	0.88	1.87	2.16	2.16	1.11	0.79	2.16	-0.87
13	0.49	0.57	0.76	0.95	0.83	0.78	0.20	0.70	0.16	0.14	-0.17	-0.45	-0.40	-0.54	-0.28	-0.29	0.03	0.30	0.42	0.40	0.64	0.99	1.35	1.10	0.36	1.35	-0.54
14	1.08	1.31	2.57	1.64	1.38	1.04	0.95	0.56	0.05	-0.43	-0.63	-0.58	-0.18	-0.21	-0.13	-0.02	0.20	0.64	1.08	0.96	0.91	1.35	1.34	2.21	0.71	2.57	-0.63
15	1.57	0.99	1.47	1.45	1.44	1.18	1.66	0.97	0.50	0.17	0.00	-0.07	-0.11	-0.23	-0.01	0.08	-0.07	0.34	1.23	1.06	0.91	1.02	0.96	0.72	0.72	1.66	-0.23
16	1.05	0.67	0.95	0.85	0.79	0.61	0.60	0.64	0.29	0.05	0.03	0.14	-0.42	-0.15	-0.47	-0.22	0.01	0.19	0.18	0.08	0.14	0.14	0.12	0.20	0.27	1.05	-0.47
17	0.24	0.36	0.26	0.31	0.34	0.31	0.24	0.06	-0.08	-0.19	-0.34	-0.26	-0.31	-0.36	-0.45	-0.25	0.03	0.45	0.60	0.80	0.96	1.42	0.96	1.45	0.27	1.45	-0.45
18	1.24	1.61	0.81	1.05	0.57	0.90	0.83	0.44	-0.38	-0.39	-0.64	-0.77	-0.78	-0.71	-0.58	-0.38	0.13	1.13	1.11	0.43	0.65	0.83	1.09	1.22	0.39	1.61	-0.78
19	1.30	1.09	1.31	1.09	1.40	2.10	1.27	1.58	0.51	0.05	-0.31	-0.17	-0.10	-0.25	-0.19	-0.07	0.01	0.33	0.40	0.45	0.57	0.63	0.68	0.72	0.60	2.10	-0.31
20	0.38	0.29	0.64	0.25	0.23	0.43	0.51	0.34	-0.03	-0.18	-0.09	-0.15	-0.60	-0.60	-0.36	-0.11	-0.05	0.18	0.17	0.27	1.02	1.09	0.89	1.13	0.24	1.13	-0.60
21	1.08	0.56	0.56	0.90	0.91	0.97	1.07	0.94	-0.25	-0.43	-0.50	-0.49	-0.65	-0.45	-0.43	-0.59	-0.34	0.02	0.23	0.11	-0.03	-0.06	-0.06	0.20	0.14	1.08	-0.65
22	0.25	0.32	1.35	2.06	0.77	0.95	1.10	1.20	0.45	-0.29	-0.09	-0.04	-0.15	-0.15	-0.16	-0.10	-0.03	-0.01	-0.13	-0.07	-0.02	-0.12	-0.13	-0.03	0.29	2.06	-0.29
23	0.10	-0.03	-0.10	0.05	0.87	1.27	1.04	0.29	-0.18	-0.14	-0.30	-0.24	-0.57	-0.67	-0.49	-0.28	-0.20	-0.11	-0.09	-0.10	-0.03	-0.09	0.00	0.60	0.03	1.27	-0.67
24	0.93	0.68	0.09	0.19	0.39	0.13	0.01	-0.04	-0.17	-0.24	-0.34	-0.28	-0.39	-0.42	-0.39	-0.21	-0.03	0.32	0.51	-0.15	-0.27	-0.07	-0.22	-0.30	-0.01	0.93	-0.42
25	-0.29	0.10	-0.31	-0.25	-0.10	-0.14	-0.07	-0.12	-0.21	-0.27	-0.40	-0.52	-0.73	-0.66	-0.49	-0.37	-0.26	-0.16	-0.15	-0.09	-0.12	-0.13	-0.13	-0.12	-0.25	0.10	-0.73
26	-0.09	0.00	-0.08	-0.14	-0.11	-0.06	0.49	0.25	-0.16	-0.18	-0.30	-0.30	-0.37	-0.34	-0.20	-0.12	0.21	0.13	0.25	0.15	-0.06	0.00	0.03	-0.03	-0.04	0.49	-0.37
27	-0.10	-0.08	-0.07	-0.07	-0.04	0.12	0.01	-0.09	-0.11	-0.27	-0.18	-0.24	-0.27	-0.15	-0.18	0.05	0.26	0.24	0.05	0.00	0.05	0.23	0.55	0.43	0.01	0.55	-0.27
28	0.31	-0.02	0.03	0.00	0.05	0.05	0.10	0.05	0.08	0.09	0.05	0.18	0.22	0.13	0.23	0.17	0.71	0.78	0.44	0.29	0.47	0.38	0.54	0.18	0.23	0.78	-0.02
29	0.19	0.30	0.22	0.27	0.52	0.43	0.33	0.43	0.78	1.28	0.68	0.43	0.52	0.43	0.20	0.98	1.05	0.64	0.74	0.80	0.99	1.28	1.55	0.66	0.65	1.55	0.19
30	0.88	1.78	0.82	0.95	1.85	1.51	1.22	0.83	0.80	0.47	-0.24	-0.35	-0.49	-0.45	0.05	0.12	0.76	1.63	1.39	1.16	0.32	0.39	0.51	0.50	0.68	1.85	-0.49
31	0.46	0.55	0.60	0.39	0.34	0.60	0.55	0.74	0.28	-0.19	-0.18	-0.14	-0.26	-0.15	0.12	0.51	0.81	0.89	0.65	1.35	1.36	1.53	1.52	1.18	0.56	1.53	-0.26
Avg	0.68	0.63	0.68	0.67	0.67	0.72	0.71	0.44	-0.01	-0.17	-0.37	-0.47	-0.53	-0.49	-0.39	-0.21	0.02	0.42	0.53	0.52	0.59	0.61	0.69	0.64	0.27	1.45	-0.62
Max	1.93	1.78	2.57	2.06	2.02	2.10	2.13	1.58	0.80	1.28	0.68	0.43	0.52	0.43	0.23	0.98	1.05	1.63	1.39	1.67	2.45	2.35	2.16	2.21	0.79	2.57	0.19
Min	-0.29	-0.10	-0.31	-0.25	-0.11	-0.14	-0.07	-0.15	-0.41	-0.61	-0.97	-1.08	-1.10	-1.04	-1.02	-0.71	-0.53	-0.16	-0.15	-0.15	-0.27	-0.13	-0.22	-0.30	-0.25	0.10	-1.10

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
November 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.37	1.25	1.36	0.99	1.06	0.89	1.15	0.55	0.36	0.12	-0.09	-0.20	-0.23	-0.10	-0.06	-0.12	0.54	0.39	0.23	0.46	0.34	0.51	0.70	0.51	0.50	1.37	-0.23
2	0.30	0.34	0.21	0.25	0.37	0.48	0.29	0.37	-0.07	-0.24	-0.32	-0.64	-0.32	-0.07	0.01	-0.15	0.13	0.55	0.55	0.84	0.37	0.91	1.05	1.16	0.27	1.16	-0.64
3	0.94	0.84	1.09	1.07	1.14	1.00	1.29	1.10	-0.18	-0.33	-0.32	-0.43	-0.60	-0.58	-0.31	0.11	0.86	0.52	0.53	0.25	0.72	0.48	0.24	0.33	0.41	1.29	-0.60
4	0.28	0.25	0.42	0.45	0.48	0.46	0.36	0.28	0.18	-0.03	-0.18	-0.38	-0.22	-0.35	-0.46	-0.36	0.16	0.16	0.18	0.14	0.39	0.70	0.73	1.05	0.20	1.05	-0.46
5	1.13	0.71	1.55	1.82	2.28	0.94	0.95	0.67	0.52	0.11	-0.07	-0.20	-0.07	-0.10	-0.03	0.15	0.35	0.53	0.44	0.35	0.41	0.58	0.52	0.94	0.60	2.28	-0.20
6	1.94	0.88	0.54	0.56	0.58	0.38	0.65	0.78	0.49	-0.14	-0.15	-0.16	-0.10	-0.05	0.04	0.23	0.69	0.43	0.70	1.06	1.62	1.89	1.35	1.70	0.66	1.94	-0.16
7	1.60	2.22	1.27	0.83	1.31	1.00	0.86	1.11	1.33	-0.21	-0.43	-0.02	-0.04	-0.12	-0.08	0.03	0.10	0.19	0.24	0.33	0.20	0.32	0.34	0.83	0.55	2.22	-0.43
8	0.92	0.57	1.10	1.00	0.23	0.11	-0.01	-0.10	-0.06	-0.11	-0.08	-0.11	-0.12	-0.12	-0.06	-0.10	-0.03	-0.02	-0.02	-0.02	-0.03	-0.04	-0.04	-0.03	0.12	1.10	-0.12
9	0.01	-0.03	-0.05	-0.05	-0.05	-0.04	-0.04	-0.07	-0.13	-0.14	-0.13	-0.17	-0.10	-0.15	-0.10	-0.03	-0.03	-0.03	0.01	0.00	-0.04	-0.04	-0.06	-0.06	-0.06	0.01	-0.17
10	-0.06	-0.05	-0.07	-0.08	-0.08	-0.09	-0.06	0.02	-0.04	-0.17	-0.15	-0.20	-0.26	-0.22	-0.18	-0.12	0.06	0.17	0.06	-0.07	-0.07	-0.07	-0.06	-0.07	-0.08	0.17	-0.26
11	-0.01	1.00	2.10	2.11	1.52	0.70	1.17	1.04	0.57	0.59	-0.07	-0.10	0.01	-0.08	0.15	0.24	0.69	1.53	1.81	1.59	1.96	1.89	1.62	2.05	1.00	2.11	-0.10
12	1.93	1.85	1.34	1.41	1.57	1.78	1.45	1.11	0.35	0.04	0.13	0.64	0.06	-0.14	-0.11	0.24	0.65	0.32	0.25	0.17	0.11	0.18	0.18	0.25	0.66	1.93	-0.14
13	0.22	0.07	0.15	0.29	0.47	0.52	0.50	0.58	0.58	0.34	0.06	-0.02	-0.04	0.11	0.14	0.31	0.92	0.43	0.51	0.42	0.53	0.62	0.52	0.79	0.38	0.92	-0.04
14	0.70	0.39	0.46	0.39	0.34	0.48	0.79	0.84	0.42	0.19	0.02	0.06	0.05	0.04	0.07	0.19	0.42	0.77	0.99	1.04	1.48	1.20	1.73	1.17	0.59	1.73	0.02
15	1.15	2.29	2.10	1.37	1.91	2.00	1.66	1.91	1.45	0.64	0.33	0.20	0.25	-0.03	0.09	0.34	0.79	1.49	1.38	1.80	1.91	2.36	2.35	2.80	1.36	2.80	-0.03
16	2.68	2.42	2.87	2.86	2.69	2.17	1.63	1.16	1.13	0.54	0.10	0.35	0.62	0.49	0.42	0.94	0.43	0.22	0.14	0.18	0.37	0.43	0.88	0.96	1.11	2.87	0.10
17	1.58	1.77	1.65	1.64	1.73	1.96	1.39	1.84	1.30	0.67	0.61	0.50	0.13	0.35	0.40	0.60	0.65	0.84	0.42	1.38	1.47	1.64	1.38	1.06	1.12	1.96	0.13
18	1.71	1.38	1.78	1.19	0.80	1.06	0.92	0.93	0.17	0.09	0.10	0.17	0.11	0.14	0.41	0.72	0.73	1.33	1.58	1.21	1.03	2.14	1.14	1.52	0.93	2.14	0.09
19	1.12	1.09	1.30	1.82	1.65	1.12	0.70	0.90	0.46	0.22	0.12	0.29	0.24	0.35	0.46	0.50	0.60	0.40	0.43	0.55	0.59	0.56	0.41	0.44	0.68	1.82	0.12
20	0.59	0.90	0.79	0.57	0.55	0.55	0.49	0.58	0.27	0.55	0.56	0.60	0.59	0.49	0.52	0.53	0.53	0.54	0.51	0.42	0.75	0.81	0.72	0.76	0.59	0.90	0.27
21	0.72	0.72	1.45	1.06	0.78	0.55	0.52	0.35	0.17	0.08	0.12	0.04	-0.04	-0.04	-0.04	0.14	0.31	0.46	0.22	0.19	0.38	0.37	0.43	0.36	0.39	1.45	-0.04
22	0.45	0.23	0.11	0.03	0.04	0.05	0.15	0.22	0.00	-0.12	-0.16	-0.27	-0.32	-0.11	-0.07	-0.10	0.74	0.93	1.06	0.09	0.09	0.00	0.04	0.53	0.15	1.06	-0.32
23	0.49	0.55	0.68	0.62	0.66	0.52	0.03	-0.04	-0.06	-0.01	-0.10	-0.11	-0.14	-0.05	-0.04	0.30	0.54	0.73	0.32	0.42	0.34	0.80	0.39	0.37	0.30	0.80	-0.14
24	0.23	0.15	0.63	0.96	1.13	0.84	1.13	0.90	0.32	0.05	0.05	0.10	-0.02	0.07	0.12	0.20	0.19	0.40	0.57	0.21	0.32	0.33	0.32	0.27	0.39	1.13	-0.02
25	0.33	0.37	0.22	0.65	0.22	0.26	0.40	0.53	0.20	-0.17	-0.16	-0.33	-0.31	-0.21	-0.20	-0.13	-0.03	0.00	0.13	0.47	0.55	0.55	0.62	1.10	0.21	1.10	-0.33
26	0.56	1.08	2.24	1.65	2.09	1.82	1.79	1.61	1.08	0.37	-0.18	-0.25	-0.25	-0.42	-0.23	0.10	0.64	0.63	0.40	0.97	0.91	1.14	1.66	1.49	0.87	2.24	-0.42
27	1.41	1.27	1.12	0.78	0.87	0.65	0.60	0.66	0.41	0.15	-0.24	-0.16	-0.34	-0.02	0.00	0.70	0.66	0.37	1.23	1.08	1.03	1.22	1.08	1.48	0.67	1.48	-0.34
28	1.22	0.99	0.93	1.07	1.05	0.85	0.52	0.81	1.04	0.13	-0.16	-0.30	-0.36	-0.20	0.16	0.89	0.46	0.30	0.67	0.80	0.84	0.92	0.54	0.86	0.58	1.22	-0.36
29	0.92	0.82	0.12	0.14	0.04	-0.01	0.15	0.29	0.46	0.03	0.01	0.24	0.23	0.43	0.42	0.47	0.72	1.04	1.19	1.21	1.66	0.91	0.71	0.95	0.55	1.66	-0.01
30	0.90	0.65	0.53	0.59	0.54	0.47	0.64	0.62	0.49	0.51	0.49	0.32	0.38	0.35	0.36	0.38	0.28	0.56	0.25	0.28	0.24	0.39	0.59	0.63	0.48	0.90	0.24
Avg	0.91	0.90	1.00	0.93	0.93	0.78	0.74	0.72	0.44	0.13	-0.01	-0.02	-0.04	-0.01	0.06	0.24	0.46	0.54	0.57	0.59	0.68	0.79	0.74	0.87	0.54	1.49	-0.15
Max	2.68	2.42	2.87	2.86	2.69	2.17	1.79	1.91	1.45	0.67	0.61	0.64	0.62	0.49	0.52	0.94	0.92	1.53	1.81	1.80	1.96	2.36	2.35	2.80	1.36	2.87	0.27
Min	-0.06	-0.05	-0.07	-0.08	-0.08	-0.09	-0.06	-0.10	-0.18	-0.33	-0.43	-0.64	-0.60	-0.58	-0.46	-0.36	-0.03	-0.03	-0.02	-0.07	-0.07	-0.07	-0.06	-0.07	-0.08	0.01	-0.64

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
December 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.43	0.34	0.71	0.98	1.20	1.11	0.52	0.81	0.56	0.64	0.09	0.08	0.17	0.24	0.35	0.38	0.44	0.22	0.33	0.58	1.02	0.37	0.24	0.46	0.51	1.20	0.08
2	0.51	0.87	0.95	0.73	0.64	0.68	0.56	0.56	0.48	0.48	0.44	0.46	0.45	0.42	0.42	0.40	0.21	0.12	0.23	0.35	0.43	0.44	0.50	0.48	0.49	0.95	0.12
3	0.49	0.42	0.43	0.32	0.33	0.30	0.30	0.14	0.28	0.11	0.08	-0.04	-0.07	0.04	-0.02	0.13	0.34	0.37	0.47	0.63	0.71	0.59	0.67	1.01	0.33	1.01	-0.07
4	0.90	0.80	0.40	0.40	0.60	0.32	0.29	0.15	-0.01	-0.02	0.03	0.04	0.06	0.10	0.26	0.29	0.42	0.53	0.46	0.44	0.49	0.38	0.55	0.51	0.35	0.90	-0.02
5	0.41	0.38	0.40	0.43	0.44	0.41	0.50	0.42	0.39	0.28	0.25	0.16	0.00	-0.02	0.02	0.16	0.29	0.33	0.51	0.63	0.39	0.20	0.16	0.21	0.31	0.63	-0.02
6	0.26	0.33	0.39	0.32	0.34	0.04	0.05	0.09	0.04	-0.10	-0.31	-0.22	-0.20	-0.20	-0.13	-0.09	-0.08	-0.11	-0.10	-0.10	-0.05	0.09	0.23	0.32	0.03	0.39	-0.31
7	0.37	0.37	0.49	0.12	0.27	0.30	0.15	0.09	0.13	0.04	-0.17	-0.25	-0.11	0.01	0.01	0.07	0.23	0.24	0.13	0.17	0.03	0.00	0.01	0.00	0.11	0.49	-0.25
8	0.01	0.12	0.14	0.07	0.00	-0.03	-0.04	-0.03	-0.06	-0.09	-0.08	-0.06	-0.13	-0.12	-0.01	0.15	0.57	0.67	1.45	1.43	1.46	1.57	1.72	1.42	0.42	1.72	-0.13
9	2.03	1.65	1.87	1.44	1.64	1.82	1.65	0.86	0.28	-0.03	0.07	0.30	0.16	-0.11	0.00	-0.03	0.17	0.09	0.08	0.12	0.34	0.33	0.29	0.08	0.63	2.03	-0.11
10	-0.03	0.28	1.32	1.47	1.72	0.36	0.04	0.10	0.09	0.02	-0.05	-0.03	0.09	0.33	0.20	0.19	0.21	0.66	0.97	1.95	1.39	1.50	1.94	2.23	0.71	2.23	-0.05
11	1.37	0.56	0.02	0.58	0.64	0.62	0.32	0.36	0.16	0.24	0.40	0.23	0.23	0.32	0.22	0.23	0.43	0.38	0.54	0.95	0.62	0.71	0.25	0.18	0.44	1.37	0.02
12	0.20	0.10	0.15	0.08	0.18	0.46	0.21	0.11	0.23	0.02	-0.03	-0.11	-0.14	-0.01	0.05	0.11	0.10	0.37	0.81	0.60	0.63	0.31	0.70	0.68	0.24	0.81	-0.14
13	0.83	1.17	0.88	0.50	0.31	0.50	1.17	1.98	1.83	0.96	0.65	0.56	0.34	0.27	0.95	1.29	0.82	1.83	1.78	1.97	1.78	2.72	2.48	2.52	1.25	2.72	0.27
14	3.25	2.17	2.37	2.15	2.08	2.41	2.67	2.50	1.96	1.48	0.60	0.73	0.49	0.03	-0.03	0.12	0.33	0.50	0.43	0.82	1.63	1.33	1.50	1.23	1.36	3.25	-0.03
15	1.49	1.79	1.68	1.47	1.08	1.24	1.41	2.26	1.25	0.99	0.50	0.33	0.45	0.08	0.15	0.63	1.86	1.70	2.04	3.12	2.91	2.97	2.58	2.17	1.51	3.12	0.08
16	2.61	2.29	2.29	2.50	1.78	1.18	0.73	0.83	0.66	1.77	0.63	0.17	0.14	0.12	0.11	0.46	1.08	1.51	2.14	0.71	1.50	1.59	1.51	0.82	1.21	2.61	0.11
17	1.07	0.48	0.25	0.12	0.12	0.06	0.02	0.06	0.11	0.15	0.19	0.27	0.09	-0.02	0.07	0.15	0.23	0.32	0.33	0.37	0.23	0.43	0.54	0.30	0.25	1.07	-0.02
18	0.31	0.22	0.15	0.11	0.13	0.19	0.19	0.18	0.23	0.23	0.13	0.01	0.01	0.02	0.05	0.17	0.46	0.93	1.00	0.65	0.89	0.83	1.38	0.74	0.38	1.38	0.01
19	1.04	1.15	1.34	1.20	0.65	0.92	1.64	1.62	0.90	0.44	0.95	1.24	0.52	0.10	0.04	0.36	1.85	1.71	0.84	1.23	1.57	1.48	2.00	1.53	1.10	2.00	0.04
20	1.31	2.12	0.97	1.78	1.59	1.42	1.20	1.12	1.03	0.23	0.10	0.09	0.04	Au	Au	Au	0.69	0.84	1.07	1.70	1.62	1.86	1.72	1.41	1.14	2.12	0.04
21	0.99	0.62	0.62	0.85	1.50	1.45	1.65	1.31	0.72	1.64	0.61	0.15	0.25	0.35	0.64	1.34	1.55	0.85	0.66	0.47	0.34	0.69	0.92	1.35	0.90	1.65	0.15
22	0.76	0.98	1.75	1.32	1.83	1.62	2.12	1.41	1.44	1.40	0.97	1.35	1.84	0.54	0.64	0.64	0.72	0.74	1.19	0.64	1.20	0.88	0.48	0.80	1.14	2.12	0.48
23	0.73	0.83	0.38	0.11	0.21	0.81	1.40	0.78	1.08	1.44	1.28	0.18	0.05	0.04	0.24	0.56	0.79	0.80	0.34	0.91	1.14	1.28	0.95	1.26	0.73	1.44	0.04
24	0.12	-0.05	-0.02	-0.03	-0.09	-0.16	-0.19	-0.20	-0.16	-0.25	-0.25	-0.29	-0.36	-0.34	-0.30	-0.21	-0.17	-0.16	-0.12	-0.10	-0.03	0.40	0.68	0.31	-0.08	0.68	-0.36
25	0.61	-0.12	-0.12	-0.12	-0.12	-0.10	-0.10	-0.11	-0.12	-0.14	-0.23	-0.28	-0.29	-0.13	0.27	0.32	0.68	2.40	1.85	0.93	0.57	0.28	0.80	2.13	0.37	2.40	-0.29
26	1.27	0.99	0.69	0.76	0.17	0.08	0.35	0.33	0.30	0.13	-0.03	-0.16	-0.10	-0.19	-0.11	0.19	0.42	1.10	0.72	0.17	0.08	0.02	0.02	0.08	0.30	1.27	-0.19
27	0.12	0.10	0.14	0.09	0.13	0.08	0.26	0.08	0.12	0.14	-0.12	-0.19	0.30	0.14	0.32	0.29	0.52	0.67	0.71	2.33	2.19	2.13	1.11	1.01	0.53	2.33	-0.19
28	1.89	1.05	0.35	0.19	0.16	0.16	0.16	0.78	1.20	2.39	0.89	0.19	-0.01	0.09	0.16	0.54	0.98	2.67	0.98	1.14	1.59	1.81	2.04	2.02	0.98	2.67	-0.01
29	2.11	1.47	2.19	1.38	1.85	1.55	1.56	1.73	1.21	1.08	1.16	0.69	0.59	0.63	1.05	1.10	0.86	0.61	0.45	0.73	0.87	1.25	1.58	1.61	1.22	2.19	0.45
30	1.33	0.60	0.12	0.08	0.17	0.50	0.48	0.72	0.48	-0.04	-0.06	0.04	-0.15	-0.11	0.14	0.49	0.53	1.09	1.41	1.90	1.57	1.17	1.16	1.24	0.62	1.90	-0.15
31	1.09	0.94	0.58	0.38	0.76	2.11	2.73	2.03	2.13	1.66	2.04	0.04	-0.10	-0.03	-0.06	-0.04	-0.03	0.00	-0.01	-0.01	0.20	0.14	0.08	0.05	0.69	2.73	-0.10
Avg	0.96	0.81	0.77	0.70	0.72	0.72	0.77	0.74	0.61	0.56	0.35	0.18	0.15	0.09	0.19	0.35	0.56	0.77	0.76	0.88	0.95	0.96	0.99	0.97	0.65	1.72	-0.02
Max	3.25	2.29	2.37	2.50	2.08	2.41	2.73	2.50	2.13	2.39	2.04	1.35	1.84	0.63	1.05	1.34	1.86	2.67	2.14	3.12	2.91	2.97	2.58	2.52	1.51	3.25	0.48
Min	-0.03	-0.12	-0.12	-0.12	-0.12	-0.16	-0.19	-0.20	-0.16	-0.25	-0.31	-0.29	-0.36	-0.34	-0.30	-0.21	-0.17	-0.16	-0.12	-0.10	-0.05	0.00	0.01	0.00	-0.08	0.39	-0.36

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
October 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0	0.0	0.0	0.0	0.0	0.0	17.9	158.7	317.5	423.3	488.2	568.8	614.8	599.7	516.7	358.2	190.1	22.5	1.0	0.0	0.0	0.0	0.0	0.0	178.2	614.8	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	9.2	58.4	157.5	344.6	625.0	669.2	667.0	606.1	522.1	380.6	209.6	52.0	0.3	0.0	0.0	0.0	0.0	0.0	179.2	669.2	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	3.5	40.9	115.4	159.3	288.8	616.8	708.3	450.1	226.5	106.1	262.3	28.8	0.0	0.0	0.0	0.0	0.0	0.0	125.3	708.3	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	5.6	77.4	181.4	153.3	291.9	569.1	253.4	98.9	180.4	112.8	51.4	9.7	0.0	0.0	0.0	0.0	0.0	0.0	82.7	569.1	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	2.3	16.2	41.8	115.7	469.5	466.3	217.3	125.4	148.3	287.7	168.1	30.3	0.0	0.0	0.0	0.0	0.0	0.0	87.0	469.5	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	7.8	69.8	257.5	355.0	575.2	630.0	640.1	598.5	502.6	196.1	118.3	11.0	0.0	0.0	0.0	0.0	0.0	0.0	165.1	640.1	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	4.1	115.8	271.5	453.3	556.2	591.9	626.9	576.2	479.8	320.9	197.2	23.3	0.0	0.0	0.0	0.0	0.0	0.0	175.7	626.9	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	5.3	46.9	106.6	88.0	59.8	97.6	164.0	156.7	44.1	26.9	11.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	33.7	164.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	1.7	28.3	75.2	174.2	443.9	609.7	616.9	576.0	484.8	331.2	140.2	16.0	0.0	0.0	0.0	0.0	0.0	0.0	145.8	616.9	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	4.5	104.8	272.0	418.0	523.3	589.7	601.9	563.9	418.3	326.8	170.3	26.9	0.0	0.0	0.0	0.0	0.0	0.0	167.5	601.9	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	1.4	21.1	54.7	95.1	208.8	311.8	374.8	396.4	450.1	319.9	171.0	26.6	0.0	0.0	0.0	0.0	0.0	0.0	101.3	450.1	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	3.4	89.6	280.2	432.7	542.2	607.6	613.9	561.7	464.1	326.1	164.8	10.4	0.0	0.0	0.0	0.0	0.0	0.0	170.7	613.9	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	1.1	17.6	28.5	57.9	217.7	363.4	313.6	383.4	209.7	251.7	93.9	8.3	0.0	0.0	0.0	0.0	0.0	0.0	81.1	383.4	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	4.6	47.7	182.3	404.2	477.2	328.3	92.7	110.7	79.5	65.2	34.1	3.2	0.0	0.0	0.0	0.0	0.0	0.0	76.2	477.2	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.5	14.1	22.3	54.2	76.6	108.6	205.4	286.7	96.3	43.9	104.0	17.2	0.0	0.0	0.0	0.0	0.0	0.0	42.9	286.7	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	8.3	56.2	97.1	138.1	492.9	422.6	499.4	278.3	133.5	5.4	0.0	0.0	0.0	0.0	0.0	0.0	89.1	499.4	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	1.4	28.6	82.4	156.7	267.1	169.5	213.7	234.4	282.6	170.1	42.9	9.5	0.0	0.0	0.0	0.0	0.0	0.0	69.1	282.6	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	3.0	81.2	253.0	390.8	498.3	561.9	554.2	501.9	391.8	269.2	82.8	7.3	0.0	0.0	0.0	0.0	0.0	0.0	149.8	561.9	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.8	34.1	117.5	132.8	279.6	152.4	107.6	239.4	204.4	143.1	116.2	9.8	0.0	0.0	0.0	0.0	0.0	0.0	64.1	279.6	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	1.1	47.7	123.8	123.7	62.5	98.3	392.2	375.8	232.8	83.7	54.8	7.3	0.0	0.0	0.0	0.0	0.0	0.0	66.8	392.2	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.7	46.1	242.6	396.9	506.0	567.3	541.4	410.4	361.3	324.4	164.9	7.4	0.0	0.0	0.0	0.0	0.0	0.0	148.7	567.3	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2	39.2	62.1	130.8	188.5	165.6	85.8	61.8	34.8	14.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	33.2	188.5	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0	100.8	210.6	430.8	525.4	532.6	460.7	259.4	79.6	10.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	109.7	532.6	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.2	56.0	133.2	463.1	514.8	554.5	540.5	424.0	253.4	110.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	127.6	554.5	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7	67.3	172.2	220.2	345.8	596.0	373.3	170.8	101.8	35.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	87.7	596.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.1	21.7	84.7	163.2	254.4	393.5	421.7	328.4	207.5	152.3	32.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	85.9	421.7	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	22.3	42.5	62.9	69.4	59.1	101.4	172.3	77.5	22.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	26.6	172.3	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	61.7	110.8	155.4	145.3	153.9	109.3	127.3	97.6	24.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	41.5	155.4	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	21.5	46.1	79.6	282.2	342.1	233.7	145.0	75.4	25.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.3	342.1	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	54.1	226.4	435.4	449.8	619.6	446.9	102.7	115.2	44.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	104.5	619.6	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.2	14.1	69.7	209.6	346.2	230.3	285.9	233.4	124.1	98.6	45.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	69.1	346.2	0.0
Avg	0.0	0.0	0.0	0.0	0.0	0.0	2.6	41.6	121.6	205.2	326.9	385.8	411.1	360.9	277.1	187.4	98.3	11.1	0.0	0.0	0.0	0.0	0.0	0.0	101.2	464.6	0.0
Max	0.0	0.0	0.0	0.0	0.0	0.0	17.9	158.7	317.5	453.3	625.0	669.2	708.3	606.1	522.1	380.6	262.3	52.0	1.0	0.0	0.0	0.0	0.0	0.0	179.2	708.3	0.0
Min	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	8.3	42.5	59.8	69.4	59.1	85.8	44.1	26.9	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.6	155.4	0.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
November 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.4	50.6	88.9	256.7	209.8	205.6	106.8	79.7	121.9	27.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.9	256.7	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8	141.5	222.7	282.6	384.6	200.9	56.4	38.6	107.5	32.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	61.9	384.6	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.5	201.0	283.2	416.3	439.3	461.0	438.3	248.9	91.9	22.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	109.4	461.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6	79.8	98.8	144.8	263.9	157.6	239.5	287.5	221.7	15.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.6	287.5	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	34.0	82.6	128.2	194.0	111.2	172.5	138.7	53.2	12.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	38.8	194.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8	89.5	130.9	139.8	151.3	156.0	171.1	153.2	105.4	33.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	47.9	171.1	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.3	163.9	308.8	441.0	156.7	158.5	169.7	129.6	54.2	33.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.9	441.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	14.0	20.5	27.4	29.3	45.4	78.0	51.9	51.0	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.7	78.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	19.3	45.5	82.4	146.3	126.0	175.9	146.1	83.8	19.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.3	175.9	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	62.3	203.6	338.1	440.5	371.7	214.5	149.1	97.8	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.6	440.5	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2	70.2	183.3	228.8	485.7	306.2	300.7	121.1	187.4	40.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.7	485.7	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	50.6	126.3	222.7	193.9	380.0	234.8	182.3	86.6	18.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.7	380.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	125.7	286.6	380.8	292.0	365.4	194.5	104.3	39.9	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.2	380.8	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	43.0	94.4	119.6	160.5	163.0	155.4	176.9	111.9	26.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.9	176.9	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	68.1	275.4	385.7	435.3	438.3	393.7	300.7	178.3	35.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	104.9	438.3	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	109.6	247.0	296.7	211.1	157.8	137.6	132.4	72.4	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.6	296.7	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	96.3	259.2	356.4	406.6	423.9	369.2	244.1	137.2	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	96.5	423.9	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	35.2	125.6	336.5	350.5	337.2	262.7	224.9	101.6	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	74.6	350.5	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	91.4	195.1	325.0	332.4	363.9	259.7	287.1	139.1	22.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84.3	363.9	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	44.5	190.6	143.8	128.6	155.5	188.2	109.3	57.6	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.0	190.6	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	9.7	9.1	35.4	129.3	133.7	50.6	44.3	29.7	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7	133.7	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	72.5	214.9	138.1	168.1	201.1	97.0	110.8	131.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.1	214.9	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	42.8	79.5	136.1	199.9	218.8	166.0	166.0	92.4	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.5	218.8	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	40.6	107.2	74.1	32.2	110.2	139.2	161.4	46.4	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	161.4	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	124.5	205.1	105.5	256.9	148.3	103.6	66.7	25.7	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.6	256.9	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	49.8	98.8	150.7	217.5	370.1	322.0	159.2	76.7	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.8	370.1	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	44.4	126.6	238.2	301.7	279.1	214.8	140.1	48.8	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.5	301.7	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	50.3	196.3	300.1	356.9	380.5	304.2	187.7	60.8	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.0	380.5	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	28.7	190.8	166.8	183.1	171.8	111.1	106.1	67.4	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.0	190.8	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	16.7	39.0	69.5	45.8	41.8	31.4	19.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	69.5	0.0
Avg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	68.8	157.1	214.6	244.2	238.2	195.7	149.3	90.0	17.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.6	289.2	0.0
Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.4	201.0	308.8	441.0	485.7	461.0	438.3	300.7	221.7	40.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	109.4	485.7	0.0
Min	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	9.1	27.4	29.3	45.4	41.8	31.4	19.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	69.5	0.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
December 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	15.9	117.9	266.1	241.2	180.0	136.1	73.0	81.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.5	266.1	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	16.9	28.2	42.4	43.2	41.6	32.1	14.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	43.2	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	32.1	56.5	226.8	385.0	335.2	218.0	306.7	135.1	21.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.6	385.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8	36.1	48.1	50.0	177.0	163.4	80.1	19.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.6	177.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	31.4	96.0	101.6	90.3	245.0	338.6	214.7	129.0	17.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.7	338.6	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	26.6	118.9	142.0	63.9	52.9	61.8	39.3	16.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.9	142.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	22.2	126.7	307.6	391.4	251.6	114.1	79.6	41.6	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.0	391.4	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.2	56.4	103.8	211.1	376.8	294.3	182.5	66.2	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.3	376.8	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	25.5	117.7	278.1	191.6	206.1	352.8	172.6	56.3	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.7	352.8	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	37.0	112.5	246.6	364.7	166.7	93.6	64.4	16.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.3	364.7	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.9	53.7	65.7	65.2	89.5	67.2	77.5	35.8	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.2	89.5	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	34.3	58.8	66.1	71.2	98.1	95.5	35.6	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.8	98.1	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	32.9	124.5	176.4	358.5	371.7	327.4	245.2	131.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	74.2	371.7	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	77.2	145.5	329.6	251.0	296.6	104.6	39.4	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.9	329.6	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.4	89.6	209.0	273.5	364.2	328.9	267.5	136.1	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.8	364.2	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	102.1	154.1	337.8	371.7	339.3	126.7	48.5	16.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.7	371.7	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.8	98.3	157.7	159.6	150.2	217.5	104.6	101.1	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.8	217.5	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1	72.3	251.2	401.7	389.4	300.4	230.0	158.1	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.8	401.7	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	23.8	82.0	164.5	184.9	331.6	331.4	275.8	129.7	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.0	331.6	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.2	90.9	251.3	340.3	378.4	Au	Au	Au	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.6	378.4	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.4	99.0	182.4	239.6	261.9	234.6	164.2	84.7	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.1	261.9	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	18.6	68.6	129.5	135.2	161.8	164.9	88.5	38.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.7	164.9	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.7	146.2	268.8	342.9	352.4	319.8	228.0	99.8	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.2	352.4	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.3	92.2	124.2	154.8	231.2	161.0	100.3	45.2	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.0	231.2	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	22.9	73.6	138.0	171.3	206.1	278.2	186.1	144.9	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.6	278.2	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.6	46.7	105.9	159.4	125.3	119.2	102.1	44.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.1	159.4	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	60.5	186.3	239.0	261.2	256.4	172.3	108.4	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.5	261.2	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.7	196.8	286.2	323.5	483.3	352.4	270.2	94.0	14.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	86.2	483.3	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	17.9	85.3	170.1	137.5	141.5	164.3	144.6	57.7	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.6	170.1	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	35.9	72.1	94.8	140.9	160.2	161.5	114.5	15.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	161.5	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.5	141.2	304.1	292.8	201.9	166.9	109.8	45.4	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.2	304.1	0.0
Avg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	21.7	85.5	168.3	216.8	244.2	219.1	151.0	77.2	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.4	278.1	0.0
Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	46.7	196.8	307.6	401.7	483.3	352.8	306.7	158.1	21.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	86.2	483.3	0.0
Min	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	16.9	28.2	42.4	43.2	41.6	32.1	14.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	43.2	0.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
October 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.61	24.61	24.60	24.60	24.59	24.58	24.58	24.58	24.58	24.57	24.55	24.52	24.49	24.47	24.44	24.41	24.40	24.39	24.37	24.36	24.34	24.32	24.31	24.30	24.48	24.61	24.30
2	24.28	24.28	24.26	24.25	24.25	24.25	24.25	24.26	24.26	24.26	24.24	24.23	24.21	24.20	24.19	24.18	24.19	24.20	24.21	24.22	24.23	24.23	24.25	24.26	24.23	24.28	24.18
3	24.29	24.29	24.29	24.32	24.37	24.39	24.41	24.44	24.48	24.52	24.54	24.57	24.58	24.59	24.60	24.62	24.63	24.64	24.64	24.64	24.64	24.64	24.63	24.61	24.52	24.64	24.29
4	24.59	24.59	24.59	24.58	24.56	24.55	24.55	24.55	24.56	24.55	24.54	24.54	24.53	24.52	24.52	24.53	24.53	24.54	24.54	24.54	24.54	24.54	24.54	24.54	24.55	24.59	24.52
5	24.53	24.54	24.53	24.53	24.53	24.53	24.54	24.54	24.55	24.57	24.58	24.58	24.57	24.56	24.56	24.57	24.58	24.58	24.58	24.60	24.60	24.60	24.60	24.60	24.56	24.60	24.53
6	24.60	24.60	24.58	24.58	24.58	24.57	24.56	24.56	24.55	24.54	24.54	24.53	24.52	24.50	24.49	24.49	24.49	24.48	24.48	24.48	24.48	24.47	24.46	24.45	24.52	24.60	24.45
7	24.45	24.43	24.42	24.41	24.41	24.41	24.41	24.40	24.40	24.40	24.38	24.37	24.36	24.34	24.33	24.32	24.30	24.30	24.29	24.29	24.30	24.30	24.29	24.29	24.36	24.45	24.29
8	24.29	24.29	24.27	24.27	24.26	24.26	24.26	24.27	24.28	24.27	24.27	24.28	24.27	24.27	24.27	24.26	24.27	24.28	24.30	24.32	24.34	24.36	24.36	24.36	24.29	24.36	24.26
9	24.36	24.36	24.37	24.36	24.37	24.38	24.38	24.39	24.41	24.42	24.43	24.42	24.42	24.41	24.40	24.40	24.39	24.39	24.39	24.39	24.38	24.38	24.37	24.37	24.39	24.43	24.36
10	24.36	24.36	24.35	24.34	24.34	24.34	24.34	24.34	24.34	24.34	24.34	24.33	24.31	24.29	24.28	24.28	24.29	24.30	24.32	24.34	24.36	24.38	24.39	24.39	24.34	24.39	24.28
11	24.40	24.40	24.41	24.41	24.41	24.42	24.42	24.43	24.44	24.45	24.44	24.45	24.43	24.41	24.40	24.38	24.37	24.36	24.34	24.34	24.33	24.33	24.32	24.31	24.39	24.45	24.31
12	24.30	24.29	24.28	24.26	24.26	24.25	24.25	24.24	24.25	24.25	24.23	24.22	24.20	24.19	24.18	24.17	24.17	24.18	24.19	24.20	24.21	24.22	24.23	24.24	24.23	24.30	24.17
13	24.24	24.25	24.25	24.26	24.27	24.28	24.29	24.31	24.33	24.36	24.37	24.37	24.35	24.36	24.37	24.38	24.39	24.41	24.43	24.45	24.46	24.46	24.46	24.46	24.36	24.46	24.24
14	24.46	24.47	24.48	24.49	24.48	24.48	24.48	24.49	24.50	24.50	24.48	24.47	24.46	24.44	24.43	24.42	24.40	24.38	24.36	24.35	24.33	24.32	24.30	24.29	24.43	24.50	24.29
15	24.28	24.28	24.27	24.26	24.24	24.23	24.24	24.25	24.26	24.27	24.26	24.26	24.25	24.24	24.24	24.24	24.25	24.24	24.25	24.24	24.24	24.22	24.19	24.16	24.24	24.28	24.16
16	24.13	24.12	24.09	24.04	24.01	23.98	23.95	23.91	23.92	23.93	23.92	23.92	23.91	23.89	23.93	23.96	23.99	24.01	24.04	24.07	24.09	24.12	24.15	24.15	24.01	24.15	23.89
17	24.17	24.19	24.22	24.23	24.23	24.23	24.23	24.25	24.26	24.26	24.27	24.27	24.28	24.28	24.30	24.32	24.34	24.36	24.38	24.40	24.41	24.43	24.44	24.46	24.30	24.46	24.17
18	24.47	24.47	24.48	24.48	24.48	24.49	24.49	24.49	24.50	24.50	24.49	24.47	24.46	24.46	24.45	24.44	24.44	24.43	24.42	24.41	24.39	24.38	24.36	24.35	24.45	24.50	24.35
19	24.32	24.31	24.28	24.26	24.25	24.23	24.23	24.23	24.22	24.22	24.21	24.20	24.18	24.14	24.12	24.13	24.12	24.11	24.11	24.08	24.08	24.08	24.07	24.07	24.18	24.32	24.07
20	24.05	24.03	24.02	24.01	24.01	24.00	24.00	24.00	24.02	24.02	24.02	24.01	24.01	23.99	24.01	24.04	24.07	24.08	24.11	24.13	24.13	24.14	24.14	24.15	24.05	24.15	23.99
21	24.15	24.15	24.16	24.17	24.18	24.19	24.19	24.21	24.21	24.22	24.21	24.20	24.19	24.18	24.18	24.17	24.18	24.17	24.17	24.17	24.17	24.18	24.18	24.17	24.18	24.22	24.15
22	24.16	24.17	24.16	24.17	24.17	24.16	24.15	24.15	24.14	24.13	24.10	24.08	24.04	24.02	24.01	23.99	23.98	23.97	23.96	23.97	23.96	23.97	23.99	23.97	24.07	24.17	23.96
23	23.97	24.00	24.02	24.03	24.03	24.05	24.07	24.09	24.09	24.10	24.11	24.11	24.10	24.11	24.10	24.09	24.10	24.11	24.15	24.18	24.19	24.20	24.21	24.23	24.10	24.23	23.97
24	24.24	24.25	24.24	24.25	24.26	24.26	24.27	24.28	24.28	24.29	24.30	24.30	24.29	24.28	24.29	24.30	24.31	24.31	24.34	24.36	24.37	24.38	24.39	24.39	24.30	24.39	24.24
25	24.39	24.40	24.41	24.41	24.41	24.42	24.43	24.44	24.45	24.46	24.46	24.47	24.48	24.48	24.49	24.51	24.52	24.54	24.56	24.56	24.56	24.57	24.56	24.57	24.48	24.57	24.39
26	24.57	24.55	24.55	24.53	24.53	24.54	24.53	24.52	24.51	24.49	24.47	24.46	24.43	24.41	24.40	24.38	24.37	24.36	24.36	24.35	24.34	24.33	24.32	24.31	24.44	24.57	24.31
27	24.31	24.30	24.30	24.29	24.29	24.29	24.29	24.29	24.29	24.29	24.30	24.30	24.29	24.29	24.29	24.29	24.29	24.28	24.29	24.29	24.28	24.27	24.26	24.25	24.29	24.31	24.25
28	24.24	24.24	24.22	24.21	24.21	24.20	24.20	24.21	24.22	24.22	24.23	24.23	24.22	24.21	24.22	24.22	24.23	24.23	24.23	24.24	24.25	24.26	24.27	24.28	24.23	24.28	24.20
29	24.28	24.28	24.27	24.27	24.26	24.26	24.25	24.25	24.26	24.27	24.27	24.28	24.27	24.27	24.28	24.29	24.29	24.31	24.33	24.34	24.34	24.34	24.35	24.37	24.29	24.37	24.25
30	24.37	24.37	24.37	24.36	24.37	24.36	24.36	24.36	24.38	24.39	24.38	24.37	24.35	24.34	24.33	24.32	24.32	24.31	24.31	24.31	24.32	24.32	24.33	24.34	24.35	24.39	24.31
31	24.35	24.35	24.36	24.35	24.35	24.35	24.35	24.36	24.37	24.38	24.38	24.37	24.35	24.33	24.32	24.32	24.31	24.30	24.30	24.28	24.27	24.26	24.25	24.24	24.33	24.38	24.24
Avg	24.33	24.33	24.33	24.32	24.32	24.32	24.32	24.33	24.33	24.34	24.33	24.33	24.32	24.31	24.30	24.30	24.31	24.31	24.31	24.32	24.32	24.32	24.32	24.32	24.32	24.40	24.24
Max	24.61	24.61	24.60	24.60	24.59	24.58	24.58	24.58	24.58	24.57	24.58	24.58	24.58	24.59	24.60	24.62	24.63	24.64	24.64	24.64	24.64	24.64	24.63	24.61	24.56	24.64	24.53
Min	23.97	24.00	24.02	24.01	24.01	23.98	23.95	23.91	23.92	23.93	23.92	23.92	23.91	23.89	23.93	23.96	23.98	23.97	23.96	23.97	23.96	23.97	23.99	23.97	24.01	24.15	23.89

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
November 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.22	24.21	24.20	24.19	24.18	24.18	24.17	24.19	24.20	24.20	24.20	24.19	24.18	24.17	24.18	24.19	24.19	24.20	24.22	24.22	24.22	24.25	24.27	24.28	24.20	24.28	24.17
2	24.29	24.30	24.30	24.30	24.31	24.32	24.34	24.36	24.38	24.39	24.40	24.40	24.39	24.39	24.39	24.39	24.40	24.40	24.41	24.41	24.40	24.41	24.40	24.41	24.37	24.41	24.29
3	24.40	24.40	24.40	24.40	24.40	24.41	24.41	24.41	24.42	24.43	24.43	24.42	24.40	24.39	24.39	24.39	24.39	24.39	24.39	24.40	24.40	24.39	24.40	24.40	24.40	24.43	24.39
4	24.41	24.43	24.44	24.43	24.45	24.45	24.46	24.49	24.51	24.53	24.55	24.54	24.54	24.55	24.54	24.55	24.56	24.57	24.57	24.58	24.58	24.57	24.57	24.56	24.52	24.58	24.41
5	24.55	24.54	24.53	24.51	24.50	24.49	24.49	24.48	24.47	24.46	24.47	24.47	24.46	24.43	24.43	24.45	24.46	24.47	24.48	24.47	24.48	24.50	24.50	24.50	24.48	24.55	24.43
6	24.51	24.50	24.50	24.50	24.50	24.49	24.48	24.49	24.50	24.50	24.49	24.48	24.46	24.45	24.43	24.42	24.41	24.39	24.37	24.35	24.34	24.32	24.30	24.29	24.44	24.51	24.29
7	24.27	24.25	24.25	24.25	24.23	24.23	24.21	24.20	24.20	24.18	24.16	24.15	24.13	24.12	24.13	24.16	24.18	24.21	24.23	24.24	24.25	24.26	24.27	24.26	24.21	24.27	24.12
8	24.26	24.25	24.25	24.24	24.23	24.23	24.23	24.23	24.21	24.20	24.17	24.15	24.12	24.10	24.10	24.10	24.08	24.08	24.08	24.07	24.07	24.08	24.06	24.03	24.15	24.26	24.03
9	24.02	24.02	24.02	24.01	23.99	24.00	24.01	24.03	24.04	24.05	24.05	24.03	24.03	24.04	24.04	24.05	24.04	24.06	24.07	24.07	24.08	24.08	24.08	24.08	24.04	24.08	23.99
10	24.08	24.08	24.08	24.08	24.09	24.10	24.10	24.11	24.13	24.13	24.13	24.12	24.13	24.14	24.14	24.15	24.17	24.18	24.18	24.19	24.19	24.19	24.19	24.18	24.14	24.19	24.08
11	24.18	24.18	24.18	24.18	24.19	24.20	24.22	24.23	24.25	24.25	24.27	24.26	24.26	24.28	24.29	24.31	24.32	24.35	24.36	24.37	24.39	24.39	24.40	24.40	24.28	24.40	24.18
12	24.41	24.41	24.41	24.40	24.40	24.41	24.41	24.42	24.44	24.43	24.41	24.40	24.39	24.39	24.38	24.38	24.36	24.37	24.37	24.38	24.38	24.38	24.38	24.39	24.40	24.44	24.36
13	24.39	24.40	24.41	24.41	24.41	24.41	24.42	24.42	24.43	24.44	24.45	24.45	24.43	24.42	24.41	24.40	24.40	24.39	24.38	24.38	24.38	24.38	24.37	24.37	24.41	24.45	24.37
14	24.36	24.36	24.36	24.35	24.34	24.33	24.33	24.34	24.34	24.35	24.37	24.37	24.36	24.37	24.37	24.38	24.39	24.40	24.42	24.43	24.44	24.45	24.47	24.47	24.38	24.47	24.33
15	24.47	24.47	24.48	24.49	24.48	24.49	24.49	24.49	24.49	24.48	24.48	24.47	24.45	24.43	24.41	24.40	24.39	24.38	24.37	24.37	24.36	24.35	24.34	24.32	24.43	24.49	24.32
16	24.31	24.30	24.30	24.29	24.27	24.28	24.28	24.28	24.28	24.29	24.30	24.29	24.27	24.27	24.26	24.26	24.27	24.28	24.28	24.28	24.28	24.28	24.28	24.29	24.28	24.31	24.26
17	24.29	24.29	24.30	24.30	24.30	24.29	24.29	24.30	24.29	24.30	24.30	24.28	24.25	24.23	24.21	24.20	24.19	24.17	24.15	24.15	24.13	24.12	24.11	24.10	24.23	24.30	24.10
18	24.08	24.06	24.05	24.04	24.04	24.03	24.04	24.05	24.10	24.14	24.16	24.17	24.16	24.20	24.19	24.21	24.22	24.23	24.25	24.26	24.28	24.29	24.29	24.30	24.16	24.30	24.03
19	24.30	24.30	24.30	24.30	24.28	24.27	24.28	24.28	24.30	24.31	24.31	24.31	24.29	24.29	24.27	24.27	24.27	24.27	24.27	24.26	24.25	24.23	24.22	24.24	24.28	24.31	24.22
20	24.24	24.23	24.23	24.21	24.22	24.23	24.23	24.23	24.24	24.25	24.25	24.23	24.22	24.21	24.19	24.19	24.20	24.21	24.22	24.21	24.19	24.19	24.19	24.18	24.22	24.25	24.18
21	24.16	24.14	24.13	24.10	24.08	24.07	24.04	24.06	24.07	24.09	24.10	24.07	24.05	24.05	24.06	24.10	24.12	24.12	24.15	24.18	24.21	24.22	24.22	24.23	24.12	24.23	24.04
22	24.25	24.26	24.28	24.29	24.31	24.34	24.36	24.39	24.43	24.46	24.49	24.51	24.52	24.53	24.54	24.56	24.58	24.60	24.61	24.62	24.62	24.63	24.64	24.63	24.48	24.64	24.25
23	24.62	24.62	24.61	24.60	24.59	24.57	24.56	24.53	24.53	24.52	24.51	24.50	24.47	24.45	24.43	24.42	24.41	24.40	24.38	24.37	24.36	24.35	24.33	24.32	24.48	24.62	24.32
24	24.31	24.29	24.27	24.27	24.27	24.26	24.27	24.27	24.27	24.27	24.29	24.28	24.27	24.27	24.27	24.27	24.27	24.28	24.28	24.28	24.28	24.27	24.27	24.26	24.27	24.31	24.26
25	24.24	24.23	24.22	24.21	24.20	24.21	24.22	24.22	24.24	24.26	24.26	24.26	24.26	24.26	24.27	24.29	24.31	24.32	24.35	24.37	24.39	24.41	24.42	24.43	24.29	24.43	24.20
26	24.44	24.44	24.46	24.46	24.46	24.46	24.45	24.46	24.46	24.45	24.45	24.43	24.41	24.40	24.38	24.37	24.37	24.38	24.38	24.38	24.37	24.37	24.38	24.37	24.42	24.46	24.37
27	24.37	24.37	24.37	24.36	24.36	24.36	24.36	24.37	24.38	24.39	24.39	24.40	24.39	24.37	24.37	24.36	24.36	24.36	24.37	24.37	24.36	24.36	24.36	24.36	24.37	24.40	24.36
28	24.36	24.35	24.35	24.35	24.34	24.33	24.33	24.33	24.34	24.33	24.34	24.33	24.30	24.27	24.25	24.23	24.22	24.21	24.20	24.19	24.18	24.17	24.17	24.17	24.28	24.36	24.17
29	24.17	24.19	24.20	24.19	24.19	24.19	24.20	24.21	24.21	24.22	24.23	24.22	24.21	24.20	24.19	24.19	24.19	24.20	24.20	24.19	24.18	24.17	24.16	24.15	24.19	24.23	24.15
30	24.14	24.13	24.13	24.11	24.09	24.08	24.08	24.08	24.07	24.05	24.05	24.02	24.01	24.01	24.00	24.00	24.03	24.02	24.03	24.05	24.05	24.05	24.05	24.05	24.06	24.14	24.00
Avg	24.30	24.30	24.30	24.29	24.29	24.29	24.29	24.30	24.31	24.31	24.32	24.31	24.29	24.29	24.28	24.29	24.29	24.30	24.30	24.30	24.30	24.30	24.30	24.30	24.30	24.37	24.22
Max	24.62	24.62	24.61	24.60	24.59	24.57	24.56	24.53	24.53	24.53	24.55	24.54	24.54	24.55	24.54	24.56	24.58	24.60	24.61	24.62	24.62	24.63	24.64	24.63	24.52	24.64	24.43
Min	24.02	24.02	24.02	24.01	23.99	24.00	24.01	24.03	24.04	24.05	24.05	24.02	24.01	24.01	24.00	24.00	24.03	24.02	24.03	24.05	24.05	24.05	24.05	24.03	24.04	24.08	23.99

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
December 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.06	24.06	24.07	24.07	24.06	24.06	24.07	24.08	24.09	24.09	24.09	24.08	24.08	24.07	24.05	24.04	24.05	24.08	24.09	24.08	24.07	24.06	24.06	24.05	24.07	24.09	24.04
2	24.03	24.00	23.97	23.95	23.92	23.88	23.83	23.82	23.80	23.79	23.78	23.76	23.73	23.70	23.69	23.70	23.76	23.81	23.86	23.90	23.93	23.96	24.01	24.04	23.86	24.04	23.69
3	24.07	24.09	24.12	24.13	24.17	24.18	24.20	24.21	24.22	24.24	24.24	24.24	24.23	24.23	24.23	24.26	24.29	24.32	24.33	24.33	24.34	24.34	24.36	24.36	24.24	24.36	24.07
4	24.37	24.36	24.36	24.34	24.31	24.29	24.28	24.29	24.27	24.27	24.27	24.27	24.26	24.26	24.24	24.25	24.25	24.24	24.23	24.23	24.22	24.22	24.21	24.21	24.27	24.37	24.21
5	24.20	24.18	24.17	24.14	24.13	24.12	24.12	24.10	24.10	24.10	24.09	24.09	24.11	24.11	24.13	24.16	24.17	24.20	24.23	24.23	24.25	24.26	24.27	24.27	24.16	24.27	24.09
6	24.28	24.27	24.27	24.27	24.26	24.25	24.25	24.25	24.24	24.24	24.24	24.22	24.20	24.19	24.18	24.17	24.17	24.16	24.16	24.15	24.15	24.15	24.16	24.16	24.21	24.28	24.15
7	24.15	24.14	24.13	24.12	24.12	24.12	24.11	24.12	24.12	24.14	24.14	24.13	24.12	24.11	24.08	24.07	24.04	24.02	23.99	23.97	23.95	23.92	23.90	23.89	24.07	24.15	23.89
8	23.89	23.89	23.91	23.92	23.93	23.94	23.97	24.01	24.06	24.10	24.12	24.14	24.15	24.17	24.20	24.23	24.26	24.28	24.30	24.31	24.32	24.32	24.33	24.34	24.13	24.34	23.89
9	24.34	24.34	24.35	24.35	24.36	24.38	24.39	24.40	24.41	24.42	24.41	24.38	24.36	24.31	24.29	24.28	24.26	24.24	24.22	24.21	24.21	24.20	24.19	24.17	24.31	24.42	24.17
10	24.16	24.15	24.14	24.15	24.15	24.13	24.14	24.14	24.15	24.17	24.19	24.19	24.19	24.17	24.15	24.16	24.17	24.18	24.19	24.19	24.20	24.19	24.18	24.17	24.17	24.20	24.13
11	24.16	24.14	24.13	24.11	24.08	24.04	24.02	24.00	23.98	23.98	23.98	23.96	23.94	23.92	23.90	23.89	23.88	23.88	23.88	23.87	23.87	23.87	23.87	23.88	23.97	24.16	23.87
12	23.88	23.88	23.88	23.87	23.87	23.87	23.87	23.87	23.88	23.89	23.91	23.92	23.93	23.94	23.95	23.98	24.01	24.03	24.04	24.05	24.06	24.07	24.09	24.11	23.95	24.11	23.87
13	24.11	24.11	24.11	24.12	24.12	24.12	24.12	24.13	24.14	24.14	24.14	24.13	24.12	24.10	24.09	24.08	24.07	24.08	24.08	24.08	24.08	24.07	24.07	24.06	24.10	24.14	24.06
14	24.06	24.05	24.04	24.02	24.01	24.00	24.00	24.00	23.99	23.99	23.98	23.98	23.96	23.95	23.95	23.94	23.95	23.97	23.98	23.99	24.00	24.02	24.03	24.05	24.00	24.06	23.94
15	24.05	24.06	24.07	24.07	24.07	24.07	24.07	24.08	24.08	24.07	24.06	24.04	24.02	24.00	23.99	23.98	23.98	23.98	23.97	23.95	23.94	23.93	23.92	23.91	24.01	24.08	23.91
16	23.90	23.89	23.89	23.89	23.89	23.90	23.90	23.90	23.91	23.93	23.94	23.94	23.94	23.94	23.94	23.95	23.96	23.97	23.98	23.97	23.95	23.93	23.91	23.89	23.93	23.98	23.89
17	23.85	23.81	23.78	23.75	23.74	23.72	23.72	23.72	23.71	23.71	23.72	23.72	23.72	23.71	23.72	23.73	23.74	23.76	23.77	23.78	23.81	23.82	23.85	23.86	23.76	23.86	23.71
18	23.86	23.87	23.89	23.90	23.91	23.92	23.93	23.95	23.97	23.98	23.99	23.98	23.97	23.97	23.98	23.99	24.00	24.01	24.03	24.04	24.05	24.06	24.07	24.08	23.98	24.08	23.86
19	24.10	24.10	24.11	24.11	24.13	24.14	24.15	24.17	24.18	24.20	24.22	24.21	24.19	24.18	24.18	24.20	24.22	24.24	24.24	24.25	24.27	24.27	24.28	24.29	24.19	24.29	24.10
20	24.30	24.30	24.30	24.29	24.29	24.29	24.30	24.30	24.30	24.29	24.28	24.27	24.25	Au	Au	Au	24.23	24.22	24.23	24.24	24.24	24.24	24.24	24.24	24.27	24.30	24.22
21	24.23	24.24	24.23	24.23	24.24	24.23	24.23	24.22	24.22	24.22	24.23	24.23	24.21	24.21	24.20	24.20	24.20	24.20	24.20	24.21	24.20	24.20	24.19	24.19	24.22	24.24	24.19
22	24.20	24.20	24.22	24.21	24.22	24.22	24.22	24.21	24.21	24.19	24.18	24.14	24.12	24.10	24.09	24.08	24.06	24.04	24.04	24.03	24.03	24.03	24.03	24.04	24.13	24.22	24.03
23	24.04	24.04	24.06	24.08	24.10	24.11	24.13	24.15	24.16	24.17	24.20	24.20	24.18	24.17	24.15	24.15	24.13	24.12	24.11	24.11	24.11	24.09	24.06	24.05	24.12	24.20	24.04
24	24.04	24.04	24.03	24.04	24.06	24.08	24.10	24.11	24.13	24.15	24.17	24.19	24.20	24.21	24.22	24.24	24.27	24.29	24.32	24.33	24.33	24.33	24.34	24.34	24.19	24.34	24.03
25	24.34	24.34	24.35	24.35	24.35	24.34	24.34	24.34	24.33	24.32	24.31	24.28	24.25	24.23	24.21	24.19	24.19	24.19	24.18	24.17	24.16	24.14	24.13	24.12	24.26	24.35	24.12
26	24.11	24.08	24.07	24.07	24.05	24.03	24.02	24.02	24.02	24.02	24.01	24.00	23.98	23.97	23.96	23.97	23.98	24.00	24.01	24.01	24.01	24.02	24.03	24.04	24.02	24.11	23.96
27	24.04	24.04	24.05	24.06	24.06	24.07	24.08	24.09	24.10	24.11	24.13	24.12	24.11	24.11	24.10	24.11	24.12	24.14	24.14	24.15	24.15	24.15	24.16	24.16	24.11	24.16	24.04
28	24.16	24.16	24.16	24.16	24.17	24.17	24.18	24.20	24.21	24.22	24.23	24.23	24.22	24.21	24.22	24.24	24.25	24.27	24.27	24.28	24.29	24.29	24.30	24.30	24.22	24.30	24.16
29	24.30	24.30	24.30	24.31	24.30	24.29	24.30	24.29	24.29	24.29	24.28	24.27	24.24	24.21	24.20	24.20	24.20	24.20	24.20	24.21	24.21	24.21	24.22	24.22	24.25	24.31	24.20
30	24.22	24.22	24.23	24.24	24.24	24.25	24.25	24.26	24.26	24.28	24.28	24.28	24.25	24.24	24.24	24.25	24.26	24.26	24.27	24.26	24.27	24.27	24.27	24.27	24.25	24.28	24.22
31	24.26	24.27	24.28	24.28	24.28	24.27	24.27	24.27	24.28	24.29	24.29	24.28	24.26	24.26	24.27	24.28	24.29	24.30	24.30	24.31	24.31	24.32	24.33	24.34	24.29	24.34	24.26
Avg	24.12	24.12	24.12	24.12	24.12	24.11	24.11	24.12	24.12	24.13	24.13	24.12	24.11	24.10	24.09	24.10	24.11	24.12	24.12	24.13	24.13	24.13	24.13	24.13	24.12	24.21	24.03
Max	24.37	24.36	24.36	24.35	24.36	24.38	24.39	24.40	24.41	24.42	24.41	24.38	24.36	24.31	24.29	24.28	24.29	24.32	24.33	24.33	24.34	24.34	24.36	24.36	24.31	24.42	24.26
Min	23.85	23.81	23.78	23.75	23.74	23.72	23.72	23.72	23.71	23.71	23.72	23.72	23.72	23.70	23.69	23.70	23.74	23.76	23.77	23.78	23.81	23.82	23.85	23.86	23.76	23.86	23.69

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
October 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	86.6	89.4	90.6	91.6	93.5	94.8	94.3	86.0	74.0	50.7	36.3	32.7	29.6	27.2	26.7	26.0	26.6	27.5	32.9	40.4	45.6	49.3	53.5	51.7	56.6	94.8	26.0
2	43.7	33.3	34.7	35.8	35.7	39.7	42.6	43.7	42.1	39.4	36.3	33.0	28.6	23.0	20.3	17.7	19.1	22.3	24.6	26.5	51.7	79.6	88.2	91.5	39.7	91.5	17.7
3	90.9	81.8	78.5	79.5	71.8	74.9	76.3	78.6	86.6	92.2	92.0	78.8	72.3	73.9	78.7	83.7	75.9	73.9	84.1	83.9	79.8	80.6	81.7	83.1	80.6	92.2	71.8
4	87.5	90.7	90.7	89.0	89.4	88.1	87.5	86.0	74.1	71.1	68.8	61.5	62.2	74.7	86.1	79.7	90.2	85.2	83.1	82.4	81.8	84.7	84.4	86.9	81.9	90.7	61.5
5	89.6	92.1	92.4	93.7	93.5	92.9	92.1	92.3	87.6	75.9	69.5	59.2	56.7	55.9	55.3	48.1	52.2	57.2	66.7	73.8	79.9	82.3	82.6	82.8	76.0	93.7	48.1
6	84.0	84.2	83.0	84.6	84.4	83.1	83.1	81.7	75.5	75.6	56.2	49.5	45.7	43.8	48.3	54.3	59.2	66.0	69.6	76.9	90.0	89.3	90.4	90.3	72.9	90.4	43.8
7	91.5	93.4	94.6	95.7	94.2	92.4	91.4	92.1	93.0	71.4	49.8	44.7	38.9	35.7	32.7	33.2	33.3	38.0	50.1	64.4	71.5	76.1	84.1	85.3	68.6	95.7	32.7
8	86.6	88.6	89.1	88.0	86.5	87.7	88.7	87.4	82.7	75.9	82.5	85.3	81.8	79.2	77.5	81.5	82.3	81.8	80.9	79.7	75.8	75.2	87.3	93.8	83.6	93.8	75.2
9	94.6	93.9	92.6	91.5	91.0	92.4	92.7	92.7	88.4	77.3	60.8	51.4	43.8	38.3	37.4	36.9	37.0	45.2	60.7	67.9	74.4	76.8	83.3	85.5	71.1	94.6	36.9
10	86.8	88.3	89.4	90.1	90.3	90.0	90.0	88.4	80.0	66.2	41.3	36.9	33.3	30.5	31.0	36.0	44.1	58.3	71.0	82.5	84.6	82.4	84.2	84.1	69.2	90.3	30.5
11	82.1	86.1	93.2	96.3	96.9	94.6	91.8	90.2	89.0	86.8	82.7	78.2	74.3	69.7	62.3	61.0	61.8	72.9	84.7	89.3	93.4	94.7	93.7	92.0	84.1	96.9	61.0
12	90.7	89.1	89.1	89.1	89.4	90.6	89.5	91.9	92.8	84.4	41.2	23.5	21.7	18.8	18.3	17.4	17.4	21.7	25.5	26.5	33.1	39.8	45.5	53.0	54.2	92.8	17.4
13	56.2	60.4	62.6	66.6	71.0	71.5	72.6	83.1	88.1	89.3	88.6	78.5	68.2	62.2	60.3	57.1	55.6	59.9	61.9	64.8	65.6	71.0	75.2	77.5	69.5	89.3	55.6
14	77.6	79.9	86.0	85.6	87.0	90.2	91.6	92.8	86.5	60.8	51.7	48.0	49.6	50.0	49.6	49.8	53.2	59.4	67.0	74.2	76.3	80.1	81.1	79.0	71.1	92.8	48.0
15	55.0	48.9	50.7	58.9	63.8	68.0	67.8	61.1	68.2	86.6	88.5	87.2	84.9	75.1	68.1	73.8	79.7	73.7	78.4	88.6	93.6	94.7	96.0	96.4	75.3	96.4	48.9
16	95.0	95.4	91.5	90.9	79.8	71.7	75.0	74.8	86.6	91.3	86.0	78.1	65.0	54.1	46.3	37.0	38.4	49.7	55.6	56.3	59.7	63.2	64.4	66.8	69.7	95.4	37.0
17	67.5	66.3	65.2	65.6	64.2	62.3	61.6	58.9	56.9	52.2	46.5	45.0	41.5	39.6	38.1	35.3	38.0	42.4	45.5	49.5	54.4	62.3	61.7	67.4	53.7	67.5	35.3
18	74.0	75.8	79.3	83.4	85.0	85.3	85.4	83.2	76.2	63.2	39.5	32.1	29.6	30.1	30.4	30.6	34.3	41.2	58.4	64.8	69.7	74.6	80.4	82.8	62.1	85.4	29.6
19	82.0	81.7	82.3	79.7	77.2	77.0	74.0	61.3	51.0	37.8	34.9	35.2	36.8	41.3	42.9	42.6	39.8	43.3	48.7	52.4	55.2	60.1	64.1	66.3	57.0	82.3	34.9
20	67.2	68.5	74.8	70.7	72.6	69.6	61.6	59.3	55.7	57.5	52.3	55.4	50.2	45.5	45.5	50.4	51.7	49.7	50.4	48.9	50.8	56.1	57.0	66.4	57.8	74.8	45.5
21	70.3	71.4	77.5	79.9	82.4	84.8	86.2	85.3	72.2	52.8	43.3	37.8	32.8	34.1	33.3	34.8	43.3	57.7	61.6	66.3	72.3	80.8	95.2	94.6	64.6	95.2	32.8
22	92.2	92.7	91.4	89.9	90.5	90.4	89.4	89.5	85.5	85.5	85.6	81.5	85.9	87.3	91.7	92.5	96.2	94.3	93.6	93.9	93.1	92.3	91.3	92.3	90.4	96.2	81.5
23	92.4	92.4	93.4	94.2	93.6	90.8	88.4	89.4	89.3	90.0	81.6	73.2	80.5	83.1	82.2	84.2	90.2	91.1	90.5	90.3	89.6	89.5	89.5	88.8	88.3	94.2	73.2
24	87.5	86.8	87.4	87.6	87.5	88.5	89.0	89.2	89.0	88.1	81.2	66.3	62.7	59.0	58.7	57.7	67.0	85.7	89.5	92.0	91.3	89.6	89.7	89.9	81.7	92.0	57.7
25	87.7	86.0	86.4	86.6	86.3	86.2	86.8	87.1	86.4	84.3	82.4	80.9	76.4	78.6	80.6	80.4	81.6	81.2	82.1	82.4	83.3	83.1	83.8	84.8	83.6	87.7	76.4
26	85.4	86.8	87.0	86.5	85.4	86.4	88.6	87.9	85.3	80.0	75.4	66.1	61.2	58.8	59.1	56.3	66.4	76.2	81.2	84.1	86.3	85.5	86.2	88.3	78.8	88.6	56.3
27	90.3	91.0	91.5	91.5	91.8	91.8	92.2	92.2	92.5	89.9	85.8	85.7	86.2	81.9	80.7	81.9	88.2	90.3	93.5	95.6	95.6	95.1	94.9	92.3	90.1	95.6	80.7
28	89.6	93.6	95.9	96.1	96.1	96.1	95.9	94.6	93.9	92.9	91.0	91.8	92.8	93.3	91.8	91.2	92.4	91.3	93.9	93.9	92.3	92.3	94.9	95.9	93.5	96.1	89.6
29	96.1	96.9	96.3	96.3	96.5	95.2	94.1	95.3	95.6	93.3	91.2	82.1	68.1	65.9	69.8	80.4	85.4	83.9	73.1	69.2	80.0	85.0	85.6	66.4	85.1	96.9	65.9
30	67.7	76.4	83.9	81.2	81.8	84.2	87.7	87.3	84.5	70.5	51.7	45.8	40.0	38.9	42.3	40.4	44.0	56.4	66.4	72.0	78.5	80.8	83.0	84.1	67.9	87.7	38.9
31	85.3	85.4	86.2	86.4	87.5	88.8	88.7	88.2	87.0	78.5	52.6	44.0	40.0	34.7	32.4	35.1	40.9	57.6	58.8	66.2	77.1	81.5	82.6	78.3	68.5	88.8	32.4
Avg	81.7	82.2	83.5	84.0	83.8	83.9	83.8	83.0	80.5	74.6	65.4	59.7	56.2	54.3	54.1	54.4	57.6	62.4	67.2	71.0	75.0	78.3	81.1	81.9	72.5	91.0	49.8
Max	96.1	96.9	96.3	96.3	96.9	96.1	95.9	95.3	95.6	93.3	92.0	91.8	92.8	93.3	91.8	92.5	96.2	94.3	93.9	95.6	95.6	95.1	96.0	96.4	93.5	96.9	89.6
Min	43.7	33.3	34.7	35.8	35.7	39.7	42.6	43.7	42.1	37.8	34.9	23.5	21.7	18.8	18.3	17.4	17.4	21.7	24.6	26.5	33.1	39.8	45.5	51.7	39.7	67.5	17.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
November 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	83.4	86.5	85.1	81.0	81.0	83.5	85.3	81.2	82.2	75.1	55.5	44.3	46.9	48.9	52.0	53.9	58.9	78.5	83.5	71.8	69.2	68.1	78.6	77.8	71.3	86.5	44.3
2	75.1	79.5	85.9	86.9	85.1	87.9	87.3	88.0	80.5	75.5	71.3	64.5	61.1	60.0	61.3	57.9	55.6	61.6	63.9	74.6	83.0	87.0	89.4	90.8	75.6	90.8	55.6
3	91.1	91.2	90.9	91.5	91.2	90.9	90.5	89.7	82.1	80.5	67.3	46.5	41.5	39.8	39.5	40.4	48.3	59.3	63.3	70.8	69.9	61.7	66.0	71.7	69.8	91.5	39.5
4	71.7	71.0	78.0	77.2	76.7	73.9	71.8	71.2	72.2	70.3	68.6	64.1	65.6	65.6	64.5	62.9	66.7	68.1	68.9	70.5	73.9	77.4	85.5	89.1	71.9	89.1	62.9
5	91.2	91.2	90.9	88.6	86.5	78.5	77.2	79.4	71.1	63.0	60.9	58.8	56.9	50.9	46.2	46.9	48.7	50.8	50.8	53.5	56.7	57.9	56.6	61.8	65.6	91.2	46.2
6	76.3	83.3	85.9	87.7	87.3	89.3	90.8	91.0	89.7	86.8	84.1	79.6	74.1	56.5	51.6	48.5	52.7	64.3	69.0	77.0	81.7	84.5	87.4	89.6	77.9	91.0	48.5
7	90.0	84.0	73.2	49.8	67.0	57.0	44.9	63.4	67.3	39.6	37.4	38.8	37.8	36.7	50.0	60.4	59.5	59.8	57.9	55.3	57.1	60.6	61.7	69.0	57.4	90.0	36.7
8	72.9	75.4	77.5	80.5	79.1	76.2	67.7	89.2	91.7	91.7	86.8	88.4	88.8	88.0	86.1	86.9	85.5	84.5	83.1	84.2	85.6	85.7	87.0	88.8	83.8	91.7	67.7
9	86.1	90.2	91.3	91.4	91.4	91.7	91.1	87.4	85.9	84.8	84.8	84.8	83.1	83.2	82.2	79.2	76.3	76.0	72.9	75.2	74.5	74.1	75.7	75.8	82.9	91.7	72.9
10	76.5	76.1	75.6	75.6	76.1	76.1	75.5	75.0	73.3	72.5	71.8	72.4	73.5	74.1	74.5	74.0	76.4	78.3	78.8	78.7	78.4	78.8	78.8	78.7	75.8	78.8	71.8
11	78.8	80.4	79.4	77.0	76.0	76.5	78.0	78.8	79.2	79.5	75.2	71.3	70.3	69.8	70.1	68.8	70.6	76.7	79.3	79.9	81.0	82.0	82.1	81.3	76.7	82.1	68.8
12	81.3	81.3	80.1	80.6	79.7	79.1	79.2	79.6	81.2	83.9	83.9	78.9	61.8	62.6	59.8	63.6	76.9	83.9	87.7	88.4	82.0	81.2	86.5	82.4	78.6	88.4	59.8
13	82.9	85.0	85.1	86.6	87.1	88.0	83.3	82.1	78.8	71.0	64.9	66.4	57.9	59.9	65.6	70.6	78.2	77.7	83.0	79.1	80.1	84.2	86.6	86.7	77.9	88.0	57.9
14	86.1	87.5	87.0	88.8	89.0	89.9	89.6	89.7	87.3	82.4	79.6	71.4	69.7	71.6	71.7	69.4	68.2	70.3	76.4	78.4	83.5	85.8	90.1	89.8	81.4	90.1	68.2
15	90.6	89.8	87.1	86.5	85.2	84.2	83.7	82.8	84.0	88.1	86.9	79.8	62.6	58.1	56.9	60.0	66.2	68.4	74.7	83.1	84.9	83.9	86.4	88.1	79.3	90.6	56.9
16	88.1	87.7	87.8	87.4	88.0	86.9	87.1	87.1	84.7	78.7	70.9	69.4	65.4	62.3	61.4	74.3	71.3	76.8	90.8	92.3	92.9	95.0	95.4	95.9	82.4	95.9	61.4
17	94.8	93.3	91.7	89.9	90.0	90.2	89.6	90.0	91.1	93.2	92.2	68.6	55.4	52.3	55.1	58.1	64.1	73.5	80.4	77.7	73.2	77.0	85.5	86.3	79.7	94.8	52.3
18	84.6	86.8	87.3	73.8	71.8	74.9	74.1	72.8	78.3	72.5	55.8	44.6	39.9	42.6	41.9	50.1	50.2	61.6	68.7	73.3	79.2	82.5	83.9	83.6	68.1	87.3	39.9
19	85.1	85.9	84.9	86.7	84.4	66.5	65.2	67.1	62.9	59.5	56.0	55.9	53.5	52.2	52.3	52.4	56.2	60.9	61.8	60.7	60.9	61.8	58.7	57.6	64.5	86.7	52.2
20	58.9	63.1	60.5	56.3	57.9	58.8	59.8	59.5	61.7	58.1	59.1	58.8	57.9	58.4	58.4	61.7	63.9	65.6	68.1	67.3	69.7	71.0	68.6	70.0	62.2	71.0	56.3
21	70.0	69.4	72.3	77.2	71.0	62.2	62.4	67.2	89.4	95.3	91.9	92.6	89.9	91.8	91.5	87.1	86.3	81.4	71.9	72.9	62.6	62.4	64.5	68.2	77.1	95.3	62.2
22	68.7	75.8	70.0	73.9	69.5	66.1	67.7	68.1	65.3	62.4	60.3	57.4	55.6	54.5	53.8	56.7	63.0	69.9	74.6	82.8	83.3	83.7	83.9	84.5	68.8	84.5	53.8
23	85.1	85.0	84.8	84.6	84.0	82.7	80.9	78.2	78.1	74.7	71.1	59.9	53.7	49.3	49.0	53.2	50.9	59.7	76.9	78.3	79.1	80.8	78.8	74.8	72.2	85.1	49.0
24	78.6	79.8	77.3	73.6	78.6	73.6	67.9	65.3	61.6	62.4	66.3	70.5	83.2	79.0	58.2	51.8	57.8	63.0	68.7	66.0	67.1	67.2	73.4	68.4	69.1	83.2	51.8
25	73.1	70.6	72.1	78.7	79.7	80.0	80.9	74.0	60.1	55.3	53.4	51.8	55.6	59.4	67.2	80.4	87.0	89.7	88.5	89.2	89.9	89.6	89.9	88.9	75.2	89.9	51.8
26	89.0	88.2	86.2	83.3	81.0	80.3	79.4	78.5	79.0	79.8	79.9	76.9	66.0	56.1	52.5	60.0	79.6	84.6	83.3	85.4	84.3	84.5	84.3	83.5	78.6	89.0	52.5
27	82.4	82.2	82.4	82.7	83.0	83.3	83.8	84.2	84.1	81.9	76.5	66.0	49.8	45.6	45.4	53.9	73.2	77.8	81.5	82.5	83.6	83.6	84.6	85.0	75.8	85.0	45.4
28	85.4	84.5	84.6	85.6	85.7	85.9	85.8	85.1	85.6	76.3	67.2	61.0	51.7	31.2	33.4	50.5	67.2	69.2	72.2	76.2	75.0	76.3	75.6	76.1	72.0	85.9	31.2
29	76.8	77.6	89.9	91.8	94.6	96.6	95.7	95.9	95.6	88.8	86.2	85.7	71.7	62.6	53.5	51.5	54.4	57.2	60.9	64.7	70.5	62.4	63.1	65.4	75.5	96.6	51.5
30	65.0	59.6	60.3	57.3	58.1	58.3	52.6	57.1	61.8	63.2	65.5	65.3	68.4	80.4	85.3	87.7	89.7	92.3	94.9	94.4	95.4	95.9	96.5	96.2	75.1	96.5	52.6
Avg	80.7	81.4	81.5	80.4	80.5	79.0	77.6	78.6	78.2	74.9	71.0	66.5	62.3	60.1	59.7	62.4	66.8	71.4	74.5	76.1	76.9	77.6	79.5	80.2	74.1	88.6	54.1
Max	94.8	93.3	91.7	91.8	94.6	96.6	95.7	95.9	95.6	95.3	92.2	92.6	89.9	91.8	91.5	87.7	89.7	92.3	94.9	94.4	95.4	95.9	96.5	96.2	83.8	96.6	72.9
Min	58.9	59.6	60.3	49.8	57.9	57.0	44.9	57.1	60.1	39.6	37.4	38.8	37.8	31.2	33.4	40.4	48.3	50.8	50.8	53.5	56.7	57.9	56.6	57.6	57.4	71.0	31.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
December 2012

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	96.1	95.2	95.5	94.0	93.9	94.3	94.1	89.5	85.2	77.1	68.9	66.0	61.8	58.2	56.1	55.8	66.4	84.5	85.1	83.2	88.5	90.4	88.6	85.1	81.4	96.1	55.8
2	79.6	69.3	64.9	64.7	62.4	57.6	57.5	58.1	61.5	60.5	62.1	59.4	58.6	58.1	57.9	70.2	90.2	92.5	77.2	70.5	70.3	69.8	69.1	69.8	67.2	92.5	57.5
3	66.9	69.7	70.2	65.9	67.8	68.8	67.4	62.3	67.2	63.0	58.8	55.9	55.7	56.0	54.8	54.6	58.1	58.5	58.3	58.8	59.3	59.1	59.8	69.2	61.9	70.2	54.6
4	76.1	76.7	79.4	79.9	76.8	73.3	73.4	71.9	87.4	85.3	78.4	69.5	60.5	60.9	63.1	62.8	63.2	63.0	65.5	68.6	71.2	70.4	67.7	66.8	71.3	87.4	60.5
5	69.0	70.0	71.3	71.0	69.7	67.2	63.0	64.2	65.7	66.1	66.0	69.5	64.4	54.2	53.9	54.2	51.0	50.3	50.1	49.6	47.2	50.9	55.7	59.2	60.6	71.3	47.2
6	60.8	62.7	63.0	66.9	70.3	72.1	64.8	63.4	66.1	62.9	61.1	62.1	65.4	62.5	61.5	65.8	77.5	83.4	86.5	90.2	90.6	90.4	85.9	82.1	71.6	90.6	60.8
7	82.4	84.4	85.8	85.9	85.5	81.5	76.6	75.4	73.3	71.9	64.2	61.2	55.3	54.7	56.1	57.5	59.2	60.0	61.4	65.5	73.8	81.5	85.9	88.6	72.0	88.6	54.7
8	86.1	84.0	72.7	71.6	75.8	83.4	84.4	79.3	77.6	77.8	73.2	74.0	73.2	71.2	73.1	76.1	79.4	83.0	81.1	78.3	76.8	76.3	75.0	74.3	77.4	86.1	71.2
9	74.2	73.5	73.6	73.1	72.7	72.6	72.3	73.5	75.2	77.2	78.3	78.1	71.0	60.5	61.1	65.0	64.2	61.5	63.7	65.0	65.4	67.0	68.2	73.5	70.0	78.3	60.5
10	85.5	86.4	85.9	85.6	85.0	84.9	86.2	87.6	89.9	87.2	87.1	80.6	66.1	63.0	64.7	66.6	67.1	72.8	77.2	84.8	85.4	83.4	81.1	79.6	80.2	89.9	63.0
11	80.2	81.9	83.0	85.2	89.6	85.7	78.4	78.1	71.1	71.1	70.1	65.5	65.7	64.7	64.6	62.7	63.2	63.8	63.1	66.1	70.9	77.1	81.2	86.0	73.7	89.6	62.7
12	90.1	91.1	93.1	92.8	92.9	92.9	93.3	92.9	93.1	90.6	87.6	83.8	84.2	86.7	85.9	87.3	86.3	87.6	89.9	91.7	91.8	91.4	92.4	92.1	90.1	93.3	83.8
13	91.2	90.1	89.5	89.1	89.4	91.1	90.1	89.3	86.6	87.3	82.2	68.5	65.2	61.8	64.3	68.8	76.8	85.4	84.9	82.8	81.6	79.9	79.1	78.2	81.4	91.2	61.8
14	77.4	77.6	77.3	77.3	77.9	77.4	78.1	78.5	79.4	82.3	86.4	84.1	79.6	68.6	66.0	67.9	74.8	80.2	80.8	85.8	85.1	86.2	87.6	86.1	79.3	87.6	66.0
15	83.9	83.4	82.2	81.7	82.1	81.8	81.2	80.3	80.2	80.2	80.8	81.5	62.0	60.0	60.5	62.7	72.5	83.6	84.9	82.1	80.9	79.8	78.7	78.9	77.7	84.9	60.0
16	78.4	79.3	79.2	79.6	81.5	84.2	86.3	87.2	85.0	81.3	72.3	60.4	57.6	54.4	70.9	67.8	70.8	77.4	82.1	80.5	77.2	69.8	65.3	63.8	74.7	87.2	54.4
17	63.3	62.3	71.8	75.5	80.7	78.9	91.3	90.9	88.5	85.8	78.7	74.4	74.3	66.5	62.5	60.7	69.8	61.9	62.8	65.0	64.0	61.5	58.8	61.3	71.3	91.3	58.8
18	61.2	57.7	58.5	59.3	60.4	57.9	59.6	56.3	55.7	57.9	55.2	51.9	53.4	53.6	52.5	48.9	51.3	57.4	61.3	61.5	67.5	77.8	81.1	81.0	60.0	81.1	48.9
19	79.5	79.0	77.3	76.4	77.3	76.9	77.0	76.8	76.1	77.1	76.8	76.6	54.0	49.4	48.7	49.7	55.9	64.1	70.3	72.6	76.5	76.0	76.0	74.5	70.6	79.5	48.7
20	71.0	72.6	73.4	71.6	67.6	69.2	66.8	68.3	66.1	53.7	49.7	45.0	46.7	Au	Au	Au	48.7	51.9	56.3	55.9	54.1	57.6	46.9	47.6	59.1	73.4	45.0
21	50.3	60.3	61.0	64.8	69.1	68.2	65.5	52.5	56.0	54.8	44.9	36.2	35.5	37.2	39.9	44.6	51.9	48.0	49.9	59.5	63.5	63.5	68.1	68.8	54.7	69.1	35.5
22	68.4	70.5	74.3	75.3	76.7	78.3	79.2	78.4	77.8	76.2	69.7	66.2	59.9	41.0	40.0	41.8	48.9	52.2	54.1	56.6	55.1	51.0	51.6	54.0	62.4	79.2	40.0
23	58.3	66.5	59.7	77.1	80.9	80.8	82.6	80.0	82.9	78.1	68.3	51.4	45.2	42.7	42.1	43.0	46.7	60.5	63.9	69.8	72.7	74.2	75.2	70.5	65.5	82.9	42.1
24	73.9	86.1	88.3	86.3	82.9	80.6	79.3	78.7	78.3	77.1	76.4	75.7	75.1	74.9	75.4	76.3	76.7	75.9	75.7	76.2	76.2	76.4	76.2	76.5	78.1	88.3	73.9
25	77.1	77.2	77.3	77.1	77.3	77.5	77.9	78.1	78.2	76.5	75.3	73.9	73.9	71.0	70.7	69.1	71.6	81.1	84.1	83.4	82.5	81.7	83.3	83.9	77.5	84.1	69.1
26	84.0	84.1	84.4	83.8	83.8	84.9	85.7	86.6	86.7	84.8	81.8	76.8	75.5	74.8	76.5	76.4	82.1	86.5	85.4	85.0	85.1	85.2	85.3	85.9	83.0	86.7	74.8
27	86.2	85.9	86.1	86.0	86.0	86.1	86.6	84.4	81.5	76.4	64.0	63.1	67.8	67.1	75.6	77.2	78.9	80.7	82.2	86.2	84.3	83.0	84.8	86.4	80.3	86.6	63.1
28	86.5	87.8	88.4	83.2	74.0	71.6	69.5	71.5	77.1	77.8	66.9	59.9	61.6	62.9	63.0	65.1	69.3	76.1	81.9	83.6	82.7	80.9	79.3	78.7	75.0	88.4	59.9
29	78.0	77.6	77.0	77.5	77.5	78.0	79.5	80.5	81.5	81.9	82.3	83.5	83.5	80.2	72.6	67.5	62.8	70.5	72.7	77.0	79.5	82.0	83.3	81.5	77.8	83.5	62.8
30	81.7	80.9	82.3	82.6	83.0	83.0	83.1	82.7	82.6	82.3	78.9	77.7	72.9	70.6	67.5	67.3	70.6	74.2	79.6	81.8	82.9	82.3	82.2	81.7	78.9	83.1	67.3
31	81.9	81.7	81.9	82.3	82.2	81.7	79.8	79.0	77.9	78.1	78.5	75.2	70.7	68.8	70.4	71.5	75.1	79.7	79.6	79.4	81.1	80.6	79.7	79.5	78.2	82.3	68.8
Avg	76.7	77.6	77.7	78.2	78.5	78.1	77.8	76.7	77.1	75.5	71.8	68.0	64.4	61.9	62.4	63.5	67.1	71.2	72.6	74.1	75.0	75.4	75.3	75.6	73.0	84.7	59.1
Max	96.1	95.2	95.5	94.0	93.9	94.3	94.1	92.9	93.1	90.6	87.6	84.1	84.2	86.7	85.9	87.3	90.2	92.5	89.9	91.7	91.8	91.4	92.4	92.1	90.1	96.1	83.8
Min	50.3	57.7	58.5	59.3	60.4	57.6	57.5	52.5	55.7	53.7	44.9	36.2	35.5	37.2	39.9	41.8	46.7	48.0	49.9	49.6	47.2	50.9	46.9	47.6	54.7	69.1	35.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
October 2012

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.040
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.010
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.040	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.110	0.040
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.050	0.080	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.170	0.080
16	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.050	0.310	0.030	0.000	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.310
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.040	0.000	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.040
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.020	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.030
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.040	0.020	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.120	0.040
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.020	0.020	0.010	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.080	0.020
28	0.000	0.010	0.000	0.000	0.000	0.000	0.010	0.000	0.020	0.030	0.040	0.060	0.080	0.040	0.030	0.030	0.020	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.440	0.080
29	0.000	0.010	0.010	0.000	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.030	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.130	0.030
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.000	0.020	0.010	0.000	0.010	0.010	0.060	0.070	0.390	0.170	0.250	0.190	0.210	0.130	0.100	0.060	0.040	0.010	0.020	0.010	0.010	0.020	0.010	0.010	1.810	0.000
Max	0.000	0.010	0.010	0.000	0.010	0.010	0.040	0.050	0.310	0.050	0.080	0.060	0.080	0.040	0.030	0.030	0.020	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.450	0.310

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
November 2012

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
2	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.010	0.020	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.020
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.010	0.020	0.010	0.030	0.020	0.010	0.000	0.000	0.000	0.120	0.030
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.050	0.020	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.130	0.050
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.020	0.030	0.010	0.010	0.010	0.000	0.010	0.010	0.010	0.010	0.010	0.170	0.030
20	0.000	0.010	0.000	0.020	0.010	0.000	0.010	0.010	0.010	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.090	0.020
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.050	0.050	0.020	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.180	0.050
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020
29	0.000	0.000	0.010	0.000	0.000	0.010	0.000	0.000	0.000	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.010
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.050	0.010	0.060	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.170	0.060
Tot	0.000	0.030	0.040	0.030	0.020	0.010	0.010	0.010	0.030	0.050	0.060	0.100	0.110	0.120	0.170	0.060	0.100	0.030	0.040	0.030	0.020	0.010	0.020	0.010	1.110	0.000
Max	0.000	0.010	0.020	0.020	0.010	0.010	0.010	0.010	0.020	0.020	0.050	0.050	0.020	0.030	0.050	0.020	0.060	0.010	0.030	0.020	0.010	0.010	0.010	0.010	0.180	0.060

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
December 2012

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.100	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.170	0.100
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.030
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Au	Au	Au	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.010	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.010
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.000	0.010	0.020	0.010	0.010	0.000	0.000	0.010	0.000	0.000	0.000	0.040	0.010	0.000	0.000	0.040	0.110	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.290	0.000
Max	0.000	0.010	0.010	0.010	0.010	0.000	0.000	0.010	0.000	0.000	0.000	0.030	0.010	0.000	0.000	0.040	0.100	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.170	0.100

APPENDIX B: PERFORMANCE AUDIT REPORTS, FOURTH QUARTER 2012

BISON
ENGINEERING, INC.

Meteorological Parameters Audit Form

Audit Start Time : 13:15 Audit End Time : 15:15
Client: Tintina Resources Date: 12/20/12
Site: Black Butte
AUDITOR: Chris Hiltunen STATION OPERATOR: Jeff Bell

Temperature

Audit Device
Control Company - digital thermometer Model 61220-601
Serial Number 9935525
Last certified: 8/6/2010

Sensors
Climatronics Model 100093

Fahrenheit = centigrade * 9/5 + 32
centigrade = (Fahrenheit - 32) * 5/9

Audit Value C	DAS 2m C	DAS 19m C	Diff 2m C	Diff 19m C	Diff 2m-19m C
32.3	32.24	32.22	0.06	0.08	0.02
15.7	15.46	15.46	0.24	0.24	0.00
0.2	0.16	0.17	0.04	0.03	-0.01

Wind Direction

Sensor height: 10 Meter
Sensor (Make/model number): Climatronics/ WMIII
Serial Number :
Magnetic Declination 12.6 from NOAA website
Measured Crossarm Degrees 77
Difference 0.4
Audit Device: Climatronics 101966, SN 70
Windvane held on crossarm = 89.7

Threshold Torque
Started at 3.0 gm-cm setpoint on torque disk

Linearity Check from DAS

Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	0.1	0.1	0.1	0.14
30	30.4	29.3	0.4	-0.7
60	59.9	58.6	-0.1	-1.4
90	89.2	88.1	-0.8	-1.9
120	119.2	117.9	-0.8	-2.1
150	148.8	147.8	-1.2	-2.2
180	178.8	178.0	-1.2	-2.0
210	208.9	208.1	-1.1	-1.9
240	239.1	238.2	-0.9	-1.8
270	269.3	268.4	-0.7	-1.6
300	299.9	299.0	-0.1	-1.0
330	330.3	329.4	0.3	-0.6
	MAX DIFF =		-1.2	-2.2

Wind Speed

Sensor height: 10 Meter
Sensor (make/model number): Climatronics/ WMIII
Serial Number :
Calibration device: Climatronics Model 101252-1
SN 60.0

Torque watch - threshold results
CW 0.1 gm-cm
CCW 0.1 gm-cm

Known Value RPM	Known Value m/s	DAS Station Value m/s	DAS Diff. m/s	
0	0.0	0.22	0.22	
300	6.6	NA	NA	- 300 RPM synchronous motor broken
600	13.1	13.18	0.08	

Relative Humidity

Audit Device: Dwyer Sling Psychrometer
Audit Value: NA %RH Too cold for psychometer to work.
Station Value: 43.0 %RH
Diff: NA %RH

Barometric Pressure

Audit Device: Control Company NIST Traceable, no SN. Calibrated to Bison Mercury barometer on 12/14/2012

Audit Value:	24.33	in Hg
Station Value:	24.24	in Hg
Diff:	-0.09	in Hg

Precipitation

Rain Gauge = MetOne Model 375
Level checked OK
Wind Screen in place Heater was not plugged in, snow in funnel.
8" opening

200 ml water added 22 tips recorded
Calibration is 8.24 ml per tip

200/8.24 = 24.27 tips - Audit Value
% diff = 22-24.27/24.27*100= -9.30%

Signature Site Operator :_____

Signature Auditor :_____

Note: These preliminary results are subject to appropriate changes following verification of audit equipment,procedures,and calculations.

TINTINA RESOURCES, INC.
BLACK BUTTE COPPER PROJECT
AMBIENT AIR
MONITORING PROGRAM
Quarterly Data Report
First Quarter 2013

Prepared for:

Tintina Resources, Inc.
17 East Main St
White Sulphur Springs, MT 59645

Prepared by:

Bison Engineering, Inc.
1111 Maggie Lane
Billings, MT 59101
(406) 896-1716
http://www.bison-eng.com

May 15, 2013

CERTIFICATION OF DATA INTEGRITY

Bison Engineering, Inc., certifies the data in this report is an accurate summary of the air quality conditions measured at the Black Butte Copper Project air monitoring site. Every effort was made to obtain accurate and representative data and to comply with the procedures set forth in the *Quality Assurance Project Plan*, the *State of Montana Ambient Air Monitoring Program Quality Assurance Project Plan*, the Environmental Protection Agency's *Quality Assurance Handbook for Air Pollution Measurement Systems: Volume II, Ambient Air Specific Methods (April 1994)*, and EPA's *Quality Assurance Handbook for Air Pollution Measurement Systems, Volume II, Part 1, Ambient Air Quality Monitoring Program Quality System Development (March 1998)*.

Preparer: Jeffrey S. Bell

Signature: Jeffrey S. Bell

Title: Senior Field Technician

Date: 5/3/13

Reviewer: Rebecca L. Picchioni, P.E.

Signature: Rebecca Picchioni

Title: Project Engineer

Date: 5/9/13

TABLE OF CONTENTS

CERTIFICATION OF DATA INTEGRITY ii

1.0 INTRODUCTION 1

2.0 MONITORING SYSTEM OPERATIONS 3

3.0 CALIBRATION DATA 4

4.0 PERFORMANCE AUDIT DATA 5

5.0 DATA COMPLETENESS 6

6.0 MONITORING DATA 11

LIST OF TABLES

Table 1. Monthly Data Completeness 7
Table 2. Quarterly Data Completeness 10
Table 3. Missing Data Codes 12
Table 4. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 13
Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 14
Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 15
Table 7. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower 16

LIST OF FIGURES

Figure 1. Monitoring Site Location 2
Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower 17
Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower 18
Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower 19
Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower 20

APPENDICES

Appendix A: Meteorological Data

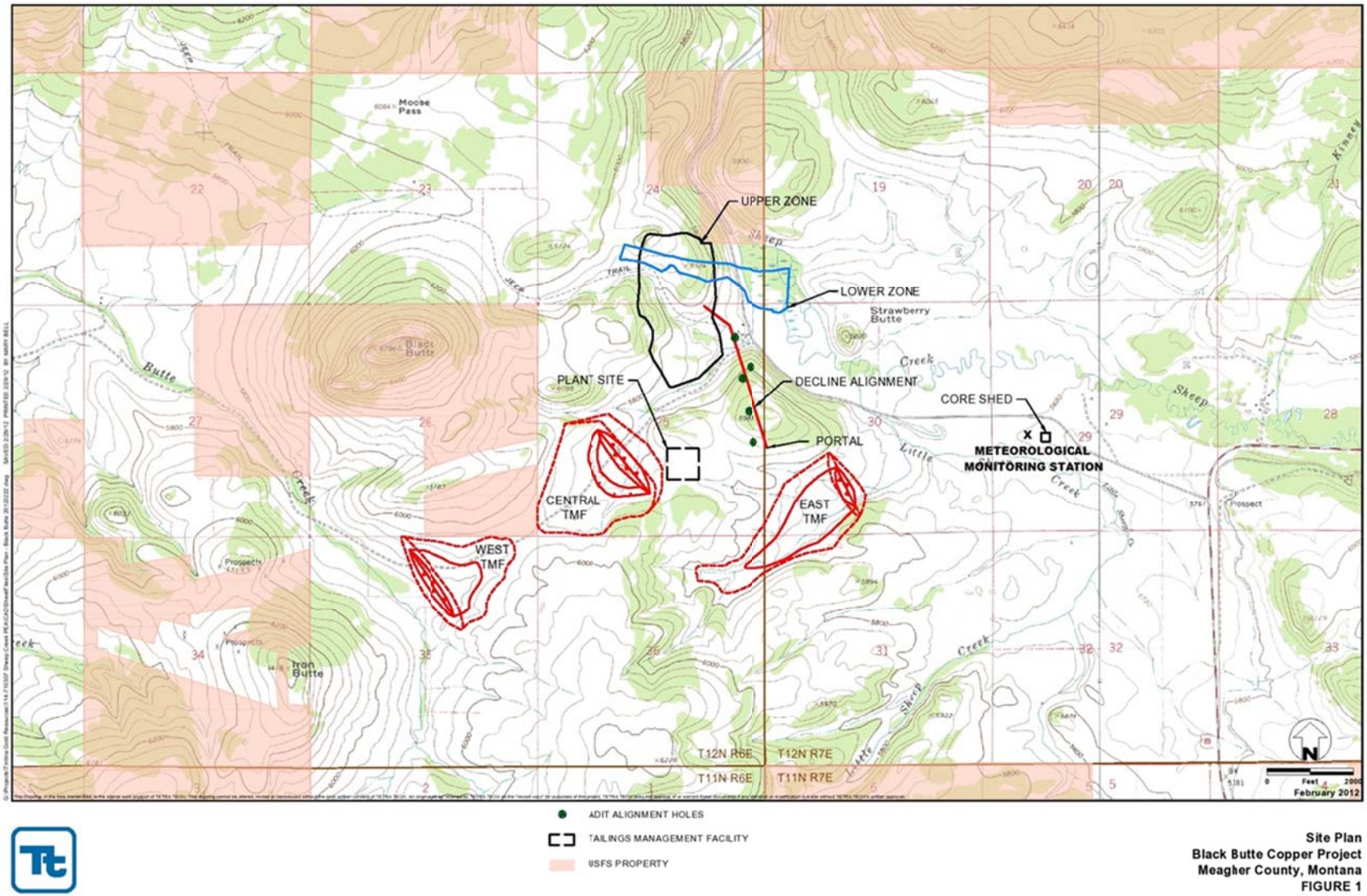
1.0 INTRODUCTION

Tintina Resources, Inc. established an ambient air monitoring site to measure wind speed, wind direction, standard deviation of wind direction, temperature at 9 meters and 2 meters, delta temperature, solar radiation, barometric pressure, and precipitation. The station was established to accurately characterize the local meteorology and collect baseline data in support of an operating permit application and various environmental studies.

The site of the meteorological monitoring system was installed in April 2012. The site is operated by Bison Engineering, Inc., of Helena and Billings. Figure 1 shows the location of the monitoring site.

This report presents the data collected during the first quarter (January through March) of 2013. In addition, a description of the monitoring system operations is presented, together with summaries of quality assurance activities, including calibrations and performance audits. Tabular summaries of the data completeness achieved and the periods of missing data also are presented. Appendix A presents hourly meteorological data collected.

Figure 1. Monitoring Site Location



2.0 MONITORING SYSTEM OPERATIONS

The installation of the monitoring meteorological system equipment took place in April 2012, soon after the equipment was received from the manufacturers. The installation and calibration of the equipment required about two weeks to complete. All meteorological parameters were in full operation and producing valid data by April 30, 2012.

3.0 CALIBRATION DATA

There were no calibrations performed during the first quarter.

Meteorological system calibration is performed:

- No later than 180 days after the most recent calibration that indicated the meteorological system response to be acceptable;
- After an interruption of more than a few days in meteorological system operation;
- Following any repairs which might affect meteorological system calibration;
- Following a physical relocation of the meteorological system; or
- After any other indication of significant inaccuracy of the meteorological system, such as failed system.

4.0 PERFORMANCE AUDIT DATA

Steve Heck of Bison Engineering, Inc. (Bison) conducted performance audits of the meteorological system at the site during the first quarter. The audit of the delta T (temperature difference between the 9 and 2 meter probes) showed the high audit point (at 30.68^{o}C) to be slightly out of the tolerance limit. The two lower audit points showed the delta T to be within the recommended tolerance limits. Since this audit covered only the first quarter and the highest temperature recorded by either probe was 9.1^{o}C, no delta T data was invalidated. All of the other sensor audits produced results within the recommended tolerance limits. The Bison report of the audits is presented in Appendix B.

5.0 DATA COMPLETENESS

The meteorological percentages of data recovery achieved during the first quarter of 2013 are given in Tables 1 and 2. In these tables, the number of possible data values during each month of the quarter is given, together with the number of valid readings and the number of hours spent on quality assurance activities (such as calibrations, performance audits, and maintenance on the sensors). The quality assurance hours are added to the number of hours of valid data to compute the net percentage data recovery.

During the first quarter, the net percentage data recovery was 100.0 percent for all meteorological parameters at Black Butte.

Table 1. Monthly Data Completeness

January 2013					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	744	100.0	0	100.0
Wind Direction	744	744	100.0	0	100.0
Standard Deviation	744	744	100.0	0	100.0
Temperature 9 Meters	744	744	100.0	0	100.0
Temperature 2 Meters	744	744	100.0	0	100.0
Temperature Delta T	744	744	100.0	0	100.0
Solar Radiation	744	744	100.0	0	100.0
Barometric Pressure	744	744	100.0	0	100.0
Relative Humidity	744	744	100.0	0	100.0
Precipitation	744	744	100.0	0	100.0
Total	7,440	7,440	100.0	0	100.0

Table 1. Monthly Data Completeness (Continued)

February 2013					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	672	672	100.0	0	100.0
Wind Direction	672	672	100.0	0	100.0
Standard Deviation	672	672	100.0	0	100.0
Temperature 9 Meters	672	672	100.0	0	100.0
Temperature 2 Meters	672	672	100.0	0	100.0
Temperature Delta T	672	672	100.0	0	100.0
Solar Radiation	672	672	100.0	0	100.0
Barometric Pressure	672	672	100.0	0	100.0
Relative Humidity	672	672	100.0	0	100.0
Precipitation	672	672	100.0	0	100.0
Total	6,720	6,720	100.0	0	100.0

Table 1. Monthly Data Completeness (Continued)

March 2013					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	737	99.1	7	100.0
Wind Direction	744	737	99.1	7	100.0
Standard Deviation	744	737	99.1	7	100.0
Temperature 9 Meters	744	737	99.1	7	100.0
Temperature 2 Meters	744	737	99.1	7	100.0
Temperature Delta T	744	737	99.1	7	100.0
Solar Radiation	744	737	99.1	7	100.0
Barometric Pressure	744	737	99.1	7	100.0
Relative Humidity	744	737	99.1	7	100.0
Precipitation	744	737	99.1	7	100.0
Total	7,440	7,370	99.1	70	100.0

Table 2. Quarterly Data Completeness

First Quarter 2013					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	2,160	2,153	99.7	7	100.0
Wind Direction	2,160	2,153	99.7	7	100.0
Standard Deviation	2,160	2,153	99.7	7	100.0
Temperature 9 Meters	2,160	2,153	99.7	7	100.0
Temperature 2 Meters	2,160	2,153	99.7	7	100.0
Temperature Delta T	2,160	2,153	99.7	7	100.0
Solar Radiation	2,160	2,153	99.7	7	100.0
Barometric Pressure	2,160	2,153	99.7	7	100.0
Relative Humidity	2,160	2,153	99.7	7	100.0
Precipitation	2,160	2,153	99.7	7	100.0
Total	21,600	21,530	99.7	70	100.0

6.0 MONITORING DATA

The hourly data values collected at the monitoring sites are given in the data tables in Appendix A. Each of these tables presents one month's data for all parameters in the monitoring system. In addition, the average, maximum, and minimum values for each parameter for each day are listed (for wind direction, the prevailing wind direction for the day is given). For those hours with missing data, a code is given that explains the reason the data were missing. These codes are given in Table 3.

Monthly and quarterly wind rose distributions from the monitoring site are presented in Tables 4 through 7. These tables give the percentage frequency of occurrence of winds from 16 cardinal directions and from 22 wind speed ranges. These same data are presented graphically in Figures 2 through 5. In the wind rose figures, the length of each "petal" of the rose is proportional to the percentage of time the wind blew from that direction. On the bottom of each figure is a histogram showing the average wind speed from each of the cardinal wind directions.

Table 3. Missing Data Codes

Mnemonic Code	Description	Equivalent EPA Null Value Reason Code
Sc	Scheduled but not collected	9972
Ti	Sample time out of limits	9973
Fi	Filter damage	9976
Op	Voided by operator	9978
ND	Machine malfunction	9980
Wx	Bad weather	9981
Co	Collection error	9983
Lb	Lab error	9984
QA	Poor quality assurance results	9985
Pwr	Power failure	9988
Wi	Wildlife damage	9989
AZ	Automatic zero/span check	9991
ZS	Manual zero/span check	9986
Au	Performance audit	9992
Ma	Routine maintenance/repairs	9993
Ca	Multipoint calibration	9995
PZ	Precision/zero/span	9998

Table 4. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

January 2013																	
Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second) 0.1 - 1.0	2.4	1.9	2.3	3.0	3.1	2.4	2.7	2.2	0.3	0.5	0.3	0.3	0.3	0.5	0.7	1.7	24.5
1.1 - 2.0	1.6	2.2	2.6	3.0	3.0	3.2	3.0	1.7	1.1	0.5	0.3	1.1	1.3	0.7	0.9	0.5	26.6
2.1 - 3.0	0.5	0.1	0.8	2.2	1.3	1.1	0.8	0.8	0.8	0.1	0.1	0.4	1.1	1.6	1.7	0.8	14.4
3.1 - 4.0	0.1	0.0	0.1	1.2	0.1	0.1	0.1	0.1	0.7	0.3	0.0	0.4	1.7	2.0	1.5	0.3	8.9
4.1 - 5.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.7	0.5	0.1	0.7	3.4	1.1	0.3	1.1	8.3
5.1 - 6.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	2.3	0.9	0.5	0.9	5.4
6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.3	0.0	0.3	2.4	0.5	0.7	0.4	4.8
7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.3	2.3	0.1	0.1	0.3	3.4
8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.4	1.1	0.3	0.1	0.1	2.4
9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.0	0.0	0.1	0.8
10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.4	0.0	0.0	0.0	0.5
11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm																	0.0
Total	5.0	4.2	5.8	9.4	7.7	6.9	6.7	5.1	3.9	2.8	0.9	4.2	16.8	7.8	6.6	6.3	100.0
Average Speed	1.5	1.2	1.3	1.8	1.4	1.4	1.4	1.5	3.2	3.8	3.0	4.2	5.4	3.8	3.4	3.5	2.8

Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

February 2013																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.6	1.2	1.8	1.6	3.6	3.3	3.1	1.3	0.1	0.4	0.3	0.1	0.1	0.4	0.7	1.2	21.1
	1.1 - 2.0	0.9	1.0	1.5	2.5	4.5	4.5	2.1	1.2	0.9	0.3	0.1	0.4	0.7	0.4	1.0	0.6	22.8
	2.1 - 3.0	0.1	0.0	0.0	1.3	2.7	0.9	0.4	0.3	0.0	0.1	0.1	0.9	2.1	3.0	1.2	0.1	13.4
	3.1 - 4.0	0.1	0.0	0.0	0.4	0.4	0.1	0.7	0.4	0.1	0.1	0.1	0.6	2.4	2.4	1.5	0.1	9.8
	4.1 - 5.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.6	0.7	0.0	0.6	1.2	1.9	1.8	0.4	0.1	7.7
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.3	0.1	0.3	4.5	1.2	0.4	0.3	7.6
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.6	3.3	1.2	0.6	0.0	7.0
	7.1 - 8.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	3.7	0.1	0.3	0.3	5.8
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.6	0.1	0.3	0.0	2.4
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	0.3	0.4	0.0	2.1
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	3.0	2.2	3.3	6.0	11.5	8.8	6.4	4.3	1.9	1.3	1.8	6.8	21.9	11.0	7.0	2.8	100.0
	Average Speed	1.5	1.1	1.0	1.7	1.7	1.3	1.4	2.3	2.8	2.4	3.8	5.2	5.8	4.1	3.9	2.6	3.3

Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

March 2013																	
Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second) 0.1 - 1.0	1.9	1.2	1.2	2.0	2.0	1.9	1.2	1.8	0.7	0.5	0.4	0.0	0.1	0.8	0.1	0.7	16.7
1.1 - 2.0	0.7	1.1	3.1	3.1	4.1	4.6	3.0	2.2	1.1	0.3	0.9	0.7	1.1	0.7	0.1	0.7	27.4
2.1 - 3.0	0.1	0.4	0.5	1.4	3.8	2.4	1.1	0.3	0.3	0.1	0.3	1.2	2.3	1.4	0.5	0.4	16.6
3.1 - 4.0	0.4	0.1	0.0	0.4	1.1	0.5	0.5	0.3	0.0	0.0	0.4	1.1	2.6	1.4	0.4	0.3	9.5
4.1 - 5.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	1.5	2.4	1.6	0.5	0.3	6.9
5.1 - 6.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.8	3.1	1.2	0.9	0.3	7.1
6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.7	3.0	2.0	0.9	0.0	7.1
7.1 - 8.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	1.4	1.4	0.3	0.0	3.4
8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.5	1.8	0.3	0.0	0.0	2.7
9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.5	0.3	0.0	1.5
10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.1	0.0	0.7
11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.4
12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm																	0.0
Total	3.4	3.4	4.9	7.1	11.0	9.5	5.8	4.9	2.4	1.2	2.0	6.6	19.1	11.7	4.3	2.6	100.0
Average Speed	1.6	2.1	1.4	1.7	1.9	1.7	1.8	1.7	2.1	2.6	1.9	4.4	5.5	5.2	5.3	2.5	3.2

Table 7. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower

First Quarter 2013																		
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	2.0	1.4	1.8	2.2	2.9	2.5	2.3	1.8	0.4	0.5	0.3	0.1	0.2	0.6	0.5	1.2	20.8
	1.1 - 2.0	1.1	1.4	2.4	2.9	3.8	4.1	2.7	1.7	1.0	0.4	0.5	0.7	1.1	0.6	0.7	0.6	25.7
	2.1 - 3.0	0.3	0.2	0.5	1.6	2.6	1.5	0.8	0.5	0.4	0.1	0.2	0.8	1.8	2.0	1.2	0.5	14.8
	3.1 - 4.0	0.2	0.0	0.0	0.7	0.6	0.3	0.5	0.3	0.3	0.1	0.2	0.7	2.2	1.9	1.1	0.2	9.4
	4.1 - 5.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.3	0.5	0.2	0.2	1.1	2.6	1.5	0.4	0.5	7.7
	5.1 - 6.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.5	3.3	1.1	0.7	0.5	6.6
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.8	2.9	1.3	0.7	0.1	6.3
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.5	2.4	0.6	0.2	0.2	4.1
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.4	1.5	0.2	0.1	0.0	2.5
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.8	0.3	0.2	0.0	1.4
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.5
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	3.8	3.3	4.7	7.5	10.0	8.4	6.3	4.8	2.8	1.8	1.6	5.9	19.2	10.1	5.9	3.9	100.0
	Average Speed	1.5	1.5	1.3	1.7	1.7	1.5	1.5	1.8	2.8	3.2	2.8	4.6	5.6	4.4	4.1	3.1	3.1

Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower

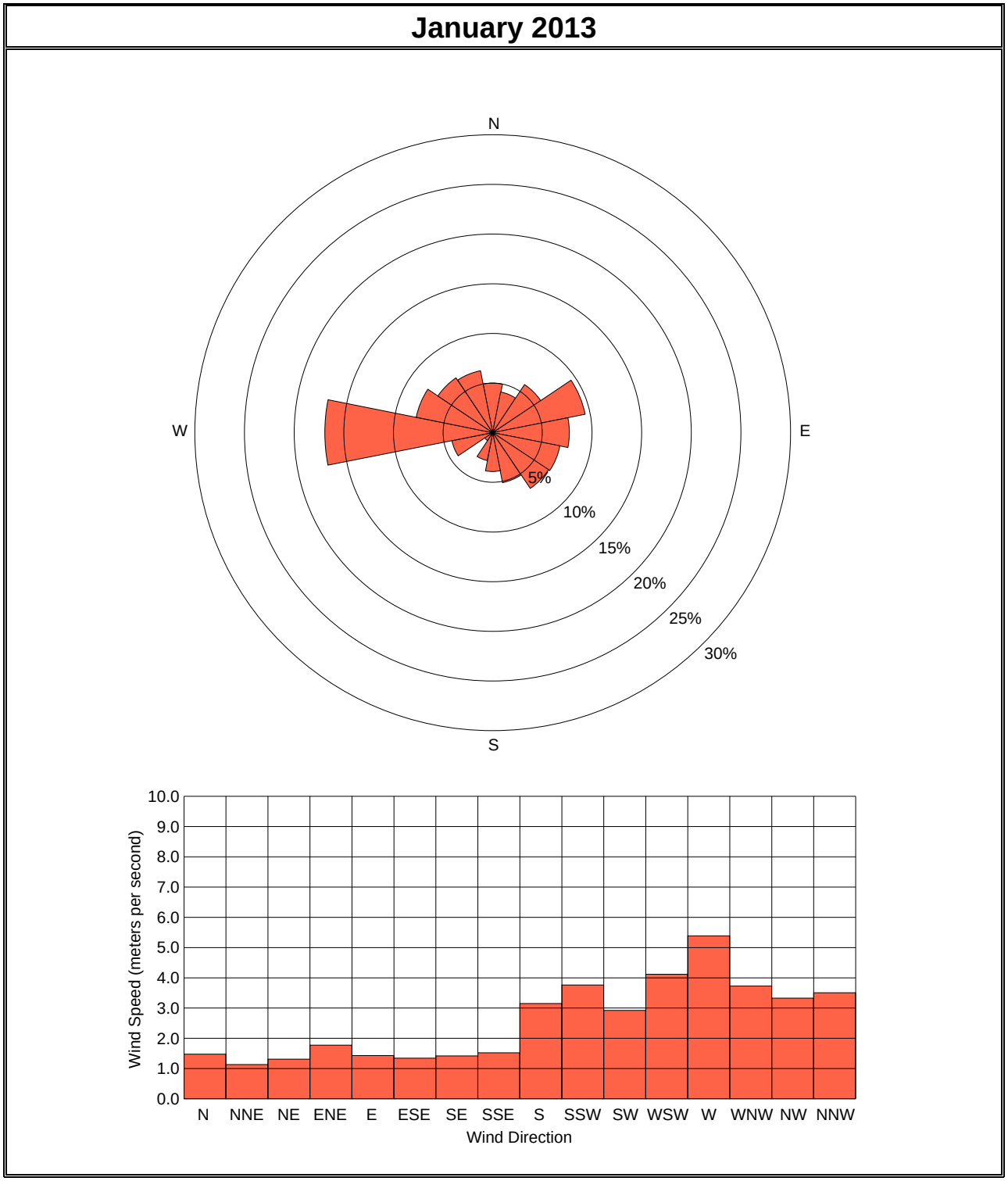


Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower

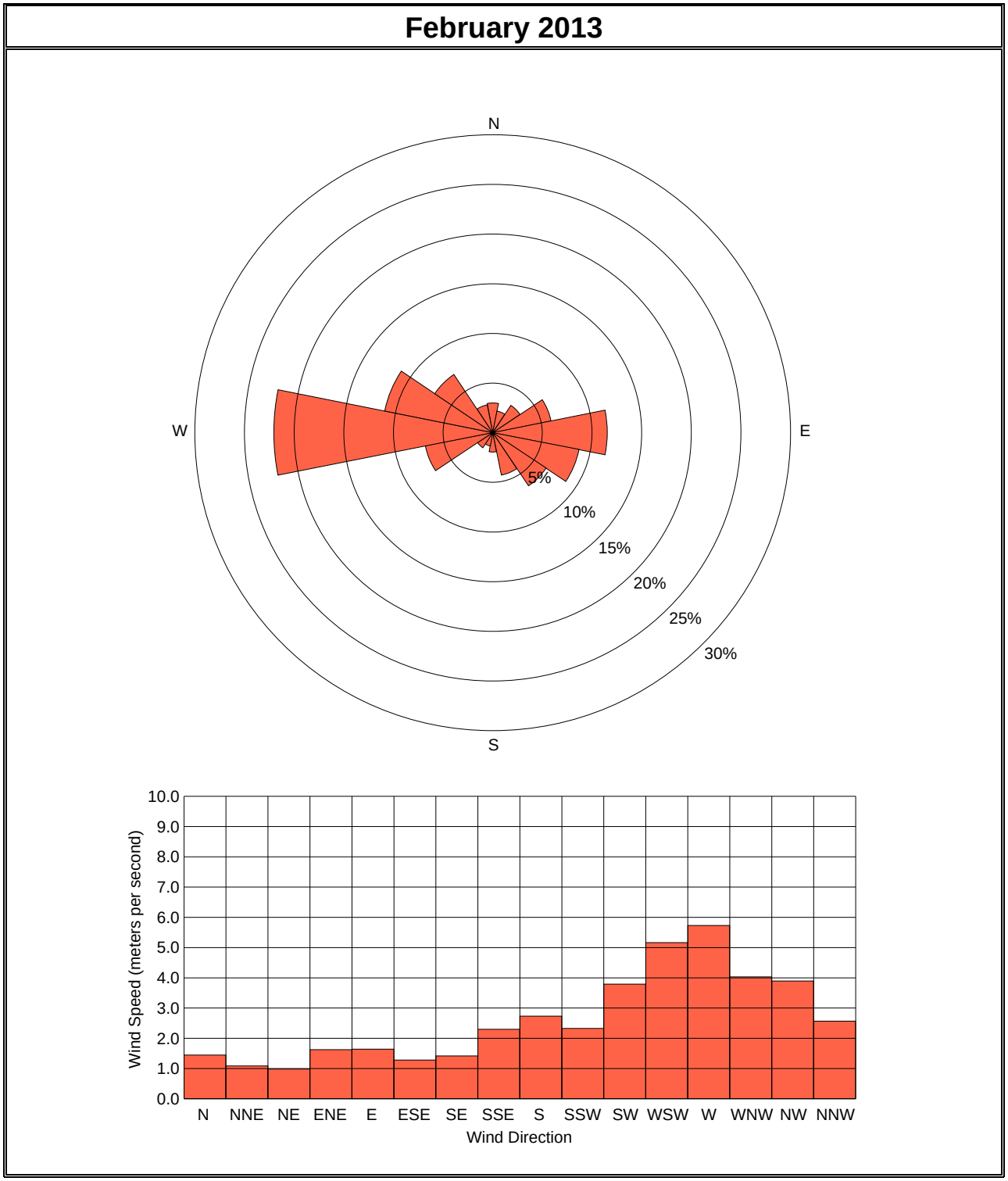


Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower

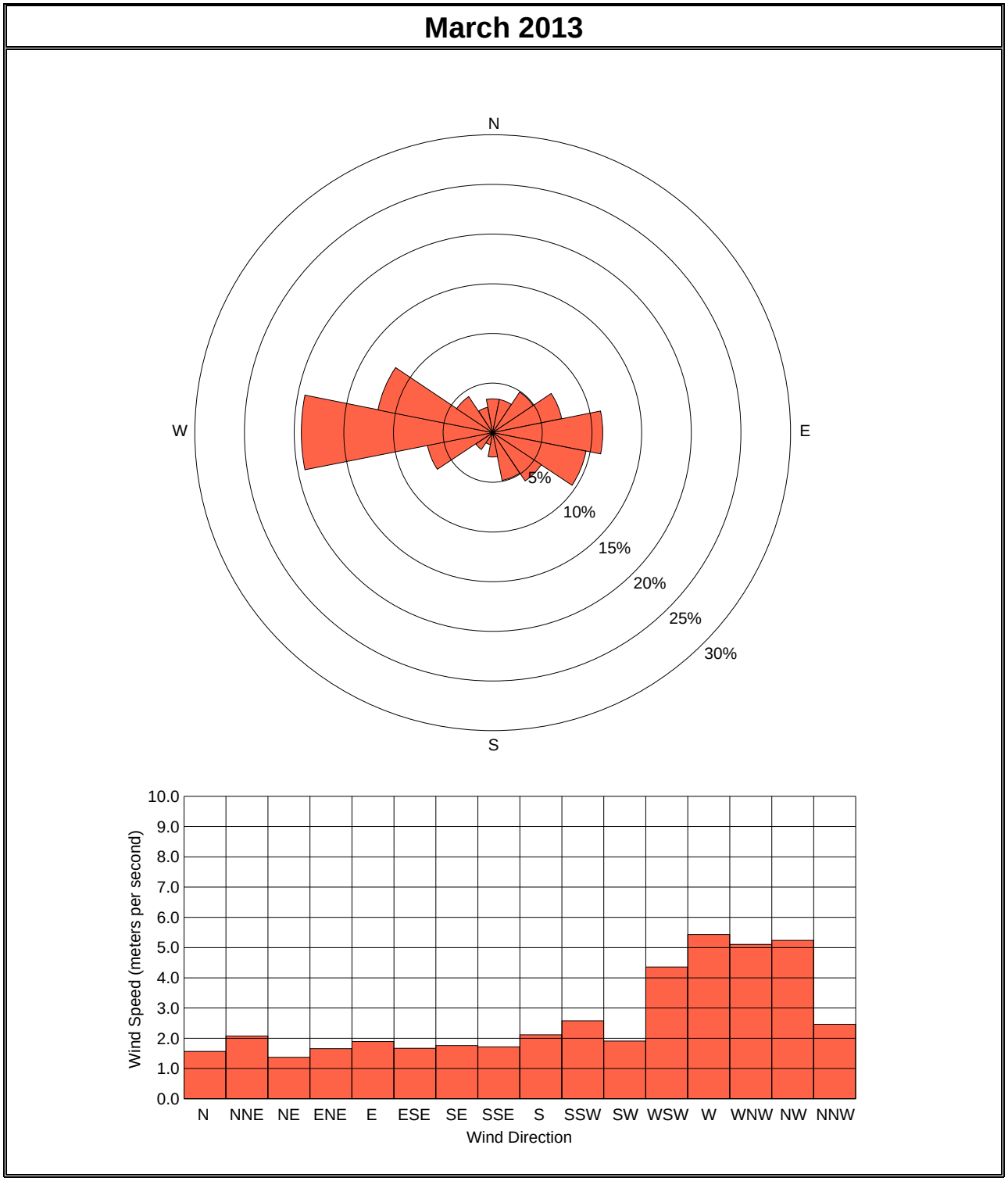
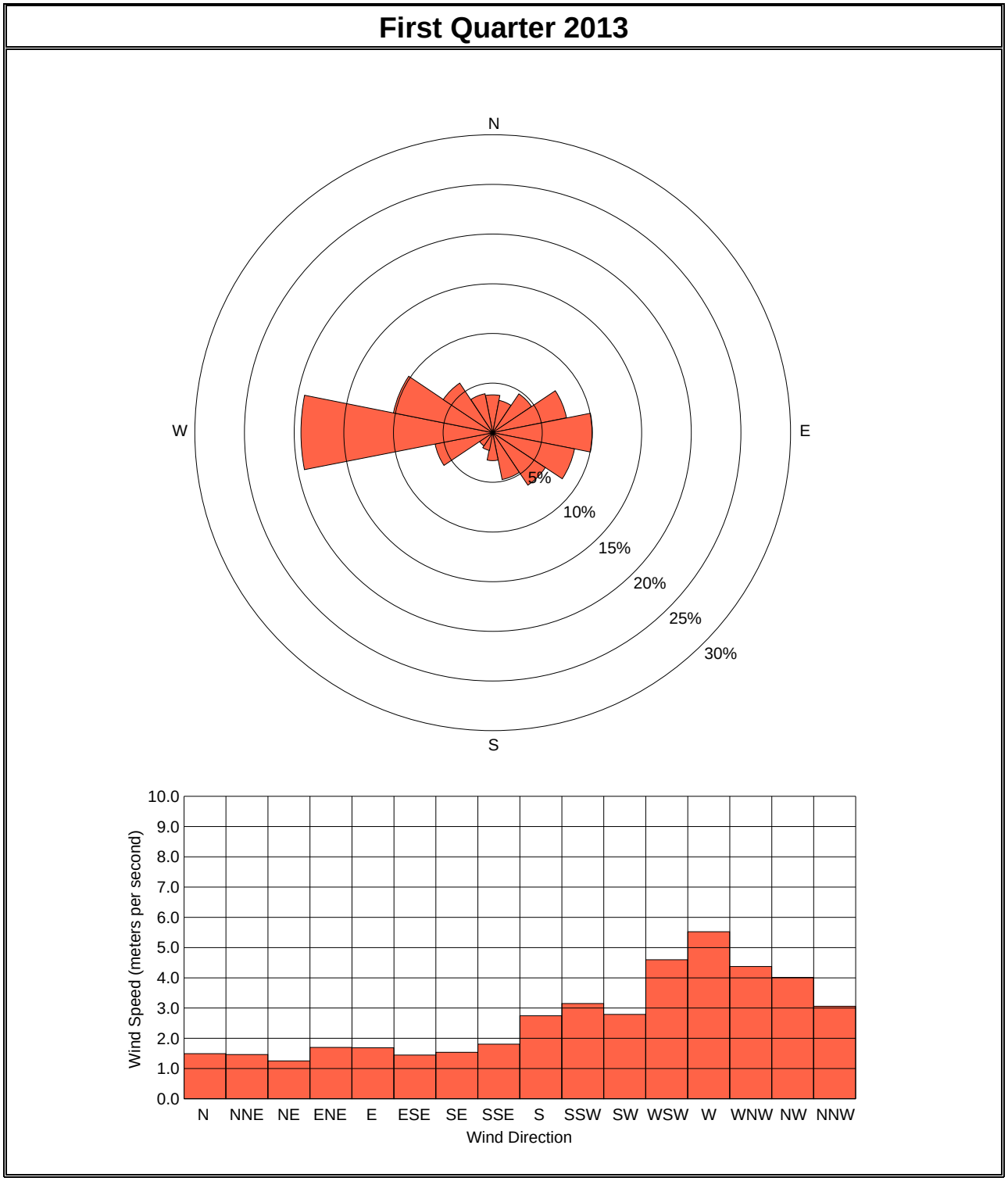


Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower



APPENDIX A: HOURLY AIR QUALITY AND METEOROLOGICAL DATA, FIRST QUARTER 2013

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
January 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.1	1.5	0.9	1.3	2.5	2.3	2.3	1.3	2.4	2.2	2.3	2.3	7.2	6.1	6.1	5.4	3.2	4.2	1.8	1.4	0.9	1.2	1.1	0.7	2.6	7.2	0.7
2	0.9	0.5	0.4	0.6	0.7	0.6	0.4	0.6	0.5	0.6	0.6	0.8	1.4	1.2	1.0	1.1	1.3	2.6	2.3	1.5	1.9	1.6	1.0	1.1	1.1	2.6	0.4
3	1.0	1.3	1.3	1.0	1.2	1.0	1.1	0.7	1.0	0.8	0.9	0.9	0.5	0.7	0.9	1.9	3.4	3.0	2.2	2.3	1.3	1.2	1.2	1.2	1.3	3.4	0.5
4	1.0	1.2	1.1	1.0	0.9	1.1	1.2	1.2	1.5	1.4	1.1	2.8	4.6	6.9	6.5	5.4	4.3	1.4	4.3	4.1	3.5	1.7	2.2	2.1	2.6	6.9	0.9
5	1.6	1.2	2.2	1.6	1.3	0.9	0.6	0.5	0.6	0.5	0.4	0.6	0.6	1.0	0.7	2.4	2.2	3.1	3.3	2.2	2.3	2.8	2.6	2.0	1.5	3.3	0.4
6	2.4	1.7	1.1	0.9	1.2	1.5	1.6	1.8	1.6	1.4	0.8	1.1	3.6	2.8	3.5	5.3	7.4	6.3	5.5	4.2	7.9	4.9	7.0	4.6	3.3	7.9	0.8
7	2.8	1.0	2.3	1.9	0.8	0.9	1.4	1.4	1.3	1.8	0.9	1.3	2.5	5.4	4.7	4.1	4.6	3.9	4.1	4.5	7.5	5.9	9.3	8.2	3.4	9.3	0.8
8	8.7	8.8	7.5	9.8	10.7	10.9	10.5	9.6	9.4	8.7	7.8	8.6	8.6	7.4	6.4	6.6	2.8	0.9	1.2	1.0	1.0	0.9	1.2	1.6	6.3	10.9	0.9
9	2.5	3.6	5.3	2.5	3.5	2.7	2.8	7.0	8.7	6.2	7.3	6.5	8.9	10.3	7.3	8.2	6.7	2.7	4.3	3.5	1.8	1.2	1.1	1.7	4.8	10.3	1.1
10	1.6	1.5	1.0	1.5	2.3	1.5	1.2	2.0	4.6	6.3	5.1	4.9	8.1	9.2	8.9	7.1	8.0	7.9	6.7	5.5	5.9	6.9	6.1	6.3	5.0	9.2	1.0
11	5.5	5.7	5.7	5.7	5.5	5.6	4.8	4.2	4.8	4.6	4.6	3.1	4.0	5.6	5.4	4.9	4.5	2.9	3.5	4.1	1.7	0.7	1.2	1.2	4.1	5.7	0.7
12	0.7	0.8	0.8	0.7	0.6	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.6	1.2	3.9	2.9	2.5	0.8	0.8	0.7	0.5	1.4	2.2	2.2	1.1	3.9	0.5
13	0.7	0.7	0.8	0.6	0.6	0.6	0.9	0.7	0.6	0.8	1.4	2.2	3.5	3.9	3.8	3.8	2.8	1.1	1.3	0.8	0.9	0.7	0.9	1.1	1.5	3.9	0.6
14	0.8	1.1	1.0	0.8	1.1	1.0	1.5	0.8	0.5	0.7	0.9	0.8	1.9	4.9	4.9	3.7	2.0	1.6	1.9	2.2	2.0	2.6	2.2	1.6	1.8	4.9	0.5
15	1.4	1.7	1.3	1.8	1.5	1.7	2.2	4.0	3.6	4.7	4.5	5.0	6.0	4.8	3.8	4.9	4.6	3.0	2.1	2.9	3.7	2.4	1.9	2.1	3.2	6.0	1.3
16	1.9	1.8	3.6	2.9	1.8	1.2	0.9	0.9	1.5	1.0	1.0	0.9	0.8	0.7	1.7	4.8	2.3	1.3	4.3	3.6	2.6	1.8	1.5	1.2	1.9	4.8	0.7
17	1.0	0.9	0.6	0.7	0.7	0.6	0.6	0.7	0.7	0.7	0.8	1.5	3.2	5.8	5.4	4.3	1.8	1.9	1.7	1.6	2.5	1.9	2.3	6.1	2.0	6.1	0.6
18	8.3	7.3	4.0	6.7	7.1	7.8	6.2	5.8	7.0	5.4	7.4	7.4	6.9	6.5	8.0	9.3	8.1	6.0	7.4	5.5	2.7	1.2	1.6	2.7	6.1	9.3	1.2
19	4.0	3.4	2.5	3.4	3.3	3.6	2.2	2.8	3.2	3.3	3.5	5.0	6.8	6.0	5.7	5.6	6.7	7.2	5.5	4.8	4.7	2.6	3.4	2.6	4.2	7.2	2.2
20	1.6	4.8	7.0	4.0	5.1	3.1	4.3	3.1	2.3	1.3	0.6	1.3	1.0	0.8	1.5	1.0	0.6	0.9	1.2	1.1	1.2	0.9	0.6	0.8	2.1	7.0	0.6
21	1.3	1.7	1.9	1.3	1.3	1.0	0.8	1.2	1.3	1.8	2.4	4.6	5.1	5.0	4.6	6.1	5.6	3.9	1.3	2.8	4.3	2.7	2.0	2.2	2.8	6.1	0.8
22	2.0	1.9	1.9	1.4	1.2	1.4	1.3	1.6	0.9	0.8	0.6	1.1	2.7	3.3	4.4	3.9	2.4	2.9	2.1	2.4	1.1	0.8	1.6	1.0	1.9	4.4	0.6
23	1.3	0.7	0.9	0.9	1.0	0.8	0.9	0.8	1.1	0.7	0.6	0.8	1.0	0.8	1.2	2.6	1.3	1.4	1.7	1.4	1.9	1.3	1.5	2.1	1.2	2.6	0.6
24	3.8	4.9	6.0	2.2	4.0	4.6	7.2	7.9	8.2	8.3	8.7	6.9	7.7	8.3	7.5	8.2	6.4	2.5	1.7	1.5	2.1	2.7	2.0	1.6	5.2	8.7	1.5
25	1.3	1.6	1.1	1.2	2.3	1.9	1.5	1.2	1.1	1.2	1.2	1.3	4.2	3.9	2.8	2.6	2.7	3.2	2.6	2.6	2.3	2.5	3.0	2.5	2.2	4.2	1.1
26	3.4	2.7	1.2	1.9	1.2	1.3	1.2	0.9	1.0	1.0	0.7	2.0	4.9	4.8	4.5	4.0	4.3	1.8	3.8	2.9	2.7	1.6	5.8	3.5	2.6	5.8	0.7
27	2.6	2.9	1.4	2.2	2.2	2.0	1.3	1.1	0.9	1.5	2.9	2.4	0.9	1.1	1.3	0.9	1.2	0.9	1.2	1.2	0.9	1.0	1.1	0.9	1.5	2.9	0.9
28	1.0	0.7	0.9	0.4	0.6	0.4	0.5	0.6	0.3	0.6	0.4	0.9	3.2	4.7	4.6	4.9	3.1	1.2	1.2	2.1	0.9	1.2	0.8	1.9	1.5	4.9	0.3
29	0.8	1.8	3.1	3.2	2.8	1.8	1.6	3.8	3.5	4.6	3.2	2.9	7.9	4.8	4.7	4.2	1.9	0.9	1.0	1.2	1.0	0.9	0.7	0.9	2.6	7.9	0.7
30	1.1	1.2	0.7	0.9	1.0	0.7	0.6	0.7	0.6	0.9	2.1	3.0	3.5	6.1	6.5	6.9	3.9	4.4	3.5	3.4	3.8	3.4	3.3	2.5	2.7	6.9	0.6
31	1.1	1.0	2.8	3.5	2.9	2.8	1.2	1.4	2.3	1.1	0.8	0.6	4.1	5.2	5.6	6.0	6.1	6.2	6.1	5.7	6.6	6.0	5.3	4.9	3.7	6.6	0.6
Avg	2.2	2.3	2.3	2.2	2.4	2.2	2.1	2.3	2.5	2.4	2.5	2.7	4.1	4.5	4.4	4.6	3.8	3.0	3.0	2.7	2.7	2.2	2.5	2.4	2.8	6.2	0.8
Max	8.7	8.8	7.5	9.8	10.7	10.9	10.5	9.6	9.4	8.7	8.7	8.6	8.9	10.3	8.9	9.3	8.1	7.9	7.4	5.7	7.9	6.9	9.3	8.2	6.3	10.9	2.2
Min	0.7	0.5	0.4	0.4	0.6	0.4	0.4	0.5	0.3	0.5	0.4	0.5	0.5	0.7	0.7	0.9	0.6	0.8	0.8	0.7	0.5	0.7	0.6	0.7	1.1	2.6	0.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
February 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	4.6	5.5	5.0	5.9	5.6	5.5	5.0	3.3	3.4	3.0	5.2	7.3	7.0	7.9	7.1	7.8	9.8	8.9	8.8	7.4	6.8	5.2	1.8	1.2	5.8	9.8	1.2
2	1.2	1.0	0.8	0.7	0.9	1.2	1.6	1.3	1.3	1.4	0.7	1.0	3.8	6.1	5.1	4.5	3.0	0.8	1.5	1.8	1.6	1.7	1.5	1.1	1.9	6.1	0.7
3	1.0	0.6	0.9	1.0	0.8	0.7	1.2	1.0	2.2	1.5	1.0	1.1	3.7	5.4	6.3	6.2	3.9	3.8	2.6	2.6	2.5	1.6	1.5	4.9	2.4	6.3	0.6
4	5.2	5.4	6.6	3.9	3.1	4.5	5.1	7.3	6.7	7.7	9.2	9.4	9.4	7.8	10.1	7.5	8.6	6.2	8.5	8.3	7.8	6.9	7.9	8.7	7.2	10.1	3.1
5	6.6	4.8	3.0	2.4	2.0	1.2	1.0	1.0	0.9	1.0	1.0	0.9	2.6	4.3	3.3	2.5	2.5	1.2	1.7	1.4	1.1	1.4	1.0	1.2	2.1	6.6	0.9
6	2.2	1.5	2.6	6.2	5.7	2.3	3.8	3.3	2.5	1.7	6.6	6.5	5.8	6.4	6.9	7.4	3.7	2.6	1.7	1.8	1.4	1.2	1.2	1.2	3.6	7.4	1.2
7	1.5	1.0	1.0	0.7	1.0	0.8	1.0	0.8	0.6	0.4	0.5	0.6	4.2	4.2	4.1	5.1	5.4	4.3	1.7	1.2	1.8	2.6	2.5	1.7	2.0	5.4	0.4
8	1.5	1.3	2.9	2.1	2.3	1.6	1.3	1.1	0.6	0.7	0.9	0.8	1.2	2.4	4.6	3.4	2.4	0.6	1.0	0.7	0.5	0.6	0.5	0.5	1.5	4.6	0.5
9	1.2	1.2	0.8	0.9	0.6	0.4	0.5	0.3	0.5	0.4	0.5	1.1	1.5	3.6	4.2	4.6	6.3	3.6	2.7	2.9	3.9	3.6	4.0	4.9	2.3	6.3	0.3
10	5.3	3.6	5.6	7.7	7.7	6.5	9.8	9.6	7.2	7.8	9.1	8.5	8.4	5.8	6.0	5.7	5.0	2.5	1.2	2.9	2.2	1.3	1.9	1.7	5.5	9.8	1.2
11	1.3	0.8	1.1	0.7	1.0	0.6	0.5	0.8	0.5	0.7	0.4	0.9	1.2	3.4	2.3	2.6	4.6	2.2	2.3	4.0	1.7	1.1	0.7	1.3	1.5	4.6	0.4
12	1.0	1.1	1.4	1.2	1.1	2.1	2.5	3.1	3.6	5.1	6.8	7.1	6.2	7.3	7.2	7.2	8.1	7.3	5.1	3.5	2.4	5.7	6.0	7.3	4.6	8.1	1.0
13	7.1	8.6	8.7	6.5	7.6	8.6	9.6	7.8	8.6	7.9	9.6	9.5	9.8	9.9	10.2	8.9	7.8	6.4	6.5	6.1	5.5	5.5	4.7	7.2	7.9	10.2	4.7
14	5.9	6.9	4.8	2.8	3.4	2.5	1.5	1.4	1.0	1.3	0.6	0.8	0.4	0.4	0.7	0.8	1.0	0.8	0.9	0.7	1.3	1.8	2.1	1.3	1.9	6.9	0.4
15	1.0	1.7	3.4	4.3	3.3	2.1	2.5	1.7	0.8	0.5	0.6	1.7	4.0	6.0	5.4	5.5	2.3	2.5	1.0	3.0	2.1	2.3	2.2	2.1	2.6	6.0	0.5
16	2.7	3.7	3.4	2.4	1.8	1.4	0.9	0.7	0.5	0.3	0.9	1.4	2.5	4.4	5.7	4.9	3.5	4.2	2.0	1.0	2.2	3.0	2.9	4.6	2.5	5.7	0.3
17	3.8	6.5	4.8	3.5	4.5	4.8	6.9	5.4	6.3	6.3	6.7	8.4	9.2	9.1	6.4	6.6	5.7	4.4	1.8	2.1	2.1	3.1	3.0	3.2	5.2	9.2	1.8
18	2.4	2.2	1.8	1.5	1.5	1.5	1.0	0.7	0.8	0.6	0.7	0.6	2.5	1.3	1.2	2.8	4.1	3.7	3.8	4.5	3.4	1.7	2.6	1.4	2.0	4.5	0.6
19	1.6	1.6	3.2	3.6	3.6	3.8	3.3	2.3	2.0	2.9	5.4	4.3	4.3	3.6	2.2	2.7	1.0	1.6	2.0	2.4	1.4	0.7	1.0	0.8	2.6	5.4	0.7
20	0.8	0.5	0.6	0.3	0.4	0.4	0.4	0.5	0.4	0.7	0.8	1.2	0.8	1.8	1.8	3.1	2.9	2.8	2.4	1.8	1.2	1.0	1.6	0.9	1.2	3.1	0.3
21	1.5	1.3	1.0	0.9	1.1	0.9	1.4	1.1	0.8	0.3	0.6	2.8	5.0	5.6	5.6	6.1	6.0	5.3	3.1	2.6	1.2	3.5	2.2	2.2	2.6	6.1	0.3
22	0.8	2.0	2.2	1.3	1.3	1.5	1.8	1.6	1.6	1.2	3.1	6.6	8.7	7.8	7.7	7.3	6.6	4.2	1.8	2.0	5.1	5.3	6.2	4.6	3.8	8.7	0.8
23	4.0	1.9	3.3	4.7	1.5	3.7	4.6	4.6	4.9	5.4	8.0	6.7	7.5	6.6	7.3	7.7	6.5	6.1	5.4	3.5	3.2	3.8	5.0	4.4	5.0	8.0	1.5
24	1.9	1.5	1.4	1.2	0.9	1.1	0.8	0.6	0.6	0.7	0.7	4.9	6.0	7.7	7.2	6.6	6.1	5.3	3.0	1.9	2.7	3.0	2.4	2.5	2.9	7.7	0.6
25	2.0	1.9	1.8	2.1	1.2	1.2	1.3	1.4	0.9	0.9	1.0	1.4	3.8	4.2	6.6	4.5	4.3	5.3	3.5	4.2	6.9	3.8	3.5	3.7	3.0	6.9	0.9
26	2.0	2.1	1.3	1.7	1.2	0.8	0.7	1.1	0.6	0.6	1.8	6.2	6.0	7.1	6.0	5.1	4.0	4.6	2.3	1.3	1.2	1.2	1.3	1.8	2.6	7.1	0.6
27	1.7	1.0	0.7	0.7	0.7	0.7	0.5	0.4	0.5	0.6	0.7	1.6	3.0	3.7	4.9	5.6	5.1	4.2	3.0	3.9	4.3	4.7	1.9	2.1	2.3	5.6	0.4
28	2.7	1.9	2.0	1.0	1.3	1.6	1.7	2.0	1.4	1.4	3.9	7.5	6.8	6.8	6.6	5.2	3.4	2.6	3.8	3.1	2.7	2.7	2.4	1.4	3.2	7.5	1.0
Avg	2.7	2.6	2.7	2.6	2.4	2.3	2.6	2.4	2.2	2.2	3.1	4.0	4.8	5.4	5.5	5.3	4.8	3.9	3.0	3.0	2.9	2.9	2.7	2.9	3.3	6.9	1.0
Max	7.1	8.6	8.7	7.7	7.7	8.6	9.8	9.6	8.6	7.9	9.6	9.5	9.8	9.9	10.2	8.9	9.8	8.9	8.8	8.3	7.8	6.9	7.9	8.7	7.9	10.2	4.7
Min	0.8	0.5	0.6	0.3	0.4	0.4	0.4	0.3	0.4	0.3	0.4	0.6	0.4	0.4	0.7	0.8	1.0	0.6	0.9	0.7	0.5	0.6	0.5	0.5	1.2	3.1	0.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
March 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.0	0.7	1.7	2.4	1.9	2.3	5.9	3.8	2.8	6.1	5.9	6.1	5.6	8.0	6.3	7.9	6.1	4.2	2.7	4.4	2.5	2.3	2.3	1.5	3.9	8.0	0.7
2	1.8	1.5	2.4	3.5	2.0	3.0	2.2	1.6	0.8	2.4	0.9	1.1	1.1	1.8	0.6	1.7	3.6	2.6	3.4	2.4	2.8	3.5	2.3	1.3	2.1	3.6	0.6
3	1.7	1.2	1.0	1.1	0.9	1.6	1.2	1.7	2.7	4.5	6.3	9.9	11.2	9.7	10.8	13.2	11.5	9.0	9.0	10.3	7.9	8.0	9.1	7.3	6.3	13.2	0.9
4	9.5	7.7	6.8	6.7	5.3	5.1	5.3	4.7	5.8	4.3	4.0	5.7	7.0	7.0	6.0	6.1	4.3	2.5	1.4	2.0	2.9	2.0	2.6	1.8	4.9	9.5	1.4
5	1.7	1.8	1.1	1.3	0.9	1.4	1.5	1.6	1.2	0.6	2.5	3.8	3.8	3.9	3.0	2.7	3.1	2.4	3.3	4.7	2.9	2.1	2.8	2.5	2.4	4.7	0.6
6	2.5	1.0	1.2	1.4	1.7	1.2	1.8	1.4	1.4	1.1	2.0	7.1	5.1	5.3	3.0	2.8	2.1	2.2	1.8	3.1	1.7	1.0	0.9	1.4	2.3	7.1	0.9
7	1.3	2.2	1.6	1.3	0.6	1.0	1.2	2.2	4.7	3.9	5.5	7.0	6.7	5.1	3.9	3.5	2.4	1.7	1.2	1.2	1.2	1.9	2.3	1.7	2.7	7.0	0.6
8	0.8	1.0	1.4	1.1	1.6	0.7	0.6	0.6	0.5	0.6	0.8	1.6	2.6	4.0	4.7	4.7	4.8	3.4	1.1	1.8	0.9	1.2	0.7	0.6	1.7	4.8	0.5
9	0.5	0.6	0.7	0.6	0.6	0.6	0.4	0.4	0.3	0.4	3.0	6.3	7.6	7.3	6.3	6.8	7.5	5.8	1.5	1.4	0.8	1.2	1.0	0.7	2.6	7.6	0.3
10	1.6	1.5	1.5	1.5	1.9	1.6	1.5	1.4	1.0	1.0	5.6	6.5	4.8	4.6	5.7	5.6	2.9	1.2	0.6	6.0	8.9	11.2	8.3	5.4	3.8	11.2	0.6
11	3.7	2.0	1.4	2.6	4.8	3.5	4.7	5.5	6.7	5.2	6.8	7.1	10.0	7.2	6.1	6.1	5.9	5.4	4.7	4.6	2.3	1.9	2.2	1.6	4.7	10.0	1.4
12	1.6	1.4	1.8	1.3	1.4	1.3	0.9	0.8	0.9	1.0	0.7	0.5	2.0	3.4	3.9	3.8	2.5	1.4	4.1	2.0	2.7	1.9	3.9	5.5	2.1	5.5	0.5
13	3.4	1.7	2.3	2.5	1.1	2.0	2.5	2.1	1.5	6.0	4.5	4.7	5.0	3.6	5.9	4.1	2.8	2.6	4.1	3.3	4.0	2.2	1.4	1.5	3.1	6.0	1.1
14	1.6	1.8	3.4	1.8	1.8	1.6	1.0	0.9	0.7	0.8	1.0	0.8	0.7	1.0	0.9	1.1	0.7	0.6	1.6	1.4	2.2	2.2	1.8	1.6	1.4	3.4	0.6
15	1.2	3.9	3.7	2.3	5.3	5.6	6.5	8.4	9.6	8.6	7.2	8.0	7.0	5.3	6.3	5.9	5.1	5.9	1.9	1.8	2.9	3.0	2.2	2.0	5.0	9.6	1.2
16	0.9	0.4	0.8	0.9	1.1	1.0	1.4	1.1	3.2	4.7	5.9	4.7	2.6	4.3	5.7	3.9	4.9	4.2	1.9	2.2	1.3	1.8	2.3	3.3	2.7	5.9	0.4
17	1.5	6.4	2.8	2.0	1.5	4.0	7.7	9.8	8.3	9.8	8.8	10.4	10.0	9.1	7.8	7.0	6.0	5.5	2.8	1.4	0.9	1.2	0.8	0.5	5.3	10.4	0.5
18	0.6	0.4	0.7	0.4	0.7	0.8	0.9	0.9	0.9	1.4	4.6	6.7	6.0	8.9	10.0	10.3	8.7	7.5	4.9	4.9	4.3	1.9	1.8	4.2	3.9	10.3	0.4
19	2.7	0.9	3.7	2.7	2.7	2.8	1.5	1.2	2.9	4.7	7.4	7.0	6.1	4.7	2.7	1.3	1.2	1.5	2.1	2.7	3.7	3.1	2.6	3.6	3.1	7.4	0.9
20	2.6	2.4	2.5	2.2	1.5	1.7	1.1	2.1	3.6	8.4	Au	Au	Au	Au	Au	Au	Au	6.7	6.3	6.2	5.2	8.3	7.6	1.8	4.1	8.4	1.1
21	2.1	4.0	5.4	5.7	6.4	7.8	6.4	6.7	7.9	10.8	8.9	8.8	8.7	8.9	8.8	8.5	8.6	8.4	6.2	6.5	4.2	1.4	2.2	3.6	6.5	10.8	1.4
22	3.5	3.1	1.2	1.3	0.8	0.8	0.7	0.9	4.8	6.8	7.0	6.9	6.9	5.8	6.1	6.3	5.5	7.6	5.6	3.2	3.6	4.2	3.1	1.8	4.1	7.6	0.7
23	2.4	2.6	1.8	2.0	1.7	1.0	1.3	0.7	0.6	0.7	3.2	5.6	5.7	6.7	7.1	6.9	5.4	4.1	3.4	2.8	1.1	2.6	2.7	2.0	3.1	7.1	0.6
24	1.3	1.1	2.1	1.7	1.8	1.5	1.2	0.7	0.6	1.2	5.8	6.7	6.6	6.4	6.9	6.1	5.3	4.1	1.7	2.0	2.5	2.7	3.3	3.4	3.2	6.9	0.6
25	3.6	3.0	2.3	2.8	2.1	2.6	1.8	1.4	0.9	1.0	1.6	3.9	3.7	3.4	2.6	3.7	4.1	3.8	1.8	2.0	2.5	2.4	2.3	2.3	2.6	4.1	0.9
26	1.8	1.5	1.7	1.0	0.9	1.0	1.5	0.7	0.5	0.4	1.4	2.1	2.4	2.8	1.9	2.6	2.0	1.7	0.9	2.7	3.5	2.0	0.9	1.1	1.6	3.5	0.4
27	1.1	1.3	2.3	2.1	1.8	1.9	1.2	0.7	0.4	0.4	0.9	3.8	4.0	3.1	3.8	3.6	3.7	1.0	1.2	3.0	3.7	3.0	1.6	1.7	2.1	4.0	0.4
28	2.3	1.4	2.9	2.7	2.4	1.6	1.4	1.2	0.6	0.5	0.9	2.5	2.7	1.7	1.6	2.1	3.7	3.4	4.1	1.5	1.4	2.0	1.4	1.3	2.0	4.1	0.5
29	0.8	1.2	1.4	1.6	1.2	1.4	0.9	1.1	0.7	1.5	5.0	7.1	7.2	7.0	5.6	4.9	5.5	4.2	2.7	1.0	1.6	1.3	2.1	2.2	2.9	7.2	0.7
30	1.0	1.2	0.9	0.7	0.8	0.6	0.6	0.4	0.6	2.1	6.5	5.6	6.1	5.4	4.1	4.3	3.5	4.1	3.6	1.1	1.6	1.9	1.1	1.2	2.5	6.5	0.4
31	0.9	0.8	1.2	1.2	0.7	1.0	0.7	0.4	0.5	3.0	4.8	4.1	5.0	3.7	2.5	3.0	2.2	3.0	3.2	2.0	2.3	1.9	1.5	1.4	2.1	5.0	0.4
Avg	2.0	2.0	2.1	2.0	1.9	2.1	2.2	2.2	2.5	3.4	4.3	5.4	5.5	5.3	5.0	5.0	4.5	3.9	3.1	3.1	2.9	2.8	2.6	2.3	3.2	7.1	0.7
Max	9.5	7.7	6.8	6.7	6.4	7.8	7.7	9.8	9.6	10.8	8.9	10.4	11.2	9.7	10.8	13.2	11.5	9.0	9.0	10.3	8.9	11.2	9.1	7.3	6.5	13.2	1.4
Min	0.5	0.4	0.7	0.4	0.6	0.6	0.4	0.4	0.3	0.4	0.7	0.5	0.7	1.0	0.6	1.1	0.7	0.6	0.6	1.0	0.8	1.0	0.7	0.5	1.4	3.4	0.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
January 2013

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	48	13	353	107	74	67	44	14	59	54	329	319	293	287	291	316	297	260	277	183	181	42	89	18	4
2	73	11	40	59	77	37	341	91	36	22	7	309	338	345	353	312	109	89	17	353	30	78	37	32	28
3	34	105	146	114	156	153	152	108	134	118	134	144	12	338	26	61	69	87	118	123	161	161	159	148	117
4	114	108	116	152	88	74	141	72	30	99	316	297	275	275	274	266	271	213	268	250	261	281	299	294	265
5	294	50	73	57	105	64	92	358	90	87	241	337	95	145	41	138	120	97	108	130	123	119	128	134	95
6	91	131	178	161	144	125	87	47	81	91	48	144	280	292	293	281	262	277	273	284	278	293	279	262	247
7	255	233	269	238	204	116	272	145	102	77	82	115	245	206	197	168	197	198	234	263	272	263	267	269	217
8	257	258	262	273	274	274	274	272	274	273	271	273	271	272	265	272	329	119	89	286	58	121	116	104	270
9	132	193	205	175	174	194	166	199	201	204	168	137	215	197	175	176	179	177	213	181	140	141	57	88	174
10	101	58	355	106	172	227	108	244	307	320	320	351	325	327	329	341	335	326	322	319	334	340	336	317	333
11	317	328	330	336	335	343	341	338	344	333	348	341	345	354	348	345	340	327	257	275	336	43	194	274	331
12	94	90	100	58	69	350	74	326	122	134	22	106	115	308	297	284	280	154	28	315	4	290	305	338	26
13	64	334	143	156	342	158	142	164	147	235	309	269	280	262	262	261	256	207	278	331	123	99	66	3	235
14	287	75	50	12	136	61	102	148	29	111	323	107	321	278	291	283	295	28	36	53	69	58	56	46	39
15	34	11	349	335	3	20	316	285	295	272	280	277	266	263	271	269	276	305	311	299	296	303	358	351	310
16	353	357	67	60	69	33	89	7	69	3	96	139	48	333	292	272	309	13	79	72	64	21	53	40	37
17	88	42	9	78	6	4	63	13	23	28	108	31	310	272	289	279	271	259	277	56	72	2	66	337	10
18	292	266	265	278	270	264	263	268	277	299	280	261	262	253	244	243	240	254	263	267	308	31	5	41	275
19	64	74	75	75	71	68	66	53	54	321	271	271	279	277	284	286	275	279	278	276	294	4	73	74	351
20	49	325	317	286	298	299	283	266	262	325	276	178	89	156	144	128	137	84	64	2	36	51	34	348	353
21	58	18	33	35	83	336	49	66	71	57	9	273	279	276	279	288	291	307	31	90	78	90	73	64	26
22	75	61	85	46	48	39	16	87	40	355	20	56	320	307	291	295	355	89	111	99	51	21	101	355	38
23	92	116	135	157	150	101	98	137	162	197	130	73	288	155	135	150	154	118	125	139	89	77	359	114	126
24	185	204	252	62	269	259	259	253	269	282	280	274	280	272	276	274	276	234	238	119	82	74	68	85	258
25	126	116	116	100	85	119	109	98	112	137	101	189	169	172	172	159	140	130	116	96	131	178	180	154	133
26	156	148	114	114	83	125	133	132	200	140	337	130	188	177	183	182	169	172	276	283	272	242	299	302	173
27	294	301	184	290	285	273	173	156	269	299	269	264	152	239	246	58	111	351	131	125	45	106	98	34	240
28	132	85	75	63	138	63	93	94	349	89	168	111	249	249	254	260	255	212	164	159	98	153	212	170	144
29	120	267	296	316	325	80	152	266	310	327	354	332	262	276	255	247	227	356	139	149	69	139	65	76	301
30	112	314	128	330	336	338	188	70	290	22	336	324	304	272	293	306	288	296	311	320	304	293	292	276	311
31	241	240	305	325	321	321	252	99	59	38	160	311	290	264	263	270	262	255	262	262	260	265	261	264	275
Prev	80	40	68	61	68	45	105	81	36	26	331	294	284	268	273	268	262	240	269	278	44	55	47	20	350

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
February 2013

	<< Hour >>																							
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	265	270	284	277	261	270	272	290	292	276	272	269	263	263	272	275	274	271	268	274	284	280	76	119	273
2	105	83	86	113	94	63	80	59	48	88	321	341	264	255	254	260	277	50	119	84	82	103	95	101	77
3	117	104	141	135	94	324	101	328	88	346	121	117	303	264	267	274	277	286	294	289	79	96	37	259	19
4	269	272	278	300	316	284	270	267	266	268	260	261	260	264	273	266	256	262	276	276	275	276	276	276	273
5	265	266	288	84	101	68	86	103	96	91	107	66	205	279	264	288	254	212	96	85	74	117	77	73	99
6	91	182	288	273	262	301	282	69	61	86	268	262	266	257	256	258	263	246	170	135	142	149	104	90	229
7	65	131	113	150	152	131	136	128	84	348	111	331	187	158	162	154	154	151	154	98	91	115	96	116	126
8	136	117	61	71	57	38	98	120	7	106	125	157	140	273	256	255	231	207	93	348	1	216	310	94	104
9	49	95	5	29	64	51	96	37	95	152	78	62	315	311	299	285	309	304	314	317	314	316	317	329	360
10	342	312	317	331	331	322	315	315	317	318	311	314	316	308	283	289	281	268	46	79	62	17	54	39	330
11	113	71	123	132	141	129	102	110	133	153	99	22	343	297	300	279	279	285	6	83	121	172	197	158	120
12	221	143	134	25	318	282	305	265	269	260	254	253	258	259	267	265	268	266	269	270	245	265	265	266	264
13	279	273	271	273	262	260	255	256	264	270	269	281	286	278	281	280	275	292	280	276	277	314	303	3	279
14	333	319	317	271	294	304	262	221	165	140	354	356	39	107	104	130	126	122	265	14	353	310	323	349	332
15	360	330	308	318	328	134	87	85	48	197	42	329	294	261	278	282	286	253	8	89	92	77	75	86	1
16	85	68	73	64	45	57	65	116	112	240	297	351	295	234	233	221	239	255	266	57	100	68	92	92	75
17	224	251	290	283	256	260	282	286	287	278	287	287	280	283	304	303	298	315	277	305	297	297	298	311	285
18	301	293	355	294	44	106	128	356	140	73	329	55	253	290	31	130	154	135	88	88	120	128	114	99	81
19	107	150	147	145	129	133	137	94	109	151	160	177	170	150	112	144	327	147	155	148	111	57	114	92	132
20	80	131	79	325	90	41	12	97	35	132	294	257	286	309	276	290	300	292	296	288	203	132	82	23	347
21	77	115	100	132	94	133	108	128	149	321	75	274	255	257	261	267	259	263	255	256	323	270	272	268	235
22	160	248	319	349	96	60	87	60	91	102	263	261	257	257	237	237	240	256	188	186	203	207	216	216	219
23	198	183	176	187	105	254	280	274	270	268	260	268	260	276	275	277	285	297	297	291	307	302	292	294	267
24	357	92	108	80	51	85	115	79	355	102	18	255	265	255	254	260	261	272	277	274	266	279	324	294	306
25	319	85	123	108	106	127	126	155	176	97	15	157	151	172	232	231	251	261	268	256	254	275	281	85	180
26	71	82	90	83	20	95	345	133	53	116	251	278	279	287	283	285	300	296	332	140	110	60	106	114	50
27	115	90	10	57	107	112	34	4	127	162	79	323	283	276	260	275	277	285	275	277	287	299	25	107	340
28	84	69	60	27	105	12	28	70	126	110	267	259	251	249	258	259	269	260	295	10	109	84	80	54	40
Prev	78	118	47	42	71	62	73	79	88	137	310	292	267	264	265	261	267	263	280	319	61	303	36	67	285

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
March 2013

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	75	129	69	304	329	330	286	266	269	262	278	268	267	264	259	261	267	263	263	265	257	238	244	17	275
2	183	7	78	71	2	232	85	150	1	99	13	96	51	147	351	221	255	265	251	82	100	92	90	131	86
3	138	54	294	73	163	105	47	95	256	256	270	285	280	284	278	285	285	288	303	312	294	294	301	312	293
4	312	312	304	297	320	318	303	297	308	311	311	313	300	300	298	267	286	10	66	54	77	92	90	116	323
5	121	141	167	135	122	154	122	135	134	222	130	132	136	151	141	138	139	121	142	151	129	110	87	90	134
6	84	156	151	152	165	152	136	148	174	319	174	159	153	281	116	125	143	188	71	155	112	150	171	171	150
7	173	285	149	183	31	83	121	220	255	269	268	260	250	260	279	271	259	222	111	66	82	29	79	104	219
8	301	345	41	350	150	313	56	352	36	149	163	275	285	269	251	251	252	258	140	110	61	98	130	3	331
9	43	4	358	48	5	67	92	121	64	90	280	284	287	298	287	273	258	263	264	150	66	75	94	38	13
10	68	40	56	106	83	71	30	44	126	53	267	263	254	272	275	256	269	109	156	282	279	280	274	271	313
11	285	346	115	283	268	282	284	271	284	309	311	284	304	298	306	302	335	11	15	321	16	144	90	48	314
12	80	142	109	139	109	88	142	154	60	179	7	122	82	80	78	80	77	11	68	69	104	52	261	273	93
13	276	332	238	84	228	141	213	132	254	263	280	260	291	267	267	262	273	245	269	292	304	294	67	152	261
14	116	125	81	101	77	132	181	119	359	334	93	218	126	109	94	112	290	100	119	108	81	47	90	51	99
15	93	288	261	269	257	281	269	270	280	258	268	271	276	266	288	290	282	282	203	284	79	69	98	98	273
16	68	57	207	104	117	94	116	50	279	270	257	299	31	278	263	258	247	254	271	118	124	122	117	272	203
17	89	282	255	336	244	267	278	275	270	274	280	283	278	289	288	280	289	294	346	186	201	269	338	329	282
18	182	302	88	350	150	119	131	141	64	233	270	269	274	274	269	274	274	270	274	264	259	279	221	261	254
19	273	196	258	260	286	273	233	183	262	284	283	278	278	265	272	56	32	71	117	110	107	122	123	109	242
20	121	145	148	149	140	131	51	108	112	193	Au	Au	Au	Au	Au	Au	Au	188	186	192	184	257	276	223	163
21	175	260	260	270	296	284	278	269	266	262	268	270	262	256	258	259	265	262	274	279	280	269	260	275	266
22	283	292	293	242	262	211	168	302	290	261	303	290	295	304	312	320	19	24	30	343	323	325	358	9	308
23	48	71	72	48	53	65	79	109	144	79	275	258	279	290	283	287	328	329	349	48	63	83	83	61	38
24	30	26	55	35	43	58	49	106	113	65	252	255	265	256	252	258	252	253	244	143	104	95	98	100	74
25	83	88	103	93	108	92	103	117	151	349	20	219	230	233	275	298	293	294	254	119	96	68	113	66	101
26	56	81	73	147	85	93	84	354	223	345	116	254	286	277	285	294	264	282	140	111	78	129	167	104	101
27	86	87	79	76	82	80	73	123	11	90	17	269	270	297	277	302	335	297	160	114	87	85	44	84	60
28	92	84	101	74	92	94	101	97	113	1	20	289	261	279	342	301	251	248	255	296	130	71	80	117	68
29	161	100	97	104	31	51	33	110	181	144	259	267	273	273	281	293	279	287	307	51	82	148	112	85	95
30	64	68	59	14	79	26	90	70	114	247	305	313	308	279	291	289	277	254	243	195	149	111	108	120	31
31	123	58	51	58	20	43	78	40	16	319	331	306	5	2	347	16	299	313	29	71	71	138	105	121	33
Prev	95	50	91	75	78	85	96	119	254	280	290	268	279	275	284	279	280	278	239	113	93	96	102	82	298

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
January 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	37	44	21	60	14	15	21	50	30	35	23	50	8	10	9	10	19	7	35	54	74	50	54	66	33	74	7
2	63	59	63	89	74	81	93	53	75	68	93	86	75	34	45	37	51	25	31	33	36	58	48	65	60	93	25
3	77	54	35	49	28	33	35	77	44	67	37	54	64	67	36	17	9	19	20	22	30	42	70	67	44	77	9
4	81	84	84	70	74	73	61	87	53	52	71	77	15	16	14	10	22	72	23	19	17	38	68	60	52	87	10
5	54	55	32	21	33	68	71	56	68	70	96	51	85	15	48	14	13	20	19	19	19	16	18	24	41	96	13
6	22	37	52	60	51	56	71	51	59	64	91	52	16	14	11	12	10	19	24	43	12	16	10	11	36	91	10
7	18	49	32	19	48	37	93	62	37	47	69	42	65	14	16	13	9	10	11	14	12	13	12	11	31	93	9
8	8	8	10	11	10	9	9	10	10	10	10	10	11	12	10	14	54	43	75	86	86	82	33	46	28	86	8
9	45	36	18	31	12	27	32	10	7	9	21	15	42	16	8	8	11	34	17	35	77	68	82	45	29	82	7
10	54	68	68	74	73	81	25	61	29	7	17	24	8	7	8	13	9	10	11	11	11	11	15	8	29	81	7
11	11	11	15	12	9	14	13	12	12	8	16	19	19	14	12	12	9	20	12	24	32	81	77	84	23	84	8
12	88	88	84	87	91	78	73	82	46	44	89	97	68	68	23	12	18	83	55	42	64	59	18	54	63	97	12
13	61	53	67	62	76	88	35	50	75	59	23	35	13	11	11	8	35	65	79	68	75	60	89	61	52	89	8
14	90	26	81	59	51	74	74	82	97	87	34	80	56	16	13	18	46	28	25	14	10	22	16	14	46	97	10
15	33	39	23	20	27	51	38	14	20	13	14	13	13	14	20	15	16	30	36	23	11	14	30	22	23	51	11
16	18	26	12	33	43	50	72	80	78	80	76	49	60	81	42	12	57	39	9	48	22	34	40	45	46	81	9
17	67	61	54	71	81	76	57	75	84	86	74	57	54	15	14	18	42	53	85	38	35	63	50	78	58	86	14
18	16	15	27	13	11	9	11	13	12	13	9	10	11	9	10	7	8	9	9	10	28	65	33	20	16	65	7
19	15	13	23	28	12	12	52	26	21	48	15	12	10	9	9	11	12	9	10	9	14	48	11	25	19	52	9
20	30	16	10	25	12	30	10	11	10	23	46	47	50	30	11	20	92	49	25	46	28	23	49	57	31	92	10
21	34	48	38	44	40	45	50	47	57	53	64	15	14	13	13	10	14	42	51	41	25	30	31	37	36	64	10
22	50	41	56	51	41	45	49	50	76	84	77	68	19	15	13	16	58	24	36	29	56	49	39	55	46	84	13
23	47	69	77	69	71	64	82	71	50	95	94	95	82	82	65	8	53	66	51	83	35	76	88	63	68	95	8
24	26	13	20	80	26	13	12	10	14	12	14	14	23	14	11	12	9	37	71	77	38	27	41	50	28	80	9
25	79	69	64	87	86	81	49	71	67	75	47	93	15	19	11	26	10	12	19	22	12	31	22	23	45	93	10
26	8	18	62	64	68	41	48	51	71	55	89	79	13	18	11	9	11	20	35	21	21	58	14	13	37	89	8
27	21	15	74	16	13	22	61	34	49	43	24	40	77	29	48	45	29	76	30	45	70	73	79	75	45	79	13
28	36	76	76	77	72	87	94	83	66	62	83	43	63	14	11	8	12	43	72	60	72	34	95	22	57	95	8
29	57	33	26	12	14	102	44	12	20	10	14	36	8	27	10	8	98	82	44	62	88	69	84	81	43	102	8
30	88	60	82	53	46	71	93	83	94	44	22	14	17	9	15	9	9	7	9	9	9	10	8	20	37	94	7
31	25	49	31	7	9	10	81	47	26	79	76	73	20	9	9	10	11	7	7	8	8	9	9	10	26	81	7
Avg	44	43	46	47	42	50	52	49	47	48	49	47	35	23	19	14	28	34	33	36	36	43	43	42	40	84	10
Max	90	88	84	89	91	102	94	87	97	95	96	97	85	82	65	45	98	83	85	86	88	82	95	84	68	102	25
Min	8	8	10	7	9	9	9	10	7	7	9	10	8	7	8	7	8	7	7	8	8	9	8	8	16	51	7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
February 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	11	12	20	10	9	10	14	12	9	12	9	11	10	11	10	8	8	8	8	8	9	11	81	32	14	81	8
2	33	55	74	83	53	59	38	33	52	67	77	66	30	13	12	11	13	70	33	26	43	56	56	69	47	83	11
3	62	58	89	64	91	81	93	97	57	93	54	48	60	10	11	10	13	21	69	82	27	38	58	11	54	97	10
4	12	10	10	11	15	13	13	11	10	12	9	10	9	12	11	13	10	14	8	8	8	9	8	8	11	15	8
5	9	9	19	73	34	46	38	51	54	96	55	74	29	14	32	41	22	64	63	45	54	36	86	62	46	96	9
6	50	96	71	13	12	64	38	37	21	79	12	12	13	9	10	14	30	15	47	22	32	39	84	68	37	96	9
7	58	49	41	77	34	39	25	37	78	87	92	79	25	13	20	6	5	5	40	29	43	23	28	24	40	92	5
8	22	36	29	44	40	34	48	40	35	33	59	52	55	39	7	14	37	76	71	68	76	98	45	90	48	98	7
9	59	55	52	41	71	91	72	68	64	61	93	58	38	11	14	9	10	12	5	10	6	7	16	16	39	93	5
10	15	25	13	10	10	12	7	10	8	10	9	9	8	11	13	13	16	33	36	17	26	53	50	48	19	53	7
11	72	83	37	84	38	50	75	74	81	48	77	74	65	17	19	21	12	26	64	21	47	34	81	48	52	84	12
12	91	43	34	56	72	32	28	14	11	10	8	8	11	10	12	11	11	10	10	13	30	14	14	11	24	91	8
13	10	12	12	14	10	9	8	10	9	9	10	10	11	10	9	8	9	13	12	13	11	9	12	21	11	21	8
14	25	14	14	35	11	15	61	87	26	9	92	21	51	47	89	36	22	54	67	80	38	19	10	18	39	92	9
15	16	22	6	5	36	21	19	45	39	67	75	77	12	12	13	10	18	21	90	28	57	39	44	52	34	90	5
16	59	27	38	33	33	58	61	53	81	94	32	52	66	17	12	11	15	19	58	36	57	64	35	20	43	94	11
17	71	13	9	12	14	21	10	12	11	11	9	8	7	15	12	11	11	11	36	26	24	12	8	5	16	71	5
18	23	22	39	27	68	50	46	92	70	73	18	62	25	47	90	16	10	19	14	10	22	54	23	59	41	92	10
19	24	60	11	8	21	33	14	35	38	13	7	11	6	14	15	33	99	17	27	14	48	54	44	65	30	99	6
20	72	82	69	72	51	88	99	61	67	68	26	36	64	17	23	16	6	10	7	7	62	47	25	49	47	99	6
21	60	58	69	55	76	56	25	24	34	88	81	61	10	22	20	15	9	10	7	7	35	17	21	20	37	88	7
22	62	42	23	30	67	36	33	39	45	61	43	13	9	11	17	11	14	8	42	37	18	9	13	23	29	67	8
23	25	57	23	13	85	31	17	11	12	13	8	14	12	15	12	8	9	12	9	10	15	10	7	8	18	85	7
24	47	56	36	29	60	50	57	83	73	69	98	13	12	9	9	16	13	10	15	38	26	17	25	38	37	98	9
25	26	68	37	42	66	38	55	31	73	81	68	67	13	32	7	8	16	9	12	9	11	17	17	20	34	81	7
26	55	42	55	66	70	59	83	58	90	64	65	10	14	11	17	16	15	14	77	61	48	38	51	16	46	90	10
27	39	45	56	82	57	62	90	82	74	73	93	30	20	19	13	13	10	9	8	7	9	14	23	34	40	93	7
28	23	39	52	80	59	83	79	50	47	33	39	8	8	10	10	11	17	18	18	73	29	26	36	72	38	83	8
Avg	40	43	37	42	45	44	45	45	45	51	47	36	25	17	19	15	17	22	34	29	33	31	36	36	35	83	8
Max	91	96	89	84	91	91	99	97	90	96	98	79	66	47	90	41	99	76	90	82	76	98	86	90	54	99	12
Min	9	9	6	5	9	9	7	10	8	9	7	8	6	9	7	6	5	5	5	7	6	7	7	5	11	15	5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
March 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	85	66	59	20	25	15	19	12	19	14	13	16	15	11	14	10	16	12	27	16	40	50	51	63	29	85	10
2	71	86	49	15	73	92	56	55	94	36	72	79	57	27	48	62	11	10	14	55	62	20	31	45	51	94	10
3	25	87	87	78	84	48	49	85	28	16	22	9	11	13	10	10	9	15	9	11	9	9	9	9	31	87	9
4	9	8	10	9	10	9	10	8	9	10	19	14	12	12	12	15	14	37	43	41	14	19	21	20	16	43	8
5	21	21	33	38	51	31	31	29	45	80	38	7	6	6	13	8	10	11	12	18	18	23	16	13	24	80	6
6	12	53	26	24	23	38	25	41	33	83	60	5	5	75	30	28	16	21	84	52	36	60	79	85	41	85	5
7	56	49	36	73	77	82	71	47	17	13	13	16	8	12	19	17	20	28	81	80	68	40	32	39	41	82	8
8	68	41	55	75	72	68	80	45	86	74	83	34	20	16	3	4	6	8	53	23	57	76	101	71	51	101	3
9	51	44	42	46	46	57	59	78	66	68	39	20	12	12	13	15	8	8	74	50	50	40	37	65	42	78	8
10	62	62	57	58	60	48	43	52	85	82	18	9	12	19	17	9	21	71	61	13	8	7	10	10	37	85	7
11	27	57	66	34	13	11	10	16	9	17	14	13	10	13	14	16	31	9	13	15	84	19	41	26	24	84	9
12	56	37	22	24	37	46	38	64	66	79	97	96	26	8	8	12	27	47	19	27	39	59	22	10	40	97	8
13	18	92	69	69	96	42	76	69	44	10	13	15	13	19	14	14	89	37	16	21	68	64	103	66	47	103	10
14	55	30	17	33	53	51	35	88	80	102	86	98	90	64	61	73	49	90	24	45	29	34	28	44	57	102	17
15	44	36	8	16	10	17	11	12	11	11	14	13	13	13	11	8	8	8	65	63	15	11	16	25	19	65	8
16	68	80	73	52	40	66	54	67	47	14	10	40	68	20	10	13	11	14	79	17	37	30	65	78	44	80	10
17	69	13	57	91	39	13	10	8	9	9	11	12	20	12	11	8	12	12	74	73	79	34	61	46	33	91	8
18	61	77	34	71	60	31	96	52	65	83	19	12	12	11	12	10	10	11	10	8	8	63	81	11	38	96	8
19	22	59	12	22	18	20	34	28	12	16	14	11	13	16	31	56	55	38	29	21	14	18	14	13	24	59	11
20	17	13	14	21	33	33	53	57	53	9	Au	Au	Au	Au	Au	Au	Au	11	7	11	10	19	13	80	27	80	7
21	57	21	9	14	13	12	11	14	11	13	13	16	12	10	10	10	14	12	11	10	19	63	36	13	18	63	9
22	16	19	47	34	54	61	68	27	16	9	18	13	12	16	11	25	9	6	9	21	8	9	20	25	23	68	6
23	28	8	33	20	24	35	17	29	86	45	36	12	32	18	13	11	21	21	15	9	83	14	17	19	27	86	8
24	34	35	16	31	31	22	25	33	38	96	7	11	17	13	7	11	5	5	57	23	20	19	8	16	24	96	5
25	13	14	18	18	16	20	23	29	63	27	88	34	22	30	33	32	14	8	60	28	16	21	29	25	28	88	8
26	30	41	62	50	96	50	52	28	50	73	32	71	31	37	39	22	23	14	63	18	10	25	65	53	43	96	10
27	58	29	23	27	26	16	45	29	69	70	25	22	17	19	24	14	13	55	46	38	15	16	54	56	34	70	13
28	23	60	26	25	25	28	49	61	95	46	25	44	14	38	46	66	17	9	31	48	39	19	42	33	38	95	9
29	64	49	43	39	38	57	80	70	64	83	29	13	11	11	18	20	12	16	62	74	65	93	27	32	45	93	11
30	43	20	63	75	68	66	64	97	55	103	16	14	15	13	16	18	21	18	9	50	28	25	23	23	39	103	9
31	41	55	31	40	46	50	45	66	81	31	12	24	25	27	54	19	27	17	24	42	25	38	51	65	39	81	12
Avg	42	44	39	40	44	40	43	45	49	46	32	26	21	20	21	21	20	22	38	33	35	33	39	38	35	84	9
Max	85	92	87	91	96	92	96	97	95	103	97	98	90	75	61	73	89	90	84	80	84	93	103	85	57	103	17
Min	9	8	8	9	10	9	10	8	9	9	7	5	5	6	3	4	5	5	7	8	8	7	8	9	16	43	3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
January 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-8.5	-8.6	-8.1	-8.2	-8.4	-8.4	-7.6	-9.1	-10.4	-10.4	-9.1	-7.0	-5.7	-5.2	-5.0	-5.3	-5.8	-6.3	-8.8	-11.5	-14.6	-17.1	-18.1	-19.9	-9.5	-5.0	-19.9
2	-20.4	-22.1	-22.0	-22.7	-23.4	-23.7	-24.3	-24.1	-24.9	-23.2	-19.7	-17.2	-11.6	-10.0	-8.2	-8.0	-9.7	-14.2	-15.3	-14.7	-15.8	-17.7	-18.8	-19.1	-17.9	-8.0	-24.9
3	-18.7	-18.4	-18.6	-18.8	-18.6	-19.2	-18.2	-16.5	-16.7	-15.5	-12.9	-11.4	-8.5	-5.5	-1.3	-0.7	-4.4	-6.5	-8.8	-9.8	-10.8	-12.6	-13.7	-13.8	-12.5	-0.7	-19.2
4	-12.9	-12.7	-12.2	-11.8	-12.7	-14.0	-15.1	-14.7	-14.4	-13.2	-11.2	-4.0	-0.7	-0.3	-0.5	-0.2	-1.1	-1.4	-1.3	-1.8	-2.5	-3.0	-3.0	-3.5	-7.0	-0.2	-15.1
5	-5.4	-8.1	-11.0	-12.6	-14.3	-15.1	-16.2	-16.9	-16.4	-16.3	-13.4	-10.8	-7.0	-1.9	-1.3	-1.7	-3.8	-6.0	-8.8	-10.8	-11.4	-11.3	-11.8	-10.4	-10.1	-1.3	-16.9
6	-9.0	-9.1	-9.2	-9.7	-10.6	-11.0	-11.6	-10.5	-11.3	-11.4	-9.2	-3.7	0.2	0.8	0.6	0.3	-0.7	-1.7	-1.7	-2.6	-2.2	-2.4	-2.2	-2.6	-5.4	0.8	-11.6
7	-3.1	-3.2	-2.7	-3.2	-3.6	-3.4	-3.9	-3.8	-3.6	-3.3	-3.2	-2.0	-0.6	0.3	0.0	-0.8	-0.6	-1.1	-0.1	0.2	0.8	0.8	1.4	1.4	-1.6	1.4	-3.9
8	1.0	0.6	0.5	0.5	0.1	-0.2	-0.6	-0.9	-1.0	-1.3	-1.4	-1.5	-1.5	-1.2	-1.2	-1.1	-1.3	-1.5	-2.2	-2.7	-1.9	-1.3	-0.8	0.2	-0.9	1.0	-2.7
9	1.2	2.3	3.0	2.4	2.0	2.2	1.7	1.4	1.5	2.1	2.8	4.2	5.1	4.9	4.4	4.3	3.9	2.7	3.2	3.1	2.5	2.8	1.9	0.0	2.7	5.1	0.0
10	-0.5	-0.3	-0.1	-0.2	1.0	0.6	0.0	-1.3	-3.0	-4.2	-5.1	-5.9	-7.9	-8.6	-9.3	-10.1	-11.3	-12.0	-12.2	-12.7	-13.0	-13.7	-14.4	-15.1	-6.6	1.0	-15.1
11	-15.7	-16.2	-16.6	-16.9	-17.2	-17.6	-18.1	-18.4	-18.6	-18.8	-18.9	-18.8	-17.8	-17.9	-18.2	-18.1	-18.3	-18.6	-19.1	-19.3	-19.3	-19.2	-19.8	-21.0	-18.3	-15.7	-21.0
12	-21.7	-22.5	-23.8	-25.0	-25.8	-26.8	-27.6	-28.2	-27.8	-26.5	-25.0	-22.3	-18.7	-16.2	-15.8	-16.0	-16.5	-16.8	-16.3	-16.1	-15.7	-15.6	-15.7	-16.1	-20.8	-15.6	-28.2
13	-16.9	-17.2	-17.6	-17.6	-16.8	-16.7	-17.0	-17.4	-17.2	-16.5	-15.8	-15.1	-14.6	-14.3	-13.9	-13.7	-14.0	-14.8	-15.1	-15.8	-16.6	-16.6	-16.5	-16.7	-16.0	-13.7	-17.6
14	-17.2	-17.4	-20.3	-21.2	-21.5	-23.3	-23.9	-24.1	-23.9	-22.0	-20.4	-17.7	-15.3	-13.8	-13.7	-13.6	-13.3	-13.2	-13.0	-12.8	-12.8	-12.5	-12.1	-11.5	-17.1	-11.5	-24.1
15	-10.8	-10.3	-10.1	-9.9	-9.8	-9.2	-8.7	-8.1	-7.9	-7.4	-7.1	-6.5	-6.1	-5.6	-5.1	-5.0	-5.2	-5.5	-5.7	-5.5	-5.7	-5.8	-5.6	-5.6	-7.2	-5.0	-10.8
16	-6.0	-6.2	-8.2	-11.4	-12.7	-14.3	-15.6	-16.1	-15.3	-14.4	-12.3	-9.3	-5.1	-0.8	0.5	0.9	0.2	-1.1	-4.0	-6.9	-8.6	-10.2	-10.6	-12.2	-8.3	0.9	-16.1
17	-13.5	-14.0	-14.0	-14.7	-14.9	-15.5	-15.1	-15.9	-15.7	-14.2	-10.8	-6.1	-0.3	1.9	2.3	2.3	1.4	0.9	0.0	0.7	0.2	-0.4	-0.5	0.6	-6.5	2.3	-15.9
18	2.7	2.6	2.4	2.6	2.3	2.5	2.8	2.9	3.0	2.5	3.1	3.4	4.0	3.6	3.5	4.2	4.0	3.2	2.8	1.8	0.2	-2.0	-4.9	-5.7	2.0	4.2	-5.7
19	-4.4	-3.5	-5.0	-7.3	-4.5	-4.2	-3.9	-3.4	-3.2	-0.8	1.6	2.3	2.7	2.8	2.8	2.7	2.7	2.7	2.8	2.3	1.1	-1.6	-3.8	-6.8	-1.1	2.8	-7.3
20	-7.5	-3.8	-3.9	-6.6	-7.5	-8.5	-9.0	-9.3	-9.5	-9.3	-9.0	-8.2	-6.9	-6.0	-4.9	-3.8	-4.5	-7.5	-9.9	-10.3	-10.5	-10.4	-10.2	-9.7	-7.8	-3.8	-10.5
21	-8.8	-8.4	-6.6	-6.7	-6.6	-8.0	-7.9	-9.0	-9.5	-7.3	-0.8	2.5	3.2	3.6	3.8	4.1	3.8	2.5	1.4	-1.3	-3.4	-6.7	-9.1	-10.2	-3.6	4.1	-10.2
22	-11.5	-12.6	-13.5	-14.0	-15.1	-15.1	-15.3	-15.8	-15.9	-14.3	-12.2	-7.5	0.5	2.5	4.0	3.7	2.3	-0.1	-2.7	-3.5	-4.8	-5.2	-5.2	-6.5	-7.4	4.0	-15.9
23	-6.1	-6.8	-7.0	-7.0	-7.0	-7.0	-6.9	-7.1	-6.9	-6.8	-5.2	-3.2	-0.4	1.5	2.8	3.0	3.4	2.0	1.5	1.8	3.8	2.1	1.0	1.4	-2.2	3.8	-7.1
24	4.9	6.0	5.3	4.1	4.9	4.8	4.3	3.6	2.9	2.1	1.9	2.1	1.9	1.7	1.8	1.6	1.3	0.3	-1.2	-1.9	-5.1	-7.4	-9.0	-9.2	0.9	6.0	-9.2
25	-8.7	-7.1	-7.3	-7.2	-6.0	-5.3	-4.7	-4.4	-4.6	-3.4	-1.6	0.6	3.8	3.9	3.8	3.5	2.9	2.6	2.4	2.5	2.6	2.6	2.6	2.0	-1.0	3.9	-8.7
26	1.6	1.0	0.3	0.6	-0.4	-1.7	-2.5	-3.6	-4.1	-4.2	-3.0	1.5	5.6	6.0	5.8	5.5	5.5	4.2	2.3	0.0	-0.5	-0.9	-1.0	-1.9	0.7	6.0	-4.2
27	-2.1	-2.4	-2.9	-2.9	-2.9	-3.5	-4.6	-5.0	-5.2	-5.5	-5.1	-5.0	-5.0	-4.7	-4.8	-5.1	-5.5	-7.1	-8.1	-9.4	-10.8	-11.7	-12.6	-13.6	-6.1	-2.1	-13.6
28	-14.8	-15.5	-15.8	-15.7	-16.4	-17.7	-19.2	-20.3	-21.1	-17.8	-15.9	-11.5	-7.5	-5.8	-5.6	-5.7	-5.9	-6.2	-6.7	-7.3	-7.9	-8.0	-7.7	-7.3	-11.8	-5.6	-21.1
29	-8.0	-7.8	-7.6	-7.9	-8.7	-9.7	-11.2	-11.8	-13.0	-13.0	-13.1	-13.0	-16.8	-17.3	-18.0	-18.6	-19.7	-20.8	-20.7	-19.8	-19.1	-18.3	-17.5	-16.7	-14.5	-7.6	-20.8
30	-16.0	-15.3	-13.9	-13.3	-11.9	-11.2	-10.5	-10.3	-9.9	-8.8	-5.6	-3.6	-2.5	-1.1	-1.5	-2.8	-3.6	-4.3	-4.7	-4.8	-4.4	-5.0	-5.6	-6.4	-7.4	-1.1	-16.0
31	-6.6	-7.0	-6.0	-5.9	-5.3	-4.5	-4.6	-4.3	-3.8	-3.9	-2.8	-1.9	0.0	0.6	0.9	1.4	1.5	0.6	0.3	0.5	0.3	0.1	0.0	-0.3	-2.1	1.5	-7.0
Avg	-8.5	-8.5	-8.8	-9.3	-9.4	-9.8	-10.2	-10.4	-10.6	-9.9	-8.4	-6.3	-4.3	-3.3	-2.9	-3.0	-3.6	-4.7	-5.5	-6.1	-6.6	-7.4	-7.8	-8.3	-7.2	-1.6	-13.6
Max	4.9	6.0	5.3	4.1	4.9	4.8	4.3	3.6	3.0	2.5	3.1	4.2	5.6	6.0	5.8	5.5	5.5	4.2	3.2	3.1	3.8	2.8	2.6	2.0	2.7	6.0	0.0
Min	-21.7	-22.5	-23.8	-25.0	-25.8	-26.8	-27.6	-28.2	-27.8	-26.5	-25.0	-22.3	-18.7	-17.9	-18.2	-18.6	-19.7	-20.8	-20.7	-19.8	-19.3	-19.2	-19.8	-21.0	-20.8	-15.7	-28.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
February 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-0.4	-0.7	-0.6	0.0	-1.0	-1.3	-1.3	-1.5	-1.3	-1.0	-0.7	-0.3	0.1	0.5	0.4	0.6	0.5	0.1	-0.5	-1.0	-1.4	-2.1	-4.1	-6.5	-1.0	0.6	-6.5
2	-9.6	-11.8	-12.3	-13.6	-14.5	-14.4	-12.8	-9.6	-10.6	-10.8	-9.4	-4.7	-0.3	0.4	0.4	0.6	0.4	-0.5	-3.9	-7.7	-9.9	-10.8	-11.9	-12.8	-7.9	0.6	-14.5
3	-13.7	-13.8	-14.3	-14.0	-12.8	-12.6	-11.0	-11.0	-9.7	-8.1	-7.2	-5.0	0.5	1.6	2.2	2.2	1.6	0.9	-0.3	-0.6	-2.4	-2.5	-2.5	0.0	-5.5	2.2	-14.3
4	-0.1	0.0	0.1	-0.2	-0.7	-0.5	-0.1	0.2	0.3	0.3	0.5	0.9	1.1	0.7	0.7	0.9	0.8	0.9	0.9	0.9	0.8	0.5	0.5	0.3	0.4	1.1	-0.7
5	0.0	-0.4	-1.0	-2.2	-2.9	-3.7	-3.9	-4.0	-4.0	-3.6	-2.3	-0.2	1.5	2.2	1.5	2.2	2.3	0.6	-1.8	-4.0	-5.5	-5.5	-6.7	-8.3	-2.1	2.3	-8.3
6	-8.7	-5.9	-2.5	-1.0	-1.6	-3.5	-3.5	-6.7	-6.3	-4.7	-1.1	-1.3	-1.1	-0.7	-0.4	-0.3	-1.7	-2.0	-3.9	-6.1	-8.0	-9.5	-12.0	-13.2	-4.4	-0.3	-13.2
7	-14.0	-14.9	-15.9	-16.5	-15.6	-15.1	-14.5	-13.0	-12.8	-12.0	-10.5	-7.9	-0.6	0.6	1.0	0.4	-0.3	-1.2	-2.1	-2.4	-3.8	-4.0	-4.4	-5.2	-7.7	1.0	-16.5
8	-5.7	-5.5	-6.6	-9.7	-10.1	-12.6	-13.7	-14.0	-14.4	-13.3	-11.1	-8.3	-3.5	-1.4	-0.3	-0.3	-0.6	-1.7	-3.4	-5.4	-7.3	-7.5	-7.4	-7.8	-7.2	-0.3	-14.4
9	-10.4	-11.9	-12.6	-13.9	-14.7	-15.7	-17.1	-17.4	-17.8	-16.1	-14.7	-10.1	-6.1	-3.6	-2.7	-2.4	-3.3	-4.5	-4.9	-5.1	-5.2	-5.4	-5.4	-5.5	-9.4	-2.4	-17.8
10	-5.8	-6.7	-6.7	-7.2	-7.5	-7.9	-8.5	-8.8	-9.1	-8.9	-8.7	-8.4	-8.2	-8.3	-8.4	-8.7	-9.5	-11.8	-12.9	-16.3	-18.9	-20.6	-20.5	-21.0	-10.8	-5.8	-21.0
11	-22.5	-21.7	-21.7	-23.0	-23.7	-23.4	-23.0	-22.2	-21.1	-19.5	-17.7	-12.3	-7.5	-5.6	-5.1	-4.5	-4.3	-5.1	-6.4	-9.5	-11.7	-11.5	-11.4	-11.7	-14.4	-4.3	-23.7
12	-12.0	-11.7	-10.3	-6.3	-5.6	-5.1	-5.3	-5.2	-5.0	-4.5	-3.8	-3.2	-2.6	-1.8	-1.4	-1.4	-1.0	-1.4	-2.1	-2.2	-2.4	-1.7	-1.5	-1.1	-4.1	-1.0	-12.0
13	-0.4	-0.4	-0.5	-0.4	-0.3	0.0	0.0	-0.1	0.2	0.5	0.8	0.9	0.7	1.1	1.2	0.6	0.4	-0.2	-0.5	-1.0	-1.3	-2.6	-3.2	-5.4	-0.4	1.2	-5.4
14	-7.0	-7.5	-7.8	-8.0	-9.0	-9.3	-9.6	-9.3	-9.6	-9.4	-9.1	-8.6	-7.8	-7.2	-6.1	-5.5	-5.3	-5.3	-5.3	-5.3	-5.2	-4.8	-4.8	-5.1	-7.2	-4.8	-9.6
15	-5.5	-6.1	-5.6	-6.3	-6.9	-9.3	-12.2	-14.8	-15.6	-14.6	-12.6	-7.5	-1.5	-0.4	0.1	0.7	0.8	0.7	-0.6	-3.9	-6.4	-8.0	-9.2	-8.5	-6.4	0.8	-15.6
16	-7.3	-7.3	-9.1	-10.1	-11.0	-11.5	-12.4	-12.8	-13.0	-10.6	-8.3	-3.3	2.8	4.6	4.4	4.7	5.0	4.5	2.9	-0.4	-2.5	-1.3	-3.5	-3.7	-4.1	5.0	-13.0
17	-1.1	-1.0	-1.0	-1.2	-1.7	-2.5	-2.9	-4.0	-4.5	-4.2	-4.0	-4.0	-3.9	-3.4	-3.4	-3.5	-3.7	-4.5	-5.6	-5.5	-5.2	-5.3	-5.6	-5.8	-3.6	-1.0	-5.8
18	-6.2	-6.8	-7.4	-8.8	-10.9	-13.3	-13.5	-12.8	-12.2	-11.3	-9.8	-7.3	-5.4	-4.9	-4.4	-4.0	-4.5	-5.2	-7.7	-8.5	-10.1	-11.3	-11.8	-10.6	-8.7	-4.0	-13.5
19	-11.1	-10.8	-9.8	-9.7	-9.8	-9.6	-9.2	-10.5	-10.3	-7.7	-5.7	-4.5	-3.7	-2.9	-2.0	-0.7	-1.0	-2.0	-4.2	-6.2	-8.2	-10.3	-12.0	-13.2	-7.3	-0.7	-13.2
20	-13.6	-14.6	-14.6	-16.3	-15.7	-17.2	-17.4	-15.4	-14.7	-12.5	-10.2	-6.7	-4.8	-4.1	-3.9	-4.0	-4.0	-4.1	-4.3	-4.8	-5.7	-7.3	-7.9	-9.4	-9.7	-3.9	-17.4
21	-9.4	-9.8	-9.7	-10.6	-12.1	-12.6	-14.7	-16.6	-18.2	-17.2	-13.7	-8.9	-6.1	-5.4	-5.1	-4.7	-4.7	-5.0	-5.8	-6.2	-6.3	-6.0	-6.4	-6.6	-9.2	-4.7	-18.2
22	-7.2	-7.0	-6.8	-7.2	-8.8	-9.5	-10.8	-12.5	-12.6	-10.8	-5.0	-3.1	-2.5	-1.7	-1.5	-1.0	-0.6	-1.3	-2.3	-2.5	-1.0	-1.5	-1.2	-0.8	-5.0	-0.6	-12.6
23	-1.6	-1.6	-1.3	-1.5	-2.5	-2.4	-2.9	-3.3	-3.9	-3.6	-4.0	-4.5	-4.2	-3.8	-3.6	-3.6	-3.8	-4.1	-5.3	-6.0	-5.9	-5.8	-6.0	-6.4	-3.8	-1.3	-6.4
24	-8.5	-10.7	-14.1	-16.4	-17.9	-18.7	-19.0	-20.2	-19.7	-17.2	-13.1	-6.5	-4.3	-4.1	-3.2	-2.7	-2.5	-3.1	-3.8	-4.3	-4.5	-4.5	-4.8	-4.9	-9.5	-2.5	-20.2
25	-5.0	-7.6	-10.7	-12.9	-14.1	-15.2	-15.6	-15.5	-15.5	-13.6	-11.1	-5.8	-3.1	-2.0	-1.9	-1.6	-1.7	-1.9	-2.5	-2.8	-3.2	-4.2	-5.4	-8.1	-7.5	-1.6	-15.6
26	-10.1	-11.7	-12.9	-13.4	-14.2	-14.3	-13.7	-12.3	-12.3	-10.1	-6.1	-3.8	-3.3	-2.9	-2.9	-4.0	-3.6	-4.1	-5.5	-7.2	-7.2	-6.6	-8.8	-11.6	-8.4	-2.9	-14.3
27	-13.7	-15.6	-17.5	-17.2	-18.4	-18.7	-20.3	-20.2	-18.8	-16.3	-12.2	-6.4	-3.4	-2.3	-1.1	-0.3	-0.5	-1.1	-2.2	-2.5	-3.2	-3.6	-6.1	-8.7	-9.6	-0.3	-20.3
28	-12.5	-14.1	-13.8	-13.5	-12.1	-10.0	-8.7	-7.1	-6.6	-5.2	-3.0	-1.7	-0.8	-0.2	0.4	0.8	0.8	0.3	-0.1	-1.6	-4.0	-6.1	-8.3	-8.7	-5.7	0.8	-14.1
Avg	-8.0	-8.5	-8.8	-9.3	-9.9	-10.4	-10.6	-10.7	-10.7	-9.5	-7.6	-5.1	-2.8	-2.0	-1.6	-1.4	-1.6	-2.2	-3.4	-4.6	-5.6	-6.1	-6.9	-7.5	-6.4	-1.0	-13.5
Max	0.0	0.0	0.1	0.0	-0.3	0.0	0.0	0.2	0.3	0.5	0.8	0.9	2.8	4.6	4.4	4.7	5.0	4.5	2.9	0.9	0.8	0.5	0.5	0.3	0.4	5.0	-0.7
Min	-22.5	-21.7	-21.7	-23.0	-23.7	-23.4	-23.0	-22.2	-21.1	-19.5	-17.7	-12.3	-8.2	-8.3	-8.4	-8.7	-9.5	-11.8	-12.9	-16.3	-18.9	-20.6	-20.5	-21.0	-14.4	-5.8	-23.7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
March 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-7.8	-7.1	-3.6	-0.4	-0.6	-1.0	1.2	1.3	1.7	2.6	3.6	4.8	5.2	5.6	5.5	5.4	5.4	5.3	5.2	4.8	4.6	4.2	3.8	3.3	2.2	5.6	-7.8
2	2.9	2.8	2.0	0.1	2.1	2.7	2.2	1.2	0.1	1.2	1.4	1.9	3.2	3.9	5.2	6.3	7.6	6.7	5.1	3.9	1.7	0.8	-0.7	-2.1	2.6	7.6	-2.1
3	-2.0	-1.3	-1.1	-0.3	-0.2	0.8	1.1	0.6	1.1	2.0	1.3	-2.3	-3.0	-3.0	-2.4	-2.6	-3.1	-4.2	-5.7	-7.3	-8.4	-8.8	-9.3	-9.8	-2.8	2.0	-9.8
4	-10.4	-10.8	-10.8	-10.7	-11.2	-11.7	-11.8	-11.7	-11.3	-11.0	-10.3	-9.9	-9.3	-9.5	-9.5	-9.4	-9.5	-10.0	-12.2	-15.2	-16.5	-18.5	-19.1	-20.7	-12.1	-9.3	-20.7
5	-20.6	-21.0	-20.8	-20.8	-21.2	-20.4	-19.7	-20.0	-18.5	-15.8	-9.6	-5.0	-3.6	-2.5	-2.1	-1.7	-1.6	-1.1	-2.4	-2.8	-3.5	-3.3	-4.2	-4.4	-10.3	-1.1	-21.2
6	-5.1	-6.1	-6.8	-7.1	-8.0	-7.7	-8.7	-9.2	-8.7	-7.1	-2.1	1.6	2.1	0.3	-0.6	0.5	1.3	1.9	1.2	0.5	-0.2	-1.6	-1.7	-1.2	-3.0	2.1	-9.2
7	-1.5	-1.7	-1.9	-2.5	-2.9	-4.3	-4.9	-3.1	-2.1	-1.6	-1.1	-0.4	0.0	0.3	0.8	1.2	1.2	0.8	-2.0	-4.9	-6.3	-6.3	-6.8	-8.0	-2.4	1.2	-8.0
8	-8.5	-9.2	-9.5	-9.8	-10.1	-11.8	-12.3	-13.3	-12.4	-9.9	-7.9	-3.2	0.3	1.3	1.7	2.1	2.0	1.2	-1.1	-4.7	-7.4	-8.7	-11.0	-12.2	-6.4	2.1	-13.3
9	-13.2	-14.0	-15.2	-15.4	-16.3	-15.9	-15.8	-14.3	-12.9	-11.0	-4.9	-1.7	-0.8	-0.1	0.2	0.5	0.5	0.3	-0.8	-4.1	-7.2	-9.3	-10.6	-11.8	-8.1	0.5	-16.3
10	-12.5	-12.1	-12.6	-12.7	-12.6	-12.9	-13.3	-12.9	-11.8	-7.3	-0.8	0.2	1.1	1.9	2.5	2.2	2.2	1.8	1.5	2.4	2.4	1.8	0.8	-0.4	-4.2	2.5	-13.3
11	-1.9	-3.0	-3.6	-3.3	-1.4	-2.1	-2.1	-2.0	-2.2	-2.2	-1.9	-1.3	-2.7	-2.9	-3.0	-3.2	-4.2	-5.3	-6.2	-7.0	-8.4	-10.6	-10.6	-10.8	-4.2	-1.3	-10.8
12	-11.7	-12.9	-13.8	-14.5	-15.1	-15.6	-15.6	-15.5	-14.2	-12.0	-10.5	-8.8	-4.1	-2.2	-1.3	-0.4	0.0	-0.3	0.3	-0.3	-0.5	0.1	3.9	4.4	-6.7	4.4	-15.6
13	4.1	3.2	3.3	3.6	2.4	2.6	2.6	2.9	3.3	6.0	6.2	6.9	8.1	8.6	9.0	8.9	8.1	8.2	7.7	7.6	7.3	6.7	5.2	3.9	5.7	9.0	2.4
14	3.0	1.6	-0.1	-1.4	-2.5	-2.4	-2.4	-3.1	-2.6	-1.3	0.9	2.0	3.5	6.1	6.8	7.5	7.0	5.9	4.8	4.1	2.6	1.6	1.2	-0.3	1.8	7.5	-3.1
15	-0.4	6.1	6.4	5.7	6.2	5.7	5.1	4.7	5.2	5.6	6.0	6.4	6.8	6.8	7.0	6.7	6.5	5.9	4.4	3.3	1.8	-0.2	-1.2	-1.9	4.5	7.0	-1.9
16	-2.2	-2.2	-2.9	-3.4	-3.9	-3.5	-2.1	-2.3	0.0	1.2	1.9	2.1	1.7	3.7	4.2	4.6	4.9	4.4	3.4	1.4	0.2	0.1	0.9	1.6	0.6	4.9	-3.9
17	0.9	-0.6	-1.5	-1.6	-1.8	-1.9	-3.0	-3.4	-4.0	-4.3	-4.1	-3.4	-3.4	-3.8	-4.9	-5.8	-6.8	-7.2	-9.4	-11.2	-11.9	-11.8	-11.8	-11.8	-5.4	0.9	-11.9
18	-11.6	-11.4	-11.1	-10.6	-10.7	-10.5	-12.3	-12.5	-12.2	-9.7	-5.9	-4.8	-3.9	-3.2	-2.6	-2.7	-3.1	-4.0	-4.0	-4.3	-4.9	-6.0	-6.2	-6.0	-7.3	-2.6	-12.5
19	-6.4	-6.9	-6.2	-6.8	-7.1	-7.8	-9.3	-9.8	-7.8	-6.1	-4.9	-4.3	-3.7	-2.9	-2.1	-1.5	-1.0	-1.3	-3.7	-4.9	-6.5	-6.6	-5.6	-5.7	-5.4	-1.0	-9.8
20	-5.6	-4.6	-3.4	-3.4	-3.8	-3.8	-2.6	-1.6	0.7	2.0	Au	Au	Au	Au	Au	Au	Au	7.0	6.3	5.8	5.0	1.6	-0.4	-0.7	-0.1	7.0	-5.6
21	-1.4	-1.1	-1.5	-1.8	-2.4	-2.6	-2.8	-3.4	-3.4	-3.6	-3.0	-2.7	-2.6	-2.8	-2.7	-2.7	-2.9	-3.5	-4.3	-4.7	-5.5	-6.6	-6.6	-5.8	-3.3	-1.1	-6.6
22	-6.1	-6.9	-7.7	-8.3	-8.8	-10.0	-9.6	-9.2	-7.6	-7.6	-7.1	-7.1	-6.8	-6.7	-6.5	-6.3	-7.0	-8.4	-9.4	-9.7	-10.0	-10.4	-11.0	-12.9	-8.4	-6.1	-12.9
23	-15.6	-17.2	-18.3	-19.8	-20.4	-21.2	-22.0	-22.0	-20.3	-16.5	-10.5	-8.6	-7.3	-6.6	-6.3	-6.1	-6.3	-6.6	-7.4	-9.1	-11.0	-12.3	-13.8	-14.9	-13.3	-6.1	-22.0
24	-15.6	-16.1	-17.2	-18.1	-19.2	-19.9	-20.4	-20.4	-18.2	-13.7	-7.5	-6.3	-5.2	-4.7	-4.3	-3.9	-3.8	-3.8	-4.9	-8.0	-9.8	-10.5	-11.8	-13.9	-11.5	-3.8	-20.4
25	-14.4	-15.5	-16.7	-16.5	-17.3	-17.0	-17.9	-17.7	-15.3	-9.7	-4.0	-1.7	-0.6	0.1	0.7	1.4	1.9	1.8	0.0	-3.5	-4.9	-6.2	-8.5	-9.1	-7.9	1.9	-17.9
26	-9.6	-11.0	-10.8	-10.2	-9.8	-9.5	-9.3	-8.8	-8.0	-6.0	-1.4	0.7	1.8	2.6	3.3	4.0	4.3	4.3	2.6	-0.9	-2.1	-4.5	-4.9	-5.6	-3.7	4.3	-11.0
27	-6.7	-7.3	-7.1	-7.9	-8.5	-9.0	-9.5	-8.9	-6.8	-3.8	0.9	4.3	5.0	5.8	6.6	7.1	7.3	6.9	5.1	2.1	0.5	-0.1	-0.7	-1.3	-1.1	7.3	-9.5
28	-1.6	-2.4	-2.2	-2.6	-3.7	-4.7	-5.6	-5.4	-3.0	0.6	4.5	6.5	6.9	7.7	8.0	8.9	9.1	8.4	7.1	5.0	3.3	2.5	1.8	1.2	2.1	9.1	-5.6
29	0.7	0.2	-0.2	-1.6	-2.3	-2.9	-2.7	-2.5	-1.2	1.3	4.9	6.4	6.3	6.2	6.4	6.8	6.9	6.7	5.3	3.5	1.5	1.9	0.1	-1.2	2.1	6.9	-2.9
30	-2.5	-2.9	-3.6	-3.8	-4.2	-5.4	-6.0	-5.6	-3.3	1.2	4.0	4.6	5.4	6.1	6.6	7.2	7.7	7.7	7.0	4.5	1.6	-0.5	-1.7	-2.8	0.9	7.7	-6.0
31	-3.4	-4.4	-4.5	-5.0	-5.2	-5.9	-6.2	-5.4	-2.4	3.4	5.5	6.1	6.3	6.2	6.5	6.6	7.0	6.9	5.8	3.7	1.6	-0.4	-1.3	-2.3	0.8	7.0	-6.2
Avg	-6.0	-6.3	-6.5	-6.8	-7.1	-7.4	-7.6	-7.5	-6.4	-4.3	-1.9	-0.6	0.2	0.7	1.1	1.4	1.4	1.2	-0.0	-1.6	-2.9	-3.9	-4.6	-5.3	-3.4	2.5	-10.2
Max	4.1	6.1	6.4	5.7	6.2	5.7	5.1	4.7	5.2	6.0	6.2	6.9	8.1	8.6	9.0	8.9	9.1	8.4	7.7	7.6	7.3	6.7	5.2	4.4	5.7	9.1	2.4
Min	-20.6	-21.0	-20.8	-20.8	-21.2	-21.2	-22.0	-22.0	-20.3	-16.5	-10.5	-9.9	-9.3	-9.5	-9.5	-9.4	-9.5	-10.0	-12.2	-15.2	-16.5	-18.5	-19.1	-20.7	-13.3	-9.3	-22.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
January 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-8.7	-8.9	-8.3	-8.5	-8.4	-8.6	-7.9	-10.1	-11.6	-11.1	-9.1	-6.9	-5.6	-5.1	-5.0	-5.6	-6.6	-6.6	-9.7	-13.7	-16.5	-18.4	-19.4	-21.2	-10.1	-5.0	-21.2
2	-22.3	-23.8	-23.7	-24.7	-25.6	-25.1	-26.4	-26.5	-26.9	-24.7	-20.8	-18.2	-12.3	-10.0	-8.0	-8.4	-10.9	-15.2	-16.5	-16.2	-17.2	-19.0	-20.4	-21.0	-19.3	-8.0	-26.9
3	-20.8	-20.3	-20.8	-21.0	-20.9	-21.0	-19.7	-18.6	-19.1	-17.2	-14.6	-13.2	-10.6	-6.7	-2.6	-1.6	-5.0	-8.1	-11.7	-12.5	-13.5	-14.8	-15.3	-14.9	-14.4	-1.6	-21.0
4	-14.6	-14.3	-14.0	-13.7	-15.0	-16.0	-17.1	-17.6	-16.7	-14.8	-12.6	-4.8	-0.9	-0.6	-0.9	-0.7	-1.7	-2.0	-1.7	-2.2	-2.9	-3.4	-3.5	-4.4	-8.2	-0.6	-17.6
5	-6.7	-9.6	-12.3	-14.0	-15.9	-16.9	-17.8	-18.4	-18.8	-17.6	-14.4	-11.4	-7.6	-2.3	-0.7	-2.1	-4.5	-7.4	-9.7	-13.1	-13.1	-13.2	-13.3	-12.1	-11.4	-0.7	-18.8
6	-9.7	-10.3	-10.5	-11.3	-12.3	-12.8	-13.2	-11.3	-13.0	-12.6	-9.6	-4.0	0.0	0.4	0.3	0.1	-1.0	-2.1	-2.1	-3.0	-2.6	-2.7	-2.5	-3.1	-6.2	0.4	-13.2
7	-3.6	-3.5	-3.2	-3.8	-4.1	-3.9	-4.4	-4.2	-4.0	-3.5	-3.3	-2.0	-0.6	0.1	-0.1	-1.0	-0.8	-1.2	-0.2	0.1	0.7	0.7	1.2	1.2	-1.8	1.2	-4.4
8	0.8	0.5	0.4	0.2	-0.1	-0.4	-0.8	-1.1	-1.2	-1.5	-1.5	-1.6	-1.6	-1.4	-1.3	-1.3	-1.6	-2.0	-2.6	-3.4	-2.7	-1.9	-0.9	-0.1	-1.1	0.8	-3.4
9	0.9	1.9	2.3	1.8	1.0	1.6	1.4	1.1	1.2	1.7	2.5	4.1	4.7	4.5	4.0	3.9	3.6	1.8	2.7	2.6	1.9	2.3	1.2	-0.5	2.3	4.7	-0.5
10	-1.1	-1.3	-1.2	-1.0	0.4	0.5	0.0	-1.2	-2.9	-4.1	-5.1	-5.9	-7.9	-8.6	-9.3	-10.0	-11.3	-12.0	-12.2	-12.6	-13.1	-13.8	-14.4	-15.1	-6.8	0.5	-15.1
11	-15.6	-16.2	-16.5	-16.8	-17.2	-17.5	-18.1	-18.3	-18.6	-18.7	-18.8	-18.7	-17.7	-17.8	-18.1	-18.0	-18.3	-18.7	-19.1	-19.3	-19.3	-19.2	-20.0	-21.8	-18.3	-15.6	-21.8
12	-22.2	-23.2	-24.8	-26.4	-27.6	-28.3	-29.1	-29.5	-29.0	-27.6	-25.4	-22.1	-19.0	-15.9	-15.9	-16.4	-17.1	-17.0	-16.3	-16.3	-15.8	-15.7	-15.7	-16.6	-21.4	-15.7	-29.5
13	-17.9	-18.0	-18.2	-17.9	-17.2	-16.9	-17.3	-17.8	-17.4	-16.8	-15.9	-15.1	-14.5	-14.2	-13.8	-13.7	-14.2	-14.9	-15.2	-16.1	-17.4	-17.2	-17.0	-17.1	-16.3	-13.7	-18.2
14	-17.6	-18.6	-21.7	-22.3	-24.2	-25.5	-26.0	-26.1	-24.8	-22.9	-20.9	-18.0	-15.2	-13.8	-13.7	-13.6	-13.2	-13.3	-13.0	-12.8	-12.8	-12.4	-12.1	-11.6	-17.8	-11.6	-26.1
15	-10.9	-10.3	-10.1	-9.9	-9.8	-9.2	-8.6	-8.1	-7.9	-7.4	-7.0	-6.5	-6.0	-5.5	-5.1	-5.2	-5.5	-5.9	-6.2	-6.3	-6.9	-6.7	-6.6	-6.6	-7.4	-5.1	-10.9
16	-7.1	-7.1	-10.1	-12.2	-13.7	-15.8	-17.1	-18.3	-17.0	-15.5	-13.1	-10.2	-6.9	-1.3	0.2	0.2	-0.1	-1.9	-5.4	-7.4	-9.3	-11.5	-12.0	-13.8	-9.4	0.2	-18.3
17	-15.2	-16.3	-16.3	-16.8	-16.9	-17.5	-17.6	-17.8	-17.5	-16.5	-12.1	-8.3	-1.8	1.4	1.7	1.5	0.6	-0.2	-1.1	-0.9	-1.8	-1.8	-2.1	-0.4	-8.1	1.7	-17.8
18	2.0	1.9	1.7	1.9	1.6	1.9	2.3	2.4	2.5	2.0	2.6	2.9	3.5	2.9	2.9	3.5	3.4	2.5	2.0	0.6	-1.0	-3.2	-6.2	-7.2	1.2	3.5	-7.2
19	-6.6	-7.8	-8.3	-9.1	-7.7	-6.5	-6.4	-5.4	-5.6	-1.8	1.2	2.0	2.3	2.3	2.4	2.2	2.2	2.1	2.0	1.4	0.0	-3.3	-5.3	-7.5	-2.5	2.4	-9.1
20	-9.4	-5.5	-4.6	-7.2	-8.1	-9.1	-9.2	-9.4	-9.6	-9.3	-8.9	-8.2	-6.5	-6.0	-4.9	-3.9	-5.2	-9.4	-11.2	-11.1	-11.5	-11.0	-10.6	-10.2	-8.3	-3.9	-11.5
21	-9.2	-9.3	-7.6	-7.8	-7.7	-9.1	-8.9	-10.4	-10.7	-8.6	-2.5	1.9	2.8	3.2	3.3	3.5	3.1	1.6	-0.3	-4.5	-5.9	-7.8	-10.2	-11.5	-4.7	3.5	-11.5
22	-13.2	-14.2	-14.9	-15.8	-16.9	-16.8	-17.3	-17.6	-17.5	-15.8	-13.6	-9.2	-0.5	1.4	3.2	2.4	0.9	-1.3	-3.9	-4.4	-5.9	-6.2	-6.6	-7.7	-8.8	3.2	-17.6
23	-7.7	-8.2	-8.3	-8.1	-8.1	-8.3	-7.7	-7.8	-7.9	-7.6	-5.6	-3.8	-1.7	0.1	1.1	2.1	2.5	1.2	0.5	0.5	2.6	1.1	-0.4	0.1	-3.3	2.6	-8.3
24	3.9	5.1	4.5	2.9	4.2	4.3	3.9	3.2	2.6	1.9	1.6	1.9	1.7	1.4	1.4	1.2	0.9	-0.4	-2.2	-3.3	-6.7	-8.5	-10.2	-10.2	0.2	5.1	-10.2
25	-9.7	-7.9	-8.3	-8.2	-7.2	-6.2	-5.3	-5.0	-5.1	-4.3	-2.4	0.0	3.4	3.5	3.4	3.1	2.5	2.3	2.2	2.2	2.3	2.0	2.2	1.5	-1.6	3.5	-9.7
26	1.3	0.5	-0.1	0.0	-1.3	-2.5	-3.5	-5.3	-5.5	-5.5	-3.6	0.4	5.1	5.5	5.1	4.8	4.7	3.4	1.8	0.0	-0.7	-1.0	-1.0	-1.8	0.0	5.5	-5.5
27	-2.1	-2.3	-3.0	-2.9	-3.1	-3.8	-5.0	-5.4	-5.9	-5.9	-5.4	-5.2	-5.1	-4.9	-5.2	-5.4	-6.0	-8.3	-9.5	-10.5	-11.9	-13.3	-13.9	-15.1	-6.6	-2.1	-15.1
28	-16.2	-17.0	-17.0	-17.4	-18.6	-20.2	-21.6	-22.8	-22.6	-18.5	-16.1	-12.2	-7.3	-5.6	-5.8	-6.1	-6.2	-6.7	-7.0	-7.8	-8.5	-8.4	-8.3	-7.6	-12.7	-5.6	-22.8
29	-8.0	-7.8	-7.6	-8.4	-9.7	-10.9	-12.2	-13.2	-14.2	-13.6	-13.4	-13.1	-16.9	-17.4	-18.2	-18.8	-20.3	-21.6	-20.9	-19.8	-19.1	-18.2	-17.3	-16.7	-14.9	-7.6	-21.6
30	-15.9	-15.3	-14.1	-13.4	-12.2	-11.2	-10.8	-10.6	-10.0	-8.6	-5.6	-3.6	-2.6	-1.2	-1.5	-2.8	-3.6	-4.3	-4.6	-4.9	-4.4	-5.0	-5.6	-6.5	-7.4	-1.2	-15.9
31	-6.7	-7.1	-6.1	-5.9	-5.4	-4.7	-4.9	-4.6	-3.9	-4.1	-3.1	-2.1	-0.1	0.5	0.8	1.3	1.3	0.4	0.2	0.3	0.2	0.1	0.0	-0.3	-2.2	1.3	-7.1
Avg	-9.3	-9.5	-9.8	-10.2	-10.6	-10.9	-11.2	-11.5	-11.6	-10.7	-8.9	-6.8	-4.7	-3.6	-3.2	-3.4	-4.1	-5.3	-6.2	-6.9	-7.5	-8.1	-8.6	-9.0	-8.0	-1.9	-14.8
Max	3.9	5.1	4.5	2.9	4.2	4.3	3.9	3.2	2.6	2.0	2.6	4.1	5.1	5.5	5.1	4.8	4.7	3.4	2.7	2.6	2.6	2.3	2.2	1.5	2.3	5.5	-0.5
Min	-22.3	-23.8	-24.8	-26.4	-27.6	-28.3	-29.1	-29.5	-29.0	-27.6	-25.4	-22.1	-19.0	-17.8	-18.2	-18.8	-20.3	-21.6	-20.9	-19.8	-19.3	-19.2	-20.4	-21.8	-21.4	-15.7	-29.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
February 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-0.5	-0.7	-0.7	-0.2	-1.1	-1.2	-1.3	-1.5	-1.4	-1.2	-0.8	-0.5	-0.2	0.3	0.0	0.3	0.1	-0.1	-0.7	-1.1	-1.6	-2.5	-5.3	-8.6	-1.3	0.3	-8.6
2	-10.9	-13.7	-14.3	-15.6	-16.5	-16.3	-15.2	-12.7	-13.6	-12.6	-11.0	-6.1	-1.1	0.1	0.1	0.2	-0.4	-1.5	-5.5	-8.9	-11.5	-12.6	-13.6	-14.9	-9.5	0.2	-16.5
3	-16.0	-16.0	-16.2	-15.5	-14.7	-13.8	-12.5	-12.5	-10.8	-8.9	-8.1	-6.4	-0.1	1.2	1.7	1.7	0.6	-0.2	-1.1	-2.2	-5.2	-6.9	-4.4	-0.3	-6.9	1.7	-16.2
4	-0.4	-0.2	-0.1	-0.5	-0.9	-0.7	-0.2	0.0	0.1	0.1	0.2	0.6	0.8	0.5	0.5	0.8	0.5	0.7	0.6	0.6	0.5	0.3	0.2	0.0	0.2	0.8	-0.9
5	-0.4	-0.8	-1.9	-2.6	-3.3	-4.1	-4.4	-4.3	-4.4	-3.8	-2.8	-0.9	1.0	2.0	1.4	2.0	1.2	-1.0	-3.1	-5.4	-7.0	-6.7	-8.3	-9.7	-2.8	2.0	-9.7
6	-10.5	-7.8	-3.7	-1.7	-2.3	-4.6	-5.3	-8.3	-8.5	-6.2	-1.4	-1.5	-1.3	-0.9	-0.7	-0.7	-2.2	-3.1	-5.6	-7.8	-9.7	-12.0	-13.7	-14.8	-5.6	-0.7	-14.8
7	-15.8	-16.6	-17.9	-18.3	-17.9	-17.7	-16.5	-14.3	-13.6	-12.8	-11.5	-9.0	-1.6	0.0	0.4	-0.6	-1.4	-2.6	-2.8	-3.2	-4.8	-4.5	-5.2	-5.8	-8.9	0.4	-18.3
8	-6.5	-6.4	-7.4	-11.1	-11.3	-13.8	-15.9	-16.1	-15.8	-14.5	-12.0	-9.4	-4.8	-1.8	-0.7	-0.9	-1.4	-2.3	-4.7	-6.5	-8.4	-8.5	-8.4	-9.7	-8.3	-0.7	-16.1
9	-12.2	-13.6	-14.5	-15.5	-16.7	-17.5	-19.2	-19.6	-20.3	-17.9	-15.7	-11.5	-6.6	-3.9	-3.0	-2.9	-3.6	-4.7	-5.0	-5.2	-5.2	-5.5	-5.4	-5.5	-10.4	-2.9	-20.3
10	-5.8	-6.9	-6.7	-7.4	-7.6	-8.0	-8.7	-9.0	-9.2	-9.0	-8.8	-8.5	-8.3	-8.4	-8.5	-8.9	-10.0	-12.7	-13.8	-17.4	-20.0	-21.9	-22.1	-22.2	-11.2	-5.8	-22.2
11	-24.2	-22.8	-23.8	-25.0	-25.7	-25.2	-24.4	-23.7	-21.8	-21.0	-18.9	-13.4	-7.2	-5.8	-5.3	-4.8	-4.8	-5.7	-7.8	-10.5	-12.7	-12.2	-12.1	-12.8	-15.5	-4.8	-25.7
12	-13.1	-12.8	-11.1	-6.8	-5.7	-5.1	-5.3	-5.2	-5.0	-4.5	-3.9	-3.3	-2.6	-1.9	-1.5	-1.5	-1.1	-1.7	-2.5	-2.6	-2.7	-1.9	-1.7	-1.2	-4.4	-1.1	-13.1
13	-0.5	-0.6	-0.7	-0.4	-0.4	-0.2	-0.3	-0.2	0.0	0.3	0.5	0.7	0.5	0.9	1.0	0.3	0.0	-0.5	-0.8	-1.3	-1.5	-2.8	-3.4	-5.4	-0.6	1.0	-5.4
14	-7.1	-7.5	-7.9	-8.2	-9.3	-9.6	-9.8	-9.4	-9.7	-9.5	-9.0	-8.3	-7.1	-7.0	-5.9	-5.5	-5.3	-5.3	-5.4	-5.3	-5.4	-5.0	-4.9	-5.4	-7.2	-4.9	-9.8
15	-6.0	-6.9	-7.2	-7.0	-8.5	-11.5	-14.1	-16.1	-17.0	-16.3	-13.3	-9.2	-2.1	-0.7	-0.3	0.2	0.0	-0.3	-1.7	-5.5	-7.2	-8.7	-10.3	-10.2	-7.5	0.2	-17.0
16	-9.2	-9.0	-9.9	-11.2	-12.2	-13.1	-14.0	-14.5	-14.4	-12.7	-9.5	-5.1	1.6	4.0	3.8	3.9	4.1	3.8	1.7	-2.1	-4.0	-3.6	-5.3	-4.9	-5.5	4.1	-14.5
17	-1.9	-1.2	-1.2	-1.5	-1.9	-2.8	-3.1	-4.0	-4.5	-4.2	-4.0	-3.9	-3.9	-3.4	-3.4	-3.6	-3.7	-5.0	-6.0	-5.6	-5.2	-5.5	-6.0	-6.1	-3.8	-1.2	-6.1
18	-6.6	-7.2	-7.8	-9.3	-11.8	-14.4	-14.0	-13.3	-12.4	-11.1	-9.8	-7.2	-5.4	-4.8	-4.6	-4.2	-6.1	-7.1	-8.6	-9.0	-11.7	-13.9	-14.0	-12.8	-9.5	-4.2	-14.4
19	-12.4	-11.8	-11.0	-10.5	-10.7	-10.2	-9.6	-11.5	-11.7	-8.7	-6.3	-4.8	-4.0	-3.1	-1.9	-0.7	-1.0	-2.4	-5.2	-6.8	-9.3	-11.4	-14.0	-14.8	-8.1	-0.7	-14.8
20	-15.8	-16.3	-17.0	-17.5	-17.9	-18.6	-19.2	-16.6	-15.1	-13.4	-10.5	-6.9	-4.7	-4.0	-3.8	-3.9	-4.0	-4.1	-4.5	-5.2	-6.3	-8.1	-8.2	-10.2	-10.5	-3.8	-19.2
21	-10.0	-10.3	-10.3	-12.3	-13.2	-14.5	-16.2	-17.7	-19.6	-18.6	-15.7	-9.5	-6.7	-5.5	-5.2	-4.8	-4.9	-5.2	-6.3	-6.9	-6.6	-6.3	-6.5	-6.8	-10.0	-4.8	-19.6
22	-7.5	-7.1	-6.9	-7.5	-9.9	-10.7	-12.2	-13.1	-13.8	-12.5	-6.2	-3.3	-2.8	-2.0	-1.8	-1.4	-1.1	-2.3	-3.3	-3.5	-1.5	-1.7	-1.5	-1.2	-5.6	-1.1	-13.8
23	-2.5	-2.3	-2.0	-2.3	-3.3	-3.3	-3.0	-3.5	-4.5	-3.8	-4.2	-4.6	-4.4	-4.0	-3.7	-3.8	-4.0	-4.3	-5.5	-6.0	-5.8	-5.8	-6.1	-7.0	-4.2	-2.0	-7.0
24	-9.9	-12.8	-15.8	-17.9	-19.5	-20.5	-21.1	-22.6	-21.7	-19.4	-14.2	-7.2	-4.4	-4.4	-3.4	-2.9	-2.9	-3.5	-4.4	-4.7	-4.9	-5.1	-5.6	-5.6	-10.6	-2.9	-22.6
25	-5.9	-9.5	-12.1	-14.0	-15.3	-17.2	-17.5	-17.3	-17.0	-14.4	-12.3	-7.0	-4.0	-2.6	-2.1	-1.8	-1.9	-2.1	-2.8	-3.2	-3.6	-5.1	-6.3	-9.8	-8.5	-1.8	-17.5
26	-11.7	-13.2	-13.8	-14.7	-15.4	-15.6	-14.6	-13.5	-12.9	-11.0	-6.6	-3.8	-3.4	-3.0	-3.0	-4.1	-4.0	-4.3	-6.4	-8.0	-8.3	-7.4	-10.3	-13.0	-9.3	-3.0	-15.6
27	-15.3	-17.5	-18.2	-19.2	-20.7	-21.2	-21.9	-22.0	-20.8	-17.7	-14.2	-7.1	-3.8	-2.5	-1.5	-0.7	-1.1	-2.0	-3.6	-3.9	-4.7	-4.7	-8.0	-11.0	-11.0	-0.7	-22.0
28	-13.6	-15.3	-14.9	-14.1	-12.5	-10.5	-9.1	-7.3	-6.8	-5.2	-3.2	-2.0	-1.1	-0.5	0.0	0.4	0.4	-0.1	-0.8	-2.6	-4.5	-7.0	-9.3	-8.9	-6.2	0.4	-15.3
Avg	-9.0	-9.5	-9.8	-10.3	-10.9	-11.5	-11.7	-11.8	-11.7	-10.4	-8.3	-5.7	-3.1	-2.2	-1.8	-1.7	-2.1	-2.8	-4.1	-5.3	-6.4	-7.0	-7.8	-8.5	-7.2	-1.3	-14.9
Max	-0.4	-0.2	-0.1	-0.2	-0.4	-0.2	-0.2	0.0	0.1	0.3	0.5	0.7	1.6	4.0	3.8	3.9	4.1	3.8	1.7	0.6	0.5	0.3	0.2	0.0	0.2	4.1	-0.9
Min	-24.2	-22.8	-23.8	-25.0	-25.7	-25.2	-24.4	-23.7	-21.8	-21.0	-18.9	-13.4	-8.3	-8.4	-8.5	-8.9	-10.0	-12.7	-13.8	-17.4	-20.0	-21.9	-22.1	-22.2	-15.5	-5.8	-25.7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
March 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-8.0	-7.1	-4.2	-0.8	-0.9	-1.2	1.1	1.3	1.6	2.5	3.4	4.5	4.8	5.2	5.1	5.0	5.0	4.9	4.9	4.4	4.3	3.7	3.3	2.6	1.9	5.2	-8.0
2	2.1	2.1	0.4	-0.3	1.4	1.9	0.7	0.0	-0.5	0.6	0.6	1.2	2.5	3.5	5.4	5.6	6.6	5.5	3.7	2.7	1.3	0.4	-1.1	-3.2	1.8	6.6	-3.2
3	-3.2	-2.3	-1.6	-1.1	-1.1	0.2	0.6	-0.1	0.5	1.8	1.2	-2.3	-3.3	-3.3	-2.9	-3.2	-3.4	-4.3	-5.7	-7.3	-8.4	-8.8	-9.2	-9.7	-3.2	1.8	-9.7
4	-10.5	-10.9	-10.8	-10.8	-11.2	-11.7	-11.8	-11.7	-11.3	-10.8	-10.3	-9.8	-9.3	-9.4	-9.4	-9.4	-9.4	-10.4	-12.8	-16.3	-17.5	-20.0	-20.3	-22.4	-12.4	-9.3	-22.4
5	-22.2	-23.1	-23.2	-23.6	-23.7	-23.6	-22.7	-22.0	-20.2	-17.1	-10.9	-5.2	-3.8	-3.1	-2.5	-2.3	-2.4	-1.5	-3.4	-3.5	-3.7	-3.5	-4.4	-4.7	-11.5	-1.5	-23.7
6	-5.7	-6.9	-8.2	-8.5	-9.8	-9.9	-10.2	-10.4	-10.0	-7.7	-3.5	1.1	1.5	0.1	-0.5	0.4	1.0	1.4	1.0	0.0	-0.9	-2.1	-2.1	-1.5	-3.8	1.5	-10.4
7	-1.8	-1.6	-2.0	-3.1	-3.6	-5.4	-5.7	-3.9	-2.7	-2.0	-1.4	-0.7	-0.3	0.0	0.6	0.6	0.4	0.0	-3.6	-6.7	-8.1	-8.7	-8.5	-9.5	-3.2	0.6	-9.5
8	-9.6	-10.2	-11.0	-10.7	-11.9	-13.5	-14.0	-14.8	-13.4	-11.1	-8.8	-4.7	-0.1	1.0	1.2	1.3	1.1	0.0	-2.5	-6.3	-9.2	-11.1	-12.6	-14.1	-7.7	1.3	-14.8
9	-14.9	-15.7	-16.8	-16.9	-17.6	-17.9	-17.3	-15.2	-13.3	-11.5	-5.8	-1.9	-1.1	-0.4	-0.1	0.1	-0.1	-0.6	-2.7	-6.0	-8.9	-11.2	-12.4	-13.2	-9.2	0.1	-17.9
10	-14.0	-13.8	-13.8	-14.3	-14.2	-14.4	-15.0	-14.6	-13.3	-8.9	-1.2	-0.1	0.9	1.8	2.3	1.8	1.8	1.4	1.0	1.9	2.0	1.4	0.5	-0.8	-5.1	2.3	-15.0
11	-3.1	-3.9	-4.8	-4.3	-1.8	-2.8	-2.7	-2.4	-2.4	-2.3	-1.9	-1.3	-2.7	-2.8	-3.0	-3.2	-4.2	-5.6	-6.6	-7.7	-9.5	-11.4	-10.8	-11.2	-4.7	-1.3	-11.4
12	-12.2	-14.7	-15.0	-16.1	-16.4	-16.7	-16.9	-16.3	-14.3	-12.2	-10.5	-8.7	-4.9	-2.1	-1.3	-0.4	0.0	-0.5	0.2	-0.4	-0.7	-0.4	3.3	3.9	-7.2	3.9	-16.9
13	3.6	2.4	2.5	2.2	1.7	1.8	1.3	1.9	2.7	5.5	5.7	6.1	7.3	8.0	8.1	7.7	7.2	6.9	6.5	6.7	6.6	5.7	4.1	2.9	4.8	8.1	1.3
14	1.7	0.2	-0.9	-2.0	-3.0	-3.4	-3.5	-3.6	-3.0	-1.9	0.3	1.6	2.8	4.7	5.3	6.6	6.0	4.9	3.9	3.1	2.2	1.1	0.7	-1.1	0.9	6.6	-3.6
15	-1.6	4.7	4.8	4.8	5.3	4.8	4.6	4.3	4.8	5.1	5.5	5.9	6.2	6.1	6.3	5.9	5.5	5.0	3.6	2.4	0.5	-0.9	-1.7	-2.2	3.7	6.3	-2.2
16	-2.5	-2.5	-3.7	-3.9	-4.3	-4.1	-2.9	-3.1	-0.3	1.2	1.8	2.1	1.8	3.4	3.8	4.1	4.3	3.9	2.7	1.0	-0.1	-0.1	0.8	1.3	0.2	4.3	-4.3
17	0.6	-0.6	-1.5	-1.7	-2.2	-2.0	-3.1	-3.6	-4.1	-4.5	-4.1	-3.5	-3.5	-3.6	-4.7	-5.6	-6.7	-7.2	-9.5	-11.7	-12.4	-11.8	-11.8	-11.8	-5.4	0.6	-12.4
18	-11.6	-11.3	-11.0	-10.7	-10.8	-11.0	-13.6	-13.7	-13.5	-10.2	-5.9	-4.9	-4.1	-3.4	-2.9	-3.1	-3.4	-4.2	-4.4	-4.6	-5.2	-6.5	-6.5	-6.3	-7.6	-2.9	-13.7
19	-6.8	-7.5	-6.3	-7.4	-7.4	-8.3	-10.4	-11.2	-8.4	-6.3	-5.1	-4.4	-3.8	-3.0	-2.2	-1.3	-1.1	-2.2	-5.1	-5.9	-7.4	-7.9	-7.3	-6.0	-5.9	-1.1	-11.2
20	-7.2	-5.5	-4.0	-4.4	-4.9	-5.0	-3.8	-2.7	0.3	1.7	Au	Au	Au	Au	Au	Au	Au	6.1	5.3	5.0	4.3	1.5	-0.4	-0.7	-0.8	6.1	-7.2
21	-1.6	-1.2	-1.7	-1.9	-2.8	-2.8	-3.0	-3.5	-3.6	-3.6	-2.9	-2.7	-2.5	-2.8	-2.7	-2.8	-3.0	-3.7	-4.6	-5.1	-6.1	-7.4	-7.3	-6.1	-3.6	-1.2	-7.4
22	-6.3	-7.3	-8.1	-8.8	-9.4	-11.1	-10.4	-9.5	-7.6	-7.4	-7.0	-6.9	-6.6	-6.5	-6.3	-6.1	-6.9	-8.5	-9.6	-10.2	-10.1	-10.6	-11.3	-14.0	-8.6	-6.1	-14.0
23	-16.2	-17.5	-18.8	-20.4	-20.8	-21.7	-22.5	-22.7	-20.5	-16.8	-10.5	-8.4	-7.1	-6.4	-6.2	-6.0	-6.4	-6.8	-8.0	-10.1	-11.7	-12.7	-14.0	-15.2	-13.6	-6.0	-22.7
24	-16.0	-16.6	-17.6	-18.6	-19.7	-20.2	-21.0	-21.4	-19.2	-14.1	-7.4	-6.1	-5.1	-4.5	-4.1	-3.9	-3.9	-4.3	-6.0	-8.8	-10.2	-10.9	-12.0	-14.7	-11.9	-3.9	-21.4
25	-14.8	-16.1	-17.9	-17.5	-19.2	-18.0	-19.9	-18.8	-15.5	-10.2	-4.0	-1.7	-0.5	0.2	0.7	1.4	1.6	1.1	-0.9	-3.9	-6.0	-6.9	-9.6	-9.6	-8.6	1.6	-19.9
26	-10.5	-12.1	-11.4	-10.7	-10.2	-10.1	-9.5	-8.6	-8.2	-5.9	-1.7	0.8	1.8	2.6	3.2	3.8	4.0	3.7	1.6	-1.3	-2.4	-5.4	-6.6	-6.9	-4.2	4.0	-12.1
27	-8.3	-8.5	-8.0	-9.0	-9.6	-10.3	-10.5	-9.7	-7.5	-3.9	1.2	4.1	4.8	5.5	6.1	6.3	6.3	6.3	4.0	1.6	0.2	-0.3	-1.2	-1.8	-1.8	6.3	-10.5
28	-1.9	-2.8	-2.5	-2.9	-4.0	-6.0	-6.6	-5.9	-2.8	1.3	5.3	6.3	6.4	7.6	7.6	8.7	8.0	7.1	5.9	4.3	2.7	2.1	1.3	0.9	1.7	8.7	-6.6
29	0.4	-0.2	-0.6	-2.0	-2.6	-3.4	-3.3	-2.5	-1.3	1.2	4.7	5.9	5.8	5.7	5.9	6.1	6.2	5.8	4.8	2.7	1.0	1.2	-0.2	-1.5	1.7	6.2	-3.4
30	-2.8	-3.6	-4.2	-4.6	-5.4	-6.1	-6.8	-5.7	-3.3	1.1	3.8	4.4	5.1	5.8	6.3	6.9	7.4	7.1	6.1	3.2	0.4	-0.8	-2.4	-3.8	0.3	7.4	-6.8
31	-4.5	-5.2	-5.4	-5.8	-6.1	-6.8	-6.7	-5.5	-2.4	3.1	5.1	5.8	6.2	6.2	6.5	6.6	7.0	6.3	4.8	3.1	1.1	-1.3	-2.0	-3.0	0.3	7.0	-6.8
Avg	-6.8	-7.1	-7.3	-7.6	-7.9	-8.3	-8.6	-8.2	-6.9	-4.6	-2.1	-0.8	-0.0	0.5	0.9	1.1	0.9	0.6	-0.8	-2.4	-3.6	-4.6	-5.2	-5.9	-4.0	2.0	-11.2
Max	3.6	4.7	4.8	4.8	5.3	4.8	4.6	4.3	4.8	5.5	5.7	6.3	7.3	8.0	8.1	8.7	8.0	7.1	6.5	6.7	6.6	5.7	4.1	3.9	4.8	8.7	1.3
Min	-22.2	-23.1	-23.2	-23.6	-23.7	-23.6	-22.7	-22.7	-20.5	-17.1	-10.9	-9.8	-9.3	-9.4	-9.4	-9.4	-9.4	-10.4	-12.8	-16.3	-17.5	-20.0	-20.3	-22.4	-13.6	-9.3	-23.7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
January 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.21	0.22	0.16	0.34	0.00	0.24	0.31	0.96	1.18	0.68	0.08	-0.09	-0.08	-0.02	-0.01	0.37	0.79	0.38	0.99	2.28	1.84	1.31	1.34	1.32	0.62	2.28	-0.09
2	1.96	1.76	1.70	1.95	2.19	1.39	2.13	2.35	1.99	1.52	1.07	0.98	0.67	0.02	-0.13	0.36	1.17	0.97	1.18	1.41	1.35	1.26	1.53	1.90	1.36	2.35	-0.13
3	2.10	1.88	2.28	2.13	2.31	1.76	1.62	2.10	2.39	1.82	1.70	1.80	2.05	1.19	1.28	0.93	0.57	1.66	2.89	2.68	2.76	2.25	1.66	1.11	1.87	2.89	0.57
4	1.66	1.62	1.77	1.95	2.29	1.91	1.88	2.89	2.37	1.54	1.36	0.77	0.24	0.30	0.41	0.44	0.62	0.63	0.45	0.44	0.41	0.40	0.45	0.86	1.15	2.89	0.24
5	1.23	1.48	1.35	1.48	1.60	1.77	1.57	1.54	2.47	1.23	0.99	0.64	0.51	0.40	-0.55	0.42	0.59	1.44	0.86	2.24	1.72	1.87	1.54	1.72	1.25	2.47	-0.55
6	0.74	1.19	1.31	1.61	1.71	1.83	1.51	0.80	1.71	1.11	0.45	0.37	0.33	0.37	0.37	0.24	0.29	0.40	0.36	0.47	0.37	0.33	0.31	0.43	0.78	1.83	0.24
7	0.50	0.28	0.44	0.67	0.49	0.51	0.59	0.37	0.39	0.25	0.11	0.00	0.02	0.17	0.13	0.16	0.16	0.13	0.14	0.13	0.13	0.11	0.19	0.18	0.26	0.67	0.00
8	0.18	0.16	0.15	0.23	0.24	0.23	0.24	0.20	0.20	0.19	0.14	0.12	0.14	0.13	0.12	0.21	0.30	0.47	0.45	0.68	0.81	0.55	0.12	0.36	0.28	0.81	0.12
9	0.38	0.43	0.62	0.65	1.04	0.58	0.33	0.29	0.32	0.40	0.31	0.17	0.33	0.36	0.36	0.34	0.33	0.89	0.49	0.59	0.60	0.46	0.74	0.44	0.48	1.04	0.17
10	0.56	1.03	1.07	0.78	0.61	0.08	0.00	-0.07	-0.03	-0.01	-0.01	-0.01	-0.05	-0.04	-0.02	-0.03	-0.03	-0.03	-0.02	-0.03	0.05	0.08	-0.01	-0.02	0.16	1.07	-0.07
11	-0.04	-0.05	-0.05	-0.05	-0.05	-0.06	-0.06	-0.07	-0.07	-0.07	-0.09	-0.12	-0.10	-0.07	-0.07	-0.06	-0.04	-0.01	0.01	0.00	0.00	0.00	0.19	0.84	-0.00	0.84	-0.12
12	0.55	0.69	0.92	1.43	1.77	1.50	1.57	1.32	1.18	1.11	0.40	-0.20	0.35	-0.22	0.03	0.37	0.48	0.20	0.06	0.17	0.04	0.10	0.11	0.50	0.60	1.77	-0.22
13	1.07	0.82	0.66	0.31	0.39	0.29	0.32	0.39	0.27	0.32	0.06	0.01	-0.10	-0.08	-0.11	-0.05	0.14	0.12	0.13	0.31	0.89	0.59	0.46	0.36	0.32	1.07	-0.11
14	0.41	1.18	1.39	1.14	2.70	2.11	2.08	2.09	0.93	0.93	0.48	0.25	-0.15	-0.03	-0.04	0.02	-0.04	0.02	-0.03	-0.04	-0.05	-0.02	-0.01	0.11	0.64	2.70	-0.15
15	0.09	0.02	0.00	-0.04	-0.02	0.00	-0.01	-0.02	-0.01	-0.01	-0.03	-0.03	-0.02	-0.04	0.03	0.13	0.26	0.40	0.50	0.77	1.17	0.88	0.95	1.04	0.25	1.17	-0.04
16	1.11	0.94	1.95	0.75	0.99	1.43	1.46	2.29	1.62	1.14	0.74	0.96	1.80	0.53	0.32	0.63	0.39	0.82	1.45	0.52	0.70	1.24	1.35	1.58	1.11	2.29	0.32
17	1.80	2.28	2.34	2.06	1.97	1.97	2.48	1.92	1.80	2.30	1.36	2.16	1.51	0.55	0.60	0.75	0.80	1.23	1.17	1.63	2.02	1.41	1.64	1.11	1.62	2.48	0.55
18	0.73	0.68	0.61	0.67	0.62	0.61	0.49	0.45	0.48	0.50	0.54	0.57	0.51	0.68	0.67	0.73	0.61	0.71	0.77	1.23	1.24	1.23	1.31	1.50	0.76	1.50	0.45
19	2.19	4.29	3.29	1.79	3.22	2.31	2.42	1.98	2.46	0.93	0.42	0.35	0.41	0.50	0.47	0.53	0.56	0.63	0.71	0.91	1.15	1.66	1.51	0.71	1.47	4.29	0.35
20	1.90	1.78	0.69	0.57	0.59	0.61	0.20	0.12	0.03	-0.09	-0.10	-0.03	-0.39	0.02	0.06	0.12	0.64	2.04	1.25	0.88	0.94	0.54	0.39	0.48	0.55	2.04	-0.39
21	0.41	0.90	1.04	1.11	1.01	1.05	0.96	1.36	1.28	1.28	1.72	0.60	0.41	0.39	0.50	0.59	0.77	0.92	1.74	3.27	2.41	1.09	1.09	1.22	1.13	3.27	0.39
22	1.81	1.62	1.47	1.77	1.71	1.77	2.00	1.80	1.55	1.51	1.42	1.75	1.03	1.10	0.78	1.31	1.38	1.28	1.14	0.97	1.15	1.00	1.37	1.19	1.41	2.00	0.78
23	1.55	1.46	1.36	1.02	1.10	1.22	0.75	0.74	0.97	0.77	0.45	0.63	1.30	1.39	1.69	0.97	0.84	0.79	0.96	1.23	1.13	1.02	1.43	1.29	1.09	1.69	0.45
24	1.08	1.00	0.84	1.12	0.73	0.52	0.39	0.37	0.28	0.18	0.28	0.23	0.26	0.33	0.33	0.39	0.47	0.74	1.00	1.44	1.61	1.13	1.20	1.05	0.71	1.61	0.18
25	1.01	0.74	1.05	0.95	1.14	0.87	0.59	0.64	0.48	0.92	0.81	0.55	0.35	0.40	0.42	0.42	0.41	0.26	0.16	0.36	0.27	0.56	0.41	0.50	0.59	1.14	0.16
26	0.30	0.57	0.46	0.70	0.92	0.82	0.96	1.64	1.37	1.32	0.66	1.10	0.53	0.56	0.64	0.78	0.84	0.84	0.49	0.04	0.14	0.13	0.01	-0.03	0.66	1.64	-0.03
27	-0.01	-0.02	0.05	0.06	0.14	0.33	0.36	0.40	0.69	0.41	0.28	0.15	0.14	0.14	0.34	0.33	0.60	1.24	1.36	1.09	1.11	1.60	1.24	1.46	0.56	1.60	-0.02
28	1.42	1.50	1.22	1.72	2.15	2.47	2.27	2.54	1.51	0.66	0.18	0.62	-0.17	-0.22	0.29	0.41	0.34	0.44	0.25	0.48	0.59	0.39	0.55	0.30	0.91	2.54	-0.22
29	0.04	0.00	0.05	0.48	1.01	1.19	0.96	1.39	1.18	0.57	0.27	0.14	0.10	0.09	0.15	0.22	0.58	0.79	0.19	0.00	-0.06	-0.08	-0.11	-0.07	0.38	1.39	-0.11
30	-0.05	0.00	0.13	0.03	0.27	0.01	0.30	0.26	0.03	-0.15	-0.04	-0.01	0.04	0.09	0.06	0.00	-0.01	-0.02	-0.03	0.04	0.04	0.07	0.00	0.09	0.05	0.30	-0.15
31	0.10	0.09	0.09	0.07	0.15	0.21	0.31	0.24	0.13	0.18	0.34	0.16	0.12	0.13	0.12	0.17	0.21	0.20	0.13	0.13	0.12	0.08	0.05	0.09	0.15	0.34	0.05
Avg	0.87	0.99	0.98	0.95	1.13	1.02	1.00	1.07	1.00	0.76	0.53	0.47	0.39	0.29	0.30	0.39	0.48	0.66	0.68	0.85	0.86	0.75	0.74	0.76	0.75	1.81	0.08
Max	2.19	4.29	3.29	2.13	3.22	2.47	2.48	2.89	2.47	2.30	1.72	2.16	2.05	1.39	1.69	1.31	1.38	2.04	2.89	3.27	2.76	2.25	1.66	1.90	1.87	4.29	0.78
Min	-0.05	-0.05	-0.05	-0.05	-0.05	-0.06	-0.06	-0.07	-0.07	-0.15	-0.10	-0.20	-0.39	-0.22	-0.55	-0.06	-0.04	-0.03	-0.03	-0.04	-0.06	-0.08	-0.11	-0.07	-0.00	0.30	-0.55

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
February 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.07	0.05	0.04	0.12	0.01	-0.02	-0.03	0.03	0.12	0.14	0.10	0.24	0.28	0.22	0.36	0.31	0.37	0.26	0.23	0.14	0.22	0.43	1.26	2.15	0.30	2.15	-0.03
2	1.31	1.88	2.01	2.08	1.95	1.86	2.43	2.96	2.99	1.80	1.61	1.39	0.78	0.31	0.34	0.45	0.93	1.04	1.52	1.23	1.54	1.85	1.68	2.11	1.59	2.99	0.31
3	2.26	2.10	1.89	1.50	1.82	1.14	1.52	1.50	1.09	0.81	0.88	1.44	0.66	0.43	0.47	0.49	0.97	1.14	0.77	1.65	2.71	4.47	1.93	0.36	1.42	4.47	0.36
4	0.22	0.21	0.23	0.30	0.26	0.14	0.17	0.21	0.16	0.19	0.25	0.28	0.27	0.15	0.20	0.15	0.34	0.20	0.32	0.30	0.26	0.19	0.31	0.33	0.23	0.34	0.14
5	0.40	0.45	0.93	0.46	0.43	0.40	0.48	0.30	0.41	0.25	0.50	0.68	0.47	0.27	0.07	0.23	1.13	1.65	1.24	1.35	1.51	1.18	1.64	1.37	0.74	1.65	0.07
6	1.81	1.89	1.18	0.70	0.69	1.10	1.80	1.62	2.21	1.49	0.29	0.20	0.12	0.25	0.34	0.43	0.48	1.13	1.75	1.72	1.80	2.51	1.72	1.54	1.20	2.51	0.12
7	1.77	1.74	2.03	1.76	2.37	2.63	2.00	1.34	0.82	0.85	1.00	1.15	1.06	0.61	0.58	0.97	1.17	1.44	0.72	0.82	1.01	0.52	0.72	0.60	1.24	2.63	0.52
8	0.83	0.93	0.72	1.49	1.17	1.16	2.21	2.18	1.45	1.25	0.90	1.08	1.25	0.36	0.40	0.63	0.78	0.62	1.23	1.12	1.17	0.99	0.98	1.91	1.12	2.21	0.36
9	1.88	1.70	1.85	1.58	1.94	1.83	2.06	2.19	2.47	1.83	1.04	1.38	0.44	0.28	0.27	0.45	0.19	0.14	0.19	0.11	0.07	0.01	0.00	0.02	1.00	2.47	0.00
10	0.03	0.25	0.04	0.17	0.09	0.08	0.10	0.17	0.10	0.07	0.11	0.07	0.07	0.09	0.08	0.19	0.52	0.94	0.88	1.03	1.16	1.35	1.64	1.21	0.44	1.64	0.03
11	1.66	1.06	2.13	2.04	2.00	1.84	1.33	1.47	0.79	1.53	1.20	1.09	-0.29	0.16	0.24	0.34	0.43	0.57	1.39	1.04	1.03	0.71	0.70	1.23	1.07	2.13	-0.29
12	1.10	1.05	0.78	0.55	0.13	0.09	0.02	0.03	0.00	0.02	0.04	0.04	0.02	0.06	0.09	0.08	0.14	0.29	0.39	0.34	0.25	0.20	0.18	0.15	0.25	1.10	0.00
13	0.12	0.14	0.14	0.08	0.16	0.17	0.23	0.19	0.19	0.18	0.24	0.27	0.20	0.12	0.25	0.33	0.38	0.24	0.26	0.28	0.24	0.17	0.24	0.04	0.20	0.38	0.04
14	0.03	0.04	0.08	0.21	0.36	0.23	0.21	0.03	0.00	0.09	-0.15	-0.28	-0.69	-0.23	-0.19	-0.08	-0.01	-0.01	0.02	0.08	0.14	0.15	0.19	0.25	0.02	0.36	-0.69
15	0.44	0.72	1.54	0.70	1.72	2.24	1.93	1.27	1.46	1.62	0.71	1.75	0.54	0.35	0.42	0.49	0.87	1.12	1.05	1.58	0.79	0.66	1.13	1.74	1.12	2.24	0.35
16	1.93	1.72	0.79	1.12	1.28	1.58	1.64	1.69	1.43	2.10	1.21	1.81	1.27	0.60	0.61	0.77	0.97	0.70	1.25	1.70	1.49	2.33	1.84	1.21	1.38	2.33	0.60
17	0.84	0.15	0.16	0.30	0.22	0.22	0.24	0.03	0.02	0.02	-0.03	-0.02	-0.02	0.00	0.02	0.03	0.08	0.55	0.42	0.12	0.07	0.16	0.34	0.22	0.17	0.84	-0.03
18	0.41	0.40	0.42	0.49	0.87	1.04	0.52	0.50	0.17	-0.14	-0.08	-0.15	0.01	-0.04	0.13	0.20	1.57	1.91	0.85	0.48	1.67	2.61	2.25	2.20	0.76	2.61	-0.15
19	1.39	1.01	1.19	0.73	0.85	0.54	0.36	0.99	1.46	1.00	0.59	0.27	0.31	0.13	-0.03	-0.02	0.03	0.42	0.97	0.65	1.10	1.15	2.06	1.64	0.78	2.06	-0.03
20	2.23	1.68	2.45	1.13	2.16	1.38	1.75	1.16	0.46	0.83	0.29	0.15	-0.11	-0.12	-0.12	-0.08	-0.03	0.06	0.16	0.44	0.61	0.80	0.34	0.76	0.77	2.45	-0.12
21	0.65	0.51	0.59	1.70	1.12	1.85	1.43	1.19	1.42	1.27	2.06	0.61	0.58	0.07	0.19	0.18	0.24	0.24	0.48	0.70	0.22	0.22	0.17	0.21	0.75	2.06	0.07
22	0.24	0.13	0.06	0.31	1.03	1.15	1.46	0.60	1.27	1.71	1.15	0.17	0.33	0.28	0.30	0.34	0.46	1.07	1.02	1.03	0.43	0.29	0.35	0.40	0.65	1.71	0.06
23	0.88	0.68	0.66	0.72	0.77	0.98	0.14	0.20	0.56	0.19	0.23	0.10	0.18	0.12	0.12	0.23	0.20	0.22	0.23	0.02	-0.02	0.00	0.10	0.56	0.34	0.98	-0.02
24	1.54	2.16	1.69	1.44	1.67	1.81	2.16	2.43	1.94	2.23	0.97	0.73	0.06	0.29	0.22	0.21	0.35	0.47	0.67	0.43	0.43	0.54	0.78	0.65	1.08	2.43	0.06
25	0.89	1.82	1.44	1.09	1.28	1.91	1.80	1.88	1.58	0.78	1.14	1.14	0.84	0.60	0.22	0.20	0.21	0.23	0.31	0.38	0.35	0.90	0.98	1.77	0.99	1.91	0.20
26	1.66	1.63	0.91	1.21	1.17	1.24	0.93	1.13	0.58	0.91	0.50	0.03	0.05	0.14	0.13	0.13	0.43	0.21	0.91	0.76	1.04	0.83	1.48	1.39	0.81	1.66	0.03
27	1.61	1.95	0.70	2.04	2.27	2.49	1.56	1.87	2.02	1.48	2.06	0.69	0.37	0.26	0.42	0.38	0.55	0.89	1.39	1.42	1.54	1.18	1.84	2.27	1.39	2.49	0.26
28	1.03	1.18	1.17	0.67	0.39	0.45	0.33	0.19	0.21	-0.01	0.18	0.27	0.33	0.29	0.37	0.36	0.39	0.39	0.67	0.93	0.56	0.91	0.97	0.18	0.52	1.18	-0.01
Avg	1.04	1.04	0.99	0.95	1.08	1.13	1.10	1.05	0.98	0.87	0.68	0.59	0.34	0.22	0.23	0.30	0.51	0.65	0.76	0.78	0.84	0.98	0.99	1.02	0.80	1.93	0.08
Max	2.26	2.16	2.45	2.08	2.37	2.63	2.43	2.96	2.99	2.23	2.06	1.81	1.27	0.61	0.61	0.97	1.57	1.91	1.75	1.72	2.71	4.47	2.25	2.27	1.59	4.47	0.60
Min	0.03	0.04	0.04	0.08	0.01	-0.02	-0.03	0.03	0.00	-0.14	-0.15	-0.28	-0.69	-0.23	-0.19	-0.08	-0.03	-0.01	0.02	0.02	-0.02	0.00	0.00	0.02	0.02	0.34	-0.69

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
March 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.24	0.01	0.59	0.37	0.31	0.16	0.13	0.07	0.07	0.13	0.15	0.32	0.44	0.44	0.39	0.42	0.40	0.38	0.27	0.40	0.37	0.47	0.51	0.64	0.32	0.64	0.01
2	0.86	0.68	1.57	0.45	0.64	0.80	1.46	1.21	0.64	0.63	0.74	0.63	0.69	0.37	-0.22	0.70	1.06	1.24	1.34	1.19	0.40	0.38	0.41	1.12	0.79	1.57	-0.22
3	1.19	1.04	0.58	0.76	0.90	0.67	0.41	0.77	0.57	0.19	0.11	0.02	0.30	0.32	0.43	0.62	0.34	0.14	0.04	0.01	-0.05	-0.05	-0.03	-0.04	0.39	1.19	-0.05
4	0.06	0.05	0.05	0.05	0.02	0.03	0.01	-0.03	-0.03	-0.04	-0.04	-0.05	-0.03	-0.05	-0.05	-0.05	-0.02	0.49	0.64	1.10	0.98	1.53	1.25	1.78	0.32	1.78	-0.05
5	1.57	2.04	2.38	2.78	2.49	3.19	2.95	1.95	1.75	1.28	1.28	0.22	0.28	0.68	0.41	0.52	0.84	0.43	1.00	0.66	0.20	0.22	0.24	0.36	1.24	3.19	0.20
6	0.52	0.85	1.34	1.39	1.75	2.27	1.44	1.19	1.25	0.60	1.47	0.52	0.57	0.21	-0.03	0.07	0.29	0.48	0.15	0.43	0.73	0.54	0.42	0.30	0.78	2.27	-0.03
7	0.28	-0.01	0.15	0.63	0.64	1.14	0.79	0.89	0.62	0.39	0.30	0.36	0.30	0.31	0.22	0.51	0.73	0.79	1.61	1.75	1.87	2.32	1.72	1.51	0.83	2.32	-0.01
8	1.08	1.02	1.55	0.94	1.78	1.78	1.73	1.46	1.05	1.20	0.82	1.47	0.42	0.23	0.51	0.84	0.96	1.26	1.39	1.67	1.82	2.45	1.68	1.88	1.29	2.45	0.23
9	1.63	1.75	1.62	1.50	1.31	1.99	1.49	0.84	0.34	0.50	0.85	0.18	0.30	0.27	0.33	0.40	0.63	0.92	1.89	1.84	1.73	1.84	1.81	1.37	1.14	1.99	0.18
10	1.54	1.73	1.26	1.62	1.53	1.55	1.65	1.69	1.53	1.63	0.44	0.29	0.18	0.16	0.20	0.41	0.39	0.45	0.56	0.48	0.41	0.39	0.24	0.37	0.86	1.73	0.16
11	1.17	0.86	1.14	0.92	0.43	0.76	0.61	0.46	0.18	0.06	0.04	-0.03	0.00	-0.04	-0.01	-0.02	0.07	0.29	0.35	0.72	1.02	0.80	0.20	0.43	0.43	1.17	-0.04
12	0.43	1.68	1.15	1.55	1.30	1.07	1.31	0.85	0.08	0.15	0.00	-0.03	0.77	-0.04	-0.04	-0.02	0.10	0.22	0.06	0.18	0.16	0.54	0.58	0.55	0.53	1.68	-0.04
13	0.46	0.83	0.80	1.41	0.68	0.87	1.26	0.93	0.62	0.53	0.46	0.83	0.73	0.65	0.86	1.15	0.86	1.36	1.13	0.85	0.68	0.95	1.10	0.94	0.87	1.41	0.46
14	1.29	1.30	0.87	0.66	0.50	0.92	1.03	0.53	0.38	0.59	0.62	0.43	0.72	1.33	1.44	0.87	0.99	1.02	0.86	0.97	0.36	0.52	0.56	0.77	0.81	1.44	0.36
15	1.23	1.41	1.56	0.89	0.96	0.86	0.56	0.41	0.40	0.52	0.47	0.54	0.61	0.69	0.65	0.82	0.99	0.86	0.86	0.88	1.35	0.74	0.46	0.29	0.79	1.56	0.29
16	0.30	0.31	0.79	0.50	0.39	0.63	0.82	0.75	0.38	0.05	0.10	0.09	-0.10	0.25	0.39	0.49	0.59	0.55	0.69	0.39	0.31	0.27	0.18	0.30	0.39	0.82	-0.10
17	0.32	0.01	0.02	0.21	0.42	0.07	0.10	0.22	0.15	0.19	0.08	0.08	0.10	-0.13	-0.19	-0.20	-0.19	-0.05	0.12	0.46	0.52	0.00	-0.05	0.03	0.10	0.52	-0.20
18	0.01	-0.07	-0.05	0.03	0.15	0.44	1.32	1.24	1.21	0.51	0.06	0.08	0.11	0.26	0.29	0.39	0.36	0.27	0.42	0.30	0.30	0.51	0.32	0.35	0.37	1.32	-0.07
19	0.45	0.58	0.15	0.55	0.25	0.55	1.13	1.41	0.55	0.19	0.20	0.19	0.17	0.17	0.10	-0.22	0.10	0.87	1.35	0.99	0.89	1.29	1.69	0.33	0.58	1.69	-0.22
20	1.61	0.97	0.61	1.01	1.15	1.21	1.15	1.15	0.42	0.37	Au	Au	Au	Au	Au	Au	Au	0.89	0.97	0.81	0.71	0.11	-0.04	0.01	0.77	1.61	-0.04
21	0.13	0.09	0.11	0.14	0.35	0.22	0.15	0.17	0.12	0.06	-0.07	-0.05	-0.10	-0.01	0.02	0.02	0.10	0.15	0.24	0.38	0.61	0.75	0.66	0.29	0.19	0.75	-0.10
22	0.14	0.34	0.41	0.42	0.64	1.05	0.81	0.27	-0.01	-0.15	-0.11	-0.16	-0.19	-0.19	-0.16	-0.21	-0.10	0.07	0.19	0.43	0.14	0.19	0.22	1.03	0.21	1.05	-0.21
23	0.64	0.35	0.48	0.59	0.43	0.56	0.53	0.67	0.13	0.36	-0.02	-0.21	-0.20	-0.16	-0.12	-0.08	-0.04	0.17	0.60	0.93	0.73	0.36	0.26	0.29	0.30	0.93	-0.21
24	0.41	0.42	0.40	0.40	0.47	0.37	0.65	1.08	1.00	0.38	-0.04	-0.13	-0.17	-0.15	-0.10	-0.01	0.13	0.50	1.14	0.82	0.45	0.36	0.28	0.80	0.39	1.14	-0.17
25	0.40	0.65	1.21	0.97	1.90	1.04	2.03	1.17	0.19	0.41	0.00	-0.02	-0.06	-0.05	-0.07	0.02	0.27	0.71	0.89	0.45	1.06	0.71	1.12	0.50	0.65	2.03	-0.07
26	0.87	1.08	0.59	0.52	0.39	0.68	0.18	-0.18	0.28	-0.12	0.36	-0.10	0.00	0.09	0.05	0.22	0.27	0.60	0.97	0.32	0.17	0.99	1.74	1.29	0.47	1.74	-0.18
27	1.61	1.18	0.93	1.07	1.02	1.35	1.02	0.79	0.71	0.13	-0.27	0.16	0.25	0.26	0.49	0.79	0.98	0.61	1.06	0.55	0.32	0.19	0.55	0.53	0.68	1.61	-0.27
28	0.29	0.47	0.29	0.23	0.39	1.29	0.99	0.50	-0.23	-0.62	-0.71	0.20	0.56	0.13	0.35	0.18	1.11	1.22	1.18	0.73	0.61	0.36	0.43	0.23	0.42	1.29	-0.71
29	0.36	0.39	0.44	0.44	0.36	0.52	0.61	-0.09	0.10	0.07	0.18	0.45	0.53	0.49	0.53	0.68	0.71	0.89	0.53	0.84	0.49	0.69	0.36	0.26	0.45	0.89	-0.09
30	0.37	0.68	0.58	0.88	1.22	0.70	0.77	0.08	-0.01	0.17	0.22	0.24	0.34	0.27	0.24	0.31	0.30	0.59	0.88	1.34	1.14	0.39	0.72	0.94	0.56	1.34	-0.01
31	1.07	0.76	0.96	0.81	0.83	0.86	0.57	0.07	-0.02	0.28	0.37	0.25	0.03	0.03	-0.01	0.00	0.01	0.55	1.00	0.57	0.52	0.97	0.69	0.72	0.50	1.07	-0.02
Avg	0.73	0.76	0.79	0.80	0.83	0.95	0.96	0.73	0.47	0.34	0.27	0.23	0.25	0.23	0.23	0.32	0.44	0.61	0.79	0.76	0.68	0.70	0.65	0.65	0.59	1.49	-0.04
Max	1.63	2.04	2.38	2.78	2.49	3.19	2.95	1.95	1.75	1.63	1.47	1.47	0.77	1.33	1.44	1.15	1.11	1.36	1.89	1.84	1.87	2.45	1.81	1.88	1.29	3.19	0.46
Min	0.01	-0.07	-0.05	0.03	0.02	0.03	0.01	-0.18	-0.23	-0.62	-0.71	-0.21	-0.20	-0.19	-0.22	-0.22	-0.19	-0.05	0.04	0.01	-0.05	-0.05	-0.05	-0.04	0.10	0.52	-0.71

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
January 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	123.7	104.2	150.8	265.5	214.4	298.2	100.5	27.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.4	298.2	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	30.6	123.1	230.5	298.4	350.6	345.2	266.2	143.3	26.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.6	350.6	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	19.3	103.5	144.2	233.5	320.2	346.1	274.0	153.0	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.9	346.1	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.8	147.7	266.3	286.1	291.7	343.4	233.6	135.4	21.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.9	343.4	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5	103.4	268.6	350.1	378.0	352.5	275.1	136.0	24.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.4	378.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.3	143.2	283.0	331.0	198.5	172.4	113.5	48.2	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.8	331.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.1	61.2	85.4	176.4	199.3	257.7	112.2	28.5	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.1	257.7	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	16.0	66.7	117.2	163.6	163.0	162.6	100.4	31.2	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.7	163.6	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	19.6	84.3	184.0	376.3	201.5	97.2	59.6	42.8	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.7	376.3	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	48.2	132.6	112.8	138.4	120.2	51.5	35.3	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.4	138.4	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	49.8	101.8	196.3	218.5	131.4	113.6	81.7	19.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.4	218.5	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.3	74.5	124.3	171.1	172.9	132.9	126.5	63.0	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.4	172.9	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	49.5	88.7	92.4	110.9	204.6	89.4	62.2	21.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.3	204.6	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	12.6	35.5	66.0	107.4	118.4	107.8	125.0	71.9	19.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.7	125.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.7	93.4	172.3	190.0	208.8	220.0	234.1	139.9	34.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	54.8	234.1	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	47.8	199.2	293.0	355.9	368.1	306.0	334.5	224.9	71.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	91.8	368.1	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.8	77.1	174.5	316.4	365.0	356.8	312.7	211.2	80.8	2.3	0.0	0.0	0.0	0.0	0.0	0.0	79.9	365.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	28.2	52.9	67.9	125.5	145.9	74.1	48.6	30.0	10.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	24.5	145.9	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	55.9	178.7	233.8	302.6	314.1	229.8	231.2	110.8	34.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	70.6	314.1	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.6	126.2	285.8	374.0	336.0	397.9	323.1	213.8	60.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	89.1	397.9	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.3	191.9	295.9	401.4	388.6	337.7	300.1	187.5	67.4	3.1	0.0	0.0	0.0	0.0	0.0	0.0	92.8	401.4	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	39.1	158.3	260.5	361.2	395.7	378.7	321.4	137.4	42.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	87.3	395.7	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.7	110.7	156.3	237.5	215.6	184.7	178.3	77.9	31.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	50.7	237.5	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	22.2	73.4	289.6	422.7	280.6	208.0	347.8	227.4	78.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	81.4	422.7	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.8	59.5	168.1	355.8	397.0	231.9	149.0	64.0	28.8	1.5	0.0	0.0	0.0	0.0	0.0	0.0	61.6	397.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	51.4	200.1	329.9	411.6	447.5	468.7	218.9	65.7	59.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	94.1	468.7	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	26.8	85.7	153.0	200.6	216.0	220.4	170.2	95.3	39.8	2.7	0.0	0.0	0.0	0.0	0.0	0.0	50.5	220.4	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	43.2	96.1	260.4	417.9	515.3	526.5	361.6	185.6	76.8	4.2	0.0	0.0	0.0	0.0	0.0	0.0	103.7	526.5	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	17.2	37.8	71.5	133.6	479.5	451.8	371.8	258.6	28.9	4.6	0.0	0.0	0.0	0.0	0.0	0.0	77.3	479.5	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	21.3	58.7	111.3	108.2	100.4	128.4	152.8	121.7	25.6	1.4	0.0	0.0	0.0	0.0	0.0	0.0	34.6	152.8	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	20.5	101.2	149.0	220.8	194.9	119.2	121.4	142.7	42.3	2.2	0.0	0.0	0.0	0.0	0.0	0.0	46.5	220.8	0.0
Avg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	24.9	100.5	182.9	257.5	274.1	252.5	207.0	117.0	34.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0	60.5	304.9	0.0
Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	55.9	200.1	329.9	422.7	515.3	526.5	371.8	258.6	80.8	4.6	0.0	0.0	0.0	0.0	0.0	0.0	103.7	526.5	0.0
Min	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	35.5	66.0	92.4	100.4	74.1	48.6	28.5	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.5	125.0	0.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
February 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	26.8	93.9	175.5	376.5	489.8	470.0	186.3	160.2	53.7	5.2	0.0	0.0	0.0	0.0	0.0	0.0	85.0	489.8	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	60.2	220.0	332.8	441.3	495.4	485.4	398.0	270.1	126.6	9.0	0.0	0.0	0.0	0.0	0.0	0.0	118.4	495.4	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	36.3	59.9	136.6	293.4	512.2	418.1	384.4	269.2	73.4	7.5	0.0	0.0	0.0	0.0	0.0	0.0	91.3	512.2	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	17.2	90.5	121.9	303.0	335.1	217.6	226.5	191.3	46.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	64.7	335.1	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	35.2	95.7	159.5	177.8	162.1	160.7	196.5	236.6	91.1	9.8	0.0	0.0	0.0	0.0	0.0	0.0	55.3	236.6	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	77.2	243.9	270.3	279.5	294.4	270.9	183.4	122.0	147.8	13.9	0.0	0.0	0.0	0.0	0.0	0.0	79.4	294.4	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	34.4	99.5	220.6	240.6	441.3	482.3	365.1	199.2	77.8	7.6	0.0	0.0	0.0	0.0	0.0	0.0	90.4	482.3	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	64.7	219.2	286.6	448.5	425.2	464.1	375.6	200.9	102.8	16.0	0.0	0.0	0.0	0.0	0.0	0.0	108.6	464.1	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	52.3	57.5	208.6	467.7	529.7	506.5	445.2	145.3	46.8	6.6	0.0	0.0	0.0	0.0	0.0	0.0	102.9	529.7	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	46.4	165.6	327.3	547.0	536.3	411.8	508.0	332.9	174.6	20.4	0.0	0.0	0.0	0.0	0.0	0.0	128.0	547.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	40.4	164.1	236.1	462.6	554.5	393.1	411.5	314.5	164.1	15.2	0.0	0.0	0.0	0.0	0.0	0.0	115.3	554.5	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	38.5	73.4	139.5	215.6	229.5	347.6	304.9	141.6	68.8	18.5	0.0	0.0	0.0	0.0	0.0	0.0	65.8	347.6	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	40.2	97.7	241.6	196.4	246.5	680.2	341.0	167.2	64.3	5.9	0.0	0.0	0.0	0.0	0.0	0.0	86.8	680.2	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	31.9	81.6	120.8	173.4	262.4	338.0	307.5	173.7	78.9	15.5	0.0	0.0	0.0	0.0	0.0	0.0	66.3	338.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	131.5	173.6	188.9	267.2	536.6	481.6	443.2	304.4	179.9	44.7	0.2	0.0	0.0	0.0	0.0	0.0	114.9	536.6	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	57.9	217.5	416.6	525.0	524.6	519.3	330.8	310.2	203.1	48.8	0.0	0.0	0.0	0.0	0.0	0.0	131.6	525.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	73.2	194.2	254.7	291.1	365.3	419.0	270.8	130.4	174.6	9.6	0.0	0.0	0.0	0.0	0.0	0.0	91.4	419.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	47.2	134.5	282.1	440.1	640.3	504.7	335.2	358.7	203.9	37.7	0.0	0.0	0.0	0.0	0.0	0.0	124.6	640.3	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	99.7	232.4	275.7	249.2	289.2	350.7	452.4	431.4	179.5	34.7	0.2	0.0	0.0	0.0	0.0	0.0	108.7	452.4	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	114.1	194.1	256.8	344.8	367.9	346.6	304.5	176.7	94.2	23.7	0.0	0.0	0.0	0.0	0.0	0.0	93.1	367.9	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9	114.3	282.3	429.9	564.0	639.3	662.5	518.2	278.1	111.7	23.4	0.0	0.0	0.0	0.0	0.0	0.0	151.5	662.5	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.3	129.4	192.5	331.4	452.8	606.0	616.4	432.8	311.7	202.1	34.0	0.2	0.0	0.0	0.0	0.0	0.0	138.4	616.4	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	160.7	280.1	348.6	301.3	457.4	524.3	580.6	314.3	71.0	16.2	0.1	0.0	0.0	0.0	0.0	0.0	127.7	580.6	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.3	136.8	368.5	442.7	512.9	744.7	471.5	537.5	422.0	235.8	58.5	0.3	0.0	0.0	0.0	0.0	0.0	164.3	744.7	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.3	27.8	140.9	178.3	230.8	256.4	181.0	262.2	218.0	155.0	100.7	33.0	0.5	0.0	0.0	0.0	0.0	0.0	74.4	262.2	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2	100.1	248.2	432.7	658.5	359.2	368.8	329.0	138.3	131.6	23.8	0.5	0.0	0.0	0.0	0.0	0.0	116.9	658.5	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.1	24.0	188.4	392.8	389.3	380.0	414.3	576.5	476.7	416.4	147.8	46.0	0.7	0.0	0.0	0.0	0.0	0.0	143.9	576.5	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	42.6	82.7	149.3	496.4	581.8	619.6	519.4	326.0	171.7	36.0	0.2	0.0	0.0	0.0	0.0	0.0	126.6	619.6	0.0
Avg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	76.4	176.2	264.5	370.1	436.5	441.8	370.8	249.9	125.9	22.3	0.1	0.0	0.0	0.0	0.0	0.0	105.9	498.9	0.0
Max	0.0	0.0	0.0	0.0	0.0	0.0	0.3	27.8	188.4	392.8	442.7	658.5	744.7	680.2	580.6	431.4	235.8	58.5	0.7	0.0	0.0	0.0	0.0	0.0	164.3	744.7	0.0
Min	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	17.2	57.5	120.8	173.4	162.1	160.7	183.4	122.0	46.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	55.3	236.6	0.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
March 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.8	100.2	302.2	352.3	457.6	388.3	480.8	387.1	219.9	107.4	22.2	0.3	0.0	0.0	0.0	0.0	0.0	118.6	480.8	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0	79.5	129.1	138.3	149.4	172.7	228.4	410.9	315.8	122.7	38.0	0.6	0.0	0.0	0.0	0.0	0.0	75.6	410.9	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.9	96.1	131.7	171.7	150.0	186.6	260.6	481.6	251.4	80.5	21.1	0.8	0.0	0.0	0.0	0.0	0.0	77.3	481.6	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.7	134.8	194.0	265.6	411.9	447.8	411.3	312.5	232.3	129.6	61.3	2.7	0.0	0.0	0.0	0.0	0.0	110.0	447.8	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	1.3	66.7	199.2	358.3	513.5	597.7	596.7	449.6	423.9	289.5	143.4	40.6	1.1	0.0	0.0	0.0	0.0	0.0	153.4	597.7	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.4	44.7	126.8	146.1	373.8	359.4	341.8	206.5	219.9	129.5	186.1	58.2	0.8	0.0	0.0	0.0	0.0	0.0	91.4	373.8	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.5	61.8	148.6	336.8	418.0	690.7	710.6	451.8	450.3	226.4	155.8	84.8	4.1	0.0	0.0	0.0	0.0	0.0	155.8	710.6	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	1.5	40.6	130.0	381.5	447.7	471.2	636.0	588.8	562.0	430.6	284.8	116.9	5.1	0.0	0.0	0.0	0.0	0.0	170.7	636.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	1.2	33.3	161.9	299.5	361.4	501.0	554.4	480.7	377.2	466.9	298.6	121.7	5.4	0.0	0.0	0.0	0.0	0.0	152.6	554.4	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	2.1	49.8	228.9	445.5	582.2	654.3	699.8	559.8	461.2	190.7	65.3	21.5	1.9	0.0	0.0	0.0	0.0	0.0	165.1	699.8	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	1.6	49.8	140.6	290.5	475.9	801.0	495.4	487.7	324.3	434.4	162.5	75.1	5.8	0.0	0.0	0.0	0.0	0.0	156.0	801.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	1.9	57.7	111.5	120.3	127.8	135.2	212.4	169.0	118.0	141.5	82.8	28.3	4.4	0.0	0.0	0.0	0.0	0.0	54.6	212.4	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	3.9	58.2	246.7	290.3	302.5	497.0	669.6	535.1	365.8	250.3	72.5	33.6	1.9	0.0	0.0	0.0	0.0	0.0	138.6	669.6	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	4.3	23.1	47.5	139.5	215.7	208.6	276.4	292.0	288.3	197.4	67.1	48.8	4.8	0.0	0.0	0.0	0.0	0.0	75.6	292.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	4.9	52.8	118.0	447.6	502.4	608.7	691.6	562.9	460.6	238.0	176.8	72.3	7.2	0.0	0.0	0.0	0.0	0.0	164.3	691.6	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	3.6	66.8	130.5	268.5	475.7	355.1	414.6	341.7	316.2	267.4	123.5	52.9	5.7	0.0	0.0	0.0	0.0	0.0	117.6	475.7	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	3.6	57.9	105.7	258.2	469.5	541.5	479.9	679.5	523.1	389.7	318.1	193.9	13.9	0.0	0.0	0.0	0.0	0.0	168.1	679.5	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	2.5	26.9	68.0	126.0	332.6	497.2	452.2	443.1	662.6	406.7	186.1	94.4	10.5	0.0	0.0	0.0	0.0	0.0	137.9	662.6	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	7.6	42.0	164.3	552.7	695.8	767.2	766.4	733.5	650.1	512.6	331.3	98.8	17.0	0.0	0.0	0.0	0.0	0.0	222.5	767.2	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	7.7	53.1	106.2	234.1	Au	Au	Au	Au	Au	Au	Au	82.3	15.1	0.0	0.0	0.0	0.0	0.0	29.3	234.1	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	7.7	99.6	202.2	435.2	720.7	764.5	853.0	391.5	326.4	342.6	213.8	97.7	9.6	0.0	0.0	0.0	0.0	0.0	186.0	853.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	8.1	57.4	150.1	323.8	388.1	535.5	635.8	573.9	504.6	581.0	212.3	72.8	16.6	0.0	0.0	0.0	0.0	0.0	169.2	635.8	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	21.7	178.2	365.6	532.4	672.3	788.3	767.6	808.0	711.7	581.9	347.5	187.6	24.1	0.0	0.0	0.0	0.0	0.0	249.5	808.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	20.1	178.6	372.3	545.2	680.5	727.5	791.1	768.0	670.3	540.6	373.6	190.2	25.0	0.0	0.0	0.0	0.0	0.0	245.1	791.1	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	28.1	192.5	374.9	539.8	684.9	768.6	796.3	760.6	672.6	542.8	372.2	187.1	26.0	0.0	0.0	0.0	0.0	0.0	247.8	796.3	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	10.6	80.3	346.2	428.2	691.9	863.0	837.0	784.2	683.6	552.8	385.1	187.7	27.8	0.0	0.0	0.0	0.0	0.0	244.9	863.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	28.2	112.8	296.2	543.9	685.6	775.2	811.0	762.4	607.5	449.5	369.5	109.4	35.2	0.0	0.0	0.0	0.0	0.0	232.8	811.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	36.9	200.5	383.1	511.1	679.2	630.1	331.4	708.4	309.4	432.8	205.0	76.7	12.5	0.0	0.0	0.0	0.0	0.0	188.2	708.4	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	34.8	87.5	110.8	312.5	574.4	640.7	439.8	391.6	334.5	246.6	184.6	102.7	22.5	0.0	0.0	0.0	0.0	0.0	145.1	640.7	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	40.9	195.7	198.6	481.8	532.8	663.8	686.4	712.2	605.8	548.7	385.6	200.8	46.0	0.0	0.0	0.0	0.0	0.0	220.8	712.2	0.0
31	0.0	0.0	0.0	0.0	0.0	0.1	42.5	221.9	382.7	279.8	401.6	605.4	917.0	595.8	436.8	434.4	392.7	205.5	40.3	0.0	0.0	0.0	0.0	0.0	206.5	917.0	0.0
Avg	0.0	0.0	0.0	0.0	0.0	0.0	10.6	80.9	188.0	335.0	464.5	553.9	568.7	520.6	455.3	361.5	217.9	96.3	12.7	0.0	0.0	0.0	0.0	0.0	158.3	626.3	0.0
Max	0.0	0.0	0.0	0.0	0.0	0.1	42.5	221.9	383.1	552.7	720.7	863.0	917.0	808.0	711.7	581.9	392.7	205.5	46.0	0.0	0.0	0.0	0.0	0.0	249.5	917.0	0.0
Min	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.9	47.5	120.3	127.8	135.2	172.7	169.0	118.0	129.5	65.3	21.1	0.3	0.0	0.0	0.0	0.0	0.0	29.3	212.4	0.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
January 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.34	24.35	24.36	24.36	24.35	24.35	24.35	24.36	24.37	24.38	24.38	24.39	24.38	24.39	24.40	24.41	24.43	24.45	24.46	24.48	24.48	24.48	24.48	24.48	24.40	24.48	24.34
2	24.48	24.47	24.47	24.47	24.46	24.48	24.48	24.49	24.50	24.54	24.54	24.53	24.52	24.52	24.52	24.53	24.54	24.55	24.56	24.55	24.53	24.53	24.53	24.52	24.51	24.56	24.46
3	24.51	24.50	24.49	24.49	24.47	24.46	24.46	24.46	24.45	24.47	24.47	24.46	24.44	24.43	24.43	24.43	24.42	24.43	24.44	24.44	24.43	24.42	24.41	24.40	24.45	24.51	24.40
4	24.40	24.39	24.40	24.40	24.41	24.42	24.42	24.42	24.41	24.42	24.41	24.42	24.40	24.38	24.38	24.38	24.38	24.39	24.39	24.39	24.38	24.38	24.39	24.40	24.40	24.42	24.38
5	24.41	24.42	24.43	24.45	24.45	24.46	24.46	24.47	24.48	24.49	24.49	24.48	24.46	24.45	24.44	24.43	24.41	24.41	24.41	24.40	24.39	24.37	24.35	24.35	24.43	24.49	24.35
6	24.32	24.31	24.30	24.29	24.27	24.25	24.24	24.24	24.24	24.24	24.25	24.22	24.20	24.18	24.17	24.18	24.17	24.17	24.18	24.17	24.18	24.20	24.20	24.21	24.22	24.32	24.17
7	24.21	24.20	24.20	24.19	24.19	24.18	24.18	24.17	24.16	24.15	24.16	24.14	24.10	24.06	24.05	24.04	24.03	24.03	24.02	24.02	24.01	24.00	24.00	24.01	24.10	24.21	24.00
8	24.01	24.01	24.04	24.05	24.06	24.07	24.09	24.10	24.13	24.16	24.19	24.21	24.21	24.23	24.24	24.25	24.25	24.24	24.23	24.23	24.23	24.24	24.23	24.23	24.16	24.25	24.01
9	24.24	24.24	24.24	24.24	24.23	24.24	24.24	24.24	24.23	24.23	24.22	24.18	24.14	24.13	24.13	24.11	24.10	24.08	24.07	24.05	24.04	24.03	24.02	23.99	24.15	24.24	23.99
10	23.97	23.96	23.96	23.94	23.92	23.92	23.91	23.90	23.90	23.90	23.90	23.89	23.89	23.89	23.90	23.92	23.93	23.95	23.95	23.96	23.97	23.97	23.98	23.98	23.93	23.98	23.89
11	23.99	23.99	24.00	24.00	23.99	24.01	24.02	24.04	24.06	24.08	24.09	24.10	24.11	24.13	24.16	24.18	24.20	24.22	24.23	24.23	24.23	24.23	24.24	24.23	24.12	24.24	23.99
12	24.23	24.23	24.22	24.21	24.19	24.18	24.18	24.19	24.21	24.23	24.25	24.25	24.24	24.24	24.25	24.26	24.27	24.27	24.27	24.28	24.28	24.27	24.27	24.27	24.24	24.28	24.18
13	24.27	24.28	24.29	24.30	24.28	24.28	24.29	24.30	24.31	24.32	24.31	24.30	24.29	24.28	24.28	24.29	24.28	24.29	24.29	24.29	24.29	24.29	24.29	24.30	24.29	24.32	24.27
14	24.30	24.30	24.30	24.30	24.29	24.27	24.27	24.27	24.27	24.28	24.28	24.26	24.22	24.22	24.24	24.24	24.25	24.25	24.25	24.26	24.27	24.27	24.28	24.30	24.27	24.30	24.22
15	24.31	24.32	24.34	24.35	24.35	24.34	24.35	24.36	24.37	24.38	24.39	24.40	24.41	24.41	24.42	24.43	24.43	24.45	24.46	24.46	24.46	24.46	24.46	24.46	24.40	24.46	24.31
16	24.45	24.46	24.46	24.46	24.46	24.46	24.46	24.47	24.49	24.50	24.49	24.49	24.48	24.48	24.49	24.49	24.50	24.51	24.53	24.55	24.56	24.57	24.58	24.58	24.50	24.58	24.45
17	24.58	24.59	24.59	24.58	24.58	24.56	24.56	24.56	24.57	24.57	24.55	24.53	24.52	24.48	24.47	24.47	24.46	24.45	24.44	24.44	24.43	24.42	24.41	24.38	24.51	24.59	24.38
18	24.36	24.36	24.36	24.36	24.34	24.33	24.33	24.33	24.33	24.34	24.33	24.31	24.30	24.29	24.27	24.27	24.27	24.28	24.29	24.30	24.31	24.32	24.35	24.36	24.32	24.36	24.27
19	24.37	24.39	24.41	24.42	24.41	24.41	24.42	24.42	24.44	24.46	24.48	24.47	24.45	24.44	24.43	24.43	24.41	24.41	24.40	24.40	24.40	24.40	24.41	24.43	24.42	24.48	24.37
20	24.44	24.47	24.48	24.51	24.53	24.54	24.54	24.55	24.55	24.55	24.55	24.54	24.51	24.51	24.49	24.48	24.48	24.49	24.50	24.49	24.48	24.47	24.46	24.45	24.50	24.55	24.44
21	24.43	24.41	24.41	24.41	24.40	24.40	24.39	24.39	24.39	24.38	24.39	24.39	24.37	24.35	24.34	24.33	24.32	24.31	24.30	24.30	24.30	24.32	24.33	24.34	24.36	24.43	24.30
22	24.34	24.34	24.35	24.35	24.35	24.34	24.35	24.35	24.36	24.37	24.37	24.38	24.37	24.36	24.35	24.35	24.34	24.33	24.33	24.33	24.33	24.34	24.34	24.34	24.35	24.38	24.33
23	24.35	24.34	24.35	24.35	24.34	24.35	24.35	24.34	24.34	24.33	24.33	24.33	24.31	24.30	24.28	24.27	24.27	24.25	24.24	24.23	24.22	24.21	24.19	24.19	24.29	24.35	24.19
24	24.19	24.20	24.19	24.19	24.19	24.20	24.20	24.20	24.21	24.25	24.27	24.29	24.30	24.30	24.30	24.30	24.31	24.32	24.33	24.34	24.35	24.36	24.36	24.36	24.27	24.36	24.19
25	24.35	24.35	24.34	24.34	24.33	24.33	24.33	24.33	24.33	24.34	24.34	24.34	24.31	24.29	24.28	24.28	24.27	24.27	24.25	24.25	24.23	24.23	24.22	24.22	24.30	24.35	24.22
26	24.22	24.19	24.19	24.18	24.17	24.17	24.16	24.16	24.15	24.15	24.15	24.14	24.11	24.08	24.06	24.05	24.04	24.03	24.04	24.05	24.04	24.04	24.05	24.06	24.11	24.22	24.03
27	24.07	24.07	24.07	24.07	24.06	24.07	24.07	24.08	24.08	24.08	24.09	24.09	24.08	24.07	24.06	24.06	24.06	24.08	24.08	24.08	24.09	24.09	24.10	24.10	24.08	24.10	24.06
28	24.10	24.10	24.10	24.10	24.09	24.08	24.08	24.08	24.09	24.09	24.08	24.07	24.06	24.03	24.02	24.01	24.02	24.01	24.01	24.00	23.99	23.98	23.97	23.97	24.05	24.10	23.97
29	23.96	23.96	23.96	23.97	23.99	24.02	24.04	24.07	24.11	24.14	24.18	24.20	24.23	24.25	24.26	24.28	24.28	24.27	24.26	24.26	24.25	24.23	24.21	24.19	24.15	24.28	23.96
30	24.16	24.16	24.15	24.13	24.12	24.12	24.12	24.12	24.12	24.12	24.12	24.12	24.12	24.11	24.12	24.13	24.15	24.15	24.17	24.18	24.19	24.20	24.21	24.22	24.15	24.22	24.11
31	24.23	24.24	24.25	24.26	24.27	24.28	24.28	24.29	24.30	24.31	24.32	24.32	24.31	24.29	24.28	24.29	24.29	24.29	24.29	24.29	24.28	24.28	24.28	24.27	24.28	24.32	24.23
Avg	24.28	24.28	24.28	24.28	24.28	24.28	24.28	24.28	24.29	24.30	24.30	24.30	24.29	24.28	24.27	24.28	24.28	24.28	24.28	24.28	24.28	24.28	24.28	24.28	24.28	24.35	24.21
Max	24.58	24.59	24.59	24.58	24.58	24.56	24.56	24.56	24.57	24.57	24.55	24.54	24.52	24.52	24.52	24.53	24.54	24.55	24.56	24.55	24.56	24.57	24.58	24.58	24.51	24.59	24.46
Min	23.96	23.96	23.96	23.94	23.92	23.92	23.91	23.90	23.90	23.90	23.90	23.89	23.89	23.89	23.90	23.92	23.93	23.95	23.95	23.96	23.97	23.97	23.97	23.97	23.93	23.98	23.89

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
February 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.27	24.26	24.26	24.26	24.25	24.25	24.25	24.27	24.29	24.31	24.33	24.34	24.34	24.34	24.33	24.34	24.35	24.37	24.39	24.41	24.42	24.45	24.46	24.48	24.33	24.48	24.25
2	24.49	24.49	24.50	24.50	24.50	24.51	24.52	24.54	24.55	24.55	24.56	24.56	24.54	24.53	24.52	24.51	24.50	24.49	24.49	24.50	24.49	24.49	24.48	24.46	24.51	24.56	24.46
3	24.45	24.43	24.41	24.39	24.35	24.32	24.31	24.32	24.31	24.30	24.30	24.29	24.29	24.27	24.26	24.26	24.25	24.23	24.23	24.23	24.22	24.22	24.21	24.21	24.29	24.45	24.21
4	24.21	24.20	24.20	24.18	24.18	24.18	24.17	24.17	24.17	24.17	24.17	24.19	24.18	24.17	24.16	24.16	24.16	24.17	24.18	24.18	24.20	24.20	24.20	24.21	24.18	24.21	24.16
5	24.21	24.21	24.22	24.20	24.19	24.19	24.19	24.18	24.18	24.17	24.17	24.16	24.14	24.12	24.11	24.10	24.09	24.08	24.06	24.06	24.07	24.07	24.08	24.09	24.14	24.22	24.06
6	24.10	24.10	24.11	24.11	24.13	24.15	24.16	24.17	24.19	24.19	24.20	24.21	24.21	24.21	24.21	24.21	24.23	24.24	24.26	24.29	24.29	24.31	24.31	24.32	24.20	24.32	24.10
7	24.32	24.31	24.30	24.28	24.28	24.27	24.26	24.26	24.26	24.26	24.25	24.24	24.22	24.21	24.19	24.18	24.17	24.17	24.17	24.17	24.17	24.17	24.17	24.18	24.23	24.32	24.17
8	24.18	24.18	24.18	24.19	24.20	24.20	24.20	24.21	24.21	24.21	24.19	24.20	24.18	24.17	24.15	24.15	24.15	24.15	24.15	24.16	24.17	24.17	24.17	24.16	24.18	24.21	24.15
9	24.17	24.17	24.17	24.16	24.15	24.15	24.14	24.14	24.14	24.14	24.12	24.12	24.11	24.09	24.07	24.07	24.07	24.09	24.10	24.11	24.13	24.15	24.16	24.18	24.13	24.18	24.07
10	24.20	24.21	24.21	24.22	24.23	24.24	24.24	24.26	24.27	24.28	24.28	24.28	24.26	24.27	24.28	24.29	24.31	24.31	24.32	24.32	24.32	24.32	24.31	24.30	24.27	24.32	24.20
11	24.29	24.28	24.26	24.24	24.23	24.22	24.22	24.22	24.24	24.24	24.24	24.23	24.24	24.22	24.23	24.23	24.22	24.23	24.24	24.25	24.27	24.27	24.26	24.27	24.24	24.29	24.22
12	24.26	24.26	24.26	24.26	24.26	24.26	24.27	24.27	24.28	24.29	24.29	24.30	24.28	24.28	24.27	24.26	24.26	24.25	24.25	24.25	24.24	24.23	24.23	24.22	24.26	24.30	24.22
13	24.22	24.23	24.21	24.21	24.20	24.19	24.17	24.17	24.18	24.19	24.19	24.21	24.22	24.22	24.22	24.23	24.24	24.25	24.26	24.27	24.28	24.30	24.31	24.33	24.23	24.33	24.17
14	24.37	24.39	24.42	24.44	24.45	24.46	24.47	24.49	24.50	24.50	24.49	24.49	24.48	24.47	24.46	24.45	24.45	24.44	24.45	24.45	24.45	24.46	24.47	24.49	24.46	24.50	24.37
15	24.51	24.51	24.51	24.51	24.52	24.54	24.56	24.56	24.56	24.55	24.54	24.53	24.53	24.51	24.50	24.49	24.49	24.48	24.46	24.47	24.46	24.46	24.45	24.44	24.51	24.56	24.44
16	24.43	24.43	24.43	24.41	24.41	24.40	24.40	24.40	24.39	24.37	24.36	24.35	24.31	24.29	24.25	24.23	24.21	24.18	24.17	24.13	24.10	24.07	24.05	24.03	24.28	24.43	24.03
17	24.04	24.04	24.04	24.02	24.01	24.01	24.02	24.03	24.04	24.06	24.06	24.07	24.08	24.08	24.09	24.11	24.13	24.14	24.17	24.18	24.18	24.19	24.20	24.21	24.09	24.21	24.01
18	24.22	24.24	24.25	24.26	24.27	24.28	24.29	24.29	24.29	24.29	24.28	24.29	24.28	24.26	24.24	24.22	24.20	24.19	24.19	24.19	24.18	24.18	24.18	24.17	24.24	24.29	24.17
19	24.16	24.15	24.13	24.12	24.10	24.09	24.08	24.07	24.06	24.04	24.02	24.01	24.00	24.00	23.99	23.99	23.99	23.98	23.98	24.00	24.02	24.03	24.03	24.04	24.04	24.16	23.98
20	24.04	24.04	24.04	24.04	24.05	24.05	24.06	24.07	24.07	24.07	24.06	24.06	24.06	24.06	24.04	24.04	24.04	24.06	24.06	24.08	24.09	24.10	24.11	24.12	24.06	24.12	24.04
21	24.12	24.13	24.14	24.14	24.15	24.16	24.16	24.17	24.18	24.18	24.16	24.17	24.15	24.13	24.12	24.12	24.11	24.11	24.12	24.12	24.12	24.12	24.12	24.12	24.14	24.18	24.11
22	24.12	24.12	24.13	24.13	24.13	24.15	24.15	24.16	24.15	24.13	24.12	24.10	24.08	24.05	24.04	24.02	23.99	23.98	23.98	23.96	23.95	23.95	23.94	23.93	24.06	24.16	23.93
23	23.91	23.91	23.91	23.90	23.89	23.88	23.90	23.92	23.94	23.97	23.98	24.01	24.01	24.02	24.03	24.04	24.07	24.10	24.13	24.16	24.19	24.21	24.23	24.25	24.02	24.25	23.88
24	24.27	24.29	24.30	24.31	24.33	24.34	24.35	24.35	24.36	24.36	24.35	24.33	24.32	24.29	24.28	24.27	24.26	24.26	24.26	24.27	24.27	24.27	24.27	24.26	24.30	24.36	24.26
25	24.26	24.26	24.26	24.24	24.23	24.22	24.20	24.18	24.17	24.16	24.14	24.11	24.10	24.09	24.09	24.09	24.10	24.10	24.12	24.12	24.12	24.14	24.15	24.17	24.16	24.26	24.09
26	24.18	24.20	24.20	24.21	24.22	24.25	24.27	24.28	24.30	24.30	24.32	24.31	24.32	24.32	24.33	24.34	24.34	24.36	24.37	24.39	24.40	24.40	24.41	24.41	24.31	24.41	24.18
27	24.41	24.42	24.41	24.41	24.41	24.41	24.41	24.42	24.44	24.43	24.43	24.43	24.42	24.41	24.40	24.39	24.38	24.38	24.38	24.40	24.40	24.40	24.41	24.42	24.41	24.44	24.38
28	24.42	24.42	24.42	24.42	24.42	24.42	24.42	24.42	24.42	24.43	24.44	24.44	24.44	24.44	24.45	24.45	24.46	24.47	24.47	24.47	24.49	24.50	24.50	24.49	24.45	24.50	24.42
Avg	24.24	24.25	24.25	24.24	24.24	24.24	24.24	24.25	24.26	24.25	24.25	24.25	24.24	24.23	24.23	24.22	24.22	24.22	24.23	24.24	24.24	24.24	24.25	24.25	24.24	24.32	24.17
Max	24.51	24.51	24.51	24.51	24.52	24.54	24.56	24.56	24.56	24.55	24.56	24.56	24.54	24.53	24.52	24.51	24.50	24.49	24.49	24.50	24.49	24.50	24.50	24.49	24.51	24.56	24.46
Min	23.91	23.91	23.91	23.90	23.89	23.88	23.90	23.92	23.94	23.97	23.98	24.01	24.00	24.00	23.99	23.99	23.99	23.98	23.98	23.96	23.95	23.95	23.94	23.93	24.02	24.12	23.88

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
March 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.48	24.48	24.48	24.48	24.49	24.50	24.51	24.51	24.52	24.51	24.50	24.51	24.51	24.50	24.50	24.50	24.51	24.52	24.52	24.52	24.53	24.53	24.53	24.53	24.51	24.53	24.48
2	24.53	24.53	24.52	24.51	24.51	24.51	24.51	24.50	24.49	24.48	24.47	24.46	24.44	24.41	24.39	24.37	24.35	24.31	24.29	24.28	24.25	24.23	24.21	24.19	24.41	24.53	24.19
3	24.17	24.15	24.13	24.10	24.10	24.09	24.07	24.04	24.03	24.01	23.99	24.01	24.01	23.99	23.99	24.01	24.04	24.06	24.09	24.13	24.16	24.17	24.19	24.21	24.08	24.21	23.99
4	24.22	24.25	24.26	24.28	24.30	24.33	24.35	24.37	24.38	24.40	24.41	24.41	24.42	24.43	24.44	24.45	24.46	24.45	24.45	24.46	24.45	24.44	24.43	24.42	24.39	24.46	24.22
5	24.41	24.40	24.39	24.38	24.38	24.38	24.37	24.38	24.38	24.37	24.35	24.34	24.33	24.38	24.37	24.36	24.35	24.34	24.33	24.33	24.33	24.33	24.32	24.31	24.36	24.41	24.31
6	24.31	24.30	24.29	24.28	24.26	24.26	24.23	24.22	24.19	24.16	24.14	24.13	24.12	24.12	24.11	24.12	24.11	24.11	24.11	24.12	24.12	24.13	24.14	24.14	24.18	24.31	24.11
7	24.15	24.17	24.19	24.20	24.22	24.25	24.27	24.29	24.32	24.33	24.34	24.34	24.34	24.34	24.33	24.34	24.34	24.34	24.35	24.37	24.38	24.38	24.38	24.37	24.31	24.38	24.15
8	24.37	24.37	24.36	24.34	24.33	24.33	24.33	24.33	24.31	24.30	24.29	24.29	24.28	24.26	24.24	24.24	24.24	24.25	24.25	24.27	24.29	24.30	24.31	24.31	24.30	24.37	24.24
9	24.32	24.33	24.34	24.34	24.36	24.37	24.39	24.41	24.43	24.43	24.45	24.45	24.46	24.46	24.47	24.48	24.49	24.50	24.51	24.53	24.54	24.56	24.57	24.57	24.45	24.57	24.32
10	24.56	24.57	24.56	24.56	24.57	24.57	24.57	24.57	24.56	24.56	24.55	24.53	24.51	24.48	24.47	24.46	24.45	24.43	24.42	24.41	24.40	24.40	24.41	24.39	24.50	24.57	24.39
11	24.39	24.39	24.39	24.39	24.38	24.37	24.37	24.38	24.39	24.41	24.41	24.42	24.43	24.43	24.44	24.45	24.46	24.48	24.51	24.52	24.53	24.55	24.55	24.56	24.44	24.56	24.37
12	24.55	24.55	24.55	24.53	24.52	24.52	24.51	24.51	24.50	24.50	24.49	24.47	24.47	24.45	24.43	24.42	24.41	24.41	24.41	24.41	24.42	24.42	24.44	24.45	24.47	24.55	24.41
13	24.46	24.46	24.46	24.46	24.46	24.46	24.46	24.48	24.50	24.50	24.51	24.52	24.52	24.52	24.51	24.52	24.51	24.51	24.52	24.53	24.53	24.54	24.55	24.55	24.50	24.55	24.46
14	24.53	24.54	24.52	24.52	24.52	24.53	24.53	24.53	24.53	24.54	24.54	24.54	24.53	24.51	24.49	24.48	24.46	24.44	24.42	24.41	24.39	24.38	24.37	24.35	24.48	24.54	24.35
15	24.36	24.37	24.36	24.35	24.34	24.35	24.35	24.35	24.36	24.37	24.38	24.39	24.39	24.39	24.39	24.38	24.38	24.38	24.39	24.39	24.39	24.39	24.39	24.39	24.37	24.39	24.34
16	24.38	24.37	24.35	24.33	24.32	24.32	24.31	24.30	24.31	24.31	24.31	24.30	24.29	24.25	24.21	24.19	24.18	24.16	24.14	24.12	24.09	24.07	24.05	24.02	24.24	24.38	24.02
17	24.00	23.98	23.97	23.94	23.93	23.94	23.95	23.97	23.99	24.02	24.03	24.03	24.03	24.06	24.07	24.08	24.10	24.13	24.18	24.20	24.22	24.23	24.23	24.24	24.06	24.24	23.93
18	24.24	24.24	24.24	24.23	24.23	24.22	24.22	24.22	24.21	24.20	24.20	24.19	24.18	24.17	24.17	24.18	24.20	24.21	24.21	24.23	24.24	24.26	24.27	24.29	24.22	24.29	24.17
19	24.31	24.33	24.34	24.36	24.38	24.40	24.43	24.45	24.47	24.48	24.49	24.50	24.51	24.51	24.51	24.52	24.51	24.49	24.47	24.47	24.47	24.46	24.45	24.42	24.45	24.52	24.31
20	24.39	24.36	24.32	24.29	24.27	24.24	24.21	24.20	24.20	24.19	Au	Au	Au	Au	Au	Au	Au	24.02	24.00	24.00	23.99	24.02	24.05	24.05	24.16	24.39	23.99
21	24.04	24.05	24.05	24.06	24.05	24.07	24.09	24.09	24.10	24.11	24.12	24.12	24.13	24.14	24.14	24.16	24.17	24.19	24.20	24.21	24.22	24.22	24.22	24.22	24.13	24.22	24.04
22	24.22	24.22	24.22	24.21	24.22	24.22	24.23	24.23	24.22	24.22	24.24	24.26	24.27	24.28	24.29	24.30	24.32	24.34	24.37	24.39	24.41	24.42	24.44	24.44	24.29	24.44	24.21
23	24.45	24.46	24.46	24.46	24.46	24.46	24.48	24.50	24.49	24.49	24.48	24.46	24.45	24.45	24.45	24.45	24.45	24.45	24.46	24.48	24.50	24.50	24.51	24.51	24.47	24.51	24.45
24	24.51	24.51	24.51	24.50	24.50	24.50	24.51	24.53	24.52	24.52	24.50	24.50	24.49	24.49	24.48	24.48	24.48	24.48	24.48	24.49	24.49	24.50	24.50	24.50	24.50	24.53	24.48
25	24.50	24.50	24.49	24.48	24.47	24.47	24.47	24.47	24.45	24.45	24.44	24.42	24.41	24.40	24.39	24.39	24.37	24.36	24.35	24.34	24.35	24.35	24.35	24.35	24.42	24.50	24.34
26	24.35	24.34	24.33	24.33	24.33	24.34	24.34	24.34	24.35	24.35	24.35	24.35	24.34	24.33	24.33	24.32	24.32	24.33	24.32	24.32	24.33	24.34	24.35	24.35	24.34	24.35	24.32
27	24.36	24.36	24.35	24.35	24.36	24.37	24.37	24.37	24.37	24.38	24.39	24.38	24.38	24.37	24.37	24.36	24.36	24.37	24.37	24.37	24.39	24.39	24.40	24.40	24.37	24.40	24.35
28	24.41	24.41	24.41	24.41	24.41	24.42	24.43	24.45	24.46	24.46	24.46	24.45	24.45	24.44	24.42	24.42	24.41	24.41	24.43	24.43	24.44	24.44	24.45	24.45	24.43	24.46	24.41
29	24.45	24.45	24.44	24.44	24.45	24.45	24.46	24.47	24.48	24.49	24.49	24.48	24.49	24.48	24.48	24.48	24.48	24.48	24.48	24.48	24.50	24.52	24.51	24.51	24.48	24.52	24.44
30	24.52	24.52	24.51	24.52	24.53	24.54	24.54	24.55	24.56	24.57	24.57	24.58	24.58	24.57	24.56	24.54	24.53	24.51	24.50	24.49	24.48	24.48	24.46	24.45	24.53	24.58	24.45
31	24.44	24.43	24.43	24.43	24.43	24.44	24.45	24.47	24.48	24.48	24.49	24.51	24.51	24.50	24.50	24.49	24.48	24.47	24.47	24.47	24.47	24.47	24.46	24.46	24.47	24.51	24.43
Avg	24.37	24.37	24.36	24.36	24.36	24.36	24.36	24.37	24.37	24.37	24.38	24.38	24.38	24.37	24.36	24.36	24.36	24.35	24.35	24.36	24.36	24.37	24.37	24.37	24.37	24.44	24.28
Max	24.56	24.57	24.56	24.56	24.57	24.57	24.57	24.57	24.56	24.57	24.57	24.58	24.58	24.57	24.56	24.54	24.53	24.52	24.52	24.53	24.54	24.56	24.57	24.57	24.53	24.58	24.48
Min	24.00	23.98	23.97	23.94	23.93	23.94	23.95	23.97	23.99	24.01	23.99	24.01	24.01	23.99	23.99	24.01	24.04	24.02	24.00	24.00	23.99	24.02	24.05	24.02	24.06	24.21	23.93

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
January 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	79.1	79.8	78.4	79.7	80.3	81.0	78.0	81.5	81.8	78.1	76.3	74.4	85.2	80.6	74.3	68.9	68.3	75.4	80.2	85.5	83.3	80.7	79.4	77.5	78.7	85.5	68.3
2	76.9	75.3	75.3	74.6	73.5	74.2	72.6	72.9	72.5	74.3	76.8	77.9	76.5	61.0	52.9	52.4	62.4	76.7	78.7	80.0	78.8	80.9	79.6	78.2	73.1	80.9	52.4
3	77.8	78.5	77.8	77.6	77.6	77.5	78.6	79.6	79.1	81.1	83.2	83.2	80.8	63.8	45.2	48.9	64.5	70.7	77.2	80.6	82.6	83.7	83.6	83.8	75.7	83.8	45.2
4	83.0	83.0	82.6	82.4	82.6	83.3	82.0	80.9	80.9	73.0	63.8	49.3	45.1	49.9	55.3	57.9	59.3	61.7	63.0	64.2	67.2	69.2	69.5	72.3	69.2	83.3	45.1
5	79.3	84.6	85.3	85.0	82.9	81.6	80.5	80.2	80.0	80.7	81.3	77.9	66.4	50.8	48.7	54.4	63.2	71.4	76.8	82.6	83.7	82.5	83.0	82.3	76.0	85.3	48.7
6	77.0	77.5	80.0	80.0	81.8	80.9	81.6	79.4	79.9	75.9	63.2	58.7	52.5	52.4	53.4	55.7	63.5	68.7	67.7	70.3	67.2	66.7	65.2	68.3	69.5	81.8	52.4
7	71.4	71.5	68.4	71.7	73.1	71.8	75.4	74.1	73.2	71.4	70.8	61.2	54.5	53.2	57.5	66.6	68.1	75.0	68.7	67.8	67.6	67.8	64.0	63.0	67.8	75.4	53.2
8	67.0	70.1	66.3	59.9	58.1	58.1	57.3	58.2	56.5	55.7	55.7	55.5	53.6	52.7	55.2	56.5	56.8	58.8	63.0	69.3	71.8	70.7	70.1	68.1	61.0	71.8	52.7
9	68.6	64.8	61.4	60.5	61.7	59.4	59.3	61.0	61.2	59.2	57.7	51.8	47.6	51.3	55.3	55.8	57.2	64.1	57.8	56.6	60.8	57.7	61.5	69.8	59.3	69.8	47.6
10	71.7	73.3	73.0	73.3	70.1	89.2	95.6	94.5	93.2	87.6	80.9	74.5	78.7	76.2	72.3	75.9	73.8	74.3	74.6	75.5	66.8	65.2	68.3	70.5	77.0	95.6	65.2
11	68.2	66.4	66.2	65.1	65.3	64.7	63.7	63.2	64.3	66.0	64.0	65.2	63.7	61.3	62.4	61.9	64.5	64.7	72.4	74.9	74.2	72.8	74.5	76.5	66.9	76.5	61.3
12	76.3	75.9	75.3	74.9	73.7	72.3	71.4	70.6	70.3	70.7	71.8	73.6	75.0	72.2	73.8	75.1	77.1	79.2	78.5	78.5	78.6	79.1	80.6	80.9	75.2	80.9	70.3
13	81.9	80.4	79.8	79.6	80.2	80.3	80.0	79.7	79.8	79.1	71.8	72.9	74.3	72.6	75.3	74.1	73.3	75.0	74.5	77.0	78.5	79.5	79.9	79.0	77.4	81.9	71.8
14	79.3	79.3	78.0	77.0	75.4	74.1	73.5	73.1	73.8	75.2	76.9	77.8	72.7	69.0	72.2	73.6	75.7	78.0	80.2	82.4	83.6	83.9	84.8	85.3	77.3	85.3	69.0
15	85.9	86.4	86.6	87.0	87.0	87.3	87.6	86.6	84.7	82.8	81.8	79.8	78.8	77.1	75.4	76.6	78.1	79.4	80.4	79.0	79.1	79.1	78.2	76.8	81.7	87.6	75.4
16	77.2	76.6	82.1	85.4	84.9	83.3	81.7	80.5	81.5	81.5	80.7	72.7	64.5	50.8	46.5	55.3	57.0	63.6	80.0	84.3	85.6	87.2	86.2	84.2	75.6	87.2	46.5
17	82.9	81.7	81.8	81.3	81.1	80.5	80.4	80.2	80.7	81.7	85.5	81.5	46.6	44.0	44.2	45.3	47.9	53.7	58.1	59.3	64.1	62.3	64.3	56.2	67.7	85.5	44.0
18	42.9	41.7	40.3	40.5	42.3	40.7	38.0	36.9	36.5	38.3	35.9	36.5	34.5	37.2	37.2	36.9	37.2	39.5	39.3	40.9	45.0	52.4	62.1	65.7	41.6	65.7	34.5
19	63.8	68.3	69.7	72.8	69.0	65.4	64.8	60.6	60.6	46.7	38.2	37.2	37.3	36.8	36.1	36.9	37.0	37.3	37.5	39.6	42.8	56.0	61.1	67.1	51.8	72.8	36.1
20	71.4	62.2	64.7	78.4	80.1	81.8	85.1	86.8	88.0	85.0	69.9	65.8	65.9	57.9	59.8	57.1	61.7	74.3	78.5	79.4	79.1	80.8	80.1	80.7	73.9	88.0	57.1
21	79.7	80.2	78.1	77.5	79.0	81.7	81.3	82.7	81.3	70.7	49.7	36.7	36.1	36.0	35.0	33.7	33.5	35.0	38.8	53.0	59.0	64.5	69.0	71.4	60.2	82.7	33.5
22	73.8	77.0	77.4	79.9	81.2	81.5	81.1	80.7	80.2	73.8	65.8	57.6	33.8	32.3	26.8	27.3	30.9	40.5	49.1	52.7	58.6	61.4	63.5	67.6	60.6	81.5	26.8
23	67.3	69.4	71.0	71.7	72.4	74.4	72.7	73.8	74.4	71.9	62.6	58.7	55.1	49.8	46.3	51.3	45.0	53.3	55.7	53.5	40.9	48.6	57.5	56.9	60.6	74.4	40.9
24	40.5	36.0	43.0	47.2	49.2	50.4	55.0	60.2	65.6	66.9	59.1	54.9	52.4	50.3	51.3	51.8	51.7	54.5	56.2	58.0	68.0	73.2	77.6	78.4	56.3	78.4	36.0
25	79.2	78.6	79.6	80.4	79.7	79.7	78.2	78.5	79.8	77.4	70.7	60.4	56.9	58.5	60.3	63.6	69.1	71.4	71.0	70.8	71.9	72.2	71.6	77.1	72.4	80.4	56.9
26	82.2	85.2	86.5	82.8	86.3	89.4	90.7	93.7	91.2	84.2	72.2	61.7	54.2	52.5	53.8	57.8	58.2	65.1	80.0	90.7	95.0	93.9	90.0	92.6	78.7	95.0	52.5
27	93.0	94.2	94.1	94.0	92.6	91.2	90.0	90.4	90.0	86.0	74.7	72.0	68.2	63.2	67.3	70.1	75.1	80.7	84.7	86.6	87.3	85.7	84.7	83.3	83.3	94.2	63.2
28	82.6	81.4	81.6	81.0	80.2	78.9	77.7	76.4	76.5	80.0	82.6	84.3	72.5	61.5	59.9	61.6	63.1	63.7	69.6	73.7	76.1	77.3	76.7	78.1	74.9	84.3	59.9
29	87.2	87.6	88.0	87.5	86.3	84.8	85.1	83.9	80.8	74.2	61.8	58.8	72.6	69.5	68.4	67.5	71.5	74.5	74.3	74.9	74.6	74.4	73.7	75.0	76.5	88.0	58.8
30	75.8	77.4	80.7	82.0	83.0	83.6	85.1	85.3	84.7	84.7	85.4	87.4	83.8	74.4	79.6	83.6	86.3	88.8	89.8	90.1	87.7	87.3	86.8	87.2	84.2	90.1	74.4
31	87.9	87.8	86.4	86.4	85.3	83.9	84.9	86.3	85.7	83.9	78.5	70.1	71.4	72.4	71.4	66.3	66.6	74.0	75.9	74.8	78.0	78.8	80.3	79.4	79.0	87.9	66.3
Avg	75.2	75.2	75.5	76.0	76.0	76.4	76.4	76.5	76.4	74.1	69.3	65.5	61.7	57.8	57.2	58.7	61.2	65.9	68.8	71.2	72.2	73.4	74.4	75.3	70.4	82.6	53.7
Max	93.0	94.2	94.1	94.0	92.6	91.2	95.6	94.5	93.2	87.6	85.5	87.4	85.2	80.6	79.6	83.6	86.3	88.8	89.8	90.7	95.0	93.9	90.0	92.6	84.2	95.6	75.4
Min	40.5	36.0	40.3	40.5	42.3	40.7	38.0	36.9	36.5	38.3	35.9	36.5	33.8	32.3	26.8	27.3	30.9	35.0	37.5	39.6	40.9	48.6	57.5	56.2	41.6	65.7	26.8

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
February 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	80.2	86.1	86.7	75.7	88.3	92.6	93.0	93.3	89.2	83.5	78.7	73.1	64.8	62.3	59.5	59.3	60.3	61.4	64.8	65.8	66.2	67.1	74.0	81.1	75.3	93.3	59.3
2	85.8	85.3	84.2	82.5	81.8	82.1	83.1	85.1	84.6	83.7	81.5	68.7	59.8	61.4	60.7	59.7	60.8	65.8	76.2	86.7	87.7	86.0	84.6	83.2	77.5	87.7	59.7
3	82.0	81.9	81.6	82.3	82.9	83.8	84.9	85.0	86.8	86.7	86.1	80.7	51.7	51.3	49.8	50.6	52.0	54.3	59.2	60.6	71.7	73.6	67.8	61.1	71.2	86.8	49.8
4	63.5	62.5	60.9	62.7	69.1	70.0	63.8	61.8	63.9	66.5	67.8	66.1	66.0	68.7	70.8	67.4	67.5	64.4	63.7	62.8	62.9	65.5	63.6	64.0	65.2	70.8	60.9
5	65.0	66.2	69.5	73.9	77.3	80.2	82.2	82.9	82.5	79.8	77.4	70.3	69.2	66.1	75.2	70.0	70.7	76.2	81.5	85.8	89.2	89.7	89.6	88.6	77.5	89.7	65.0
6	88.1	89.8	85.1	56.7	55.4	61.8	65.3	74.5	73.9	68.4	62.4	65.6	64.3	60.4	57.2	57.5	71.8	68.2	72.6	78.3	82.5	86.8	85.4	83.8	71.5	89.8	55.4
7	82.7	81.6	80.6	80.1	80.5	80.6	81.9	83.4	84.0	84.8	86.2	82.6	53.8	47.8	44.9	50.3	54.1	59.8	59.0	59.1	66.0	66.9	68.3	71.5	70.4	86.2	44.9
8	74.4	74.9	74.7	81.4	79.4	83.4	83.4	82.6	82.6	82.8	74.6	64.0	60.3	52.6	56.9	57.5	55.9	59.0	68.4	74.7	78.9	79.6	79.8	85.4	72.8	85.4	52.6
9	86.1	85.0	83.8	82.7	81.3	80.7	79.1	79.0	78.9	82.0	77.6	66.6	55.2	57.9	55.2	56.0	67.3	84.2	89.0	88.8	88.1	89.5	88.4	83.4	77.7	89.5	55.2
10	75.8	82.7	84.8	71.7	70.1	75.1	75.6	70.4	75.4	70.8	66.0	61.0	61.0	59.9	60.6	61.1	68.4	74.4	81.3	81.2	79.5	77.7	77.4	77.2	72.5	84.8	59.9
11	74.7	75.9	75.1	74.1	73.5	73.8	74.3	74.6	76.2	77.2	78.3	80.4	65.0	67.9	64.8	64.5	67.8	71.6	75.4	81.3	84.5	83.8	83.5	85.4	75.1	85.4	64.5
12	85.0	85.0	85.4	79.6	77.3	77.1	84.0	83.4	82.4	80.2	79.7	77.2	74.1	71.6	69.2	71.9	70.4	71.5	74.5	75.9	76.1	74.5	74.6	73.8	77.3	85.4	69.2
13	71.7	72.0	72.1	71.1	72.0	72.1	73.7	72.6	70.7	66.5	64.2	62.6	66.5	65.2	58.7	57.7	58.0	60.9	57.9	61.2	62.2	76.3	79.2	70.1	67.3	79.2	57.7
14	64.8	64.1	68.9	66.8	76.8	83.1	84.5	82.8	84.9	81.6	72.6	71.3	63.3	64.3	66.5	74.6	81.0	86.1	89.0	89.7	90.1	88.1	87.7	89.1	78.0	90.1	63.3
15	86.9	86.9	84.3	85.2	86.3	86.0	84.7	83.0	81.9	77.9	73.9	64.3	63.1	64.4	64.7	63.6	61.6	65.5	71.5	80.7	83.7	85.8	87.3	87.9	77.5	87.9	61.6
16	87.4	88.0	88.0	87.1	86.1	85.1	83.8	83.4	85.0	85.2	81.3	65.4	52.4	49.5	50.4	50.0	47.8	49.8	56.7	69.1	75.8	73.1	77.9	76.8	72.3	88.0	47.8
17	69.3	81.0	76.3	72.7	75.4	71.5	65.4	76.7	86.7	83.8	84.0	84.1	85.7	82.6	79.0	78.7	73.4	74.0	80.9	87.6	89.2	89.3	89.3	89.3	80.2	89.3	65.4
18	88.7	86.3	78.1	80.2	83.6	84.6	83.5	83.5	82.2	77.3	69.0	60.1	57.9	54.7	55.5	57.7	62.3	62.4	73.4	74.5	76.2	81.4	82.3	80.2	74.0	88.7	54.7
19	81.7	81.3	81.9	81.4	82.0	81.2	79.1	81.3	77.9	68.7	64.2	58.0	57.2	57.1	55.7	54.5	50.6	60.0	66.5	70.9	77.2	82.2	84.9	84.2	71.7	84.9	50.6
20	82.8	81.9	81.3	80.7	80.3	79.6	79.1	81.3	82.8	83.7	81.7	69.2	65.1	75.3	80.4	85.0	89.1	87.7	88.8	89.8	89.9	89.7	88.5	87.0	82.5	89.9	65.1
21	87.1	86.8	87.0	85.9	84.5	83.2	81.8	80.3	80.0	83.6	80.6	67.6	58.1	55.3	53.7	51.7	54.1	55.8	61.6	63.8	67.1	71.4	75.5	80.0	72.4	87.1	51.7
22	83.5	85.6	86.5	88.5	87.6	87.1	85.2	84.3	82.9	81.9	65.8	56.4	56.4	53.3	54.1	53.7	51.5	55.0	59.0	62.9	56.8	58.9	59.9	57.4	68.9	88.5	51.5
23	63.1	64.0	65.7	68.6	70.9	69.6	79.9	73.8	68.4	62.5	57.8	59.6	53.8	50.9	50.1	50.8	54.1	58.9	70.8	83.2	88.6	88.4	86.9	83.3	67.7	88.6	50.1
24	88.7	85.7	82.6	80.4	78.9	78.0	77.0	75.9	77.7	79.3	77.9	61.3	57.6	56.9	54.6	52.8	51.0	53.1	56.7	57.5	59.1	60.4	62.1	63.0	67.8	88.7	51.0
25	63.7	71.8	78.8	82.3	83.4	82.5	81.4	81.5	80.9	82.4	79.0	64.1	61.3	59.3	62.6	65.0	65.3	68.3	73.0	69.9	65.7	64.9	64.4	75.2	71.9	83.4	59.3
26	76.3	79.3	80.2	81.3	84.7	82.6	81.7	82.4	79.3	72.0	65.0	63.6	60.0	55.6	57.9	71.7	66.4	75.3	86.1	87.7	87.0	80.9	84.1	84.9	76.1	87.7	55.6
27	83.4	81.9	80.5	80.1	78.4	78.0	77.1	77.0	77.9	79.4	79.2	64.4	50.3	47.5	47.3	46.5	47.2	51.6	52.8	52.8	53.8	53.8	63.3	70.2	65.6	83.4	46.5
28	76.8	79.4	81.4	79.7	80.6	84.5	86.7	87.3	88.7	86.9	68.3	64.0	61.0	59.0	55.3	54.7	55.1	57.6	60.6	67.1	74.3	80.1	83.7	85.2	73.2	88.7	54.7
Avg	78.5	79.7	79.5	77.7	78.9	79.6	79.8	80.1	80.3	78.5	74.3	67.6	61.2	60.0	59.7	60.5	62.0	65.5	70.4	73.9	76.1	77.3	78.4	78.7	73.3	86.7	56.5
Max	88.7	89.8	88.0	88.5	88.3	92.6	93.0	93.3	89.2	86.9	86.2	84.1	85.7	82.6	80.4	85.0	89.1	87.7	89.0	89.8	90.1	89.7	89.6	89.3	82.5	93.3	69.2
Min	63.1	62.5	60.9	56.7	55.4	61.8	63.8	61.8	63.9	62.5	57.8	56.4	50.3	47.5	44.9	46.5	47.2	49.8	52.8	52.8	53.8	53.8	59.9	57.4	65.2	70.8	44.9

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
March 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	84.7	83.5	83.4	80.6	83.1	93.0	82.1	81.6	80.2	77.4	72.5	65.2	63.3	62.2	61.4	62.1	62.1	62.9	62.6	64.5	64.4	66.3	67.8	70.0	72.4	93.0	61.4
2	70.6	70.5	75.9	80.8	73.4	70.8	74.3	75.2	75.2	73.1	71.4	69.8	63.6	60.3	47.7	47.1	48.8	53.3	64.6	67.9	73.5	75.2	79.6	85.2	68.7	85.2	47.1
3	86.8	84.0	84.6	82.6	84.7	82.2	80.3	80.8	77.7	71.5	74.6	83.8	62.1	43.3	42.4	46.5	50.3	63.0	77.0	80.3	83.9	83.5	81.7	81.2	73.7	86.8	42.4
4	77.5	75.4	75.2	74.7	76.8	78.1	76.8	79.6	78.7	74.9	68.6	68.7	63.1	66.1	65.5	67.8	64.4	63.7	70.5	77.3	78.5	79.5	78.2	77.2	73.2	79.6	63.1
5	77.3	76.7	76.2	76.0	75.5	76.0	76.3	76.8	78.0	80.5	69.8	52.1	49.9	39.5	37.5	38.4	39.3	34.8	44.0	45.7	45.4	43.4	47.3	50.5	58.6	80.5	34.8
6	54.7	58.1	62.6	62.4	64.7	64.8	65.6	65.6	63.8	59.7	49.5	40.9	41.5	50.2	73.4	70.9	67.9	67.2	72.0	74.3	75.9	77.8	78.1	77.3	64.1	78.1	40.9
7	77.8	78.8	78.4	77.1	77.6	76.4	75.7	74.1	62.0	55.2	51.0	43.7	40.5	39.0	37.8	37.1	37.5	41.0	51.6	60.7	64.8	65.8	66.7	69.2	60.0	78.8	37.1
8	69.7	71.7	71.2	71.4	70.3	71.2	69.9	69.1	67.2	55.8	55.0	43.4	43.8	43.7	39.8	34.6	37.6	40.2	45.2	55.1	61.1	64.5	69.3	69.4	57.9	71.7	34.6
9	69.6	69.1	67.6	67.5	66.7	66.7	66.6	68.1	70.0	68.9	55.7	46.7	43.0	42.2	42.3	42.9	43.2	42.8	46.0	54.2	60.3	64.7	68.0	69.6	58.4	70.0	42.2
10	68.9	69.8	69.8	69.6	69.5	69.3	68.8	68.9	69.3	59.2	46.5	44.9	41.7	39.1	37.2	38.8	37.6	39.4	40.7	40.0	44.8	50.4	54.5	55.6	53.9	69.8	37.2
11	58.6	60.7	63.1	60.9	54.5	55.6	54.9	52.6	57.3	60.3	56.4	52.3	55.0	52.7	49.3	48.3	50.6	51.2	52.6	56.7	59.4	63.7	62.2	63.4	56.3	63.7	48.3
12	64.8	67.9	68.7	68.9	68.0	67.5	67.3	67.1	67.5	65.5	65.2	60.3	63.2	69.1	69.1	67.6	66.7	69.9	71.0	72.1	73.0	71.0	54.5	52.1	66.6	73.0	52.1
13	53.1	56.1	56.8	60.0	61.8	61.2	57.7	55.7	50.6	43.6	43.6	41.7	37.4	33.3	34.1	35.2	37.4	39.6	43.5	42.7	42.6	46.2	51.4	57.5	47.6	61.8	33.3
14	60.7	65.1	66.4	68.5	69.9	71.0	70.7	71.2	69.8	66.7	60.5	57.4	53.0	47.5	45.1	40.3	44.8	49.7	56.1	58.3	60.3	64.7	63.9	68.0	60.4	71.2	40.3
15	68.1	46.8	45.3	45.1	43.8	46.8	49.3	51.3	48.0	47.4	44.2	38.8	37.3	37.3	35.1	37.9	40.0	41.1	47.8	50.9	57.3	61.7	64.0	66.6	48.0	68.1	35.1
16	69.4	69.6	71.9	72.3	73.1	72.4	71.2	70.7	62.5	60.5	57.0	55.5	58.3	45.8	43.2	42.2	39.9	42.0	46.8	53.5	58.7	59.3	58.6	58.1	58.9	73.1	39.9
17	61.2	71.3	76.5	74.4	74.3	72.4	56.2	46.4	47.0	45.2	42.6	40.2	45.6	53.1	59.5	60.6	62.1	57.0	61.2	64.5	66.4	67.9	70.0	70.0	60.2	76.5	40.2
18	70.2	70.3	70.8	70.9	70.9	70.8	69.4	69.3	67.5	66.3	55.7	51.9	47.2	43.8	41.7	40.8	41.4	49.8	46.8	48.7	55.9	63.0	64.3	64.5	58.8	70.9	40.8
19	65.6	67.6	63.3	63.9	64.4	65.5	67.7	69.4	62.7	50.7	35.9	33.0	32.1	28.8	27.8	26.5	28.1	30.8	41.9	44.0	47.6	46.8	45.4	44.7	48.1	69.4	26.5
20	47.9	45.7	38.9	38.0	40.0	43.1	41.2	42.6	39.8	47.4	Au	Au	Au	Au	Au	Au	Au	45.0	48.1	49.1	52.3	69.0	65.2	60.3	47.9	69.0	38.0
21	66.1	54.7	53.7	54.0	49.5	48.2	49.1	51.2	49.6	46.8	42.5	37.7	37.8	39.7	38.6	38.4	37.8	41.0	47.1	46.9	51.4	54.2	54.5	51.0	47.6	66.1	37.7
22	52.9	57.6	61.8	67.4	68.2	70.1	71.3	69.5	66.2	66.1	57.7	52.2	50.1	49.4	47.5	45.5	47.7	51.4	53.7	55.9	55.9	54.7	53.3	58.8	57.7	71.3	45.5
23	62.0	62.2	62.2	63.6	62.4	63.3	61.6	55.2	43.8	43.1	41.0	42.5	35.8	30.5	28.7	29.3	33.1	33.0	38.3	48.3	52.6	53.5	55.5	59.1	48.4	63.6	28.7
24	60.8	61.5	61.0	63.6	63.4	64.2	63.1	59.1	53.4	43.6	44.2	39.5	34.1	33.6	33.1	31.5	30.4	31.6	36.4	44.4	46.3	46.1	49.0	55.3	47.9	64.2	30.4
25	55.5	58.8	62.7	62.1	65.2	63.6	64.1	57.7	46.8	41.6	32.6	30.6	28.4	26.2	25.7	24.6	25.8	27.1	31.6	40.8	45.8	47.2	53.5	53.5	44.6	65.2	24.6
26	54.9	59.1	59.7	58.5	59.1	60.7	68.3	68.3	54.3	45.0	47.5	40.6	38.0	35.9	32.9	32.2	31.5	32.3	40.7	49.5	51.8	61.1	63.5	63.5	50.4	68.3	31.5
27	66.6	66.4	64.3	64.9	66.4	66.3	67.0	63.9	54.3	38.3	35.8	35.7	36.0	34.7	34.9	35.7	35.9	34.4	44.6	53.5	55.8	58.8	62.8	65.3	51.8	67.0	34.4
28	63.8	66.6	65.9	65.4	67.1	71.4	71.7	64.2	51.1	43.9	42.9	41.5	41.6	34.3	36.3	30.8	34.9	39.4	47.1	54.5	60.4	61.2	65.1	67.6	53.7	71.7	30.8
29	69.6	71.3	72.0	73.5	75.0	75.3	76.1	72.8	70.1	63.4	55.9	45.3	41.8	44.0	42.8	39.9	41.1	41.8	49.9	58.5	63.5	62.1	66.2	68.8	60.0	76.1	39.9
30	72.2	73.6	74.9	75.5	75.9	76.6	74.6	63.8	68.3	56.7	47.4	43.3	40.2	37.9	35.6	34.0	33.0	35.2	38.9	48.5	57.7	60.8	66.6	70.4	56.7	76.6	33.0
31	71.0	72.5	72.5	72.7	73.8	73.7	72.1	62.3	53.6	47.6	40.1	39.3	38.3	38.1	36.4	38.2	36.0	38.9	43.6	47.3	52.8	61.1	61.8	65.1	54.5	73.8	36.0
Avg	66.2	66.5	67.0	67.3	67.4	68.0	67.1	65.3	61.5	57.0	52.1	47.9	45.5	43.4	42.7	42.2	42.9	44.9	50.4	55.1	58.7	61.5	62.7	64.2	57.1	72.7	39.0
Max	86.8	84.0	84.6	82.6	84.7	93.0	82.1	81.6	80.2	80.5	74.6	83.8	63.6	69.1	73.4	70.9	67.9	69.9	77.0	80.3	83.9	83.5	81.7	85.2	73.7	93.0	63.1
Min	47.9	45.7	38.9	38.0	40.0	43.1	41.2	42.6	39.8	38.3	32.6	30.6	28.4	26.2	25.7	24.6	25.8	27.1	31.6	40.0	42.6	43.4	45.4	44.7	44.6	61.8	24.6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
January 2013

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.010	0.050	0.040	0.030	0.010	0.000	0.010	0.000	0.010	0.000	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.190	0.050
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.010	0.020	0.030	0.090	0.030
15	0.040	0.010	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.040
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.010	0.020	0.010
27	0.040	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.040
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.060	0.030	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.120	0.060
30	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.010	0.000	0.010	0.000	0.010	0.000	0.020	0.010	0.020	0.000	0.000	0.000	0.000	0.000	0.100	0.020
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.140	0.060	0.050	0.010	0.000	0.010	0.060	0.040	0.030	0.020	0.010	0.010	0.010	0.010	0.010	0.010	0.030	0.020	0.020	0.020	0.020	0.010	0.020	0.040	0.660	0.000
Max	0.060	0.030	0.020	0.010	0.000	0.010	0.050	0.040	0.030	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.020	0.010	0.020	0.010	0.020	0.010	0.020	0.030	0.190	0.060

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
February 2013

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.010	0.010	0.010	0.000	0.030	0.020	0.020	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.130	0.030
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.010
10	0.010	0.010	0.010	0.000	0.010	0.010	0.020	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.090	0.020
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.020
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.010	0.000	0.000	0.000	0.040	0.010
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.010
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.160	0.260	0.280	0.100	0.040	0.010	0.010	0.000	0.010	0.000	0.000	0.000	0.920	0.280
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.020	0.020	0.020	0.000	0.040	0.030	0.040	0.040	0.010	0.000	0.000	0.080	0.190	0.270	0.290	0.130	0.060	0.040	0.010	0.010	0.020	0.010	0.000	0.000	1.330	0.000
Max	0.010	0.010	0.010	0.000	0.030	0.020	0.020	0.030	0.010	0.000	0.000	0.050	0.160	0.260	0.280	0.100	0.040	0.010	0.010	0.010	0.010	0.010	0.000	0.000	0.920	0.280

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
March 2013

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.180	0.090	0.040	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.400	0.180
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.020	0.000	0.000	0.000	0.000	0.060	0.020
3	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.040	0.540	0.530	0.400	0.580	0.630	0.600	0.250	0.150	0.150	0.100	0.010	0.010	0.000	4.000	0.630
4	0.010	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.010
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.010	0.030	0.010
7	0.010	0.000	0.010	0.010	0.010	0.000	0.010	0.000	0.010	0.010	0.010	0.000	0.010	0.010	0.010	0.000	0.010	0.010	0.010	0.000	0.010	0.000	0.010	0.000	0.160	0.010
8	0.000	0.010	0.010	0.000	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.020	0.010	0.000	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.090	0.020
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.050	0.020	0.010	0.010	0.010	0.010	0.010	0.010	0.000	0.010	0.000	0.000	0.150	0.050
10	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.000	0.010	0.050	0.010
11	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.190	0.060	0.040	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.190
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.020	0.010	0.000	0.000	0.000	0.040	0.080	0.030	0.050	0.030	0.030	0.040	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.000	0.380	0.080
18	0.010	0.040	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.090	0.070	0.220	0.140	0.030	0.020	0.020	0.010	0.030	0.000	0.020	0.020	0.010	0.780	0.220
19	0.030	0.010	0.010	0.010	0.020	0.010	0.010	0.000	0.010	0.020	0.120	0.170	0.120	0.100	0.030	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.700	0.170
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	Au	Au	Au	Au	Au	Au	Au	0.000	0.000	0.000	0.000	0.030	0.000	0.000	0.040	0.030
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.060	0.110	0.060	0.050	0.040	0.020	0.060	0.090	0.060	0.090	0.210	0.890	1.100	1.020	0.900	0.770	0.650	0.320	0.200	0.220	0.130	0.110	0.060	0.030	7.250	0.000
Max	0.030	0.040	0.020	0.020	0.020	0.010	0.040	0.080	0.030	0.050	0.120	0.540	0.530	0.400	0.580	0.630	0.600	0.250	0.150	0.150	0.100	0.030	0.020	0.010	4.000	0.630

APPENDIX B: PERFORMANCE AUDIT REPORTS, FIRST QUARTER 2013

BISON ENGINEERING, INC.

Meteorological Parameters Audit Form

Audit Start Time : 10:44 MST Audit End Time : 16:30 MST
Client: Tintina Resources Date: 03/20/2013
Site: Black Butte
AUDITOR: Steve Heck STATION OPERATOR: Jeff Bell

Temperature

Audit Device
Control Company - digital thermometer Model 4000
Serial Number 91255639
Last certified: 11/20/2012

Sensors
Climatronics Model 100093

Fahrenheit = centigrade * 9/5 + 32
centigrade = (Fahrenheit - 32) * 5/9

Audit Value C	DAS 2m C	DAS 9m C	Diff 2m C	Diff 9m C	Diff 2m-9m C
30.68	30.80	30.66	-0.12	0.02	0.14
15.06	15.08	15.00	-0.02	0.06	0.08
0.06	0.24	0.22	-0.18	-0.16	0.02

Wind Direction

Sensor height: 10 Meter
Sensor (Make/model number): Climatronics/ WMIII
Serial Number : 1849
Magnetic Declination 12.5 from NOAA website
Measured Crossarm Degrees 1.4 / 181.4
Difference from N-S +1.4
Audit Device: Climatronics 101966, SN 70
Windvane held on crossarm - as found 0.1 / 177.4
Windvane held on crossarm - as left 0.1 / 179.0

Linearity Check from DAS

Setpoint	Instrument	Diff
0	0.1	0.1
30	29.0	-1.0
60	58.4	-1.6
90	88.1	-1.9
120	117.9	-2.1
150	148.0	-2.0
180	178.1	-1.9
210	207.4	-2.6
240	237.2	-2.8
270	268.0	-2.0
300	298.1	-1.9
330	328.2	-1.8
0	0.1	0.1

MAX DIFF = -2.8

Wind Speed

Sensor height: 10 Meter
Sensor (make/model number): Climatronics/ WMIII
Serial Number : 1849
Calibration device: Climatronics Linearity Wheel

Known Value RPM	Known Value m/s	DAS Station Value m/s	DAS Diff. m/s
0	0.0	0.22	0.22
300	6.6	6.66	0.06
600	13.1	13.09	-0.01

Torque Watches

WS: Waters Model 366-3
WD: Waters Model 366-1

Wind Speed:	<0.003 oz.-in.
Wind Direction:	0.05 oz.-in CW
	0.05 oz.-in CCW

Relative Humidity

Audit Device: Assmann Psychrometer, thermometer calibrations checked 12/7/2012

Audit Dry-Bulb:	7.3 deg C	BP = 24.07 in. Hg
Audit Wet-Bulb	2.7 deg C	
Audit RH:	46.1	%RH
Station RH:	47.0	%RH
Diff:	0.9	%RH

Barometric Pressure

Audit Device: Wallace & Tiernan Model FA185260, S/N LL03297. 03/13/2013
Checked against Bison Mercury barometer (Butte) on 03/19/2013

Audit Value:	24.11	in Hg
Station Value:	24.16	in Hg
Diff:	0.05	in Hg

Precipitation

Rain Gauge = MetOne Model 375
Level checked OK
Wind Screen in place
8" opening

559 ml water added 64 ? tips counted
Calibration is 8.24 ml per tip

559/8.24 = 67.8 tips - Audit Value
% diff = 64-67.8/67.8*100= -4.62%

Signature Site Operator :_____

Signature Auditor : Steven R Heidel

Note: These preliminary results are subject to appropriate changes
following verification of audit equipment,procedures,and calculations.

TINTINA RESOURCES, INC.
BLACK BUTTE COPPER PROJECT
AMBIENT AIR
MONITORING PROGRAM
Quarterly Data Report
Second Quarter 2013

Prepared for:

Tintina Resources, Inc.
17 East Main St
White Sulphur Springs, MT 59645

Prepared by:

Bison Engineering, Inc.
1111 Maggie Lane
Billings, MT 59101
(406) 896-1716
http://www.bison-eng.com

November 7, 2013

CERTIFICATION OF DATA INTEGRITY

Bison Engineering, Inc., certifies the data in this report is an accurate summary of the air quality conditions measured at the Black Butte Copper Project air monitoring site. Every effort was made to obtain accurate and representative data and to comply with the procedures set forth in the *Quality Assurance Project Plan*, the *State of Montana Ambient Air Monitoring Program Quality Assurance Project Plan*, the Environmental Protection Agency's *Quality Assurance Handbook for Air Pollution Measurement Systems: Volume II, Ambient Air Specific Methods (April 1994)*, and EPA's *Quality Assurance Handbook for Air Pollution Measurement Systems, Volume II, Part 1, Ambient Air Quality Monitoring Program Quality System Development (March 1998).*

Preparer: Jeffrey S. Bell

Signature: Jeffrey S. Bell

Title: Senior Field Technician

Date: 10/15/13

Reviewer: Rebecca L. Picchioni, P.E.

Signature: Rebecca L. Picchioni

Title: Project Engineer

Date: 10/31/13

TABLE OF CONTENTS

CERTIFICATION OF DATA INTEGRITY ii

1.0 INTRODUCTION 1

2.0 MONITORING SYSTEM OPERATIONS 3

3.0 CALIBRATION DATA 4

4.0 PERFORMANCE AUDIT DATA 5

5.0 DATA COMPLETENESS 6

6.0 MONITORING DATA 11

LIST OF TABLES

Table 1. Monthly Data Completeness 7
Table 2. Quarterly Data Completeness 10
Table 3. Missing Data Codes 12
Table 4. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 13
Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 14
Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 15
Table 7. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower 16

LIST OF FIGURES

Figure 1. Monitoring Site Location 2
Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower 17
Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower 18
Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower 19
Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower 20

APPENDICES

Appendix A: Meteorological Data

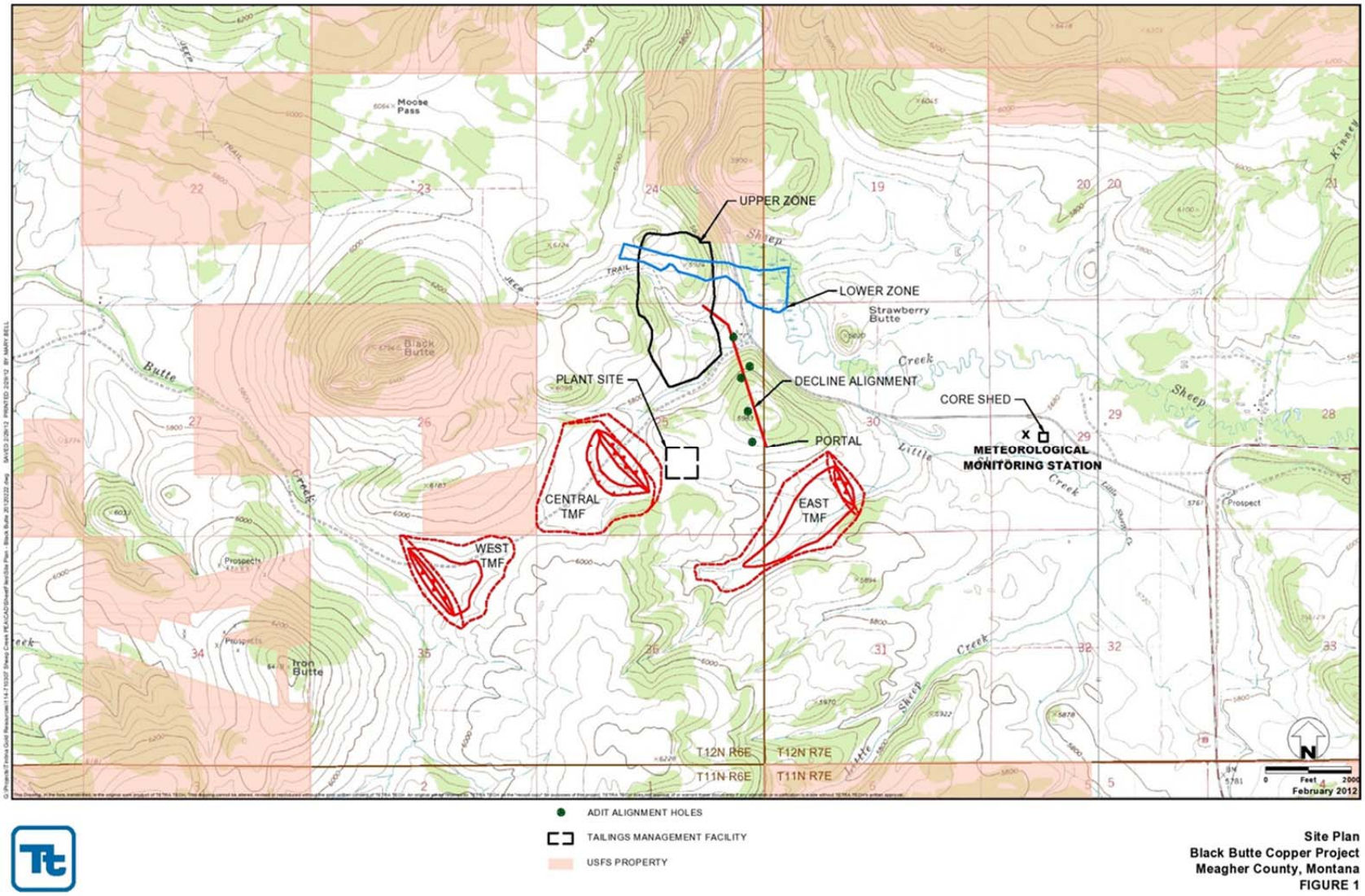
1.0 INTRODUCTION

Tintina Resources, Inc. established an ambient air monitoring site to measure wind speed, wind direction, standard deviation of wind direction, temperature at 9 meters and 2 meters, delta temperature, solar radiation, barometric pressure, and precipitation. The station was established to accurately characterize the local meteorology and collect baseline data in support of an operating permit application and various environmental studies.

The site of the meteorological monitoring system was installed in April 2012. The site is operated by Bison Engineering, Inc., of Helena and Billings. Figure 1 shows the location of the monitoring site.

This report presents the data collected during the second quarter (April through June) of 2013. In addition, a description of the monitoring system operations is presented, together with summaries of quality assurance activities, including calibrations and performance audits. Tabular summaries of the data completeness achieved and the periods of missing data also are presented. Appendix A presents hourly meteorological data collected.

Figure 1. Monitoring Site Location



2.0 MONITORING SYSTEM OPERATIONS

The installation of the monitoring meteorological system equipment took place in April 2012, soon after the equipment was received from the manufacturers. The installation and calibration of the equipment required about two weeks to complete. All meteorological parameters were in full operation and producing valid data by April 30, 2012.

3.0 CALIBRATION DATA

No calibrations were performed during the second quarter.

A meteorological system calibration is performed:

- No later than 180 days after the most recent calibration that indicated the meteorological system response to be acceptable;
- After an interruption of more than a few days in meteorological system operation;
- Following any repairs which might affect meteorological system calibration;
- Following a physical relocation of the meteorological system; or
- After any other indication of significant inaccuracy of the meteorological system, such as system failure or an unacceptable audit result.

4.0 PERFORMANCE AUDIT DATA

No performance audit was performed during the second quarter.

5.0 DATA COMPLETENESS

The meteorological percentages of data recovery achieved during the second quarter of 2013 are given in Tables 1 and 2. In these tables, the number of possible data values during each month of the quarter is given, together with the number of valid readings and the number of hours spent on quality assurance activities (such as calibrations, performance audits, and maintenance on the sensors). The quality assurance hours are added to the number of hours of valid data to compute the net percentage data recovery.

- The data recovery for precipitation was 67.0%, because the tipping bucket rain gauge developed a mechanical problem at the start of June.
- The data recovery for wind direction and wind direction standard deviation was 99.8%. Minor data loss occurred due to a frozen vane.
- The data recovery for all other meteorological parameters was 100.0%.

Table 1. Monthly Data Completeness

April 2013					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	720	720	100.0	0	100.0
Wind Direction	720	715	99.3	0	99.3
Standard Deviation	720	715	99.3	0	99.3
Temperature 9 Meters	720	720	100.0	0	100.0
Temperature 2 Meters	720	720	100.0	0	100.0
Temperature Delta T	720	720	100.0	0	100.0
Solar Radiation	720	720	100.0	0	100.0
Barometric Pressure	720	720	100.0	0	100.0
Relative Humidity	720	720	100.0	0	100.0
Precipitation	720	720	100.0	0	100.0
Total	7,200	7,190	99.9	0	99.9

Table 1. Monthly Data Completeness (Continued)

May 2013					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	744	100.0	0	100.0
Wind Direction	744	744	100.0	0	100.0
Standard Deviation	744	744	100.0	0	100.0
Temperature 9 Meters	744	744	100.0	0	100.0
Temperature 2 Meters	744	744	100.0	0	100.0
Temperature Delta T	744	744	100.0	0	100.0
Solar Radiation	744	744	100.0	0	100.0
Barometric Pressure	744	744	100.0	0	100.0
Relative Humidity	744	744	100.0	0	100.0
Precipitation	744	744	100.0	0	100.0
Total	7,440	7,440	100.0	0	100.0

Table 1. Monthly Data Completeness (Continued)

June 2013					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	720	720	100.0	0	100.0
Wind Direction	720	720	100.0	0	100.0
Standard Deviation	720	720	100.0	0	100.0
Temperature 9 Meters	720	720	100.0	0	100.0
Temperature 2 Meters	720	720	100.0	0	100.0
Temperature Delta T	720	720	100.0	0	100.0
Solar Radiation	720	720	100.0	0	100.0
Barometric Pressure	720	720	100.0	0	100.0
Relative Humidity	720	720	100.0	0	100.0
Precipitation	720	0	0.0	0	0.0
Total	7,200	7,200	100.0	0	100.0

Table 2. Quarterly Data Completeness

Second Quarter 2013					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	2,184	2,184	100.0	0	100.0
Wind Direction	2,184	2,179	99.8	0	99.8
Standard Deviation	2,184	2,179	99.8	0	99.8
Temperature 9 Meters	2,184	2,184	100.0	0	100.0
Temperature 2 Meters	2,184	2,184	100.0	0	100.0
Temperature and Delta T	2,184	2,184	100.0	0	100.0
Solar Radiation	2,184	2,184	100.0	0	100.0
Barometric Pressure	2,184	2,184	100.0	0	100.0
Relative Humidity	2,184	2,184	100.0	0	100.0
Precipitation	2,184	1,464	67.0	0	67.0
Total	21,840	21,110	96.7	0	96.7

6.0 MONITORING DATA

The hourly data values collected at the monitoring sites are given in the data tables in Appendix A. Each table presents one month's data for one parameter in the monitoring system. In addition, the average, maximum, and minimum values for each parameter for each day are listed (for wind direction, the prevailing wind direction for the day is given). For those hours with missing data, a code is given that explains the reason the data were missing. These codes are given in Table 3.

Monthly and quarterly wind rose distributions from the monitoring site are presented in Tables 4 through 7. These tables give the percentage frequency of occurrence of winds from 16 cardinal directions and from 22 wind speed ranges. These same data are presented graphically in Figures 2 through 5. In the wind rose figures, the length of each "petal" of the rose is proportional to the percentage of time the wind blew from that direction. On the bottom of each figure is a histogram showing the average wind speed from each of the cardinal wind directions.

Table 3. Missing Data Codes

Mnemonic Code	Description	Equivalent EPA Null Value Reason Code
Sc	Scheduled but not collected	9972
Ti	Sample time out of limits	9973
Fi	Filter damage	9976
Op	Voided by operator	9978
ND	Machine malfunction	9980
Wx	Bad weather	9981
Co	Collection error	9983
Lb	Lab error	9984
QA	Poor quality assurance results	9985
Pwr	Power failure	9988
Wi	Wildlife damage	9989
AZ	Automatic zero/span check	9991
ZS	Manual zero/span check	9986
Au	Performance audit	9992
Ma	Routine maintenance/repairs	9993
Ca	Multipoint calibration	9995
PZ	Precision/zero/span	9998

Table 4. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

April 2013																	
Direction>>>		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.7	0.7	0.8	0.4	0.8	0.7	0.6	0.8	1.5	0.3	0.3	0.0	0.6	0.3	0.6	0.4	9.4
	1.1 - 2.0	0.1	0.8	1.0	1.3	3.3	1.9	1.7	1.5	0.7	0.7	0.8	0.7	0.7	1.1	1.3	0.7	18.3
	2.1 - 3.0	0.0	0.4	0.4	0.7	2.2	0.8	1.0	0.7	0.3	0.4	0.3	1.8	1.7	1.4	0.4	0.6	13.1
	3.1 - 4.0	0.6	0.0	0.3	0.8	0.8	0.0	0.1	1.3	0.3	0.0	0.4	1.8	3.3	2.5	1.9	1.1	15.3
	4.1 - 5.0	0.6	0.0	0.0	0.6	0.1	0.0	0.1	0.3	0.3	0.0	0.7	1.1	3.6	1.9	1.8	1.5	12.6
	5.1 - 6.0	0.7	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.1	0.3	0.0	1.3	2.2	1.7	1.1	0.1	8.1
	6.1 - 7.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.8	2.8	1.0	1.8	0.1	7.5
	7.1 - 8.0	0.6	0.1	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0	1.8	4.2	1.1	0.4	0.0	8.6
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.6	0.7	0.0	3.2
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.1	0.0	1.3
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.8
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.6
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.4
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.3
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm																		0.0
Total		3.5	2.2	2.5	3.8	7.4	3.5	3.9	5.7	3.2	1.7	2.5	10.1	22.8	12.6	10.1	4.6	100.0
Average Speed		4.3	2.2	1.7	2.5	2.0	1.6	2.4	3.1	1.9	2.3	2.7	5.0	6.0	5.1	4.7	3.5	4.1

Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

May 2013																	
Direction>>>		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.5	0.5	1.2	0.8	0.9	0.8	1.2	0.8	0.4	0.1	0.1	0.0	0.1	0.3	0.4	0.8	9.1
	1.1 - 2.0	0.9	1.1	2.6	3.6	2.4	2.8	1.6	0.3	0.1	0.3	0.4	0.5	0.5	1.1	2.6	0.4	21.2
	2.1 - 3.0	0.4	0.5	1.2	3.6	3.6	1.5	0.5	0.7	0.3	0.3	0.4	0.7	1.5	1.3	3.1	0.3	19.9
	3.1 - 4.0	0.4	0.1	0.1	1.6	1.6	0.5	0.9	0.5	0.4	0.5	0.4	0.4	1.7	1.7	2.0	0.8	14.0
	4.1 - 5.0	0.3	0.3	0.4	0.9	0.4	0.3	1.3	0.7	0.0	0.0	0.0	0.5	0.7	2.2	2.0	0.1	10.1
	5.1 - 6.0	0.1	0.1	0.0	0.7	0.0	0.4	1.6	0.4	0.1	0.3	0.1	1.2	1.7	0.9	1.6	0.0	9.4
	6.1 - 7.0	0.4	0.1	0.0	0.0	0.0	0.1	1.2	0.3	0.0	0.3	0.5	0.4	0.8	0.7	1.2	0.1	6.2
	7.1 - 8.0	0.1	0.0	0.0	0.0	0.1	0.5	2.0	0.3	0.0	0.1	0.0	0.1	0.3	2.4	0.7	0.0	6.7
	8.1 - 9.0	0.1	0.0	0.0	0.0	0.0	0.1	0.4	0.0	0.0	0.1	0.1	0.1	0.1	0.9	0.0	0.0	2.2
	9.1 - 10.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.1	0.0	0.0	0.4	0.0	0.0	1.1
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm																		0.0
Total		3.4	3.0	5.5	11.3	9.1	7.1	11.2	4.2	1.3	2.0	2.3	4.0	7.5	12.0	13.6	2.6	100.0
Average Speed		3.3	2.7	1.9	2.6	2.5	2.9	4.7	3.9	2.4	4.1	4.3	4.5	4.3	5.0	3.7	2.5	3.6

Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

June 2013																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.6	0.7	0.7	0.3	1.5	0.7	1.4	0.4	0.1	0.0	0.1	0.3	0.4	0.3	0.3	0.7	8.5
	1.1 - 2.0	0.7	1.1	1.7	3.1	4.4	3.2	3.2	1.1	0.6	0.1	0.1	0.4	0.8	1.0	0.7	0.4	22.6
	2.1 - 3.0	0.1	0.3	1.5	3.5	2.9	2.1	1.1	1.1	0.0	0.3	0.6	0.8	1.0	2.5	1.7	0.6	20.0
	3.1 - 4.0	0.4	0.1	0.4	1.3	0.8	0.1	0.6	1.0	0.3	0.7	0.4	1.3	2.5	3.3	1.8	0.8	15.8
	4.1 - 5.0	0.1	0.0	0.6	0.8	0.4	0.4	1.1	0.7	0.6	0.3	0.1	0.3	1.8	1.4	1.1	0.0	9.7
	5.1 - 6.0	0.1	0.0	0.0	0.0	0.0	0.1	1.1	0.7	0.0	0.3	1.1	1.1	1.0	2.6	0.8	0.1	9.2
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.6	0.0	0.3	0.0	0.4	2.1	1.9	0.7	0.0	7.2
	7.1 - 8.0	0.1	0.0	0.0	0.0	0.0	0.1	0.4	0.1	0.0	0.1	0.1	0.8	1.1	0.3	0.0	0.0	3.3
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.0	0.0	0.0	0.3	0.3	1.1	0.3	0.1	0.0	2.8
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.6	0.1	0.0	0.0	0.8
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	2.2	2.2	4.9	8.9	10.3	7.4	10.3	5.7	1.5	2.1	2.9	5.7	12.4	13.8	7.2	2.6	100.0
	Average Speed	2.5	1.5	2.3	2.4	2.1	2.5	3.4	3.5	3.0	4.4	4.7	4.6	5.1	4.3	3.7	2.3	3.5

Table 7. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower

Second Quarter 2013																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.6	0.6	0.9	0.5	1.1	0.7	1.1	0.7	0.7	0.1	0.2	0.1	0.4	0.3	0.4	0.6	9.0
	1.1 - 2.0	0.6	1.0	1.7	2.7	3.4	2.7	2.2	1.0	0.5	0.4	0.5	0.5	0.7	1.1	1.5	0.5	20.7
	2.1 - 3.0	0.2	0.4	1.1	2.6	2.9	1.5	0.9	0.8	0.2	0.3	0.4	1.1	1.4	1.7	1.7	0.5	17.7
	3.1 - 4.0	0.5	0.1	0.3	1.2	1.1	0.2	0.5	0.9	0.3	0.4	0.4	1.1	2.5	2.5	1.9	0.9	15.0
	4.1 - 5.0	0.3	0.1	0.3	0.8	0.3	0.2	0.9	0.5	0.3	0.1	0.3	0.6	2.0	1.8	1.6	0.5	10.8
	5.1 - 6.0	0.3	0.0	0.0	0.2	0.0	0.2	1.0	0.5	0.1	0.3	0.4	1.2	1.6	1.7	1.2	0.1	8.9
	6.1 - 7.0	0.2	0.1	0.0	0.0	0.0	0.2	0.7	0.5	0.0	0.2	0.2	0.5	1.9	1.2	1.2	0.1	7.0
	7.1 - 8.0	0.3	0.0	0.0	0.0	0.0	0.2	0.9	0.2	0.0	0.1	0.0	0.9	1.8	1.3	0.4	0.0	6.2
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.1	0.4	0.8	0.6	0.3	0.0	2.7
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.0	0.0	1.1
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.3
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	3.0	2.5	4.3	8.0	8.9	6.0	8.5	5.2	2.0	1.9	2.6	6.6	14.1	12.8	10.3	3.3	100.0
	Average Speed	3.5	2.2	2.0	2.5	2.2	2.5	3.8	3.5	2.3	3.7	3.9	4.8	5.4	4.8	4.0	2.9	3.7

Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower

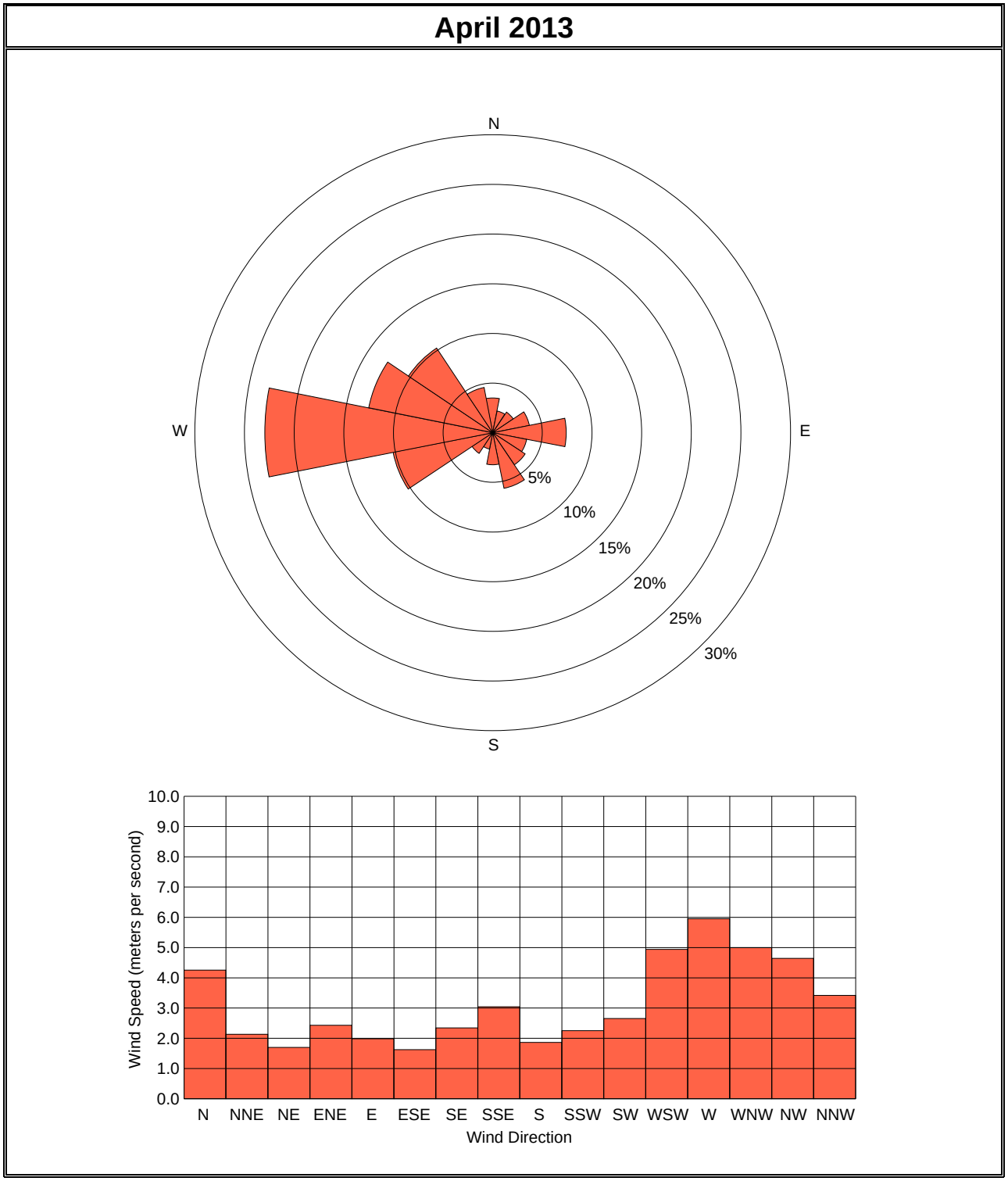


Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower

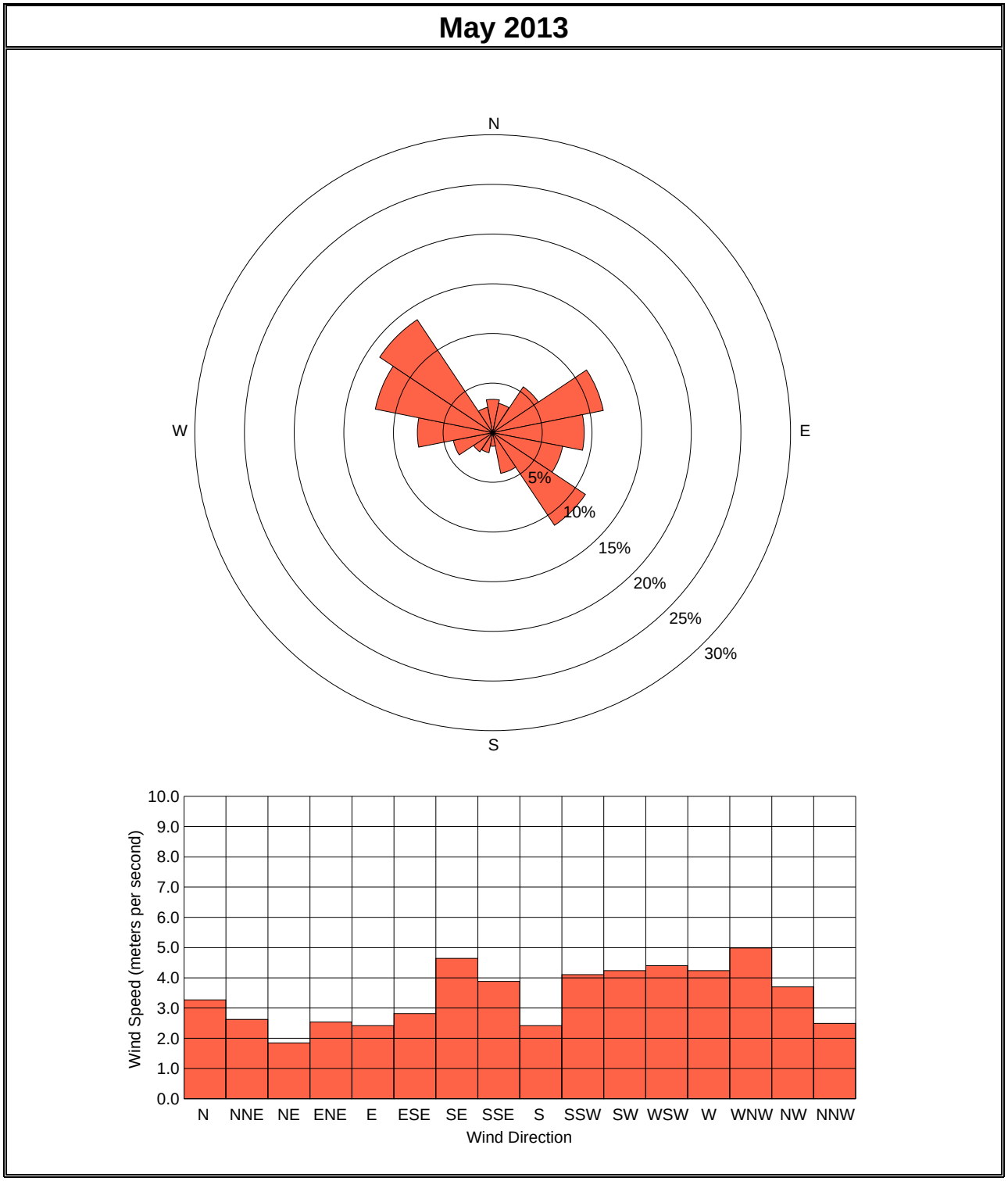


Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower

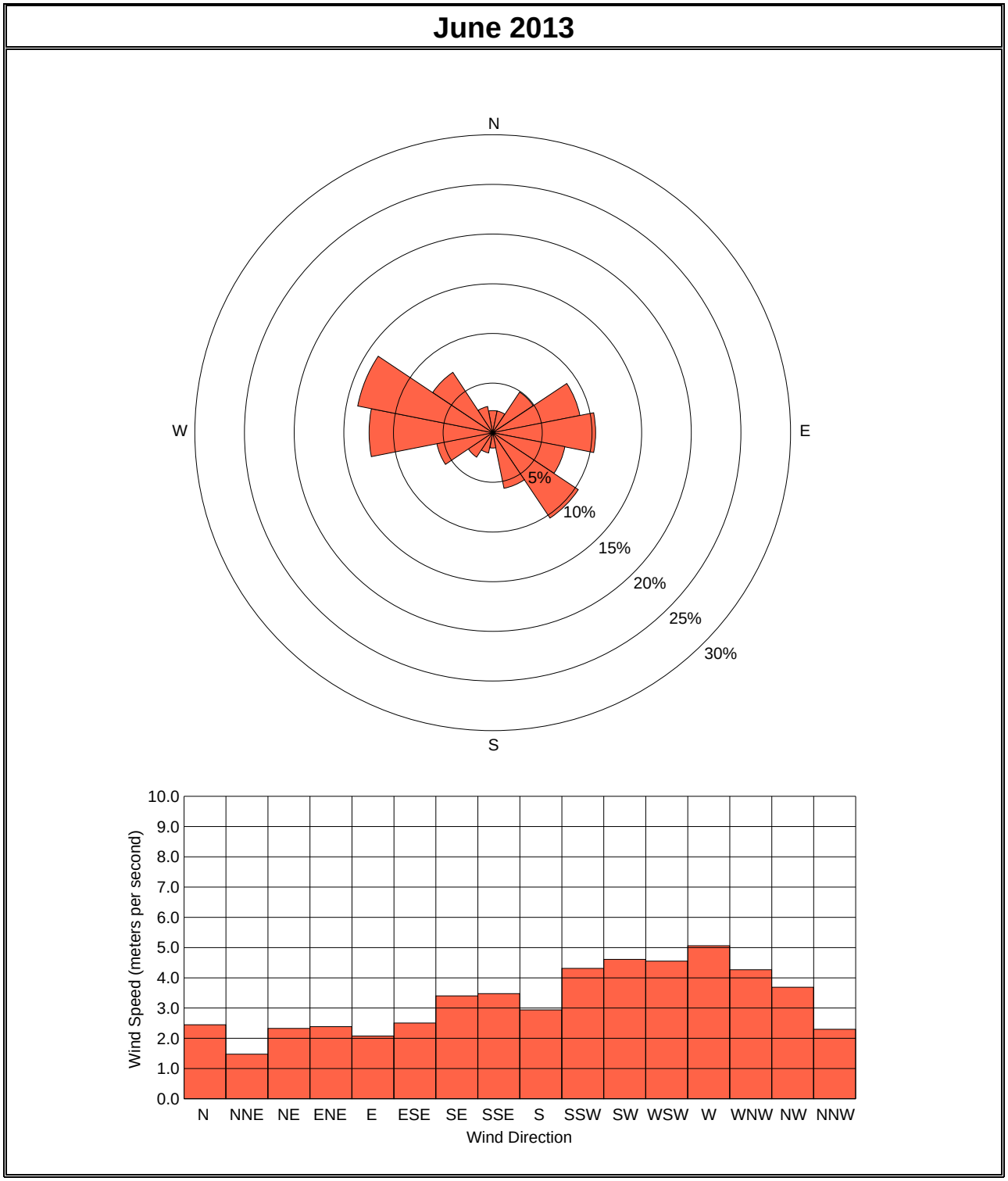
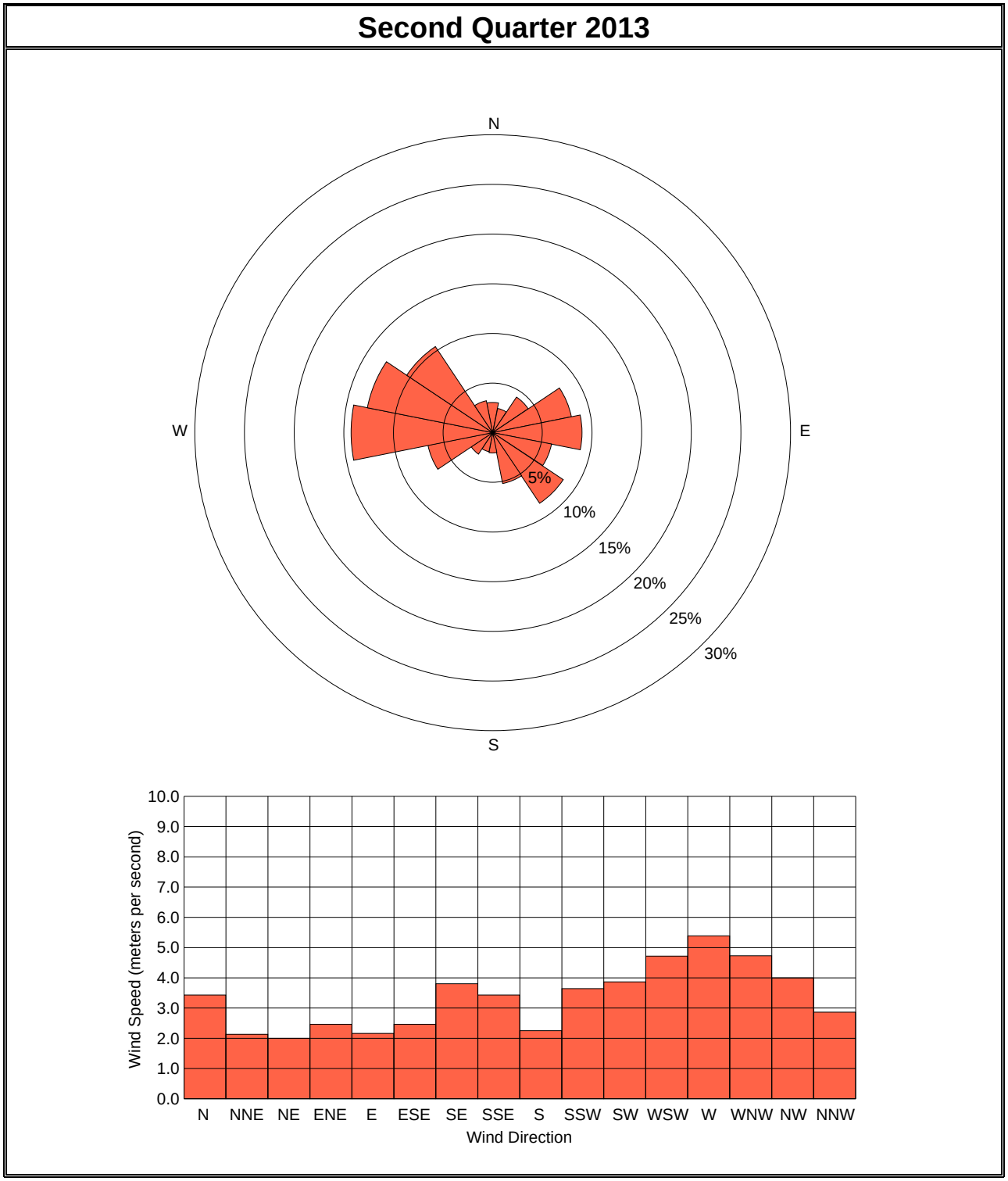


Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower



APPENDIX A: HOURLY AIR QUALITY AND METEOROLOGICAL DATA, SECOND QUARTER 2013

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
April 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.8	1.1	0.9	1.0	2.3	2.2	1.6	0.9	0.6	5.2	6.5	7.2	6.7	5.6	4.4	3.9	4.4	4.8	5.5	1.8	1.6	1.1	1.5	2.2	3.1	7.2	0.6
2	2.6	1.5	1.0	1.3	1.1	0.9	0.9	0.9	0.7	0.8	1.8	2.5	3.6	3.9	4.7	4.5	4.7	4.4	3.0	2.3	4.5	2.6	2.0	1.5	2.4	4.7	0.7
3	2.5	1.6	2.1	1.7	2.1	2.2	1.9	1.2	1.5	2.6	3.7	4.9	4.6	5.6	4.2	3.0	2.9	3.2	1.6	1.7	2.0	2.7	3.6	2.3	2.7	5.6	1.2
4	1.7	1.7	1.4	1.4	1.2	0.9	0.5	0.8	0.8	1.1	2.0	3.9	4.9	4.3	3.9	3.4	4.4	5.2	5.8	2.5	1.1	2.4	2.7	1.7	2.5	5.8	0.5
5	0.8	1.9	1.8	1.5	1.2	1.1	1.6	3.3	5.7	6.3	7.4	7.5	6.6	6.4	7.3	6.9	7.3	6.6	5.9	8.0	5.1	6.2	5.7	3.7	4.8	8.0	0.8
6	4.3	4.6	2.7	1.3	1.5	1.0	1.0	1.1	2.1	4.4	4.4	4.6	5.7	6.0	4.5	6.2	1.9	3.4	3.6	2.2	1.8	1.7	2.2	1.2	3.1	6.2	1.0
7	2.5	2.2	1.6	1.9	1.6	1.6	3.1	2.0	2.4	2.6	2.9	3.8	5.1	2.6	3.6	1.8	1.7	1.7	1.3	1.4	4.8	5.4	4.8	2.9	2.7	5.4	1.3
8	1.7	5.9	6.4	4.4	5.4	6.0	6.0	6.1	4.8	5.7	4.4	4.7	5.3	5.6	4.4	4.4	4.2	3.9	2.3	1.8	1.1	1.8	1.2	0.9	4.1	6.4	0.9
9	0.7	0.9	0.8	0.5	0.2	0.2	0.2	0.2	0.6	0.7	1.5	2.4	1.4	2.6	2.3	2.4	2.2	2.9	2.8	4.4	3.2	2.4	1.5	1.0	1.6	4.4	0.2
10	1.3	1.3	1.5	1.2	0.9	1.2	0.8	0.7	0.5	1.0	3.9	3.6	4.0	4.0	4.7	3.9	2.5	1.1	1.3	1.4	3.0	5.2	8.5	5.8	2.6	8.5	0.5
11	3.5	3.9	4.6	4.1	3.9	5.2	5.2	4.5	4.8	5.0	6.0	7.3	7.1	6.8	5.8	7.4	7.7	7.7	7.2	6.4	5.5	5.6	5.0	4.7	5.6	7.7	3.5
12	4.8	5.1	3.6	3.2	3.3	2.3	3.4	3.6	3.9	3.7	3.5	3.7	3.3	3.6	2.9	2.7	3.1	3.9	3.8	3.6	7.7	7.1	6.6	6.4	4.1	7.7	2.3
13	5.4	3.5	2.3	2.8	3.4	4.0	2.8	6.3	3.2	5.0	4.3	4.3	6.9	9.5	9.8	10.5	8.5	8.3	7.5	6.2	3.7	2.8	1.4	1.6	5.2	10.5	1.4
14	4.4	3.8	5.3	5.4	4.7	4.7	6.2	7.1	7.0	7.4	7.9	8.5	9.2	8.8	9.0	8.3	8.3	6.9	5.9	4.4	3.4	3.0	2.8	2.4	6.0	9.2	2.4
15	2.1	1.6	1.7	1.1	0.9	0.9	0.9	0.9	1.8	3.9	4.7	4.1	3.6	4.6	5.5	6.7	7.5	7.2	6.5	1.7	1.4	1.9	0.9	1.9	3.1	7.5	0.9
16	2.7	1.4	1.6	1.8	1.5	1.3	1.2	1.0	4.9	5.8	4.9	3.6	3.3	3.5	4.5	5.3	7.4	7.4	5.5	2.6	3.0	3.0	1.7	2.1	3.4	7.4	1.0
17	1.9	1.4	1.0	0.8	1.3	1.0	1.2	4.1	4.6	3.7	4.0	4.0	3.7	3.6	4.9	3.7	4.5	4.6	3.2	2.1	2.5	3.3	3.8	3.9	3.0	4.9	0.8
18	4.0	2.8	2.1	1.7	1.7	1.0	1.0	0.7	1.9	5.3	5.8	6.5	7.1	7.1	6.9	8.6	8.0	5.9	4.6	3.3	4.5	4.3	2.9	0.8	4.1	8.6	0.7
19	3.7	1.3	1.0	2.1	2.0	1.6	1.1	0.9	1.0	2.5	2.6	3.9	3.2	2.6	3.7	1.5	1.7	1.7	2.2	3.0	1.7	0.6	1.0	1.7	2.0	3.9	0.6
20	1.3	0.9	0.6	0.9	0.8	0.9	2.0	2.1	4.8	6.4	5.9	7.9	8.1	8.9	10.8	9.7	10.6	9.9	8.0	7.9	6.1	5.4	4.7	5.1	5.4	10.8	0.6
21	3.8	3.6	4.6	3.7	4.0	4.5	4.3	4.6	3.7	2.9	3.4	3.5	3.4	2.6	2.9	3.1	3.8	2.8	2.6	1.3	1.7	2.0	1.5	1.6	3.2	4.6	1.3
22	2.1	0.9	1.3	1.1	1.0	1.4	1.0	3.7	2.7	3.2	3.8	2.3	2.5	3.8	3.5	3.5	3.4	4.0	3.9	2.8	1.9	3.6	3.3	4.4	2.7	4.4	0.9
23	4.5	4.1	4.1	3.5	3.1	2.4	2.0	0.9	1.1	3.9	4.1	5.2	5.9	6.0	6.8	6.8	6.6	4.9	5.1	3.1	1.0	3.7	2.5	2.1	3.9	6.8	0.9
24	3.1	2.0	1.5	1.0	1.7	3.1	3.8	3.9	2.5	4.2	3.6	4.7	6.4	7.2	7.9	7.6	9.0	7.9	6.7	4.8	2.7	3.9	4.1	4.6	4.5	9.0	1.0
25	5.1	7.1	4.1	5.7	4.4	6.1	5.7	5.5	7.7	8.3	9.1	8.0	7.5	7.9	7.9	7.4	7.7	7.7	6.2	3.8	1.2	2.9	3.0	2.5	5.9	9.1	1.2
26	1.9	1.8	1.4	1.4	1.0	1.0	1.4	0.9	5.9	7.1	7.2	7.5	7.3	7.7	8.2	7.8	7.8	7.7	6.9	3.7	2.3	3.5	3.0	2.0	4.4	8.2	0.9
27	1.9	3.6	4.9	6.4	2.3	2.0	3.7	6.3	7.6	8.1	8.8	8.4	11.3	11.6	11.6	12.6	11.1	9.5	9.7	8.6	6.5	10.1	10.1	7.2	7.7	12.6	1.9
28	8.2	4.3	5.1	6.8	8.2	6.1	4.5	6.5	6.9	8.3	8.0	6.6	7.6	7.0	7.3	6.9	7.7	8.5	7.2	7.6	7.2	6.7	4.3	5.9	6.8	8.5	4.3
29	5.0	4.5	1.8	1.2	0.8	2.2	5.3	5.3	7.8	8.6	12.9	12.6	14.2	16.0	16.5	15.7	13.6	14.2	10.8	9.5	8.0	7.8	7.0	3.5	8.5	16.5	0.8
30	3.3	4.4	4.3	1.6	1.1	3.1	4.8	4.5	4.9	6.2	6.9	7.0	6.6	6.3	6.2	6.2	7.1	5.6	5.0	3.6	2.6	1.2	1.7	2.2	4.4	7.1	1.1
Avg	3.1	2.8	2.6	2.4	2.3	2.4	2.6	3.0	3.6	4.7	5.2	5.5	5.9	6.1	6.2	6.1	6.0	5.8	5.1	3.9	3.4	3.8	3.5	3.0	4.1	7.6	1.2
Max	8.2	7.1	6.4	6.8	8.2	6.1	6.2	7.1	7.8	8.6	12.9	12.6	14.2	16.0	16.5	15.7	13.6	14.2	10.8	9.5	8.0	10.1	10.1	7.2	8.5	16.5	4.3
Min	0.7	0.9	0.6	0.5	0.2	0.2	0.2	0.2	0.5	0.7	1.5	2.3	1.4	2.6	2.3	1.5	1.7	1.1	1.3	1.3	1.0	0.6	0.9	0.8	1.6	3.9	0.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
May 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	2.2	2.1	2.7	1.6	2.0	2.0	1.1	0.9	2.3	3.5	3.7	4.2	5.7	4.0	5.8	2.5	5.4	4.8	5.7	3.7	2.1	2.2	1.5	1.5	3.0	5.8	0.9
2	1.3	1.3	1.3	1.2	1.6	1.5	0.8	0.8	4.1	4.7	4.6	4.5	5.3	5.9	6.1	6.9	5.6	5.2	5.2	2.8	2.2	3.0	2.5	2.0	3.4	6.9	0.8
3	1.4	1.0	1.0	0.7	0.8	0.7	0.7	0.6	5.1	5.1	3.5	2.7	2.9	4.0	2.4	3.6	4.8	4.8	3.9	3.3	2.6	1.6	1.8	2.0	2.5	5.1	0.6
4	1.3	1.4	1.0	1.0	0.9	1.5	2.6	2.5	3.6	4.5	4.7	5.4	5.5	5.6	5.6	4.8	4.6	6.0	5.7	3.0	3.3	3.4	4.2	3.8	3.6	6.0	0.9
5	2.6	1.9	3.3	3.9	2.0	2.1	0.7	4.9	7.1	7.1	7.4	7.9	7.6	8.0	7.5	6.4	6.7	6.7	6.3	4.0	2.5	3.4	2.5	1.5	4.8	8.0	0.7
6	1.4	0.9	1.6	2.2	1.6	1.0	0.6	0.7	3.3	4.3	3.3	2.7	3.0	3.2	2.9	3.3	2.8	2.8	3.2	4.5	1.5	1.8	2.1	2.0	2.4	4.5	0.6
7	0.8	1.4	3.0	3.1	3.2	2.5	0.9	0.7	1.4	9.1	7.8	8.8	8.0	7.8	7.8	6.9	9.3	7.3	6.6	5.0	2.6	2.6	4.1	4.6	4.8	9.3	0.7
8	1.5	1.6	1.2	0.9	0.7	1.2	0.7	0.9	1.1	2.4	2.8	2.4	2.9	3.0	7.4	4.7	4.8	2.7	4.8	2.0	1.8	2.7	1.6	1.5	2.4	7.4	0.7
9	2.5	1.8	1.6	1.2	0.8	1.3	0.9	0.6	0.8	2.7	3.1	4.1	4.4	3.7	4.3	5.9	5.1	2.5	2.2	1.4	2.6	3.4	2.9	2.7	2.6	5.9	0.6
10	2.1	1.8	1.3	1.6	0.8	1.7	2.0	7.4	7.1	6.5	8.6	6.6	5.9	4.7	3.1	3.8	5.3	5.8	4.6	3.0	4.0	1.1	2.9	1.7	3.9	8.6	0.8
11	3.0	2.1	2.5	3.1	3.4	1.7	0.7	0.6	2.5	2.1	3.6	4.6	5.0	5.6	4.9	5.9	4.6	2.4	2.8	2.8	2.9	5.1	4.2	2.5	3.3	5.9	0.6
12	2.6	1.6	2.3	2.4	1.9	0.9	0.9	0.8	2.4	5.7	6.0	6.9	7.8	7.5	7.3	6.4	5.4	3.1	2.7	4.3	2.8	4.0	2.5	2.1	3.8	7.8	0.8
13	1.4	2.1	2.2	1.9	1.5	1.4	1.3	0.7	2.0	3.4	5.4	5.4	5.3	5.8	6.6	7.0	6.1	5.7	7.0	7.0	5.8	7.1	7.5	8.0	4.5	8.0	0.7
14	8.7	8.2	9.2	5.2	1.9	2.3	4.5	9.2	7.9	8.2	6.3	6.7	8.3	7.3	7.4	6.0	4.9	6.9	6.7	3.5	3.3	2.0	1.7	1.6	5.7	9.2	1.6
15	1.2	1.7	1.3	1.8	1.6	2.0	1.6	1.5	2.4	3.9	3.1	3.3	3.6	3.4	4.3	2.3	1.6	2.4	2.8	3.1	2.3	2.8	2.0	1.7	2.4	4.3	1.2
16	2.3	3.1	2.3	2.0	2.9	2.8	3.4	3.9	1.3	1.7	1.7	3.5	3.6	2.8	1.7	2.4	3.2	2.4	3.2	2.3	3.5	2.4	2.4	2.4	2.6	3.9	1.3
17	1.8	2.7	3.0	2.2	0.8	0.6	0.6	0.8	0.8	1.2	3.0	5.4	4.0	1.9	1.3	1.2	2.2	1.2	0.8	1.5	1.6	1.4	2.4	3.0	1.9	5.4	0.6
18	1.9	0.9	0.8	0.9	0.7	1.6	1.9	2.1	2.2	3.5	3.9	3.5	3.9	4.7	6.1	4.3	3.7	3.9	2.3	1.7	2.0	1.8	1.6	0.9	2.5	6.1	0.7
19	2.4	2.5	3.4	2.6	1.7	3.2	4.2	4.3	4.7	3.9	4.7	5.5	4.9	4.4	5.2	5.6	4.9	5.4	3.9	3.9	2.9	2.9	2.8	2.3	3.8	5.6	1.7
20	1.4	3.3	3.9	2.0	1.8	2.2	1.5	2.6	3.6	3.8	5.2	1.8	3.2	3.3	3.1	3.1	3.2	3.5	3.0	1.1	1.5	3.1	4.3	2.2	2.8	5.2	1.1
21	2.3	2.2	1.5	1.2	0.9	1.6	1.4	0.8	4.4	6.0	7.0	7.2	7.8	7.8	7.6	7.8	8.2	8.4	6.7	5.0	5.0	5.5	5.4	5.2	4.9	8.4	0.8
22	5.9	4.9	6.7	3.3	4.3	5.7	6.0	9.1	9.4	8.2	9.2	6.1	3.3	3.4	3.4	7.3	7.9	6.8	7.2	7.4	7.7	8.0	7.7	7.2	6.5	9.4	3.3
23	7.6	8.6	10.1	5.1	5.4	5.0	6.2	6.2	4.7	3.6	3.9	3.0	1.4	2.8	4.1	3.6	2.7	2.9	1.5	2.8	2.7	4.5	2.0	2.3	4.3	10.1	1.4
24	3.8	5.5	2.8	1.3	3.1	4.4	2.0	6.9	5.7	6.6	6.1	7.3	8.1	9.2	8.6	7.0	5.5	3.8	1.9	1.9	2.9	1.2	2.6	3.1	4.6	9.2	1.2
25	2.0	2.2	2.1	2.4	1.4	1.2	0.7	0.7	1.0	1.3	1.7	2.7	2.3	3.0	3.5	5.6	5.5	4.4	3.3	5.0	2.0	1.9	3.2	2.4	2.6	5.6	0.7
26	3.5	3.4	1.6	2.0	1.5	1.8	1.4	0.7	5.2	6.0	6.2	4.8	4.3	4.6	5.0	5.3	3.6	3.9	3.2	2.9	7.4	4.7	2.5	2.2	3.7	7.4	0.7
27	2.0	1.6	1.4	1.8	1.3	0.3	1.4	0.9	3.7	5.4	4.6	4.1	4.1	5.5	5.1	4.8	3.1	2.7	3.5	1.5	2.5	3.2	3.1	3.0	2.9	5.5	0.3
28	2.9	1.8	1.8	1.5	2.0	1.5	0.8	2.4	3.5	2.2	4.0	4.6	2.6	2.6	2.4	1.3	1.8	2.3	3.6	1.5	1.5	0.6	2.7	2.8	2.3	4.6	0.6
29	2.0	1.2	0.6	1.0	1.2	1.4	1.1	0.6	0.6	0.8	2.7	2.9	3.1	1.3	2.3	1.7	1.5	0.8	0.7	1.8	1.3	1.3	0.9	0.5	1.4	3.1	0.5
30	0.7	3.0	5.6	5.4	4.6	5.4	6.1	6.8	6.8	6.5	6.2	5.8	6.9	7.2	8.2	7.1	6.9	6.9	6.2	6.5	5.0	5.1	5.3	4.1	5.8	8.2	0.7
31	4.6	5.7	8.4	7.3	7.2	7.1	7.3	8.8	7.5	7.9	8.3	7.8	7.2	6.5	6.6	5.1	5.0	5.0	4.6	3.3	2.2	1.4	0.7	1.1	5.7	8.8	0.7
Avg	2.6	2.7	3.0	2.4	2.1	2.2	2.1	2.9	3.8	4.6	4.9	4.9	4.9	4.9	5.1	4.8	4.7	4.3	4.1	3.3	3.0	3.1	3.0	2.7	3.6	6.7	0.9
Max	8.7	8.6	10.1	7.3	7.2	7.1	7.3	9.2	9.4	9.1	9.2	8.8	8.3	9.2	8.6	7.8	9.3	8.4	7.2	7.4	7.7	8.0	7.7	8.0	6.5	10.1	3.3
Min	0.7	0.9	0.6	0.7	0.7	0.3	0.6	0.6	0.6	0.8	1.7	1.8	1.4	1.3	1.3	1.2	1.5	0.8	0.7	1.1	1.3	0.6	0.7	0.5	1.4	3.1	0.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
June 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.8	0.9	0.7	1.3	0.9	0.7	0.6	0.8	1.3	1.8	2.7	2.4	3.5	4.4	3.6	3.3	2.0	1.1	1.0	1.1	4.2	1.4	2.9	2.3	1.9	4.4	0.6
2	1.6	1.7	1.9	2.2	4.6	3.5	3.3	3.0	3.7	4.4	4.1	2.9	4.3	3.0	2.4	3.0	2.8	3.4	2.0	1.8	1.6	3.2	3.3	4.9	3.0	4.9	1.6
3	5.0	5.7	6.6	6.3	6.7	6.2	5.8	5.6	6.9	7.3	9.3	8.2	7.0	6.9	6.7	6.5	6.1	5.7	5.7	5.0	3.2	3.6	2.9	1.6	5.9	9.3	1.6
4	3.3	3.6	3.5	3.3	1.6	3.1	3.0	2.4	2.5	4.0	3.3	5.1	5.0	4.3	4.2	4.5	4.2	4.0	2.7	2.5	4.5	1.7	0.7	1.6	3.3	5.1	0.7
5	1.5	2.1	1.5	0.9	1.2	0.9	0.6	0.7	1.2	2.5	3.8	3.8	3.5	3.9	3.3	3.8	4.3	3.4	2.4	1.1	2.8	3.3	3.6	2.1	2.4	4.3	0.6
6	2.3	1.5	1.2	1.0	1.1	1.0	0.9	1.0	2.4	2.8	3.4	4.3	3.3	3.5	2.5	3.1	2.9	2.5	1.3	2.9	1.8	1.6	1.8	1.6	2.2	4.3	0.9
7	2.5	4.0	2.5	1.6	2.0	1.3	0.8	0.8	3.2	5.8	6.3	7.6	8.4	8.6	6.1	7.2	7.2	5.9	7.8	9.6	6.1	6.5	5.3	3.1	5.0	9.6	0.8
8	3.4	6.8	3.3	3.3	3.1	2.1	0.7	3.4	5.6	6.1	6.6	6.0	5.1	5.6	5.5	5.8	5.4	6.6	5.2	4.0	3.4	2.8	3.2	3.0	4.4	6.8	0.7
9	2.1	2.0	1.9	1.6	1.6	1.1	0.7	1.4	4.1	5.7	5.6	5.8	5.6	7.2	7.4	8.6	9.0	8.5	6.9	5.2	4.8	4.8	2.9	2.7	4.5	9.0	0.7
10	2.2	2.0	2.8	2.1	1.5	1.2	1.2	0.8	2.4	3.0	3.1	3.2	3.3	3.2	2.4	2.1	2.5	7.5	6.2	3.7	2.5	2.6	3.2	2.7	2.8	7.5	0.8
11	1.8	3.0	2.7	2.5	1.0	1.8	1.5	1.4	3.0	3.5	4.9	3.2	3.5	5.8	3.6	3.3	5.6	3.5	2.2	4.0	4.1	2.3	1.2	1.1	2.9	5.8	1.0
12	1.1	1.5	1.4	1.4	1.0	1.1	2.5	6.2	7.2	8.8	8.3	5.6	5.4	6.4	7.9	6.2	7.1	4.7	4.9	3.5	2.8	3.9	3.0	3.0	4.4	8.8	1.0
13	2.4	1.1	1.2	1.6	1.0	1.1	1.0	4.0	3.6	4.5	3.2	4.5	4.9	7.2	6.5	5.6	3.9	5.7	5.1	3.3	2.1	1.5	1.2	1.7	3.2	7.2	1.0
14	1.2	1.5	3.0	2.1	1.6	1.0	0.7	3.3	5.9	7.6	8.0	8.7	8.6	8.3	6.5	9.9	9.8	9.3	8.3	8.4	4.8	3.3	3.3	1.9	5.3	9.9	0.7
15	1.6	1.5	2.2	2.5	1.9	1.6	1.4	2.4	4.1	5.5	5.8	5.5	6.0	7.0	6.5	6.7	6.6	4.6	3.8	2.1	2.1	3.6	2.7	1.3	3.7	7.0	1.3
16	1.4	1.3	0.5	1.1	0.9	0.7	0.4	0.5	1.0	2.1	3.0	3.1	3.4	3.8	3.9	4.0	2.9	3.6	3.2	3.8	4.1	3.0	3.9	4.2	2.5	4.2	0.4
17	3.8	2.2	1.1	1.6	2.1	2.2	1.1	2.1	6.6	7.0	6.8	5.7	4.9	4.7	4.8	5.4	5.6	4.8	6.9	6.2	2.8	3.0	4.7	5.2	4.2	7.0	1.1
18	4.4	2.7	1.7	2.1	2.5	2.9	3.7	6.0	5.2	4.3	3.2	3.1	4.1	4.7	5.8	5.8	4.1	4.7	6.8	7.9	8.1	5.2	4.0	3.2	4.4	8.1	1.7
19	2.5	1.3	1.4	1.9	1.2	0.9	0.8	2.0	1.2	2.9	6.0	5.5	9.3	8.6	6.1	4.5	4.4	8.9	6.8	3.2	2.2	2.0	3.5	3.9	3.8	9.3	0.8
20	6.1	3.9	4.7	3.1	5.4	4.9	4.9	7.1	5.9	5.2	7.6	8.9	6.9	4.2	5.6	5.1	5.3	2.3	2.5	0.9	1.9	3.4	2.6	2.2	4.6	8.9	0.9
21	1.5	1.4	1.6	1.7	2.0	1.4	0.9	1.1	4.5	3.7	4.8	3.5	4.2	2.2	4.8	4.1	3.8	2.4	2.3	2.6	3.8	3.3	3.0	2.1	2.8	4.8	0.9
22	2.7	2.7	2.9	2.3	1.4	1.2	1.2	0.9	2.7	3.6	5.7	4.4	2.9	2.7	2.1	4.5	2.7	3.7	2.0	2.4	1.4	1.7	1.6	1.2	2.5	5.7	0.9
23	1.6	1.6	1.9	1.1	1.1	1.0	0.8	0.5	1.4	4.6	4.8	5.1	4.7	4.3	3.0	3.4	2.3	2.0	1.4	1.2	2.2	2.6	3.0	2.5	2.4	5.1	0.5
24	2.1	1.6	2.3	1.9	2.0	1.3	1.7	2.0	3.6	6.1	7.5	6.8	5.8	4.6	8.6	3.6	5.1	2.7	2.2	1.4	2.4	1.8	2.5	2.7	3.4	8.6	1.3
25	3.1	2.5	0.9	1.3	1.1	0.8	1.0	1.5	5.5	6.2	7.4	6.3	6.9	6.0	5.9	5.9	5.3	4.7	3.2	3.9	2.9	1.5	1.9	0.9	3.6	7.4	0.8
26	2.0	1.6	1.2	1.2	0.9	1.2	1.1	0.7	2.9	5.7	5.6	6.1	7.5	6.9	6.9	6.3	7.0	6.8	4.0	3.7	2.4	2.2	2.5	2.4	3.7	7.5	0.7
27	2.2	1.0	0.6	1.2	0.9	0.8	0.9	2.1	5.8	7.7	7.7	7.6	8.1	7.9	8.6	7.0	6.7	5.1	4.6	3.5	1.8	2.1	2.7	2.4	4.1	8.6	0.6
28	1.5	1.0	1.4	1.6	1.2	1.2	0.5	0.5	0.7	2.3	3.7	3.9	4.8	3.8	2.7	3.1	3.4	2.9	2.1	1.2	2.0	1.7	1.7	1.1	2.1	4.8	0.5
29	1.5	1.3	1.4	1.2	1.7	1.3	1.1	0.7	1.0	2.1	1.4	2.0	2.9	2.9	4.4	4.8	5.0	4.9	3.0	3.2	2.2	2.0	1.2	3.4	2.4	5.0	0.7
30	2.2	2.0	2.0	1.8	1.9	1.7	1.3	1.0	1.3	0.8	1.1	2.3	2.8	3.9	5.4	5.3	5.0	4.6	3.9	2.7	1.7	2.2	1.1	2.0	2.5	5.4	0.8
Avg	2.4	2.2	2.1	2.0	1.9	1.7	1.5	2.2	3.5	4.6	5.2	5.0	5.2	5.2	5.1	5.1	4.9	4.7	4.0	3.5	3.1	2.8	2.7	2.5	3.5	6.8	0.9
Max	6.1	6.8	6.6	6.3	6.7	6.2	5.8	7.1	7.2	8.8	9.3	8.9	9.3	8.6	8.6	9.9	9.8	9.3	8.3	9.6	8.1	6.5	5.3	5.2	5.9	9.9	1.7
Min	0.8	0.9	0.5	0.9	0.9	0.7	0.4	0.5	0.7	0.8	1.1	2.0	2.8	2.2	2.1	2.1	2.0	1.1	1.0	0.9	1.4	1.4	0.7	0.9	1.9	4.2	0.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
April 2013

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	357	129	18	18	83	97	129	187	349	145	159	155	151	159	159	160	151	144	146	186	129	95	113	115	130
2	88	65	18	101	67	94	43	149	260	31	305	246	251	258	262	259	261	261	259	93	85	73	109	98	71
3	93	127	103	84	86	89	53	15	117	312	303	320	270	250	261	241	258	260	237	136	129	143	146	103	137
4	95	75	44	96	84	143	49	152	219	347	220	231	233	224	255	220	178	191	207	154	142	147	137	192	167
5	68	97	107	83	45	98	28	231	267	264	260	260	274	256	265	259	270	275	272	276	263	273	270	273	271
6	256	265	298	267	141	175	97	102	153	229	231	252	250	241	225	256	28	252	249	252	290	158	124	289	234
7	238	299	82	74	71	86	79	121	75	121	136	173	199	243	290	342	346	201	228	316	327	318	324	342	1
8	314	322	321	334	321	323	322	321	338	335	327	266	258	256	257	252	248	252	243	265	232	161	222	175	282
9	324	183	352	113	60	131	137	155	113	92	159	199	222	188	254	258	247	164	174	171	153	148	156	189	167
10	173	154	158	177	162	151	172	210	306	329	268	262	269	260	263	269	239	249	178	221	247	289	278	298	234
11	299	291	289	290	306	284	297	287	271	279	269	269	259	269	296	270	275	282	278	285	287	283	300	311	284
12	295	273	269	277	291	295	280	282	277	307	312	272	245	253	232	195	167	160	153	149	134	153	159	159	240
13	151	155	92	126	153	165	132	245	310	277	274	261	275	287	283	292	295	289	270	273	286	277	329	257	261
14	286	289	298	299	315	307	308	301	305	304	309	305	311	316	319	316	302	306	311	317	297	280	286	290	303
15	270	271	324	10	270	102	90	269	321	334	333	353	44	7	5	7	12	8	11	95	17	14	34	93	2
16	71	102	104	121	42	115	100	291	6	6	357	349	357	359	347	9	10	10	4	29	316	327	344	58	20
17	130	155	133	166	96	154	86	329	328	328	306	323	313	338	339	342	310	299	341	14	79	70	67	74	14
18	71	87	93	79	72	114	12	5	326	281	274	288	288	293	295	315	325	310	317	296	274	265	272	347	323
19	307	273	45	104	102	81	150	45	50	285	306	269	274	281	252	45	69	132	124	262	302	289	216	88	334
20	175	ND	ND	ND	ND	ND	256	298	254	259	259	258	263	281	269	283	272	280	285	276	282	264	262	282	268
21	280	248	311	343	339	317	322	314	298	287	292	303	289	296	295	100	2	39	344	307	285	296	241	290	307
22	30	311	15	306	196	206	334	56	55	315	185	232	204	259	290	270	255	278	267	260	144	89	66	73	281
23	77	72	78	83	78	77	103	315	295	274	240	253	259	293	306	319	321	330	318	323	259	318	262	97	322
24	81	56	77	107	308	305	289	276	273	291	275	263	252	248	246	255	258	258	262	267	270	268	261	269	272
25	280	280	297	287	294	292	278	265	266	286	281	268	244	262	277	276	278	302	294	304	41	87	83	92	286
26	81	91	76	92	81	96	148	350	254	256	252	246	267	247	251	259	252	274	281	271	107	91	98	85	213
27	108	287	272	280	263	166	238	254	262	265	254	246	267	273	269	275	269	270	262	273	280	285	280	282	265
28	275	266	280	277	274	275	264	268	278	249	244	266	250	262	269	252	260	272	278	276	275	271	259	271	267
29	293	258	277	133	75	239	257	248	260	268	267	257	264	269	280	278	298	286	295	279	283	273	298	324	274
30	291	291	304	288	213	248	273	283	292	306	315	311	319	321	345	13	3	9	331	341	328	199	112	48	313
Prev	345	256	11	67	57	138	30	282	295	295	272	266	264	270	277	281	286	275	273	276	278	265	245	358	280

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
May 2013

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	62	47	67	109	47	90	77	126	267	261	241	265	256	279	241	277	310	313	313	299	322	93	65	74	340
2	71	55	86	73	35	118	154	74	281	257	246	257	257	243	263	271	259	258	275	233	133	95	70	63	224
3	37	74	87	355	90	123	80	354	14	9	10	28	12	275	238	330	309	300	285	284	309	259	250	286	343
4	59	324	49	128	132	350	279	309	352	33	58	67	75	78	65	67	81	108	125	101	104	90	93	93	70
5	103	92	74	78	86	105	101	142	138	131	132	139	151	150	144	145	148	148	139	125	86	88	74	75	117
6	86	37	63	55	77	41	145	302	117	140	128	156	128	139	109	168	139	152	149	154	8	101	101	76	110
7	29	74	79	86	71	67	111	353	324	303	298	298	300	313	324	356	14	360	7	31	100	96	71	51	23
8	308	138	103	147	347	133	134	344	321	197	205	228	269	266	79	78	131	175	146	141	91	64	109	114	133
9	94	76	105	116	120	117	341	310	327	272	291	292	49	83	63	151	157	256	14	155	73	81	91	73	78
10	87	58	42	107	98	118	133	302	290	330	350	354	323	318	291	288	268	275	299	63	76	132	114	125	19
11	108	118	102	94	88	125	154	122	147	242	281	291	290	281	275	302	285	311	278	256	87	75	76	78	133
12	57	49	57	75	90	140	57	312	319	274	272	285	285	289	297	276	248	236	229	291	46	91	88	73	335
13	87	70	103	66	41	68	100	332	304	263	237	233	237	264	225	232	217	198	205	257	293	291	287	295	256
14	300	299	290	300	25	8	296	282	268	265	261	278	257	258	301	298	332	323	316	278	274	355	356	125	299
15	70	104	107	106	86	44	14	33	271	268	287	289	276	258	286	310	287	318	10	59	40	349	345	80	355
16	314	53	48	53	63	153	110	91	121	67	48	262	188	75	270	301	281	97	67	87	77	76	92	75	74
17	60	68	64	82	55	26	183	132	209	203	113	128	138	7	38	290	306	256	276	314	52	58	82	71	70
18	20	39	153	152	46	289	309	296	291	285	305	318	339	355	13	6	132	179	161	221	278	335	304	78	325
19	301	322	324	324	316	312	312	313	317	321	316	311	312	312	313	311	313	322	321	327	321	317	326	336	317
20	291	322	316	316	306	317	287	314	333	313	282	44	21	308	290	304	313	1	79	280	50	94	93	119	330
21	83	85	120	104	76	113	152	32	142	136	133	133	138	141	136	129	127	126	126	117	114	112	119	127	119
22	132	127	144	132	134	141	145	147	149	140	142	139	207	188	247	123	131	104	129	110	116	114	125	126	138
23	130	122	129	141	147	157	133	129	140	225	325	319	320	289	299	268	284	276	228	269	241	285	283	307	240
24	284	266	73	194	225	282	255	247	243	228	213	210	202	215	223	244	213	203	226	109	306	171	76	62	224
25	42	34	76	63	61	96	123	163	340	43	242	310	285	303	145	142	134	157	195	321	317	39	327	320	42
26	70	105	127	82	113	59	138	228	141	146	142	136	154	128	152	180	209	158	75	53	276	38	52	92	121
27	95	56	129	108	75	44	143	80	278	268	286	252	272	285	325	296	286	280	309	349	88	81	75	82	7
28	47	89	81	65	104	83	176	135	147	101	74	64	115	63	179	22	322	297	323	318	294	326	88	80	71
29	76	67	63	35	67	56	33	127	35	302	12	345	337	32	321	318	319	94	137	313	345	13	118	188	29
30	20	309	265	267	272	276	280	290	292	296	309	312	301	303	301	308	311	304	306	312	314	312	311	299	301
31	294	299	296	292	294	293	288	288	296	304	300	300	316	322	324	309	306	304	306	292	293	321	353	4	306
Prev	54	59	82	86	72	80	129	338	290	267	281	287	278	292	283	293	272	256	268	309	21	56	65	75	28

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
June 2013

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	77	311	24	90	96	140	94	84	326	250	253	202	163	186	182	199	221	156	14	32	142	45	63	68	115
2	116	109	88	76	75	65	101	81	154	137	140	158	162	154	322	310	294	325	38	288	259	286	288	282	101
3	277	283	279	285	290	289	291	294	298	301	303	308	302	291	297	307	305	311	299	301	291	305	301	283	295
4	296	283	285	301	306	300	308	317	344	3	341	304	295	297	294	312	285	274	281	247	154	150	124	120	297
5	67	74	87	96	126	145	136	134	33	278	266	270	271	249	285	290	281	287	291	274	110	79	77	101	122
6	69	84	71	85	94	269	124	116	263	255	255	276	302	305	262	251	299	268	295	165	123	124	134	132	206
7	112	95	123	81	71	100	138	300	307	276	264	255	259	270	275	278	255	283	282	276	289	269	291	301	275
8	313	307	340	312	289	300	267	287	291	282	277	292	285	284	278	282	283	287	292	288	276	114	74	99	293
9	85	40	58	60	63	115	186	5	279	260	252	234	249	254	280	273	278	290	306	313	322	325	44	109	308
10	66	80	72	70	85	32	246	347	315	286	267	336	279	293	350	327	300	140	125	134	129	108	141	133	44
11	146	130	144	150	128	22	12	264	216	355	288	259	291	278	228	115	276	56	108	287	309	307	12	133	268
12	74	70	134	140	155	100	151	149	154	145	132	131	122	127	131	120	351	62	56	40	49	62	48	39	102
13	73	359	128	91	11	354	86	88	277	273	268	280	277	271	311	309	310	292	301	285	235	145	306	293	306
14	255	101	85	71	89	221	62	255	255	244	244	249	250	263	292	260	260	264	266	285	269	247	248	208	252
15	189	156	91	116	96	74	71	229	261	265	255	258	282	277	261	278	272	278	298	296	130	77	68	61	250
16	127	119	22	72	56	104	358	343	339	323	312	317	317	303	284	327	319	305	265	203	67	67	69	78	360
17	84	92	94	129	103	91	120	167	146	147	148	137	134	143	139	139	133	121	133	123	94	16	43	353	117
18	98	84	81	115	145	139	150	153	162	174	159	148	127	128	135	129	84	103	123	117	119	124	345	272	127
19	299	337	299	155	149	37	355	347	271	59	153	164	140	141	161	288	318	89	269	264	282	47	246	246	272
20	198	177	196	157	164	169	190	199	203	215	230	215	202	204	192	215	319	341	324	328	98	57	57	62	195
21	79	90	115	80	91	72	40	353	150	137	148	152	83	52	75	51	10	22	69	73	76	85	80	83	79
22	52	54	69	99	41	30	137	252	285	317	282	314	80	136	219	260	243	235	149	154	69	106	123	143	114
23	116	89	76	115	87	137	162	125	47	248	246	249	262	282	284	233	283	321	325	57	94	83	94	51	100
24	51	44	62	93	29	57	162	132	197	138	141	141	143	158	220	19	321	38	107	41	67	118	71	95	94
25	204	307	104	150	184	167	113	301	242	271	279	253	259	233	236	233	226	222	264	201	150	176	133	83	214
26	106	129	130	97	16	106	52	82	199	242	233	244	249	258	259	280	286	290	280	242	249	74	74	62	224
27	80	81	52	56	87	102	96	332	263	264	267	279	273	277	265	270	283	291	322	327	169	112	82	76	331
28	108	41	60	98	74	115	299	16	340	276	287	270	295	271	293	307	322	283	302	286	129	43	87	121	340
29	90	87	102	81	74	106	6	279	11	317	331	268	293	288	270	34	73	114	113	135	118	117	144	78	72
30	89	119	128	111	101	97	125	249	69	316	262	253	259	266	303	327	321	352	34	41	131	116	58	44	57
Prev	94	77	85	98	88	93	107	306	270	266	252	249	255	252	262	284	294	304	313	287	126	87	71	84	331

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
April 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	77	41	59	41	22	19	26	62	68	69	7	7	9	8	14	11	9	8	6	65	54	40	16	17	31	77	6
2	16	19	30	39	50	34	52	38	63	49	68	27	15	20	17	17	15	14	12	65	11	34	37	69	34	69	11
3	49	24	53	48	40	43	60	54	36	37	25	21	25	23	27	23	25	17	72	25	18	13	12	21	33	72	12
4	25	47	32	24	35	47	61	23	89	28	68	33	19	17	42	22	12	12	12	56	65	20	12	80	37	89	12
5	68	31	28	38	43	51	48	55	13	14	14	14	17	17	14	16	14	10	10	10	11	17	10	15	24	68	10
6	11	31	22	56	24	59	49	30	78	17	16	21	18	15	16	19	73	95	10	35	18	68	40	56	37	95	10
7	13	83	78	20	50	31	14	27	14	28	14	27	14	80	33	48	76	48	57	43	16	11	13	17	36	83	11
8	51	9	9	12	9	6	7	8	17	9	16	46	5	5	12	7	6	6	9	47	65	20	74	89	23	89	5
9	92	78	100	74	69	74	74	57	60	48	24	31	50	32	22	15	21	20	12	6	18	10	16	51	44	100	6
10	36	31	14	35	55	27	74	52	87	63	18	18	21	15	18	22	16	44	26	65	47	14	9	12	34	87	9
11	20	13	9	8	19	17	10	10	13	13	15	16	15	18	15	15	13	11	10	10	10	9	18	9	13	20	8
12	7	14	11	10	19	14	17	14	14	23	25	48	23	26	34	44	34	17	10	12	12	18	11	8	19	48	7
13	9	10	26	13	19	16	24	66	24	13	16	16	18	12	10	13	13	15	10	10	9	28	55	89	22	89	9
14	9	13	14	11	11	12	8	9	10	10	12	13	12	13	9	11	9	10	9	11	18	10	9	25	12	25	8
15	40	30	40	40	66	55	44	64	39	29	14	20	73	31	15	15	13	13	12	84	88	38	68	56	41	88	12
16	13	44	52	23	43	39	29	92	15	11	15	44	29	41	21	17	11	11	15	71	13	20	25	33	30	92	11
17	20	15	24	82	56	36	81	9	10	16	18	23	41	23	29	26	26	12	27	64	13	10	9	12	28	82	9
18	9	16	19	17	31	31	94	57	58	21	20	17	14	16	15	15	10	14	9	9	13	8	19	71	25	94	8
19	20	66	67	24	18	47	72	91	86	37	24	17	19	36	41	35	18	16	95	16	41	73	99	74	47	99	16
20	33	ND	ND	ND	ND	ND	56	41	14	10	10	11	13	13	16	13	10	12	11	11	11	10	15	8	17	56	8
21	19	11	34	15	16	14	16	9	15	21	32	20	29	32	24	46	41	31	33	67	51	30	86	84	32	86	9
22	40	67	45	65	52	40	102	13	19	53	22	58	30	18	17	20	32	26	13	16	68	12	19	9	36	102	9
23	10	9	12	12	15	14	38	54	90	28	18	20	24	21	22	11	14	20	12	21	49	16	84	43	27	90	9
24	8	17	20	80	23	12	10	13	21	18	26	25	25	16	16	22	13	13	11	11	20	11	11	15	19	80	8
25	16	9	13	11	7	10	12	12	16	14	15	20	18	15	17	17	21	12	11	17	75	14	31	30	18	75	7
26	36	27	47	48	57	36	24	48	14	14	21	19	22	21	16	17	12	12	10	11	63	17	28	39	27	63	10
27	57	48	12	19	34	94	56	16	16	16	14	17	16	15	14	12	11	12	10	12	10	8	10	14	23	94	8
28	13	14	16	13	10	10	11	12	16	27	14	22	15	19	23	20	17	14	10	10	15	13	9	16	15	27	9
29	15	10	59	69	65	78	11	14	16	14	15	11	16	14	13	13	15	12	11	12	10	10	26	15	23	78	10
30	29	31	11	99	73	13	13	14	20	27	15	17	13	19	32	19	16	19	17	25	15	49	41	42	28	99	11
Avg	29	30	33	36	36	34	40	35	35	26	21	23	22	22	20	20	21	19	19	31	31	22	30	37	28	77	9
Max	92	83	100	99	73	94	102	92	90	69	68	58	73	80	42	48	76	95	95	84	88	73	99	89	47	102	16
Min	7	9	9	8	7	6	7	8	10	9	7	7	5	5	9	7	6	6	6	6	9	8	9	8	12	20	5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
May 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	15	35	32	30	26	27	71	52	60	31	22	31	21	45	23	68	35	21	20	11	49	16	27	45	34	71	11
2	57	47	52	41	34	24	52	96	58	22	27	29	24	19	21	20	23	17	11	43	18	18	28	44	34	96	11
3	46	70	58	57	82	88	80	96	29	14	32	39	54	65	60	25	11	10	14	11	11	37	20	31	43	96	10
4	62	68	81	59	80	69	21	20	19	35	16	16	16	18	21	22	17	22	23	15	12	17	9	11	31	81	9
5	14	13	11	5	22	23	64	15	13	15	16	12	15	14	13	19	13	12	11	13	17	10	44	61	19	64	5
6	56	64	59	17	44	51	74	63	55	24	44	69	62	45	95	40	27	25	10	13	61	77	49	41	49	95	10
7	92	40	17	13	18	21	51	73	57	15	16	11	13	12	22	23	11	15	15	39	62	22	15	32	29	92	11
8	77	29	47	55	40	44	84	67	85	44	68	83	56	91	13	15	29	31	9	25	31	24	67	43	48	91	9
9	37	51	49	51	62	35	70	56	61	54	38	40	64	31	37	15	16	58	80	86	52	17	23	23	46	86	15
10	23	32	34	28	50	58	86	13	11	30	18	17	15	18	49	39	18	15	37	25	11	66	30	31	31	86	11
11	15	24	13	14	14	16	48	79	29	92	46	22	20	24	24	16	25	27	18	20	58	8	10	18	28	92	8
12	30	26	30	40	38	56	74	82	63	16	20	14	14	18	15	19	13	16	27	11	72	31	22	22	32	82	11
13	67	71	57	46	34	36	81	70	53	25	24	24	27	19	19	14	21	16	10	30	13	11	13	9	33	81	9
14	7	10	11	24	75	62	26	10	17	16	18	23	18	25	16	16	18	12	9	22	31	58	79	40	27	79	7
15	79	28	45	37	33	60	35	29	65	27	50	68	62	42	17	47	46	39	38	15	45	67	75	62	46	79	15
16	50	46	25	29	46	54	22	15	54	43	81	31	42	22	74	41	45	59	36	20	11	35	33	20	39	81	11
17	28	18	21	40	57	85	75	40	85	43	28	33	25	59	89	30	13	51	69	14	60	53	10	9	43	89	9
18	22	64	84	67	73	16	23	16	26	11	21	13	27	26	11	19	62	8	9	45	27	29	30	100	35	100	8
19	17	16	14	14	13	11	10	11	8	9	9	10	9	12	10	8	9	8	7	14	10	12	7	10	11	17	7
20	90	12	7	9	15	12	20	27	12	12	9	77	53	15	19	24	18	72	45	90	49	14	13	33	31	90	7
21	21	26	27	81	75	33	21	78	25	14	14	12	13	14	12	15	14	13	13	13	17	17	16	17	25	81	12
22	14	16	10	34	17	12	15	10	10	10	12	43	69	91	84	43	16	15	15	20	14	16	16	15	26	91	10
23	17	17	13	21	20	21	9	11	14	60	8	11	27	22	16	15	16	16	26	13	15	27	52	53	22	60	8
24	47	12	72	89	41	21	41	12	12	17	20	15	17	17	17	15	21	20	13	24	53	82	15	13	29	89	12
25	37	33	39	24	44	46	74	81	50	54	67	42	53	23	72	15	10	48	52	27	55	38	91	78	48	91	10
26	29	25	22	44	32	36	14	79	33	12	13	17	21	42	50	16	24	91	13	19	38	75	50	46	35	91	12
27	52	35	32	20	49	58	40	67	28	15	55	31	23	14	11	16	23	25	17	46	29	17	24	15	31	67	11
28	27	48	50	63	28	57	58	45	9	17	20	13	25	64	59	49	32	36	18	24	75	97	35	14	40	97	9
29	19	51	74	78	32	28	41	52	82	76	57	59	55	49	31	17	40	25	42	15	39	79	87	74	50	87	15
30	56	23	11	11	9	9	9	9	9	10	10	9	12	11	9	9	9	9	9	8	7	6	14	10	12	56	6
31	10	10	8	9	8	8	9	8	9	9	11	10	12	10	10	11	9	7	9	10	13	33	45	42	13	45	7
Avg	39	34	36	37	39	38	45	45	37	28	29	30	31	32	33	24	22	27	23	25	34	36	34	34	33	81	10
Max	92	71	84	89	82	88	86	96	85	92	81	83	69	91	95	68	62	91	80	90	75	97	91	100	50	100	15
Min	7	10	7	5	8	8	9	8	8	9	8	9	9	10	9	8	9	7	7	8	7	6	7	9	11	17	5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
June 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	75	48	78	21	16	53	90	62	61	58	26	60	34	29	36	22	35	62	49	97	12	44	12	40	47	97	12
2	18	56	39	47	9	26	16	25	13	24	25	45	26	61	74	10	16	44	84	56	43	11	9	9	33	84	9
3	9	9	9	9	10	9	10	10	10	9	9	10	10	12	13	11	10	10	7	10	13	6	10	19	10	19	6
4	12	12	10	16	43	9	14	18	31	17	33	49	14	21	17	16	17	20	27	33	10	13	34	25	21	49	9
5	56	15	25	55	23	38	56	93	59	70	21	24	35	26	38	23	27	27	17	59	24	17	13	17	36	93	13
6	14	21	32	48	45	100	73	76	27	31	26	26	33	33	61	31	31	32	72	24	43	38	22	17	40	100	14
7	18	9	20	41	26	51	74	99	61	18	19	16	12	14	13	12	15	15	12	11	12	12	15	24	26	99	9
8	16	16	17	34	24	38	40	49	15	17	17	15	33	24	23	19	20	15	11	8	11	69	38	18	24	69	8
9	20	29	35	36	24	48	70	54	23	18	18	24	27	24	18	16	13	12	14	15	9	6	92	39	29	92	6
10	44	50	21	22	44	63	97	71	52	23	49	34	43	47	42	29	78	10	13	27	28	33	23	30	41	97	10
11	44	43	69	36	95	88	96	56	69	92	38	46	56	14	26	34	47	70	70	26	12	69	84	71	56	96	12
12	57	77	42	57	68	65	64	13	14	9	11	15	18	20	11	15	60	86	23	67	77	58	32	76	43	86	9
13	59	71	53	24	47	81	98	71	20	18	37	14	12	15	19	19	20	16	15	13	33	45	102	50	40	102	12
14	78	55	28	28	28	95	87	58	13	13	11	15	16	17	30	12	12	14	12	9	13	12	24	45	30	95	9
15	48	70	50	28	41	53	57	60	16	21	19	22	23	16	20	18	20	18	10	38	24	12	34	70	33	70	10
16	64	64	86	53	61	42	77	88	51	62	33	37	33	37	21	18	31	31	23	53	10	8	7	7	42	88	7
17	12	27	82	25	34	20	30	43	9	8	9	12	16	26	22	11	11	16	10	13	46	75	31	78	28	82	8
18	33	18	33	43	11	16	11	8	8	13	19	28	19	17	9	13	32	20	12	12	12	28	85	70	24	85	8
19	47	91	79	38	56	67	77	47	62	93	11	16	9	9	66	21	81	95	16	86	63	80	33	30	53	95	9
20	12	16	11	22	12	10	11	14	11	14	12	12	16	28	17	42	19	22	36	57	30	24	28	54	22	57	10
21	58	52	25	50	29	46	82	68	17	24	16	28	94	47	42	38	22	46	20	9	10	15	26	23	37	94	9
22	27	23	16	33	67	86	22	82	32	13	16	18	51	30	69	23	28	35	26	25	48	42	40	24	37	86	13
23	18	44	36	35	38	36	45	47	96	19	16	20	25	35	58	36	49	22	10	76	26	20	33	38	37	96	10
24	40	34	20	15	26	66	82	91	91	11	11	9	14	24	29	86	75	49	38	58	41	39	29	17	41	91	9
25	69	57	50	60	58	53	61	73	15	21	19	22	20	24	18	23	13	17	30	29	33	71	71	64	40	73	13
26	25	28	37	33	100	36	50	55	53	17	16	18	16	17	18	13	10	12	16	20	40	45	32	38	31	100	10
27	30	55	72	57	50	62	55	51	12	15	15	17	15	16	14	20	18	16	18	9	72	40	30	33	33	72	9
28	30	42	43	26	22	36	58	79	46	68	20	26	24	30	43	29	25	29	21	64	42	76	91	53	43	91	20
29	32	38	34	37	34	32	41	45	51	26	82	63	28	31	37	35	38	31	38	34	22	28	37	10	37	82	10
30	25	33	24	28	20	37	30	93	85	76	72	47	26	30	30	10	16	33	13	57	46	33	68	43	41	93	10
Avg	36	40	39	35	39	49	56	57	37	31	24	26	27	26	31	24	30	31	25	37	30	36	40	38	35	84	10
Max	78	91	86	60	100	100	98	99	96	93	82	63	94	61	74	86	81	95	84	97	77	80	102	78	56	102	20
Min	9	9	9	9	9	9	10	8	8	8	9	9	9	9	9	10	10	10	7	8	9	6	7	7	10	19	6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
April 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-2.7	-3.2	-4.3	-4.6	-4.9	-5.5	-6.5	-5.3	-2.2	3.7	5.5	6.2	6.9	7.7	8.4	8.9	8.9	8.4	6.9	5.2	5.2	4.2	3.0	0.9	2.1	8.9	-6.5
2	-0.6	-2.4	-3.7	-4.6	-5.0	-5.5	-5.8	-4.4	-0.7	3.6	7.6	8.9	10.2	11.4	12.2	12.6	12.9	12.7	11.2	7.3	3.3	1.5	-0.2	-0.6	3.4	12.9	-5.8
3	0.4	2.8	0.6	-0.1	-2.1	-2.4	-2.8	-2.1	2.3	6.6	7.7	8.0	8.5	8.8	8.7	9.1	9.5	9.6	8.4	5.1	4.6	3.8	2.9	1.5	4.1	9.6	-2.8
4	-0.5	-0.9	-1.2	-1.5	-1.6	-1.6	-2.2	-1.3	2.6	6.7	9.4	10.7	11.4	11.9	12.3	12.3	12.3	11.9	10.1	7.7	5.7	5.7	5.0	4.6	5.4	12.3	-2.2
5	3.9	2.4	0.6	0.0	-0.8	-1.2	0.8	4.3	4.5	5.4	6.2	7.2	7.6	8.2	9.2	9.2	9.0	8.5	8.0	6.8	5.4	4.8	3.9	3.6	4.9	9.2	-1.2
6	3.6	3.2	3.1	1.5	0.4	-0.1	-0.4	1.9	4.8	6.0	6.2	6.7	6.9	6.7	6.2	5.0	3.5	3.2	2.1	2.4	1.4	0.3	-0.2	0.0	3.1	6.9	-0.4
7	1.2	0.2	-0.6	-0.3	-0.7	-0.7	-0.2	0.0	0.7	1.7	2.6	4.2	4.5	4.6	2.7	2.3	3.3	3.2	1.1	0.3	-0.6	-2.7	-4.1	-4.9	0.7	4.6	-4.9
8	-5.3	-5.7	-6.0	-6.5	-6.8	-7.3	-7.6	-7.9	-7.3	-7.3	-6.5	-7.1	-8.1	-8.5	-8.6	-9.0	-9.5	-9.7	-9.9	-10.4	-11.0	-13.2	-14.8	-15.2	-8.7	-5.3	-15.2
9	-16.5	-16.9	-18.6	-19.2	-20.0	-19.6	-20.3	-19.4	-16.4	-11.5	-8.6	-6.9	-6.1	-5.2	-4.9	-4.1	-3.5	-3.3	-4.3	-6.4	-7.7	-8.5	-8.3	-8.6	-11.0	-3.3	-20.3
10	-9.5	-10.8	-11.4	-10.4	-10.9	-12.0	-11.0	-8.6	-6.0	-2.8	-0.6	0.6	2.0	3.4	4.7	5.7	6.1	6.4	5.4	4.2	4.1	4.2	4.2	3.0	-1.7	6.4	-12.0
11	2.5	2.6	2.5	2.2	1.6	1.2	1.0	1.0	1.4	2.5	3.2	4.6	5.2	5.5	5.0	5.2	4.8	4.0	3.0	1.9	1.3	0.6	-0.2	-1.0	2.6	5.5	-1.0
12	-1.4	-2.1	-2.6	-2.7	-3.0	-3.1	-3.3	-3.0	-2.1	-1.2	-0.5	0.6	1.7	2.6	3.6	4.0	4.8	5.2	4.4	3.3	2.9	2.2	1.8	1.1	0.6	5.2	-3.3
13	1.3	0.8	-0.5	-0.9	0.0	0.7	0.8	0.6	0.0	1.0	1.0	1.7	3.1	2.4	1.9	1.3	0.4	0.0	-1.8	-2.6	-3.4	-4.7	-5.5	-5.4	-0.3	3.1	-5.5
14	-5.2	-5.6	-5.2	-5.9	-6.6	-7.1	-7.2	-6.9	-6.8	-6.3	-5.4	-4.8	-4.3	-4.0	-4.2	-4.6	-5.0	-5.3	-6.3	-6.9	-7.5	-8.0	-8.4	-8.9	-6.1	-4.0	-8.9
15	-9.5	-10.0	-10.8	-11.5	-12.2	-12.1	-11.5	-10.0	-9.0	-7.6	-6.7	-5.8	-5.2	-5.1	-5.0	-4.7	-5.0	-5.4	-6.4	-7.5	-8.2	-8.7	-9.3	-10.7	-8.2	-4.7	-12.2
16	-12.1	-12.5	-13.2	-13.7	-14.3	-14.2	-12.8	-10.1	-7.8	-7.2	-6.4	-5.5	-4.9	-4.5	-4.7	-4.8	-4.9	-5.8	-6.8	-7.7	-8.0	-8.7	-9.5	-11.1	-8.8	-4.5	-14.3
17	-13.0	-13.8	-13.7	-13.6	-13.0	-13.0	-12.1	-9.7	-8.7	-7.8	-6.9	-6.1	-5.5	-4.6	-4.0	-3.6	-2.9	-3.0	-3.4	-4.6	-6.9	-9.1	-10.3	-11.4	-8.4	-2.9	-13.8
18	-12.0	-12.7	-13.3	-13.6	-14.0	-14.6	-13.7	-9.3	-3.8	-1.6	-0.1	1.4	2.3	3.2	3.9	4.9	4.5	4.6	3.9	3.5	2.8	2.2	0.8	-0.4	-3.0	4.9	-14.6
19	-0.4	-1.1	-1.4	-3.1	-4.4	-5.0	-5.0	-3.1	-1.4	-0.4	0.4	1.4	1.7	2.2	2.4	1.8	2.0	2.2	3.2	3.3	3.0	2.0	0.5	-0.6	0.0	3.3	-5.0
20	-1.9	-2.2	-3.2	-3.2	-3.1	-1.7	0.4	1.0	2.3	3.1	4.1	5.0	5.9	6.7	7.3	7.1	7.1	6.3	5.4	4.4	3.9	3.2	2.4	0.3	2.5	7.3	-3.2
21	-1.5	-2.7	-3.4	-4.0	-4.7	-5.3	-5.2	-4.8	-4.4	-3.8	-3.3	-3.5	-3.2	-2.5	-3.1	-4.7	-5.6	-6.6	-7.0	-7.4	-7.5	-7.9	-7.8	-7.8	-4.9	-1.5	-7.9
22	-8.0	-8.4	-8.7	-9.0	-8.8	-9.1	-9.1	-7.5	-6.4	-6.1	-6.5	-6.2	-5.3	-4.7	-4.5	-3.8	-2.8	-2.4	-2.9	-4.8	-7.6	-9.8	-11.0	-12.2	-6.9	-2.4	-12.2
23	-13.2	-13.7	-14.3	-14.8	-15.1	-15.3	-14.0	-9.7	-5.4	-2.8	-1.7	0.1	1.4	2.0	2.0	1.9	1.8	1.4	0.7	-0.6	-1.5	-1.6	-2.5	-3.9	-4.9	2.0	-15.3
24	-5.7	-6.4	-5.7	-4.8	-4.1	-3.8	-3.4	-3.0	-2.0	-0.1	1.2	2.9	4.3	5.4	6.7	8.0	8.7	8.7	8.0	6.8	6.0	5.8	5.3	5.0	1.8	8.7	-6.4
25	4.4	4.5	3.4	4.0	3.2	3.4	4.1	4.4	5.4	6.7	7.5	8.2	9.1	10.1	11.1	11.8	12.0	11.4	10.7	9.5	7.2	4.5	1.8	-0.3	6.6	12.0	-0.3
26	-1.5	-2.4	-3.2	-3.7	-4.2	-4.6	-3.2	1.0	7.2	8.9	10.3	11.4	12.5	13.4	14.4	15.2	15.4	15.1	14.0	11.9	7.6	4.1	3.1	1.5	6.0	15.4	-4.6
27	0.9	5.5	8.5	9.3	8.8	7.2	8.4	10.4	11.6	11.2	11.7	13.5	14.9	15.2	16.3	15.5	15.0	14.3	13.4	12.5	11.4	10.7	9.8	8.8	11.0	16.3	0.9
28	7.9	7.4	7.2	6.9	6.4	6.2	5.9	6.1	7.2	7.7	8.3	8.8	9.4	10.4	10.6	11.1	11.3	10.8	9.7	8.3	7.1	6.1	5.2	5.8	8.0	11.3	5.2
29	5.3	4.8	3.7	0.8	1.0	1.9	5.3	5.4	5.9	6.4	7.4	7.6	8.6	9.1	8.5	6.9	4.8	4.0	2.9	1.5	0.4	-0.4	-1.6	-2.8	4.1	9.1	-2.8
30	-3.1	-3.1	-3.9	-4.4	-4.6	-4.4	-4.0	-3.6	-2.7	-2.8	-2.5	-1.7	-2.0	-1.1	-1.3	-1.3	-1.2	-1.7	-2.5	-3.6	-4.8	-6.4	-7.3	-7.8	-3.4	-1.1	-7.8
Avg	-3.1	-3.4	-4.0	-4.4	-4.8	-5.0	-4.5	-3.1	-1.2	0.4	1.5	2.4	3.1	3.7	3.9	4.0	3.9	3.6	2.7	1.4	0.3	-0.8	-1.7	-2.6	-0.3	4.8	-6.8
Max	7.9	7.4	8.5	9.3	8.8	7.2	8.4	10.4	11.6	11.2	11.7	13.5	14.9	15.2	16.3	15.5	15.4	15.1	14.0	12.5	11.4	10.7	9.8	8.8	11.0	16.3	5.2
Min	-16.5	-16.9	-18.6	-19.2	-20.0	-19.6	-20.3	-19.4	-16.4	-11.5	-8.6	-7.1	-8.1	-8.5	-8.6	-9.0	-9.5	-9.7	-9.9	-10.4	-11.0	-13.2	-14.8	-15.2	-11.0	-5.3	-20.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
May 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-8.1	-8.9	-9.2	-10.3	-10.5	-11.0	-9.1	-5.6	-2.9	-1.8	-1.0	0.1	0.6	0.3	1.4	1.1	2.9	2.7	2.0	1.2	-0.5	-3.0	-4.7	-5.8	-3.3	2.9	-11.0
2	-6.9	-7.8	-8.5	-9.7	-9.0	-9.8	-7.6	-2.6	2.3	4.2	5.5	7.4	8.9	10.3	11.5	11.6	11.6	12.2	12.1	9.4	4.9	1.6	-0.4	-1.7	2.1	12.2	-9.8
3	-2.1	-3.0	-2.9	-3.0	-3.3	-2.2	-0.8	1.1	5.3	6.1	6.3	4.9	5.9	4.8	5.4	5.2	5.3	4.6	3.6	2.8	2.1	1.9	1.7	1.7	2.1	6.3	-3.3
4	1.6	1.2	1.2	0.8	0.9	1.7	2.8	3.5	4.4	5.4	5.9	6.3	6.4	7.5	7.6	8.1	7.6	7.4	5.8	5.6	5.6	4.8	4.2	3.7	4.6	8.1	0.8
5	3.4	1.8	1.2	0.9	-1.4	-1.9	0.7	6.4	7.6	8.6	9.6	10.2	11.2	12.0	12.7	13.3	13.1	12.9	12.1	10.7	7.6	5.7	5.1	2.6	6.9	13.3	-1.9
6	0.9	0.7	0.3	0.3	-0.9	-2.1	0.0	5.1	10.9	12.3	13.4	14.3	15.4	16.0	16.6	17.2	17.0	16.7	16.4	13.8	12.6	11.5	10.6	8.8	9.5	17.2	-2.1
7	6.7	3.9	2.4	1.6	1.3	1.0	2.0	7.3	13.0	13.5	13.8	14.1	14.6	15.4	16.2	16.7	16.5	15.9	15.2	13.5	12.0	10.9	10.0	9.4	10.3	16.7	1.0
8	7.2	3.9	2.1	1.3	0.6	0.0	2.2	7.1	11.4	13.9	15.0	15.6	15.6	16.1	13.8	13.8	16.2	16.5	15.6	13.4	11.7	9.9	7.9	7.2	9.9	16.5	0.0
9	5.4	4.5	3.7	3.1	1.8	1.4	2.9	7.3	12.2	15.1	16.2	16.9	16.9	17.1	17.8	16.7	15.7	14.8	13.5	12.5	8.9	6.5	4.3	3.3	9.9	17.8	1.4
10	1.8	1.0	0.0	-0.4	-0.9	-1.2	3.9	8.3	8.2	9.1	8.9	10.0	11.6	13.1	14.6	15.2	15.3	14.8	14.0	11.7	9.2	6.9	5.8	5.2	7.8	15.3	-1.2
11	5.3	4.5	4.1	1.6	0.1	-1.8	1.1	6.8	11.4	13.7	14.9	16.0	17.1	18.5	18.9	19.5	19.4	18.8	18.7	17.1	13.7	10.3	8.1	6.0	11.0	19.5	-1.8
12	5.5	3.9	3.5	2.8	2.0	2.1	3.9	8.9	15.3	18.4	19.7	20.8	21.1	21.8	22.2	22.4	22.4	21.7	21.2	20.3	16.5	12.1	9.8	8.6	13.6	22.4	2.0
13	7.5	7.4	7.4	6.0	6.3	5.0	5.9	11.3	16.4	18.4	21.0	21.8	22.5	23.1	24.1	24.4	24.3	23.6	23.2	22.5	17.9	15.8	13.8	11.0	15.9	24.4	5.0
14	9.2	7.8	7.4	6.5	4.9	5.6	6.9	8.1	9.0	9.8	11.2	12.5	14.2	15.4	15.2	14.7	15.4	15.0	13.8	12.9	11.7	10.3	8.2	6.7	10.5	15.4	4.9
15	5.8	4.0	1.9	0.5	-1.2	-0.9	2.5	7.9	9.8	11.1	12.3	13.3	14.6	15.2	15.2	15.1	15.1	15.3	14.0	12.7	11.8	11.1	10.0	9.3	9.4	15.3	-1.2
16	7.7	7.0	6.5	5.2	4.5	4.7	5.5	6.2	8.1	9.9	11.5	12.0	8.4	9.4	11.7	12.9	12.1	9.4	8.0	7.5	7.1	6.5	5.4	4.5	8.0	12.9	4.5
17	3.5	2.5	2.1	1.6	0.4	0.5	1.4	3.9	7.3	9.6	10.5	10.3	9.8	9.3	9.7	9.4	8.9	8.3	7.7	7.3	7.0	6.6	6.3	5.8	6.2	10.5	0.4
18	5.8	5.9	5.9	5.8	5.9	5.8	5.9	6.5	7.4	8.1	8.2	8.9	9.6	10.1	10.6	10.7	10.0	8.8	8.1	7.8	6.9	6.2	6.4	6.6	7.6	10.7	5.8
19	6.3	6.2	6.3	6.0	5.7	5.8	5.9	6.1	6.0	6.0	5.9	6.1	6.5	7.0	7.4	7.6	7.9	7.6	7.0	7.1	7.0	6.7	6.2	6.1	6.5	7.9	5.7
20	6.2	6.4	6.2	6.2	6.0	5.9	6.1	6.8	7.5	7.6	7.4	7.5	7.0	7.3	8.7	10.2	10.6	10.8	9.2	8.5	7.3	6.2	4.5	2.5	7.2	10.8	2.5
21	1.4	0.6	-0.6	-1.2	-0.8	-0.7	1.9	6.8	10.4	11.8	12.7	13.6	14.2	14.8	15.4	15.5	15.2	14.6	13.2	11.4	9.8	9.0	7.9	6.8	8.5	15.5	-1.2
22	6.1	5.7	5.1	4.7	4.6	4.6	5.3	5.7	6.2	5.9	6.4	7.1	7.2	8.1	9.1	9.7	9.3	9.9	9.6	8.8	9.0	8.6	8.3	7.4	7.2	9.9	4.6
23	7.0	6.7	6.7	6.2	6.0	6.0	6.1	6.1	6.1	5.2	4.7	5.5	6.2	6.7	6.9	6.7	5.9	6.1	6.2	5.7	4.5	4.3	3.8	3.8	5.8	7.0	3.8
24	3.5	2.5	1.9	1.8	1.7	1.5	2.1	3.2	4.4	5.8	6.9	7.9	9.3	10.2	10.8	11.0	11.6	11.5	11.1	8.6	8.1	6.7	4.5	2.9	6.2	11.6	1.5
25	1.8	0.5	-0.1	-1.1	-2.0	-2.0	0.3	4.5	8.3	10.3	11.9	12.4	12.9	12.8	13.5	14.5	13.8	13.4	12.8	11.0	9.8	8.3	7.8	6.3	7.6	14.5	-2.0
26	5.4	5.4	4.4	4.2	3.0	2.9	4.2	7.8	11.4	12.5	12.9	13.6	14.5	14.3	15.1	15.2	14.8	11.0	10.0	9.6	7.1	5.7	4.9	3.3	8.9	15.2	2.9
27	2.6	2.1	1.3	0.4	0.0	-0.4	0.8	4.8	7.2	7.7	7.1	6.2	7.8	8.2	8.2	9.7	10.3	10.9	11.4	10.3	6.5	4.9	3.8	2.8	5.6	11.4	-0.4
28	2.9	2.0	2.8	3.1	3.6	3.9	4.7	5.7	6.0	6.0	6.3	7.6	8.4	9.1	8.0	8.8	9.8	10.4	9.8	8.6	7.8	7.3	5.9	5.1	6.4	10.4	2.0
29	5.1	5.1	5.0	5.0	4.9	4.5	4.9	5.5	6.9	8.3	8.9	8.7	8.3	8.0	8.1	7.9	8.2	8.6	8.8	8.4	8.1	7.2	6.5	6.1	7.0	8.9	4.5
30	5.8	6.2	6.1	4.9	4.5	4.6	4.4	4.2	4.1	4.4	4.9	5.7	6.0	6.4	6.7	6.2	5.7	5.9	5.9	6.0	5.6	5.1	4.7	4.3	5.3	6.7	4.1
31	4.3	4.2	3.4	2.9	2.7	2.6	2.8	3.0	3.7	4.3	5.2	5.7	6.1	6.3	6.0	5.7	5.2	4.5	4.4	4.3	4.0	3.8	3.9	3.5	4.3	6.3	2.6
Avg	3.8	3.0	2.5	1.9	1.3	1.2	2.6	5.4	7.9	9.1	9.8	10.4	10.9	11.4	11.9	12.2	12.2	11.8	11.1	10.0	8.4	7.1	6.0	5.0	7.4	12.7	0.8
Max	9.2	7.8	7.4	6.5	6.3	6.0	6.9	11.3	16.4	18.4	21.0	21.8	22.5	23.1	24.1	24.4	24.3	23.6	23.2	22.5	17.9	15.8	13.8	11.0	15.9	24.4	5.8
Min	-8.1	-8.9	-9.2	-10.3	-10.5	-11.0	-9.1	-5.6	-2.9	-1.8	-1.0	0.1	0.6	0.3	1.4	1.1	2.9	2.7	2.0	1.2	-0.5	-3.0	-4.7	-5.8	-3.3	2.9	-11.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
June 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	3.5	3.4	3.4	3.3	3.3	3.4	3.7	5.4	7.2	8.7	9.7	10.9	11.7	12.8	13.2	13.5	13.6	13.9	13.4	12.0	11.4	10.4	10.1	9.1	8.8	13.9	3.3
2	8.4	8.6	8.4	7.8	7.0	7.1	7.7	10.0	11.5	13.1	13.9	14.0	13.3	12.2	9.3	9.7	9.2	8.2	7.1	6.6	6.6	6.3	6.0	5.8	9.1	14.0	5.8
3	5.3	4.7	4.1	3.2	2.4	1.9	1.5	2.3	3.5	3.8	4.2	3.9	4.3	4.7	4.6	4.9	4.4	4.3	4.2	3.8	3.2	2.7	2.2	1.9	3.6	5.3	1.5
4	1.6	1.7	1.7	1.6	1.4	1.4	1.9	2.3	3.1	3.7	4.3	4.8	5.5	6.7	7.6	7.9	8.7	8.7	8.7	7.7	5.3	4.3	3.7	1.7	4.4	8.7	1.4
5	0.2	-0.5	-1.6	-2.3	-2.8	-3.0	-0.2	4.7	8.1	10.4	11.6	12.8	13.6	14.7	15.7	16.4	16.8	17.0	17.0	15.5	10.7	8.6	7.1	5.4	8.2	17.0	-3.0
6	5.0	3.9	3.3	2.7	2.3	2.6	5.4	10.3	14.3	15.2	16.0	16.9	17.4	18.3	19.0	19.5	19.7	20.0	19.9	17.9	15.9	14.4	13.2	11.9	12.7	20.0	2.3
7	10.7	8.7	6.2	5.9	5.7	5.2	7.5	11.5	15.9	17.4	18.4	19.6	19.5	19.4	19.1	19.5	19.4	18.8	18.8	18.1	16.1	12.6	12.6	11.2	14.1	19.6	5.2
8	10.8	11.7	10.0	8.8	8.6	8.5	8.7	10.8	12.3	13.5	14.6	15.3	16.1	17.0	18.1	18.5	19.0	18.8	18.0	17.3	16.3	12.2	8.5	6.8	13.3	19.0	6.8
9	5.2	4.0	3.7	2.5	2.2	1.6	5.4	11.3	14.6	15.7	17.3	18.5	19.7	20.9	21.7	22.6	22.7	22.2	20.7	19.0	17.3	15.2	12.9	9.1	13.6	22.7	1.6
10	6.1	4.4	3.9	2.4	0.6	1.3	4.4	9.8	13.7	15.0	15.9	17.0	18.4	19.2	20.1	20.9	21.3	20.0	18.9	17.6	16.2	15.2	14.2	13.9	12.9	21.3	0.6
11	13.3	12.4	11.8	11.3	10.3	10.1	10.9	13.3	14.3	12.2	12.2	12.1	14.2	15.4	14.8	14.2	13.6	12.4	12.7	11.7	10.8	10.0	8.5	7.8	12.1	15.4	7.8
12	7.2	7.1	7.2	5.5	4.4	4.2	9.6	12.6	13.3	13.8	14.1	15.4	17.3	19.0	19.0	16.7	13.4	10.2	10.6	10.7	10.7	11.6	10.7	9.7	11.4	19.0	4.2
13	9.8	7.8	9.7	8.9	6.0	6.1	7.3	9.7	10.9	9.7	11.2	12.5	13.1	12.6	10.2	8.7	9.8	8.7	9.1	8.1	7.5	7.3	7.0	7.0	9.1	13.1	6.0
14	6.0	3.9	2.3	1.5	1.2	1.6	2.5	5.1	6.9	7.7	8.3	8.8	9.2	9.6	9.9	11.5	11.7	11.3	10.8	9.8	8.6	7.4	7.1	5.6	7.0	11.7	1.2
15	5.0	5.0	2.9	1.2	-0.5	0.1	3.6	8.4	9.9	11.3	12.5	13.5	14.5	15.5	16.3	17.1	17.5	17.7	17.3	15.7	10.5	7.8	6.0	3.5	9.7	17.7	-0.5
16	3.0	2.0	1.5	0.9	0.2	0.6	3.7	8.7	13.3	15.2	15.9	16.8	17.4	17.9	18.2	17.8	18.4	18.7	18.1	16.3	13.9	12.2	11.5	10.9	11.4	18.7	0.2
17	9.8	7.2	6.4	5.6	5.9	6.6	10.3	13.5	15.0	15.9	16.9	18.2	19.4	20.2	20.7	19.9	19.0	20.0	19.7	18.7	17.4	16.9	16.3	14.0	14.7	20.7	5.6
18	13.8	13.8	13.0	14.1	11.8	11.5	14.1	15.7	17.8	19.9	21.3	23.1	24.8	25.2	23.2	21.5	20.9	21.2	21.4	21.3	20.8	20.2	18.6	16.5	18.6	25.2	11.5
19	13.9	12.5	11.5	8.9	7.3	6.6	10.0	12.5	15.4	18.3	20.3	21.2	22.3	22.4	17.3	14.5	14.3	12.0	7.6	7.4	7.2	6.5	6.2	6.0	12.6	22.4	6.0
20	5.7	5.5	5.7	5.4	5.3	5.9	6.7	7.8	7.5	7.5	7.9	7.8	6.5	8.3	10.2	11.7	10.4	11.1	11.1	9.5	6.9	5.6	4.7	4.2	7.5	11.7	4.2
21	4.5	4.5	3.6	2.2	1.5	1.3	2.9	7.2	10.7	11.4	11.5	11.5	9.3	9.4	10.3	10.3	11.7	12.2	12.3	11.1	8.2	6.0	4.6	3.9	7.6	12.3	1.3
22	3.4	3.1	2.8	1.6	1.5	2.4	3.2	4.6	8.2	9.3	9.6	8.8	8.3	9.8	10.7	10.6	10.8	8.6	8.8	7.7	7.3	6.6	6.7	5.9	6.7	10.8	1.5
23	4.9	3.2	2.3	1.3	0.3	0.0	2.1	6.7	10.3	12.0	12.9	13.7	14.8	15.8	16.2	16.6	16.9	16.8	16.8	15.7	12.3	11.1	10.4	9.8	10.1	16.9	0.0
24	9.1	7.6	6.9	5.8	5.7	5.9	7.5	11.9	15.9	18.2	19.0	19.5	20.2	20.6	18.5	16.7	15.7	14.2	14.6	13.9	12.3	11.3	10.7	9.9	13.0	20.6	5.7
25	10.3	10.6	9.8	9.1	8.6	8.2	7.9	11.2	13.2	13.7	14.0	15.2	16.6	17.2	17.7	18.6	19.0	18.2	16.0	14.6	12.1	12.3	11.0	11.2	13.2	19.0	7.9
26	10.5	9.9	9.3	8.9	8.2	8.5	10.0	12.4	13.7	15.1	15.5	16.4	17.4	18.0	18.5	18.1	17.7	16.4	16.5	15.7	13.2	11.1	8.8	7.6	13.2	18.5	7.6
27	6.7	6.1	6.1	5.7	5.0	5.1	8.5	13.3	16.0	17.7	18.8	19.7	20.8	21.7	22.7	23.1	23.6	23.4	22.5	20.3	17.5	14.5	12.8	11.1	15.1	23.6	5.0
28	8.7	8.4	7.5	6.7	6.4	6.2	9.2	14.0	18.6	20.9	22.0	22.8	23.4	24.1	24.6	25.1	25.5	25.7	25.3	23.0	18.7	16.5	14.8	14.2	17.2	25.7	6.2
29	12.2	11.4	10.8	10.2	9.9	9.5	12.7	16.4	19.8	21.8	23.3	24.9	25.6	26.3	26.5	23.3	15.6	17.7	20.2	19.3	17.6	15.7	13.8	12.2	17.4	26.5	9.5
30	11.2	10.1	8.8	8.7	8.1	8.5	11.0	14.4	15.7	18.5	21.1	22.9	23.7	24.5	25.4	25.7	25.7	25.4	24.8	23.2	21.1	17.6	14.7	14.3	17.7	25.7	8.1
Avg	7.5	6.8	6.1	5.3	4.6	4.6	6.7	9.9	12.4	13.6	14.5	15.3	15.9	16.6	16.6	16.5	16.2	15.8	15.4	14.3	12.5	11.0	9.8	8.7	11.5	17.9	4.2
Max	13.9	13.8	13.0	14.1	11.8	11.5	14.1	16.4	19.8	21.8	23.3	24.9	25.6	26.3	26.5	25.7	25.7	25.7	25.3	23.2	21.1	20.2	18.6	16.5	18.6	26.5	11.5
Min	0.2	-0.5	-1.6	-2.3	-2.8	-3.0	-0.2	2.3	3.1	3.7	4.2	3.9	4.3	4.7	4.6	4.9	4.4	4.3	4.2	3.8	3.2	2.7	2.2	1.7	3.6	5.3	-3.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
April 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-3.4	-4.1	-5.0	-5.2	-5.3	-6.4	-7.2	-5.6	-2.2	3.4	5.3	5.8	6.4	7.5	8.2	8.9	8.2	7.3	5.6	4.7	4.6	3.4	1.8	-0.1	1.5	8.9	-7.2
2	-1.1	-3.0	-4.2	-6.0	-6.2	-6.3	-6.3	-4.4	-0.6	4.1	7.9	9.3	10.5	11.6	12.3	12.7	12.7	12.2	9.8	5.6	2.9	1.0	-1.1	-1.3	3.0	12.7	-6.3
3	-0.7	0.7	-1.0	-1.8	-2.6	-2.7	-3.3	-2.2	2.5	6.8	7.9	8.1	8.9	9.4	9.1	9.6	9.8	9.8	7.5	4.6	4.0	3.1	2.4	0.8	3.8	9.8	-3.3
4	-0.8	-1.3	-1.4	-1.9	-1.8	-2.0	-2.3	-1.2	2.8	7.0	9.8	11.3	11.9	12.4	12.6	12.6	12.3	11.6	9.8	7.3	5.4	5.0	4.6	4.1	5.3	12.6	-2.3
5	3.2	1.6	0.1	-0.5	-1.3	-1.8	0.1	4.0	4.6	5.8	6.9	8.1	8.0	8.8	9.8	9.5	8.9	8.3	7.7	6.3	4.9	4.3	3.5	3.1	4.7	9.8	-1.8
6	2.7	2.4	2.4	0.5	-0.2	-0.7	-0.5	2.0	5.1	6.4	6.6	7.3	7.4	7.5	6.8	5.1	3.6	3.2	1.6	2.0	0.7	-0.1	-0.4	-0.4	3.0	7.5	-0.7
7	0.5	-0.6	-1.1	-0.7	-0.8	-0.7	-0.2	0.0	0.8	1.9	3.0	4.5	5.0	5.2	2.9	2.6	3.6	3.3	1.1	0.3	-0.6	-2.7	-4.0	-4.8	0.8	5.2	-4.8
8	-5.3	-5.7	-6.1	-6.6	-6.8	-7.3	-7.7	-7.8	-7.3	-7.2	-6.1	-6.8	-7.7	-8.0	-8.1	-8.6	-9.2	-9.4	-10.0	-10.8	-11.7	-14.4	-15.7	-16.2	-8.8	-5.3	-16.2
9	-17.5	-18.2	-19.7	-20.9	-21.1	-20.8	-21.3	-20.2	-16.7	-11.1	-8.5	-6.6	-5.9	-4.7	-4.5	-3.7	-3.1	-2.8	-4.2	-6.6	-7.7	-8.3	-8.1	-8.6	-11.3	-2.8	-21.3
10	-9.6	-11.1	-11.5	-10.3	-11.2	-12.6	-10.8	-8.4	-5.7	-2.4	0.0	1.3	2.8	4.3	5.6	6.3	6.5	6.5	5.2	3.8	3.7	3.6	3.8	2.5	-1.6	6.5	-12.6
11	2.0	2.2	2.3	2.0	1.5	1.1	0.9	1.2	1.8	3.1	3.9	5.7	6.3	6.3	5.4	5.5	5.1	4.0	2.9	1.7	1.1	0.3	-0.4	-1.3	2.7	6.3	-1.3
12	-1.5	-2.1	-2.7	-2.8	-3.3	-3.1	-3.6	-3.0	-1.7	-0.7	0.2	1.5	2.6	3.4	4.4	4.6	5.4	5.7	4.2	2.7	2.8	2.1	1.7	1.0	0.7	5.7	-3.6
13	1.2	0.7	-0.4	-0.8	0.0	0.7	0.7	0.6	0.2	1.0	1.1	2.2	4.1	3.0	2.9	1.9	0.7	0.3	-1.9	-2.9	-4.1	-5.5	-5.9	-5.6	-0.2	4.1	-5.9
14	-5.3	-5.7	-5.2	-6.0	-6.7	-7.2	-7.1	-6.6	-6.3	-5.6	-4.4	-3.7	-3.2	-3.1	-3.5	-3.9	-4.2	-4.6	-6.0	-6.8	-7.4	-7.8	-8.3	-8.8	-5.7	-3.1	-8.8
15	-9.5	-10.0	-11.0	-11.7	-12.3	-12.0	-11.3	-9.8	-8.6	-7.1	-6.0	-5.1	-4.6	-4.4	-4.3	-3.9	-4.0	-4.7	-6.2	-7.6	-8.3	-8.9	-9.6	-10.9	-8.0	-3.9	-12.3
16	-12.0	-12.7	-13.3	-13.6	-14.4	-14.0	-12.6	-9.7	-7.3	-6.5	-5.6	-4.9	-4.3	-3.9	-4.1	-4.1	-4.1	-5.2	-6.6	-7.8	-8.1	-9.1	-10.0	-11.5	-8.6	-3.9	-14.4
17	-13.1	-13.9	-13.6	-13.4	-12.9	-12.8	-11.9	-9.2	-8.1	-7.1	-6.2	-5.2	-4.7	-3.9	-3.0	-3.0	-2.0	-2.3	-3.1	-5.5	-6.9	-9.0	-10.2	-11.3	-8.0	-2.0	-13.9
18	-11.9	-12.7	-13.4	-13.7	-14.1	-15.0	-13.6	-9.0	-3.1	-0.5	1.0	2.7	3.8	4.4	4.6	5.9	5.0	4.9	3.7	2.9	2.4	2.0	-0.2	-0.8	-2.7	5.9	-15.0
19	-0.9	-1.7	-1.9	-4.0	-5.0	-5.5	-5.1	-3.0	-1.2	-0.1	0.8	1.9	2.0	2.3	2.4	1.9	2.1	2.4	3.0	2.9	2.7	1.7	-0.2	-1.4	-0.2	3.0	-5.5
20	-2.4	-2.8	-3.7	-3.8	-3.1	-1.8	0.3	1.0	2.2	3.0	4.1	5.2	6.1	6.9	7.9	7.5	7.5	6.4	5.1	4.0	3.5	3.0	2.2	0.3	2.4	7.9	-3.8
21	-1.5	-2.6	-3.3	-3.9	-4.6	-5.1	-5.0	-4.4	-3.9	-3.1	-2.6	-2.8	-2.5	-1.9	-2.7	-4.5	-5.4	-6.4	-6.9	-7.3	-7.5	-7.8	-7.9	-7.9	-4.6	-1.5	-7.9
22	-8.0	-8.5	-8.9	-9.1	-8.9	-9.4	-9.2	-7.3	-5.9	-5.4	-5.8	-5.7	-4.8	-3.8	-3.6	-2.9	-2.0	-1.6	-2.5	-5.5	-7.9	-9.6	-10.8	-12.1	-6.6	-1.6	-12.1
23	-13.0	-13.6	-14.1	-14.6	-14.8	-15.0	-13.6	-9.4	-5.0	-1.8	-0.7	1.2	2.8	3.1	2.8	2.6	2.3	1.6	0.8	-1.2	-1.8	-1.8	-3.1	-4.6	-4.6	3.1	-15.0
24	-5.8	-6.6	-6.1	-4.8	-4.1	-3.8	-3.4	-2.7	-1.6	0.4	1.9	3.8	5.3	6.7	7.9	9.0	9.5	9.0	8.0	6.2	5.4	4.9	4.2	4.2	2.0	9.5	-6.6
25	3.4	3.9	2.6	3.4	2.2	2.9	4.1	4.7	6.0	7.7	8.6	9.2	10.1	11.0	12.2	12.9	12.7	11.8	10.6	8.6	5.9	3.0	1.2	-0.8	6.6	12.9	-0.8
26	-2.4	-3.4	-4.4	-4.8	-5.1	-5.5	-3.3	1.4	7.9	9.9	11.5	12.8	13.9	14.7	15.7	16.4	16.3	15.5	13.8	11.0	6.5	3.6	2.8	0.8	6.1	16.4	-5.5
27	-0.5	4.0	7.4	8.7	7.6	5.8	7.7	10.8	12.3	11.7	12.3	14.3	15.9	16.0	17.3	16.0	15.2	14.3	13.3	12.2	10.9	10.3	9.5	8.6	10.9	17.3	-0.5
28	7.7	7.2	7.0	6.8	6.3	6.0	5.9	6.5	8.1	8.5	9.4	9.6	10.5	11.6	11.5	12.2	12.1	11.5	9.8	7.9	6.7	5.7	4.7	5.4	8.3	12.2	4.7
29	4.8	4.0	2.0	-0.4	-0.6	0.7	5.2	5.7	6.3	6.9	8.2	8.7	10.0	10.3	9.6	8.0	5.5	4.6	3.1	1.3	0.0	-0.5	-1.6	-2.8	4.1	10.3	-2.8
30	-3.1	-3.1	-4.0	-4.8	-5.2	-4.6	-3.8	-3.2	-2.0	-2.0	-1.5	-0.5	-0.9	0.0	-0.4	-0.5	-0.4	-1.2	-2.2	-3.8	-5.5	-7.4	-8.0	-8.1	-3.2	0.0	-8.1
Avg	-3.5	-3.9	-4.4	-4.8	-5.2	-5.3	-4.6	-3.0	-0.9	0.9	2.1	3.1	3.9	4.4	4.6	4.6	4.4	3.9	2.6	1.0	-0.1	-1.2	-2.1	-2.9	-0.3	5.5	-7.2
Max	7.7	7.2	7.4	8.7	7.6	6.0	7.7	10.8	12.3	11.7	12.3	14.3	15.9	16.0	17.3	16.4	16.3	15.5	13.8	12.2	10.9	10.3	9.5	8.6	10.9	17.3	4.7
Min	-17.5	-18.2	-19.7	-20.9	-21.1	-20.8	-21.3	-20.2	-16.7	-11.1	-8.5	-6.8	-7.7	-8.0	-8.1	-8.6	-9.2	-9.4	-10.0	-10.8	-11.7	-14.4	-15.7	-16.2	-11.3	-5.3	-21.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
May 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-8.3	-9.1	-9.3	-10.7	-10.8	-11.2	-9.0	-5.3	-2.2	-0.9	-0.2	1.2	1.7	1.3	2.6	1.8	3.9	3.3	2.0	0.7	-1.3	-4.1	-5.5	-6.5	-3.2	3.9	-11.2
2	-8.4	-8.7	-9.7	-10.6	-9.6	-10.3	-7.4	-2.3	3.1	5.2	6.7	8.7	10.2	11.6	12.8	12.8	12.1	12.6	12.2	8.4	3.8	1.1	-1.1	-2.5	2.1	12.8	-10.6
3	-3.1	-3.8	-4.0	-4.1	-4.0	-2.6	-0.6	1.3	5.8	6.7	6.8	5.2	6.4	5.1	5.7	5.4	5.7	4.8	3.8	2.9	2.1	1.8	1.6	1.4	2.1	6.8	-4.1
4	1.5	1.2	1.1	0.7	0.8	1.5	2.8	3.7	4.8	5.9	6.5	6.7	7.0	8.2	8.4	8.7	8.0	7.9	6.2	5.7	5.6	4.5	3.9	3.3	4.8	8.7	0.7
5	2.9	0.1	-0.2	-0.7	-2.6	-3.4	0.4	6.9	8.5	9.5	10.7	11.8	12.9	13.7	14.3	14.6	14.3	13.6	12.3	10.5	7.1	5.0	3.5	0.9	6.9	14.6	-3.4
6	0.0	0.1	-1.1	-0.6	-2.4	-3.1	-0.3	5.5	11.6	13.2	14.1	15.1	16.3	16.8	17.3	18.1	17.4	16.9	16.5	13.0	11.7	10.8	8.8	7.0	9.3	18.1	-3.1
7	4.8	2.5	1.7	0.9	0.8	0.6	2.0	7.7	13.6	14.6	15.3	15.6	16.2	16.8	17.5	17.7	17.4	16.5	15.4	13.3	11.3	10.6	9.7	9.0	10.5	17.7	0.6
8	5.9	2.6	0.9	0.3	-0.5	-1.4	2.4	7.5	11.9	14.5	15.9	16.3	16.2	16.6	14.3	14.2	17.0	17.1	15.7	13.0	10.9	8.9	6.7	5.7	9.7	17.1	-1.4
9	5.0	4.2	3.0	2.1	0.7	0.1	3.0	7.7	12.7	15.9	17.2	18.0	17.6	17.6	18.3	17.3	15.9	14.2	13.5	12.0	8.5	6.1	3.7	2.6	9.9	18.3	0.1
10	0.6	-0.1	-1.3	-1.9	-2.1	-2.5	3.5	8.8	9.2	10.1	10.0	11.2	13.0	14.4	15.6	16.3	16.4	15.7	14.3	11.4	9.0	6.5	5.1	4.5	7.8	16.4	-2.5
11	4.8	4.1	3.2	0.5	-0.4	-3.0	1.3	7.1	11.9	14.4	15.9	17.1	18.3	19.8	19.8	20.5	20.0	18.9	18.4	16.1	12.6	10.2	8.0	5.3	11.0	20.5	-3.0
12	4.8	3.0	2.4	1.7	0.9	0.9	4.0	9.3	15.9	19.5	20.7	22.0	22.0	22.9	23.1	23.3	22.7	21.6	20.9	18.9	14.6	11.5	9.5	8.2	13.5	23.3	0.9
13	6.7	6.2	6.8	5.3	5.7	4.3	5.9	11.6	16.9	19.3	22.2	23.0	23.7	24.0	25.2	25.2	25.1	23.7	22.9	22.1	17.0	15.4	13.4	10.7	15.9	25.2	4.3
14	8.8	7.4	7.0	5.9	3.9	5.0	7.2	8.8	9.9	11.1	12.5	13.9	15.7	16.9	16.5	15.5	16.2	15.5	13.7	12.6	10.9	9.7	7.5	6.1	10.8	16.9	3.9
15	5.0	3.4	0.8	-0.4	-2.0	-1.4	2.9	8.5	10.4	12.1	13.2	14.3	15.5	16.2	15.8	15.6	15.4	15.7	13.8	12.6	11.6	10.5	9.5	8.9	9.5	16.2	-2.0
16	7.2	6.9	6.3	4.9	4.5	4.6	5.5	6.4	8.5	10.4	11.9	12.6	8.6	9.8	12.2	13.5	12.4	9.5	8.1	7.6	7.2	6.4	5.4	4.4	8.1	13.5	4.4
17	3.2	2.4	2.0	1.4	0.0	0.4	1.6	4.1	7.6	9.9	10.8	10.9	10.3	9.6	9.9	9.6	9.0	8.4	7.8	7.4	7.1	6.6	6.4	5.9	6.3	10.9	0.0
18	5.9	6.0	6.0	5.9	5.9	5.9	6.1	6.8	7.7	8.5	8.6	9.5	10.4	11.1	11.6	11.3	10.4	8.9	8.2	7.8	6.9	6.2	6.4	6.6	7.9	11.6	5.9
19	6.2	6.2	6.2	5.9	5.6	5.8	5.9	6.3	6.1	6.2	6.1	6.4	6.9	7.3	7.6	7.8	8.1	7.7	7.1	7.0	6.9	6.6	6.1	6.1	6.6	8.1	5.6
20	6.2	6.3	6.1	6.1	5.9	5.9	6.1	7.1	7.9	7.8	7.8	7.8	7.1	7.6	9.4	10.9	11.0	11.1	9.4	8.5	7.1	6.2	4.5	1.9	7.3	11.1	1.9
21	1.1	0.2	-1.5	-1.9	-1.6	-1.4	2.0	7.2	11.0	12.5	13.6	14.5	15.4	16.1	16.5	16.3	15.8	15.0	13.3	11.4	9.8	9.0	7.9	6.9	8.7	16.5	-1.9
22	6.2	5.8	5.0	4.6	4.6	4.6	5.6	6.4	7.2	6.7	7.2	7.8	7.5	8.6	9.5	9.9	9.4	10.0	9.6	8.8	9.0	8.6	8.3	7.4	7.4	10.0	4.6
23	7.0	6.8	6.8	6.2	6.0	6.0	6.2	6.2	6.3	5.5	5.1	6.0	6.6	7.1	7.4	7.0	6.1	6.3	6.3	5.8	4.6	4.4	3.9	3.9	6.0	7.4	3.9
24	3.6	2.6	2.0	1.9	1.7	1.5	2.3	3.5	4.9	6.5	7.9	8.7	10.4	11.3	11.8	12.0	12.3	11.8	10.8	8.5	7.7	5.9	4.1	2.6	6.5	12.3	1.5
25	1.3	0.0	-0.3	-1.3	-2.6	-2.6	0.5	4.8	8.7	10.9	12.3	13.0	13.3	13.1	13.9	15.2	14.0	13.7	12.7	10.7	9.1	7.8	7.5	5.8	7.6	15.2	-2.6
26	5.3	5.3	4.0	3.8	2.4	2.6	4.4	8.1	12.0	13.3	13.8	14.4	15.2	14.7	15.5	15.6	14.9	10.7	10.0	9.5	7.0	5.7	4.6	3.0	9.0	15.6	2.4
27	2.5	2.0	1.0	0.3	0.0	-0.4	1.1	5.1	7.4	8.2	7.7	6.4	8.5	8.7	8.7	10.3	10.8	11.3	11.8	10.0	6.1	4.7	3.7	2.8	5.8	11.8	-0.4
28	2.7	1.9	2.8	3.1	3.7	3.9	4.8	5.8	6.2	6.1	6.6	8.2	8.8	9.6	8.4	9.2	10.2	10.7	9.9	8.4	7.6	7.2	5.8	5.2	6.5	10.7	1.9
29	5.2	5.1	5.1	5.0	4.9	4.5	5.0	5.6	7.1	8.6	9.4	9.3	8.8	8.4	8.4	8.2	8.5	8.8	8.9	8.4	7.9	7.0	6.3	5.9	7.1	9.4	4.5
30	5.6	6.2	6.1	4.9	4.5	4.6	4.5	4.4	4.4	4.7	5.4	6.1	6.4	6.9	7.1	6.5	6.0	6.1	5.9	5.9	5.5	5.0	4.6	4.3	5.5	7.1	4.3
31	4.3	4.1	3.4	2.9	2.7	2.6	3.0	3.2	4.1	4.7	5.7	6.3	6.6	6.8	6.4	6.1	5.4	4.7	4.5	4.3	4.0	3.9	3.9	3.5	4.5	6.8	2.6
Avg	3.4	2.6	2.0	1.4	0.9	0.7	2.7	5.7	8.4	9.7	10.6	11.2	11.7	12.2	12.6	12.8	12.6	12.0	11.2	9.8	8.0	6.8	5.6	4.5	7.5	13.4	0.3
Max	8.8	7.4	7.0	6.2	6.0	6.0	7.2	11.6	16.9	19.5	22.2	23.0	23.7	24.0	25.2	25.2	25.1	23.7	22.9	22.1	17.0	15.4	13.4	10.7	15.9	25.2	5.9
Min	-8.4	-9.1	-9.7	-10.7	-10.8	-11.2	-9.0	-5.3	-2.2	-0.9	-0.2	1.2	1.7	1.3	2.6	1.8	3.9	3.3	2.0	0.7	-1.3	-4.1	-5.5	-6.5	-3.2	3.9	-11.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
June 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	3.5	3.4	3.5	3.4	3.4	3.5	3.9	5.7	7.7	9.2	10.3	11.7	12.6	13.8	14.1	14.1	14.0	14.2	13.5	11.8	11.3	10.1	9.5	8.6	9.0	14.2	3.4
2	7.8	8.3	8.1	7.8	7.1	7.1	7.9	10.3	12.0	13.8	14.6	14.4	13.7	12.4	9.5	10.0	9.3	8.2	7.2	6.7	6.6	6.4	6.1	5.8	9.2	14.6	5.8
3	5.3	4.8	4.1	3.3	2.5	2.0	1.7	2.5	3.7	4.2	4.7	4.3	5.0	5.3	5.2	5.3	4.8	4.7	4.5	3.9	3.2	2.6	2.1	1.8	3.8	5.3	1.7
4	1.6	1.7	1.8	1.7	1.5	1.6	2.1	2.7	3.5	4.6	5.0	5.7	6.6	7.9	8.8	8.6	9.8	9.6	9.3	7.8	5.2	4.0	3.2	0.8	4.8	9.8	0.8
5	0.0	-0.8	-2.2	-3.1	-3.7	-3.1	0.0	5.0	8.6	11.1	12.6	13.8	14.6	15.8	16.7	17.4	17.7	17.7	17.4	15.2	10.5	8.6	7.0	4.7	8.4	17.7	-3.7
6	4.8	3.1	2.6	2.0	1.3	2.4	5.6	10.7	15.0	16.0	17.0	18.0	18.5	19.4	19.8	20.3	20.5	20.6	20.3	17.4	15.7	14.1	12.2	10.2	12.8	20.6	1.3
7	9.2	8.6	5.5	5.2	5.2	4.9	7.8	11.9	16.6	18.3	19.4	20.9	20.7	20.2	19.3	19.7	19.5	18.7	18.7	17.8	15.6	12.1	12.1	9.9	14.1	20.9	4.9
8	9.8	11.4	9.1	8.4	8.4	8.4	8.8	11.2	12.9	14.4	15.8	16.5	17.2	18.1	19.1	19.5	19.8	19.2	17.7	16.7	14.7	11.1	8.0	6.4	13.4	19.8	6.4
9	4.7	3.4	3.2	1.8	1.5	1.3	5.7	11.9	15.3	16.6	18.3	19.6	20.8	22.0	22.7	23.4	23.2	22.4	20.5	18.3	15.5	12.5	11.1	8.0	13.5	23.4	1.3
10	5.3	3.4	3.6	1.6	-0.5	1.1	4.7	10.2	14.4	15.8	16.8	17.9	19.4	20.1	21.0	21.7	21.8	20.4	19.1	17.6	16.0	14.9	13.7	13.7	13.1	21.8	-0.5
11	13.1	12.3	11.5	10.9	9.7	9.6	11.1	13.7	14.6	12.4	12.7	12.4	15.2	16.5	15.1	14.7	13.9	12.6	12.8	11.8	10.8	9.6	8.0	7.5	12.2	16.5	7.5
12	6.8	7.0	6.6	4.5	3.4	3.9	9.6	13.0	13.9	15.0	15.2	16.5	18.2	20.0	19.7	16.7	13.2	10.2	10.6	10.7	10.6	11.3	10.4	9.3	11.5	20.0	3.4
13	9.4	7.1	8.7	7.9	5.5	6.2	7.5	9.9	11.5	10.4	11.9	13.6	14.2	13.3	10.5	8.9	10.1	9.1	9.5	8.1	7.5	7.3	7.0	6.9	9.3	14.2	5.5
14	5.5	3.3	2.1	1.5	1.2	1.7	2.6	5.5	7.6	8.5	9.1	9.8	10.0	10.3	10.7	12.3	12.5	11.7	10.9	9.5	7.8	5.8	6.0	4.3	7.1	12.5	1.2
15	3.7	3.1	1.4	0.3	-0.8	0.1	3.9	8.8	10.6	12.3	13.6	14.7	15.7	16.7	17.4	18.0	18.2	18.3	17.4	15.0	9.8	7.6	5.3	2.5	9.7	18.3	-0.8
16	1.4	0.6	0.2	-0.1	-0.8	-0.4	4.0	9.0	13.8	15.8	16.8	17.7	18.3	18.8	19.1	18.3	19.1	19.3	18.5	16.2	13.8	11.7	11.0	10.3	11.4	19.3	-0.8
17	8.6	6.8	5.9	4.4	5.1	6.4	10.6	14.0	15.9	17.1	18.2	19.5	20.5	21.2	21.6	20.2	19.2	20.3	19.9	18.8	17.3	16.5	16.1	13.8	14.9	21.6	4.4
18	13.6	13.5	12.6	13.5	9.1	10.7	14.3	16.3	18.6	20.8	22.2	23.9	25.6	26.1	23.6	21.4	20.8	21.2	21.5	21.3	20.8	20.1	18.1	15.9	18.6	26.1	9.1
19	12.9	11.6	10.7	8.2	6.5	6.5	10.4	12.9	15.9	18.9	21.1	21.9	23.4	23.3	17.0	14.3	14.1	11.8	7.7	7.3	7.1	6.4	6.1	5.8	12.6	23.4	5.8
20	5.4	5.3	5.6	5.3	5.2	5.8	6.8	8.1	7.7	7.7	8.3	8.4	7.1	9.1	11.1	12.5	11.4	11.6	10.9	9.2	6.4	5.2	4.5	4.2	7.6	12.5	4.2
21	4.5	4.5	3.1	1.7	1.2	1.3	3.1	7.6	11.5	12.1	12.2	12.0	9.4	9.8	10.7	10.6	12.3	12.6	12.7	11.1	8.1	6.0	4.5	3.7	7.8	12.7	1.2
22	3.2	2.9	2.7	1.3	1.3	2.4	3.4	4.9	8.6	9.9	10.0	9.3	8.6	10.4	11.1	11.1	11.1	8.6	9.1	7.8	7.3	6.7	6.7	5.4	6.8	11.1	1.3
23	4.8	2.8	2.1	1.3	0.2	0.2	2.4	7.0	10.6	12.8	13.8	14.7	15.8	16.8	16.7	16.9	17.3	17.1	16.8	15.2	12.2	11.0	10.3	9.5	10.3	17.3	0.2
24	8.7	6.8	6.4	5.0	5.2	5.5	7.5	12.1	15.6	18.2	19.1	20.0	20.8	21.1	18.4	16.9	15.4	14.3	14.7	13.7	12.0	11.1	10.6	9.9	12.9	21.1	5.0
25	10.2	10.4	9.7	8.9	8.5	7.9	7.9	11.6	13.6	14.0	14.8	16.2	17.5	18.2	18.5	19.3	19.3	18.0	15.6	14.2	12.0	12.1	10.6	10.8	13.3	19.3	7.9
26	10.4	9.7	9.1	8.7	7.9	8.4	10.0	12.7	14.0	15.4	16.0	17.1	18.5	18.9	19.5	18.5	18.0	16.4	16.8	15.3	11.4	10.3	8.4	7.2	13.3	19.5	7.2
27	6.4	5.8	5.4	5.1	4.3	4.7	8.9	13.8	16.7	18.5	19.7	20.7	21.8	22.7	23.5	23.8	24.1	23.7	22.1	18.0	16.1	13.6	12.3	10.5	15.1	24.1	4.3
28	7.6	7.5	6.3	5.4	5.1	5.3	9.5	14.4	19.0	21.6	22.8	23.6	24.3	25.0	25.2	25.7	26.0	26.0	25.2	22.5	17.3	15.2	13.5	12.9	17.0	26.0	5.1
29	11.1	10.3	9.7	8.7	9.0	8.9	12.9	16.7	20.4	22.5	23.9	25.5	26.3	27.0	27.0	23.0	15.6	17.9	20.4	19.0	17.1	14.6	13.1	12.1	17.2	27.0	8.7
30	10.8	9.3	8.0	7.7	7.1	7.6	11.2	14.7	15.9	18.8	21.5	23.5	24.4	25.4	26.0	26.1	26.0	25.7	24.8	22.5	19.7	16.2	13.8	13.6	17.5	26.1	7.1
Avg	7.0	6.3	5.6	4.7	4.0	4.4	6.9	10.3	12.9	14.2	15.2	16.1	16.8	17.5	17.3	17.0	16.6	16.1	15.5	14.0	12.0	10.5	9.4	8.2	11.6	18.6	3.6
Max	13.6	13.5	12.6	13.5	9.7	10.7	14.3	16.7	20.4	22.5	23.9	25.5	26.3	27.0	27.0	26.1	26.0	26.0	25.2	22.5	20.8	20.1	18.1	15.9	18.6	27.0	9.1
Min	0.0	-0.8	-2.2	-3.1	-3.7	-3.1	0.0	2.5	3.5	4.2	4.7	4.3	5.0	5.3	5.2	5.3	4.8	4.7	4.5	3.9	3.2	2.6	2.1	0.8	3.8	5.3	-3.7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
April 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.69	0.91	0.69	0.59	0.47	0.83	0.74	0.23	-0.02	0.24	0.24	0.39	0.44	0.18	0.13	0.06	0.70	1.01	1.31	0.53	0.62	0.80	1.21	1.07	0.59	1.31	-0.02
2	0.49	0.67	0.57	1.38	1.12	0.81	0.46	-0.03	-0.14	-0.48	-0.33	-0.32	-0.30	-0.19	-0.08	-0.07	0.16	0.48	1.39	1.71	0.40	0.50	0.85	0.75	0.41	1.71	-0.48
3	1.16	2.08	1.64	1.67	0.47	0.26	0.47	0.02	-0.16	-0.13	-0.18	-0.16	-0.45	-0.60	-0.45	-0.45	-0.31	-0.15	0.84	0.59	0.61	0.70	0.55	0.75	0.37	2.08	-0.60
4	0.34	0.35	0.27	0.40	0.18	0.41	0.10	-0.13	-0.19	-0.34	-0.41	-0.63	-0.53	-0.55	-0.28	-0.22	-0.02	0.35	0.29	0.42	0.30	0.70	0.44	0.49	0.07	0.70	-0.63
5	0.75	0.81	0.53	0.43	0.52	0.64	0.68	0.30	-0.11	-0.44	-0.78	-0.88	-0.46	-0.64	-0.59	-0.34	0.11	0.22	0.33	0.46	0.55	0.49	0.44	0.53	0.15	0.81	-0.88
6	0.97	0.81	0.68	0.99	0.69	0.61	0.12	-0.14	-0.29	-0.41	-0.38	-0.52	-0.49	-0.83	-0.61	-0.08	-0.15	-0.03	0.51	0.44	0.74	0.43	0.20	0.41	0.15	0.99	-0.83
7	0.70	0.90	0.55	0.39	0.08	0.06	-0.04	-0.10	-0.14	-0.17	-0.34	-0.33	-0.53	-0.58	-0.15	-0.34	-0.27	-0.07	0.01	0.01	-0.05	-0.09	-0.11	-0.07	-0.03	0.90	-0.58
8	-0.04	0.05	0.06	0.01	0.07	0.05	0.02	-0.06	-0.09	-0.13	-0.30	-0.28	-0.43	-0.47	-0.44	-0.37	-0.25	-0.18	0.17	0.44	0.63	1.20	0.88	1.08	0.07	1.20	-0.47
9	1.00	1.33	1.07	1.64	1.09	1.18	1.05	0.79	0.20	-0.35	-0.14	-0.26	-0.25	-0.48	-0.38	-0.43	-0.36	-0.44	-0.13	0.21	0.00	-0.14	-0.21	0.03	0.25	1.64	-0.48
10	0.09	0.27	0.01	-0.11	0.30	0.57	-0.13	-0.20	-0.30	-0.38	-0.61	-0.71	-0.78	-0.94	-0.92	-0.59	-0.31	-0.11	0.14	0.32	0.44	0.60	0.42	0.43	-0.10	0.60	-0.94
11	0.54	0.35	0.22	0.23	0.14	0.11	0.05	-0.20	-0.36	-0.61	-0.67	-1.16	-1.07	-0.83	-0.41	-0.36	-0.24	0.00	0.12	0.24	0.17	0.26	0.17	0.30	-0.13	0.54	-1.16
12	0.18	0.03	0.06	0.14	0.29	-0.05	0.27	-0.02	-0.42	-0.56	-0.69	-0.84	-0.91	-0.82	-0.80	-0.59	-0.60	-0.43	0.24	0.66	0.10	0.10	0.10	0.06	-0.19	0.66	-0.91
13	0.08	0.05	-0.06	-0.08	0.00	0.03	0.07	0.02	-0.17	-0.01	-0.08	-0.46	-1.02	-0.57	-0.97	-0.58	-0.27	-0.32	0.05	0.25	0.66	0.85	0.40	0.18	-0.08	0.85	-1.02
14	0.14	0.03	-0.03	0.08	0.08	0.10	-0.05	-0.33	-0.47	-0.74	-1.00	-1.06	-1.09	-0.87	-0.73	-0.68	-0.77	-0.62	-0.28	-0.14	-0.18	-0.16	-0.12	-0.09	-0.37	0.14	-1.09
15	0.00	0.02	0.26	0.27	0.15	-0.10	-0.24	-0.26	-0.43	-0.58	-0.76	-0.76	-0.59	-0.66	-0.69	-0.87	-0.95	-0.70	-0.28	0.09	0.09	0.28	0.32	0.14	-0.26	0.32	-0.95
16	-0.05	0.22	0.05	-0.07	0.15	-0.23	-0.24	-0.35	-0.46	-0.69	-0.73	-0.63	-0.58	-0.58	-0.63	-0.66	-0.78	-0.51	-0.23	0.07	0.10	0.37	0.45	0.37	-0.23	0.45	-0.78
17	0.15	0.08	-0.05	-0.13	-0.15	-0.10	-0.18	-0.45	-0.54	-0.69	-0.77	-0.91	-0.82	-0.70	-0.98	-0.56	-0.89	-0.68	-0.23	0.93	0.07	-0.06	-0.08	-0.07	-0.33	0.93	-0.98
18	-0.11	-0.04	0.04	0.06	0.12	0.42	-0.15	-0.38	-0.64	-1.05	-1.16	-1.29	-1.42	-1.14	-0.69	-0.98	-0.49	-0.30	0.23	0.56	0.42	0.24	1.05	0.40	-0.26	1.05	-1.42
19	0.47	0.62	0.52	0.96	0.61	0.50	0.09	-0.07	-0.21	-0.28	-0.36	-0.44	-0.29	-0.14	-0.05	-0.12	-0.11	-0.11	0.12	0.34	0.29	0.33	0.73	0.75	0.17	0.96	-0.44
20	0.56	0.59	0.53	0.67	-0.02	0.09	0.06	-0.01	0.07	0.08	0.01	-0.18	-0.21	-0.24	-0.61	-0.38	-0.47	-0.13	0.25	0.33	0.31	0.27	0.16	0.05	0.07	0.67	-0.61
21	-0.04	-0.13	-0.09	-0.10	-0.10	-0.13	-0.23	-0.39	-0.58	-0.66	-0.68	-0.62	-0.70	-0.58	-0.39	-0.22	-0.23	-0.18	-0.09	-0.09	-0.06	-0.06	0.02	0.07	-0.26	0.07	-0.70
22	0.04	0.06	0.22	0.10	0.06	0.31	0.10	-0.17	-0.44	-0.66	-0.61	-0.46	-0.49	-0.93	-0.88	-0.93	-0.82	-0.76	-0.33	0.64	0.29	-0.21	-0.14	-0.18	-0.26	0.64	-0.93
23	-0.21	-0.18	-0.23	-0.22	-0.22	-0.21	-0.31	-0.33	-0.33	-0.91	-0.93	-1.05	-1.33	-1.12	-0.78	-0.69	-0.56	-0.17	0.00	0.63	0.36	0.19	0.62	0.70	-0.30	0.70	-1.33
24	0.13	0.21	0.46	0.00	0.01	0.00	-0.03	-0.31	-0.39	-0.58	-0.64	-0.89	-1.03	-1.26	-1.15	-1.03	-0.78	-0.33	0.05	0.62	0.62	0.95	1.11	0.79	-0.14	1.11	-1.26
25	0.97	0.60	0.82	0.58	1.02	0.56	0.01	-0.30	-0.70	-1.02	-1.10	-0.97	-0.98	-0.94	-1.16	-1.04	-0.78	-0.33	0.08	0.84	1.22	1.49	0.62	0.53	0.00	1.49	-1.16
26	0.87	1.06	1.23	1.07	0.92	0.97	0.13	-0.39	-0.74	-1.02	-1.20	-1.38	-1.40	-1.32	-1.25	-1.13	-0.85	-0.34	0.25	0.93	1.08	0.45	0.35	0.74	-0.04	1.23	-1.40
27	1.45	1.45	1.17	0.66	1.12	1.44	0.65	-0.32	-0.70	-0.50	-0.54	-0.80	-0.96	-0.75	-0.93	-0.45	-0.16	0.02	0.17	0.32	0.49	0.34	0.28	0.18	0.15	1.45	-0.96
28	0.16	0.19	0.20	0.15	0.13	0.12	-0.05	-0.41	-0.84	-0.80	-1.15	-0.82	-1.09	-1.15	-0.82	-1.10	-0.80	-0.66	-0.07	0.34	0.33	0.33	0.50	0.33	-0.29	0.50	-1.15
29	0.51	0.79	1.66	1.31	1.59	1.21	0.07	-0.28	-0.44	-0.53	-0.77	-1.09	-1.32	-1.20	-1.12	-1.06	-0.70	-0.55	-0.22	0.21	0.33	0.16	-0.05	-0.07	-0.07	1.66	-1.32
30	-0.04	0.00	0.15	0.39	0.60	0.20	-0.12	-0.34	-0.68	-0.74	-1.01	-1.21	-1.04	-1.15	-0.83	-0.76	-0.78	-0.50	-0.33	0.22	0.71	1.03	0.64	0.31	-0.22	1.03	-1.21
Avg	0.40	0.47	0.44	0.45	0.38	0.36	0.11	-0.15	-0.36	-0.50	-0.60	-0.69	-0.74	-0.73	-0.65	-0.57	-0.42	-0.22	0.15	0.44	0.39	0.41	0.39	0.37	-0.04	0.95	-0.89
Max	1.45	2.08	1.66	1.67	1.59	1.44	1.05	0.79	0.20	0.24	0.24	0.39	0.44	0.18	0.13	0.06	0.70	1.01	1.39	1.71	1.22	1.49	1.21	1.08	0.59	2.08	-0.02
Min	-0.21	-0.18	-0.23	-0.22	-0.22	-0.23	-0.31	-0.45	-0.84	-1.05	-1.20	-1.38	-1.42	-1.32	-1.25	-1.13	-0.95	-0.76	-0.33	-0.14	-0.18	-0.21	-0.21	-0.18	-0.37	0.07	-1.42

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
May 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.15	0.20	0.04	0.29	0.30	0.26	-0.17	-0.32	-0.68	-0.86	-0.80	-1.08	-1.09	-0.96	-1.23	-0.63	-0.95	-0.61	-0.05	0.49	0.77	1.14	0.87	0.78	-0.17	1.14	-1.23
2	1.43	0.89	1.19	0.89	0.59	0.54	-0.18	-0.35	-0.83	-1.02	-1.23	-1.30	-1.27	-1.36	-1.33	-1.19	-0.49	-0.47	-0.12	1.00	1.02	0.53	0.74	0.76	-0.07	1.43	-1.36
3	0.95	0.90	1.14	1.12	0.75	0.32	-0.13	-0.23	-0.51	-0.62	-0.51	-0.31	-0.49	-0.30	-0.35	-0.21	-0.41	-0.26	-0.12	-0.01	0.04	0.08	0.10	0.30	0.05	1.14	-0.62
4	0.07	0.04	0.10	0.08	0.13	0.17	-0.02	-0.18	-0.38	-0.56	-0.60	-0.41	-0.55	-0.72	-0.78	-0.59	-0.42	-0.48	-0.32	-0.07	0.05	0.35	0.38	0.47	-0.18	0.47	-0.78
5	0.55	1.70	1.45	1.66	1.20	1.54	0.27	-0.45	-0.79	-0.87	-1.08	-1.54	-1.69	-1.70	-1.57	-1.34	-1.15	-0.72	-0.20	0.15	0.46	0.61	1.64	1.73	-0.01	1.73	-1.70
6	0.95	0.59	1.40	0.99	1.51	0.97	0.28	-0.34	-0.73	-0.84	-0.70	-0.82	-0.91	-0.80	-0.69	-0.87	-0.45	-0.11	-0.01	0.77	0.82	0.71	1.78	1.78	0.22	1.78	-0.91
7	1.89	1.40	0.68	0.70	0.47	0.41	-0.06	-0.38	-0.59	-1.12	-1.41	-1.49	-1.55	-1.39	-1.22	-1.01	-0.88	-0.56	-0.20	0.20	0.67	0.33	0.33	0.40	-0.18	1.89	-1.55
8	1.34	1.25	1.23	1.05	1.14	1.52	-0.16	-0.41	-0.50	-0.66	-0.90	-0.75	-0.56	-0.51	-0.51	-0.46	-0.80	-0.57	-0.08	0.41	0.72	1.02	1.17	1.50	0.23	1.52	-0.90
9	0.34	0.30	0.70	0.99	1.04	1.33	-0.04	-0.33	-0.44	-0.77	-0.98	-1.07	-0.74	-0.41	-0.57	-0.57	-0.23	0.54	0.05	0.49	0.44	0.45	0.57	0.67	0.07	1.33	-1.07
10	1.20	1.18	1.34	1.45	1.22	1.32	0.41	-0.52	-0.96	-1.01	-1.14	-1.20	-1.34	-1.25	-0.99	-1.10	-1.09	-0.85	-0.33	0.33	0.17	0.39	0.70	0.65	-0.06	1.45	-1.34
11	0.49	0.45	0.88	1.08	0.63	1.18	-0.21	-0.37	-0.55	-0.67	-0.94	-1.06	-1.25	-1.27	-0.89	-1.03	-0.61	-0.10	0.27	1.06	1.05	0.09	0.12	0.67	-0.04	1.18	-1.27
12	0.65	0.82	1.08	1.17	1.09	1.17	-0.10	-0.33	-0.58	-1.05	-1.06	-1.18	-0.91	-1.07	-0.91	-0.87	-0.32	0.10	0.32	1.34	1.82	0.60	0.23	0.37	0.10	1.82	-1.18
13	0.82	1.20	0.55	0.71	0.61	0.68	0.05	-0.30	-0.54	-0.88	-1.11	-1.17	-1.13	-0.91	-1.11	-0.89	-0.79	-0.03	0.24	0.47	0.84	0.37	0.39	0.30	-0.07	1.20	-1.17
14	0.36	0.44	0.38	0.61	1.01	0.62	-0.30	-0.67	-0.94	-1.28	-1.31	-1.41	-1.49	-1.51	-1.29	-0.75	-0.78	-0.46	0.11	0.33	0.83	0.64	0.70	0.61	-0.23	1.01	-1.51
15	0.80	0.58	1.03	0.94	0.87	0.51	-0.36	-0.58	-0.64	-0.96	-0.92	-0.98	-0.91	-0.93	-0.62	-0.51	-0.30	-0.38	0.13	0.07	0.13	0.61	0.51	0.38	-0.06	1.03	-0.98
16	0.48	0.07	0.21	0.29	0.02	0.05	-0.06	-0.24	-0.35	-0.49	-0.48	-0.52	-0.16	-0.46	-0.50	-0.62	-0.26	-0.10	-0.10	-0.10	-0.05	0.02	0.00	0.10	-0.14	0.48	-0.62
17	0.29	0.04	0.08	0.19	0.37	0.16	-0.14	-0.23	-0.34	-0.27	-0.28	-0.59	-0.54	-0.33	-0.21	-0.18	-0.11	-0.12	-0.13	-0.07	-0.05	0.02	-0.08	-0.08	-0.11	0.37	-0.59
18	-0.05	-0.06	-0.09	-0.07	-0.05	-0.10	-0.17	-0.35	-0.35	-0.45	-0.39	-0.51	-0.83	-0.92	-1.00	-0.60	-0.41	-0.10	-0.09	-0.04	-0.02	0.00	-0.01	-0.03	-0.28	0.00	-1.00
19	0.04	0.05	0.07	0.10	0.16	0.02	-0.02	-0.15	-0.17	-0.19	-0.22	-0.36	-0.34	-0.31	-0.22	-0.20	-0.21	-0.08	0.00	0.07	0.09	0.11	0.07	0.07	-0.07	0.16	-0.36
20	0.01	0.09	0.05	0.08	0.13	0.06	-0.03	-0.22	-0.38	-0.23	-0.34	-0.30	-0.17	-0.33	-0.73	-0.72	-0.41	-0.34	-0.20	0.03	0.20	0.02	0.05	0.56	-0.13	0.56	-0.73
21	0.29	0.44	0.92	0.73	0.78	0.71	-0.11	-0.41	-0.56	-0.73	-0.83	-0.92	-1.18	-1.29	-1.12	-0.82	-0.57	-0.33	-0.10	-0.01	0.00	-0.02	-0.04	-0.06	-0.22	0.92	-1.29
22	-0.07	-0.05	0.14	0.18	0.05	-0.02	-0.33	-0.65	-1.01	-0.73	-0.80	-0.63	-0.34	-0.44	-0.35	-0.26	-0.09	-0.08	0.01	-0.02	0.02	0.00	0.02	-0.02	-0.23	0.18	-1.01
23	-0.02	-0.03	-0.01	-0.01	-0.03	-0.01	-0.07	-0.10	-0.20	-0.29	-0.45	-0.54	-0.37	-0.41	-0.48	-0.20	-0.19	-0.20	-0.18	-0.10	-0.10	-0.06	-0.10	-0.08	-0.18	-0.01	-0.54
24	-0.07	-0.07	-0.09	-0.09	-0.06	-0.05	-0.17	-0.30	-0.53	-0.71	-0.97	-0.88	-1.05	-1.07	-1.03	-0.92	-0.75	-0.28	0.27	0.10	0.39	0.75	0.38	0.30	-0.29	0.75	-1.07
25	0.56	0.53	0.18	0.28	0.57	0.69	-0.23	-0.32	-0.38	-0.56	-0.46	-0.62	-0.40	-0.37	-0.35	-0.75	-0.20	-0.22	0.13	0.33	0.70	0.52	0.36	0.46	0.02	0.70	-0.75
26	0.07	0.10	0.37	0.31	0.58	0.32	-0.23	-0.30	-0.58	-0.85	-0.85	-0.74	-0.71	-0.41	-0.43	-0.43	-0.09	0.33	-0.05	0.13	0.07	0.00	0.32	0.31	-0.12	0.58	-0.85
27	0.15	0.14	0.30	0.09	0.06	-0.01	-0.25	-0.35	-0.23	-0.57	-0.60	-0.21	-0.66	-0.53	-0.53	-0.61	-0.51	-0.40	-0.40	0.31	0.39	0.12	0.12	0.06	-0.17	0.39	-0.66
28	0.21	0.07	0.02	0.03	-0.05	-0.03	-0.11	-0.14	-0.20	-0.15	-0.24	-0.61	-0.38	-0.50	-0.34	-0.41	-0.39	-0.33	-0.13	0.18	0.19	0.12	0.13	-0.02	-0.13	0.21	-0.61
29	-0.02	0.00	-0.07	0.01	0.00	0.03	-0.13	-0.17	-0.26	-0.29	-0.48	-0.59	-0.55	-0.33	-0.30	-0.24	-0.28	-0.17	-0.14	0.03	0.12	0.17	0.21	0.19	-0.14	0.21	-0.59
30	0.12	0.02	0.01	-0.02	-0.03	-0.03	-0.08	-0.14	-0.25	-0.32	-0.45	-0.37	-0.44	-0.53	-0.47	-0.31	-0.25	-0.18	-0.04	0.09	0.11	0.10	0.09	0.06	-0.14	0.12	-0.53
31	0.04	0.05	0.03	0.00	-0.01	-0.06	-0.17	-0.29	-0.41	-0.38	-0.55	-0.52	-0.49	-0.55	-0.41	-0.42	-0.22	-0.17	-0.10	-0.03	-0.01	-0.04	-0.04	0.03	-0.20	0.05	-0.55
Avg	0.45	0.43	0.49	0.51	0.49	0.46	-0.10	-0.33	-0.51	-0.66	-0.74	-0.80	-0.79	-0.77	-0.73	-0.64	-0.47	-0.25	-0.05	0.26	0.38	0.31	0.38	0.43	-0.09	0.83	-0.95
Max	1.89	1.70	1.45	1.66	1.51	1.54	0.41	-0.10	-0.17	-0.15	-0.22	-0.21	-0.16	-0.30	-0.21	-0.18	-0.09	0.54	0.32	1.34	1.82	1.14	1.78	1.78	0.23	1.89	-0.36
Min	-0.07	-0.07	-0.09	-0.09	-0.06	-0.10	-0.36	-0.67	-1.01	-1.28	-1.41	-1.54	-1.69	-1.70	-1.57	-1.34	-1.15	-0.85	-0.40	-0.10	-0.10	-0.06	-0.10	-0.08	-0.29	-0.01	-1.70

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
June 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-0.05	-0.03	-0.08	-0.09	-0.11	-0.11	-0.19	-0.33	-0.48	-0.57	-0.65	-0.73	-0.86	-1.04	-0.86	-0.61	-0.39	-0.28	-0.04	0.17	0.16	0.25	0.59	0.54	-0.24	0.59	-1.04
2	0.57	0.29	0.32	0.08	-0.05	-0.02	-0.18	-0.36	-0.48	-0.67	-0.71	-0.41	-0.41	-0.12	-0.18	-0.26	-0.10	-0.03	-0.10	-0.10	-0.04	-0.03	-0.05	-0.05	-0.13	0.57	-0.71
3	-0.02	-0.03	-0.03	-0.05	-0.07	-0.11	-0.15	-0.27	-0.26	-0.35	-0.40	-0.40	-0.62	-0.64	-0.55	-0.46	-0.39	-0.39	-0.28	-0.12	0.01	0.14	0.16	0.10	-0.22	0.16	-0.64
4	-0.05	-0.05	-0.07	-0.07	-0.02	-0.11	-0.22	-0.31	-0.45	-0.88	-0.72	-0.95	-1.11	-1.12	-1.19	-0.71	-1.08	-0.90	-0.60	-0.10	0.11	0.30	0.48	0.86	-0.37	0.86	-1.19
5	0.20	0.25	0.55	0.79	0.90	0.11	-0.18	-0.32	-0.53	-0.77	-1.04	-1.08	-0.99	-1.04	-1.01	-0.98	-0.89	-0.73	-0.42	0.28	0.19	0.00	0.06	0.71	-0.25	0.90	-1.08
6	0.18	0.74	0.74	0.71	0.99	0.16	-0.26	-0.39	-0.66	-0.81	-0.95	-1.14	-1.10	-1.16	-0.84	-0.84	-0.84	-0.63	-0.47	0.59	0.18	0.39	1.01	1.74	-0.11	1.74	-1.16
7	1.41	0.08	0.69	0.72	0.53	0.33	-0.32	-0.42	-0.69	-0.93	-0.97	-1.28	-1.25	-0.84	-0.24	-0.25	-0.09	0.11	0.10	0.31	0.58	0.51	0.52	1.21	-0.01	1.41	-1.28
8	1.06	0.38	0.85	0.44	0.22	0.05	-0.10	-0.40	-0.58	-0.88	-1.13	-1.23	-1.06	-1.10	-1.04	-0.95	-0.77	-0.33	0.33	0.63	1.57	1.13	0.54	0.37	-0.08	1.57	-1.23
9	0.43	0.56	0.50	0.68	0.66	0.33	-0.27	-0.59	-0.73	-0.92	-1.01	-1.15	-1.10	-1.08	-1.00	-0.79	-0.53	-0.29	0.14	0.74	1.80	2.67	1.78	1.14	0.08	2.67	-1.15
10	0.81	0.93	0.38	0.74	1.11	0.15	-0.33	-0.35	-0.67	-0.75	-0.88	-0.91	-0.99	-0.93	-0.92	-0.76	-0.50	-0.33	-0.21	0.06	0.21	0.30	0.44	0.19	-0.13	1.11	-0.99
11	0.26	0.17	0.28	0.41	0.64	0.47	-0.21	-0.42	-0.32	-0.17	-0.44	-0.29	-0.93	-1.08	-0.36	-0.46	-0.30	-0.11	-0.10	-0.10	0.01	0.38	0.50	0.26	-0.08	0.64	-1.08
12	0.36	0.04	0.63	0.99	0.98	0.38	0.00	-0.36	-0.65	-1.23	-1.07	-1.09	-0.93	-0.95	-0.75	-0.04	0.28	-0.02	-0.01	0.02	0.05	0.30	0.29	0.43	-0.10	0.99	-1.23
13	0.38	0.76	1.01	1.01	0.54	-0.07	-0.12	-0.16	-0.65	-0.75	-0.68	-1.11	-1.16	-0.71	-0.31	-0.24	-0.32	-0.42	-0.41	0.00	-0.03	-0.03	0.04	0.10	-0.14	1.01	-1.16
14	0.44	0.60	0.21	0.05	-0.02	-0.10	-0.17	-0.35	-0.67	-0.80	-0.77	-0.95	-0.76	-0.73	-0.80	-0.84	-0.73	-0.43	-0.09	0.31	0.80	1.63	1.16	1.30	-0.07	1.63	-0.95
15	1.38	1.83	1.52	0.88	0.35	0.02	-0.38	-0.45	-0.75	-0.99	-1.07	-1.12	-1.19	-1.12	-1.07	-0.90	-0.76	-0.51	-0.12	0.70	0.69	0.18	0.69	0.96	-0.05	1.83	-1.19
16	1.63	1.38	1.29	1.12	0.97	1.03	-0.26	-0.38	-0.51	-0.66	-0.90	-0.94	-0.96	-0.92	-0.90	-0.55	-0.70	-0.61	-0.32	0.16	0.11	0.43	0.44	0.62	0.02	1.63	-0.96
17	1.23	0.43	0.55	1.20	0.82	0.19	-0.21	-0.43	-0.90	-1.18	-1.32	-1.25	-1.01	-1.02	-0.87	-0.29	-0.15	-0.34	-0.22	-0.06	0.08	0.38	0.20	0.28	-0.16	1.23	-1.32
18	0.22	0.33	0.43	0.60	2.68	0.80	-0.18	-0.54	-0.78	-0.87	-0.91	-0.83	-0.82	-0.87	-0.37	0.00	0.04	-0.05	-0.01	-0.02	0.03	0.12	0.52	0.63	0.01	2.68	-0.91
19	0.97	0.86	0.86	0.73	0.87	0.12	-0.39	-0.41	-0.47	-0.58	-0.80	-0.70	-1.09	-0.93	0.30	0.18	0.15	0.19	-0.05	0.05	0.17	0.09	0.14	0.22	0.02	0.97	-1.09
20	0.30	0.17	0.10	0.10	0.14	0.02	-0.06	-0.33	-0.12	-0.19	-0.45	-0.58	-0.53	-0.78	-0.93	-0.70	-0.94	-0.50	0.23	0.39	0.47	0.32	0.25	-0.02	-0.15	0.47	-0.94
21	-0.01	0.00	0.43	0.48	0.37	0.04	-0.27	-0.45	-0.77	-0.65	-0.70	-0.50	-0.03	-0.35	-0.41	-0.30	-0.58	-0.35	-0.37	-0.02	0.05	0.02	0.13	0.19	-0.17	0.48	-0.77
22	0.22	0.27	0.11	0.34	0.15	-0.04	-0.14	-0.25	-0.40	-0.63	-0.43	-0.48	-0.30	-0.55	-0.38	-0.51	-0.35	-0.05	-0.26	-0.08	0.05	-0.03	0.05	0.43	-0.14	0.43	-0.63
23	0.10	0.43	0.25	-0.05	0.03	-0.12	-0.27	-0.25	-0.31	-0.76	-0.91	-0.94	-0.97	-1.00	-0.55	-0.39	-0.39	-0.30	-0.06	0.55	0.15	0.07	0.09	0.24	-0.22	0.55	-1.00
24	0.34	0.87	0.45	0.78	0.51	0.44	0.00	-0.18	0.28	0.04	-0.16	-0.44	-0.60	-0.55	0.10	-0.14	0.37	-0.14	-0.08	0.28	0.26	0.18	0.11	0.03	0.11	0.87	-0.60
25	0.11	0.21	0.14	0.25	0.13	0.29	0.02	-0.33	-0.39	-0.33	-0.71	-0.90	-0.83	-1.00	-0.79	-0.74	-0.28	0.20	0.38	0.43	0.16	0.21	0.39	0.38	-0.13	0.43	-1.00
26	0.02	0.20	0.26	0.28	0.26	0.05	0.07	-0.23	-0.31	-0.34	-0.47	-0.72	-1.05	-0.88	-1.00	-0.43	-0.34	0.00	-0.35	0.42	1.74	0.72	0.43	0.34	-0.06	1.74	-1.05
27	0.31	0.29	0.67	0.59	0.69	0.34	-0.41	-0.55	-0.67	-0.76	-0.87	-0.97	-0.95	-0.93	-0.77	-0.68	-0.49	-0.32	0.37	2.26	1.44	0.89	0.46	0.67	0.03	2.26	-0.97
28	1.08	0.90	1.18	1.32	1.29	0.83	-0.25	-0.37	-0.46	-0.67	-0.80	-0.83	-0.85	-0.83	-0.67	-0.64	-0.49	-0.28	0.11	0.54	1.39	1.30	1.31	1.30	0.23	1.39	-0.85
29	1.08	1.11	1.12	1.45	0.90	0.62	-0.24	-0.35	-0.62	-0.68	-0.60	-0.63	-0.71	-0.67	-0.52	0.38	-0.03	-0.20	-0.26	0.27	0.48	1.12	0.69	0.20	0.16	1.45	-0.71
30	0.42	0.77	0.83	0.99	0.96	0.83	-0.23	-0.27	-0.21	-0.36	-0.42	-0.61	-0.71	-0.82	-0.58	-0.41	-0.30	-0.25	-0.06	0.71	1.41	1.49	0.86	0.72	0.20	1.49	-0.82
Avg	0.51	0.49	0.54	0.58	0.58	0.23	-0.20	-0.36	-0.51	-0.67	-0.76	-0.84	-0.86	-0.86	-0.65	-0.48	-0.40	-0.28	-0.11	0.31	0.48	0.51	0.48	0.54	-0.07	1.19	-0.99
Max	1.63	1.83	1.52	1.45	2.68	1.03	0.07	-0.16	0.28	0.04	-0.16	-0.29	-0.03	-0.12	0.30	0.38	0.37	0.20	0.38	2.26	1.80	2.67	1.78	1.74	0.23	2.68	-0.60
Min	-0.05	-0.05	-0.08	-0.09	-0.11	-0.12	-0.41	-0.59	-0.90	-1.23	-1.32	-1.28	-1.25	-1.16	-1.19	-0.98	-1.08	-0.90	-0.60	-0.12	-0.04	-0.03	-0.05	-0.05	-0.37	0.16	-1.32

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
April 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0	0.0	0.0	0.0	0.0	0.2	54.0	236.1	411.0	578.9	714.2	792.9	817.0	756.8	691.2	560.1	397.5	216.8	44.1	0.0	0.0	0.0	0.0	0.0	261.3	817.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.4	57.1	232.6	415.1	579.4	713.8	792.5	814.0	777.2	690.7	561.9	394.4	214.4	41.4	0.1	0.0	0.0	0.0	0.0	261.9	814.0	0.0
3	0.0	0.0	0.0	0.0	0.0	1.0	42.8	192.0	420.0	418.5	601.8	725.9	681.0	700.2	571.6	519.6	363.2	226.2	33.3	0.0	0.0	0.0	0.0	0.0	229.0	725.9	0.0
4	0.0	0.0	0.0	0.0	0.0	0.5	54.0	196.5	405.0	547.8	675.4	684.6	492.8	473.1	322.0	209.1	164.5	41.3	13.4	0.0	0.0	0.0	0.0	0.0	178.3	684.6	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	25.7	163.8	236.0	449.6	623.0	666.6	383.2	446.7	525.1	294.5	113.3	68.5	32.7	0.4	0.0	0.0	0.0	0.0	167.9	666.6	0.0
6	0.0	0.0	0.0	0.0	0.0	2.6	60.1	206.0	270.0	232.5	205.1	291.2	294.2	458.6	328.9	99.0	113.0	51.2	16.1	0.0	0.0	0.0	0.0	0.0	109.5	458.6	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	25.0	63.8	142.7	172.2	284.7	210.0	310.9	477.1	73.7	217.9	154.9	25.0	0.8	0.0	0.0	0.0	0.0	0.0	89.9	477.1	0.0
8	0.0	0.0	0.0	0.0	0.0	0.5	31.7	150.3	234.1	392.3	674.8	442.0	538.9	555.3	467.0	362.3	208.8	110.6	37.7	1.2	0.0	0.0	0.0	0.0	175.3	674.8	0.0
9	0.0	0.0	0.0	0.0	0.0	1.0	33.3	150.8	386.4	641.1	771.5	859.0	870.0	806.0	696.1	610.3	442.4	255.8	66.8	0.7	0.0	0.0	0.0	0.0	274.6	870.0	0.0
10	0.0	0.0	0.0	0.0	0.0	3.9	38.1	128.4	244.2	495.9	587.3	838.0	842.0	833.0	691.1	422.1	181.0	77.7	19.5	2.1	0.0	0.0	0.0	0.0	225.2	842.0	0.0
11	0.0	0.0	0.0	0.0	0.0	1.6	58.8	112.1	185.6	390.9	410.1	767.0	700.5	514.8	229.1	242.8	193.4	82.4	29.4	0.2	0.0	0.0	0.0	0.0	163.3	767.0	0.0
12	0.0	0.0	0.0	0.0	0.0	1.5	47.1	152.2	360.9	483.5	600.9	808.0	903.0	640.4	691.2	423.8	437.0	213.2	33.5	0.3	0.0	0.0	0.0	0.0	241.5	903.0	0.0
13	0.0	0.0	0.0	0.0	0.0	1.4	42.9	80.1	247.2	197.4	234.4	665.2	864.0	372.0	591.3	384.1	154.0	178.8	37.1	1.1	0.0	0.0	0.0	0.0	168.8	864.0	0.0
14	0.0	0.0	0.0	0.0	0.0	2.7	37.4	142.6	208.3	430.0	630.8	637.7	635.5	473.8	346.5	298.3	311.0	207.5	36.3	0.3	0.0	0.0	0.0	0.0	183.3	637.7	0.0
15	0.0	0.0	0.0	0.0	0.0	5.3	65.9	185.6	252.9	309.4	480.7	438.6	484.1	331.2	320.8	486.0	474.8	303.2	90.5	2.2	0.0	0.0	0.0	0.0	176.3	486.0	0.0
16	0.0	0.0	0.0	0.0	0.0	4.4	79.7	197.2	220.1	338.6	372.5	361.3	299.8	299.2	266.5	274.3	375.3	211.1	87.2	1.8	0.0	0.0	0.0	0.0	141.2	375.3	0.0
17	0.0	0.0	0.0	0.0	0.0	7.3	131.0	270.5	300.5	392.7	377.6	490.2	398.4	365.3	549.7	274.0	475.8	271.6	96.6	2.8	0.0	0.0	0.0	0.0	183.5	549.7	0.0
18	0.0	0.0	0.0	0.0	0.0	8.2	126.6	316.5	503.8	641.2	752.2	789.3	878.0	611.3	356.1	563.7	262.7	179.1	61.2	1.7	0.0	0.0	0.0	0.0	252.2	878.0	0.0
19	0.0	0.0	0.0	0.0	0.0	6.4	25.1	64.0	113.8	220.0	274.5	327.3	233.1	142.8	80.8	95.6	71.9	80.7	39.0	1.6	0.0	0.0	0.0	0.0	74.0	327.3	0.0
20	0.0	0.0	0.0	0.0	0.0	1.0	25.8	91.3	210.4	255.3	267.6	394.7	369.9	422.1	714.9	436.3	471.4	228.0	42.9	2.6	0.0	0.0	0.0	0.0	163.9	714.9	0.0
21	0.0	0.0	0.0	0.0	0.0	2.5	38.7	115.2	218.7	383.7	287.7	245.4	325.1	252.9	119.9	152.0	89.1	71.7	17.3	0.6	0.0	0.0	0.0	0.0	96.7	383.7	0.0
22	0.0	0.0	0.0	0.0	0.0	8.0	121.8	278.3	593.6	651.3	837.0	476.1	678.7	690.3	576.0	580.9	526.4	336.7	114.5	5.6	0.0	0.0	0.0	0.0	269.8	837.0	0.0
23	0.0	0.0	0.0	0.0	0.0	13.7	157.4	345.2	528.0	682.6	764.9	792.2	954.0	725.3	442.4	410.6	324.6	87.9	61.6	3.9	0.0	0.0	0.0	0.0	262.3	954.0	0.0
24	0.0	0.0	0.0	0.0	0.0	9.3	125.8	202.7	396.3	528.6	535.0	767.6	761.8	861.0	781.0	664.2	472.9	243.3	93.4	4.5	0.0	0.0	0.0	0.0	268.6	861.0	0.0
25	0.0	0.0	0.0	0.0	0.0	17.6	82.5	210.5	461.4	685.0	733.0	605.5	564.3	535.8	689.7	610.7	433.3	227.3	101.9	5.0	0.0	0.0	0.0	0.0	248.5	733.0	0.0
26	0.0	0.0	0.0	0.0	0.0	25.1	167.0	343.4	534.3	693.0	816.0	894.0	866.0	831.0	772.3	647.4	449.4	225.5	79.2	6.8	0.0	0.0	0.0	0.0	306.3	894.0	0.0
27	0.0	0.0	0.0	0.0	0.0	20.5	131.4	308.4	483.2	328.1	340.3	515.2	668.1	528.4	653.5	356.7	199.4	97.0	40.1	6.3	0.0	0.0	0.0	0.0	194.9	668.1	0.0
28	0.0	0.0	0.0	0.0	0.0	4.1	52.0	212.0	487.8	388.6	689.7	398.6	788.0	649.0	392.8	581.2	418.2	312.8	113.5	6.9	0.0	0.0	0.0	0.0	229.0	788.0	0.0
29	0.0	0.0	0.0	0.0	0.0	8.9	57.7	145.2	203.5	238.7	497.8	733.0	912.0	908.0	797.4	694.8	384.8	330.8	144.9	11.5	0.0	0.0	0.0	0.0	252.9	912.0	0.0
30	0.0	0.0	0.0	0.0	0.0	11.5	62.1	145.6	386.7	389.4	681.1	750.8	624.6	702.3	522.7	395.1	384.2	214.6	128.4	7.2	0.0	0.0	0.0	0.0	225.3	750.8	0.0
Avg	0.0	0.0	0.0	0.0	0.0	5.7	68.6	188.0	335.4	437.9	547.8	605.3	631.8	571.4	498.4	414.3	314.8	179.7	58.5	2.6	0.0	0.0	0.0	0.0	202.5	710.5	0.0
Max	0.0	0.0	0.0	0.0	0.0	25.1	167.0	345.2	593.6	693.0	837.0	894.0	954.0	908.0	797.4	694.8	526.4	336.7	144.9	11.5	0.0	0.0	0.0	0.0	306.3	954.0	0.0
Min	0.0	0.0	0.0	0.0	0.0	0.0	25.0	63.8	113.8	172.2	205.1	210.0	233.1	142.8	73.7	95.6	71.9	25.0	0.8	0.0	0.0	0.0	0.0	0.0	74.0	327.3	0.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
May 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0	0.0	0.0	0.0	0.0	33.3	190.9	378.2	560.8	574.4	508.2	682.5	618.1	714.2	734.0	414.0	519.2	265.0	73.2	8.2	0.0	0.0	0.0	0.0	261.4	734.0	0.0
2	0.0	0.0	0.0	0.0	0.0	37.7	195.6	373.3	561.8	716.7	844.0	919.0	843.0	867.0	792.9	594.4	256.0	268.2	150.2	12.2	0.0	0.0	0.0	0.0	309.7	919.0	0.0
3	0.0	0.0	0.0	0.0	0.0	13.0	75.9	183.4	304.9	322.2	201.0	350.9	389.2	233.9	234.3	178.9	267.7	129.7	52.0	8.5	0.0	0.0	0.0	0.0	122.7	389.2	0.0
4	0.0	0.0	0.0	0.0	0.0	18.3	52.8	119.0	271.0	486.9	385.3	292.9	465.5	768.1	672.9	391.2	332.5	283.0	65.8	9.4	0.0	0.0	0.0	0.0	192.3	768.1	0.0
5	0.0	0.0	0.0	0.0	0.2	44.2	205.1	386.5	566.0	717.3	836.0	913.0	935.0	883.0	865.0	697.5	517.0	333.3	154.2	17.1	0.0	0.0	0.0	0.0	336.3	935.0	0.0
6	0.0	0.0	0.0	0.0	0.6	47.7	211.1	394.3	575.4	729.5	847.0	919.0	930.0	822.0	781.1	646.0	306.3	160.6	144.7	19.3	0.0	0.0	0.0	0.0	313.9	930.0	0.0
7	0.0	0.0	0.0	0.0	0.6	50.6	215.6	397.8	576.6	723.5	837.0	902.0	911.0	883.0	774.4	669.7	515.8	334.5	154.4	19.0	0.0	0.0	0.0	0.0	331.9	911.0	0.0
8	0.0	0.0	0.0	0.0	0.6	50.6	205.7	385.7	565.5	717.0	845.0	644.3	308.5	307.5	428.6	389.2	469.5	338.4	123.1	17.5	0.0	0.0	0.0	0.0	241.5	845.0	0.0
9	0.0	0.0	0.0	0.0	0.8	42.5	192.4	359.8	566.6	722.4	826.0	734.8	497.0	304.1	487.3	238.8	145.1	50.5	113.9	27.8	0.0	0.0	0.0	0.0	221.2	826.0	0.0
10	0.0	0.0	0.0	0.0	0.6	55.3	197.3	390.3	558.5	723.2	827.0	895.0	919.0	887.0	807.0	684.4	527.8	345.8	167.6	24.9	0.0	0.0	0.0	0.0	333.8	919.0	0.0
11	0.0	0.0	0.0	0.0	1.2	58.0	218.9	406.3	560.6	712.4	784.0	690.6	833.0	880.0	519.3	604.6	326.1	139.0	69.2	12.4	0.0	0.0	0.0	0.0	284.0	880.0	0.0
12	0.0	0.0	0.0	0.0	2.2	41.5	205.9	281.4	536.4	696.8	734.7	743.7	564.9	685.5	559.7	519.0	261.5	118.2	93.7	19.9	0.0	0.0	0.0	0.0	252.7	743.7	0.0
13	0.0	0.0	0.0	0.0	0.3	26.8	158.6	368.9	558.4	711.1	842.0	886.0	852.0	608.7	722.4	577.6	515.8	166.2	50.9	35.4	0.0	0.0	0.0	0.0	295.0	886.0	0.0
14	0.0	0.0	0.0	0.0	1.4	69.6	240.1	419.8	599.6	740.6	843.0	917.0	975.0	974.0	736.0	390.1	494.9	300.1	68.0	11.1	0.0	0.0	0.0	0.0	324.2	975.0	0.0
15	0.0	0.0	0.0	0.0	2.8	83.3	243.3	362.1	573.9	698.6	804.0	738.0	799.1	758.8	343.6	272.4	199.9	267.3	48.7	29.4	0.0	0.0	0.0	0.0	259.4	804.0	0.0
16	0.0	0.0	0.0	0.0	0.0	6.8	70.4	234.2	448.2	482.0	546.3	316.4	160.9	538.9	763.0	521.9	121.0	55.5	38.0	7.9	0.0	0.0	0.0	0.0	179.6	763.0	0.0
17	0.0	0.0	0.0	0.0	1.6	32.3	83.5	214.9	450.7	201.9	257.0	302.5	263.4	259.8	152.8	129.5	65.1	30.8	15.5	4.0	0.0	0.0	0.0	0.0	102.7	450.7	0.0
18	0.0	0.0	0.0	0.0	0.7	21.1	66.6	179.0	208.7	294.3	179.3	297.2	492.0	604.7	643.5	298.3	140.7	64.2	34.2	10.4	0.0	0.0	0.0	0.0	147.3	643.5	0.0
19	0.0	0.0	0.0	0.0	0.0	10.6	24.4	94.9	113.2	103.5	137.2	231.4	223.4	183.7	150.4	150.1	136.3	69.8	25.1	3.5	0.0	0.0	0.0	0.0	69.1	231.4	0.0
20	0.0	0.0	0.0	0.0	0.0	10.3	27.3	150.3	239.8	99.5	152.0	278.8	114.6	221.0	728.4	600.0	255.8	325.1	140.7	7.2	0.0	0.0	0.0	0.0	139.6	728.4	0.0
21	0.0	0.0	0.0	0.0	1.7	92.9	255.1	430.9	607.6	758.1	874.0	944.0	967.0	931.0	836.0	711.6	543.6	353.4	138.0	32.7	0.0	0.0	0.0	0.0	353.2	967.0	0.0
22	0.0	0.0	0.0	0.0	2.1	83.3	227.9	353.2	523.0	306.7	392.4	359.9	194.3	350.8	244.9	208.5	65.4	151.2	13.8	3.0	0.0	0.0	0.0	0.0	145.0	523.0	0.0
23	0.0	0.0	0.0	0.0	0.1	8.8	46.7	55.0	95.8	135.7	238.0	337.1	238.8	153.1	243.6	58.0	54.5	60.6	35.2	5.5	0.0	0.0	0.0	0.0	73.6	337.1	0.0
24	0.0	0.0	0.0	0.0	1.5	32.4	144.9	308.6	423.6	587.0	851.0	675.7	899.0	889.0	815.0	600.6	478.7	189.9	61.1	13.9	0.0	0.0	0.0	0.0	290.5	899.0	0.0
25	0.0	0.0	0.0	0.0	3.5	99.1	206.3	399.6	525.0	671.8	464.8	413.1	303.2	235.6	288.5	611.2	174.8	204.9	61.2	16.4	0.4	0.0	0.0	0.0	195.0	671.8	0.0
26	0.0	0.0	0.0	0.0	4.1	91.5	240.5	388.0	544.6	615.7	634.4	640.9	528.1	282.3	361.3	278.3	110.8	53.5	88.0	19.1	0.0	0.0	0.0	0.0	203.4	640.9	0.0
27	0.0	0.0	0.0	0.0	2.9	48.8	228.3	321.3	245.1	371.8	380.2	110.7	573.1	543.0	465.9	421.9	340.2	245.4	212.4	46.7	0.3	0.0	0.0	0.0	189.9	573.1	0.0
28	0.0	0.0	0.0	0.0	4.1	23.9	38.5	63.3	94.8	119.3	243.9	625.4	433.3	507.4	217.0	452.6	264.1	192.3	141.8	38.5	0.4	0.0	0.0	0.0	144.2	625.4	0.0
29	0.0	0.0	0.0	0.0	1.8	23.5	70.2	116.9	198.0	278.4	352.2	358.1	317.7	286.6	202.3	157.1	165.3	111.5	50.2	15.3	0.0	0.0	0.0	0.0	112.7	358.1	0.0
30	0.0	0.0	0.0	0.0	0.7	16.8	43.9	92.3	172.2	230.5	327.7	258.1	351.3	456.6	388.0	228.5	192.5	156.8	74.5	21.1	0.1	0.0	0.0	0.0	125.5	456.6	0.0
31	0.0	0.0	0.0	0.0	1.6	23.8	79.2	143.1	240.7	269.8	425.6	373.4	391.5	416.2	323.9	248.7	126.7	79.4	52.8	10.8	0.1	0.0	0.0	0.0	133.6	425.6	0.0
Avg	0.0	0.0	0.0	0.0	1.2	41.9	150.4	282.3	421.5	500.6	561.9	572.6	557.8	562.5	525.3	417.6	286.8	188.5	87.5	17.0	0.0	0.0	0.0	0.0	215.6	701.9	0.0
Max	0.0	0.0	0.0	0.0	4.1	99.1	255.1	430.9	607.6	758.1	874.0	944.0	975.0	974.0	865.0	711.6	543.6	353.4	212.4	46.7	0.4	0.0	0.0	0.0	353.2	975.0	0.0
Min	0.0	0.0	0.0	0.0	0.0	6.8	24.4	55.0	94.8	99.5	137.2	110.7	114.6	153.1	150.4	58.0	54.5	30.8	13.8	3.0	0.0	0.0	0.0	0.0	69.1	231.4	0.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
June 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0	0.0	0.0	0.0	1.5	36.4	121.4	318.3	530.4	659.8	514.4	877.0	713.2	850.0	664.3	415.8	289.2	262.8	97.3	22.8	0.2	0.0	0.0	0.0	265.6	877.0	0.0
2	0.0	0.0	0.0	0.0	1.5	43.6	181.8	422.0	346.8	631.7	655.7	488.4	307.0	114.0	106.3	114.2	23.7	9.4	6.4	1.4	0.0	0.0	0.0	0.0	143.9	655.7	0.0
3	0.0	0.0	0.0	0.0	0.5	20.0	49.0	113.1	145.4	224.8	321.3	285.1	420.0	412.7	319.6	241.8	179.4	172.7	96.3	26.2	1.1	0.0	0.0	0.0	126.2	420.0	0.0
4	0.0	0.0	0.0	0.0	0.8	13.2	68.5	119.7	291.1	528.7	356.5	463.7	703.1	759.1	788.6	330.8	661.0	432.0	254.3	76.7	2.7	0.0	0.0	0.0	243.8	788.6	0.0
5	0.0	0.0	0.0	0.0	6.2	120.3	279.9	452.0	620.7	770.2	876.0	943.0	940.0	936.0	856.0	703.2	557.7	401.5	228.4	54.7	1.1	0.0	0.0	0.0	364.5	943.0	0.0
6	0.0	0.0	0.0	0.0	10.7	116.2	191.1	430.9	614.1	723.3	805.0	916.0	959.0	951.0	846.0	690.6	566.2	401.7	230.6	56.3	1.4	0.0	0.0	0.0	354.6	959.0	0.0
7	0.0	0.0	0.0	0.0	7.0	108.1	241.4	376.3	604.2	672.3	815.0	10030	963.0	637.0	289.8	326.7	203.4	86.6	102.3	21.3	2.3	0.0	0.0	0.0	237.2	10030	0.0
8	0.0	0.0	0.0	0.0	1.7	41.0	156.9	435.6	507.8	758.0	922.0	994.0	959.0	940.0	854.0	746.1	578.3	333.3	114.1	53.2	3.0	0.0	0.0	0.0	349.9	994.0	0.0
9	0.0	0.0	0.0	0.0	8.5	110.0	274.2	449.4	618.9	767.0	874.0	945.0	968.0	932.0	859.0	747.3	593.0	424.1	228.9	82.1	3.0	0.0	0.0	0.0	370.2	968.0	0.0
10	0.0	0.0	0.0	0.0	9.5	114.0	281.7	457.9	630.7	779.4	888.0	954.0	975.0	938.0	862.0	729.7	427.2	259.6	189.6	45.9	6.6	0.0	0.0	0.0	356.2	975.0	0.0
11	0.0	0.0	0.0	0.0	3.0	24.4	220.4	420.4	240.0	96.8	279.6	183.2	794.3	657.8	134.0	248.3	156.7	118.1	58.3	65.0	0.2	0.0	0.0	0.0	154.2	794.3	0.0
12	0.0	0.0	0.0	0.0	7.5	110.3	268.6	401.2	407.9	761.3	794.1	915.0	949.0	903.0	448.1	92.3	21.9	145.9	23.8	7.2	0.0	0.0	0.0	0.0	260.7	949.0	0.0
13	0.0	0.0	0.0	0.0	5.7	84.6	53.3	157.7	523.7	374.4	395.3	871.0	856.0	420.0	122.8	192.9	243.6	244.0	206.5	25.6	0.1	0.0	0.0	0.0	199.1	871.0	0.0
14	0.0	0.0	0.0	0.0	6.5	19.8	68.0	303.5	466.9	612.7	588.3	759.1	573.3	583.9	689.2	728.8	587.5	364.1	169.6	29.9	2.8	0.0	0.0	0.0	273.1	759.1	0.0
15	0.0	0.0	0.0	0.0	8.1	115.6	280.7	459.5	629.8	780.7	890.0	957.0	981.0	952.0	873.0	749.0	596.1	425.5	249.9	83.6	2.8	0.0	0.0	0.0	376.4	981.0	0.0
16	0.0	0.0	0.0	0.0	8.6	115.2	275.4	446.7	622.2	738.7	869.0	937.0	872.0	834.0	756.1	515.9	586.0	429.2	251.5	87.4	4.2	0.0	0.0	0.0	347.9	937.0	0.0
17	0.0	0.0	0.0	0.0	7.4	105.6	266.9	439.9	605.1	751.3	861.0	932.0	958.0	807.0	709.8	234.7	197.5	375.7	249.1	79.4	1.3	0.0	0.0	0.0	315.9	958.0	0.0
18	0.0	0.0	0.0	0.0	4.9	104.9	269.2	441.2	608.4	759.5	871.0	933.0	934.0	893.0	299.8	41.2	61.7	146.8	85.8	35.5	1.6	0.0	0.0	0.0	270.5	934.0	0.0
19	0.0	0.0	0.0	0.0	6.3	112.4	230.7	257.4	507.3	586.3	649.3	647.9	880.0	705.8	17.6	16.8	10.0	6.0	4.4	1.4	0.0	0.0	0.0	0.0	193.3	880.0	0.0
20	0.0	0.0	0.0	0.0	8.6	62.5	151.3	335.1	132.9	197.3	425.3	518.6	387.5	718.6	730.7	644.2	625.8	355.6	93.5	33.7	2.2	0.0	0.0	0.0	226.0	730.7	0.0
21	0.0	0.0	0.0	0.0	3.4	86.1	233.6	453.7	638.7	583.2	519.1	344.0	114.6	555.8	372.1	210.5	460.2	293.5	267.9	88.0	2.9	0.0	0.0	0.0	217.8	638.7	0.0
22	0.0	0.0	0.0	0.0	10.7	25.9	43.8	172.9	306.3	463.5	271.8	264.2	321.5	635.2	275.8	444.7	327.2	79.9	157.5	27.1	4.8	0.0	0.0	0.0	159.7	635.2	0.0
23	0.0	0.0	0.0	0.0	7.6	82.1	271.5	436.4	553.6	764.9	888.0	933.0	10010	965.0	506.7	389.9	382.1	294.4	177.9	51.0	2.1	0.0	0.0	0.0	291.6	10010	0.0
24	0.0	0.0	0.0	0.0	10.1	57.2	119.7	239.7	205.4	330.7	459.7	614.8	668.8	726.3	268.1	350.6	53.5	237.3	92.6	44.1	2.9	0.0	0.0	0.0	186.7	726.3	0.0
25	0.0	0.0	0.0	0.0	1.7	24.7	171.7	375.7	498.4	390.0	693.1	869.0	828.0	872.0	740.1	669.3	356.8	101.3	96.3	16.8	0.5	0.0	0.0	0.0	279.4	872.0	0.0
26	0.0	0.0	0.0	0.0	4.9	39.6	97.3	176.7	334.4	347.9	474.2	649.3	980.0	805.0	850.0	434.9	362.1	135.6	256.8	91.1	3.5	0.0	0.0	0.0	251.8	980.0	0.0
27	0.0	0.0	0.0	0.0	6.3	108.5	263.4	445.1	602.7	747.3	857.0	935.0	960.0	925.0	858.0	741.9	586.2	418.8	213.2	31.2	4.3	0.0	0.0	0.0	362.7	960.0	0.0
28	0.0	0.0	0.0	0.0	5.4	104.6	260.2	431.6	597.7	744.0	852.0	929.0	965.0	925.0	824.0	739.8	596.1	423.6	248.7	91.1	3.6	0.0	0.0	0.0	364.2	965.0	0.0
29	0.0	0.0	0.0	0.0	5.6	106.1	261.2	435.5	603.0	747.3	860.0	937.0	965.0	922.0	684.0	62.3	41.7	323.4	310.8	66.6	6.0	0.0	0.0	0.0	305.7	965.0	0.0
30	0.0	0.0	0.0	0.0	4.6	106.8	249.0	240.6	177.0	604.0	740.0	914.0	879.0	908.0	850.0	739.3	587.6	419.5	239.1	82.9	3.5	0.0	0.0	0.0	322.7	914.0	0.0
Avg	0.0	0.0	0.0	0.0	5.8	77.3	196.7	354.9	472.4	596.6	675.5	755.5	785.3	772.8	581.9	443.1	364.0	270.7	166.7	49.3	2.4	0.0	0.0	0.0	272.4	865.3	0.0
Max	0.0	0.0	0.0	0.0	10.7	120.3	281.7	459.5	638.7	780.7	922.0	10030	10010	965.0	873.0	749.0	661.0	432.0	310.8	91.1	6.6	0.0	0.0	0.0	376.4	994.0	0.0
Min	0.0	0.0	0.0	0.0	0.5	13.2	43.8	113.1	132.9	96.8	271.8	183.2	114.6	114.0	17.6	16.8	10.0	6.0	4.4	1.4	0.0	0.0	0.0	0.0	126.2	420.0	0.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
April 2013

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	24.46	24.46	24.46	24.46	24.46	24.46	24.46	24.47	24.47	24.46	24.46	24.46	24.46	24.45	24.44	24.43	24.43	24.42	24.42	24.43	24.44	24.44	24.43	24.43	24.45	24.47	24.42
2	24.43	24.43	24.43	24.44	24.44	24.44	24.44	24.45	24.45	24.45	24.44	24.43	24.42	24.41	24.40	24.39	24.37	24.37	24.37	24.37	24.38	24.38	24.38	24.38	24.41	24.45	24.37
3	24.37	24.39	24.39	24.40	24.41	24.42	24.44	24.46	24.48	24.48	24.48	24.48	24.48	24.48	24.48	24.47	24.46	24.46	24.46	24.45	24.46	24.46	24.45	24.45	24.45	24.48	24.37
4	24.44	24.43	24.43	24.43	24.43	24.42	24.42	24.43	24.43	24.41	24.40	24.38	24.36	24.34	24.33	24.31	24.29	24.28	24.28	24.27	24.25	24.23	24.22	24.22	24.35	24.44	24.22
5	24.23	24.22	24.20	24.19	24.18	24.19	24.20	24.20	24.20	24.21	24.21	24.20	24.19	24.19	24.18	24.18	24.20	24.21	24.22	24.23	24.26	24.26	24.28	24.29	24.21	24.29	24.18
6	24.29	24.28	24.28	24.27	24.26	24.25	24.25	24.26	24.26	24.25	24.25	24.24	24.23	24.23	24.23	24.23	24.24	24.25	24.24	24.23	24.23	24.23	24.23	24.23	24.25	24.29	24.23
7	24.22	24.21	24.19	24.17	24.15	24.14	24.13	24.12	24.11	24.09	24.08	24.06	24.05	24.04	24.02	24.02	24.02	24.03	24.05	24.06	24.09	24.12	24.14	24.16	24.10	24.22	24.02
8	24.17	24.18	24.19	24.21	24.21	24.23	24.25	24.27	24.29	24.31	24.33	24.35	24.35	24.37	24.38	24.39	24.42	24.44	24.46	24.49	24.51	24.52	24.53	24.53	24.35	24.53	24.17
9	24.54	24.55	24.56	24.56	24.56	24.58	24.60	24.61	24.59	24.60	24.60	24.59	24.57	24.57	24.57	24.55	24.54	24.53	24.52	24.53	24.54	24.54	24.53	24.52	24.56	24.61	24.52
10	24.51	24.49	24.47	24.45	24.43	24.43	24.43	24.42	24.41	24.41	24.39	24.37	24.33	24.31	24.29	24.27	24.24	24.22	24.20	24.20	24.21	24.20	24.19	24.20	24.34	24.51	24.19
11	24.20	24.21	24.22	24.23	24.24	24.26	24.27	24.29	24.29	24.30	24.31	24.30	24.29	24.28	24.28	24.28	24.28	24.28	24.28	24.29	24.31	24.32	24.32	24.32	24.28	24.32	24.20
12	24.33	24.33	24.33	24.34	24.34	24.35	24.36	24.38	24.39	24.39	24.38	24.36	24.34	24.32	24.29	24.26	24.23	24.20	24.17	24.14	24.12	24.09	24.06	24.05	24.27	24.39	24.05
13	24.03	24.01	23.98	23.96	23.93	23.91	23.88	23.88	23.88	23.88	23.89	23.89	23.87	23.88	23.89	23.91	23.95	23.97	23.99	24.01	24.03	24.04	24.05	24.05	23.95	24.05	23.87
14	24.06	24.06	24.06	24.08	24.09	24.10	24.11	24.12	24.13	24.14	24.15	24.15	24.16	24.16	24.17	24.17	24.18	24.19	24.20	24.23	24.24	24.25	24.24	24.24	24.15	24.25	24.06
15	24.24	24.24	24.23	24.24	24.25	24.26	24.27	24.27	24.27	24.27	24.27	24.27	24.28	24.28	24.29	24.30	24.31	24.33	24.34	24.38	24.41	24.42	24.42	24.41	24.30	24.42	24.23
16	24.39	24.40	24.41	24.42	24.43	24.42	24.43	24.42	24.42	24.42	24.42	24.41	24.41	24.41	24.43	24.43	24.45	24.46	24.48	24.50	24.52	24.54	24.54	24.54	24.45	24.54	24.39
17	24.54	24.54	24.54	24.53	24.53	24.53	24.53	24.52	24.52	24.52	24.52	24.52	24.52	24.52	24.52	24.51	24.52	24.53	24.53	24.53	24.54	24.55	24.54	24.53	24.53	24.55	24.51
18	24.53	24.52	24.51	24.51	24.50	24.50	24.50	24.50	24.49	24.49	24.49	24.49	24.48	24.49	24.48	24.48	24.48	24.47	24.47	24.47	24.47	24.47	24.45	24.44	24.49	24.53	24.44
19	24.43	24.42	24.41	24.39	24.38	24.38	24.36	24.35	24.34	24.33	24.32	24.30	24.29	24.27	24.26	24.25	24.25	24.24	24.23	24.23	24.24	24.25	24.25	24.25	24.31	24.43	24.23
20	24.25	24.26	24.25	24.26	24.26	24.26	24.27	24.28	24.28	24.28	24.29	24.29	24.27	24.27	24.27	24.27	24.28	24.29	24.30	24.31	24.33	24.34	24.35	24.36	24.29	24.36	24.25
21	24.36	24.36	24.37	24.37	24.38	24.40	24.41	24.41	24.41	24.41	24.41	24.40	24.40	24.40	24.39	24.40	24.41	24.43	24.45	24.47	24.48	24.50	24.50	24.51	24.42	24.51	24.36
22	24.52	24.52	24.53	24.54	24.56	24.58	24.59	24.60	24.62	24.62	24.63	24.63	24.63	24.62	24.62	24.61	24.60	24.60	24.59	24.60	24.62	24.62	24.61	24.61	24.59	24.63	24.52
23	24.59	24.58	24.57	24.56	24.55	24.55	24.54	24.53	24.53	24.51	24.51	24.50	24.48	24.47	24.47	24.47	24.46	24.46	24.46	24.47	24.48	24.49	24.49	24.49	24.51	24.59	24.46
24	24.50	24.51	24.50	24.51	24.52	24.52	24.53	24.54	24.55	24.54	24.53	24.51	24.48	24.46	24.43	24.40	24.38	24.35	24.34	24.34	24.35	24.34	24.32	24.32	24.45	24.55	24.32
25	24.32	24.31	24.30	24.29	24.29	24.29	24.30	24.30	24.30	24.30	24.29	24.28	24.28	24.27	24.28	24.28	24.29	24.30	24.33	24.35	24.39	24.41	24.42	24.43	24.32	24.43	24.27
26	24.44	24.45	24.45	24.47	24.48	24.50	24.51	24.53	24.53	24.53	24.53	24.52	24.51	24.50	24.49	24.49	24.48	24.49	24.50	24.51	24.53	24.54	24.53	24.52	24.50	24.54	24.44
27	24.51	24.51	24.51	24.51	24.51	24.50	24.49	24.48	24.48	24.49	24.47	24.46	24.41	24.39	24.36	24.35	24.34	24.35	24.34	24.35	24.37	24.37	24.36	24.37	24.43	24.51	24.34
28	24.37	24.37	24.37	24.38	24.38	24.39	24.40	24.40	24.40	24.38	24.38	24.37	24.36	24.35	24.33	24.31	24.28	24.28	24.27	24.27	24.26	24.25	24.24	24.22	24.33	24.40	24.22
29	24.21	24.18	24.16	24.14	24.12	24.09	24.10	24.08	24.06	24.03	24.01	24.01	23.98	23.96	23.96	23.99	24.03	24.06	24.08	24.11	24.14	24.15	24.15	24.17	24.08	24.21	23.96
30	24.17	24.17	24.19	24.19	24.20	24.21	24.23	24.25	24.26	24.27	24.30	24.31	24.33	24.34	24.36	24.37	24.39	24.42	24.44	24.46	24.50	24.52	24.54	24.55	24.33	24.55	24.17
Avg	24.36	24.35	24.35	24.35	24.35	24.35	24.36	24.36	24.36	24.36	24.36	24.35	24.34	24.33	24.33	24.33	24.33	24.33	24.33	24.34	24.36	24.36	24.36	24.36	24.35	24.43	24.27
Max	24.59	24.58	24.57	24.56	24.56	24.58	24.60	24.61	24.62	24.62	24.63	24.63	24.63	24.62	24.62	24.61	24.60	24.60	24.59	24.60	24.62	24.62	24.61	24.61	24.59	24.63	24.52
Min	24.03	24.01	23.98	23.96	23.93	23.91	23.88	23.88	23.88	23.88	23.89	23.89	23.87	23.88	23.89	23.91	23.95	23.97	23.99	24.01	24.03	24.04	24.05	24.05	23.95	24.05	23.87

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
May 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.56	24.58	24.59	24.61	24.63	24.66	24.67	24.69	24.71	24.71	24.72	24.73	24.74	24.75	24.75	24.76	24.76	24.77	24.78	24.79	24.81	24.82	24.83	24.85	24.72	24.85	24.56
2	24.85	24.86	24.86	24.86	24.86	24.86	24.85	24.86	24.85	24.83	24.81	24.79	24.76	24.75	24.73	24.70	24.68	24.67	24.65	24.64	24.64	24.64	24.63	24.61	24.76	24.86	24.61
3	24.60	24.59	24.59	24.58	24.58	24.59	24.59	24.59	24.58	24.58	24.58	24.58	24.57	24.57	24.57	24.57	24.57	24.58	24.58	24.58	24.58	24.59	24.59	24.59	24.58	24.60	24.57
4	24.59	24.59	24.58	24.59	24.59	24.60	24.60	24.61	24.61	24.62	24.63	24.63	24.62	24.62	24.61	24.60	24.61	24.61	24.61	24.60	24.61	24.61	24.60	24.59	24.61	24.63	24.58
5	24.58	24.56	24.55	24.55	24.54	24.53	24.55	24.55	24.55	24.54	24.54	24.53	24.51	24.49	24.48	24.47	24.46	24.46	24.45	24.45	24.46	24.47	24.46	24.46	24.51	24.58	24.45
6	24.45	24.44	24.44	24.43	24.44	24.44	24.46	24.45	24.44	24.44	24.44	24.42	24.40	24.39	24.38	24.36	24.35	24.34	24.34	24.34	24.35	24.36	24.36	24.36	24.40	24.46	24.34
7	24.35	24.35	24.34	24.34	24.34	24.34	24.36	24.36	24.35	24.37	24.38	24.39	24.39	24.39	24.40	24.40	24.40	24.41	24.42	24.44	24.46	24.47	24.48	24.49	24.39	24.49	24.34
8	24.50	24.50	24.50	24.51	24.50	24.51	24.53	24.54	24.54	24.54	24.54	24.53	24.53	24.52	24.53	24.53	24.52	24.52	24.51	24.52	24.53	24.54	24.54	24.55	24.52	24.55	24.50
9	24.55	24.55	24.55	24.55	24.55	24.55	24.57	24.57	24.57	24.56	24.55	24.55	24.54	24.53	24.53	24.53	24.53	24.54	24.55	24.55	24.56	24.57	24.57	24.58	24.55	24.58	24.53
10	24.59	24.58	24.59	24.59	24.59	24.61	24.65	24.68	24.71	24.72	24.73	24.74	24.73	24.71	24.70	24.70	24.69	24.69	24.70	24.71	24.73	24.73	24.74	24.74	24.68	24.74	24.58
11	24.74	24.74	24.72	24.71	24.70	24.69	24.69	24.69	24.67	24.66	24.65	24.64	24.62	24.61	24.59	24.57	24.56	24.56	24.55	24.55	24.56	24.57	24.57	24.57	24.63	24.74	24.55
12	24.58	24.57	24.56	24.56	24.55	24.55	24.56	24.57	24.56	24.55	24.54	24.53	24.52	24.51	24.49	24.47	24.46	24.45	24.44	24.44	24.45	24.47	24.48	24.48	24.51	24.58	24.44
13	24.48	24.48	24.47	24.47	24.48	24.49	24.50	24.50	24.48	24.46	24.44	24.42	24.40	24.38	24.34	24.31	24.28	24.24	24.23	24.24	24.30	24.34	24.35	24.38	24.39	24.50	24.23
14	24.37	24.38	24.38	24.39	24.40	24.42	24.43	24.44	24.44	24.43	24.43	24.42	24.40	24.39	24.38	24.38	24.37	24.36	24.37	24.39	24.42	24.43	24.43	24.44	24.40	24.44	24.36
15	24.44	24.45	24.45	24.44	24.44	24.45	24.47	24.47	24.46	24.44	24.43	24.42	24.40	24.39	24.38	24.38	24.36	24.35	24.35	24.36	24.36	24.36	24.37	24.37	24.41	24.47	24.35
16	24.36	24.35	24.34	24.33	24.33	24.34	24.34	24.34	24.34	24.33	24.32	24.31	24.33	24.31	24.30	24.29	24.29	24.31	24.32	24.33	24.33	24.34	24.34	24.34	24.33	24.36	24.29
17	24.34	24.33	24.33	24.32	24.32	24.32	24.33	24.33	24.33	24.32	24.32	24.32	24.32	24.31	24.31	24.31	24.31	24.32	24.33	24.34	24.34	24.35	24.35	24.35	24.33	24.35	24.31
18	24.35	24.35	24.35	24.35	24.35	24.36	24.37	24.38	24.38	24.37	24.37	24.36	24.36	24.35	24.36	24.36	24.37	24.37	24.39	24.39	24.41	24.41	24.41	24.41	24.37	24.41	24.35
19	24.41	24.42	24.42	24.42	24.43	24.43	24.44	24.44	24.45	24.46	24.47	24.47	24.48	24.48	24.49	24.50	24.50	24.51	24.52	24.52	24.53	24.54	24.54	24.54	24.48	24.54	24.41
20	24.54	24.54	24.54	24.55	24.56	24.57	24.58	24.59	24.59	24.59	24.59	24.59	24.59	24.59	24.59	24.57	24.56	24.56	24.56	24.56	24.56	24.56	24.54	24.53	24.57	24.59	24.53
21	24.52	24.51	24.49	24.48	24.48	24.48	24.48	24.48	24.47	24.45	24.44	24.42	24.40	24.39	24.37	24.35	24.33	24.32	24.32	24.32	24.33	24.33	24.34	24.34	24.41	24.52	24.32
22	24.33	24.32	24.30	24.29	24.28	24.28	24.28	24.28	24.28	24.29	24.29	24.29	24.30	24.30	24.30	24.30	24.33	24.30	24.32	24.30	24.30	24.32	24.30	24.30	24.30	24.33	24.28
23	24.28	24.26	24.26	24.28	24.28	24.29	24.29	24.30	24.31	24.31	24.32	24.32	24.32	24.32	24.31	24.32	24.31	24.30	24.30	24.29	24.29	24.32	24.31	24.28	24.30	24.32	24.26
24	24.28	24.28	24.29	24.29	24.30	24.32	24.33	24.34	24.36	24.36	24.36	24.36	24.35	24.36	24.36	24.36	24.35	24.35	24.35	24.36	24.38	24.40	24.40	24.40	24.35	24.40	24.28
25	24.39	24.38	24.38	24.38	24.38	24.39	24.40	24.39	24.39	24.38	24.37	24.36	24.37	24.38	24.38	24.37	24.36	24.36	24.37	24.38	24.40	24.42	24.43	24.43	24.38	24.43	24.36
26	24.42	24.42	24.42	24.42	24.42	24.42	24.42	24.41	24.40	24.40	24.39	24.38	24.37	24.36	24.35	24.34	24.34	24.35	24.35	24.34	24.38	24.37	24.35	24.35	24.38	24.42	24.34
27	24.35	24.33	24.34	24.33	24.34	24.33	24.33	24.33	24.32	24.32	24.32	24.32	24.32	24.31	24.31	24.30	24.29	24.28	24.27	24.26	24.26	24.27	24.26	24.25	24.31	24.35	24.25
28	24.24	24.23	24.23	24.22	24.21	24.21	24.21	24.21	24.22	24.22	24.22	24.22	24.21	24.21	24.22	24.21	24.21	24.21	24.21	24.22	24.23	24.23	24.23	24.23	24.22	24.24	24.21
29	24.23	24.21	24.21	24.20	24.19	24.19	24.19	24.19	24.18	24.18	24.18	24.18	24.18	24.18	24.18	24.18	24.17	24.17	24.17	24.17	24.18	24.19	24.18	24.18	24.19	24.23	24.17
30	24.19	24.18	24.18	24.19	24.20	24.20	24.21	24.23	24.24	24.25	24.26	24.27	24.27	24.28	24.30	24.31	24.32	24.33	24.34	24.34	24.35	24.36	24.37	24.37	24.27	24.37	24.18
31	24.37	24.37	24.37	24.38	24.39	24.40	24.41	24.41	24.43	24.44	24.46	24.47	24.49	24.51	24.54	24.56	24.58	24.60	24.62	24.64	24.65	24.66	24.67	24.66	24.50	24.67	24.37
Avg	24.45	24.44	24.44	24.44	24.44	24.45	24.45	24.46	24.46	24.46	24.45	24.45	24.44	24.44	24.44	24.43	24.43	24.43	24.43	24.43	24.44	24.45	24.45	24.45	24.44	24.50	24.38
Max	24.85	24.86	24.86	24.86	24.86	24.86	24.85	24.86	24.85	24.83	24.81	24.79	24.76	24.75	24.75	24.76	24.76	24.77	24.78	24.79	24.81	24.82	24.83	24.85	24.76	24.86	24.61
Min	24.19	24.18	24.18	24.19	24.19	24.19	24.19	24.19	24.18	24.18	24.18	24.18	24.18	24.18	24.18	24.18	24.17	24.17	24.17	24.17	24.18	24.19	24.18	24.18	24.19	24.23	24.17

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
June 2013

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	24.66	24.66	24.66	24.65	24.65	24.65	24.64	24.65	24.65	24.63	24.62	24.61	24.59	24.57	24.56	24.55	24.54	24.52	24.51	24.51	24.51	24.50	24.50	24.48	24.59	24.66	24.48
2	24.47	24.45	24.45	24.45	24.44	24.42	24.41	24.40	24.39	24.37	24.35	24.32	24.30	24.29	24.30	24.29	24.29	24.29	24.28	24.29	24.28	24.30	24.29	24.27	24.35	24.47	24.27
3	24.27	24.26	24.26	24.26	24.26	24.26	24.26	24.26	24.26	24.27	24.28	24.31	24.33	24.35	24.38	24.40	24.42	24.44	24.46	24.47	24.49	24.49	24.49	24.50	24.35	24.50	24.26
4	24.51	24.51	24.51	24.51	24.52	24.54	24.55	24.56	24.58	24.59	24.59	24.60	24.60	24.60	24.60	24.60	24.60	24.60	24.60	24.61	24.61	24.62	24.61	24.61	24.58	24.62	24.51
5	24.60	24.58	24.57	24.57	24.57	24.57	24.58	24.58	24.57	24.56	24.55	24.54	24.53	24.52	24.51	24.49	24.49	24.48	24.47	24.47	24.48	24.49	24.49	24.49	24.53	24.60	24.47
6	24.49	24.49	24.49	24.50	24.50	24.52	24.54	24.54	24.54	24.54	24.54	24.54	24.53	24.52	24.52	24.50	24.49	24.48	24.47	24.47	24.49	24.50	24.49	24.48	24.51	24.54	24.47
7	24.47	24.46	24.45	24.44	24.44	24.44	24.44	24.43	24.41	24.40	24.39	24.36	24.35	24.34	24.33	24.31	24.29	24.28	24.28	24.28	24.30	24.32	24.34	24.34	24.37	24.47	24.28
8	24.35	24.36	24.38	24.39	24.40	24.42	24.42	24.42	24.42	24.41	24.41	24.41	24.41	24.40	24.40	24.40	24.39	24.39	24.39	24.40	24.40	24.42	24.43	24.43	24.40	24.43	24.35
9	24.44	24.44	24.43	24.43	24.42	24.43	24.43	24.41	24.40	24.38	24.35	24.34	24.32	24.31	24.29	24.29	24.28	24.27	24.28	24.30	24.31	24.33	24.33	24.34	24.36	24.44	24.27
10	24.35	24.36	24.36	24.35	24.35	24.37	24.37	24.37	24.36	24.35	24.35	24.34	24.33	24.32	24.30	24.28	24.27	24.28	24.29	24.30	24.31	24.32	24.32	24.32	24.33	24.37	24.27
11	24.33	24.32	24.31	24.32	24.32	24.33	24.34	24.33	24.33	24.33	24.34	24.36	24.34	24.35	24.36	24.37	24.40	24.39	24.37	24.43	24.47	24.46	24.47	24.49	24.37	24.49	24.31
12	24.49	24.50	24.49	24.48	24.48	24.48	24.48	24.46	24.46	24.46	24.46	24.45	24.44	24.41	24.40	24.38	24.39	24.42	24.41	24.43	24.45	24.45	24.43	24.40	24.45	24.50	24.38
13	24.38	24.39	24.38	24.38	24.38	24.38	24.39	24.38	24.39	24.39	24.40	24.38	24.38	24.37	24.39	24.42	24.41	24.42	24.41	24.42	24.44	24.45	24.45	24.44	24.40	24.45	24.37
14	24.43	24.41	24.41	24.40	24.40	24.42	24.43	24.43	24.44	24.44	24.45	24.46	24.47	24.47	24.47	24.46	24.46	24.46	24.47	24.47	24.48	24.50	24.52	24.52	24.45	24.52	24.40
15	24.50	24.50	24.50	24.50	24.49	24.51	24.51	24.51	24.51	24.50	24.50	24.49	24.48	24.48	24.47	24.46	24.45	24.45	24.45	24.46	24.48	24.50	24.51	24.51	24.49	24.51	24.45
16	24.52	24.52	24.52	24.52	24.52	24.54	24.55	24.55	24.55	24.54	24.55	24.55	24.55	24.55	24.54	24.54	24.55	24.54	24.55	24.56	24.58	24.59	24.59	24.59	24.55	24.59	24.52
17	24.59	24.58	24.58	24.58	24.57	24.58	24.58	24.57	24.57	24.56	24.56	24.55	24.53	24.52	24.51	24.50	24.49	24.48	24.47	24.47	24.47	24.49	24.50	24.49	24.53	24.59	24.47
18	24.48	24.47	24.46	24.45	24.45	24.44	24.43	24.43	24.41	24.39	24.38	24.37	24.35	24.33	24.32	24.30	24.30	24.27	24.25	24.24	24.24	24.24	24.24	24.25	24.35	24.48	24.24
19	24.25	24.23	24.21	24.21	24.21	24.20	24.19	24.18	24.17	24.15	24.14	24.14	24.12	24.11	24.13	24.15	24.16	24.16	24.29	24.26	24.22	24.23	24.24	24.24	24.19	24.29	24.11
20	24.25	24.26	24.25	24.26	24.26	24.27	24.29	24.31	24.33	24.35	24.37	24.38	24.41	24.41	24.40	24.40	24.41	24.41	24.42	24.43	24.45	24.47	24.48	24.47	24.36	24.48	24.25
21	24.47	24.46	24.45	24.45	24.45	24.46	24.47	24.47	24.46	24.46	24.46	24.45	24.46	24.46	24.46	24.46	24.47	24.47	24.47	24.47	24.48	24.49	24.48	24.48	24.47	24.49	24.45
22	24.47	24.46	24.44	24.44	24.44	24.45	24.45	24.45	24.45	24.45	24.45	24.46	24.45	24.44	24.43	24.41	24.42	24.43	24.44	24.45	24.46	24.46	24.45	24.44	24.45	24.47	24.41
23	24.42	24.41	24.40	24.39	24.39	24.39	24.39	24.39	24.37	24.36	24.35	24.34	24.32	24.31	24.30	24.30	24.29	24.28	24.28	24.28	24.28	24.29	24.28	24.27	24.34	24.42	24.27
24	24.26	24.25	24.24	24.24	24.23	24.22	24.22	24.21	24.19	24.18	24.18	24.18	24.18	24.17	24.17	24.17	24.19	24.20	24.20	24.22	24.22	24.23	24.22	24.22	24.21	24.26	24.17
25	24.24	24.26	24.27	24.28	24.29	24.30	24.31	24.32	24.32	24.33	24.34	24.34	24.34	24.34	24.33	24.32	24.32	24.33	24.35	24.35	24.37	24.38	24.38	24.39	24.32	24.39	24.24
26	24.39	24.40	24.40	24.42	24.42	24.44	24.46	24.46	24.48	24.48	24.49	24.50	24.49	24.49	24.49	24.49	24.50	24.52	24.54	24.55	24.56	24.58	24.59	24.59	24.49	24.59	24.39
27	24.60	24.60	24.61	24.62	24.62	24.64	24.66	24.66	24.65	24.65	24.66	24.67	24.67	24.67	24.67	24.67	24.67	24.66	24.67	24.68	24.69	24.72	24.72	24.73	24.66	24.73	24.60
28	24.73	24.73	24.73	24.73	24.74	24.75	24.76	24.75	24.75	24.74	24.74	24.74	24.73	24.72	24.71	24.70	24.68	24.68	24.67	24.68	24.68	24.70	24.70	24.71	24.72	24.76	24.67
29	24.70	24.70	24.70	24.70	24.70	24.70	24.69	24.68	24.67	24.66	24.65	24.65	24.64	24.62	24.60	24.61	24.65	24.62	24.61	24.61	24.62	24.64	24.63	24.63	24.65	24.70	24.60
30	24.62	24.61	24.60	24.61	24.60	24.61	24.61	24.62	24.63	24.62	24.62	24.62	24.62	24.61	24.61	24.62	24.61	24.61	24.62	24.63	24.64	24.66	24.67	24.68	24.62	24.68	24.60
Avg	24.46	24.45	24.45	24.45	24.45	24.46	24.46	24.46	24.46	24.45	24.45	24.45	24.44	24.44	24.43	24.43	24.43	24.43	24.43	24.44	24.45	24.46	24.46	24.46	24.45	24.52	24.38
Max	24.73	24.73	24.73	24.73	24.74	24.75	24.76	24.75	24.75	24.74	24.74	24.74	24.73	24.72	24.71	24.70	24.68	24.68	24.67	24.68	24.69	24.72	24.72	24.73	24.72	24.76	24.67
Min	24.24	24.23	24.21	24.21	24.21	24.20	24.19	24.18	24.17	24.15	24.14	24.14	24.12	24.11	24.13	24.15	24.16	24.16	24.20	24.22	24.22	24.23	24.22	24.22	24.19	24.26	24.11

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
April 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	80.6	82.9	84.7	85.8	82.0	82.2	84.6	75.3	61.9	47.4	44.7	44.4	40.6	36.8	36.6	34.4	35.7	38.6	44.2	46.4	41.3	45.0	50.5	59.7	56.9	85.8	34.4
2	64.3	72.6	77.8	83.8	84.5	84.1	81.8	74.3	61.0	48.1	37.5	37.2	37.2	34.6	33.3	32.4	32.2	34.4	40.9	55.4	65.0	72.6	79.6	81.2	58.6	84.5	32.2
3	79.3	73.2	79.0	81.3	83.6	84.1	84.0	80.5	69.7	54.0	50.3	50.9	47.3	50.6	50.1	46.5	44.5	44.6	51.9	64.9	69.1	74.0	75.3	78.8	65.3	84.1	44.5
4	83.9	85.6	86.3	88.0	87.5	88.7	88.4	82.6	67.4	54.7	44.8	42.3	38.1	35.2	31.6	33.2	34.5	39.0	56.7	76.0	84.1	78.0	70.2	74.0	64.6	88.7	31.6
5	80.8	86.3	89.6	92.1	92.1	92.6	90.4	80.2	76.6	67.2	60.6	55.9	52.6	49.8	43.7	41.5	40.0	42.0	44.6	48.3	54.9	59.3	63.6	63.5	65.3	92.6	40.0
6	66.3	67.4	65.5	73.1	78.5	81.1	81.4	70.2	56.9	53.8	53.8	52.2	54.9	59.6	60.4	71.1	82.2	83.4	84.9	77.1	81.6	85.2	88.2	88.8	71.6	88.8	52.2
7	81.3	82.2	83.3	83.5	85.1	85.6	83.7	85.2	81.4	79.0	77.8	71.4	71.5	70.5	83.9	89.6	84.5	84.1	89.8	95.1	90.1	88.7	90.1	89.9	83.6	95.1	70.5
8	88.8	83.4	79.3	77.9	74.4	73.1	73.3	74.3	69.4	69.8	66.6	71.7	78.0	77.0	78.0	79.6	80.1	81.8	81.4	81.1	81.2	82.6	82.5	82.0	77.8	88.8	66.6
9	81.3	80.1	79.0	77.9	77.2	77.5	76.5	76.6	78.1	64.4	56.9	56.6	50.8	58.0	63.2	63.7	64.2	69.3	73.4	79.6	81.4	82.3	81.4	82.7	72.2	82.7	50.8
10	84.9	84.9	84.9	85.3	85.0	84.3	83.7	80.4	73.3	66.2	69.4	69.0	68.6	66.1	64.8	61.7	61.7	60.5	72.2	79.9	81.8	77.4	72.5	75.2	74.7	85.3	60.5
11	75.5	73.1	73.1	75.1	80.9	83.5	81.4	83.1	80.2	71.0	63.8	51.4	46.1	43.7	44.8	41.8	39.3	40.6	44.8	50.9	54.6	58.4	63.4	70.9	62.1	83.5	39.3
12	74.8	83.8	87.5	85.0	83.8	88.8	90.4	85.9	77.0	66.1	59.0	53.4	48.1	45.4	39.2	38.1	39.2	37.8	41.5	47.1	51.7	54.2	55.1	58.6	62.1	90.4	37.8
13	60.8	67.6	86.5	93.6	95.7	94.1	92.4	88.4	82.3	66.8	59.0	54.1	48.6	50.5	46.7	37.0	35.5	37.1	50.4	51.3	58.2	65.4	67.6	70.8	65.0	95.7	35.5
14	76.8	85.1	81.5	77.3	77.5	77.0	75.5	74.9	74.0	71.5	67.1	64.0	62.0	60.4	61.1	60.8	61.9	66.1	70.1	69.9	73.9	82.8	83.0	82.8	72.4	85.1	60.4
15	83.2	83.5	84.3	83.1	82.8	81.2	79.5	71.8	65.7	60.4	58.6	55.2	54.4	51.9	51.4	50.0	49.9	51.0	54.8	62.8	67.0	70.6	71.5	76.0	66.7	84.3	49.9
16	75.7	77.5	79.5	80.3	80.0	80.1	78.3	72.6	63.4	59.1	52.6	48.4	45.9	46.7	50.5	49.9	46.2	53.2	57.3	60.8	64.9	69.5	74.7	76.0	64.3	80.3	45.9
17	79.3	80.3	81.0	81.7	80.9	81.5	79.2	75.4	67.1	69.1	64.6	59.8	61.6	54.1	52.4	44.8	41.5	42.8	43.4	52.9	61.2	67.2	67.9	69.6	65.0	81.7	41.5
18	71.6	74.4	76.8	78.5	79.2	79.8	76.1	66.1	50.6	49.0	46.3	44.1	41.3	42.1	42.8	40.8	42.9	42.8	48.0	51.7	52.2	53.1	60.0	63.8	57.2	79.8	40.8
19	64.4	66.9	67.2	74.8	79.0	80.7	82.7	83.6	86.6	91.2	91.2	89.2	87.6	84.4	85.1	89.0	90.5	89.4	84.4	79.4	79.3	83.5	88.7	92.4	83.0	92.4	64.4
20	92.7	93.1	92.6	92.5	92.5	94.3	94.2	89.8	80.2	73.9	67.7	63.8	58.4	47.8	48.6	43.2	43.1	43.4	49.1	53.1	55.0	56.5	63.9	83.7	69.7	94.3	43.1
21	88.8	89.6	81.0	75.3	75.0	72.8	72.8	70.6	68.5	71.0	73.2	75.3	73.7	69.2	71.9	82.9	77.8	80.0	79.3	85.6	82.8	82.9	79.5	75.4	77.3	89.6	68.5
22	72.5	77.3	76.9	78.0	78.0	79.1	67.7	58.7	51.4	55.0	75.9	75.8	67.4	74.0	76.1	71.2	59.8	49.9	46.2	54.4	68.3	77.3	75.8	75.2	68.4	79.1	46.2
23	75.5	75.7	76.6	77.2	77.9	78.2	74.4	69.1	61.2	58.4	56.5	50.5	43.7	39.9	36.7	35.0	37.6	43.1	50.3	59.3	65.0	72.4	81.0	79.0	61.4	81.0	35.0
24	79.8	82.8	84.4	89.4	91.1	90.7	87.4	81.7	73.6	66.7	62.8	50.2	44.5	42.3	37.8	34.2	31.9	31.0	32.8	35.6	38.5	40.0	41.6	39.3	57.9	91.1	31.0
25	40.0	39.1	47.7	47.9	53.2	51.4	46.9	44.2	43.2	40.4	38.5	35.8	34.4	31.8	28.9	26.2	26.6	28.8	31.6	36.2	44.1	59.9	65.8	72.9	42.3	72.9	26.2
26	78.2	81.5	83.3	85.0	86.2	86.4	81.3	70.3	48.1	41.1	36.2	32.7	29.8	28.3	26.0	25.2	26.3	28.3	31.1	37.3	51.4	63.4	67.3	74.4	54.1	86.4	25.2
27	78.3	61.9	47.1	43.6	47.8	54.3	49.0	37.4	34.9	36.2	35.3	29.2	25.6	23.8	23.1	22.4	23.7	25.3	25.8	27.6	31.3	35.5	41.0	48.1	37.8	78.3	22.4
28	54.5	57.0	56.3	55.6	57.5	58.3	60.4	59.6	51.3	49.3	46.0	41.4	42.5	34.3	36.1	35.3	32.0	31.8	34.6	38.3	39.1	44.8	49.0	44.9	46.2	60.4	31.8
29	46.6	48.8	54.7	65.0	67.9	64.4	46.7	47.7	53.8	57.1	47.1	41.9	30.5	22.1	23.4	26.2	35.7	28.8	29.8	35.3	35.7	38.5	58.5	78.4	45.2	78.4	22.1
30	81.4	79.2	79.8	81.3	84.3	77.9	71.3	67.5	62.7	66.2	62.3	54.7	57.7	51.4	53.8	54.4	51.8	54.1	59.2	64.3	71.9	77.8	79.9	80.4	67.7	84.3	51.4
Avg	74.7	75.9	76.9	78.3	79.4	79.6	77.2	72.6	65.7	60.8	57.5	54.1	51.4	49.4	49.4	48.7	48.4	49.4	53.5	58.6	62.6	66.6	69.6	72.9	63.9	84.8	43.4
Max	92.7	93.1	92.6	93.6	95.7	94.3	94.2	89.8	86.6	91.2	91.2	89.2	87.6	84.4	85.1	89.6	90.5	89.4	89.8	95.1	90.1	88.7	90.1	92.4	83.6	95.7	70.5
Min	40.0	39.1	47.1	43.6	47.8	51.4	46.7	37.4	34.9	36.2	35.3	29.2	25.6	22.1	23.1	22.4	23.7	25.3	25.8	27.6	31.3	35.5	41.0	39.3	37.8	60.4	22.1

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
May 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	79.3	80.5	79.4	80.9	81.2	79.8	73.8	64.0	56.4	50.4	46.9	43.0	44.3	48.5	43.2	45.2	33.3	35.2	40.9	46.4	54.8	64.9	70.2	74.5	59.0	81.2	33.3
2	78.4	80.4	80.7	82.4	81.9	80.2	73.9	61.0	43.2	35.7	31.7	26.9	23.7	21.5	19.3	18.4	19.1	18.0	18.3	26.0	38.8	50.7	59.2	65.8	47.3	82.4	18.0
3	68.1	72.5	74.1	75.2	78.1	75.5	71.2	61.9	55.9	59.2	58.0	74.0	70.5	80.4	78.9	78.5	78.0	79.5	86.1	90.5	92.5	93.2	94.3	93.7	76.7	94.3	55.9
4	91.9	93.6	93.4	93.6	94.0	90.5	85.9	82.0	77.5	70.8	67.4	62.7	63.1	59.1	58.1	54.2	57.7	60.6	70.4	68.3	65.0	65.6	67.7	68.4	73.4	94.0	54.2
5	68.9	78.8	80.1	80.5	82.8	83.7	71.2	50.3	46.2	44.1	40.4	39.1	36.7	35.2	34.6	33.2	33.6	34.5	37.2	42.4	52.9	60.5	64.2	72.7	54.3	83.7	33.2
6	76.5	77.5	79.0	78.4	82.8	82.5	74.9	60.8	40.6	35.7	31.9	28.4	27.3	26.8	25.7	25.9	26.5	27.4	29.3	36.1	37.9	38.5	43.8	48.2	47.6	82.8	25.7
7	56.2	65.9	71.2	73.8	75.4	74.8	69.0	54.1	37.2	37.3	35.4	37.0	37.6	36.4	32.6	28.7	28.0	30.3	36.0	43.0	48.6	51.4	54.8	57.4	48.8	75.4	28.0
8	66.8	77.4	84.5	86.1	89.0	89.2	75.5	60.6	45.2	39.1	35.1	33.4	34.9	34.7	49.1	53.3	37.2	32.5	38.4	47.6	54.2	57.7	64.2	67.9	56.4	89.2	32.5
9	72.7	77.2	80.7	85.1	87.4	89.3	79.9	64.2	45.7	38.3	33.4	30.8	31.0	30.8	28.6	35.5	39.7	43.1	46.4	50.4	64.2	68.5	76.4	79.1	57.4	89.3	28.6
10	85.0	87.3	89.5	91.1	92.3	91.2	80.3	58.6	58.3	56.8	60.5	54.1	46.5	41.8	37.2	35.5	35.8	35.3	36.9	44.3	51.0	59.5	62.7	62.0	60.6	92.3	35.3
11	57.4	58.2	60.4	70.5	75.4	81.9	68.2	48.0	38.7	35.7	35.2	34.9	33.2	28.9	25.7	23.0	24.6	29.0	30.8	35.7	48.4	57.4	63.8	73.0	47.4	81.9	23.0
12	74.5	80.4	82.5	84.3	87.1	87.6	78.3	66.8	43.9	33.5	27.6	26.5	30.4	28.7	28.4	28.0	29.1	31.6	33.4	32.8	46.5	61.6	66.8	71.9	52.6	87.6	26.5
13	77.2	78.9	78.2	82.1	82.6	85.5	81.9	63.9	46.5	40.7	31.8	28.6	26.7	25.2	22.1	20.5	20.7	21.5	22.6	21.9	39.9	47.2	55.0	57.9	48.3	85.5	20.5
14	60.6	61.2	53.6	55.4	62.6	58.1	51.6	46.9	42.4	39.1	34.4	28.7	19.1	20.0	22.7	22.9	21.9	22.4	22.6	20.9	23.8	28.8	40.2	44.7	37.7	62.6	19.1
15	51.0	56.9	65.2	68.2	74.0	72.5	60.7	39.0	34.1	34.8	33.4	30.6	26.9	25.1	24.9	24.9	26.0	26.8	38.5	41.2	42.7	47.3	52.3	58.6	44.0	74.0	24.9
16	68.3	70.4	71.5	75.1	77.2	80.7	81.9	79.5	69.2	62.3	55.6	52.0	80.1	77.5	58.3	51.2	52.2	73.9	81.7	87.8	88.2	85.7	88.6	90.6	73.3	90.6	51.2
17	92.5	91.8	91.4	92.2	94.8	95.5	94.0	87.5	72.4	66.3	58.3	63.3	70.7	75.6	69.8	75.3	83.4	89.8	93.6	95.1	94.4	92.5	92.3	94.1	84.4	95.5	58.3
18	95.3	95.4	95.2	95.5	94.2	95.0	93.8	89.6	83.8	76.9	78.9	73.4	69.2	67.0	64.7	63.0	70.2	80.1	83.2	86.0	86.6	91.3	93.6	91.7	83.9	95.5	63.0
19	92.8	92.6	90.7	90.7	90.2	88.3	88.1	86.7	84.7	85.9	84.8	82.5	83.0	85.0	85.6	83.6	81.2	79.7	87.1	85.8	85.7	87.0	91.4	92.5	86.9	92.8	79.7
20	91.5	89.3	90.6	89.7	89.9	90.0	90.5	86.2	82.1	81.8	84.7	77.2	85.3	84.5	76.6	69.0	66.4	61.2	66.0	74.4	80.7	84.4	86.4	91.7	82.1	91.7	61.2
21	92.4	91.7	93.7	94.1	94.4	91.4	87.2	70.2	51.7	37.0	31.4	33.0	31.3	29.3	28.1	27.1	26.4	23.9	26.9	36.0	40.5	48.9	62.0	71.6	55.0	94.4	23.9
22	74.8	75.4	78.6	79.5	79.9	80.3	74.6	71.4	69.8	73.6	72.2	69.2	68.4	65.4	62.8	64.1	73.9	73.3	76.4	82.1	78.4	78.2	79.4	83.7	74.4	83.7	62.8
23	84.7	85.6	85.4	88.7	91.4	91.3	90.3	88.7	89.7	91.2	93.6	90.9	90.1	89.5	90.1	88.0	91.6	92.6	91.8	93.1	94.5	93.5	93.7	93.9	90.6	94.5	84.7
24	93.2	94.5	93.2	92.8	93.6	90.5	81.7	80.0	72.6	64.7	56.0	51.3	43.6	38.7	37.0	36.3	35.2	37.0	42.4	61.9	61.3	68.8	78.1	81.7	66.1	94.5	35.2
25	84.6	86.7	88.4	89.7	90.3	88.2	80.8	67.3	49.7	43.2	40.9	44.4	39.6	39.7	34.3	33.7	37.7	41.1	49.2	59.9	63.8	71.2	75.0	84.6	61.8	90.3	33.7
26	86.0	85.8	89.0	90.1	91.4	89.2	85.6	71.5	57.7	53.6	52.5	50.4	47.9	50.4	40.4	35.2	37.6	68.3	79.1	78.4	85.5	89.3	88.9	93.5	70.7	93.5	35.2
27	95.2	93.6	95.3	95.8	96.2	96.4	95.6	88.0	79.7	79.0	81.8	89.5	82.8	81.2	80.0	71.4	65.3	62.7	57.3	65.2	84.6	89.5	89.7	91.1	83.6	96.4	57.3
28	90.4	92.2	91.7	90.9	91.3	92.7	90.8	92.1	89.8	87.1	86.4	80.7	75.7	72.8	82.7	76.1	71.3	67.7	71.9	78.5	86.2	88.1	91.4	91.0	84.6	92.7	67.7
29	90.6	91.4	92.7	93.3	93.0	92.7	91.6	90.2	83.8	75.4	70.8	75.3	78.2	77.9	80.8	81.8	85.5	80.1	80.0	88.0	91.7	93.2	93.9	95.3	86.1	95.3	70.8
30	95.3	94.1	90.8	91.7	92.4	91.3	90.7	89.6	88.2	87.7	86.5	85.3	84.3	84.4	81.0	83.6	84.8	84.2	83.4	80.5	81.9	84.7	86.8	87.3	87.1	95.3	80.5
31	87.9	87.1	87.0	89.3	90.1	90.9	91.9	91.6	90.8	88.3	88.2	86.9	85.3	82.8	82.8	82.4	84.4	86.6	86.3	87.5	89.6	91.0	90.4	93.2	88.0	93.2	82.4
Avg	80.0	82.1	83.2	84.7	86.4	86.0	80.8	71.4	62.2	58.2	55.7	54.3	53.8	53.1	51.2	50.0	50.3	52.6	56.3	60.9	66.3	70.6	74.7	78.2	66.8	88.6	45.4
Max	95.3	95.4	95.3	95.8	96.2	96.4	95.6	92.1	90.8	91.2	93.6	90.9	90.1	89.5	90.1	88.0	91.6	92.6	93.6	95.1	94.5	93.5	94.3	95.3	90.6	96.4	84.7
Min	51.0	56.9	53.6	55.4	62.6	58.1	51.6	39.0	34.1	33.5	27.6	26.5	19.1	20.0	19.3	18.4	19.1	18.0	18.3	20.9	23.8	28.8	40.2	44.7	37.7	62.6	18.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
June 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	93.7	94.5	94.7	93.7	94.5	93.9	89.7	77.3	69.1	63.1	58.9	50.0	47.6	42.3	40.3	40.4	39.6	38.1	47.9	62.5	63.1	65.6	67.4	70.9	66.6	94.7	38.1
2	75.3	74.7	77.7	84.1	90.0	88.6	84.8	72.5	64.4	56.9	51.8	54.2	61.7	70.4	88.2	88.7	91.5	90.9	92.1	94.5	93.7	92.7	92.8	92.8	80.2	94.5	51.8
3	91.4	91.5	90.7	91.1	91.3	91.8	92.2	92.5	90.1	88.6	87.1	87.0	85.5	83.2	83.9	79.6	79.4	78.4	78.1	81.7	84.4	85.7	88.1	88.4	86.7	92.5	78.1
4	91.2	90.6	90.5	89.9	89.9	91.2	88.6	86.7	79.2	74.8	73.5	74.5	73.0	66.8	62.7	63.0	57.9	57.2	55.4	61.9	81.5	85.1	86.0	90.2	77.6	91.2	55.4
5	90.4	90.9	91.4	92.2	93.6	91.6	83.6	70.8	57.5	49.5	43.9	35.7	36.2	33.4	31.2	32.3	33.2	34.0	34.8	44.0	66.7	73.8	78.9	85.8	61.5	93.6	31.2
6	86.2	89.0	90.9	92.5	93.1	89.9	82.4	66.4	50.3	49.1	45.8	41.9	40.8	35.3	34.8	34.3	33.8	31.5	31.8	49.9	59.5	66.6	72.2	78.7	60.3	93.1	31.5
7	81.7	83.3	90.5	93.4	91.8	87.6	82.3	71.4	56.6	52.4	41.4	35.2	34.0	38.1	39.0	37.7	38.8	42.6	41.0	36.0	44.1	66.2	66.7	71.2	59.3	93.4	34.0
8	73.7	65.0	75.9	83.5	85.2	82.8	79.7	67.0	62.5	54.7	45.8	40.7	36.6	33.1	29.0	26.2	25.9	27.6	31.7	35.5	39.8	54.7	68.6	74.4	54.2	85.2	25.9
9	80.4	84.9	84.4	87.5	88.0	85.5	74.8	56.8	44.3	41.3	35.3	33.8	31.4	28.7	25.5	20.5	15.9	16.9	23.6	26.5	28.8	33.4	34.0	48.6	47.1	88.0	15.9
10	63.0	70.1	70.7	76.3	84.1	76.4	68.3	49.8	30.1	29.2	26.1	27.4	26.7	26.7	27.4	26.8	28.5	41.7	46.1	47.6	53.8	57.7	62.5	62.9	49.2	84.1	26.1
11	68.7	79.2	83.5	84.3	87.9	89.8	83.2	70.1	68.7	79.9	78.0	77.1	70.0	64.2	67.7	72.9	70.9	79.2	79.5	82.4	85.3	91.1	92.9	94.5	79.2	94.5	64.2
12	94.8	95.1	93.4	96.4	96.8	96.2	87.6	74.4	73.7	71.0	69.0	65.1	60.9	54.2	54.9	69.3	66.7	84.5	82.1	83.8	87.0	79.1	81.8	87.4	79.4	96.8	54.2
13	85.6	92.4	92.9	91.5	95.6	96.5	97.0	92.0	85.0	90.2	82.4	76.6	72.7	74.7	80.9	87.6	82.6	84.5	77.3	79.9	83.3	86.2	87.4	78.3	85.5	97.0	72.7
14	82.3	89.6	92.3	93.0	93.4	93.1	91.3	80.0	69.3	62.6	59.5	57.6	55.1	51.5	50.9	37.6	37.4	38.8	41.1	43.1	51.6	60.1	60.5	69.0	65.0	93.4	37.4
15	72.1	74.4	81.1	84.8	88.3	83.2	74.9	53.8	46.9	40.3	35.1	34.5	31.8	25.7	27.1	25.9	21.6	21.8	25.9	34.3	55.3	62.0	68.3	81.8	52.1	88.3	21.6
16	84.1	86.0	87.1	87.2	89.9	84.6	70.0	57.7	40.1	35.1	34.3	33.8	35.0	35.8	35.5	41.0	34.0	34.4	40.3	54.1	63.3	71.7	73.9	73.8	57.6	89.9	33.8
17	77.6	82.7	86.8	89.3	87.5	83.5	69.8	56.4	58.0	55.9	51.0	48.5	45.8	43.6	43.0	47.5	52.0	47.2	49.3	50.8	55.5	59.7	61.5	69.9	61.4	89.3	43.0
18	66.7	67.9	71.1	67.3	81.3	78.8	66.4	62.1	53.8	42.3	40.1	35.1	24.9	25.0	37.4	43.6	46.7	48.0	46.3	47.4	46.0	47.5	48.4	55.5	52.1	81.3	24.9
19	66.9	70.3	74.3	81.0	86.8	82.4	73.3	75.5	61.2	50.7	43.6	40.7	39.4	39.4	60.0	82.2	85.6	80.0	90.1	89.2	88.2	92.0	90.8	85.8	72.1	92.0	39.4
20	78.4	80.9	78.6	83.4	82.4	78.2	68.0	62.0	63.1	65.6	66.5	68.7	76.9	67.2	56.5	50.5	61.2	53.4	58.2	69.5	81.6	83.1	84.3	87.3	71.1	87.3	50.5
21	88.6	88.8	90.6	91.8	90.0	89.1	83.5	69.1	57.3	54.1	57.1	57.7	71.5	71.1	69.4	71.9	58.7	53.8	54.4	66.3	80.5	87.2	89.8	89.6	74.2	91.8	53.8
22	88.5	89.0	89.0	90.7	92.8	91.1	89.9	86.2	75.5	73.6	71.3	77.1	78.1	68.0	63.2	67.3	61.8	82.2	79.4	89.2	90.8	92.5	91.3	94.1	82.2	94.1	61.8
23	93.8	94.8	95.5	95.9	96.0	95.6	93.3	82.7	64.7	52.4	48.1	44.7	42.2	40.9	41.4	40.6	41.5	43.2	45.5	60.4	70.7	74.1	75.8	78.2	67.2	96.0	40.6
24	80.4	85.6	87.3	89.3	89.4	86.4	86.6	73.0	58.0	43.9	42.0	44.7	44.1	43.0	47.1	55.3	64.8	76.2	77.2	83.6	87.7	90.7	88.3	90.2	71.5	90.7	42.0
25	89.4	88.4	91.9	94.2	95.6	95.4	94.2	75.6	64.5	58.9	61.6	52.6	46.0	45.6	42.9	38.9	36.4	41.1	56.9	66.8	85.7	80.7	88.9	87.1	70.0	95.6	36.4
26	88.2	90.8	92.6	92.4	93.4	92.6	89.1	73.3	67.0	56.7	54.5	51.2	47.9	45.7	45.1	47.5	50.0	54.3	51.1	55.0	70.2	75.7	82.4	85.4	68.8	93.4	45.1
27	88.1	90.1	92.1	92.4	93.8	88.6	76.9	65.4	60.8	52.0	46.6	44.2	39.9	38.6	34.7	32.8	30.8	34.2	38.3	51.7	59.3	68.0	72.1	77.1	61.2	93.8	30.8
28	86.8	86.0	88.4	91.4	90.9	87.7	74.7	63.3	51.1	41.7	41.1	40.3	39.3	37.6	35.7	34.1	34.9	32.0	35.2	43.2	57.9	70.6	78.6	80.5	59.3	91.4	32.0
29	86.1	88.3	90.0	90.7	92.1	86.7	80.1	64.4	55.4	54.3	44.6	33.9	32.2	27.0	31.7	50.1	77.3	75.5	61.9	65.5	71.2	81.1	84.1	89.9	67.3	92.1	27.0
30	91.3	93.1	94.4	96.0	95.4	92.5	84.6	75.0	77.2	58.5	46.4	44.3	44.0	45.2	37.5	33.2	34.3	38.2	42.7	50.6	61.2	73.1	82.8	85.8	65.7	96.0	33.2
Avg	82.8	84.9	87.0	88.9	90.7	88.4	82.0	70.8	61.8	56.6	52.7	50.3	49.0	46.7	47.5	49.3	49.8	52.0	53.8	60.2	68.3	73.6	76.7	80.2	66.8	91.8	41.1
Max	94.8	95.1	95.5	96.4	96.8	96.5	97.0	92.5	90.1	90.2	87.1	87.0	85.5	83.2	88.2	88.7	91.5	90.9	92.1	94.5	93.7	92.7	92.9	94.5	86.7	97.0	78.1
Min	63.0	65.0	70.7	67.3	81.3	76.4	66.4	49.8	30.1	29.2	26.1	27.4	24.9	25.0	25.5	20.5	15.9	16.9	23.6	26.5	28.8	33.4	34.0	48.6	47.1	81.3	15.9

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
April 2013

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.010	0.010
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.020
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010	0.000	0.010	0.100	0.060	0.010	0.000	0.020	0.040	0.280	0.100
8	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.010	0.010
11	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
12	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020
13	0.000	0.000	0.010	0.040	0.020	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.090	0.040
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.020	0.030	0.030	0.040	0.020	0.020	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.220	0.040
20	0.000	0.000	0.000	0.000	0.010	0.060	0.040	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.120	0.060
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.000	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.060	0.030
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.020	0.000	0.010	0.060	0.030	0.100	0.040	0.020	0.010	0.030	0.020	0.040	0.030	0.040	0.050	0.080	0.010	0.050	0.110	0.080	0.020	0.000	0.020	0.040	0.910	0.000
Max	0.020	0.000	0.010	0.040	0.020	0.060	0.040	0.010	0.010	0.030	0.020	0.030	0.030	0.040	0.030	0.030	0.010	0.020	0.100	0.060	0.010	0.000	0.020	0.040	0.280	0.100

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
May 2013

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.020	0.020	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.070	0.020
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.010	0.000	0.130	0.070
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.030	0.070	0.060	0.000	0.000	0.000	0.010	0.010	0.200	0.070
18	0.040	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.030	0.050	0.000	0.150	0.050
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.010	0.000	0.010	0.000	0.000	0.010	0.000	0.000	0.000	0.010	0.010	0.070	0.010
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.110	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.130	0.110
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.110	0.110	0.010	0.000	0.000	0.000	0.250	0.110
23	0.000	0.000	0.020	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.070	0.010	0.000	0.010	0.000	0.000	0.040	0.000	0.000	0.170	0.070
24	0.010	0.070	0.010	0.010	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.130	0.070
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.020	0.020
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.000	0.000	0.110	0.130	0.000	0.000	0.290	0.130
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.060	0.000	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.160	0.070
28	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.040	0.040	0.060	0.030	0.010	0.000	0.010	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.060
29	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.020	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.090	0.030
30	0.000	0.000	0.000	0.020	0.020	0.020	0.020	0.040	0.010	0.030	0.020	0.010	0.020	0.020	0.000	0.010	0.020	0.020	0.000	0.000	0.000	0.010	0.010	0.010	0.310	0.040
31	0.000	0.000	0.030	0.010	0.010	0.010	0.020	0.020	0.010	0.010	0.010	0.010	0.000	0.010	0.010	0.000	0.040	0.020	0.000	0.010	0.010	0.000	0.000	0.000	0.240	0.040
Tot	0.050	0.090	0.060	0.050	0.050	0.080	0.060	0.110	0.060	0.110	0.130	0.100	0.230	0.130	0.110	0.120	0.130	0.180	0.200	0.130	0.130	0.210	0.110	0.030	2.660	0.000
Max	0.040	0.070	0.030	0.020	0.020	0.040	0.020	0.040	0.040	0.060	0.070	0.060	0.110	0.030	0.050	0.070	0.040	0.070	0.110	0.110	0.110	0.130	0.050	0.010	0.310	0.130

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
June 2013

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Tot																										
Max																										

TINTINA RESOURCES, INC.
BLACK BUTTE COPPER PROJECT
AMBIENT AIR
MONITORING PROGRAM
Quarterly Data Report
Third Quarter 2013

Prepared for:

Tintina Resources, Inc.
17 East Main St
White Sulphur Springs, MT 59645

Prepared by:

Bison Engineering, Inc.
1111 Maggie Lane
Billings, MT 59101
(406) 896-1716
http://www.bison-eng.com

November 7, 2013

CERTIFICATION OF DATA INTEGRITY

Bison Engineering, Inc., certifies the data in this report is an accurate summary of the air quality conditions measured at the Black Butte Copper Project air monitoring site. Every effort was made to obtain accurate and representative data and to comply with the procedures set forth in the *Quality Assurance Project Plan*, the *State of Montana Ambient Air Monitoring Program Quality Assurance Project Plan*, the Environmental Protection Agency's *Quality Assurance Handbook for Air Pollution Measurement Systems: Volume II, Ambient Air Specific Methods (April 1994)*, and EPA's *Quality Assurance Handbook for Air Pollution Measurement Systems, Volume II, Part 1, Ambient Air Quality Monitoring Program Quality System Development (March 1998)*.

Preparer: Jeffrey S. Bell

Signature: Jeffrey S Bell

Title: Senior Field Technician

Date: 10/31/13

Reviewer: Rebecca L. Picchioni, P.E.

Signature: Rebecca L

Title: Project Engineer

Date: 11/5/13

TABLE OF CONTENTS

CERTIFICATION OF DATA INTEGRITY ii

1.0 INTRODUCTION 1

2.0 MONITORING SYSTEM OPERATIONS 3

3.0 CALIBRATION DATA 4

4.0 PERFORMANCE AUDIT DATA 5

5.0 DATA COMPLETENESS 6

6.0 MONITORING DATA 11

LIST OF TABLES

Table 1. Monthly Data Completeness 7
Table 2. Quarterly Data Completeness 10
Table 3. Missing Data Codes 12
Table 4. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 16
Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 17
Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 18
Table 7. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower 19

LIST OF FIGURES

Figure 1. Monitoring Site Location 1
Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower 17
Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower 18
Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower 19
Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower 20

APPENDICES

Appendix A: Meteorological Data
Appendix B: Performance Audit Reports

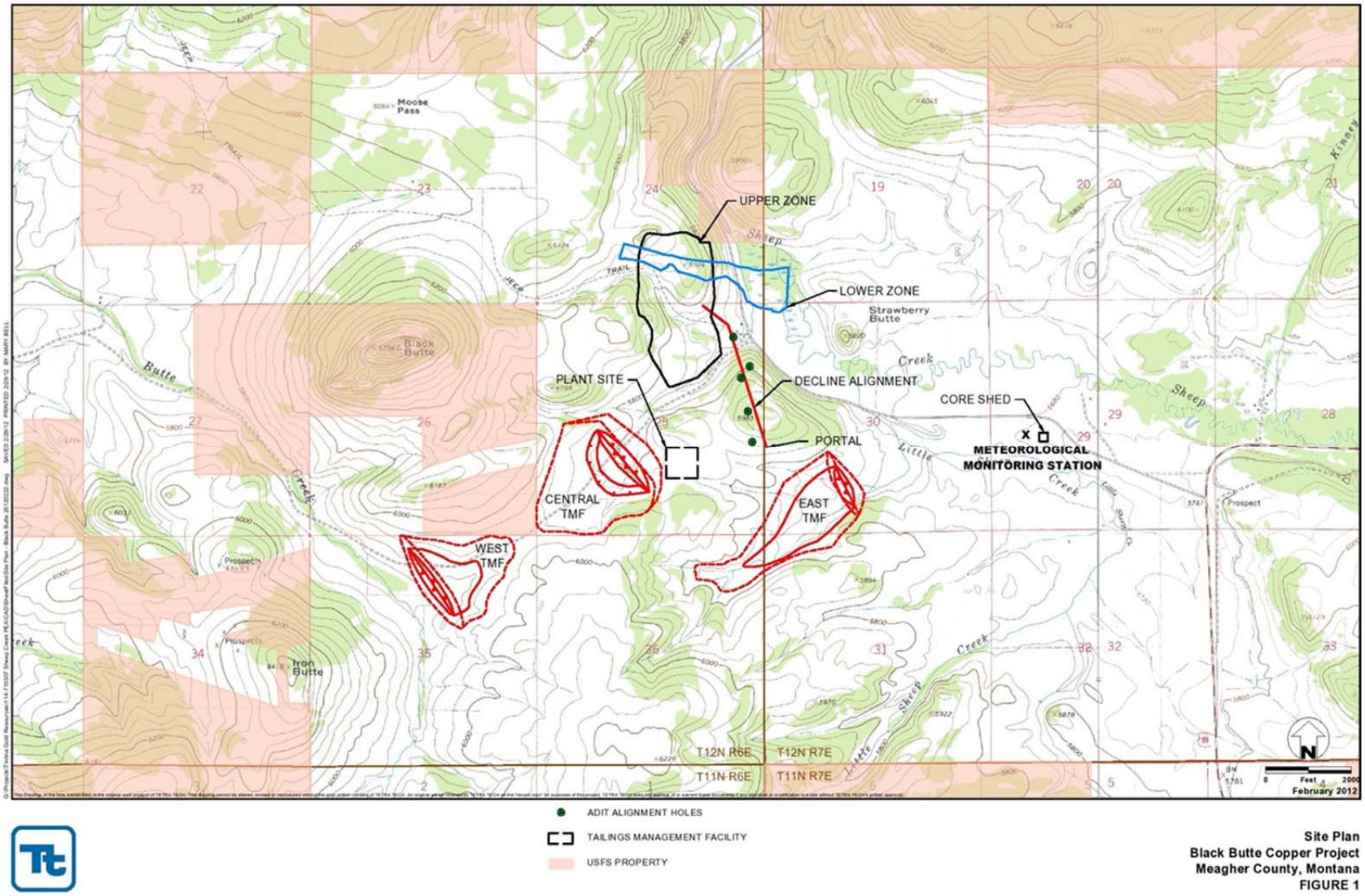
1.0 INTRODUCTION

Tintina Resources, Inc. established an ambient air monitoring site to measure wind speed, wind direction, standard deviation of wind direction, temperature at 9 meters and 2 meters, delta temperature, solar radiation, barometric pressure, and precipitation. The station was established to accurately characterize the local meteorology and collect baseline data in support of an operating permit application and various environmental studies.

The meteorological monitoring system was installed in April 2012. The site is operated by Bison Engineering, Inc., of Helena and Billings. Figure 1 shows the location of the monitoring site.

This report presents the data collected during the third quarter (July through September) of 2013. In addition, a description of the monitoring system operations is presented, together with summaries of quality assurance activities, including calibrations and performance audits. Tabular summaries of the data completeness achieved and the periods of missing data also are presented. Appendix A presents hourly meteorological data collected.

Figure 1. Monitoring Site Location



2.0 MONITORING SYSTEM OPERATIONS

The installation of the monitoring meteorological system equipment took place in April 2012, soon after the equipment was received from the manufacturers. The installation and calibration of the equipment required about two weeks to complete. All meteorological parameters were in full operation and producing valid data by April 30, 2012.

Data collection continued through the third quarter, although power supply problems and a mechanical failure in the tipping bucket rain gauge resulted in significant data losses. Those are discussed in Section 5.0, “Data Completeness.”

The system was audited on September 17 and September 24. Those results are presented in Section 4.0, “Performance Audit Data.”

3.0 CALIBRATION DATA

No calibrations were performed during the third quarter. The audits discussed in Section 2.0 showed all instruments to be producing accurate data. However, a slight adjustment was made to the wind direction sensor's alignment on the crossarm when it was re-installed after the audit. Those results are included in Appendix B.

Meteorological system calibration is performed:

- No later than 180 days after the most recent calibration that indicated the meteorological system response to be acceptable;
- After an interruption of more than a few days in meteorological system operation;
- Following any repairs which might affect meteorological system calibration;
- Following a physical relocation of the meteorological system; or
- After any other indication of significant inaccuracy of the meteorological system, such as a failed audit.

4.0 PERFORMANCE AUDIT DATA

Steve Heck of Bison Engineering, Inc. conducted performance audits of the meteorological system at the site during September. On September 17, the barometric pressure, relative humidity, solar radiation and barometric pressure sensors, and the wind sensor crossarm alignment, were checked in conjunction with an unscheduled site visit. The remaining parameters (requiring lowering of the tower) were audited on September 24.

During the September 17 audit, the auditor found that the rain gauge bucket had fallen out of its holder. It was repaired and audited, and has worked correctly since then. However, a comparison of the site's precipitation data with that from other central Montana locations strongly indicated that the bucket fell out at the start of June. Therefore, all precipitation data from June 1 until September 17 was invalidated.

All instrument audits produced results within the recommended tolerance limits. The audit results are presented in Appendix B.

5.0 DATA COMPLETENESS

The meteorological percentages of data recovery achieved during the third quarter of 2013 are given in Tables 1 and 2. In these tables, the number of possible data values during each month of the quarter is given, together with the number of valid readings and the number of hours spent on quality assurance activities (such as calibrations, performance audits, and maintenance on the sensors). The quality assurance hours are added to the number of hours of valid data to compute the net percentage data recovery.

During the third quarter, the net percentage data recovery was 12.2% for precipitation and 55.5% for all other meteorological parameters at Black Butte. The causes of data loss included:

- The precipitation gauge's tipping bucket fell out of its holder at the start of June, resulting in the invalidation of all precipitation data from June 1 at 0100 MST through September 17 at 1200 MST.
- It appears that a severe lightning storm caused the station's battery charging system to fail and damaged the station's phone line, resulting in the loss of all data from July 22 at 0100 MST through August 29 at 1400 MST.
- For unknown reasons, the station's battery charging system again failed in late September, resulting in the loss of all data from September 28 at 1700 MST through the end of the quarter.

Additionally, remote communications with the site failed in early September, triggering an unscheduled site visit on September 17 to determine the cause. It was discovered that the modem had failed (most likely due to a lightning storm), but that the system was otherwise working properly. The modem failure itself did not result in data loss, and a new modem was installed on October 8.

Table 1. Monthly Data Completeness

July 2013					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	504	67.7	0	67.7
Wind Direction	744	504	67.7	0	67.7
Standard Deviation	744	504	67.7	0	67.7
Temperature 9 Meters	744	504	67.7	0	67.7
Temperature 2 Meters	744	504	67.7	0	67.7
Temperature Delta T	744	504	67.7	0	67.7
Solar Radiation	744	504	67.7	0	67.7
Barometric Pressure	744	504	67.7	0	67.7
Relative Humidity	744	504	67.7	0	67.7
Precipitation	744	0	0.0	0	0.0
Total	7,440	4,536	61.0	0	61.0

Table 1. Monthly Data Completeness (Continued)

August 2013					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	58	7.8	0	7.8
Wind Direction	744	58	7.8	0	7.8
Standard Deviation	744	58	7.8	0	7.8
Temperature 9 Meters	744	58	7.8	0	7.8
Temperature 2 Meters	744	58	7.8	0	7.8
Temperature Delta T	744	58	7.8	0	7.8
Solar Radiation	744	58	7.8	0	7.8
Barometric Pressure	744	58	7.8	0	7.8
Relative Humidity	744	58	7.8	0	7.8
Precipitation	744	58	0.0	0	0.0
Total	7,440	522	7.0	0	7.0

Table 1. Monthly Data Completeness (Continued)

September 2013					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	720	660	91.7	4	92.2
Wind Direction	720	660	91.7	4	92.2
Standard Deviation	720	660	91.7	4	92.2
Temperature 9 Meters	720	661	91.7	4	92.2
Temperature 2 Meters	720	661	91.7	4	92.2
Temperature Delta T	720	661	91.7	4	92.2
Solar Radiation	720	661	91.7	4	92.2
Barometric Pressure	720	661	91.7	4	92.2
Relative Humidity	720	661	91.7	4	92.2
Precipitation	720	265	36.8	4	37.4
Total	7,200	6,205	86.2	40	86.7

Table 2. Quarterly Data Completeness

Third Quarter 2013					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	2,208	1,222	55.3	4	55.5
Wind Direction	2,208	1,222	55.3	4	55.5
Standard Deviation	2,208	1,222	55.3	4	55.5
Temperature 9 Meters	2,208	1,222	55.3	4	55.5
Temperature 2 Meters	2,208	1,222	55.3	4	55.5
Temperature Delta T	2,208	1,222	55.3	4	55.5
Solar Radiation	2,208	1,222	55.3	4	55.5
Barometric Pressure	2,208	1,222	55.3	4	55.5
Relative Humidity	2,208	1,222	55.3	4	55.5
Precipitation	2,208	265	12.0	4	12.2
Total	22,080	11,263	51.0	40	51.2

6.0 MONITORING DATA

The hourly data values collected at the monitoring sites are given in the data tables in Appendix A. Each of these tables presents one month's data for all parameters in the monitoring system. In addition, the average, maximum, and minimum values for each parameter for each day are listed (for wind direction, the prevailing wind direction for the day is given). For those hours with missing data, a code is given that explains the reason the data were missing. These codes are given in Table 3.

Monthly and quarterly wind rose distributions from the monitoring site are presented in Tables 4 through 7. These tables give the percentage frequency of occurrence of winds from 16 cardinal directions and from 22 wind speed ranges. These same data are presented graphically in Figures 2 through 5. In the wind rose figures, the length of each "petal" of the rose is proportional to the percentage of time the wind blew from that direction. On the bottom of each figure is a histogram showing the average wind speed from each of the cardinal wind directions.

The wind rose for August appears noticeably different from other months, because it was based on only 58 hours of data and represents very short-term conditions.

Table 3. Missing Data Codes

Mnemonic Code	Description	Equivalent EPA Null Value Reason Code
Sc	Scheduled but not collected	9972
Ti	Sample time out of limits	9973
Fi	Filter damage	9976
Op	Voided by operator	9978
ND	Machine malfunction	9980
Wx	Bad weather	9981
Co	Collection error	9983
Lb	Lab error	9984
QA	Poor quality assurance results	9985
Pwr	Power failure	9988
Wi	Wildlife damage	9989
AZ	Automatic zero/span check	9991
ZS	Manual zero/span check	9986
Au	Performance audit	9992
Ma	Routine maintenance/repairs	9993
Ca	Multipoint calibration	9995
PZ	Precision/zero/span	9998

Table 4. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

July 2013																	
Direction>>>		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.8	1.0	1.0	0.8	2.6	1.0	1.2	0.4	0.6	1.0	0.0	0.4	0.6	0.4	0.8	0.8	14.3
	1.1 - 2.0	1.2	0.8	2.4	3.2	5.2	5.2	3.2	2.0	0.0	0.4	0.2	0.2	0.8	0.6	1.6	1.6	28.4
	2.1 - 3.0	0.2	0.0	0.8	2.0	3.0	2.4	1.4	1.0	0.4	0.4	0.8	1.4	0.8	2.2	1.6	1.2	19.4
	3.1 - 4.0	0.4	0.2	0.2	0.6	1.8	0.4	1.0	0.8	0.2	0.2	0.4	1.2	2.0	4.2	1.6	0.2	15.3
	4.1 - 5.0	0.0	0.0	0.2	0.4	0.2	0.2	1.4	0.6	0.0	0.2	0.8	0.8	1.6	3.2	0.6	0.0	10.1
	5.1 - 6.0	0.4	0.0	0.2	0.0	0.0	0.0	0.6	0.2	0.2	0.6	0.6	0.4	1.0	1.8	0.8	0.4	7.1
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.0	0.2	0.2	0.0	0.4	0.8	0.0	0.0	2.8
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	1.0
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	1.4
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm																		0.0
Total		4.0	2.0	4.8	6.9	12.7	9.3	10.7	5.8	1.4	3.6	3.0	4.4	7.1	13.3	6.9	4.2	100.0
Average Speed		1.7	1.4	1.8	2.0	1.9	1.9	3.6	3.1	2.3	3.8	4.0	3.2	3.7	4.0	2.9	2.2	2.8

Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

August 2013																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.0	0.0	3.4	0.0	0.0	1.7	0.0	1.7	0.0	0.0	0.0	0.0	1.7	0.0	1.7	0.0	10.3
	1.1 - 2.0	0.0	0.0	0.0	5.2	3.4	12.1	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.4
	2.1 - 3.0	0.0	0.0	0.0	1.7	6.9	3.4	0.0	1.7	0.0	0.0	1.7	0.0	1.7	1.7	0.0	1.7	20.7
	3.1 - 4.0	0.0	0.0	0.0	0.0	6.9	1.7	1.7	0.0	3.4	1.7	1.7	0.0	1.7	0.0	1.7	1.7	22.4
	4.1 - 5.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	3.4	0.0	13.8
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	1.7	0.0	0.0	3.4
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	3.4	0.0	0.0	0.0	5.2
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	1.7
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	0.0	0.0	3.4	8.6	17.2	19.0	1.7	5.2	3.4	3.4	6.9	3.4	12.1	5.2	6.9	3.4	100.0
	Average Speed	---	---	0.6	2.1	2.7	1.7	3.3	1.7	3.5	4.0	4.3	5.0	4.5	4.1	3.3	3.0	2.9

Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

September 2013																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.1	0.6	1.4	1.5	1.1	1.4	2.0	1.2	0.2	0.3	0.2	0.3	0.5	0.3	1.2	0.9	13.9
	1.1 - 2.0	0.5	1.2	1.5	3.0	5.0	5.6	5.0	2.3	1.2	0.2	0.5	0.9	1.2	0.8	1.7	0.6	31.1
	2.1 - 3.0	0.3	0.2	0.5	0.5	2.3	2.9	1.4	1.5	0.3	0.3	0.5	0.9	1.7	1.4	2.0	0.9	17.3
	3.1 - 4.0	1.4	0.6	0.2	1.2	1.7	0.9	0.9	0.3	0.8	0.8	0.2	0.2	1.5	1.2	0.6	0.3	12.6
	4.1 - 5.0	0.2	0.2	0.2	0.8	1.2	0.3	0.3	0.8	0.8	0.8	0.8	0.8	1.1	1.8	0.6	0.2	10.5
	5.1 - 6.0	0.5	0.2	0.0	0.0	0.0	0.2	0.9	0.3	0.9	0.3	0.5	0.9	0.6	0.8	0.3	0.2	6.4
	6.1 - 7.0	0.2	0.0	0.0	0.0	0.2	0.2	0.8	0.0	0.0	0.2	0.9	1.1	0.6	0.2	0.2	0.2	4.4
	7.1 - 8.0	0.0	0.3	0.0	0.0	0.0	0.2	0.9	0.2	0.0	0.0	0.0	0.0	0.6	0.2	0.0	0.0	2.3
	8.1 - 9.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.6	0.0	0.0	0.0	1.1
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.5
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	4.1	3.2	3.6	7.0	11.4	11.5	12.4	6.7	4.1	2.9	3.3	5.0	8.6	6.5	6.5	3.2	100.0
	Average Speed	3.0	2.7	1.6	2.1	2.3	2.1	3.0	2.6	3.4	4.0	4.3	3.9	4.3	3.7	2.3	2.3	2.9

Table 7. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower

Third Quarter 2013																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.3	0.7	1.3	1.1	1.6	1.2	1.6	0.9	0.3	0.6	0.1	0.3	0.6	0.3	1.1	0.8	13.9
	1.1 - 2.0	0.7	1.0	1.8	3.2	5.0	5.7	4.0	2.1	0.7	0.2	0.3	0.6	1.0	0.7	1.6	1.0	29.5
	2.1 - 3.0	0.2	0.1	0.6	1.1	2.8	2.7	1.3	1.3	0.3	0.3	0.7	1.1	1.3	1.7	1.7	1.1	18.3
	3.1 - 4.0	0.9	0.4	0.2	0.9	2.0	0.7	1.0	0.5	0.7	0.6	0.3	0.6	1.7	2.4	1.1	0.3	14.2
	4.1 - 5.0	0.1	0.1	0.2	0.7	0.7	0.2	0.7	0.7	0.4	0.6	0.8	0.8	1.3	2.4	0.7	0.1	10.5
	5.1 - 6.0	0.4	0.1	0.1	0.0	0.0	0.1	0.7	0.2	0.6	0.4	0.5	0.7	0.7	1.2	0.5	0.2	6.5
	6.1 - 7.0	0.1	0.0	0.0	0.0	0.1	0.2	0.6	0.2	0.0	0.2	0.7	0.6	0.7	0.4	0.1	0.1	3.8
	7.1 - 8.0	0.0	0.2	0.0	0.0	0.0	0.1	0.7	0.2	0.0	0.1	0.0	0.0	0.4	0.2	0.0	0.0	1.7
	8.1 - 9.0	0.1	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.0	0.0	1.1
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.3
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	3.8	2.5	4.1	7.0	12.2	11.0	11.2	6.2	2.9	3.2	3.4	4.7	8.2	9.2	6.7	3.6	100.0
	Average Speed	2.5	2.2	1.7	2.1	2.2	2.0	3.2	2.7	3.2	3.9	4.2	3.7	4.1	3.9	2.6	2.3	2.9

Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower

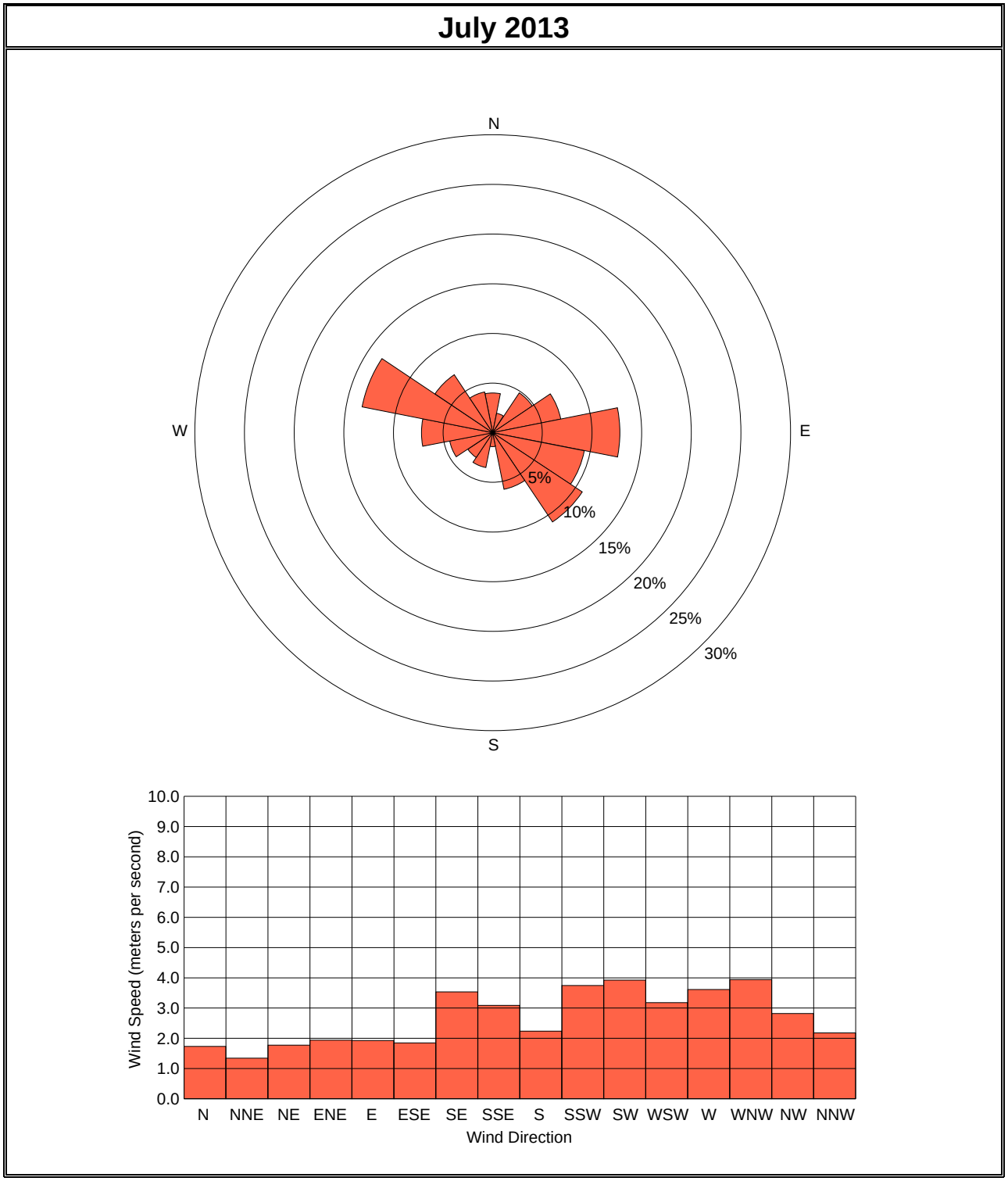


Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower

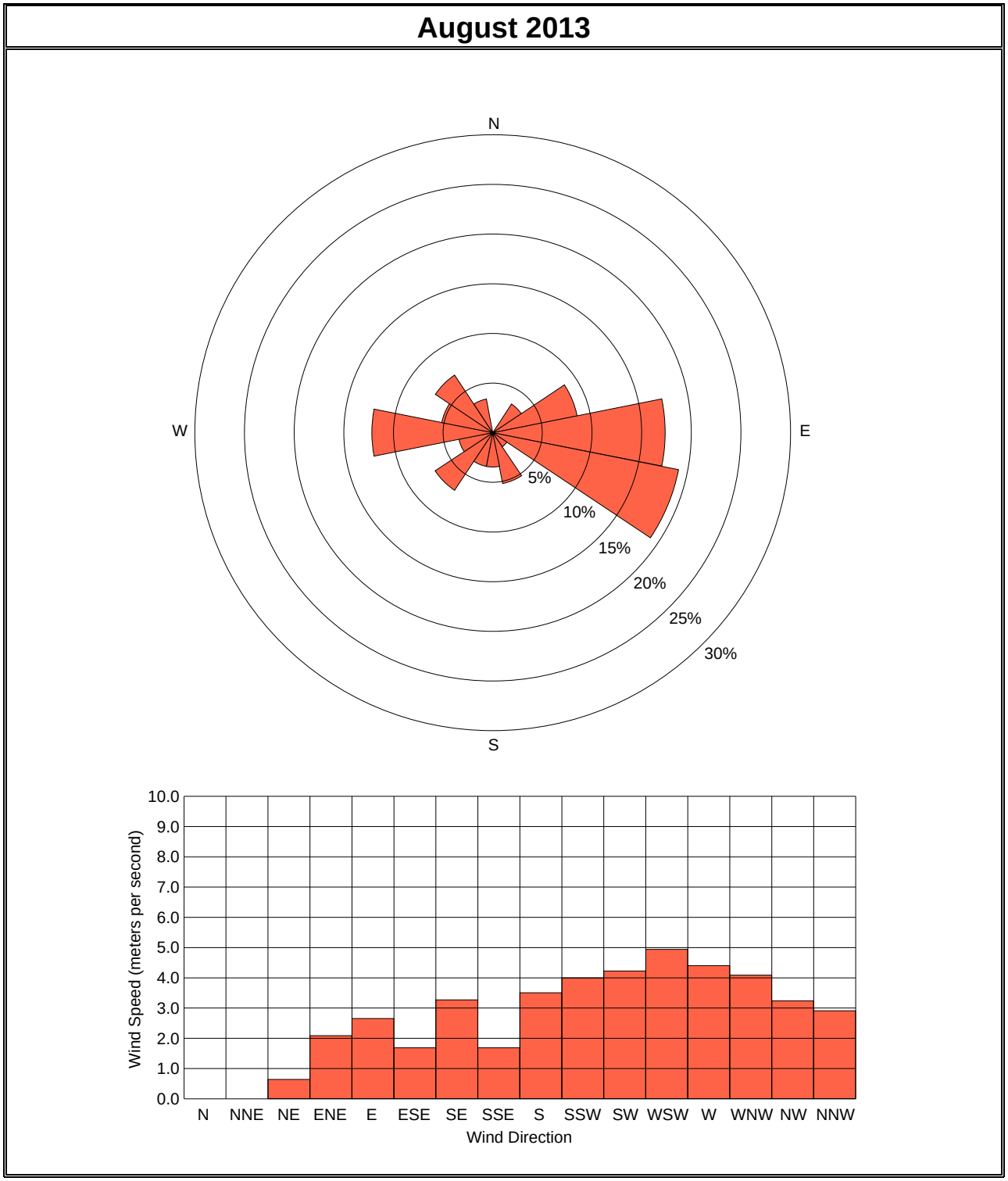


Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower

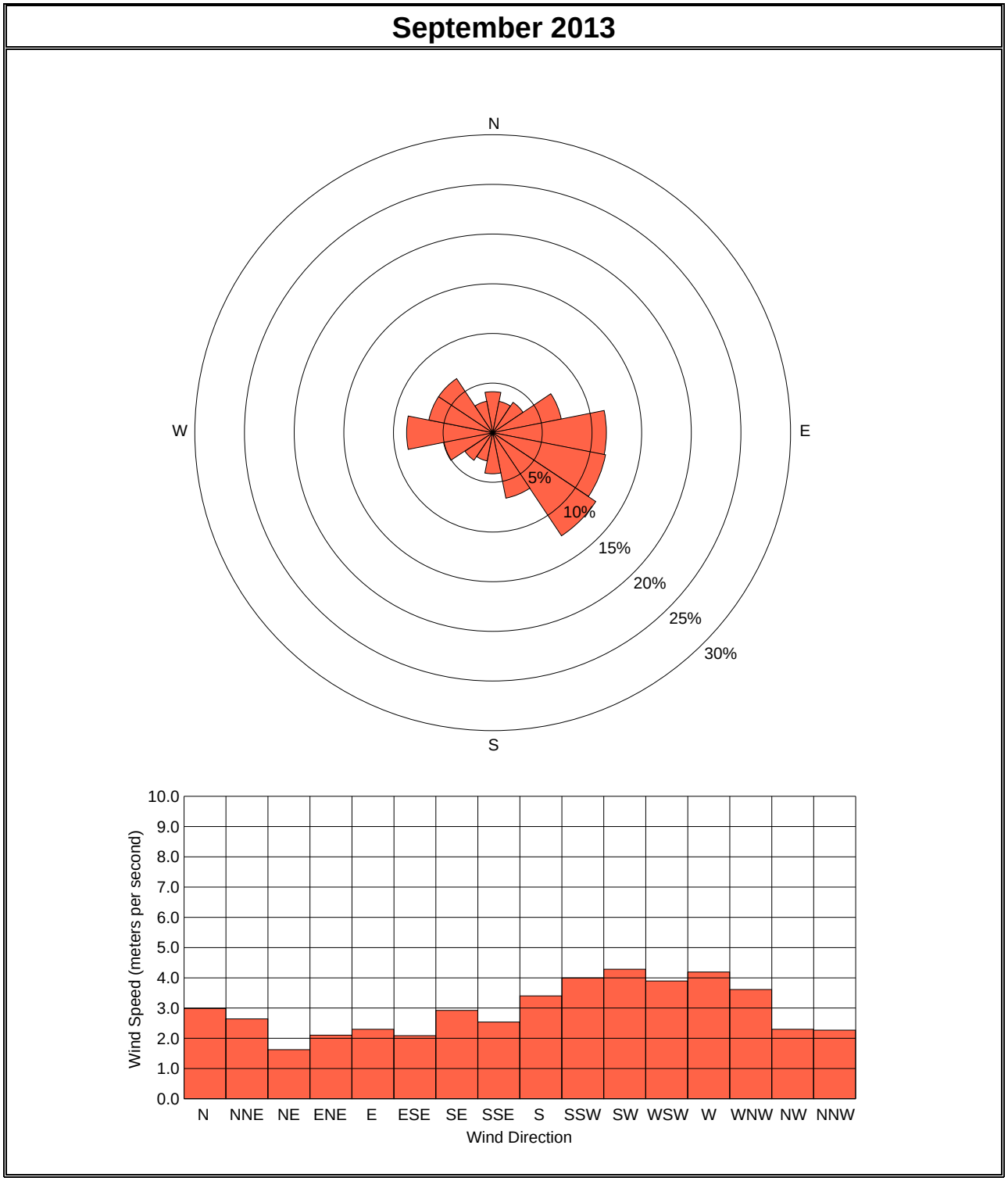
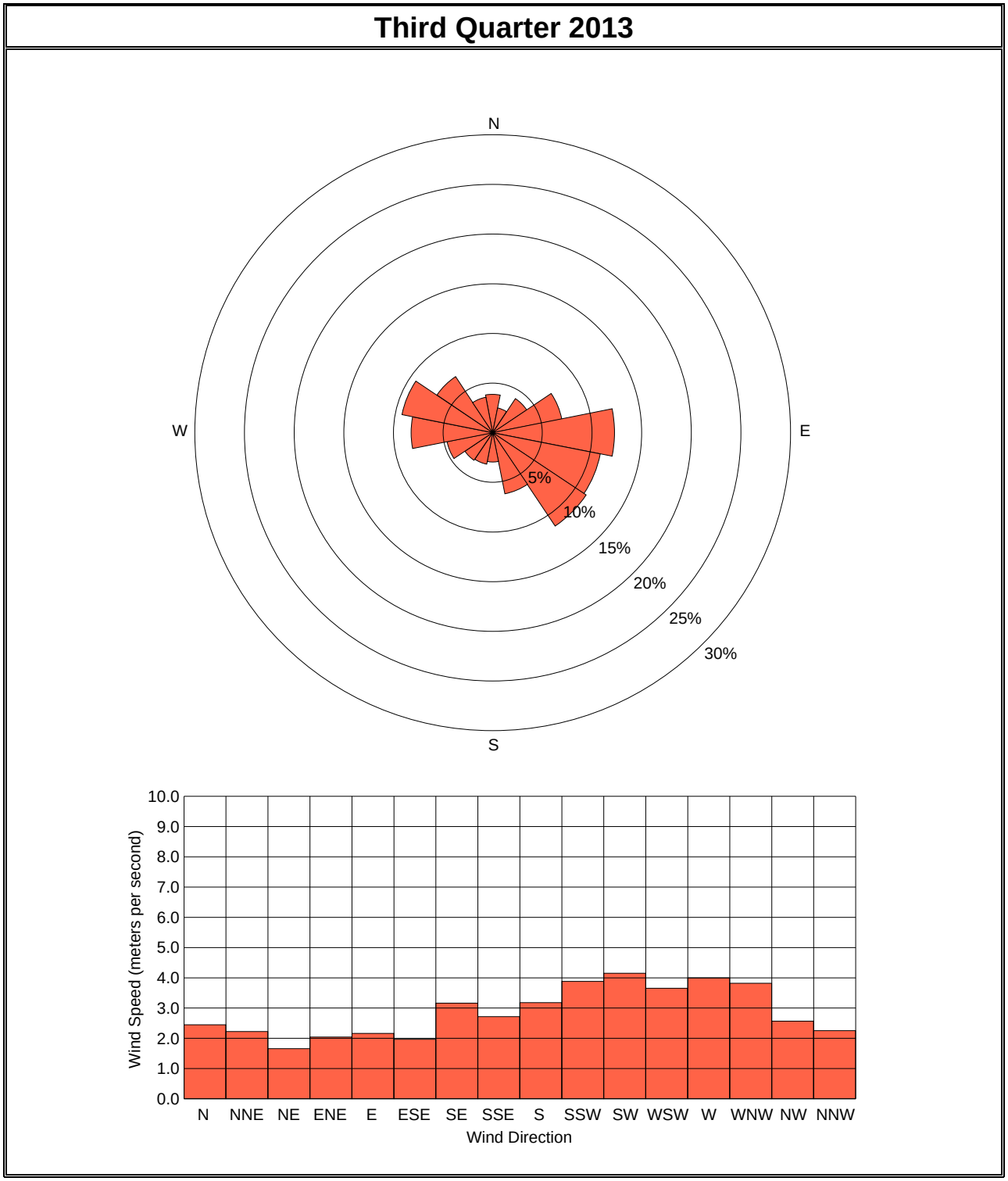


Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower



APPENDIX A: HOURLY AIR QUALITY AND METEOROLOGICAL DATA, THIRD QUARTER 2013

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
July 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	2.3	1.6	1.3	1.2	1.4	1.3	1.0	0.8	1.0	1.4	1.6	2.6	2.4	2.0	2.0	2.2	3.4	3.0	3.8	2.6	3.2	3.8	2.5	1.1	2.1	3.8	0.8
2	1.1	1.7	2.7	2.8	2.5	1.7	1.0	0.6	0.9	1.4	1.7	3.3	3.4	4.4	4.9	5.8	5.6	4.8	1.1	0.7	2.2	2.4	2.3	2.4	2.6	5.8	0.6
3	1.5	2.0	1.1	1.0	1.3	1.2	1.3	1.1	5.1	6.7	6.3	6.4	6.5	5.2	2.7	5.8	5.7	5.6	4.6	2.0	1.7	2.6	2.1	1.2	3.4	6.7	1.0
4	1.4	0.9	1.4	1.1	0.7	0.8	0.6	0.7	2.8	4.6	4.1	3.8	4.9	4.5	3.3	3.9	3.5	2.4	1.0	1.0	2.3	0.7	1.1	1.2	2.2	4.9	0.6
5	1.3	1.2	1.1	0.8	0.9	1.1	0.9	1.3	3.0	1.7	3.4	3.9	3.8	3.5	3.7	2.8	2.4	5.3	6.0	2.9	1.8	1.5	1.3	1.8	2.4	6.0	0.8
6	1.7	2.0	1.0	1.3	1.1	0.4	0.6	0.7	2.7	3.7	3.8	2.4	2.3	1.8	2.1	3.0	3.4	4.4	3.8	2.9	3.1	3.1	2.7	3.0	2.4	4.4	0.4
7	2.6	2.2	2.7	1.6	1.4	1.1	1.6	3.6	4.9	4.2	3.4	2.9	2.6	3.0	2.6	1.4	4.5	5.4	3.6	2.1	1.4	1.0	0.7	1.3	2.6	5.4	0.7
8	0.8	1.2	1.1	2.1	1.1	0.7	1.2	1.0	2.9	3.1	3.4	3.4	5.7	5.7	4.4	3.2	3.1	4.2	4.0	5.7	3.8	1.3	1.1	1.3	2.7	5.7	0.7
9	1.1	1.6	1.1	0.9	0.9	0.8	0.6	0.7	3.9	4.2	3.9	3.5	3.5	3.3	3.5	3.0	4.8	3.0	2.3	0.7	1.8	1.4	1.5	1.6	2.2	4.8	0.6
10	1.5	2.1	1.6	1.7	1.8	1.3	1.1	0.8	1.1	1.6	3.8	4.3	4.4	4.3	4.5	3.3	2.8	2.4	2.5	1.7	2.3	1.6	2.4	1.9	2.4	4.5	0.8
11	1.6	1.2	2.3	2.7	2.1	1.3	1.3	0.7	1.4	3.4	4.5	4.6	6.0	8.8	6.6	8.2	7.8	5.8	5.4	3.6	2.3	6.2	5.5	1.9	4.0	8.8	0.7
12	1.8	1.6	1.3	1.4	1.8	1.1	0.7	0.8	1.8	4.9	5.3	5.6	4.8	4.6	3.3	5.1	5.3	4.3	2.5	2.5	3.8	2.4	3.3	2.8	3.0	5.6	0.7
13	2.2	2.0	1.8	0.8	1.0	0.8	0.6	0.8	2.9	2.9	3.3	3.9	4.5	5.9	5.2	4.3	4.3	3.8	5.7	4.5	4.3	3.2	3.1	3.2	3.1	5.9	0.6
14	3.1	2.1	2.2	1.2	1.8	1.7	5.6	7.3	6.7	6.7	6.5	4.3	3.0	5.1	4.5	2.6	3.2	1.6	4.4	5.6	4.9	4.2	2.8	2.0	3.9	7.3	1.2
15	2.2	2.3	1.4	1.3	2.1	1.0	1.2	0.6	1.3	1.9	3.8	5.1	5.0	5.0	4.2	3.7	3.9	3.7	2.9	5.1	5.3	2.7	1.9	2.6	2.9	5.3	0.6
16	2.1	2.8	1.2	1.2	1.9	0.8	0.7	0.9	1.7	6.9	7.7	8.8	8.7	8.2	8.7	9.3	9.0	8.0	6.7	3.6	3.5	4.7	4.9	3.4	4.8	9.3	0.7
17	1.3	3.3	1.7	1.9	1.0	0.7	1.0	0.7	2.3	1.6	2.5	2.6	2.4	2.6	2.5	2.1	1.8	6.3	4.5	6.2	2.4	1.8	2.7	2.3	2.4	6.3	0.7
18	2.0	1.9	1.0	1.2	0.8	1.4	1.2	0.8	1.7	4.4	5.3	3.3	3.9	5.1	5.0	5.0	5.1	5.5	4.1	1.7	2.4	3.1	2.1	1.3	2.9	5.5	0.8
19	0.9	1.6	1.7	1.4	1.2	1.3	1.1	0.6	0.8	2.8	4.2	3.9	5.0	5.7	5.7	7.8	6.4	4.9	4.0	4.0	2.0	2.4	1.7	0.7	3.0	7.8	0.6
20	1.0	0.9	1.3	1.8	1.0	1.0	0.6	0.7	0.8	1.4	3.1	3.5	3.5	3.0	3.2	2.4	2.4	1.4	2.6	1.8	4.0	3.7	2.3	1.6	2.0	4.0	0.6
21	1.5	0.9	0.9	0.7	1.2	0.8	0.5	0.6	1.3	4.3	4.1	3.9	3.3	3.1	2.4	1.9	2.8	3.1	3.2	1.5	1.7	2.4	1.5	2.1	2.1	4.3	0.5
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
26	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
27	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
28	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
30	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
31	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
Avg	1.7	1.8	1.5	1.4	1.4	1.1	1.2	1.2	2.4	3.5	4.1	4.1	4.3	4.5	4.0	4.1	4.3	4.2	3.7	3.0	2.9	2.7	2.4	1.9	2.8	5.8	0.7
Max	3.1	3.3	2.7	2.8	2.5	1.7	5.6	7.3	6.7	6.9	7.7	8.8	8.7	8.8	8.7	9.3	9.0	8.0	6.7	6.2	5.3	6.2	5.5	3.4	4.8	9.3	1.2
Min	0.8	0.9	0.9	0.7	0.7	0.4	0.5	0.6	0.8	1.4	1.6	2.4	2.3	1.8	2.0	1.4	1.8	1.4	1.0	0.7	1.4	0.7	0.7	0.7	2.0	3.8	0.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
August 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
2	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
3	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
4	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
5	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
6	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
7	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
9	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
10	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
11	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
12	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
13	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
14	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
15	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
18	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
19	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
20	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
21	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
26	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
27	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
28	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	3.9	3.4	4.6	3.5	3.7	3.2	4.3	3.3	2.8	2.7	3.5	4.6	2.7
30	3.3	2.7	1.4	1.7	1.2	1.4	1.2	1.1	0.9	3.0	4.6	6.3	5.8	7.4	6.3	6.3	5.3	4.7	4.8	4.1	3.7	3.0	3.5	2.3	3.6	7.4	0.9
31	1.6	1.9	1.1	0.7	1.1	0.6	0.9	0.8	0.8	3.0	4.1	4.2	3.4	2.6	3.1	2.3	2.2	1.3	1.2	3.5	3.1	2.1	2.3	1.6	2.1	4.2	0.6
Avg	2.5	2.3	1.3	1.2	1.1	1.0	1.1	1.0	0.9	3.0	4.3	5.3	4.6	5.0	4.4	4.0	4.0	3.2	3.2	3.6	3.7	2.8	2.9	2.2	2.9	5.4	1.4
Max	3.3	2.7	1.4	1.7	1.2	1.4	1.2	1.1	0.9	3.0	4.6	6.3	5.8	7.4	6.3	6.3	5.3	4.7	4.8	4.1	4.3	3.3	3.5	2.7	3.6	7.4	2.7
Min	1.6	1.9	1.1	0.7	1.1	0.6	0.9	0.8	0.8	3.0	4.1	4.2	3.4	2.6	3.1	2.3	2.2	1.3	1.2	3.2	3.1	2.1	2.3	1.6	2.1	4.2	0.6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
September 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	2.0	1.9	1.6	1.6	2.5	1.6	1.2	0.6	0.8	1.3	2.2	2.3	2.9	3.5	2.8	3.2	2.3	1.5	1.1	2.5	1.7	2.0	2.0	2.0	2.0	3.5	0.6
2	1.5	1.7	1.2	1.5	1.0	1.3	1.1	0.6	0.5	2.4	4.7	5.5	7.1	6.8	6.2	5.9	3.6	3.3	2.4	1.5	1.8	1.6	1.9	1.5	2.8	7.1	0.5
3	1.2	1.6	0.7	1.0	1.2	0.5	0.7	0.7	0.6	0.9	2.5	2.2	2.4	2.2	3.0	4.6	3.6	3.0	3.1	3.7	3.4	5.2	3.2	1.2	2.2	5.2	0.5
4	2.0	1.1	1.1	0.9	1.0	1.7	1.3	0.6	1.0	1.0	1.7	2.1	2.8	2.5	2.7	4.3	3.8	3.4	2.1	3.4	2.1	2.2	1.8	0.8	2.0	4.3	0.6
5	1.2	1.5	1.5	1.3	1.5	1.4	0.6	0.7	0.6	1.7	3.7	4.6	4.0	4.8	8.4	6.0	4.9	4.3	2.4	1.9	1.8	2.5	1.2	1.9	2.7	8.4	0.6
6	5.1	3.1	1.4	2.1	2.1	1.9	2.0	1.3	1.5	1.2	1.8	3.3	4.3	4.2	5.7	6.1	4.7	4.3	1.9	1.9	3.4	2.1	1.6	1.1	2.8	6.1	1.1
7	1.0	1.1	0.7	0.7	1.0	1.0	0.9	0.5	1.4	1.0	1.7	2.1	2.0	3.0	3.9	2.9	5.2	5.7	5.5	5.0	4.1	2.9	4.6	2.2	2.5	5.7	0.5
8	1.7	1.0	0.8	0.7	0.7	0.8	0.4	0.7	0.5	0.8	1.2	3.1	5.6	7.3	5.8	3.6	4.1	5.3	3.5	4.1	1.5	1.3	2.2	1.8	2.4	7.3	0.4
9	1.5	1.1	0.6	0.9	1.1	1.8	1.5	2.6	4.8	4.7	5.3	5.6	5.9	5.2	4.7	5.7	4.3	4.6	1.4	2.2	2.1	2.7	2.1	1.7	3.1	5.9	0.6
10	1.7	1.2	1.5	1.4	1.4	1.2	0.5	1.5	0.9	0.8	2.1	3.4	3.0	2.3	2.1	1.8	1.6	1.9	2.3	3.1	1.8	2.0	1.7	2.0	1.8	3.4	0.5
11	1.4	1.9	1.4	1.1	1.0	1.0	1.0	0.5	0.8	1.1	2.2	3.2	3.6	3.4	3.2	3.7	4.8	4.6	4.3	4.4	4.1	4.0	4.1	2.3	2.6	4.8	0.5
12	1.8	1.5	3.0	2.6	1.6	4.2	1.9	1.3	4.7	7.1	7.3	7.8	6.5	7.0	6.2	5.5	6.0	5.4	3.4	3.1	4.6	2.0	1.8	3.0	4.1	7.8	1.3
13	2.2	1.6	1.8	1.9	1.5	1.7	1.4	0.5	0.9	0.9	1.8	3.2	2.9	2.6	2.3	2.1	2.9	3.6	1.4	1.5	1.3	1.0	0.8	0.4	1.8	3.6	0.4
14	0.5	1.0	1.2	0.7	0.8	1.1	1.2	3.8	4.6	5.2	6.0	8.1	8.0	5.1	4.7	5.1	7.2	5.8	3.6	4.2	3.2	1.4	1.7	2.8	3.6	8.1	0.5
15	3.3	2.6	2.5	4.0	3.2	1.5	1.2	1.8	4.8	7.9	8.0	8.1	9.8	7.9	7.1	5.9	4.9	2.7	3.1	1.7	1.9	2.4	3.5	3.3	4.3	9.8	1.2
16	1.7	2.8	2.0	1.4	1.1	1.2	1.1	0.9	2.1	2.8	3.5	4.6	5.7	4.7	6.1	10.7	2.9	3.8	2.3	2.0	3.0	1.5	2.0	1.5	3.0	10.7	0.9
17	1.5	1.3	1.0	1.2	0.5	1.0	1.1	0.9	1.2	3.8	3.3	4.6	4.6	2.1	1.7	5.7	5.0	3.5	3.2	6.8	2.1	2.9	2.8	5.0	2.8	6.8	0.5
18	2.6	2.0	2.3	1.3	1.4	1.2	2.2	2.6	4.6	4.5	5.2	6.3	6.1	7.4	6.3	6.6	7.8	7.2	4.8	3.9	3.8	4.5	4.0	4.1	4.3	7.8	1.2
19	4.2	2.7	1.2	0.8	0.5	0.6	0.6	1.0	2.3	3.3	4.8	4.8	5.2	4.1	3.3	4.3	3.2	1.9	2.5	3.9	3.3	2.4	2.0	1.7	2.7	5.2	0.5
20	1.3	1.5	1.8	1.8	1.7	1.9	2.0	1.4	0.9	3.1	2.7	3.5	4.4	4.9	5.4	5.6	4.7	2.6	2.7	2.6	1.3	1.4	1.8	1.7	2.6	5.6	0.9
21	1.9	1.3	2.6	2.5	2.4	2.8	2.8	1.7	1.3	1.5	5.7	5.8	6.8	5.7	6.3	6.3	4.1	2.8	1.9	2.3	3.5	2.3	1.4	1.5	3.2	6.8	1.3
22	0.9	1.0	1.0	2.2	1.2	1.9	1.8	1.8	1.7	1.4	1.6	3.4	3.9	3.4	4.8	6.5	7.0	6.9	2.1	1.9	1.1	1.3	1.9	0.8	2.6	7.0	0.8
23	1.7	1.7	1.3	0.9	0.8	1.9	4.0	3.9	5.9	8.7	6.1	9.8	9.2	8.8	8.9	8.1	7.7	4.3	4.8	4.8	4.9	4.6	2.4	2.6	4.9	9.8	0.8
24	1.5	1.6	1.6	2.2	2.1	1.3	1.4	0.7	0.5	1.5	Au	Au	Au	Au	2.3	2.3	1.2	2.7	5.0	4.0	2.4	2.4	1.3	2.2	2.0	5.0	0.5
25	1.0	1.5	1.3	0.6	1.2	1.2	1.0	1.8	1.6	1.6	1.7	3.1	3.3	2.9	3.4	3.6	3.9	3.1	3.1	1.4	2.6	1.6	1.2	1.7	2.1	3.9	0.6
26	2.1	2.3	3.3	3.2	3.3	3.4	2.7	2.2	6.9	6.2	6.5	2.9	3.5	3.6	4.4	3.7	4.0	3.1	2.6	2.1	1.0	0.9	1.0	1.5	3.2	6.9	0.9
27	0.5	0.7	0.7	0.5	1.1	0.9	0.9	0.8	1.0	4.2	5.5	5.8	6.4	6.6	6.7	6.3	5.6	5.9	5.7	4.7	4.4	3.5	1.9	0.7	3.4	6.7	0.5
28	2.6	1.5	2.2	3.3	1.9	1.3	1.9	2.4	2.8	4.4	4.9	6.0	6.6	6.2	6.2	4.9	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	3.7	6.6	1.3
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
30	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
Avg	1.8	1.6	1.5	1.6	1.5	1.5	1.4	1.4	2.2	3.0	3.8	4.6	5.1	4.7	4.8	5.0	4.5	4.0	3.0	3.1	2.7	2.4	2.1	2.0	2.9	6.4	0.7
Max	5.1	3.1	3.3	4.0	3.3	4.2	4.0	3.9	6.9	8.7	8.0	9.8	9.8	8.8	8.9	10.7	7.8	7.2	5.7	6.8	4.9	5.2	4.6	5.0	4.9	10.7	1.3
Min	0.5	0.7	0.6	0.5	0.5	0.5	0.4	0.5	0.5	0.8	1.2	2.1	2.0	2.1	1.7	1.8	1.2	1.5	1.1	1.4	1.0	0.9	0.8	0.4	1.8	3.4	0.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
July 2013

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	54	63	24	70	91	81	213	312	345	256	208	311	257	263	321	232	101	103	127	93	90	85	84	74	71
2	69	92	64	73	93	89	134	328	349	314	313	297	267	271	278	275	282	263	45	240	94	57	72	71	11
3	70	87	66	42	47	17	12	344	289	289	287	282	290	281	307	275	306	308	296	308	129	104	98	64	344
4	109	43	119	106	97	151	182	104	294	288	288	285	264	296	280	291	306	316	300	276	135	352	152	84	288
5	6	43	101	29	356	99	20	316	275	329	290	302	299	301	341	338	319	346	157	87	136	127	118	60	5
6	56	86	52	71	110	159	237	357	285	266	238	297	348	335	345	111	148	144	76	82	96	111	154	159	92
7	146	243	119	353	106	104	109	142	142	137	143	149	191	292	305	36	150	143	156	121	123	102	131	160	135
8	79	47	49	3	104	138	136	99	131	180	277	297	312	342	54	203	313	279	289	321	33	299	147	141	33
9	63	79	111	67	95	103	83	78	305	283	300	312	282	321	286	290	289	301	328	279	101	123	129	124	12
10	95	111	99	81	113	86	129	314	350	337	257	251	268	287	289	285	220	215	190	119	86	74	65	114	113
11	147	123	117	111	79	38	128	311	356	275	273	237	224	199	208	200	207	202	201	255	256	273	284	335	221
12	89	96	107	127	115	148	196	339	320	203	200	239	237	219	232	234	179	84	52	64	79	50	87	100	134
13	125	131	77	26	89	350	87	264	319	301	289	274	300	295	301	326	317	357	53	71	71	70	72	83	13
14	110	119	137	118	139	142	130	134	136	138	149	139	231	245	247	299	279	332	110	137	128	131	100	198	146
15	133	102	96	63	106	74	151	324	118	141	247	214	221	227	226	276	287	311	293	7	349	346	282	305	269
16	302	332	299	276	159	141	145	339	335	152	145	144	143	146	139	140	143	149	150	149	146	150	150	138	151
17	165	151	139	100	177	195	109	355	151	160	140	158	205	275	295	326	333	216	140	106	102	123	81	77	143
18	90	93	132	96	67	36	131	183	273	290	285	283	292	291	291	285	278	286	305	309	65	49	74	112	335
19	56	62	73	89	47	58	117	6	302	254	295	284	279	293	277	295	276	295	289	6	103	45	92	56	357
20	81	81	360	108	82	88	95	196	4	326	292	265	293	253	255	199	248	215	260	271	96	93	100	98	142
21	41	21	94	23	96	114	354	207	10	284	293	309	320	260	264	19	247	232	258	158	117	79	52	99	4
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
26	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
27	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
28	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
30	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
31	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
Prev	87	84	89	70	96	99	125	335	324	262	260	266	267	275	283	279	266	266	232	75	100	81	102	99	86

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
August 2013

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
2	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
3	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
4	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
5	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
6	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
7	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
9	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
10	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
11	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
12	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
13	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
14	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
15	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
18	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
19	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
20	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
21	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
26	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
27	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
28	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	215	181	215	210	189	109	59	130	115	93	154
30	97	99	109	120	120	114	148	118	165	154	196	236	256	264	279	281	283	280	306	312	335	82	86	74	156
31	59	91	88	56	61	44	121	274	322	293	284	252	305	262	279	221	335	71	102	85	81	91	110	112	54
Prev	78	95	99	88	91	79	135	196	244	224	240	244	281	263	259	227	279	236	179	70	42	101	104	93	123

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
September 2013

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	123	131	109	97	84	64	66	251	79	248	157	269	276	295	235	292	321	44	151	98	17	62	64	69	81
2	55	96	104	128	63	85	158	1	321	155	148	145	146	134	122	136	201	176	141	91	100	112	104	91	118
3	30	86	48	79	115	16	145	302	133	349	266	274	298	240	133	50	60	48	69	78	73	262	291	175	55
4	81	106	110	309	102	69	115	128	148	297	14	329	260	254	267	287	273	261	30	90	88	88	84	35	62
5	80	88	91	76	113	132	82	146	352	142	176	166	211	242	211	199	222	202	257	94	43	54	77	188	137
6	107	109	48	113	113	114	109	159	125	169	60	153	173	184	153	129	155	98	62	74	117	165	291	325	122
7	9	92	277	89	74	85	77	346	142	336	305	321	281	154	181	185	163	181	29	63	74	294	85	110	78
8	91	60	31	75	121	137	125	151	74	360	282	221	220	261	180	64	319	317	309	286	331	129	141	121	98
9	57	69	20	113	96	267	348	335	277	277	282	281	283	288	289	285	299	294	294	97	76	77	104	96	333
10	107	82	64	66	101	102	42	137	207	8	258	278	283	276	258	299	272	250	314	59	16	52	11	55	14
11	23	61	42	83	71	38	49	332	324	287	312	127	102	120	97	99	100	81	81	78	84	82	82	111	70
12	155	117	108	130	149	92	153	91	135	144	151	141	136	144	134	133	139	129	101	95	114	173	122	115	129
13	168	201	114	87	112	60	102	127	148	138	313	271	264	259	287	287	335	35	110	90	61	49	37	162	102
14	339	105	133	114	349	351	267	338	314	316	348	11	21	4	6	355	14	8	31	62	83	147	138	89	21
15	96	128	129	110	95	116	146	141	163	145	138	136	143	133	121	125	123	90	131	54	125	123	125	137	125
16	134	144	140	113	123	138	141	147	113	148	170	194	198	204	217	165	154	170	74	104	93	32	112	68	139
17	49	100	107	119	328	128	105	325	112	113	139	135	154	360	99	290	23	266	67	84	151	85	96	78	94
18	104	115	86	100	55	134	116	217	213	249	261	264	265	261	255	257	275	294	298	290	282	294	303	304	262
19	310	322	327	122	186	311	346	58	327	289	286	278	258	271	263	249	254	226	147	90	95	107	114	124	277
20	140	134	100	130	131	126	121	155	135	136	150	157	169	180	179	174	176	174	116	110	95	128	113	69	138
21	126	131	86	92	103	102	88	126	134	6	189	189	196	226	228	222	216	196	175	111	78	55	315	122	140
22	92	139	155	145	178	168	143	278	315	308	190	194	208	203	233	280	275	282	311	151	320	32	305	206	220
23	111	90	105	122	134	247	262	276	259	267	255	268	266	267	272	274	261	267	278	293	283	296	295	101	262
24	105	100	84	118	124	145	151	243	259	127	Au	Au	Au	Au	330	311	340	313	292	313	117	271	174	318	181
25	280	165	134	12	304	163	93	251	281	326	92	10	1	350	27	14	352	13	360	19	316	323	164	266	349
26	308	307	324	331	316	295	296	266	331	323	350	303	351	355	348	355	3	1	333	322	133	215	59	155	328
27	320	74	306	36	87	36	149	167	113	258	250	258	253	257	255	247	242	246	243	251	260	276	271	319	260
28	248	252	289	280	238	217	232	210	216	215	208	220	217	228	217	214	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	230
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
30	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
Prev	83	107	85	97	104	105	114	199	167	266	229	231	233	241	221	252	269	261	41	75	76	82	90	104	118

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
July 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	43	38	42	26	19	48	84	39	34	60	61	37	49	61	36	95	38	22	18	23	9	4	48	38	41	95	4
2	38	34	14	15	17	31	51	69	43	41	33	18	18	22	17	15	14	8	77	67	46	30	23	20	32	77	8
3	43	36	43	48	46	56	73	62	15	12	12	16	17	29	35	24	14	10	9	38	44	19	25	57	33	73	9
4	28	87	75	46	69	51	79	93	47	19	20	25	30	12	23	23	22	23	53	44	34	84	72	46	46	93	12
5	40	70	66	68	48	45	83	51	27	46	28	23	28	34	23	32	44	66	81	23	18	24	58	61	45	83	18
6	37	28	57	68	32	54	82	40	49	25	25	61	37	37	45	38	32	38	22	21	17	54	17	19	39	82	17
7	50	79	51	89	39	56	32	34	11	15	22	49	80	44	52	71	12	12	16	39	57	55	91	37	46	91	11
8	95	88	73	75	96	81	63	67	21	55	31	33	29	21	49	80	35	15	21	29	31	78	46	78	54	96	15
9	78	66	49	45	70	59	80	94	31	21	22	28	43	55	43	46	19	24	21	63	42	39	22	17	45	94	17
10	23	17	26	37	26	32	52	40	31	40	30	23	33	38	22	40	43	27	52	30	44	45	12	48	34	52	12
11	65	50	27	24	21	49	41	57	37	49	20	20	15	14	14	9	13	9	11	17	23	17	14	88	29	88	9
12	53	47	35	35	28	43	69	58	84	19	28	22	23	61	43	48	67	36	61	38	20	44	25	18	42	84	18
13	27	25	40	55	67	44	46	69	14	27	33	34	25	18	25	18	13	25	31	14	11	11	10	16	29	69	10
14	18	46	55	58	49	25	13	11	11	15	15	23	70	18	15	33	32	39	59	13	16	21	83	63	33	83	11
15	28	48	59	39	24	43	19	81	38	46	38	21	30	28	21	35	29	40	51	19	60	50	63	21	39	81	19
16	24	31	27	32	28	32	62	30	50	10	12	13	9	9	9	8	8	8	8	13	22	8	10	18	20	62	8
17	32	17	65	45	97	80	45	91	28	82	65	32	66	53	50	60	81	95	79	37	27	36	25	15	54	97	15
18	28	35	50	65	68	57	48	83	59	13	14	38	30	31	21	23	33	17	19	71	49	25	43	57	41	83	13
19	75	22	19	24	35	50	62	92	48	40	23	30	26	22	29	11	18	17	18	39	62	58	75	95	41	95	11
20	49	74	44	31	62	47	79	85	69	45	37	35	33	56	48	60	57	82	36	71	27	13	22	25	49	85	13
21	39	46	80	84	38	46	41	97	49	32	28	34	39	60	64	93	64	36	16	34	48	29	50	41	50	97	16
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
26	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
27	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
28	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
30	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
31	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
Avg	43	47	47	48	47	49	57	64	38	34	28	29	35	34	33	41	33	31	36	35	34	35	40	42	40	84	13
Max	95	88	80	89	97	81	84	97	84	82	65	61	80	61	64	95	81	95	81	71	62	84	91	95	54	97	19
Min	18	17	14	15	17	25	13	11	11	10	12	13	9	9	9	8	8	8	8	13	9	4	10	15	20	52	4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
August 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
2	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
3	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
4	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
5	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
6	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
7	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
9	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
10	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
11	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
12	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
13	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
14	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
15	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
18	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
19	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
20	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
21	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
26	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
27	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
28	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	78	41	18	11	15	33	46	65	66	33	41	78	11
30	19	24	30	26	62	40	53	77	46	36	21	18	21	22	18	20	19	20	15	12	33	31	23	46	31	77	12
31	40	37	65	62	37	78	91	92	61	45	28	29	33	56	69	72	50	58	52	33	42	29	31	35	51	92	28
Avg	30	31	48	44	50	59	72	85	54	41	25	24	27	39	55	44	29	30	27	26	40	42	40	38	41	82	17
Max	40	37	65	62	62	78	91	92	61	45	28	29	33	56	78	72	50	58	52	33	46	65	66	46	51	92	28
Min	19	24	30	26	37	40	53	77	46	36	21	18	21	22	18	20	18	11	15	12	33	29	23	33	31	77	11

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
September 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	16	19	18	24	19	25	76	71	83	99	77	91	40	33	66	47	31	42	83	28	33	31	21	26	46	99	16
2	42	36	49	22	45	51	53	63	84	55	15	10	11	13	12	17	9	19	52	62	65	77	42	30	39	84	9
3	47	39	46	48	53	52	50	92	79	81	37	48	61	76	58	12	13	11	13	9	86	29	30	91	48	92	9
4	26	38	54	86	50	59	50	44	40	99	77	53	50	42	55	43	25	9	87	25	27	32	40	52	48	99	9
5	42	32	50	38	51	41	73	66	61	39	24	24	27	24	15	21	20	19	71	65	53	69	89	88	46	89	15
6	52	22	46	28	37	36	29	22	45	68	97	32	35	34	15	13	52	19	56	51	17	70	85	69	43	97	13
7	69	40	81	54	48	54	40	74	43	68	47	52	81	56	14	31	36	73	65	19	45	92	13	28	51	92	13
8	32	55	74	69	69	28	88	46	88	78	95	25	31	27	102	47	17	14	13	16	62	60	37	60	51	102	13
9	39	61	78	61	78	37	33	62	15	17	15	12	18	13	17	16	23	16	47	56	28	21	22	39	34	78	12
10	22	41	29	40	31	59	59	19	68	65	68	31	43	51	54	56	37	16	74	29	31	42	33	26	43	74	16
11	36	31	69	68	48	49	40	96	61	49	72	37	25	33	36	24	15	14	9	8	10	7	4	37	37	96	4
12	24	21	15	18	36	15	39	36	19	10	13	10	14	11	13	12	13	12	17	28	53	91	27	23	24	91	10
13	28	89	41	37	33	27	33	92	67	88	49	25	36	27	19	17	43	10	85	42	47	44	75	93	48	93	10
14	76	95	43	78	83	20	39	11	9	16	21	15	12	17	17	19	11	9	12	11	43	53	53	41	34	95	9
15	11	30	31	24	23	46	64	45	32	10	12	13	11	12	15	15	19	42	69	66	44	31	19	19	29	69	10
16	50	23	26	44	38	37	53	57	30	28	32	21	22	16	13	20	20	14	37	44	23	51	41	49	33	57	13
17	46	45	65	41	77	48	89	82	47	37	41	23	19	90	81	12	52	74	24	10	49	14	55	12	47	90	10
18	26	21	30	42	62	62	75	47	10	11	12	13	12	12	15	14	11	15	17	8	9	8	13	10	23	75	8
19	9	11	22	45	93	49	73	70	24	29	18	23	17	18	27	20	23	30	60	10	10	19	16	17	31	93	9
20	23	25	21	14	17	21	20	20	39	15	38	24	22	21	16	12	16	14	27	17	33	39	31	55	24	55	12
21	30	55	49	43	31	30	27	27	39	61	39	22	18	20	15	15	14	11	57	20	35	35	55	44	33	61	11
22	85	59	53	77	79	84	47	85	49	38	81	24	24	53	39	9	8	19	55	41	95	77	46	69	54	95	8
23	56	61	49	75	76	57	19	21	15	13	18	17	16	15	13	13	16	18	13	16	13	8	23	29	28	76	8
24	37	62	37	21	26	23	30	80	84	81	Au	Au	Au	Au	31	30	26	11	18	24	78	67	90	33	44	90	11
25	93	65	33	86	61	63	91	86	45	52	85	21	20	27	23	21	19	19	18	69	39	41	55	71	50	93	18
26	29	12	14	14	17	15	24	46	16	15	32	80	40	39	22	19	18	17	17	28	86	78	67	40	33	86	12
27	53	85	97	59	48	54	36	23	38	23	16	18	15	13	14	12	11	11	10	11	10	19	23	37	31	97	10
28	19	36	22	18	21	20	27	24	22	11	14	16	12	12	14	14	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	19	36	11
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
30	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
Avg	40	43	44	46	48	42	49	54	45	45	42	29	27	30	30	21	22	21	41	30	42	45	41	44	38	84	11
Max	93	95	97	86	93	84	91	96	88	99	97	91	81	90	102	56	52	74	87	69	95	92	90	93	54	102	18
Min	9	11	14	14	17	15	19	11	9	10	12	10	11	11	12	9	8	9	9	8	9	7	4	10	19	36	4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
July 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	13.8	12.9	12.0	11.4	10.5	10.2	12.6	16.7	20.6	23.4	24.5	25.2	25.7	26.1	26.5	26.8	26.5	25.7	24.2	23.4	20.8	19.1	16.6	14.4	19.6	26.8	10.2
2	13.0	11.9	11.7	11.1	9.8	9.7	11.7	16.4	20.7	23.1	24.7	25.9	27.1	28.2	29.1	29.8	29.8	28.1	27.7	24.4	20.4	17.7	16.0	15.2	20.1	29.8	9.7
3	13.1	12.7	11.9	11.9	11.4	10.8	13.7	18.8	22.9	24.3	25.0	25.7	26.2	26.8	27.0	27.8	27.4	27.0	26.1	24.5	20.6	16.2	14.3	12.5	19.9	27.8	10.8
4	10.9	10.3	9.5	9.0	9.1	8.7	11.1	16.0	20.1	21.3	21.9	22.8	23.5	23.4	23.8	24.3	24.5	24.6	24.8	22.8	18.3	18.4	15.1	12.6	17.8	24.8	8.7
5	10.9	11.0	9.1	8.6	8.3	8.6	10.5	14.7	16.4	18.1	19.0	19.7	20.6	21.4	21.9	22.3	22.3	19.9	13.9	13.6	12.5	11.9	9.6	8.3	14.7	22.3	8.3
6	7.6	6.9	5.9	5.1	4.1	3.8	5.7	10.2	14.2	15.7	16.8	17.6	18.6	19.4	20.7	21.8	22.4	21.4	19.6	18.3	17.0	15.4	13.9	13.6	14.0	22.4	3.8
7	13.1	12.1	11.9	11.7	9.9	9.3	11.9	14.5	15.9	17.2	18.4	19.9	21.5	22.8	22.9	23.2	22.1	21.3	19.5	18.9	16.9	15.0	13.4	13.1	16.5	23.2	9.3
8	11.3	10.3	9.9	9.8	9.7	9.1	11.1	15.2	19.8	20.7	21.1	21.3	19.6	16.6	17.0	19.4	19.8	20.0	20.5	19.4	15.1	12.7	9.7	7.9	15.3	21.3	7.9
9	7.0	6.1	4.9	4.2	3.1	2.8	5.5	10.5	14.9	16.3	17.3	18.6	19.9	20.7	21.6	22.5	23.4	23.4	22.7	20.7	16.3	16.9	15.2	13.9	14.5	23.4	2.8
10	10.5	8.3	8.3	7.0	6.2	6.3	8.6	12.8	17.9	21.0	23.4	24.7	25.7	26.5	27.4	27.6	28.1	28.1	26.8	24.4	22.9	22.3	21.5	20.9	19.1	28.1	6.2
11	19.9	15.8	13.3	12.1	10.8	10.2	12.3	15.7	20.8	23.5	24.1	23.7	23.3	23.7	23.8	22.6	22.0	21.0	20.4	18.6	16.5	15.6	14.6	14.0	18.3	24.1	10.2
12	11.9	9.7	8.3	6.7	5.1	5.7	8.4	13.2	17.5	19.1	20.5	22.0	22.3	20.0	21.3	22.9	18.3	16.4	16.0	15.6	13.8	12.9	12.0	11.6	14.6	22.9	5.1
13	9.7	8.0	7.9	7.1	6.1	5.2	9.0	12.6	15.9	17.2	18.3	19.4	19.8	20.5	20.8	20.7	20.7	20.3	18.9	16.4	15.3	13.5	13.1	12.7	14.5	20.8	5.2
14	13.7	13.3	12.4	11.9	12.0	11.9	12.9	13.5	15.0	16.3	17.6	19.0	19.5	21.9	21.8	22.1	22.9	22.7	22.6	20.4	19.2	18.6	17.5	16.2	17.3	22.9	11.9
15	15.6	13.8	11.0	9.3	8.2	7.1	9.6	14.4	19.7	22.4	24.2	25.4	26.2	26.6	26.9	27.4	27.8	26.9	25.7	23.1	20.0	16.7	14.3	12.8	19.0	27.8	7.1
16	11.9	10.8	9.7	8.8	7.1	6.4	8.5	11.2	14.3	17.2	17.9	18.1	18.1	19.3	20.4	20.1	19.9	19.2	17.7	16.0	15.0	14.0	13.6	13.4	14.5	20.4	6.4
17	13.1	12.5	12.4	12.3	11.8	11.5	12.0	13.1	15.3	17.7	20.3	22.1	23.7	25.0	26.0	26.7	26.6	21.7	16.3	13.9	13.7	12.3	11.7	11.0	16.8	26.7	11.0
18	10.3	9.3	8.8	7.8	7.4	7.5	8.6	12.1	16.2	18.8	20.0	21.1	22.2	23.3	23.8	24.4	24.8	24.9	24.0	21.9	17.1	14.8	12.5	9.8	16.3	24.9	7.4
19	9.2	9.3	8.4	6.7	6.4	6.0	7.9	12.9	17.8	20.5	21.6	22.6	23.8	24.5	25.2	25.4	25.4	25.0	24.4	22.4	18.4	14.2	12.1	9.9	16.7	25.4	6.0
20	9.0	7.1	7.1	7.0	5.7	5.6	7.7	12.5	17.5	20.5	21.9	22.6	23.3	23.7	24.4	25.3	25.0	25.1	25.0	23.1	16.8	13.4	10.0	7.7	16.1	25.3	5.6
21	7.5	6.7	6.1	4.8	4.1	3.9	5.9	11.6	17.9	20.5	21.5	22.2	22.9	23.7	24.5	25.3	26.0	26.2	25.9	22.5	18.8	16.9	13.0	16.6	16.5	26.2	3.9
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
26	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
27	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
28	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
30	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
31	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
Avg	11.6	10.4	9.5	8.8	7.9	7.6	9.8	13.7	17.7	19.8	21.0	21.9	22.5	23.1	23.7	24.2	24.1	23.3	22.0	20.2	17.4	15.6	13.8	12.8	16.8	24.6	7.5
Max	19.9	15.8	13.3	12.3	12.0	11.9	13.7	18.8	22.9	24.3	25.0	25.9	27.1	28.2	29.1	29.8	29.8	28.1	27.7	24.5	22.9	22.3	21.5	20.9	20.1	29.8	11.9
Min	7.0	6.1	4.9	4.2	3.1	2.8	5.5	10.2	14.2	15.7	16.8	17.6	18.1	16.6	17.0	19.4	18.3	16.4	13.9	13.6	12.5	11.9	9.6	7.7	14.0	20.4	2.8

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
August 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
2	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
3	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
4	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
5	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
6	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
7	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
9	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
10	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
11	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
12	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
13	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
14	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
15	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
18	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
19	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
20	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
21	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
26	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
27	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
28	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	27.1	27.0	26.8	26.1	23.7	19.9	17.6	17.7	16.9	14.9	21.8	27.1	14.9
30	13.0	11.0	10.0	9.4	8.7	8.2	8.0	10.7	16.9	22.1	24.1	24.8	24.9	25.6	25.2	25.9	25.7	25.0	23.0	20.1	17.0	15.4	11.9	9.4	17.3	25.9	8.0
31	8.2	6.6	5.4	4.7	3.5	2.6	2.1	6.0	12.6	16.3	17.4	18.6	19.5	20.7	21.4	22.0	22.3	22.3	21.0	15.5	13.8	11.7	9.9	11.9	13.2	22.3	2.1
Avg	10.6	8.8	7.7	7.1	6.1	5.4	5.0	8.3	14.8	19.2	20.8	21.7	22.2	23.1	24.6	25.0	24.9	24.5	22.6	18.5	16.1	14.9	12.9	12.1	16.4	25.1	8.3
Max	13.0	11.0	10.0	9.4	8.7	8.2	8.0	10.7	16.9	22.1	24.1	24.8	24.9	25.6	27.1	27.0	26.8	26.1	23.7	20.1	17.6	17.7	16.9	14.9	21.8	27.1	14.9
Min	8.2	6.6	5.4	4.7	3.5	2.6	2.1	6.0	12.6	16.3	17.4	18.6	19.5	20.7	21.4	22.0	22.3	22.3	21.0	15.5	13.8	11.7	9.9	9.4	13.2	22.3	2.1

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
September 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	13.3	13.3	13.0	10.2	7.0	5.9	4.6	8.3	14.6	18.8	21.4	23.4	25.0	25.8	26.7	27.2	27.2	27.1	24.9	17.8	15.3	13.7	12.7	11.1	17.0	27.2	4.6
2	9.8	9.5	8.5	7.1	7.0	6.6	6.1	9.7	17.4	24.1	26.9	27.4	27.4	28.1	27.7	26.8	26.5	25.0	22.7	21.8	18.9	16.5	14.7	12.6	17.9	28.1	6.1
3	11.1	9.8	7.9	7.2	5.8	6.0	5.8	8.8	14.5	19.7	22.7	24.1	25.4	26.2	26.8	26.0	25.4	25.0	23.7	22.3	22.1	20.6	18.9	17.9	17.7	26.8	5.8
4	16.6	15.3	14.8	13.8	13.8	12.9	12.1	13.3	16.5	19.5	21.5	22.5	23.8	24.1	25.1	25.6	25.6	23.9	22.6	18.0	15.9	13.7	12.2	10.9	18.1	25.6	10.9
5	9.8	9.7	8.8	8.8	8.5	8.0	7.8	11.5	17.8	23.3	25.1	25.9	25.7	25.4	25.2	23.7	24.0	23.7	22.1	18.2	16.5	15.4	14.2	12.8	17.2	25.9	7.8
6	15.3	14.3	12.3	10.6	9.6	9.6	10.3	11.3	14.6	18.9	23.1	25.4	26.3	26.9	27.1	26.2	26.0	19.7	18.0	17.7	18.7	17.9	17.0	15.6	18.0	27.1	9.6
7	13.8	12.3	11.8	11.4	11.2	9.9	9.9	10.7	11.8	14.4	17.5	19.4	20.8	21.8	22.4	23.2	22.9	19.6	12.1	11.3	11.4	10.9	11.0	9.5	14.6	23.2	9.5
8	9.0	7.8	7.0	6.4	5.5	5.2	4.3	6.1	9.6	13.8	16.4	18.6	20.3	19.3	13.6	14.1	14.8	14.9	14.1	13.6	11.9	9.3	7.0	6.2	11.2	20.3	4.3
9	5.7	4.5	4.1	4.9	6.4	9.0	9.1	9.8	11.2	12.0	12.7	13.3	14.2	13.2	14.3	15.8	15.9	15.9	14.3	11.1	9.0	8.0	6.4	5.6	10.3	15.9	4.1
10	4.9	4.2	4.1	4.2	3.4	2.5	2.6	5.2	10.4	15.1	17.4	18.4	19.0	19.9	20.6	21.2	21.5	21.5	18.0	14.2	12.9	11.2	10.0	9.5	12.2	21.5	2.5
11	8.4	7.9	6.5	5.3	4.5	4.5	4.1	5.8	11.5	17.5	19.6	21.0	21.6	22.0	22.1	22.2	21.8	20.8	18.4	15.8	15.4	14.8	14.6	12.8	14.1	22.2	4.1
12	12.0	11.2	11.7	10.8	10.7	10.7	9.1	12.4	15.7	17.0	18.5	19.7	20.7	20.1	21.7	21.8	21.8	21.2	19.1	18.0	18.3	16.6	16.7	16.7	16.3	21.8	9.1
13	15.3	11.8	10.7	8.6	7.3	7.5	7.6	7.9	12.4	17.2	19.5	20.6	21.4	21.6	21.9	22.1	22.0	21.3	19.4	16.8	14.6	13.1	11.9	11.7	15.2	22.1	7.3
14	11.4	11.8	11.2	11.1	11.6	11.5	11.6	13.5	13.4	15.5	17.5	17.9	17.3	17.5	18.0	18.0	17.7	16.5	15.6	14.7	13.8	12.9	11.8	10.8	14.3	18.0	10.8
15	11.7	11.4	10.4	9.5	9.8	8.2	8.8	11.5	13.9	14.9	15.9	16.4	16.8	17.7	18.0	17.7	17.0	16.2	15.6	15.3	15.3	15.2	14.9	14.1	14.0	18.0	8.2
16	13.4	12.5	11.4	9.7	8.5	7.0	6.7	8.4	15.3	18.4	20.1	21.9	22.8	22.2	22.0	17.4	18.4	19.6	18.0	14.9	12.9	10.6	9.2	8.2	14.6	22.8	6.7
17	7.7	6.1	4.9	3.9	4.1	3.7	2.8	4.3	7.2	10.1	11.8	12.8	12.9	12.4	13.9	12.5	10.7	10.5	9.9	9.7	9.6	8.3	7.7	8.2	8.6	13.9	2.8
18	7.1	5.6	4.5	3.4	3.3	3.7	5.4	6.4	6.8	7.0	7.8	7.8	8.2	9.0	9.4	9.9	9.5	8.6	6.8	5.9	5.1	4.4	3.9	3.4	6.4	9.9	3.3
19	2.7	2.5	2.5	2.8	3.1	3.2	3.3	4.1	5.2	6.3	7.6	8.7	10.0	10.4	11.1	11.8	11.9	11.8	8.1	5.3	3.7	2.1	0.7	0.2	5.8	11.9	0.2
20	-0.1	-0.5	-0.5	-1.6	-1.5	-1.3	-1.3	0.5	6.5	11.6	13.6	14.9	16.4	18.0	19.0	19.3	19.4	18.4	12.4	7.9	5.5	3.9	3.3	2.3	7.8	19.4	-1.6
21	2.2	1.6	1.6	1.4	1.6	2.1	2.5	3.8	10.8	16.8	20.3	20.7	21.3	21.4	21.8	21.7	21.5	20.1	17.8	15.7	13.3	11.3	9.9	8.6	12.1	21.8	1.4
22	7.6	6.8	5.5	4.8	6.4	5.1	6.1	7.2	9.8	12.3	14.4	15.3	15.9	16.3	16.4	15.6	13.4	10.0	8.3	7.8	7.6	6.8	7.5	6.6	9.7	16.4	4.8
23	5.5	4.6	2.9	3.3	3.8	5.4	6.5	6.8	7.3	8.7	8.4	9.7	10.4	10.5	10.4	10.4	11.0	10.7	9.9	8.3	8.5	7.9	7.1	4.9	7.6	11.0	2.9
24	4.3	3.7	2.1	0.5	1.0	-0.7	-0.7	1.1	4.2	7.7	Au	Au	Au	Au	7.6	6.9	6.7	6.3	5.4	3.6	3.4	3.4	3.4	3.4	3.7	7.7	-0.7
25	2.5	1.6	1.5	1.3	2.0	1.0	0.4	0.3	2.0	4.1	5.5	5.6	5.1	5.4	6.2	5.9	4.9	4.5	4.1	3.8	3.1	2.8	2.6	1.9	3.3	6.2	0.3
26	0.9	0.4	1.0	1.3	1.3	1.3	1.1	0.8	1.0	1.4	1.6	2.3	2.6	2.6	2.7	2.4	2.2	1.8	0.9	-0.6	-1.3	-2.2	-2.3	-2.8	0.8	2.7	-2.8
27	-3.1	-3.3	-4.1	-4.5	-5.3	-5.6	-6.1	-5.0	-1.5	1.6	2.5	3.3	4.3	5.0	5.6	5.5	5.2	5.1	4.6	4.3	4.1	3.2	3.0	2.9	0.9	5.6	-6.1
28	3.3	3.4	3.3	3.9	3.9	3.7	3.8	5.1	5.9	6.2	6.9	8.1	8.7	9.5	10.1	10.6	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	6.0	10.6	3.3
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
30	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
Avg	7.9	7.1	6.4	5.7	5.5	5.2	5.2	6.8	10.2	13.4	15.4	16.5	17.2	17.5	17.4	17.2	17.2	16.3	14.3	12.3	11.3	10.1	9.3	8.4	11.4	18.0	4.3
Max	16.6	15.3	14.8	13.8	13.8	12.9	12.1	13.5	17.8	24.1	26.9	27.4	27.4	28.1	27.7	27.2	27.2	27.1	24.9	22.3	22.1	20.6	18.9	17.9	18.1	28.1	10.9
Min	-3.1	-3.3	-4.1	-4.5	-5.3	-5.6	-6.1	-5.0	-1.5	1.4	1.6	2.3	2.6	2.6	2.7	2.4	2.2	1.8	0.9	-0.6	-1.3	-2.2	-2.3	-2.8	0.8	2.7	-6.1

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
July 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	13.3	12.0	11.1	10.4	8.7	9.4	12.8	17.2	21.2	23.9	25.1	25.9	26.4	26.6	27.1	27.5	26.9	26.0	24.1	23.1	20.1	17.6	15.2	13.6	19.4	27.5	8.7
2	11.7	11.1	11.4	10.6	8.7	9.0	12.0	16.8	21.2	23.7	25.3	26.6	27.9	28.9	29.7	30.2	29.9	27.2	27.9	23.6	19.7	16.8	15.4	14.6	20.0	30.2	8.7
3	11.8	11.6	11.1	11.0	10.4	10.1	14.1	19.2	23.3	24.7	25.7	26.4	27.0	27.7	27.6	28.4	27.7	26.9	25.6	23.6	18.8	14.9	13.1	11.4	19.7	28.4	10.1
4	9.9	9.3	8.3	7.8	7.7	7.8	11.4	16.4	20.7	22.0	22.6	23.6	24.3	23.7	24.2	24.7	25.1	25.0	25.1	22.0	17.2	17.4	13.4	11.7	17.6	25.1	7.7
5	9.9	9.8	8.0	7.8	7.1	8.3	10.8	15.2	16.8	18.8	19.9	20.7	21.6	22.4	22.8	23.0	22.6	19.5	13.7	13.8	12.2	11.1	8.7	7.8	14.7	23.0	7.1
6	7.1	5.8	5.2	4.0	3.1	3.6	6.0	10.7	14.7	16.5	17.7	18.3	19.4	20.1	21.5	22.5	23.2	21.9	20.0	18.4	17.0	15.1	13.5	13.0	14.1	23.2	3.1
7	12.8	11.7	11.9	11.3	9.6	9.0	12.1	15.0	16.6	18.1	19.4	20.7	22.3	23.5	23.1	23.5	22.6	21.6	19.6	19.0	16.1	14.0	12.2	11.0	16.5	23.5	9.0
8	9.9	9.1	9.0	9.0	8.8	8.7	11.4	15.7	20.4	21.5	22.0	21.9	19.8	16.5	17.2	19.8	20.2	20.0	20.6	18.9	14.8	11.6	8.4	6.2	15.1	22.0	6.2
9	5.8	5.3	3.7	3.1	1.9	2.1	5.8	11.0	15.6	17.1	18.2	19.5	20.8	21.6	22.6	23.3	24.0	23.8	22.6	20.0	15.3	16.1	13.7	11.1	14.3	24.0	1.9
10	8.7	6.4	6.9	5.6	4.9	5.0	8.8	13.2	18.5	21.7	24.4	25.7	26.7	27.5	28.3	28.2	28.5	28.0	26.1	23.7	22.3	21.8	20.5	18.4	18.7	28.5	4.9
11	17.8	14.0	11.4	10.7	9.3	9.6	12.4	16.1	21.4	24.3	24.8	23.9	23.3	24.3	24.3	22.7	22.0	21.1	20.2	18.4	15.8	15.2	14.3	13.5	18.0	24.8	9.3
12	11.4	9.4	7.7	5.3	3.3	4.4	8.6	13.6	18.0	20.1	21.7	23.1	23.2	20.0	21.8	23.5	18.2	16.7	16.1	15.6	13.8	12.6	12.0	11.6	14.7	23.5	3.3
13	9.2	7.0	7.0	6.3	4.9	4.7	9.1	13.0	16.6	18.0	19.3	20.5	20.8	21.7	22.0	21.6	21.4	20.9	19.4	16.5	15.3	13.3	12.7	12.4	14.7	22.0	4.7
14	13.8	13.3	12.2	11.7	11.8	11.7	13.1	13.8	15.9	17.4	19.1	20.1	19.9	23.0	22.2	22.6	23.1	22.9	22.9	20.3	19.0	18.4	17.3	15.6	17.5	23.1	11.7
15	15.1	13.1	9.7	8.2	7.2	6.2	9.7	14.8	20.1	23.0	25.1	26.5	27.3	27.2	27.4	27.8	28.1	26.3	25.1	22.5	19.4	15.7	13.7	12.2	18.8	28.1	6.2
16	11.4	10.5	9.3	8.2	6.2	5.8	8.6	11.7	14.9	18.5	19.3	19.6	19.6	20.9	21.9	21.5	21.0	20.0	18.1	15.9	14.7	13.8	13.5	13.3	14.9	21.9	5.8
17	12.9	12.3	12.4	12.3	11.7	11.5	12.2	13.4	15.9	18.3	21.2	23.0	24.5	25.8	26.8	27.4	26.6	20.8	16.0	13.9	13.6	12.0	11.7	10.9	17.0	27.4	10.9
18	10.3	9.3	8.6	7.4	7.1	7.4	8.8	12.4	16.5	19.4	20.7	21.7	23.0	24.1	24.5	25.0	25.3	25.0	23.6	20.9	16.1	14.2	11.6	8.5	16.3	25.3	7.1
19	7.9	8.3	7.6	5.5	5.5	5.4	8.1	13.2	18.2	21.1	22.3	23.4	24.6	25.3	26.0	26.0	25.8	25.1	24.0	21.2	16.6	13.3	10.4	8.5	16.4	26.0	5.4
20	7.2	6.0	5.8	5.3	4.6	4.3	7.9	12.8	17.9	21.1	22.7	23.4	24.2	24.4	25.1	25.9	25.2	25.1	24.7	21.8	15.8	13.0	8.7	6.5	15.8	25.9	4.3
21	6.3	5.4	4.5	3.3	2.8	2.8	6.2	12.0	18.4	21.3	22.4	23.1	23.8	24.7	25.3	25.9	26.6	26.6	25.6	21.3	17.5	15.8	12.0	14.9	16.2	26.6	2.8
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
26	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
27	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
28	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
30	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
31	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
Avg	10.7	9.6	8.7	7.8	6.9	7.0	10.0	14.2	18.2	20.5	21.9	22.7	23.4	23.8	24.4	24.8	24.5	23.4	22.0	19.7	16.7	14.9	13.0	11.7	16.7	25.2	6.6
Max	17.8	14.0	12.4	12.3	11.8	11.7	14.1	19.2	23.3	24.7	25.7	26.6	27.9	28.9	29.7	30.2	29.9	28.0	27.9	23.7	22.3	21.8	20.5	18.4	20.0	30.2	11.7
Min	5.8	5.3	3.7	3.1	1.9	2.1	5.8	10.7	14.7	16.5	17.7	18.3	19.4	16.5	17.2	19.8	18.2	16.7	13.7	13.8	12.2	11.1	8.4	6.2	14.1	21.9	1.9

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
August 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
2	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
3	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
4	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
5	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
6	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
7	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
9	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
10	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
11	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
12	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
13	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
14	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
15	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
18	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
19	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
20	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
21	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
26	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
27	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
28	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	27.7	27.6	27.2	25.5	22.6	19.0	17.0	16.9	16.1	14.5	21.4	27.7	14.5
30	12.7	10.4	9.2	8.5	7.7	6.9	7.0	11.0	17.2	22.7	25.2	25.8	25.5	26.7	25.9	26.8	26.3	25.2	22.3	18.2	15.2	13.8	11.2	9.0	17.1	26.8	6.9
31	7.3	5.6	4.0	3.0	2.0	1.5	1.4	6.3	13.0	17.1	18.4	19.8	20.5	21.6	22.2	22.7	23.0	22.8	20.6	15.1	12.8	10.9	8.3	9.2	12.9	23.0	1.4
Avg	10.0	8.0	6.6	5.8	4.8	4.2	4.2	8.7	15.1	19.9	21.8	22.8	23.0	24.1	25.3	25.7	25.5	24.5	21.8	17.4	15.0	13.9	11.9	10.9	16.1	25.8	7.6
Max	12.7	10.4	9.2	8.5	7.7	6.9	7.0	11.0	17.2	22.7	25.2	25.8	25.5	26.7	27.7	27.6	27.2	25.5	22.6	19.0	17.0	16.9	16.1	14.5	21.4	27.7	14.5
Min	7.3	5.6	4.0	3.0	2.0	1.5	1.4	6.3	13.0	17.1	18.4	19.8	20.5	21.6	22.2	22.7	23.0	22.8	20.6	15.1	12.8	10.9	8.3	9.0	12.9	23.0	1.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
September 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	11.5	11.3	11.4	8.5	5.3	4.7	3.8	8.6	15.1	19.3	22.1	24.2	25.8	26.8	27.5	28.0	27.8	27.5	24.2	17.3	14.2	12.9	11.3	9.9	16.6	28.0	3.8
2	8.7	7.0	6.7	5.0	4.9	5.1	4.9	10.0	17.7	24.6	27.8	28.3	28.1	28.7	27.8	27.0	26.3	24.4	21.7	21.1	17.9	15.5	13.2	11.4	17.2	28.7	4.9
3	9.8	7.8	6.7	5.7	4.2	4.3	4.8	9.0	14.8	20.1	23.4	24.8	26.2	26.8	27.6	26.3	25.4	24.7	23.4	22.0	21.7	20.2	18.6	17.1	17.3	27.6	4.2
4	16.1	15.0	14.3	13.5	13.4	12.6	11.9	13.5	16.8	19.9	22.2	22.9	24.5	24.7	25.8	26.6	26.0	23.4	21.8	17.6	15.4	13.0	11.2	9.4	18.0	26.6	9.4
5	8.4	7.5	7.0	7.1	6.9	6.5	7.1	11.7	18.2	23.8	26.0	27.0	26.3	25.7	25.7	24.6	24.8	24.1	21.5	17.4	16.0	15.0	13.4	12.4	16.8	27.0	6.5
6	15.1	14.0	11.8	10.0	9.0	9.2	10.3	11.5	14.8	19.2	23.6	26.3	27.3	27.8	27.9	26.4	26.5	19.5	17.9	17.5	18.3	17.1	16.2	14.9	18.0	27.9	9.0
7	12.7	11.4	11.0	10.5	10.7	9.5	9.9	10.9	12.1	14.8	18.0	20.2	21.4	22.5	23.2	23.7	23.2	19.6	11.7	11.1	11.3	10.7	10.9	9.2	14.6	23.7	9.2
8	8.7	7.2	6.3	5.7	5.1	4.9	4.2	6.2	9.8	14.0	16.9	19.3	21.1	19.7	13.4	14.4	15.0	14.9	13.8	13.2	11.1	7.9	6.5	5.9	11.0	21.1	4.2
9	4.9	4.1	3.9	4.9	6.2	8.7	8.9	9.9	11.5	12.5	13.2	13.6	14.9	13.7	15.2	16.7	16.3	16.0	13.5	10.5	8.6	7.8	5.5	4.9	10.2	16.7	3.9
10	4.0	3.3	3.1	3.3	2.1	1.2	1.6	5.2	10.6	15.5	17.9	19.2	19.8	20.6	21.2	21.7	21.9	21.6	17.2	13.7	11.6	10.5	8.8	8.6	11.8	21.9	1.2
11	7.3	6.7	5.1	4.2	3.3	3.3	3.0	6.1	11.9	17.9	20.3	21.6	22.2	22.6	22.5	22.7	22.1	20.9	18.2	15.5	14.9	13.1	11.7	11.0	13.7	22.7	3.0
12	11.3	9.4	10.9	9.2	9.1	9.1	7.8	12.6	16.2	17.8	19.5	20.8	21.7	20.9	22.6	22.3	22.2	21.3	18.8	17.3	18.0	15.8	16.2	15.9	16.1	22.6	7.8
13	14.1	10.5	9.5	7.9	6.0	6.8	7.1	7.9	12.7	17.6	20.1	21.3	22.1	22.1	22.2	22.2	21.9	20.7	18.3	16.0	13.7	12.5	11.1	10.9	14.8	22.2	6.0
14	10.9	11.1	10.8	10.6	10.6	11.0	11.2	13.0	13.9	16.4	18.4	18.6	17.9	18.1	18.6	18.5	17.9	16.5	14.8	14.3	13.6	12.0	11.2	10.2	14.2	18.6	10.2
15	10.7	10.6	9.7	8.9	9.0	7.2	7.7	11.6	14.4	15.8	16.8	17.5	18.1	18.6	18.5	18.1	17.3	16.3	15.5	15.0	15.2	15.0	14.8	13.8	14.0	18.6	7.2
16	12.8	11.2	10.0	8.8	7.3	5.9	5.5	8.5	15.5	19.0	20.9	22.8	23.7	22.5	22.2	17.4	18.5	19.5	17.2	13.9	12.2	9.1	8.1	7.4	14.2	23.7	5.5
17	6.5	4.8	3.6	2.9	3.2	1.9	1.5	4.3	7.3	10.1	11.9	12.9	12.8	12.9	14.2	12.4	10.6	10.4	9.9	9.7	9.2	8.2	7.6	8.1	8.2	14.2	1.5
18	6.8	5.1	4.2	3.2	3.1	3.7	5.3	6.3	6.7	7.1	8.1	7.9	8.3	9.3	9.7	10.1	9.7	8.6	6.7	5.8	5.1	4.4	4.0	3.4	6.4	10.1	3.1
19	2.7	2.6	2.5	3.0	3.2	3.3	3.5	4.3	5.5	6.7	8.3	9.7	11.3	11.2	11.7	12.6	12.4	11.9	7.5	5.2	3.6	1.6	0.0	-0.5	6.0	12.6	-0.5
20	-1.2	-1.7	-1.5	-2.8	-2.6	-2.5	-2.5	0.3	6.7	12.1	14.1	15.6	17.3	18.9	19.7	19.9	19.6	18.0	11.7	7.0	3.6	2.1	1.6	1.0	7.3	19.9	-2.8
21	0.5	-0.2	0.6	0.0	0.1	0.8	1.4	3.2	11.0	17.3	20.9	21.5	22.1	22.2	22.2	21.8	21.3	18.5	16.4	14.6	12.6	10.3	8.4	7.2	11.4	22.2	-0.2
22	6.2	5.8	4.3	3.9	5.3	4.4	5.5	6.9	10.0	12.7	14.8	15.8	16.7	17.1	17.0	16.3	13.6	9.8	8.2	7.7	7.4	6.5	7.2	6.4	9.6	17.1	3.9
23	5.0	3.8	2.5	3.3	3.8	4.6	6.0	6.8	7.3	9.3	8.9	10.3	11.2	11.1	10.7	10.5	11.3	10.6	9.4	7.4	8.2	7.3	6.1	4.4	7.5	11.3	2.5
24	3.8	3.1	1.2	-0.3	0.0	-1.8	-1.8	1.1	4.4	7.8	Au	Au	Au	Au	7.7	7.0	6.8	6.3	5.4	3.6	3.5	3.4	3.3	3.1	3.4	7.8	-1.8
25	2.1	1.2	1.0	0.8	1.4	0.7	0.1	0.4	2.2	4.3	5.7	5.8	5.2	5.8	6.6	6.1	5.0	4.4	3.9	3.8	3.1	2.8	2.6	1.9	3.2	6.6	0.1
26	1.0	0.4	0.9	1.2	1.1	1.2	1.0	1.0	1.2	1.7	2.0	2.7	3.0	3.1	3.1	2.9	2.5	1.9	0.4	-1.5	-1.7	-2.6	-3.0	-3.2	0.8	3.1	-3.2
27	-3.4	-3.8	-4.6	-5.4	-6.2	-6.4	-6.7	-5.0	-1.2	2.2	3.5	4.5	5.3	5.9	6.3	5.8	5.3	5.0	4.5	4.1	4.0	3.1	2.9	2.7	0.9	6.3	-6.7
28	3.0	2.9	2.8	3.7	3.5	3.2	3.2	5.2	6.1	6.4	7.3	8.6	9.1	9.9	10.5	10.8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	6.0	10.8	2.8
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
30	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
Avg	7.1	6.1	5.6	4.9	4.6	4.4	4.5	6.8	10.5	13.8	16.0	17.2	17.9	18.1	17.9	17.6	17.5	16.2	13.8	11.9	10.8	9.5	8.5	7.7	11.2	18.6	3.4
Max	16.1	15.0	14.3	13.5	13.4	12.6	11.9	13.5	18.2	24.6	27.8	28.3	28.1	28.7	27.9	28.0	27.8	27.5	24.2	22.0	21.7	20.2	18.6	17.1	18.0	28.7	10.2
Min	-3.4	-3.8	-4.6	-5.4	-6.2	-6.4	-6.7	-5.0	-1.2	1.7	2.0	2.7	3.0	3.1	3.1	2.9	2.5	1.9	0.4	-1.5	-1.7	-2.6	-3.0	-3.2	0.8	3.1	-6.7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
July 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.44	0.93	0.83	1.03	1.76	0.78	-0.25	-0.46	-0.55	-0.47	-0.59	-0.68	-0.65	-0.57	-0.68	-0.64	-0.42	-0.26	0.08	0.30	0.65	1.49	1.38	0.80	0.18	1.76	-0.68
2	1.33	0.77	0.32	0.53	1.11	0.68	-0.27	-0.45	-0.49	-0.60	-0.53	-0.71	-0.75	-0.71	-0.59	-0.42	-0.14	0.87	-0.14	0.80	0.78	0.90	0.62	0.58	0.15	1.33	-0.75
3	1.29	1.03	0.84	0.89	1.02	0.72	-0.34	-0.39	-0.33	-0.43	-0.65	-0.76	-0.77	-0.85	-0.62	-0.60	-0.28	0.07	0.51	0.91	1.82	1.33	1.13	1.15	0.28	1.82	-0.85
4	0.93	1.06	1.16	1.22	1.44	0.92	-0.22	-0.40	-0.61	-0.71	-0.66	-0.75	-0.74	-0.36	-0.40	-0.44	-0.56	-0.41	-0.30	0.80	1.09	0.96	1.66	0.95	0.23	1.66	-0.75
5	1.01	1.14	1.09	0.78	1.14	0.29	-0.34	-0.45	-0.39	-0.61	-0.85	-0.93	-0.99	-0.96	-0.96	-0.70	-0.23	0.41	0.15	-0.15	0.22	0.72	0.91	0.47	0.03	1.14	-0.99
6	0.54	1.08	0.76	1.11	1.08	0.21	-0.27	-0.48	-0.46	-0.81	-0.94	-0.75	-0.82	-0.64	-0.73	-0.74	-0.83	-0.52	-0.38	-0.16	-0.04	0.32	0.40	0.55	-0.11	1.11	-0.94
7	0.28	0.37	0.03	0.31	0.33	0.25	-0.20	-0.43	-0.74	-0.83	-0.97	-0.88	-0.78	-0.73	-0.18	-0.30	-0.40	-0.33	-0.12	-0.03	0.78	1.04	1.22	2.15	-0.01	2.15	-0.97
8	1.40	1.17	0.95	0.83	0.88	0.41	-0.27	-0.42	-0.59	-0.77	-0.89	-0.57	-0.21	0.11	-0.27	-0.40	-0.36	-0.03	-0.07	0.46	0.32	1.12	1.27	1.64	0.24	1.64	-0.89
9	1.23	0.86	1.19	1.06	1.15	0.73	-0.28	-0.47	-0.67	-0.86	-0.90	-0.92	-0.93	-0.88	-0.91	-0.76	-0.64	-0.39	0.08	0.66	0.96	0.73	1.50	2.80	0.18	2.80	-0.93
10	1.78	1.92	1.32	1.43	1.35	1.30	-0.12	-0.42	-0.58	-0.66	-0.93	-1.02	-0.99	-0.91	-0.83	-0.62	-0.49	0.08	0.73	0.70	0.66	0.46	0.94	2.50	0.32	2.50	-1.02
11	2.14	1.76	1.80	1.38	1.49	0.60	-0.15	-0.36	-0.60	-0.83	-0.62	-0.15	0.07	-0.60	-0.48	-0.11	0.00	-0.05	0.12	0.29	0.69	0.41	0.27	0.54	0.32	2.14	-0.83
12	0.55	0.31	0.62	1.32	1.82	1.30	-0.17	-0.39	-0.53	-0.92	-1.18	-1.08	-0.91	0.02	-0.45	-0.58	0.06	-0.33	-0.07	-0.01	0.02	0.30	0.02	0.05	-0.01	1.82	-1.18
13	0.53	0.96	0.92	0.80	1.23	0.58	-0.08	-0.43	-0.64	-0.82	-0.94	-1.13	-1.05	-1.16	-1.15	-0.93	-0.69	-0.65	-0.49	-0.18	0.00	0.27	0.42	0.28	-0.18	1.23	-1.16
14	-0.07	0.01	0.17	0.26	0.25	0.21	-0.14	-0.35	-0.87	-1.12	-1.50	-1.12	-0.49	-1.07	-0.34	-0.48	-0.22	-0.17	-0.30	0.15	0.15	0.17	0.22	0.61	-0.25	0.61	-1.50
15	0.58	0.68	1.24	1.16	0.98	0.91	-0.10	-0.40	-0.46	-0.60	-0.90	-1.09	-1.09	-0.62	-0.46	-0.39	-0.32	0.65	0.64	0.65	0.56	0.93	0.60	0.63	0.16	1.24	-1.09
16	0.55	0.28	0.43	0.63	0.88	0.66	-0.17	-0.50	-0.59	-1.23	-1.40	-1.47	-1.44	-1.62	-1.45	-1.34	-1.07	-0.72	-0.36	0.07	0.22	0.21	0.10	0.09	-0.38	0.88	-1.62
17	0.19	0.24	0.01	-0.02	0.12	0.02	-0.14	-0.29	-0.54	-0.59	-0.84	-0.85	-0.83	-0.84	-0.78	-0.71	-0.03	0.82	0.34	-0.03	0.07	0.31	0.06	0.07	-0.18	0.82	-0.85
18	0.02	0.03	0.24	0.40	0.26	0.09	-0.22	-0.31	-0.26	-0.56	-0.69	-0.67	-0.75	-0.82	-0.70	-0.59	-0.48	-0.11	0.41	1.06	1.01	0.57	0.89	1.26	0.00	1.26	-0.82
19	1.27	0.94	0.80	1.16	0.88	0.57	-0.20	-0.30	-0.36	-0.55	-0.74	-0.77	-0.85	-0.82	-0.80	-0.54	-0.40	-0.13	0.41	1.20	1.79	0.84	1.63	1.40	0.27	1.79	-0.85
20	1.80	1.09	1.31	1.72	1.11	1.25	-0.17	-0.36	-0.41	-0.56	-0.76	-0.81	-0.93	-0.65	-0.68	-0.64	-0.24	-0.06	0.30	1.28	0.99	0.35	1.39	1.27	0.32	1.80	-0.93
21	1.21	1.36	1.64	1.45	1.30	1.08	-0.35	-0.34	-0.54	-0.73	-0.85	-0.88	-0.89	-0.94	-0.81	-0.66	-0.59	-0.37	0.31	1.27	1.27	1.09	1.03	1.67	0.28	1.67	-0.94
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
26	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
27	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
28	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
30	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
31	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
Avg	0.90	0.86	0.84	0.93	1.03	0.65	-0.21	-0.40	-0.53	-0.73	-0.87	-0.86	-0.80	-0.74	-0.68	-0.60	-0.40	-0.08	0.09	0.48	0.67	0.69	0.84	1.02	0.09	1.58	-0.98
Max	2.14	1.92	1.80	1.72	1.82	1.30	-0.08	-0.29	-0.26	-0.43	-0.53	-0.15	0.07	0.11	-0.18	-0.11	0.06	0.87	0.73	1.28	1.82	1.49	1.66	2.80	0.32	2.80	-0.68
Min	-0.07	0.01	0.01	-0.02	0.12	0.02	-0.35	-0.50	-0.87	-1.23	-1.50	-1.47	-1.44	-1.62	-1.45	-1.34	-1.07	-0.72	-0.49	-0.18	-0.04	0.17	0.02	0.05	-0.38	0.61	-1.62

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
August 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
2	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
3	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
4	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
5	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
6	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
7	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
9	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
10	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
11	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
12	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
13	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
14	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
15	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
18	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
19	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
20	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
21	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
26	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
27	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
28	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	-0.56	-0.61	-0.37	0.65	1.15	0.89	0.57	0.77	0.74	0.39	0.36	1.15	-0.61
30	0.32	0.52	0.85	0.90	1.04	1.30	1.00	-0.25	-0.26	-0.60	-1.10	-1.04	-0.67	-1.14	-0.69	-0.88	-0.59	-0.20	0.69	1.91	1.75	1.62	0.74	0.42	0.24	1.91	-1.14
31	0.91	1.02	1.34	1.66	1.50	1.07	0.72	-0.30	-0.42	-0.80	-1.02	-1.14	-0.98	-0.91	-0.85	-0.70	-0.63	-0.46	0.40	0.44	0.95	0.80	1.61	2.69	0.29	2.69	-1.14
Avg	0.61	0.77	1.10	1.28	1.27	1.19	0.86	-0.28	-0.34	-0.70	-1.06	-1.09	-0.82	-1.02	-0.70	-0.73	-0.53	-0.00	0.75	1.08	1.09	1.06	1.03	1.17	0.28	1.92	-0.96
Max	0.91	1.02	1.34	1.66	1.50	1.30	1.00	-0.25	-0.26	-0.60	-1.02	-1.04	-0.67	-0.91	-0.56	-0.61	-0.37	0.65	1.15	1.91	1.75	1.62	1.61	2.69	0.36	2.69	-0.61
Min	0.32	0.52	0.85	0.90	1.04	1.07	0.72	-0.30	-0.42	-0.80	-1.10	-1.14	-0.98	-1.14	-0.85	-0.88	-0.63	-0.46	0.40	0.44	0.57	0.77	0.74	0.39	0.24	1.15	-1.14

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
September 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.76	1.99	1.51	1.68	1.63	1.17	0.85	-0.22	-0.47	-0.49	-0.69	-0.79	-0.90	-0.98	-0.78	-0.77	-0.53	-0.35	0.63	0.50	1.07	0.83	1.36	1.23	0.38	1.99	-0.98
2	1.18	2.44	1.85	2.20	2.07	1.52	1.16	-0.28	-0.29	-0.55	-0.90	-0.85	-0.73	-0.66	-0.17	-0.15	0.15	0.54	1.06	0.71	1.03	1.05	1.54	1.25	0.63	2.44	-0.90
3	1.27	1.98	1.22	1.43	1.56	1.63	1.04	-0.22	-0.35	-0.43	-0.74	-0.69	-0.73	-0.64	-0.78	-0.29	-0.04	0.23	0.33	0.27	0.37	0.36	0.31	0.82	0.33	1.98	-0.78
4	0.49	0.36	0.55	0.33	0.48	0.25	0.25	-0.20	-0.27	-0.43	-0.71	-0.44	-0.69	-0.56	-0.74	-0.96	-0.36	0.48	0.86	0.43	0.47	0.68	1.05	1.56	0.12	1.56	-0.96
5	1.40	2.19	1.78	1.77	1.64	1.41	0.78	-0.23	-0.36	-0.55	-0.94	-1.12	-0.58	-0.27	-0.43	-0.87	-0.76	-0.34	0.56	0.85	0.51	0.40	0.80	0.43	0.34	2.19	-1.12
6	0.19	0.25	0.54	0.61	0.55	0.44	0.00	-0.12	-0.19	-0.28	-0.51	-0.86	-0.95	-0.91	-0.80	-0.20	-0.53	0.17	0.13	0.30	0.42	0.79	0.80	0.73	0.02	0.80	-0.95
7	1.06	0.88	0.76	0.84	0.43	0.41	0.00	-0.18	-0.32	-0.41	-0.55	-0.76	-0.55	-0.71	-0.78	-0.57	-0.34	-0.04	0.45	0.14	0.09	0.25	0.07	0.32	0.02	1.06	-0.78
8	0.29	0.61	0.72	0.65	0.38	0.37	0.08	-0.13	-0.22	-0.22	-0.46	-0.69	-0.87	-0.47	0.16	-0.27	-0.17	0.01	0.27	0.36	0.73	1.44	0.52	0.34	0.14	1.44	-0.87
9	0.72	0.40	0.25	0.02	0.17	0.26	0.14	-0.09	-0.31	-0.49	-0.45	-0.31	-0.72	-0.50	-0.90	-0.84	-0.42	-0.09	0.82	0.60	0.33	0.24	0.86	0.77	0.02	0.86	-0.90
10	0.90	0.87	1.08	0.90	1.32	1.25	1.03	0.00	-0.17	-0.44	-0.52	-0.80	-0.83	-0.71	-0.62	-0.55	-0.33	-0.09	0.79	0.46	1.35	0.76	1.17	0.89	0.32	1.35	-0.83
11	1.03	1.16	1.31	1.08	1.19	1.21	1.11	-0.23	-0.39	-0.41	-0.64	-0.57	-0.61	-0.64	-0.42	-0.43	-0.27	-0.11	0.20	0.38	0.50	1.76	2.85	1.74	0.45	2.85	-0.64
12	0.68	1.85	0.85	1.58	1.60	1.61	1.25	-0.16	-0.46	-0.79	-1.01	-1.09	-0.99	-0.73	-0.93	-0.58	-0.40	-0.11	0.34	0.62	0.28	0.77	0.52	0.81	0.23	1.85	-1.09
13	1.22	1.34	1.23	0.72	1.30	0.68	0.57	0.01	-0.28	-0.40	-0.63	-0.75	-0.71	-0.47	-0.33	-0.14	0.12	0.69	1.04	0.84	0.87	0.60	0.86	0.80	0.38	1.34	-0.75
14	0.53	0.68	0.47	0.55	0.96	0.55	0.36	0.45	-0.53	-0.92	-0.88	-0.67	-0.59	-0.61	-0.58	-0.52	-0.25	0.09	0.77	0.39	0.20	0.82	0.62	0.66	0.11	0.96	-0.92
15	0.96	0.79	0.75	0.55	0.84	1.00	1.05	-0.03	-0.50	-0.90	-0.89	-1.11	-1.29	-0.88	-0.51	-0.39	-0.32	-0.15	0.11	0.29	0.15	0.18	0.11	0.38	0.01	1.05	-1.29
16	0.62	1.30	1.46	0.87	1.14	1.10	1.19	-0.06	-0.17	-0.56	-0.74	-0.87	-0.89	-0.29	-0.14	0.05	-0.11	0.14	0.77	0.94	0.61	1.51	1.09	0.80	0.41	1.51	-0.89
17	1.17	1.37	1.35	1.00	0.93	1.86	1.33	0.09	-0.10	-0.01	-0.17	-0.09	0.01	-0.44	-0.36	0.06	0.06	0.13	0.01	-0.02	0.35	0.08	0.13	0.06	0.37	1.86	-0.44
18	0.26	0.53	0.28	0.25	0.23	-0.05	0.11	0.07	0.11	-0.15	-0.32	-0.16	-0.11	-0.24	-0.27	-0.19	-0.16	-0.04	0.13	0.13	0.01	0.03	-0.07	-0.02	0.02	0.53	-0.32
19	-0.02	-0.05	-0.07	-0.12	-0.13	-0.11	-0.10	-0.17	-0.27	-0.41	-0.74	-0.97	-1.26	-0.74	-0.59	-0.72	-0.47	-0.04	0.61	0.11	0.09	0.51	0.80	0.71	-0.17	0.80	-1.26
20	1.11	1.23	1.03	1.23	1.11	1.17	1.16	0.22	-0.20	-0.45	-0.52	-0.78	-0.87	-0.87	-0.75	-0.58	-0.23	0.46	0.65	0.90	1.95	1.83	1.70	1.35	0.49	1.95	-0.87
21	1.74	1.85	1.02	1.33	1.50	1.31	1.11	0.58	-0.14	-0.43	-0.55	-0.77	-0.82	-0.77	-0.42	-0.18	0.19	1.65	1.44	1.12	0.65	0.96	1.42	1.41	0.63	1.85	-0.82
22	1.50	1.04	1.14	0.83	1.09	0.66	0.59	0.31	-0.16	-0.37	-0.38	-0.54	-0.81	-0.78	-0.61	-0.74	-0.11	0.18	0.14	0.02	0.23	0.30	0.21	0.20	0.16	1.50	-0.81
23	0.50	0.80	0.40	0.00	-0.01	0.75	0.49	0.08	0.03	-0.58	-0.43	-0.58	-0.81	-0.60	-0.39	-0.10	-0.30	0.12	0.46	0.85	0.36	0.57	0.96	0.49	0.13	0.96	-0.81
24	0.48	0.57	0.90	0.93	1.01	1.03	1.10	-0.03	-0.20	-0.11	Au	Au	Au	Au	-0.14	-0.07	-0.08	-0.03	0.01	0.01	-0.05	0.02	0.09	0.31	0.29	1.10	-0.20
25	0.40	0.39	0.54	0.46	0.63	0.38	0.24	-0.13	-0.21	-0.27	-0.15	-0.21	-0.10	-0.34	-0.43	-0.28	0.00	0.11	0.17	0.02	0.03	0.03	-0.03	-0.03	0.05	0.63	-0.43
26	-0.01	0.01	0.11	0.15	0.15	0.15	0.08	-0.12	-0.12	-0.26	-0.35	-0.41	-0.44	-0.50	-0.48	-0.43	-0.32	-0.06	0.51	0.91	0.45	0.47	0.63	0.41	0.02	0.91	-0.50
27	0.28	0.50	0.59	0.92	0.96	0.81	0.60	0.03	-0.26	-0.65	-1.01	-1.16	-1.01	-0.94	-0.72	-0.34	-0.14	0.03	0.12	0.15	0.09	0.09	0.06	0.16	-0.03	0.96	-1.16
28	0.27	0.46	0.49	0.20	0.34	0.53	0.65	-0.12	-0.21	-0.16	-0.39	-0.50	-0.41	-0.40	-0.36	-0.23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	0.01	0.65	-0.50
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
30	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
Avg	0.78	0.99	0.86	0.82	0.90	0.83	0.65	-0.03	-0.25	-0.43	-0.60	-0.69	-0.71	-0.62	-0.51	-0.40	-0.23	0.13	0.50	0.45	0.49	0.64	0.76	0.69	0.21	1.39	-0.81
Max	1.76	2.44	1.85	2.20	2.07	1.86	1.33	0.58	0.11	-0.01	-0.15	-0.09	0.01	-0.24	0.16	0.06	0.19	1.65	1.44	1.12	1.95	1.83	2.85	1.74	0.63	2.85	-0.20
Min	-0.02	-0.05	-0.07	-0.12	-0.13	-0.11	-0.10	-0.28	-0.53	-0.92	-1.01	-1.16	-1.29	-0.98	-0.93	-0.96	-0.76	-0.35	0.01	-0.02	-0.05	0.02	-0.07	-0.03	-0.17	0.53	-1.29

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
July 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0	0.0	0.0	0.0	4.9	103.2	254.4	430.8	568.8	745.1	850.0	890.0	877.0	739.0	815.0	654.6	400.8	240.9	123.5	77.3	4.1	0.0	0.0	0.0	324.1	890.0	0.0
2	0.0	0.0	0.0	0.0	5.3	93.1	245.4	410.5	583.2	726.2	830.0	905.0	932.0	899.0	826.0	724.3	564.3	203.2	217.7	69.7	5.3	0.0	0.0	0.0	343.3	932.0	0.0
3	0.0	0.0	0.0	0.0	4.1	84.5	240.2	411.3	578.2	713.4	838.0	904.0	936.0	907.0	801.0	719.8	566.5	394.1	223.1	79.3	5.5	0.0	0.0	0.0	350.3	936.0	0.0
4	0.0	0.0	0.0	0.0	4.7	54.6	233.2	410.2	580.2	707.2	713.6	809.0	722.9	528.3	578.4	574.5	602.3	450.2	279.5	47.4	3.0	0.0	0.0	0.0	304.1	809.0	0.0
5	0.0	0.0	0.0	0.0	3.9	87.7	255.6	380.7	440.7	735.8	839.0	916.0	948.0	920.0	876.0	646.9	393.2	32.4	54.1	92.4	6.2	0.0	0.0	0.0	317.9	948.0	0.0
6	0.0	0.0	0.0	0.0	3.4	89.0	248.0	426.3	572.2	754.3	859.0	898.0	966.0	741.5	846.0	547.4	596.0	326.0	169.5	80.4	10.1	0.0	0.0	0.0	338.9	966.0	0.0
7	0.0	0.0	0.0	0.0	2.8	68.0	213.4	400.5	579.1	730.2	842.0	929.0	918.0	786.2	377.9	321.1	334.6	244.4	152.8	92.3	3.0	0.0	0.0	0.0	291.5	929.0	0.0
8	0.0	0.0	0.0	0.0	1.5	55.2	235.8	408.9	575.7	682.4	792.3	598.7	248.5	141.7	409.5	476.8	432.6	233.8	233.1	79.7	2.8	0.0	0.0	0.0	233.7	792.3	0.0
9	0.0	0.0	0.0	0.0	3.0	91.6	251.1	421.4	593.2	746.1	854.0	928.0	952.0	925.0	855.0	741.7	589.6	422.5	246.0	84.0	2.8	0.0	0.0	0.0	362.8	952.0	0.0
10	0.0	0.0	0.0	0.0	2.8	92.8	246.7	420.2	591.3	741.5	850.0	916.0	939.0	919.0	834.0	646.4	498.9	303.5	156.7	40.6	0.3	0.0	0.0	0.0	341.7	939.0	0.0
11	0.0	0.0	0.0	0.0	4.8	78.9	162.9	390.7	583.5	743.5	579.8	273.5	212.2	564.3	424.2	220.7	147.9	151.9	91.9	49.0	1.9	0.0	0.0	0.0	195.1	743.5	0.0
12	0.0	0.0	0.0	0.0	1.7	80.5	236.8	408.1	576.3	699.9	828.0	818.0	627.7	163.3	499.5	456.2	258.2	201.0	56.6	41.2	1.1	0.0	0.0	0.0	248.1	828.0	0.0
13	0.0	0.0	0.0	0.0	2.5	83.8	233.2	403.3	571.1	720.3	832.0	912.0	939.0	911.0	841.0	729.0	517.9	400.1	263.0	43.0	1.5	0.0	0.0	0.0	350.2	939.0	0.0
14	0.0	0.0	0.0	0.0	1.4	24.2	145.5	277.0	567.7	718.2	842.0	772.0	440.4	794.0	303.4	530.8	350.0	278.7	234.8	71.8	2.4	0.0	0.0	0.0	264.8	842.0	0.0
15	0.0	0.0	0.0	0.0	1.9	71.6	228.9	406.3	579.3	727.5	842.0	920.0	874.0	527.2	454.3	542.8	474.8	155.4	92.4	47.4	2.5	0.0	0.0	0.0	289.5	920.0	0.0
16	0.0	0.0	0.0	0.0	1.6	62.0	215.0	386.4	562.6	694.2	790.7	797.8	780.7	823.0	783.2	703.7	553.6	385.2	193.2	35.8	0.8	0.0	0.0	0.0	323.7	823.0	0.0
17	0.0	0.0	0.0	0.0	0.3	16.5	101.7	243.0	516.9	697.9	806.0	859.0	905.0	876.0	810.0	686.0	216.0	5.1	2.9	38.2	1.6	0.0	0.0	0.0	282.6	905.0	0.0
18	0.0	0.0	0.0	0.0	1.7	54.2	218.7	395.6	565.8	725.8	841.0	910.0	935.0	914.0	828.0	714.2	579.9	407.0	227.0	64.5	1.8	0.0	0.0	0.0	349.3	935.0	0.0
19	0.0	0.0	0.0	0.0	1.7	63.9	216.7	392.9	572.3	735.7	845.0	921.0	954.0	922.0	852.0	748.3	588.4	410.8	231.1	68.4	1.6	0.0	0.0	0.0	355.2	954.0	0.0
20	0.0	0.0	0.0	0.0	1.4	61.5	218.5	393.6	567.1	720.7	833.0	915.0	952.0	750.6	681.1	759.6	416.0	314.2	221.8	66.6	1.4	0.0	0.0	0.0	328.1	952.0	0.0
21	0.0	0.0	0.0	0.0	1.2	62.2	223.1	398.1	570.7	723.4	835.0	911.0	941.0	915.0	838.0	714.3	569.1	404.9	228.9	62.7	1.4	0.0	0.0	0.0	350.0	941.0	0.0
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
26	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
27	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
28	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
30	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
31	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
Avg	0.0	0.0	0.0	0.0	2.7	70.4	220.2	391.2	566.5	723.3	816.3	843.0	809.5	746.1	692.1	612.3	459.6	284.1	176.2	63.4	2.9	0.0	0.0	0.0	311.7	898.8	0.0
Max	0.0	0.0	0.0	0.0	5.3	103.2	255.6	430.8	593.2	754.3	859.0	929.0	966.0	925.0	876.0	759.6	602.3	450.2	279.5	92.4	10.1	0.0	0.0	0.0	362.8	966.0	0.0
Min	0.0	0.0	0.0	0.0	0.3	16.5	101.7	243.0	440.7	682.4	579.8	273.5	212.2	141.7	303.4	220.7	147.9	5.1	2.9	35.8	0.3	0.0	0.0	0.0	195.1	743.5	0.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
August 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
2	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
3	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
4	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
5	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
6	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
7	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
9	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
10	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
11	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
12	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
13	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
14	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
15	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
18	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
19	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
20	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
21	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
26	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
27	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
28	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	427.8	423.5	300.5	86.5	30.2	2.2	0.0	0.0	0.0	0.0	127.1	427.8	0.0
30	0.0	0.0	0.0	0.0	0.0	2.1	79.5	249.3	431.9	591.0	711.5	670.4	506.2	782.5	487.9	589.3	405.8	230.5	63.3	1.2	0.0	0.0	0.0	0.0	241.8	782.5	0.0
31	0.0	0.0	0.0	0.0	0.0	2.4	99.8	274.3	454.4	614.4	739.3	816.0	836.0	800.0	706.1	575.8	417.0	242.9	64.0	0.9	0.0	0.0	0.0	0.0	276.8	836.0	0.0
Avg	0.0	0.0	0.0	0.0	0.0	2.3	89.7	261.8	443.1	602.7	725.4	743.2	671.1	791.3	540.6	529.5	374.4	186.6	52.5	1.4	0.0	0.0	0.0	0.0	236.5	682.1	0.0
Max	0.0	0.0	0.0	0.0	0.0	2.4	99.8	274.3	454.4	614.4	739.3	816.0	836.0	800.0	706.1	589.3	417.0	242.9	64.0	2.2	0.0	0.0	0.0	0.0	276.8	836.0	0.0
Min	0.0	0.0	0.0	0.0	0.0	2.1	79.5	249.3	431.9	591.0	711.5	670.4	506.2	782.5	427.8	423.5	300.5	86.5	30.2	0.9	0.0	0.0	0.0	0.0	127.1	427.8	0.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
September 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0	0.0	0.0	0.0	0.0	2.6	87.5	260.6	438.5	594.8	717.0	795.4	814.0	781.6	697.8	561.5	394.0	221.6	52.7	0.5	0.0	0.0	0.0	0.0	267.5	814.0	0.0
2	0.0	0.0	0.0	0.0	0.0	4.2	70.1	255.7	392.9	559.4	582.3	509.0	439.9	473.9	234.7	201.1	139.9	67.8	16.6	0.0	0.0	0.0	0.0	0.0	164.5	582.3	0.0
3	0.0	0.0	0.0	0.0	0.0	2.6	67.0	227.9	363.8	521.4	656.9	724.3	690.2	678.7	562.1	173.2	85.0	54.3	13.5	0.0	0.0	0.0	0.0	0.0	200.9	724.3	0.0
4	0.0	0.0	0.0	0.0	0.0	0.7	29.0	185.7	330.5	528.8	674.7	340.9	610.2	355.1	611.5	540.9	299.3	76.4	21.5	0.1	0.0	0.0	0.0	0.0	191.9	674.7	0.0
5	0.0	0.0	0.0	0.0	0.0	1.6	65.4	235.0	401.7	504.3	623.8	663.9	303.9	170.9	286.4	457.4	360.0	196.0	37.0	0.0	0.0	0.0	0.0	0.0	179.5	663.9	0.0
6	0.0	0.0	0.0	0.0	0.0	1.7	42.2	99.4	300.5	415.1	641.3	748.6	628.9	532.3	423.4	225.2	371.4	141.9	27.5	0.0	0.0	0.0	0.0	0.0	191.6	748.6	0.0
7	0.0	0.0	0.0	0.0	0.0	0.6	44.6	99.4	245.1	373.2	615.4	724.0	543.6	459.2	426.1	364.4	220.3	40.5	0.0	0.0	0.0	0.0	0.0	0.0	173.2	724.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.3	39.4	137.2	372.1	554.0	616.8	733.4	758.9	404.1	244.6	319.5	244.5	129.8	12.6	0.0	0.0	0.0	0.0	0.0	190.3	758.9	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	12.6	101.7	221.5	291.6	254.0	179.2	434.4	344.8	528.2	455.3	242.5	137.9	8.5	0.0	0.0	0.0	0.0	0.0	133.8	528.2	0.0
10	0.0	0.0	0.0	0.0	0.0	0.8	71.0	244.1	411.5	563.2	687.9	758.2	776.3	739.6	646.5	517.9	353.2	178.1	25.8	0.0	0.0	0.0	0.0	0.0	248.9	776.3	0.0
11	0.0	0.0	0.0	0.0	0.0	0.8	69.5	235.2	405.4	557.7	679.6	767.8	779.2	749.6	549.4	502.8	345.8	172.3	22.1	0.0	0.0	0.0	0.0	0.0	243.2	779.2	0.0
12	0.0	0.0	0.0	0.0	0.0	0.8	62.0	233.1	405.1	557.0	682.3	753.5	779.1	461.4	739.9	447.3	329.0	180.5	16.1	0.0	0.0	0.0	0.0	0.0	235.3	779.1	0.0
13	0.0	0.0	0.0	0.0	0.0	0.7	22.4	135.0	372.6	564.5	656.5	615.7	579.6	389.0	297.8	206.2	123.1	55.2	8.1	0.0	0.0	0.0	0.0	0.0	167.8	656.5	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	16.3	74.1	341.0	610.1	707.9	568.0	463.6	458.0	432.6	384.8	217.3	82.6	11.1	0.0	0.0	0.0	0.0	0.0	182.0	707.9	0.0
15	0.0	0.0	0.0	0.0	0.0	1.1	54.0	216.2	380.6	533.7	656.7	757.8	719.8	641.4	521.8	327.6	235.6	109.0	14.6	0.0	0.0	0.0	0.0	0.0	215.4	757.8	0.0
16	0.0	0.0	0.0	0.0	0.0	0.1	52.9	213.1	377.1	527.2	644.1	712.8	647.4	225.5	192.7	54.0	185.9	140.0	10.3	0.0	0.0	0.0	0.0	0.0	166.0	712.8	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	15.5	104.5	69.8	50.4	116.9	117.4	74.5	563.2	351.9	30.8	11.2	11.4	0.5	0.0	0.0	0.0	0.0	0.0	63.3	563.2	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	5.5	7.0	38.3	202.6	255.2	183.7	139.6	231.0	215.1	164.0	175.7	89.6	5.8	0.0	0.0	0.0	0.0	0.0	71.4	255.2	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	12.8	70.2	140.1	238.0	447.8	643.1	869.0	484.0	393.1	475.8	287.0	133.1	7.7	0.0	0.0	0.0	0.0	0.0	175.1	869.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	52.8	230.0	385.7	534.7	660.6	726.7	740.7	699.1	607.4	475.7	310.2	132.9	6.5	0.0	0.0	0.0	0.0	0.0	231.8	740.7	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	37.3	203.2	342.4	460.6	654.5	723.5	712.7	677.7	445.0	318.0	191.7	42.5	1.4	0.0	0.0	0.0	0.0	0.0	200.4	723.5	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	15.4	86.4	172.2	337.4	420.7	476.2	674.6	693.6	422.5	431.3	122.1	19.1	0.2	0.0	0.0	0.0	0.0	0.0	161.3	693.6	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	22.2	143.8	136.1	488.3	258.2	449.5	550.5	406.3	289.3	152.5	245.6	86.8	3.8	0.0	0.0	0.0	0.0	0.0	134.7	550.5	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	15.5	186.3	123.1	119.4	Au	Au	Au	Au	59.8	38.7	48.1	10.1	0.0	0.0	0.0	0.0	0.0	0.0	30.1	186.3	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	7.8	32.1	75.8	165.7	200.8	114.9	111.8	269.3	268.2	139.4	30.0	13.8	0.8	0.0	0.0	0.0	0.0	0.0	59.6	269.3	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	7.3	58.6	144.2	170.0	269.0	271.3	254.6	324.2	251.4	189.3	113.8	26.4	1.3	0.0	0.0	0.0	0.0	0.0	86.7	324.2	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	21.1	202.4	369.1	479.3	612.3	689.4	557.9	469.8	325.4	148.6	71.3	22.3	0.5	0.0	0.0	0.0	0.0	0.0	165.4	689.4	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	22.3	111.7	121.2	103.8	243.5	302.2	271.7	267.3	248.0	169.5	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	116.3	302.2	0.0
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
30	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
Avg	0.0	0.0	0.0	0.0	0.0	0.7	37.2	156.8	281.4	414.5	527.3	557.4	552.8	479.7	402.6	302.6	213.1	95.3	12.1	0.0	0.0	0.0	0.0	0.0	167.4	627.0	0.0
Max	0.0	0.0	0.0	0.0	0.0	4.2	87.5	260.6	438.5	610.1	717.0	795.4	869.0	781.6	739.9	561.5	394.0	221.6	52.7	0.5	0.0	0.0	0.0	0.0	267.5	869.0	0.0
Min	0.0	0.0	0.0	0.0	0.0	0.0	5.5	7.0	38.3	50.4	116.9	114.9	74.5	170.9	59.8	30.8	11.2	10.1	0.0	0.0	0.0	0.0	0.0	0.0	30.1	186.3	0.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
July 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.69	24.69	24.69	24.69	24.70	24.71	24.71	24.71	24.71	24.70	24.70	24.69	24.69	24.68	24.68	24.67	24.66	24.66	24.66	24.67	24.67	24.68	24.69	24.69	24.69	24.71	24.66
2	24.68	24.68	24.67	24.67	24.67	24.68	24.67	24.66	24.65	24.64	24.64	24.63	24.62	24.61	24.59	24.58	24.56	24.55	24.55	24.54	24.54	24.54	24.54	24.54	24.61	24.68	24.54
3	24.53	24.53	24.52	24.52	24.53	24.54	24.55	24.55	24.55	24.54	24.53	24.53	24.51	24.50	24.49	24.48	24.47	24.46	24.45	24.45	24.46	24.48	24.48	24.48	24.51	24.55	24.45
4	24.48	24.48	24.48	24.48	24.48	24.49	24.49	24.48	24.48	24.47	24.46	24.45	24.44	24.43	24.42	24.40	24.38	24.36	24.35	24.35	24.36	24.38	24.36	24.36	24.43	24.49	24.35
5	24.36	24.36	24.36	24.36	24.36	24.36	24.37	24.38	24.39	24.38	24.38	24.37	24.36	24.36	24.35	24.33	24.31	24.32	24.35	24.35	24.36	24.37	24.37	24.37	24.36	24.39	24.31
6	24.38	24.38	24.39	24.40	24.41	24.42	24.43	24.44	24.44	24.45	24.45	24.44	24.43	24.42	24.41	24.39	24.39	24.37	24.39	24.40	24.42	24.45	24.45	24.45	24.42	24.45	24.37
7	24.45	24.45	24.44	24.44	24.44	24.45	24.46	24.46	24.46	24.46	24.45	24.44	24.44	24.42	24.40	24.40	24.39	24.40	24.41	24.42	24.43	24.46	24.47	24.48	24.44	24.48	24.39
8	24.48	24.46	24.45	24.46	24.47	24.47	24.48	24.47	24.46	24.47	24.46	24.46	24.46	24.48	24.48	24.47	24.45	24.46	24.47	24.49	24.53	24.56	24.57	24.58	24.48	24.58	24.45
9	24.59	24.60	24.59	24.60	24.61	24.62	24.64	24.64	24.64	24.65	24.65	24.65	24.64	24.63	24.62	24.62	24.61	24.60	24.59	24.59	24.61	24.62	24.62	24.62	24.62	24.65	24.59
10	24.62	24.61	24.60	24.60	24.60	24.60	24.60	24.59	24.58	24.57	24.56	24.56	24.55	24.53	24.51	24.49	24.47	24.45	24.44	24.43	24.42	24.42	24.41	24.41	24.53	24.62	24.41
11	24.39	24.39	24.38	24.36	24.37	24.39	24.39	24.39	24.38	24.37	24.37	24.38	24.39	24.39	24.38	24.37	24.37	24.37	24.36	24.38	24.39	24.42	24.43	24.42	24.38	24.43	24.36
12	24.41	24.42	24.42	24.42	24.43	24.44	24.45	24.43	24.43	24.42	24.41	24.40	24.40	24.40	24.39	24.38	24.41	24.40	24.41	24.41	24.42	24.43	24.44	24.45	24.42	24.45	24.38
13	24.44	24.43	24.43	24.43	24.45	24.46	24.48	24.48	24.49	24.50	24.50	24.52	24.53	24.53	24.54	24.55	24.55	24.55	24.57	24.59	24.62	24.63	24.65	24.65	24.52	24.65	24.43
14	24.66	24.66	24.65	24.64	24.64	24.64	24.64	24.65	24.65	24.63	24.63	24.62	24.60	24.59	24.58	24.57	24.55	24.55	24.54	24.55	24.54	24.55	24.55	24.55	24.60	24.66	24.54
15	24.55	24.53	24.53	24.53	24.53	24.53	24.53	24.53	24.52	24.51	24.50	24.49	24.47	24.46	24.46	24.45	24.44	24.44	24.45	24.48	24.50	24.54	24.57	24.58	24.50	24.58	24.44
16	24.59	24.60	24.61	24.62	24.63	24.64	24.65	24.66	24.65	24.64	24.65	24.65	24.65	24.64	24.64	24.63	24.62	24.61	24.63	24.64	24.65	24.66	24.66	24.66	24.64	24.66	24.59
17	24.65	24.66	24.65	24.63	24.62	24.64	24.65	24.64	24.64	24.63	24.62	24.61	24.60	24.59	24.57	24.55	24.54	24.56	24.62	24.63	24.61	24.62	24.62	24.63	24.62	24.66	24.54
18	24.63	24.63	24.63	24.63	24.64	24.64	24.65	24.66	24.65	24.65	24.64	24.64	24.63	24.62	24.62	24.60	24.59	24.59	24.59	24.59	24.61	24.63	24.63	24.63	24.63	24.66	24.59
19	24.64	24.63	24.63	24.62	24.62	24.62	24.62	24.61	24.61	24.59	24.59	24.58	24.56	24.55	24.54	24.54	24.53	24.52	24.52	24.52	24.54	24.55	24.55	24.55	24.58	24.64	24.52
20	24.56	24.55	24.55	24.54	24.53	24.54	24.54	24.54	24.53	24.52	24.51	24.50	24.49	24.48	24.47	24.45	24.44	24.42	24.41	24.41	24.42	24.43	24.43	24.42	24.49	24.56	24.41
21	24.42	24.41	24.40	24.41	24.41	24.42	24.44	24.44	24.44	24.44	24.44	24.43	24.43	24.43	24.42	24.41	24.40	24.39	24.39	24.40	24.41	24.43	24.44	24.45	24.42	24.45	24.39
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
26	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
27	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
28	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
30	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
31	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
Avg	24.53	24.53	24.53	24.53	24.53	24.54	24.54	24.54	24.54	24.53	24.53	24.53	24.52	24.51	24.50	24.49	24.48	24.48	24.48	24.49	24.50	24.52	24.52	24.52	24.52	24.57	24.46
Max	24.69	24.69	24.69	24.69	24.70	24.71	24.71	24.71	24.71	24.70	24.70	24.69	24.69	24.68	24.68	24.67	24.66	24.66	24.66	24.67	24.67	24.68	24.69	24.69	24.69	24.71	24.66
Min	24.36	24.36	24.36	24.36	24.36	24.36	24.37	24.38	24.38	24.37	24.37	24.37	24.36	24.36	24.35	24.33	24.31	24.32	24.35	24.35	24.36	24.37	24.36	24.36	24.36	24.39	24.31

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
August 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
2	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
3	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
4	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
5	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
6	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
7	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
9	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
10	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
11	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
12	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
13	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
14	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
15	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
18	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
19	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
20	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
21	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
26	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
27	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
28	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	24.54	24.54	24.52	24.52	24.53	24.53	24.55	24.58	24.59	24.59	24.55	24.59	24.52
30	24.60	24.60	24.59	24.59	24.58	24.58	24.59	24.59	24.58	24.57	24.56	24.55	24.54	24.54	24.53	24.52	24.51	24.50	24.50	24.52	24.53	24.55	24.57	24.59	24.56	24.60	24.50
31	24.59	24.59	24.59	24.60	24.59	24.60	24.61	24.62	24.62	24.62	24.62	24.62	24.61	24.60	24.59	24.58	24.57	24.56	24.56	24.57	24.59	24.59	24.59	24.59	24.59	24.62	24.56
Avg	24.59	24.59	24.59	24.59	24.59	24.59	24.60	24.61	24.60	24.59	24.59	24.59	24.57	24.57	24.55	24.55	24.53	24.53	24.53	24.54	24.56	24.57	24.58	24.59	24.57	24.60	24.53
Max	24.60	24.60	24.59	24.60	24.59	24.60	24.61	24.62	24.62	24.62	24.62	24.62	24.61	24.60	24.59	24.58	24.57	24.56	24.56	24.57	24.59	24.59	24.59	24.59	24.59	24.62	24.56
Min	24.59	24.59	24.59	24.59	24.58	24.58	24.59	24.59	24.58	24.57	24.56	24.55	24.54	24.54	24.53	24.52	24.51	24.50	24.50	24.52	24.53	24.55	24.57	24.59	24.55	24.59	24.50

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
September 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.59	24.59	24.59	24.58	24.58	24.57	24.58	24.58	24.57	24.56	24.56	24.55	24.54	24.53	24.52	24.50	24.49	24.48	24.48	24.49	24.51	24.51	24.52	24.51	24.54	24.59	24.48
2	24.51	24.51	24.50	24.50	24.49	24.49	24.50	24.50	24.49	24.48	24.47	24.46	24.45	24.45	24.44	24.45	24.46	24.46	24.47	24.48	24.49	24.51	24.51	24.53	24.48	24.53	24.44
3	24.53	24.54	24.55	24.55	24.56	24.56	24.57	24.58	24.59	24.59	24.59	24.58	24.57	24.56	24.55	24.54	24.55	24.55	24.55	24.56	24.59	24.62	24.63	24.63	24.57	24.63	24.53
4	24.62	24.62	24.61	24.61	24.62	24.62	24.63	24.64	24.64	24.64	24.63	24.62	24.62	24.61	24.61	24.60	24.60	24.60	24.60	24.60	24.62	24.63	24.63	24.62	24.62	24.64	24.60
5	24.62	24.61	24.60	24.59	24.59	24.60	24.61	24.61	24.60	24.59	24.58	24.56	24.55	24.55	24.55	24.55	24.53	24.52	24.52	24.54	24.55	24.56	24.56	24.58	24.57	24.62	24.52
6	24.59	24.55	24.56	24.57	24.57	24.58	24.58	24.59	24.58	24.57	24.56	24.55	24.54	24.52	24.50	24.48	24.48	24.50	24.51	24.51	24.52	24.53	24.54	24.55	24.54	24.59	24.48
7	24.55	24.56	24.56	24.57	24.57	24.57	24.59	24.59	24.60	24.60	24.59	24.58	24.56	24.55	24.53	24.51	24.49	24.49	24.55	24.56	24.55	24.57	24.54	24.54	24.56	24.60	24.49
8	24.54	24.53	24.52	24.52	24.51	24.51	24.50	24.50	24.50	24.49	24.47	24.46	24.43	24.42	24.45	24.43	24.42	24.42	24.42	24.43	24.44	24.43	24.44	24.44	24.47	24.54	24.42
9	24.44	24.44	24.43	24.43	24.43	24.44	24.44	24.46	24.46	24.47	24.48	24.48	24.49	24.50	24.49	24.49	24.50	24.50	24.51	24.53	24.54	24.54	24.55	24.55	24.48	24.55	24.43
10	24.56	24.56	24.56	24.56	24.56	24.57	24.58	24.60	24.60	24.60	24.59	24.59	24.59	24.58	24.57	24.56	24.55	24.56	24.57	24.59	24.61	24.62	24.63	24.64	24.58	24.64	24.55
11	24.65	24.65	24.66	24.67	24.67	24.68	24.70	24.72	24.72	24.72	24.72	24.71	24.71	24.71	24.71	24.71	24.71	24.71	24.72	24.73	24.74	24.74	24.75	24.75	24.71	24.75	24.65
12	24.76	24.75	24.75	24.74	24.74	24.72	24.72	24.72	24.71	24.71	24.69	24.68	24.66	24.65	24.62	24.61	24.60	24.58	24.58	24.58	24.57	24.57	24.55	24.54	24.66	24.76	24.54
13	24.53	24.52	24.52	24.51	24.50	24.49	24.49	24.48	24.47	24.46	24.44	24.42	24.41	24.40	24.38	24.37	24.37	24.37	24.37	24.38	24.39	24.40	24.40	24.41	24.44	24.53	24.37
14	24.41	24.41	24.42	24.43	24.44	24.45	24.46	24.48	24.49	24.51	24.51	24.51	24.53	24.53	24.54	24.54	24.54	24.55	24.56	24.57	24.58	24.60	24.61	24.61	24.51	24.61	24.41
15	24.60	24.60	24.61	24.61	24.60	24.60	24.60	24.60	24.59	24.59	24.59	24.58	24.57	24.56	24.54	24.53	24.52	24.51	24.51	24.50	24.50	24.49	24.48	24.47	24.56	24.61	24.47
16	24.46	24.45	24.45	24.45	24.44	24.44	24.44	24.44	24.43	24.43	24.41	24.40	24.39	24.38	24.37	24.37	24.35	24.34	24.34	24.34	24.35	24.35	24.36	24.37	24.40	24.46	24.34
17	24.36	24.36	24.35	24.35	24.34	24.33	24.32	24.33	24.33	24.35	24.34	24.33	24.32	24.30	24.26	24.28	24.25	24.25	24.27	24.22	24.20	24.21	24.23	24.20	24.29	24.36	24.20
18	24.18	24.19	24.19	24.18	24.19	24.20	24.22	24.23	24.26	24.26	24.26	24.27	24.28	24.29	24.31	24.31	24.33	24.35	24.38	24.41	24.43	24.44	24.46	24.47	24.30	24.47	24.18
19	24.48	24.50	24.50	24.51	24.52	24.53	24.55	24.56	24.57	24.58	24.59	24.58	24.57	24.57	24.57	24.56	24.55	24.55	24.54	24.54	24.54	24.54	24.53	24.52	24.54	24.59	24.48
20	24.51	24.50	24.50	24.49	24.49	24.48	24.48	24.48	24.48	24.47	24.46	24.44	24.42	24.39	24.37	24.36	24.35	24.34	24.33	24.33	24.33	24.32	24.32	24.31	24.41	24.51	24.31
21	24.31	24.30	24.29	24.29	24.28	24.28	24.27	24.27	24.26	24.24	24.23	24.22	24.21	24.19	24.17	24.16	24.15	24.15	24.15	24.16	24.17	24.16	24.15	24.14	24.22	24.31	24.14
22	24.14	24.14	24.15	24.17	24.16	24.16	24.15	24.15	24.16	24.16	24.15	24.13	24.14	24.12	24.11	24.11	24.13	24.16	24.17	24.19	24.20	24.21	24.22	24.22	24.16	24.22	24.11
23	24.22	24.22	24.23	24.24	24.25	24.25	24.28	24.29	24.31	24.32	24.34	24.33	24.33	24.33	24.33	24.34	24.35	24.37	24.37	24.37	24.38	24.39	24.39	24.39	24.32	24.39	24.22
24	24.39	24.40	24.39	24.39	24.38	24.37	24.36	24.36	24.35	24.34	Au	Au	Au	Au	24.25	24.23	24.21	24.19	24.19	24.22	24.22	24.22	24.23	24.22	24.30	24.40	24.19
25	24.19	24.19	24.20	24.19	24.17	24.17	24.16	24.16	24.16	24.16	24.16	24.15	24.15	24.14	24.14	24.14	24.16	24.17	24.17	24.18	24.17	24.18	24.19	24.20	24.17	24.20	24.14
26	24.22	24.22	24.23	24.24	24.24	24.26	24.27	24.28	24.29	24.31	24.32	24.33	24.34	24.35	24.36	24.37	24.38	24.39	24.40	24.38	24.39	24.38	24.38	24.39	24.32	24.40	24.22
27	24.39	24.39	24.38	24.38	24.38	24.37	24.38	24.38	24.38	24.38	24.36	24.36	24.34	24.33	24.33	24.33	24.33	24.34	24.34	24.34	24.34	24.34	24.34	24.33	24.36	24.39	24.33
28	24.33	24.33	24.32	24.32	24.33	24.33	24.34	24.34	24.35	24.35	24.34	24.33	24.33	24.32	24.32	24.32	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	24.33	24.35	24.32
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
30	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
Avg	24.45	24.45	24.45	24.45	24.45	24.45	24.46	24.46	24.46	24.46	24.46	24.45	24.45	24.44	24.42	24.42	24.42	24.42	24.43	24.43	24.44	24.45	24.45	24.45	24.45	24.51	24.38
Max	24.76	24.75	24.75	24.74	24.74	24.72	24.72	24.72	24.72	24.72	24.72	24.71	24.71	24.71	24.71	24.71	24.71	24.71	24.72	24.73	24.74	24.74	24.75	24.75	24.71	24.76	24.65
Min	24.14	24.14	24.15	24.17	24.16	24.16	24.15	24.15	24.16	24.16	24.15	24.13	24.14	24.12	24.11	24.11	24.13	24.15	24.15	24.16	24.17	24.16	24.15	24.14	24.16	24.20	24.11

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
July 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	86.5	88.8	92.3	93.8	94.1	92.7	83.7	72.4	58.1	38.6	31.3	31.1	30.8	32.0	32.0	31.8	35.5	38.4	42.2	46.2	54.4	62.7	71.4	77.2	59.1	94.1	30.8
2	81.8	83.0	82.7	83.1	88.2	84.9	78.7	65.6	51.9	47.9	45.4	42.5	35.6	30.5	30.0	29.0	28.1	32.5	35.4	50.8	59.8	68.2	73.9	76.7	57.8	88.2	28.1
3	85.7	85.3	86.6	88.0	88.4	86.1	76.5	62.8	47.6	40.4	36.5	34.5	33.5	33.4	33.0	30.1	31.4	31.1	34.0	38.5	55.6	68.3	73.5	79.7	56.7	88.4	30.1
4	84.4	86.2	89.4	92.8	93.0	91.9	80.4	70.4	57.9	50.4	46.9	40.8	36.9	39.1	34.6	36.4	37.0	35.9	31.9	43.3	63.3	59.2	76.6	82.4	60.9	93.0	31.9
5	89.5	88.2	93.1	93.4	95.0	86.7	78.3	65.5	56.6	43.1	42.5	35.8	37.4	35.9	36.6	34.2	36.2	49.9	77.6	80.3	88.7	88.0	94.7	94.5	67.6	95.0	34.2
6	94.8	95.6	96.5	96.5	96.7	96.1	91.7	81.9	64.9	56.3	44.3	41.2	41.1	38.7	33.1	32.1	30.4	42.8	53.9	59.8	65.3	76.9	83.8	83.7	66.6	96.7	30.4
7	84.0	89.5	90.4	88.9	92.8	93.3	82.0	73.0	69.7	62.7	58.5	52.1	43.6	36.6	36.2	35.2	50.9	52.2	56.5	57.2	67.1	75.6	80.7	81.8	67.1	93.3	35.2
8	83.6	86.4	87.2	85.6	86.6	85.9	76.0	61.7	45.8	44.1	45.6	47.6	62.4	75.6	64.5	49.6	43.6	43.6	42.2	41.5	65.8	77.0	86.5	91.0	65.8	91.0	41.5
9	93.0	91.7	93.9	93.9	95.2	94.3	82.8	69.5	54.1	43.7	40.6	37.7	32.9	29.8	27.9	24.4	20.1	21.6	29.5	36.6	52.1	58.5	67.4	76.5	57.0	95.2	20.1
10	83.2	90.7	90.8	91.7	94.2	90.4	82.7	70.7	52.4	40.7	30.9	27.1	24.2	20.6	19.1	19.3	16.6	16.7	23.4	31.8	30.9	30.9	32.1	38.2	47.9	94.2	16.6
11	41.4	54.4	63.0	65.6	70.4	71.3	64.4	58.1	43.3	33.8	34.3	34.4	29.8	28.4	27.9	30.5	32.8	37.9	39.7	46.5	54.9	56.1	54.1	56.9	47.1	71.3	27.9
12	66.0	73.9	78.3	85.2	88.3	84.9	70.6	60.9	44.3	40.3	36.8	30.5	29.6	37.6	34.1	30.3	52.3	63.7	69.6	73.6	83.6	85.0	84.3	84.6	62.0	88.3	29.6
13	89.7	93.4	92.0	92.3	93.8	90.5	78.1	64.1	56.8	53.3	48.9	41.3	37.3	34.9	35.5	36.0	34.8	39.7	42.9	48.9	51.1	58.3	60.9	61.4	59.8	93.8	34.8
14	59.6	59.9	62.8	63.2	61.1	62.9	56.2	59.2	58.0	57.0	54.2	47.5	45.6	29.6	31.6	32.5	30.7	34.6	36.5	47.4	51.8	52.4	57.0	63.8	50.6	63.8	29.6
15	66.7	72.7	83.5	88.1	88.1	88.6	81.7	66.9	44.8	35.8	23.7	19.5	19.7	18.4	18.4	18.1	18.1	22.0	24.1	31.5	48.9	64.7	69.7	73.7	49.5	88.6	18.1
16	75.1	76.8	80.7	84.1	89.1	87.7	77.0	68.3	61.1	50.2	49.8	48.1	48.8	42.8	38.4	38.9	38.7	43.4	52.2	60.5	65.6	71.0	74.3	77.5	62.5	89.1	38.4
17	80.7	87.5	91.0	92.7	93.1	94.3	90.9	83.5	76.9	65.6	57.4	51.5	45.9	41.5	38.5	35.5	38.5	57.9	78.0	88.9	89.5	94.1	93.5	93.7	73.4	94.3	35.5
18	94.1	96.6	96.8	96.8	97.2	97.1	95.8	90.8	67.1	48.1	40.8	37.9	33.1	30.1	27.2	25.1	24.7	21.4	26.8	37.5	55.5	62.8	71.8	83.9	60.8	97.2	21.4
19	84.9	82.1	83.2	89.1	89.9	86.2	81.2	69.4	49.8	33.6	29.8	26.2	19.4	18.9	16.1	10.6	11.8	15.7	18.4	27.0	39.6	52.6	64.3	71.8	48.8	89.9	10.6
20	76.6	82.2	83.0	85.9	88.0	88.3	77.5	64.2	47.7	36.5	31.6	26.8	26.7	26.7	24.6	19.9	20.1	20.3	21.7	26.3	46.7	53.6	65.0	71.6	50.5	88.3	19.9
21	71.1	74.5	78.7	84.1	87.0	86.9	75.4	62.0	40.6	28.9	27.6	26.8	24.7	23.1	22.6	21.0	16.9	15.2	16.8	30.3	35.8	49.1	65.2	56.6	46.7	87.0	15.2
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
26	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
27	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
28	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
30	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
31	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
Avg	79.6	82.8	85.5	87.4	89.1	87.7	79.1	68.6	54.7	45.3	40.8	37.2	35.2	33.5	31.5	29.5	30.9	35.1	40.6	47.8	58.4	65.0	71.5	75.1	58.0	89.6	27.6
Max	94.8	96.6	96.8	96.8	97.2	97.1	95.8	90.8	76.9	65.6	58.5	52.1	62.4	75.6	64.5	49.6	52.3	63.7	78.0	88.9	89.5	94.1	94.7	94.5	73.4	97.2	41.5
Min	41.4	54.4	62.8	63.2	61.1	62.9	56.2	58.1	40.6	28.9	23.7	19.5	19.4	18.4	16.1	10.6	11.8	15.2	16.8	26.3	30.9	30.9	32.1	38.2	46.7	63.8	10.6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
August 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
2	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
3	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
4	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
5	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
6	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
7	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
9	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
10	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
11	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
12	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
13	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
14	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
15	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
18	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
19	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
20	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
21	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
22	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
23	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
24	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
25	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
26	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
27	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
28	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	23.4	21.5	21.4	23.4	34.4	45.4	56.1	60.4	65.0	70.7	42.2	70.7	21.4
30	79.6	84.3	87.8	89.7	90.9	92.2	91.3	79.0	55.6	41.3	34.7	30.9	28.3	23.8	25.1	21.4	21.4	23.4	30.0	38.7	48.3	54.4	64.2	70.6	54.5	92.2	21.4
31	73.6	78.6	83.1	84.9	86.8	90.3	86.6	73.9	53.4	37.5	31.6	24.7	20.5	19.3	20.5	21.6	21.1	21.3	24.9	41.3	47.2	53.4	61.1	57.8	50.6	90.3	19.3
Avg	76.6	81.4	85.4	87.3	88.8	91.3	88.9	76.5	54.5	39.4	33.2	27.8	24.4	21.6	23.0	21.5	21.3	22.7	29.8	41.8	50.5	56.1	63.4	66.4	50.8	84.4	20.7
Max	79.6	84.3	87.8	89.7	90.9	92.2	91.3	79.0	55.6	41.3	34.7	30.9	28.3	23.8	25.1	21.6	21.4	23.4	34.4	45.4	56.1	60.4	65.0	70.7	54.5	92.2	21.4
Min	73.6	78.6	83.1	84.9	86.8	90.3	86.6	73.9	53.4	37.5	31.6	24.7	20.5	19.3	20.5	21.4	21.1	21.3	24.9	38.7	47.2	53.4	61.1	57.8	42.2	70.7	19.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
September 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	53.2	53.0	51.8	59.8	72.4	76.0	77.4	63.3	42.4	33.1	28.7	25.6	22.8	20.6	17.4	14.3	16.0	16.4	22.1	38.4	45.9	49.5	54.2	60.1	42.3	77.4	14.3
2	64.1	68.9	69.9	75.6	75.6	74.2	75.4	59.4	39.4	25.0	19.8	19.0	19.8	19.2	18.8	23.1	21.6	25.6	33.9	34.1	44.2	52.6	58.6	63.6	45.1	75.6	18.8
3	69.7	74.4	79.7	82.2	85.7	86.8	84.4	69.8	50.6	35.8	30.7	28.3	26.9	25.7	25.4	27.6	29.1	30.2	32.6	35.8	35.6	42.1	49.1	51.2	49.6	86.8	25.4
4	57.6	62.4	66.7	71.9	74.6	82.1	86.9	77.6	59.4	45.2	42.3	40.1	36.3	35.9	33.8	32.3	29.8	35.8	38.8	53.9	58.6	66.6	72.1	79.9	55.9	86.9	29.8
5	82.5	86.4	88.6	88.2	89.7	91.0	87.8	70.4	53.2	37.4	34.2	32.5	33.5	36.9	34.9	38.8	36.7	35.8	44.9	57.9	65.4	73.7	77.5	85.0	61.0	91.0	32.5
6	82.7	87.1	92.3	95.1	94.9	96.5	93.4	92.8	81.2	63.9	45.1	34.2	32.9	31.5	28.7	36.0	35.6	72.1	81.8	78.9	64.5	66.3	69.7	74.2	68.0	96.5	28.7
7	82.1	87.7	90.8	92.5	92.8	94.2	95.9	93.8	91.8	78.8	66.8	60.4	51.1	44.7	41.6	38.4	45.6	64.5	86.3	89.3	87.0	90.1	87.1	91.9	76.9	95.9	38.4
8	92.2	95.2	95.7	96.0	96.2	96.5	96.4	95.4	90.1	70.7	64.3	52.7	37.5	41.5	70.9	74.1	70.3	62.4	61.3	56.9	65.7	80.4	86.0	88.2	76.5	96.5	37.5
9	89.8	93.2	93.9	93.9	91.8	82.9	82.6	79.0	72.3	68.1	67.0	64.9	62.7	73.9	69.1	59.4	58.9	58.2	67.3	81.1	87.5	88.5	92.2	92.9	78.0	93.9	58.2
10	94.6	95.1	95.3	94.8	95.2	95.4	95.2	90.8	72.9	54.7	43.9	36.1	34.2	31.8	30.8	28.1	28.5	30.7	48.2	61.6	70.5	75.0	81.7	80.8	65.2	95.4	28.1
11	84.4	84.6	89.5	90.9	92.1	93.0	90.6	78.6	64.3	41.8	36.2	34.1	32.6	31.8	31.8	32.3	31.9	36.5	45.4	55.2	57.3	63.1	66.3	69.2	59.7	93.0	31.8
12	66.4	71.5	64.7	67.8	68.9	72.1	74.9	60.4	51.4	48.3	44.5	41.3	38.1	39.9	36.4	36.5	36.4	37.6	44.0	48.6	43.4	50.5	51.7	54.2	52.1	74.9	36.4
13	61.7	76.7	80.6	86.0	91.0	90.3	88.1	84.3	68.2	49.6	44.5	39.2	37.6	36.1	36.6	38.5	39.6	39.8	48.5	59.4	67.5	73.1	78.9	81.9	62.4	91.0	36.1
14	83.4	83.2	85.7	86.3	85.5	83.1	81.1	75.3	73.1	62.1	52.4	50.4	51.8	52.6	51.7	52.5	54.3	58.5	63.6	66.1	68.4	72.9	76.2	78.4	68.7	86.3	50.4
15	75.3	74.3	75.5	78.3	78.3	82.2	81.4	67.6	60.1	58.3	60.8	61.4	59.3	56.6	56.4	58.4	61.7	64.1	68.9	72.3	71.6	73.7	74.3	78.6	68.7	82.2	56.4
16	82.6	87.5	89.2	91.8	94.2	95.3	95.5	89.1	65.2	52.4	45.7	39.5	35.9	36.2	38.7	52.1	44.1	38.6	44.9	57.8	64.9	75.7	79.1	81.4	65.7	95.5	35.9
17	82.8	88.7	91.4	92.3	92.7	94.3	94.4	92.0	87.8	81.8	79.1	75.2	75.2	81.5	70.8	83.7	88.3	86.5	91.7	88.7	85.4	91.2	92.2	88.8	86.5	94.4	70.8
18	90.4	94.3	94.1	94.8	95.7	95.8	95.6	93.4	88.9	85.3	80.1	77.0	71.8	64.1	59.8	56.8	56.2	63.4	79.9	82.3	82.1	84.4	87.4	87.9	81.7	95.8	56.2
19	89.1	90.6	91.3	89.8	89.4	89.1	89.6	86.9	83.9	77.9	68.9	61.5	53.8	51.5	47.8	45.9	44.1	42.9	67.0	80.5	85.3	88.3	91.7	92.3	75.0	92.3	42.9
20	93.1	93.4	92.2	93.0	92.9	93.0	91.2	86.7	69.2	45.1	38.2	34.8	30.7	25.0	22.1	21.4	20.1	24.4	43.6	61.4	72.5	78.3	80.4	83.4	61.9	93.4	20.1
21	85.9	87.3	81.7	82.5	80.2	77.4	73.8	72.3	52.7	38.1	26.1	26.1	25.1	24.7	22.7	22.4	25.0	34.2	35.7	41.2	48.6	57.9	63.8	67.5	52.2	87.3	22.4
22	72.3	74.5	78.7	82.7	75.3	80.4	77.2	73.3	63.5	47.6	37.8	37.3	35.8	34.9	36.1	42.6	52.0	70.7	83.4	89.3	90.0	92.9	80.8	82.4	66.3	92.9	34.9
23	86.2	88.1	90.8	91.2	91.0	86.8	74.8	67.3	64.9	57.4	57.7	47.9	45.3	46.0	43.3	41.5	39.4	39.3	42.0	50.2	49.1	53.8	58.7	68.7	61.7	91.2	39.3
24	71.3	73.5	80.2	84.4	84.0	87.6	89.5	77.9	73.9	65.6	Au	Au	Au	Au	88.7	89.8	86.6	91.1	91.0	90.4	92.1	91.5	92.6	92.5	84.7	92.6	65.6
25	93.2	94.2	94.3	94.3	95.1	94.6	95.1	95.8	96.0	91.2	77.3	76.4	80.0	77.3	71.3	71.4	78.4	80.4	82.0	82.8	85.3	87.3	88.6	88.2	86.3	96.0	71.3
26	91.9	94.6	88.8	83.2	83.5	81.5	82.8	83.6	74.7	75.0	70.4	66.8	67.8	65.5	63.9	66.9	70.6	71.5	75.0	83.8	85.5	88.5	89.9	90.3	79.0	94.6	63.9
27	90.8	91.2	90.8	91.5	90.1	90.5	89.8	86.3	77.2	70.2	67.1	64.2	60.9	59.3	58.0	60.0	61.0	59.4	59.7	61.5	63.7	74.2	75.5	77.1	73.8	91.5	58.0
28	74.7	72.8	75.1	72.1	73.9	76.9	77.8	69.0	65.0	64.6	62.9	59.0	57.5	56.2	55.8	55.2	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	66.8	77.8	55.2
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
30	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
Avg	80.1	83.0	84.3	85.8	86.5	87.1	86.4	79.7	69.0	58.0	51.6	47.6	45.1	44.5	45.1	46.4	46.7	50.8	58.6	65.2	68.1	73.4	76.2	78.9	66.7	90.0	41.4
Max	94.6	95.2	95.7	96.0	96.2	96.5	96.4	95.8	96.0	91.2	80.1	77.0	80.0	81.5	88.7	89.8	88.3	91.1	91.7	90.4	92.1	92.9	92.6	92.9	86.5	96.5	71.3
Min	53.2	53.0	51.8	59.8	68.9	72.1	73.8	59.4	39.4	25.0	19.8	19.0	19.8	19.2	17.4	14.3	16.0	16.4	22.1	34.1	35.6	42.1	49.1	51.2	42.3	74.9	14.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
July 2013

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Tot																										
Max																										

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
August 2013

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Tot																										
Max																										

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
September 2013

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Ma	Au	Au	Au	0.020	0.100	0.030	0.060	0.010	0.000	0.000	0.000	0.000	0.220	0.100
18	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.130	0.070	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.310	0.130
19	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.020	0.010
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.030	0.060	0.020	0.040	0.020	0.010	0.050	0.120	0.000	0.000	0.000	0.000	0.370	0.120
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.010	0.000	0.010	0.010	0.000	0.010	0.010	0.030	0.100	0.030
26	0.010	0.010	0.000	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.010
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	0.000	0.000
29	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw		
30	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw		
Tot	0.020	0.020	0.000	0.010	0.000	0.000	0.100	0.140	0.070	0.010	0.000	0.030	0.050	0.060	0.020	0.060	0.130	0.040	0.130	0.150	0.000	0.010	0.010	0.030	1.090	0.000
Max	0.010	0.010	0.000	0.010	0.000	0.000	0.100	0.130	0.070	0.010	0.000	0.020	0.030	0.060	0.020	0.040	0.100	0.030	0.060	0.120	0.000	0.010	0.010	0.030	0.370	0.130

APPENDIX B: PERFORMANCE AUDIT REPORTS THIRD QUARTER 2013

BISON
ENGINEERING, INC.

Bison Engineering

Preliminary Meteorological Parameters Audit Form

Audit Dates:	9/17/2013	Audit Start Time : 12:30 MST	Audit End Time : 15:30 MST
	9/24/2013	Audit Start Time : 10:20 MST	Audit End Time : 14:30 MST
Client:	Tintina Resources		
Site:	Black Butte		
AUDITOR:	Steve Heck	STATION OPERATOR: Jeff Bell	

Temperature (Performed 9/17/2013)

Audit Device
Control Company - digital thermometer Model 4000
Serial Number : 91255639
Last certified: 11/20/2012

No adjustments made but replaced both aspirator fans (were working)

Temperature bath results

Audit Value °C	9m DAS Value °C	9m DAS Diff. °C	2m DAS Value °C	2m DAS Diff. °C	9m - 2m DAS Diff. °C
0.1	0.27	0.17	0.27	0.17	0.00
16.1	16.00	-0.10	16.00	-0.10	0.00
34.9	35.00	0.10	35.02	0.12	-0.02

Wind Direction (Alignment checked 9/17/2013)
(Linearity checked 9/24/2013)

Sensor height: 9 Meter
Sensor (Make/model number): Climatronics/ WMIII
Serial Number : 1872
Crossarm orientation (from Garmin GPS): 1.5 / 181.5
GPS location at sensor:
N 46 deg 46.374 min, W 110 deg 52.886 min
GPS location at sighting point:
N 46 deg 46.347 min, W 110 deg 52.887 min
Sensor response aligned with crossarm (as found): 178.0
Sensor response aligned with crossarm (as left): 181.5

Linearity Audit Device: Climatronics 101966, SN 70

Threshold Torque: 0.05 oz.-in.
(Waters Model 366-1 torque watch)

Linearity Check from DAS (as found)

Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	0.2	0.2	0.2	0.2
30	28.5	28.0	-1.5	-2.0
60	57.9	57.5	-2.1	-2.5
90	87.3	86.8	-2.7	-3.2
120	117.1	116.6	-2.9	-3.4
150	146.9	146.4	-3.1	-3.6
180	177.0	176.7	-3.0	-3.3
210	207.2	206.8	-2.8	-3.2
240	237.2	236.8	-2.8	-3.2
270	267.5	267.2	-2.5	-2.8
300	298.2	297.8	-1.8	-2.2
330	328.5	328.2	-1.5	-1.8
		Max Diff	**-3.1**	**-3.6**

Linearity Check from DAS (as left)

Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	0.9	1.1	0.9	1.1
30	31.5	31.0	1.5	1.0
60	60.8	60.5	0.8	0.5
90	90.3	89.8	0.3	-0.2
120	120.2	119.8	0.2	-0.2
150	150.0	149.5	0.0	-0.5
180	180.1	179.7	0.1	-0.3
210	210.4	209.9	0.4	-0.1
240	240.3	239.8	0.3	-0.2
270	270.6	270.1	0.6	0.1
300	301.2	300.8	1.2	0.8
330	331.5	331.2	1.5	1.2
		Max Diff	**1.5**	**1.2**

Wind Speed (Performed 9/24/2013)

Sensor height:: 9 Meter
Sensor (Make/model number): Climatronics/ WMIII
Serial Number : 1872
Calibration device: Weathertronics 300 rpm synchronous motor
Weathertronics 600 rpm synchronous motor

Threshold Torque: <0.003 oz.-in.
(Waters Model 366-3 torque watch)

Synchronous motor checks

Known Value RPM	Known Value m/s	DAS Value m/s	DAS Diff. m/s
0	0.22	0.22	0.00
300	6.66	6.71	0.05
600	13.09	13.35	0.26

Relative Humidity (Performed 9/17/2013)

Audit Device: Assmann Psychrometer, thermometer calibrations checked 9/15/2013

Audit Dry-Bulb: 13.0 deg C BP = 24.25 in. Hg
Audit Wet-Bulb 10.3 deg C
Audit RH: 74.0 %RH
Station RH: 73.7 %RH
Diff: -0.3 %RH

Barometric Pressure (Performed 9/17/2013)

Audit Device: Wallace & Tiernan Model FA185260, S/N LL03297.
Checked against Bison Mercury barometer (Butte) on 09/15/2013

Audit Value: 24.25 in Hg
Station Value: 24.31 in Hg
Diff: 0.06 in Hg

Solar Radiation (Performed 9/17/2013)

Audit Device: Eppley Pyranometer, SN 16166F3 (certified by Eppley August 2013)

Audit Value: 853 watts/m^2
Station Value: 824 watts/m^2
Diff.: -3.4%

Precipitation (Performed 9/17/2013)

Rain Gauge = Met One Model 375
Level checked OK
Wind Screen in place
8" opening

Tipping bucket had fallen out of its holder so gauge was not functional.
Repaired gauge and conducted audit as shown below.

559 ml water added
Calibration is 8.24 ml per tip
Known audit value is 559 / 8.24 = 67.8 tips (so 67 full tips expected)

Unit registered 66 tips
% difference from expected = -1.7%

Signature Site Operator : _____

Signature Auditor : Steven R Steele

TINTINA RESOURCES, INC.
BLACK BUTTE COPPER PROJECT
AMBIENT AIR
MONITORING PROGRAM
Quarterly Data Report
Fourth Quarter 2013

Prepared for:

Tintina Resources, Inc.
17 East Main St
White Sulphur Springs, MT 59645

Prepared by:

Bison Engineering, Inc.
1111 Maggie Lane
Billings, MT 59101
(406) 896-1716
http://www.bison-eng.com

February 14, 2014

CERTIFICATION OF DATA INTEGRITY

Bison Engineering, Inc., certifies the data in this report is an accurate summary of the air quality conditions measured at the Black Butte Copper Project air monitoring site. Every effort was made to obtain accurate and representative data and to comply with the procedures set forth in the *Quality Assurance Project Plan*, the *State of Montana Ambient Air Monitoring Program Quality Assurance Project Plan*, the Environmental Protection Agency's *Quality Assurance Handbook for Air Pollution Measurement Systems: Volume II, Ambient Air Specific Methods (April 1994)*, and EPA's *Quality Assurance Handbook for Air Pollution Measurement Systems, Volume II, Part 1, Ambient Air Quality Monitoring Program Quality System Development (March 1998).*

Preparer: Jeffrey S. Bell

Signature: Jeffrey S. Bell

Title: Senior Field Technician

Date: 1/15/14

Reviewer: Rebecca L. Picchioni, P.E.

Signature: Rebecca L. Picchioni

Title: Project Engineer

Date: 2/10/14

TABLE OF CONTENTS

CERTIFICATION OF DATA INTEGRITY ii

1.0 INTRODUCTION 1

2.0 MONITORING SYSTEM OPERATIONS 3

3.0 CALIBRATION DATA 4

4.0 PERFORMANCE AUDIT DATA 5

5.0 DATA COMPLETENESS 6

6.0 MONITORING DATA 12

LIST OF TABLES

Table 1. Monthly Data Completeness 7
Table 2. Quarterly Data Completeness 10
Table 3. Periods of Missing Data 11
Table 4. Missing Data Codes 13
Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 14
Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 15
Table 7. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 16
Table 8. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower 17

LIST OF FIGURES

Figure 1. Monitoring Site Location 2
Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower 18
Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower 19
Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower 20
Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower 21

APPENDICES

Appendix A: Meteorological Data
Appendix B: Performance Audit Reports

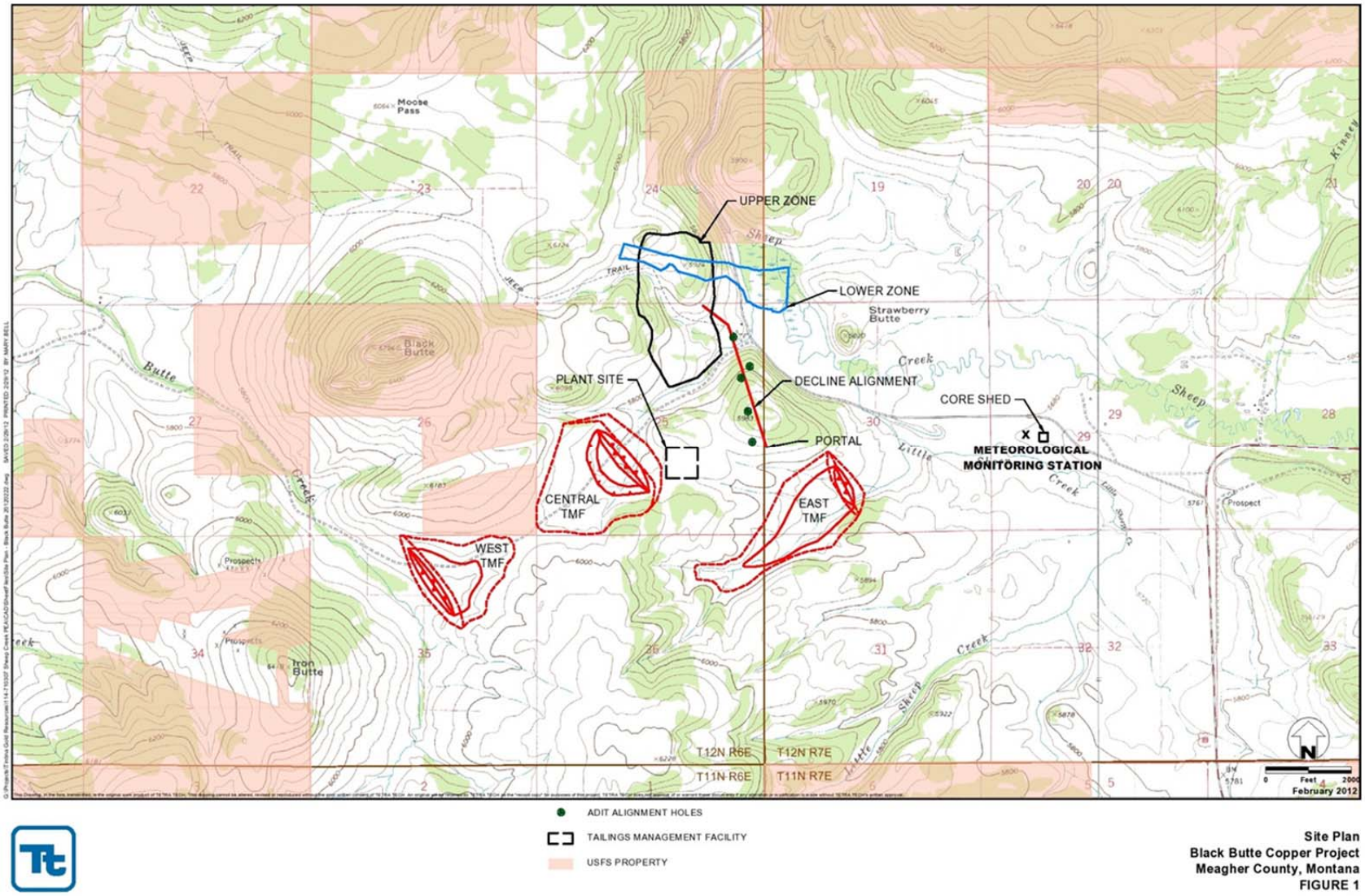
1.0 INTRODUCTION

Tintina Resources, Inc. established an ambient air monitoring site to measure wind speed, wind direction, standard deviation of wind direction, temperature at 9 meters and 2 meters, delta temperature, solar radiation, barometric pressure, and precipitation. The station was established to accurately characterize the local meteorology and collect baseline data in support of an operating permit application and various environmental studies.

The site of the meteorological monitoring system was installed in April 2012. The site is operated by Bison Engineering, Inc., of Helena and Billings. Figure 1 shows the location of the monitoring site.

This report presents the data collected during the fourth quarter (October through December) of 2013. In addition, a description of the monitoring system operations is presented, together with summaries of quality assurance activities, including calibrations and performance audits. Tabular summaries of the data completeness achieved and the periods of missing data also are presented. Appendix A presents hourly meteorological data collected.

Figure 1. Monitoring Site Location



2.0 MONITORING SYSTEM OPERATIONS

The installation of the monitoring meteorological system equipment took place in April 2012, soon after the equipment was received from the manufacturers. The installation and calibration of the equipment required about two weeks to complete. All meteorological parameters were in full operation and producing valid data by April 30, 2012.

Jeff Bell of Bison Engineering, Inc. (Bison) conducted performance audits of the meteorological system at the site on December 17. All results were within the recommended tolerance limits. The Bison report of the audits is presented in Appendix B.

3.0 CALIBRATION DATA

Meteorological system calibration is performed:

- No later than 180 days after the most recent calibration that indicated the meteorological system response to be acceptable;
- After interruption of meteorological system operation for an extended period;
- Following any repairs which might affect meteorological system calibration;
- Following a physical relocation of the meteorological system; or
- After any other indication of significant inaccuracy of the meteorological system, such as failed system.

The wind, temperature and humidity instruments were audited on December 17, and those results were all within acceptance limits. However, the orientation of the wind direction sensor was adjusted slightly at the conclusion of the audit. Those results are shown in Appendix B.

4.0 PERFORMANCE AUDIT DATA

Jeff Bell of Bison conducted performance audits of the wind, temperature and humidity sensors at the site on December 17. All of the audit results were within the recommended tolerance limits. The audit results are presented in Appendix B.

The barometric pressure sensor also was checked, but a significant discrepancy was noted between the sensor response and the transfer standard. It was subsequently decided that the transfer standard's accuracy was suspect. The barometer will be rechecked during the next audit in the first quarter of 2014.

5.0 DATA COMPLETENESS

The meteorological percentages of data recovery achieved during the fourth quarter of 2013 are given in Tables 1 and 2. In these tables, the number of possible data values during each month of the quarter is given, together with the number of valid readings and the number of hours spent on quality assurance activities (such as calibrations, performance audits, and maintenance on the sensors). The quality assurance hours are added to the number of hours of valid data to compute the net percentage data recovery.

During the fourth quarter, the net data recovery for all parameters except precipitation was 91.9 percent. The loss of data was due to a power loss at the site at the start of the quarter.

For precipitation the net data recovery was 91.5 percent. Most of that data was lost due to the power loss referenced above. Additionally, ten hours of data in late December were invalidated because it was suspected that the precipitation gauge readings were being affected by blowing snow.

Table 1. Monthly Data Completeness

October 2013					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	566	76.1	0	76.1
Wind Direction	744	566	76.1	0	76.1
Standard Deviation	744	566	76.1	0	76.1
Temperature 9 Meters	744	566	76.1	0	76.1
Temperature 2 Meters	744	566	76.1	0	76.1
Temperature Delta T	744	566	76.1	0	76.1
Solar Radiation	744	566	76.1	0	76.1
Barometric Pressure	744	566	76.1	0	76.1
Relative Humidity	744	566	76.1	0	76.1
Precipitation	744	566	76.1	0	76.1
Total	7,440	5,660	76.1	0	76.1

Table 1. Monthly Data Completeness (Continued)

November 2013					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	720	720	100.0	0	100.0
Wind Direction	720	720	100.0	0	100.0
Standard Deviation	720	720	100.0	0	100.0
Temperature 9 Meters	720	720	100.0	0	100.0
Temperature 2 Meters	720	720	100.0	0	100.0
Temperature Delta T	720	720	100.0	0	100.0
Solar Radiation	720	720	100.0	0	100.0
Barometric Pressure	720	720	100.0	0	100.0
Relative Humidity	720	720	100.0	0	100.0
Precipitation	720	720	100.0	0	100.0
Total	7,200	7,200	100.0	0	100.0

Table 1. Monthly Data Completeness (Continued)

December 2013					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	741	99.6	3	100.0
Wind Direction	744	741	99.6	3	100.0
Standard Deviation	744	741	99.6	3	100.0
Temperature 9 Meters	744	741	99.6	3	100.0
Temperature 2 Meters	744	741	99.6	3	100.0
Temperature Delta T	744	741	99.6	3	100.0
Solar Radiation	744	741	99.6	3	100.0
Barometric Pressure	744	741	99.6	3	100.0
Relative Humidity	744	741	99.6	3	100.0
Precipitation	744	731	98.3	3	98.7
Total	7,440	7,400	99.5	30	99.9

Table 2. Quarterly Data Completeness

Fourth Quarter 2013					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	2,208	2,027	91.8	3	91.9
Wind Direction	2,208	2,027	91.8	3	91.9
Standard Deviation	2,208	2,027	91.8	3	91.9
Temperature 9 Meters	2,208	2,027	91.8	3	91.9
Temperature 2 Meters	2,208	2,027	91.8	3	91.9
Temperature Delta T	2,208	2,027	91.8	3	91.9
Solar Radiation	2,208	2,027	91.8	3	91.9
Barometric Pressure	2,208	2,027	91.8	3	91.9
Relative Humidity	2,208	2,027	91.8	3	91.9
Precipitation	2,208	2,017	91.4	3	91.5
Total	22,080	20,260	91.8	30	91.9

Table 3. Periods of Missing Data

Fourth Quarter 2013						
Starting Date/Hour	Ending Date/Hour	Site	Parameter	Total Hours	Percent of Quarter	Circumstance
October 1/1	October 8/11	Met Tower	All	178	8.06	Missing data: Power failure
December 24/10	December 24/19	Met Tower	Precip.	10	0.45	Readings affected by drifting snow

6.0 MONITORING DATA

The hourly data values collected at the monitoring sites are given in the data tables in Appendix A. Each of these tables presents one month's data for all parameters in the monitoring system. In addition, the average, maximum, and minimum values for each parameter for each day are listed (for wind direction, the prevailing wind direction for the day is given). For those hours with missing data, a code is given that explains the reason the data were missing. These codes are given in Table 4.

Monthly and quarterly wind rose distributions from the monitoring site are presented in Tables 5 through 8. These tables give the percentage frequency of occurrence of winds from 16 cardinal directions and from 22 wind speed ranges. These same data are presented graphically in Figures 2 through 5. In the wind rose figures, the length of each "petal" of the rose is proportional to the percentage of time the wind blew from that direction. On the bottom of each figure is a histogram showing the average wind speed from each of the cardinal wind directions.

Table 4. Missing Data Codes

Mnemonic Code	Description	Equivalent EPA Null Value Reason Code
Sc	Scheduled but not collected	9972
Ti	Sample time out of limits	9973
Fi	Filter damage	9976
Op	Voided by operator	9978
ND	Machine malfunction	9980
Wx	Bad weather	9981
Co	Collection error	9983
Lb	Lab error	9984
QA	Poor quality assurance results	9985
Pwr	Power failure	9988
Wi	Wildlife damage	9989
AZ	Automatic zero/span check	9991
ZS	Manual zero/span check	9986
Au	Performance audit	9992
Ma	Routine maintenance/repairs	9993
Ca	Multipoint calibration	9995
PZ	Precision/zero/span	9998

Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

October 2013																	
Direction>>>		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	2.1	1.4	3.5	1.8	4.6	4.4	3.2	1.9	0.5	0.4	0.4	0.5	0.4	0.5	1.4	2.1	29.2
	1.1 - 2.0	0.5	0.7	1.1	2.5	4.1	4.1	1.9	1.4	0.7	0.7	0.9	0.9	1.4	1.1	1.6	0.4	23.9
	2.1 - 3.0	0.4	0.4	0.2	1.1	1.2	1.2	0.9	0.7	0.7	0.0	0.7	0.2	0.7	1.4	0.7	0.9	11.3
	3.1 - 4.0	0.5	0.2	0.0	1.2	1.4	0.2	0.0	1.2	0.0	0.0	0.2	0.5	2.5	2.1	2.7	0.2	12.9
	4.1 - 5.0	0.2	0.0	0.9	0.7	0.2	0.0	0.4	1.4	0.0	0.0	0.0	0.4	2.3	2.8	0.4	0.4	9.9
	5.1 - 6.0	0.0	0.0	0.2	0.2	0.0	0.0	0.4	0.2	0.0	0.0	0.0	0.0	1.9	2.5	1.6	0.0	6.9
	6.1 - 7.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.9	0.9	0.0	3.4
	7.1 - 8.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.0	0.2	0.0	1.4
	8.1 - 9.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.7
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.5
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm																		0.0
Total		3.7	3.0	6.4	7.4	11.5	9.9	7.1	7.6	1.9	1.1	2.1	2.5	11.3	11.3	9.4	3.9	100.0
Average Speed		1.5	2.1	2.1	2.2	1.6	1.3	1.9	3.0	1.7	1.0	1.8	2.4	4.4	4.0	3.5	1.6	2.6

Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

November 2013																	
Direction>>>		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.4	2.2	3.2	1.9	1.7	2.1	2.9	1.4	0.8	0.0	0.8	0.6	0.4	1.3	1.3	1.3	23.2
	1.1 - 2.0	0.7	0.7	1.7	2.8	3.6	3.6	4.2	2.9	0.3	1.0	1.4	1.0	0.4	0.8	0.4	0.1	25.6
	2.1 - 3.0	0.0	0.0	0.1	0.7	2.1	2.8	0.1	0.3	1.3	0.6	0.8	1.7	2.6	2.1	0.4	0.1	15.7
	3.1 - 4.0	0.0	0.0	0.1	0.3	1.9	0.3	0.6	0.4	0.3	0.4	0.3	1.8	3.1	1.5	0.0	0.0	11.0
	4.1 - 5.0	0.0	0.0	0.0	0.1	0.3	0.0	0.1	0.1	0.3	0.4	0.0	0.3	3.2	1.9	0.0	0.0	6.8
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.1	0.3	0.3	0.7	3.3	0.3	0.1	0.0	5.6
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	3.6	0.7	0.0	0.0	5.7
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.5	0.0	0.1	0.0	2.8
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	1.7	0.0	0.0	0.0	2.5
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.1	0.0	0.0	0.8
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.3
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm																		0.0
Total		2.1	2.9	5.1	5.8	9.7	8.8	7.9	5.4	3.1	2.6	5.0	7.9	20.7	9.0	2.4	1.5	100.0
Average Speed		1.0	0.9	1.1	1.5	2.1	1.8	1.5	1.8	2.3	2.9	3.4	4.0	5.3	3.6	1.9	0.9	2.9

Table 7. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

December 2013																	
Direction>>>		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.9	2.3	2.4	1.6	2.6	2.7	2.3	2.0	0.5	0.3	0.4	0.9	0.0	0.5	0.7	1.8	22.9
	1.1 - 2.0	1.1	0.7	1.3	2.4	3.0	3.1	1.8	1.6	0.1	0.1	0.1	0.7	0.8	1.1	0.9	0.7	19.6
	2.1 - 3.0	0.4	0.0	0.3	1.6	1.9	1.1	0.5	0.0	0.1	0.0	0.0	1.3	1.5	2.3	1.3	0.1	12.6
	3.1 - 4.0	0.0	0.0	0.0	0.3	0.5	0.3	0.1	0.1	0.1	0.1	0.3	1.1	3.1	1.9	1.2	0.5	9.7
	4.1 - 5.0	0.0	0.0	0.0	0.5	0.1	0.0	0.0	0.0	0.1	0.4	0.3	1.2	4.0	3.0	1.9	0.3	11.9
	5.1 - 6.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.7	3.2	3.8	1.3	0.0	9.9
	6.1 - 7.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.6	1.5	0.5	0.0	6.6
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.0	0.7	0.1	0.3	3.8
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.9	0.0	0.0	2.0
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.5	0.0	0.0	0.7
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.4
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm																		0.0
Total		3.8	3.0	4.0	6.6	8.1	7.2	4.7	3.8	1.1	1.1	1.5	8.1	18.9	16.5	8.1	3.6	100.0
Average Speed		1.7	0.8	1.1	1.9	1.7	1.3	1.3	1.1	1.8	3.1	3.3	4.3	5.1	4.9	3.7	2.1	3.2

Table 8. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower

Fourth Quarter 2013																	
Direction>>>		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.8	2.0	3.0	1.8	2.8	3.0	2.8	1.8	0.6	0.2	0.5	0.7	0.2	0.8	1.1	1.7	24.8
	1.1 - 2.0	0.8	0.7	1.4	2.6	3.5	3.6	2.7	2.0	0.3	0.6	0.8	0.8	0.8	1.0	0.9	0.4	22.9
	2.1 - 3.0	0.2	0.1	0.2	1.1	1.8	1.7	0.5	0.3	0.7	0.2	0.5	1.1	1.7	2.0	0.8	0.3	13.3
	3.1 - 4.0	0.1	0.0	0.0	0.5	1.3	0.2	0.2	0.5	0.1	0.2	0.2	1.2	2.9	1.8	1.2	0.2	11.1
	4.1 - 5.0	0.0	0.0	0.2	0.4	0.2	0.0	0.1	0.4	0.1	0.3	0.1	0.6	3.3	2.6	0.8	0.2	9.5
	5.1 - 6.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.2	0.5	2.9	2.2	1.0	0.0	7.5
	6.1 - 7.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	2.9	1.0	0.4	0.0	5.4
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	1.5	0.2	0.1	0.1	2.8
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.8	0.3	0.0	0.0	1.8
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.7
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.2
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm																		0.0
Total		3.2	3.0	5.1	6.6	9.6	8.5	6.5	5.4	2.0	1.6	2.9	6.5	17.4	12.4	6.4	3.0	100.0
Average Speed		1.5	1.2	1.4	1.8	1.8	1.5	1.6	2.1	2.0	2.6	3.1	4.0	5.0	4.3	3.4	1.7	2.9

Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower

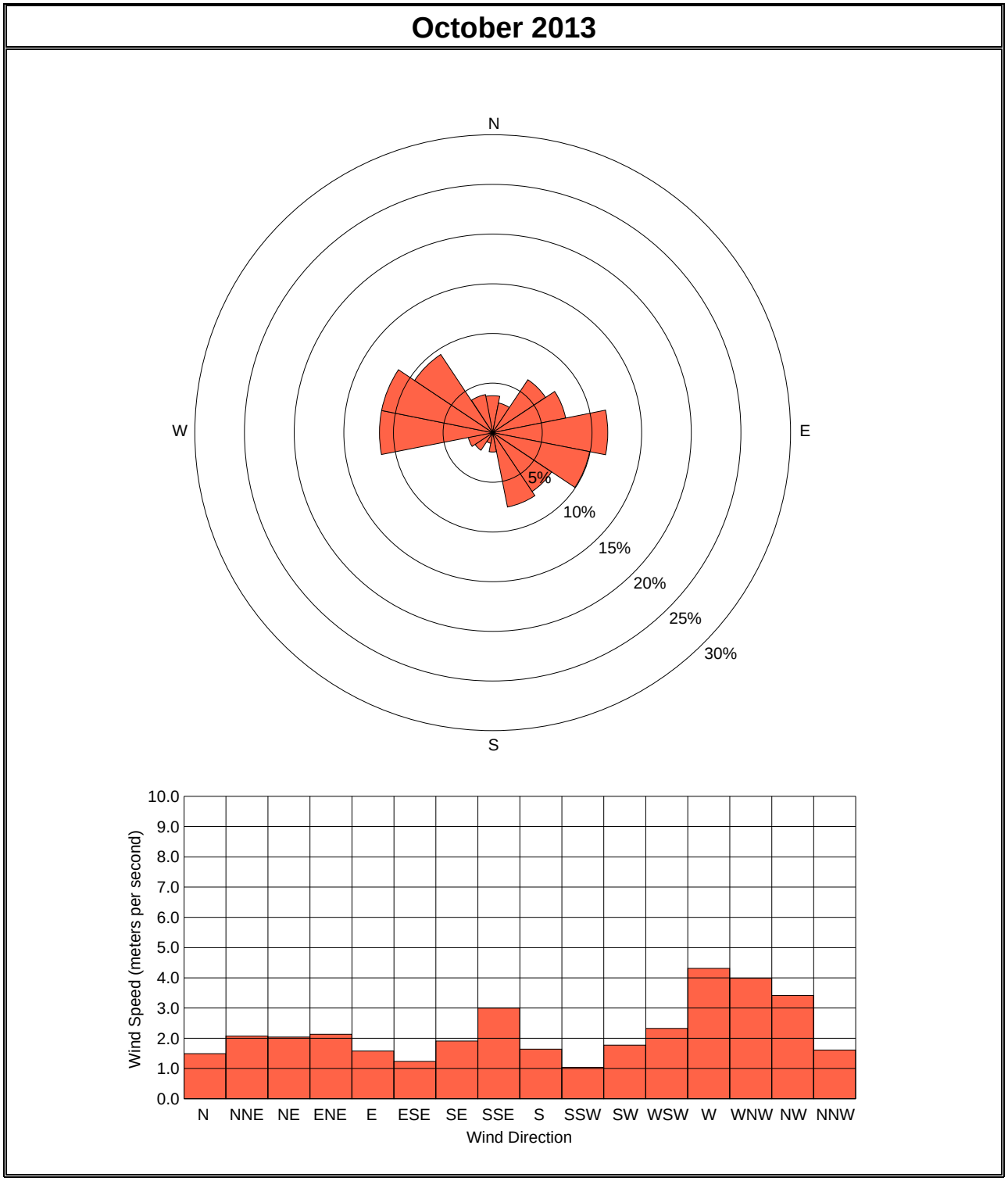


Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower

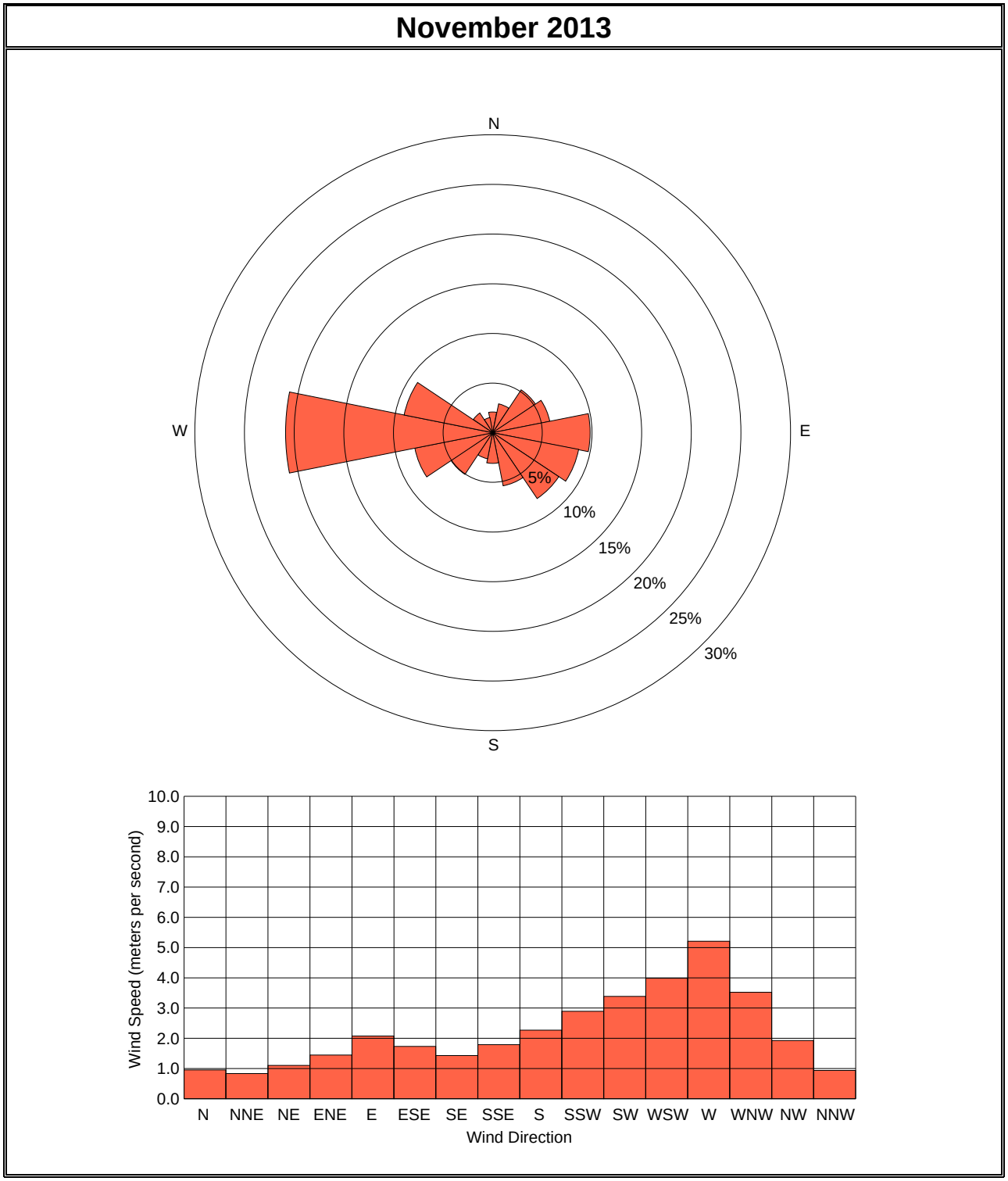


Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower

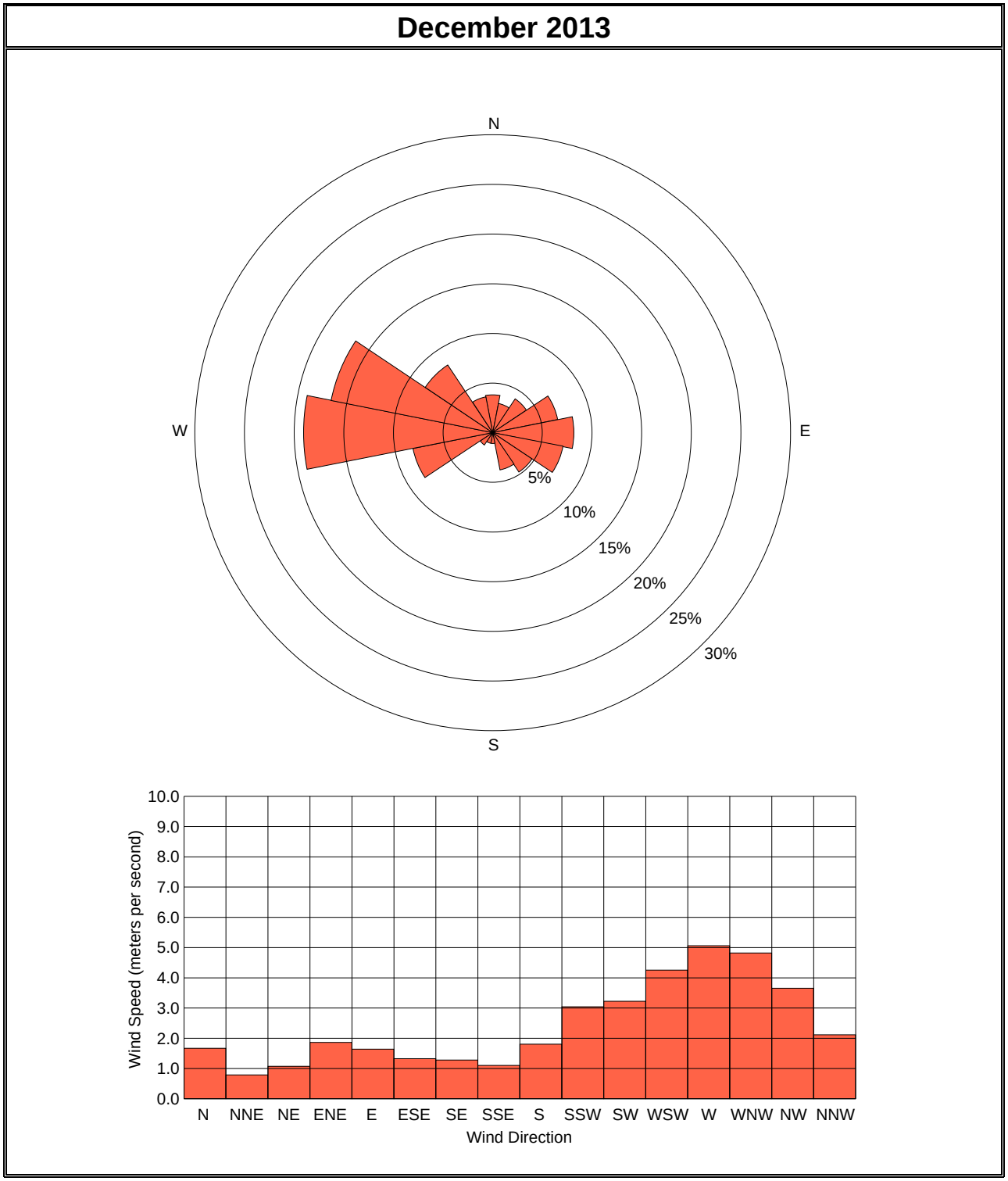
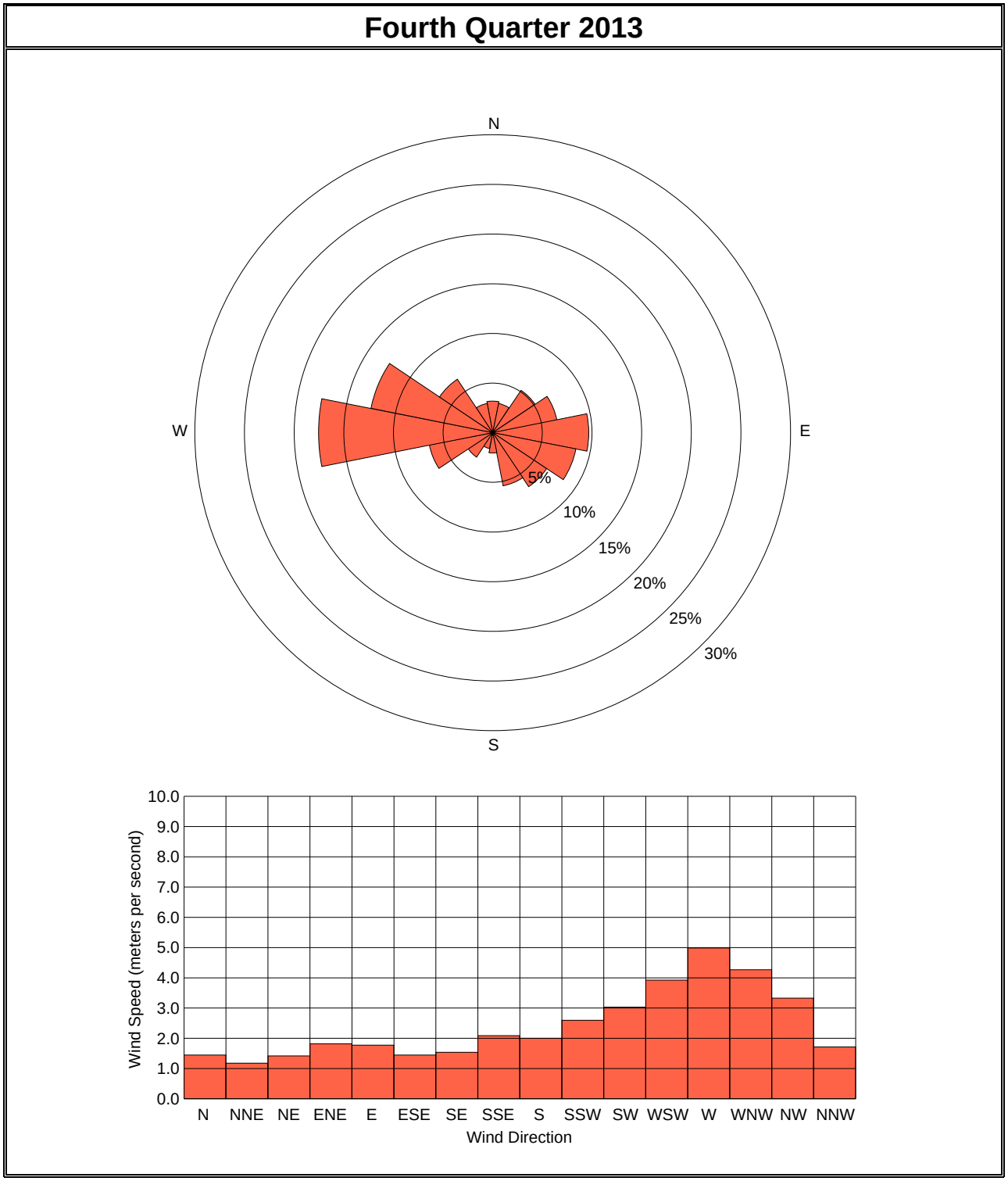


Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower



APPENDIX A: HOURLY AIR QUALITY AND METEOROLOGICAL DATA, FOURTH QUARTER 2013

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
October 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
2	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
3	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
4	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
5	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
6	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
7	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	6.0	6.8	6.5	5.8	4.7	5.1	4.6	3.7	1.6	2.3	1.9	1.8	0.7	0.8	3.7	6.8	0.7
9	0.7	1.0	0.6	0.5	0.8	0.5	0.5	0.9	0.7	3.7	7.5	8.7	9.2	9.1	8.5	7.4	5.8	5.4	2.6	1.4	1.3	2.1	3.0	1.4	3.5	9.2	0.5
10	1.0	1.3	1.2	0.9	1.1	1.0	0.9	0.7	0.5	0.6	3.9	4.3	5.0	4.7	5.2	5.4	6.2	5.8	3.8	3.6	2.3	3.7	2.6	1.1	2.8	6.2	0.5
11	0.6	0.7	1.0	1.0	0.6	0.8	2.1	3.5	3.5	3.3	5.8	6.6	7.0	5.8	5.2	4.4	3.7	2.5	1.8	1.5	1.1	1.2	0.8	0.9	2.7	7.0	0.6
12	1.1	0.6	0.7	0.9	0.6	1.0	0.6	0.3	0.7	0.8	4.8	4.5	3.0	3.1	2.6	3.6	5.6	4.6	1.6	1.1	1.9	1.7	1.5	0.8	2.0	5.6	0.3
13	0.6	1.1	0.9	1.3	0.9	0.8	0.7	0.4	0.5	1.0	1.8	2.3	2.1	4.6	2.5	1.9	4.1	3.0	2.7	1.3	3.1	1.8	0.7	1.6	1.7	4.6	0.4
14	2.2	2.7	1.6	3.2	2.8	3.7	2.9	1.1	1.2	1.5	1.5	1.3	1.9	2.1	2.9	2.5	2.7	2.1	1.8	1.4	1.3	1.2	1.0	0.9	2.0	3.7	0.9
15	1.3	1.3	1.0	1.1	0.6	0.6	0.7	0.8	0.8	0.6	1.9	3.7	3.8	3.4	3.1	3.4	3.1	2.2	2.3	3.2	1.7	1.3	1.6	0.9	1.8	3.8	0.6
16	1.2	1.1	0.7	0.6	0.6	0.7	0.6	0.6	0.6	0.9	4.1	5.5	4.7	4.8	5.7	5.4	5.1	3.6	3.2	1.8	1.3	1.1	1.1	1.1	2.3	5.7	0.6
17	1.3	1.3	1.6	0.7	0.7	0.6	0.6	0.6	0.4	0.4	0.4	1.7	4.6	6.2	6.8	5.2	5.9	7.4	5.5	5.8	5.3	3.7	3.9	4.3	3.1	7.4	0.4
18	5.0	4.7	1.7	1.1	0.7	0.7	0.4	0.4	0.4	0.5	1.2	2.8	3.6	4.9	5.2	5.0	4.3	1.4	1.7	1.8	1.5	1.0	0.9	1.2	2.2	5.2	0.4
19	1.2	1.1	0.9	0.8	1.1	0.6	0.6	0.9	1.0	1.3	3.2	6.2	5.5	5.7	7.6	7.0	6.4	4.4	3.1	3.9	4.2	3.8	2.7	2.6	3.2	7.6	0.6
20	2.4	1.8	3.3	3.6	1.6	3.1	1.6	1.0	1.5	3.2	3.4	3.6	3.1	3.5	4.9	5.1	4.0	1.7	3.6	3.0	1.4	0.8	0.9	0.7	2.6	5.1	0.7
21	0.9	0.8	0.7	0.5	0.8	0.8	0.7	0.8	0.7	0.8	1.6	4.7	5.8	6.4	6.7	6.5	5.9	3.2	1.6	4.1	3.2	2.2	1.2	1.1	2.6	6.7	0.5
22	0.7	1.4	1.2	1.4	1.4	1.0	1.1	0.5	0.7	0.7	3.3	4.5	4.2	4.8	4.5	4.9	3.9	1.4	2.7	3.7	2.5	1.7	1.1	0.8	2.3	4.9	0.5
23	1.2	0.4	0.4	0.8	0.5	0.6	0.9	0.7	0.5	0.5	0.7	3.0	4.0	3.9	4.0	3.8	3.3	1.9	2.8	2.2	1.5	1.6	1.4	0.9	1.7	4.0	0.4
24	0.9	0.7	0.8	0.7	0.4	0.4	0.5	0.4	0.3	0.6	0.6	2.9	3.8	2.2	1.8	1.7	1.8	2.2	3.6	4.1	3.3	2.6	1.9	0.7	1.6	4.1	0.3
25	1.0	0.7	0.6	0.7	0.7	1.0	1.1	0.7	0.8	0.4	1.7	4.7	5.9	5.9	6.4	5.3	3.1	1.4	2.1	3.5	2.7	2.3	1.9	1.0	2.3	6.4	0.4
26	1.0	0.8	1.0	0.9	1.0	0.9	0.7	1.1	0.5	0.5	2.7	4.7	4.8	5.4	7.1	7.1	3.7	2.3	2.5	2.1	1.7	1.2	1.2	1.4	2.3	7.1	0.5
27	1.3	1.6	1.6	1.6	1.5	0.9	0.7	0.7	0.6	0.7	0.9	2.4	2.9	4.0	6.8	8.4	4.0	3.3	4.3	3.5	3.9	6.5	7.9	4.3	3.1	8.4	0.6
28	6.2	5.6	5.0	4.7	4.6	3.8	2.7	4.6	5.3	4.6	4.0	4.5	3.7	3.9	3.9	3.9	3.1	2.5	2.4	4.1	4.2	4.5	4.1	4.2	4.2	6.2	2.4
29	3.7	4.4	4.2	3.9	3.1	2.2	2.1	3.0	1.9	2.6	2.8	2.1	2.0	1.6	1.6	1.2	1.0	0.8	1.6	1.9	1.5	1.5	0.9	1.7	2.2	4.4	0.8
30	1.4	1.0	0.9	0.8	1.2	1.0	0.9	0.7	0.9	1.1	4.4	4.5	4.7	5.1	5.2	5.1	4.0	2.9	1.8	1.2	1.2	0.9	1.4	1.2	2.2	5.2	0.7
31	1.1	1.1	1.8	2.9	1.3	1.2	2.9	2.3	2.3	1.9	4.4	8.1	9.3	7.8	6.4	5.8	4.1	5.1	6.3	5.3	4.4	1.8	1.7	1.0	3.8	9.3	1.0
Avg	1.7	1.6	1.5	1.5	1.2	1.2	1.2	1.2	1.1	1.4	3.0	4.3	4.6	4.8	5.0	4.8	4.1	3.1	2.8	2.8	2.4	2.2	1.9	1.5	2.6	6.0	0.6
Max	6.2	5.6	5.0	4.7	4.6	3.8	2.9	4.6	5.3	4.6	7.5	8.7	9.3	9.1	8.5	8.4	6.4	7.4	6.3	5.8	5.3	6.5	7.9	4.3	4.2	9.3	2.4
Min	0.6	0.4	0.4	0.5	0.4	0.4	0.4	0.3	0.3	0.4	0.4	1.3	1.9	1.6	1.6	1.2	1.0	0.8	1.6	1.1	1.1	0.8	0.7	0.7	1.6	3.7	0.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
November 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.9	0.6	0.7	0.6	1.4	0.7	1.1	0.9	1.2	2.7	7.0	8.8	8.5	8.9	8.7	7.1	5.1	2.4	1.6	1.9	1.5	1.2	1.2	1.1	3.2	8.9	0.6
2	1.6	1.0	1.3	1.2	1.7	1.8	1.5	1.4	2.2	2.0	3.7	4.7	5.1	4.9	4.3	6.6	5.8	4.1	5.0	6.2	1.6	1.4	2.9	6.3	3.3	6.6	1.0
3	6.9	6.2	5.5	3.8	2.8	4.6	5.6	6.1	8.8	6.8	7.7	7.8	7.4	6.7	6.9	5.4	5.4	4.6	3.9	2.4	2.9	1.8	1.6	0.8	5.1	8.8	0.8
4	0.8	1.2	0.8	0.6	1.0	1.0	0.2	0.2	0.2	0.2	0.9	2.0	3.7	3.3	4.0	3.9	3.1	1.8	2.1	1.6	0.9	0.9	0.5	0.9	1.5	4.0	0.2
5	0.4	0.8	1.0	0.9	1.0	1.6	1.1	3.2	4.3	5.3	5.5	6.0	6.9	7.6	6.4	5.2	4.7	4.2	2.6	1.0	1.0	0.9	1.2	0.9	3.1	7.6	0.4
6	0.7	0.4	0.6	0.7	1.2	2.8	2.9	1.6	1.0	1.5	7.0	8.9	9.4	8.8	8.2	7.0	5.4	4.5	2.1	2.0	3.0	1.8	2.0	1.3	3.5	9.4	0.4
7	0.8	0.7	0.9	1.0	0.8	0.8	0.5	1.4	1.7	2.6	4.2	3.3	3.3	4.3	5.7	5.3	3.5	2.4	5.5	5.6	3.7	2.9	5.3	7.2	3.1	7.2	0.5
8	5.0	5.3	5.4	5.8	5.3	6.8	7.1	5.8	6.6	6.6	7.1	6.9	6.2	6.4	5.2	4.7	4.6	5.5	4.7	4.0	3.5	5.2	4.8	5.0	5.6	7.1	3.5
9	4.4	2.5	2.2	3.3	2.4	1.8	3.7	2.3	2.6	1.6	1.9	4.0	3.4	1.7	2.4	2.1	2.0	3.1	2.9	2.8	3.4	3.2	2.6	2.5	2.7	4.4	1.6
10	0.8	0.8	0.9	0.7	0.6	1.1	0.6	0.7	0.4	0.6	0.9	1.2	0.9	0.9	2.5	2.8	1.0	1.3	1.4	1.2	0.7	0.9	1.0	1.3	1.0	2.8	0.4
11	0.7	0.9	1.5	2.7	1.0	0.5	0.9	0.5	0.8	0.7	0.4	0.8	0.6	0.7	0.9	1.2	1.7	2.1	2.3	2.0	1.9	1.5	1.7	1.5	1.2	2.7	0.4
12	1.5	1.8	1.7	1.5	1.8	1.8	2.0	3.3	3.6	4.7	3.7	3.3	3.3	2.4	2.3	1.5	3.1	4.5	3.2	2.7	2.1	1.7	1.6	1.1	2.5	4.7	1.1
13	1.2	2.1	2.9	4.3	2.7	3.4	6.0	4.2	2.5	7.0	10.1	10.0	9.2	12.1	9.1	10.2	9.6	7.3	8.5	4.0	2.1	3.8	4.1	2.9	5.8	12.1	1.2
14	1.2	2.1	2.2	3.9	6.7	6.1	4.9	5.2	3.8	3.3	2.9	4.3	3.9	3.7	3.3	2.8	1.7	1.4	1.5	2.0	1.3	1.8	2.3	3.0	3.1	6.7	1.2
15	1.3	1.1	2.1	3.3	5.7	6.6	6.3	7.2	7.3	8.2	7.7	8.4	8.2	8.1	7.3	5.2	4.9	1.4	2.6	3.5	2.7	4.3	4.1	4.4	5.1	8.4	1.1
16	5.2	3.1	2.7	1.3	2.0	2.7	2.8	2.3	2.7	2.9	3.8	2.6	3.5	3.6	6.5	3.6	1.8	5.4	4.6	2.5	1.2	1.1	0.9	0.9	2.9	6.5	0.9
17	2.1	1.4	2.1	2.1	2.1	1.9	2.3	1.0	1.5	4.7	3.8	7.5	8.8	8.8	9.2	8.9	7.1	6.1	1.6	0.8	2.3	2.4	1.0	1.0	3.8	9.2	0.8
18	2.3	1.5	1.5	1.6	2.1	2.0	1.1	1.5	1.7	1.4	1.3	3.4	2.5	3.5	3.8	4.3	2.9	1.9	4.7	3.5	3.0	2.3	2.5	2.3	2.4	4.7	1.1
19	4.5	2.8	1.2	7.0	6.9	5.4	6.5	7.2	7.2	6.0	8.5	8.5	7.4	7.0	5.6	6.8	7.5	4.4	6.1	7.4	6.8	3.4	2.9	2.4	5.8	8.5	1.2
20	1.2	1.2	1.0	1.2	1.1	1.3	5.2	3.3	4.0	4.0	4.0	4.4	5.0	4.2	2.9	2.4	2.2	1.5	0.9	1.1	1.1	1.2	0.7	1.0	2.3	5.2	0.7
21	0.7	0.6	0.5	0.7	0.8	1.0	1.1	0.6	0.7	0.8	0.8	2.5	2.7	1.9	3.1	2.1	1.9	3.3	3.7	2.0	1.4	1.6	1.3	1.4	1.5	3.7	0.5
22	1.0	1.1	1.4	0.9	1.3	1.3	0.6	0.8	0.8	0.7	0.3	2.2	3.0	2.7	2.4	2.3	1.5	3.0	3.8	3.3	3.4	4.0	3.2	2.7	2.0	4.0	0.3
23	2.4	2.0	1.7	1.4	1.3	1.7	1.3	1.2	0.9	0.6	0.6	0.7	0.8	1.2	1.2	1.0	2.1	2.5	2.5	1.8	1.5	1.2	0.9	1.1	1.4	2.5	0.6
24	1.3	1.0	0.8	0.9	0.7	0.9	1.2	0.7	0.9	0.8	0.8	0.7	1.0	2.9	3.4	2.6	1.4	2.1	2.2	1.6	0.8	1.3	1.0	1.3	1.3	3.4	0.7
25	1.6	1.0	1.0	1.3	0.7	1.4	1.3	1.0	0.7	0.6	0.5	1.2	4.4	5.1	5.3	3.8	1.6	1.6	2.1	1.6	1.6	1.7	1.0	1.5	1.8	5.3	0.5
26	1.6	1.4	1.6	0.8	1.1	1.3	1.1	1.4	1.3	0.5	0.5	0.6	1.7	2.6	4.0	3.1	2.3	3.4	2.6	2.2	1.2	1.2	1.1	0.7	1.6	4.0	0.5
27	0.7	1.2	0.5	0.6	0.9	0.8	1.0	1.0	0.9	0.9	0.6	1.0	3.3	4.8	2.3	0.9	2.5	3.0	2.2	1.2	1.0	1.0	0.5	0.8	1.4	4.8	0.5
28	0.9	0.4	0.8	0.8	0.6	0.7	0.5	0.7	0.5	0.5	0.3	0.4	0.6	3.7	3.4	2.0	1.0	3.1	2.1	1.9	1.7	1.5	1.4	1.6	1.3	3.7	0.3
29	1.5	1.5	1.3	1.3	1.3	1.4	1.2	1.3	0.9	0.8	1.0	4.0	6.9	6.7	6.6	5.0	2.5	1.8	3.4	1.4	2.9	3.7	2.2	0.9	2.6	6.9	0.8
30	1.2	3.1	4.6	4.6	4.4	3.7	5.0	1.8	2.6	4.4	3.9	5.6	6.2	6.7	3.4	1.0	2.0	1.8	2.6	5.6	6.3	7.0	5.9	4.6	4.1	7.0	1.0
Avg	1.9	1.7	1.7	2.0	2.1	2.3	2.6	2.3	2.5	2.8	3.4	4.2	4.6	4.9	4.7	4.0	3.4	3.2	3.2	2.7	2.3	2.3	2.1	2.1	2.9	6.0	0.8
Max	6.9	6.2	5.5	7.0	6.9	6.8	7.1	7.2	8.8	8.2	10.1	10.0	9.4	12.1	9.2	10.2	9.6	7.3	8.5	7.4	6.8	7.0	5.9	7.2	5.8	12.1	3.5
Min	0.4	0.4	0.5	0.6	0.6	0.5	0.2	0.2	0.2	0.2	0.3	0.4	0.6	0.7	0.9	0.9	1.0	1.3	0.9	0.8	0.7	0.9	0.5	0.7	1.0	2.5	0.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
December 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	6.0	5.4	4.0	1.2	1.5	2.1	3.3	2.5	4.2	5.0	5.5	5.9	4.3	3.4	5.5	4.2	5.8	7.2	6.2	4.8	5.6	6.0	4.2	2.1	4.4	7.2	1.2
2	1.6	1.2	0.7	1.1	2.0	3.4	2.7	2.3	6.0	3.6	3.6	4.9	3.4	5.2	6.0	4.3	4.1	3.0	5.9	6.8	6.8	6.3	5.6	5.8	4.0	6.8	0.7
3	5.3	4.6	4.9	5.1	4.8	4.7	4.2	4.0	4.7	4.9	5.2	3.8	3.9	5.5	6.3	7.5	7.2	4.9	6.5	7.4	5.7	3.9	4.7	3.9	5.2	7.5	3.8
4	3.0	3.6	4.9	4.4	4.4	4.6	5.1	4.7	4.6	3.4	3.1	4.4	6.1	6.1	6.7	5.4	5.5	2.9	1.0	0.4	1.8	2.3	1.2	0.9	3.8	6.7	0.4
5	0.8	1.0	0.6	0.6	0.5	0.8	0.7	0.7	0.6	0.3	0.2	0.2	0.2	1.7	3.3	2.9	2.9	1.3	0.8	0.8	1.1	1.3	1.3	1.3	1.1	3.3	0.2
6	1.2	2.3	1.7	2.0	2.2	1.4	1.6	0.7	1.4	0.6	0.6	0.7	2.4	3.4	3.5	3.0	2.4	1.2	1.3	0.8	0.8	1.0	0.6	0.6	1.6	3.5	0.6
7	0.7	1.3	0.9	0.9	1.0	0.7	0.5	0.6	0.8	0.5	0.4	0.5	0.7	0.9	2.2	2.6	2.1	1.0	0.9	0.8	0.8	0.4	0.6	0.9	0.9	2.6	0.4
8	1.0	0.9	1.5	1.0	1.2	1.0	1.0	1.4	0.9	0.9	1.4	2.5	2.6	4.1	4.1	2.5	2.3	0.7	0.6	1.1	1.8	1.2	1.9	1.4	1.6	4.1	0.6
9	2.4	1.8	1.3	1.3	2.3	3.3	1.5	2.1	2.7	3.6	5.2	5.7	5.4	6.1	5.8	4.5	7.1	6.0	6.6	6.0	5.6	1.0	2.5	5.3	4.0	7.1	1.0
10	4.6	6.1	5.1	5.6	5.7	6.4	4.5	7.0	5.9	5.0	4.7	5.4	7.0	5.2	3.8	4.4	2.8	2.2	1.4	1.6	1.0	0.6	1.3	0.8	4.1	7.0	0.6
11	0.7	0.8	0.9	1.1	1.3	1.4	1.1	1.6	1.3	1.2	1.6	2.6	6.0	5.5	4.6	2.7	1.7	1.8	1.5	1.4	1.1	0.9	0.6	0.7	1.8	6.0	0.6
12	0.9	1.2	1.2	2.6	2.2	3.1	1.7	1.5	0.9	1.2	0.8	0.4	1.5	1.0	1.0	1.1	2.3	2.6	4.3	2.2	2.2	2.0	2.9	2.2	1.8	4.3	0.4
13	2.4	1.9	1.8	3.7	2.3	1.5	2.6	4.4	4.3	5.0	4.9	7.6	6.9	5.9	6.6	7.2	4.9	3.4	2.6	1.8	1.1	1.7	0.7	0.8	3.6	7.6	0.7
14	2.2	4.3	4.1	3.7	4.3	4.8	3.1	3.2	1.6	4.0	7.3	7.6	5.9	7.1	6.0	5.6	4.6	3.2	4.7	6.8	7.0	4.2	6.4	6.3	4.9	7.6	1.6
15	9.5	6.5	10.3	9.8	6.6	8.4	6.3	3.1	2.3	5.0	8.1	8.1	7.2	3.8	6.0	7.9	9.8	8.6	7.3	7.1	5.4	7.0	5.2	4.9	6.8	10.3	2.3
16	5.4	3.8	3.5	7.1	8.2	4.5	5.0	4.3	6.7	5.7	5.2	6.9	5.6	6.2	4.5	5.2	6.4	6.0	4.1	4.9	5.8	5.9	3.1	1.5	5.2	8.2	1.5
17	1.9	2.3	2.5	2.1	2.1	1.4	1.1	1.2	1.8	1.2	1.5	Au	Au	Au	8.6	6.5	4.9	5.0	5.0	3.9	5.3	4.0	2.7	1.5	3.2	8.6	1.1
18	0.7	1.0	1.9	1.6	6.9	6.8	7.7	7.5	4.5	4.8	5.6	4.0	4.9	3.2	4.1	3.0	0.6	1.2	1.3	0.9	4.5	4.8	3.9	5.0	3.8	7.7	0.6
19	6.1	5.9	5.3	4.8	4.0	3.7	3.2	2.6	2.7	1.7	2.2	1.5	0.9	0.6	0.6	0.7	1.1	2.3	1.6	1.7	1.6	1.1	0.9	1.0	2.4	6.1	0.6
20	1.1	0.7	1.1	1.2	1.7	1.1	0.9	1.0	1.2	0.9	1.0	0.9	3.5	4.4	4.9	4.9	1.4	0.8	0.6	1.1	0.9	1.1	0.6	0.7	1.6	4.9	0.6
21	0.7	0.5	0.4	0.6	3.0	4.6	4.5	4.0	4.0	3.2	3.7	3.9	4.8	3.1	2.8	2.0	2.3	0.9	0.8	0.8	0.6	1.4	1.1	0.9	2.3	4.8	0.4
22	0.4	0.6	0.3	0.2	0.2	0.2	0.4	1.1	2.0	1.9	1.2	1.7	0.8	1.4	1.9	1.0	0.7	0.5	0.6	1.6	0.8	0.8	0.9	0.8	0.9	2.0	0.2
23	0.4	0.4	0.6	0.7	0.8	0.8	0.9	1.1	1.4	0.6	0.4	0.8	0.9	0.8	3.0	1.8	3.5	1.9	2.2	4.4	3.8	5.5	8.4	8.7	2.2	8.7	0.4
24	7.1	6.9	9.3	8.1	5.8	5.6	3.4	2.7	4.1	5.3	5.4	7.5	8.0	10.5	8.9	8.4	7.1	3.5	1.2	2.1	1.6	1.5	0.8	0.5	5.2	10.5	0.5
25	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.5	0.3	0.4	0.8	1.5	1.4	1.1	3.2	3.5	2.9	2.8	3.7	3.3	2.5	5.1	1.5	5.1	0.3
26	4.4	3.6	3.2	2.9	2.9	2.8	2.6	4.5	3.0	2.6	1.9	2.2	6.9	4.2	4.6	6.0	6.7	5.3	5.8	6.3	6.1	5.5	3.0	2.1	4.1	6.9	1.9
27	1.8	3.0	3.4	2.6	4.9	4.9	2.7	1.5	1.1	1.4	1.2	1.2	0.8	3.2	2.4	3.8	2.3	2.2	2.2	1.8	1.9	1.9	1.2	1.4	2.3	4.9	0.8
28	3.9	10.5	9.9	8.2	8.2	6.7	4.4	4.6	6.3	3.8	4.2	3.0	3.2	2.8	0.8	1.1	0.9	1.1	0.9	0.9	0.6	0.6	0.4	0.9	3.7	10.5	0.4
29	0.8	0.4	0.3	0.4	0.5	0.9	0.9	1.4	2.0	2.0	2.0	6.1	6.7	4.0	4.5	6.3	6.3	3.5	3.4	2.4	2.0	2.3	1.8	2.2	2.6	6.7	0.3
30	2.4	3.5	1.8	1.6	1.1	1.0	0.8	0.6	0.8	1.2	0.8	2.3	4.9	5.5	5.6	5.1	2.2	1.4	2.2	1.6	1.1	0.9	4.2	3.3	2.3	5.6	0.6
31	5.9	7.1	7.2	7.7	8.1	6.7	7.2	7.5	5.9	6.1	7.2	6.3	7.0	7.0	8.5	6.0	4.8	3.2	3.2	2.6	1.7	2.8	4.2	7.4	5.9	8.5	1.7
Avg	2.8	3.0	3.1	3.0	3.3	3.2	2.8	2.8	2.9	2.8	3.1	3.6	4.1	4.1	4.5	4.2	3.9	3.0	2.9	2.9	2.9	2.7	2.6	2.6	3.2	6.5	0.9
Max	9.5	10.5	10.3	9.8	8.2	8.4	7.7	7.5	6.7	6.1	8.1	8.1	8.0	10.5	8.9	8.4	9.8	8.6	7.3	7.4	7.0	7.0	8.4	8.7	6.8	10.5	3.8
Min	0.4	0.4	0.3	0.2	0.2	0.2	0.3	0.4	0.4	0.3	0.2	0.2	0.2	0.6	0.6	0.7	0.6	0.5	0.6	0.4	0.6	0.4	0.4	0.5	0.9	2.0	0.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
October 2013

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
2	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
3	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
4	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
5	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
6	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
7	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	293	269	260	290	289	271	278	285	221	125	106	94	57	105	268
9	160	119	334	34	163	198	342	121	119	159	149	151	150	149	146	139	134	143	112	98	122	112	84	90	128
10	84	62	72	94	154	100	123	58	101	38	320	294	283	288	277	284	307	304	308	298	281	292	324	202	329
11	160	335	120	124	336	252	293	290	300	300	315	325	326	324	317	277	268	248	148	116	120	114	93	80	304
12	129	89	133	145	112	124	39	93	85	325	156	138	158	148	140	153	155	136	105	115	160	177	165	158	132
13	88	100	79	93	88	286	227	104	180	321	255	180	292	327	226	226	9	11	28	354	326	317	157	311	338
14	300	321	311	322	289	315	342	15	170	293	226	233	238	114	234	32	355	333	40	137	85	90	12	111	331
15	71	106	84	119	126	169	112	157	306	347	292	269	281	267	220	260	274	275	109	87	118	124	135	84	143
16	100	118	50	33	40	15	17	41	347	36	287	285	282	273	281	288	288	289	304	267	262	249	220	213	311
17	309	165	143	132	233	9	122	145	281	246	339	292	283	294	312	310	304	307	314	322	321	313	303	280	295
18	286	315	259	105	115	109	296	61	304	329	6	287	294	283	266	253	253	197	118	83	92	115	75	103	319
19	109	92	82	78	61	100	115	105	22	94	315	286	290	284	276	280	275	290	62	73	345	321	307	318	9
20	335	323	325	317	310	320	298	250	302	273	279	293	307	304	280	287	314	183	79	79	72	58	118	3	315
21	124	148	142	96	38	110	39	211	18	87	352	295	274	293	308	285	276	257	154	78	77	72	86	105	74
22	70	24	82	40	85	46	64	87	318	359	276	260	280	289	285	279	282	274	95	79	67	50	73	57	23
23	43	126	354	83	6	129	124	159	332	176	107	288	265	258	252	264	291	285	94	44	74	71	86	56	64
24	54	35	140	126	4	84	140	112	260	318	352	140	155	225	281	256	279	132	92	80	83	75	86	35	90
25	93	89	56	90	49	50	23	50	131	9	309	276	284	282	280	292	280	200	95	80	67	72	123	114	53
26	101	117	121	118	141	126	71	125	9	356	287	269	262	259	260	259	275	172	104	102	82	138	122	153	135
27	111	108	99	60	119	166	113	153	163	301	49	327	276	327	18	28	20	9	37	7	8	46	56	63	51
28	52	68	54	53	54	61	87	60	52	52	62	72	64	73	94	95	109	102	129	154	168	159	159	162	88
29	166	161	168	165	167	156	149	158	158	172	181	230	179	144	130	261	312	329	69	74	12	58	348	90	150
30	50	358	354	13	96	60	23	46	342	318	297	287	280	285	270	261	265	286	268	96	132	100	109	104	350
31	142	51	309	275	254	84	83	58	346	64	273	270	266	273	284	281	295	271	271	290	305	339	335	308	304
Prev	91	81	76	84	84	94	69	100	347	345	303	271	270	279	269	273	290	268	89	79	74	79	87	93	43

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
November 2013

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	303	15	52	91	109	96	70	3	23	331	264	268	268	261	263	259	264	281	197	122	84	130	40	85	1
2	78	52	149	119	158	151	151	139	122	143	143	161	164	171	195	217	248	284	281	298	127	149	274	276	167
3	280	270	291	292	259	281	261	276	280	274	277	264	263	273	268	277	291	290	299	302	324	292	284	293	282
4	218	299	277	309	134	129	12	62	55	284	355	305	285	275	244	282	299	162	106	127	152	222	306	134	270
5	178	112	143	149	142	236	225	257	257	255	265	254	252	268	270	272	280	266	287	127	163	131	85	70	221
6	148	127	129	152	204	257	264	16	323	5	284	278	279	274	275	271	275	282	220	105	94	45	101	50	265
7	87	92	90	109	351	146	169	160	150	116	137	131	155	169	198	202	178	169	186	165	207	157	96	316	149
8	285	274	273	275	274	272	277	274	270	268	267	261	264	263	274	271	285	267	265	263	261	269	266	260	270
9	262	276	257	255	299	80	81	88	90	81	299	243	245	224	245	233	272	88	112	108	95	90	91	72	156
10	44	140	79	155	86	153	142	178	297	216	48	76	319	295	212	254	258	90	133	88	101	137	85	310	124
11	288	151	316	300	326	342	311	299	123	138	257	13	54	61	53	258	203	121	111	107	104	147	147	141	96
12	142	119	128	152	147	138	131	117	111	94	91	144	142	169	251	262	84	89	71	97	94	29	71	54	114
13	128	63	291	301	268	253	269	285	261	261	259	259	266	282	285	289	278	277	277	276	273	266	266	250	272
14	219	263	257	269	261	271	269	278	276	277	275	277	271	271	280	305	2	114	114	108	133	101	89	100	263
15	150	215	229	231	253	252	260	264	253	250	251	253	253	258	254	264	269	247	281	276	295	282	264	260	255
16	254	266	284	202	144	184	203	202	191	190	199	180	185	238	294	261	222	275	296	276	233	145	139	49	219
17	290	250	265	243	189	221	228	360	117	262	295	264	262	268	276	280	281	279	299	237	103	83	56	280	265
18	178	187	145	127	105	129	114	133	132	137	121	201	265	255	232	211	161	105	77	99	108	93	61	101	137
19	211	106	352	216	217	226	227	233	233	221	223	221	232	246	266	252	246	246	233	251	258	237	232	239	235
20	251	239	118	119	95	331	304	275	263	254	283	266	265	283	259	257	266	296	190	127	67	70	31	110	263
21	124	72	13	73	5	51	78	11	15	118	25	303	305	259	266	300	40	90	89	112	116	84	96	54	53
22	40	85	2	332	61	20	30	8	25	31	356	300	291	277	257	247	212	102	79	59	55	80	82	81	28
23	80	66	125	110	112	151	148	161	127	248	327	322	348	163	156	135	107	113	108	122	129	145	122	138	125
24	140	76	31	63	22	24	119	10	342	337	309	22	306	293	253	228	212	103	66	59	46	98	68	80	39
25	53	37	34	60	24	69	63	73	73	232	55	4	283	269	267	253	203	109	67	104	58	111	50	80	58
26	116	88	97	86	92	75	75	91	158	297	220	16	137	133	148	153	122	96	109	84	101	55	94	111	104
27	45	141	274	4	93	66	108	40	112	126	340	51	290	284	295	344	118	88	108	130	105	109	39	78	71
28	86	37	154	151	120	187	181	166	141	225	291	346	34	270	259	248	113	91	41	77	98	88	74	57	112
29	123	90	54	63	28	49	46	101	34	76	126	274	262	282	282	281	270	253	287	215	200	292	191	78	356
30	182	267	269	278	291	285	295	223	264	270	262	264	263	277	257	102	42	157	285	277	272	278	269	267	266
Prev	155	106	357	153	116	161	173	302	143	239	282	277	266	257	256	256	246	158	137	123	115	115	80	76	220

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
December 2013

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	282	276	295	218	278	122	225	171	207	222	216	206	201	208	217	240	257	269	271	269	262	255	264	354	242
2	89	17	254	158	242	288	291	286	285	280	266	267	281	288	293	303	284	282	264	303	309	294	305	323	287
3	324	319	316	317	321	315	313	324	321	320	324	318	328	7	357	334	333	327	323	320	325	301	296	310	323
4	319	328	307	302	319	306	314	312	330	338	346	316	304	301	311	304	294	286	238	287	88	70	41	53	320
5	41	145	31	81	105	98	101	127	157	68	58	221	13	270	252	295	304	302	184	257	195	23	289	356	55
6	89	77	78	85	84	79	73	13	63	329	91	2	258	260	267	257	253	30	112	64	39	83	21	39	51
7	54	66	52	91	55	24	355	324	104	1	45	20	336	326	279	272	255	241	126	119	92	31	10	6	25
8	27	341	60	1	4	352	352	6	349	13	35	300	299	264	276	299	294	324	5	86	248	26	61	47	351
9	83	53	75	9	34	308	348	55	11	326	305	299	295	298	300	291	277	274	291	282	267	20	292	276	323
10	282	284	294	294	299	281	276	279	288	289	289	284	293	316	298	294	289	264	273	152	169	180	150	158	274
11	164	167	155	88	97	127	80	107	100	88	360	285	288	272	306	316	160	114	104	98	76	59	2	346	89
12	152	164	154	82	306	75	143	123	122	110	111	100	114	40	32	75	105	68	77	72	65	86	122	145	100
13	111	109	158	267	256	1	282	283	275	274	271	272	269	261	268	275	273	262	261	288	306	46	342	336	281
14	259	278	271	254	266	259	272	309	337	302	286	273	285	285	273	266	253	276	276	266	269	275	261	274	276
15	282	276	289	283	288	288	274	272	272	268	258	257	272	303	266	267	255	252	239	249	256	252	254	265	268
16	286	267	267	260	255	260	268	278	250	261	261	276	284	289	285	279	268	283	300	296	289	290	314	38	279
17	119	92	89	70	88	64	114	76	142	48	73	Au	Au	Au	237	240	252	245	233	241	234	254	254	284	164
18	138	149	98	280	260	263	272	278	271	286	281	291	284	301	300	301	226	153	125	198	184	253	257	254	253
19	282	281	282	274	266	274	270	255	261	251	259	241	67	113	5	92	123	94	359	35	69	123	37	59	309
20	139	103	112	104	146	127	32	46	110	120	129	53	256	278	285	288	158	145	122	113	112	80	130	156	119
21	42	256	252	333	292	285	290	280	283	287	269	275	280	318	327	298	306	159	334	147	79	82	53	93	302
22	357	97	72	348	78	122	290	307	317	296	318	290	52	310	272	123	343	328	32	89	56	64	90	135	16
23	106	198	137	360	117	333	154	70	27	128	151	97	334	31	295	241	169	149	119	205	217	291	294	287	148
24	290	280	284	288	292	282	270	290	266	259	266	263	276	265	267	275	278	297	113	67	53	108	72	49	286
25	64	49	13	119	167	34	23	86	91	127	105	104	168	112	133	334	109	110	84	105	95	63	360	78	87
26	77	83	93	84	105	75	69	82	79	79	74	68	278	267	276	271	271	274	283	281	279	284	258	125	36
27	85	82	80	64	77	73	63	95	148	132	137	295	86	149	88	137	127	116	134	133	133	131	109	121	109
28	269	283	284	288	298	349	317	253	287	250	269	268	283	311	96	74	298	147	119	87	177	136	322	145	277
29	131	216	251	78	117	143	127	103	65	68	320	277	264	271	257	277	274	296	298	318	337	322	338	305	295
30	304	326	353	101	316	135	159	110	23	120	315	268	270	268	268	255	253	82	90	99	191	293	242	254	271
31	271	261	283	276	282	271	255	246	260	248	244	250	263	270	279	283	288	271	264	261	263	256	296	285	268
Prev	45	305	343	357	310	346	307	331	318	305	300	284	288	290	286	283	264	264	248	203	217	14	327	360	299

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
October 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
2	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
3	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
4	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
5	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
6	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
7	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	13	19	18	17	15	29	18	35	78	31	32	39	74	84	36	84	13
9	56	87	98	89	78	87	92	49	92	75	11	10	10	9	8	11	11	11	73	46	32	17	22	39	46	98	8
10	62	34	54	68	62	85	40	102	79	52	25	25	16	22	17	23	12	7	10	22	31	18	29	83	41	102	7
11	53	86	73	42	68	87	24	15	13	17	14	9	9	12	12	20	17	27	13	32	60	40	69	63	36	87	9
12	69	92	50	34	90	53	66	58	83	27	39	16	33	26	20	11	6	31	35	52	28	33	91	94	47	94	6
13	86	44	53	40	57	67	99	86	84	30	65	43	47	7	68	95	15	17	19	92	20	34	54	12	51	99	7
14	12	9	26	11	11	14	30	56	43	28	57	16	44	44	30	62	21	56	84	86	50	51	68	73	41	86	9
15	27	24	34	27	68	41	58	76	62	54	83	18	23	25	23	20	19	33	19	12	26	25	27	56	37	83	12
16	41	26	48	56	69	66	58	81	74	98	12	15	10	12	10	10	9	8	10	31	41	40	81	90	42	98	8
17	66	20	43	48	57	52	39	80	45	69	80	35	11	16	11	14	9	8	8	10	9	14	10	9	32	80	8
18	14	8	36	91	63	67	91	87	103	59	29	33	23	10	19	13	16	42	32	19	55	39	41	58	44	103	8
19	59	52	79	77	59	61	91	78	94	81	61	11	13	13	10	10	8	11	40	18	27	9	12	19	41	94	8
20	24	41	10	9	19	11	84	41	19	22	15	22	39	29	22	21	20	83	17	11	29	78	49	90	34	90	9
21	30	42	89	80	74	71	75	100	73	53	75	17	15	13	10	18	10	11	72	10	11	19	31	58	44	100	10
22	53	44	66	62	29	78	62	77	90	60	31	20	21	21	17	14	8	53	22	9	15	30	54	28	40	90	8
23	82	98	43	78	69	81	70	52	92	84	79	45	22	23	20	17	14	47	19	34	68	24	32	24	51	98	14
24	21	46	46	28	72	85	75	59	88	64	75	28	24	57	38	48	21	39	21	9	11	15	23	54	44	88	9
25	48	70	75	65	71	65	76	69	54	79	44	15	10	11	10	10	30	69	27	11	19	28	22	40	42	79	10
26	64	52	32	29	29	75	60	49	37	53	45	21	17	14	13	10	17	63	41	33	40	56	63	67	41	75	10
27	75	61	65	59	30	53	69	71	57	46	51	52	31	75	12	11	49	50	21	48	33	10	9	13	44	75	9
28	11	14	10	10	11	17	20	12	9	9	13	12	14	15	13	15	13	12	30	8	8	8	7	8	12	30	7
29	7	8	8	7	10	9	8	9	19	15	21	36	33	48	51	92	78	43	41	42	38	33	40	54	31	92	7
30	48	40	39	48	77	71	78	64	37	47	11	15	17	14	16	13	16	15	73	73	64	61	30	70	43	78	11
31	78	93	71	18	51	51	25	55	25	31	57	12	10	10	12	12	18	10	10	13	22	11	19	83	33	93	10
Avg	47	47	50	47	53	59	60	62	60	50	42	23	21	23	20	25	19	33	34	31	32	31	40	53	40	87	9
Max	86	98	98	91	90	87	99	102	103	98	83	52	47	75	68	95	78	83	84	92	68	78	91	94	51	103	14
Min	7	8	8	7	10	9	8	9	9	9	11	9	9	7	8	10	6	7	8	8	8	8	7	8	12	30	6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
November 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	35	47	30	45	32	54	52	55	36	58	14	13	15	12	10	10	14	50	91	28	61	35	69	75	39	91	10
2	76	82	26	61	29	25	42	79	23	19	19	15	16	31	40	20	10	13	12	26	87	43	33	11	35	87	10
3	12	10	17	18	14	27	13	16	11	15	12	11	11	12	12	13	11	9	15	14	8	95	46	71	21	95	8
4	58	77	49	45	94	54	94	49	71	57	29	45	19	18	28	55	21	30	24	28	47	71	102	59	51	102	18
5	53	41	51	49	78	58	40	17	14	14	16	18	16	15	16	14	13	12	25	44	22	24	12	27	29	78	12
6	18	70	66	75	63	10	15	52	88	52	13	8	10	10	10	9	9	14	28	28	36	31	28	42	33	88	8
7	62	47	62	87	77	74	97	32	19	24	10	15	18	18	12	8	15	17	12	11	20	45	62	24	36	97	8
8	17	15	11	10	13	10	11	12	12	11	11	12	12	12	14	15	17	14	13	10	8	9	10	9	12	17	8
9	8	14	35	9	46	36	12	29	22	25	75	16	26	60	20	18	89	20	24	18	18	15	15	33	28	89	8
10	63	82	70	67	77	24	53	60	84	73	86	86	28	68	57	15	91	81	48	46	58	42	90	17	61	91	15
11	55	42	23	19	58	48	38	49	61	54	82	71	74	48	59	76	51	26	20	22	28	18	14	20	44	82	14
12	20	22	18	15	16	18	18	17	18	14	10	12	12	22	35	63	20	19	20	23	35	25	40	67	24	67	10
13	32	31	65	16	43	28	8	22	42	13	10	10	17	14	13	12	10	14	10	46	78	14	9	24	24	78	8
14	53	22	38	18	8	9	11	9	15	19	18	16	15	16	14	16	48	31	33	33	53	42	27	16	24	53	8
15	67	70	28	18	10	11	13	13	13	10	11	13	13	15	15	15	17	77	33	13	22	23	14	12	23	77	10
16	15	17	17	49	11	25	16	25	19	21	9	21	26	26	24	27	57	12	10	38	50	30	25	42	26	57	9
17	29	73	24	74	26	30	11	62	88	11	21	11	10	12	12	10	12	18	56	73	55	31	92	57	37	92	10
18	44	76	55	60	45	48	82	33	46	80	67	23	34	18	17	12	36	36	22	15	23	38	39	66	42	82	12
19	28	25	100	10	9	13	9	9	10	14	11	10	10	14	11	11	11	12	8	9	11	11	18	24	17	100	8
20	54	85	69	33	40	93	13	32	23	13	17	19	18	18	17	21	9	66	76	14	38	32	55	49	38	93	9
21	72	64	70	67	90	78	57	61	77	54	75	24	22	34	15	19	62	16	8	24	29	46	40	56	48	90	8
22	71	69	66	68	45	40	45	58	41	67	89	45	16	24	27	11	55	18	17	24	24	15	27	21	41	89	11
23	33	40	26	41	32	16	37	38	69	76	37	69	83	44	48	61	23	15	28	33	26	41	58	38	42	83	15
24	39	55	74	59	58	71	76	90	68	83	71	66	66	23	11	19	56	27	26	30	69	70	77	50	56	90	11
25	44	49	66	24	40	26	23	33	56	67	56	79	11	13	10	9	72	38	29	16	36	20	47	35	37	79	9
26	24	36	25	77	34	52	41	41	21	67	55	85	30	23	7	7	23	13	20	25	35	43	41	36	36	85	7
27	55	22	92	66	58	72	41	63	95	42	78	59	29	12	16	66	36	16	29	37	24	35	26	44	46	95	12
28	38	74	60	48	72	45	44	50	48	58	80	37	85	35	16	40	74	24	35	28	25	57	57	69	50	85	16
29	72	68	61	60	61	42	50	32	40	84	82	83	14	11	9	13	38	34	31	35	89	34	74	48	49	89	9
30	87	14	12	11	12	14	14	61	36	15	16	19	20	15	34	47	87	57	46	10	11	10	11	10	28	87	10
Avg	44	48	47	43	43	38	36	40	42	40	39	34	26	23	21	24	36	28	28	27	38	35	42	38	36	83	10
Max	87	85	100	87	94	93	97	90	95	84	89	86	85	68	59	76	91	81	91	73	89	95	102	75	61	102	18
Min	8	10	11	9	8	9	8	9	10	10	9	8	10	10	7	7	9	9	8	9	8	9	9	9	12	17	7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
December 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	14	10	16	76	63	37	35	28	36	12	14	12	11	16	10	15	9	10	10	11	13	15	16	53	23	76	9
2	46	62	69	25	73	12	25	88	10	12	17	12	28	25	17	14	20	26	12	13	8	11	10	10	27	88	8
3	10	8	9	9	9	8	8	11	10	8	8	12	21	16	16	9	8	10	5	5	11	25	6	12	11	25	5
4	12	8	7	9	8	7	7	6	12	14	16	11	9	9	11	12	8	19	55	79	14	29	30	50	18	79	6
5	33	44	48	54	98	38	62	33	81	57	67	84	65	21	8	23	9	87	58	89	50	45	80	71	54	98	8
6	38	11	31	19	26	27	17	42	15	41	62	72	18	6	13	10	9	73	29	35	30	36	61	29	31	73	6
7	27	27	21	30	46	67	46	51	50	43	94	33	23	25	17	13	22	71	63	49	65	40	44	76	43	94	13
8	48	43	57	45	55	34	47	39	36	38	27	39	14	11	8	11	12	79	32	77	28	59	15	40	37	79	8
9	29	57	62	53	50	20	64	17	48	27	17	16	15	15	14	16	12	14	12	12	20	80	29	12	30	80	12
10	13	14	13	12	12	10	12	9	10	11	11	10	12	7	17	8	21	19	44	30	55	60	41	67	22	67	7
11	70	65	67	66	45	36	62	44	47	47	44	48	9	11	16	41	56	35	46	44	68	75	78	93	51	93	9
12	83	59	86	57	56	77	37	38	73	58	41	41	75	87	55	63	35	46	15	22	49	78	59	69	57	87	15
13	42	55	65	65	41	41	43	13	13	11	12	10	10	8	9	8	10	11	26	34	53	31	64	74	31	74	8
14	47	10	11	13	9	8	16	40	76	20	12	12	12	11	15	15	13	18	17	9	11	18	14	19	19	76	8
15	10	12	9	10	16	11	12	23	36	11	9	8	14	28	18	13	10	13	7	8	11	10	10	16	14	36	7
16	11	18	22	10	14	13	14	16	9	11	14	12	14	14	17	15	9	16	15	22	11	17	19	69	17	69	9
17	33	36	42	47	53	71	78	75	63	92	60	Au	Au	Au	8	9	11	11	12	10	18	21	14	51	39	92	8
18	95	48	55	77	8	6	9	10	33	16	12	21	10	13	10	27	71	28	59	86	37	10	18	6	32	95	6
19	15	11	13	18	13	19	29	17	16	23	28	55	74	69	93	84	86	24	32	38	37	67	52	65	41	93	11
20	89	95	65	83	83	90	92	69	83	88	64	91	17	14	12	13	69	24	32	33	42	17	68	56	58	95	12
21	86	63	76	99	14	9	8	7	7	9	12	10	7	12	7	26	21	45	52	77	52	37	22	42	33	99	7
22	45	81	61	28	79	53	100	29	9	34	55	31	75	31	65	34	58	62	54	26	45	33	74	61	51	100	9
23	96	98	88	90	99	94	84	73	59	61	77	67	41	81	22	64	29	60	28	11	15	17	11	13	57	99	11
24	13	12	9	9	8	10	18	18	14	11	13	10	11	9	8	9	8	17	56	26	45	46	76	75	22	76	8
25	67	94	82	76	74	86	78	73	89	94	76	90	85	100	90	85	37	76	39	39	17	26	51	9	68	100	9
26	21	25	33	39	30	15	43	24	53	47	32	28	21	21	17	12	9	13	14	15	12	14	50	41	26	53	9
27	51	28	14	37	12	35	33	45	77	56	74	93	92	21	23	10	59	41	25	40	35	46	63	62	45	93	10
28	53	10	10	18	14	15	22	27	17	41	18	35	38	53	74	46	79	30	48	42	55	62	53	58	38	79	10
29	45	82	88	69	63	90	73	55	44	34	56	14	11	24	15	16	10	20	14	25	20	13	25	12	38	90	10
30	15	7	32	46	104	35	55	59	84	45	98	46	13	12	11	11	19	43	42	29	38	93	15	16	40	104	7
31	18	11	10	10	10	11	14	10	8	9	9	9	12	12	8	8	11	14	9	8	23	13	19	10	12	23	8
Avg	41	39	41	42	41	35	40	35	39	35	37	34	29	26	23	24	27	34	31	34	32	37	38	43	35	80	9
Max	96	98	88	99	104	94	100	88	89	94	98	93	92	100	93	85	86	87	63	89	68	93	80	93	68	104	15
Min	10	7	7	9	8	6	7	6	7	8	8	8	7	6	7	8	8	10	5	5	8	10	6	6	11	23	5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
October 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
2	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
3	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
4	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
5	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
6	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
7	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	5.4	6.7	6.5	6.6	6.0	6.5	6.0	5.1	2.5	-0.5	-2.3	-3.4	-5.2	-5.2	2.5	6.7	-5.2
9	-5.3	-5.4	-6.0	-5.9	-6.0	-6.4	-6.6	-5.4	-0.7	4.5	6.3	6.9	7.4	7.8	8.0	8.1	7.5	6.0	4.6	4.0	2.5	2.5	1.2	-0.7	1.2	8.1	-6.6
10	-2.3	-2.7	-3.5	-4.3	-4.4	-4.7	-4.9	-4.9	-0.9	5.0	8.3	9.5	9.7	10.1	10.8	10.7	9.3	8.1	6.9	5.1	2.9	2.8	1.9	0.4	2.9	10.8	-4.9
11	-0.4	-1.1	-0.9	-0.6	-0.8	-0.3	0.4	0.0	0.6	1.0	1.7	2.3	2.7	3.4	4.0	5.0	4.6	3.4	-0.3	-2.2	-3.6	-5.5	-5.8	-7.4	0.0	5.0	-7.4
12	-7.4	-8.2	-8.4	-8.7	-8.9	-8.0	-8.3	-7.6	-5.4	0.5	3.2	4.6	5.4	5.9	5.9	5.7	5.0	4.1	3.2	2.7	2.7	1.9	-0.2	-1.8	-0.9	5.9	-8.9
13	-2.4	-2.5	-3.3	-2.9	-3.2	-3.6	-4.0	-4.2	-1.8	1.8	5.1	6.4	6.7	5.7	4.7	3.9	4.0	3.6	3.1	2.7	2.1	1.5	0.9	0.8	1.0	6.7	-4.2
14	0.4	0.5	0.6	0.8	0.1	0.1	0.0	0.0	0.2	1.1	1.6	1.3	2.0	2.4	2.7	2.8	2.2	2.1	1.3	0.5	-0.8	-2.4	-4.3	-4.8	0.4	2.8	-4.8
15	-6.0	-6.9	-7.5	-8.2	-9.2	-9.3	-10.2	-9.4	-5.9	-1.4	1.3	2.6	3.5	4.6	5.3	5.7	5.6	3.7	-1.0	-2.1	-3.9	-5.0	-6.0	-6.8	-2.8	5.7	-10.2
16	-7.2	-7.5	-7.7	-8.0	-8.3	-8.5	-8.5	-7.6	-5.0	-1.1	3.1	3.0	0.4	0.3	0.6	0.8	0.4	-0.2	-0.5	-1.1	-1.7	-2.2	-2.5	-2.2	-3.0	3.1	-8.5
17	-2.5	-3.7	-4.2	-4.0	-3.9	-4.1	-4.3	-4.1	-3.5	-2.7	-1.8	-0.7	0.6	1.2	1.0	0.2	0.0	-0.1	-0.8	-0.8	-0.5	-0.9	-1.0	-0.6	-1.7	1.2	-4.3
18	-0.7	-1.6	-3.4	-4.8	-6.2	-8.0	-9.2	-10.3	-8.1	-5.1	-1.3	2.0	3.6	4.9	6.0	6.5	6.3	4.7	0.6	-1.2	-2.1	-2.9	-3.7	-4.4	-1.6	6.5	-10.3
19	-4.8	-5.4	-5.5	-6.1	-6.0	-6.3	-6.0	-5.9	-4.1	0.7	5.1	6.2	7.4	8.3	9.0	9.6	9.2	7.7	4.3	2.1	4.8	3.9	3.2	2.7	1.4	9.6	-6.3
20	1.3	0.5	0.8	0.7	0.5	0.7	0.4	0.8	1.7	2.5	3.1	4.0	4.9	6.1	7.0	7.6	7.1	5.2	0.8	-0.3	-1.2	-1.6	-1.6	-2.2	2.0	7.6	-2.2
21	-2.5	-3.4	-4.1	-4.3	-4.8	-5.3	-4.9	-4.5	-2.3	1.3	5.7	7.8	9.6	10.2	10.8	11.3	10.7	8.5	5.9	2.7	1.1	0.0	-1.5	-2.1	1.9	11.3	-5.3
22	-3.0	-2.3	-2.7	-2.7	-2.6	-3.4	-3.9	-3.8	-1.5	3.7	8.8	10.3	11.6	12.5	13.2	13.7	13.1	10.3	5.1	2.7	1.2	-0.3	-1.3	-2.1	3.2	13.7	-3.9
23	-2.3	-3.0	-3.8	-3.8	-4.7	-4.8	-4.7	-5.1	-2.3	3.1	8.2	10.5	11.1	11.8	12.3	12.3	11.3	8.4	5.0	2.6	1.1	0.2	-0.8	-2.1	2.5	12.3	-5.1
24	-2.5	-3.6	-3.5	-4.4	-5.1	-4.7	-5.2	-5.0	-2.8	2.0	6.8	10.5	11.9	12.6	12.9	13.2	12.1	7.7	4.0	2.8	1.4	0.5	-0.9	-2.2	2.4	13.2	-5.2
25	-2.1	-3.1	-3.0	-3.2	-3.6	-4.1	-3.6	-4.0	-1.3	3.9	10.1	12.4	12.8	13.5	13.4	13.3	11.3	8.8	3.5	2.4	1.3	0.1	-1.4	-2.7	3.1	13.5	-4.1
26	-3.9	-3.7	-3.8	-4.6	-4.9	-5.6	-5.5	-5.5	-1.0	1.6	8.5	10.5	12.0	13.3	13.9	13.7	12.7	8.7	2.4	-0.3	-1.6	-2.8	-4.0	-4.5	1.9	13.9	-5.6
27	-5.1	-5.0	-4.9	-5.3	-5.7	-6.3	-6.8	-6.7	-5.1	-0.2	6.6	9.9	10.9	11.0	10.3	7.1	4.7	2.4	1.1	0.2	-0.5	-0.6	-1.3	-1.6	0.4	11.0	-6.8
28	-2.1	-2.5	-2.9	-3.4	-3.6	-4.2	-4.4	-5.0	-5.6	-5.9	-5.6	-5.8	-5.6	-5.0	-5.1	-5.6	-6.4	-7.0	-7.4	-8.0	-8.3	-8.7	-8.9	-8.9	-5.7	-2.1	-8.9
29	-8.9	-8.9	-9.0	-9.0	-8.8	-8.5	-8.4	-8.2	-7.8	-7.0	-6.4	-5.7	-5.3	-4.8	-3.3	-2.4	-2.1	-3.6	-5.4	-6.4	-7.1	-7.5	-8.8	-8.8	-6.8	-2.1	-9.0
30	-9.4	-9.3	-9.3	-9.4	-9.7	-10.5	-10.9	-10.4	-8.0	-2.7	-0.2	0.8	1.6	2.5	3.2	3.4	2.7	1.3	0.4	-1.0	-2.0	-4.2	-4.3	-4.8	-3.8	3.4	-10.9
31	-3.5	-1.6	-0.8	-0.6	-0.8	-0.9	-3.3	-2.8	-1.8	-0.3	2.0	3.0	2.7	3.0	3.6	3.8	2.7	2.6	1.9	1.2	1.1	0.9	1.0	0.9	0.6	3.8	-3.5
Avg	-3.6	-3.9	-4.2	-4.5	-4.8	-5.1	-5.3	-5.2	-3.1	0.3	3.6	5.0	5.6	6.2	6.5	6.5	5.8	4.2	1.7	0.3	-0.6	-1.4	-2.3	-3.0	0.0	7.2	-6.3
Max	1.3	0.5	0.8	0.8	0.5	0.7	0.4	0.8	1.7	5.0	10.1	12.4	12.8	13.5	13.9	13.7	13.1	10.3	6.9	5.1	4.8	3.9	3.2	2.7	3.2	13.9	-2.2
Min	-9.4	-9.3	-9.3	-9.4	-9.7	-10.5	-10.9	-10.4	-8.1	-7.0	-6.4	-5.8	-5.6	-5.0	-5.1	-5.6	-6.4	-7.0	-7.4	-8.0	-8.3	-8.7	-8.9	-8.9	-6.8	-2.1	-10.9

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
November 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.2	-0.4	-0.6	-0.6	-2.7	-3.6	-4.1	-4.7	-3.0	0.7	3.1	4.1	4.6	5.3	5.4	5.3	4.7	2.8	0.9	-0.8	-3.0	-3.8	-4.7	-4.9	0.0	5.4	-4.9
2	-5.4	-6.0	-5.6	-5.9	-5.3	-4.0	-2.8	-1.8	0.6	3.0	5.1	6.1	7.5	9.0	9.5	9.0	8.1	6.3	4.7	1.2	0.6	0.4	1.0	1.0	1.5	9.5	-6.0
3	0.1	-0.7	-1.2	-1.9	-2.5	-2.5	-2.7	-2.7	-2.8	-3.0	-3.0	-2.6	-2.3	-2.6	-2.4	-2.2	-3.1	-3.4	-4.0	-4.6	-5.1	-5.7	-6.1	-6.4	-3.1	0.1	-6.4
4	-6.6	-6.6	-6.6	-7.6	-7.6	-9.0	-11.5	-12.3	-12.1	-9.5	-6.3	-4.9	-4.1	-3.9	-4.6	-3.7	-4.4	-7.4	-8.7	-9.2	-10.9	-10.5	-9.5	-9.7	-7.8	-3.7	-12.3
5	-10.0	-10.0	-10.9	-12.3	-12.6	-10.0	-7.7	-7.0	-6.7	-5.8	-5.0	-4.1	-3.4	-2.8	-1.8	-1.7	-1.9	-2.5	-3.9	-4.2	-4.2	-3.9	-3.9	-3.9	-5.8	-1.7	-12.6
6	-4.0	-3.8	-3.7	-3.4	-2.5	-1.8	-2.1	-2.7	-3.0	-1.9	0.3	0.7	1.0	1.1	0.9	0.7	0.1	-0.8	-2.4	-5.2	-7.7	-9.3	-10.1	-11.9	-3.0	1.1	-11.9
7	-12.6	-12.3	-12.5	-11.6	-9.9	-8.7	-8.5	-7.7	-5.4	-1.0	3.1	3.7	4.3	4.9	5.7	5.9	5.8	5.2	4.6	4.0	3.8	3.2	2.5	-0.2	-1.4	5.9	-12.6
8	0.5	0.5	0.3	0.2	0.3	0.4	0.5	0.4	0.7	0.9	1.1	1.3	1.5	1.6	1.1	0.6	0.4	0.2	0.1	0.0	-0.4	-0.8	-0.9	-1.2	0.4	1.6	-1.2
9	-1.5	-1.7	-1.7	-1.9	-2.4	-4.2	-7.1	-8.6	-7.9	-4.5	-0.4	0.7	1.4	2.2	2.6	2.6	1.8	-1.3	-2.5	-2.9	-3.0	-2.6	-2.3	-2.0	-2.0	2.6	-8.6
10	-1.9	-1.8	-1.5	-1.4	-1.3	-1.1	-1.1	-0.7	-0.5	0.1	1.3	2.5	3.2	5.2	6.6	7.0	6.3	4.9	3.5	2.7	2.3	2.4	2.7	2.7	1.8	7.0	-1.9
11	1.8	1.0	-0.5	-1.5	-1.4	-1.2	-1.5	-1.4	-1.0	-0.3	0.6	1.9	3.6	4.4	4.9	5.6	4.4	1.7	-0.3	-1.4	-2.4	-3.2	-4.0	-3.6	0.3	5.6	-4.0
12	-4.0	-4.1	-4.4	-4.2	-4.0	-3.9	-3.8	-3.0	-1.3	1.6	5.9	10.6	11.9	13.4	13.5	11.7	9.1	4.8	3.1	1.3	0.6	0.8	0.5	0.1	2.3	13.5	-4.4
13	-0.2	1.3	3.4	5.8	5.4	5.1	5.1	4.9	4.6	6.0	6.2	6.5	7.1	7.0	6.2	5.3	4.7	3.7	2.8	2.0	0.9	0.8	0.5	-0.1	4.0	7.1	-0.2
14	0.1	0.3	0.2	0.5	0.5	0.5	0.4	0.3	0.5	0.8	0.9	1.1	1.2	1.3	1.3	1.4	1.1	-0.1	-1.5	-2.9	-4.3	-4.7	-5.6	-5.4	-0.5	1.4	-5.6
15	-5.7	-4.4	-2.8	-1.8	-1.2	-1.0	-0.9	-1.0	-1.1	-0.9	-0.7	-0.3	0.5	0.6	1.0	0.6	-0.5	-1.7	-1.3	-0.9	-1.0	-1.1	-0.7	-0.9	-1.1	1.0	-5.7
16	-1.3	-2.1	-2.4	-2.5	-2.5	-2.3	-2.4	-2.6	-2.6	-2.4	-2.1	-1.4	-1.1	-0.1	-2.6	-2.4	-2.4	-2.5	-3.7	-4.4	-5.4	-5.7	-5.6	-5.4	-2.8	-0.1	-5.7
17	-4.8	-5.4	-4.7	-5.3	-5.4	-5.0	-5.4	-6.1	-5.3	-4.3	-4.0	-2.6	-2.3	-2.0	-1.8	-1.8	-2.2	-2.9	-2.9	-3.4	-4.4	-5.4	-5.9	-5.0	-4.1	-1.8	-6.1
18	-5.2	-4.8	-4.6	-5.9	-7.7	-9.8	-10.6	-11.7	-10.5	-6.0	-1.4	3.4	4.5	5.8	6.5	6.4	3.4	1.3	-1.0	-2.6	-3.2	-3.5	-2.8	-0.5	-2.5	6.5	-11.7
19	5.1	2.3	3.0	6.1	6.3	6.0	5.9	5.5	5.6	6.1	6.4	6.5	7.0	7.4	7.1	7.0	6.8	5.8	6.0	6.1	4.1	3.5	3.6	3.3	5.5	7.4	2.3
20	3.1	2.9	1.5	0.9	1.3	0.3	-5.4	-8.9	-12.6	-14.4	-13.7	-14.4	-15.5	-15.6	-16.2	-16.2	-17.2	-18.1	-19.0	-19.8	-21.1	-21.4	-22.1	-22.0	-11.8	3.1	-22.1
21	-22.7	-22.4	-22.5	-21.8	-21.9	-22.2	-22.6	-22.3	-21.5	-17.6	-12.9	-9.8	-8.8	-7.8	-7.7	-7.6	-9.2	-13.9	-15.2	-17.1	-18.0	-18.9	-18.7	-18.9	-16.7	-7.6	-22.7
22	-19.2	-19.3	-19.2	-18.7	-17.9	-18.8	-18.2	-18.8	-17.9	-14.1	-9.5	-5.0	-3.9	-3.1	-2.4	-2.3	-3.5	-8.6	-9.7	-10.8	-11.3	-11.8	-12.5	-12.8	-12.1	-2.3	-19.3
23	-13.2	-13.9	-14.8	-14.6	-15.1	-15.6	-15.8	-15.7	-15.3	-11.1	-5.9	-0.6	1.6	2.7	3.1	3.2	-0.2	-3.6	-6.1	-7.2	-8.3	-9.3	-10.1	-10.5	-8.2	3.2	-15.8
24	-11.9	-12.0	-11.1	-11.7	-11.6	-11.1	-10.8	-10.3	-9.9	-6.6	-4.1	-1.0	2.8	4.3	4.8	4.7	2.0	-2.1	-3.0	-3.6	-4.6	-5.6	-5.7	-6.8	-5.2	4.8	-12.0
25	-7.6	-7.5	-8.0	-8.7	-9.3	-10.1	-11.0	-11.4	-11.3	-8.3	-4.0	0.9	2.6	3.2	3.7	3.8	2.2	-1.3	-3.7	-5.1	-6.0	-6.6	-6.9	-6.8	-4.9	3.8	-11.4
26	-8.1	-8.5	-8.9	-9.5	-9.3	-9.2	-9.4	-9.8	-9.2	-6.3	-2.0	2.5	5.9	7.0	7.2	6.9	4.2	-0.3	-1.8	-2.0	-3.4	-3.6	-4.1	-3.9	-3.1	7.2	-9.8
27	-3.9	-4.0	-4.6	-4.5	-4.1	-4.7	-4.3	-4.6	-4.5	-3.8	-1.8	2.6	5.5	6.3	6.0	5.0	1.3	-1.0	-2.7	-4.1	-5.5	-6.0	-7.4	-8.1	-2.2	6.3	-8.1
28	-8.5	-9.6	-9.6	-10.1	-11.0	-11.3	-11.4	-11.3	-11.0	-8.3	-3.4	1.1	4.9	6.4	6.4	5.6	4.0	-0.5	-2.0	-3.5	-5.3	-6.5	-6.9	-7.1	-4.5	6.4	-11.4
29	-7.9	-8.1	-8.1	-7.8	-8.3	-8.4	-8.7	-9.2	-9.3	-7.4	-2.7	5.0	6.6	6.7	6.6	6.2	5.1	4.0	3.9	2.0	1.7	2.4	1.0	0.4	-1.4	6.7	-9.3
30	1.0	2.3	2.4	2.2	2.0	2.0	2.1	1.2	1.5	2.3	2.5	3.2	3.9	3.6	1.7	0.9	1.0	1.1	2.4	2.8	2.6	2.3	1.7	1.4	2.1	3.9	0.9
Avg	-5.1	-5.3	-5.3	-5.3	-5.4	-5.5	-5.9	-6.1	-5.7	-3.9	-1.5	0.6	1.7	2.4	2.4	2.3	1.1	-1.0	-2.1	-3.1	-4.1	-4.5	-4.8	-5.0	-2.9	3.5	-8.7
Max	5.1	2.9	3.4	6.1	6.3	6.0	5.9	5.5	5.6	6.1	6.4	10.6	11.9	13.4	13.5	11.7	9.1	6.3	6.0	6.1	4.1	3.5	3.6	3.3	5.5	13.5	2.3
Min	-22.7	-22.4	-22.5	-21.8	-21.9	-22.2	-22.6	-22.3	-21.5	-17.6	-13.7	-14.4	-15.5	-15.6	-16.2	-16.2	-17.2	-18.1	-19.0	-19.8	-21.1	-21.4	-22.1	-22.0	-16.7	-7.6	-22.7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
December 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.9	2.1	2.1	2.0	2.0	0.9	1.8	1.3	1.6	2.2	2.3	1.0	0.9	1.0	1.6	2.0	2.4	2.9	2.5	2.1	2.1	2.0	1.6	1.1	1.8	2.9	0.9
2	0.4	0.0	0.0	0.1	0.3	0.5	1.0	0.5	0.4	0.5	0.2	-0.3	-1.1	-3.3	-5.1	-7.2	-9.0	-11.8	-13.1	-13.6	-14.2	-15.7	-16.4	-16.8	-5.2	1.0	-16.8
3	-17.1	-17.5	-17.9	-18.2	-18.3	-18.8	-19.1	-19.1	-19.4	-19.4	-19.2	-18.9	-18.5	-18.5	-18.9	-19.1	-19.4	-20.0	-20.4	-20.6	-20.7	-21.7	-21.9	-21.9	-19.4	-17.1	-21.9
4	-22.8	-22.9	-22.7	-22.2	-22.5	-22.6	-22.2	-22.0	-21.7	-21.2	-20.7	-20.4	-20.1	-20.4	-20.7	-21.4	-22.3	-23.5	-25.1	-26.1	-29.1	-30.4	-30.8	-31.5	-23.6	-20.1	-31.5
5	-32.3	-32.4	-32.6	-33.0	-33.1	-32.8	-32.9	-33.4	-33.5	-32.2	-29.7	-26.3	-22.6	-19.9	-19.2	-19.1	-20.2	-21.6	-23.0	-25.1	-25.7	-27.0	-27.2	-27.9	-27.6	-19.1	-33.5
6	-29.3	-30.6	-31.7	-32.2	-33.3	-34.0	-34.1	-34.4	-34.1	-33.6	-31.3	-28.7	-27.0	-26.7	-26.6	-27.4	-28.8	-29.7	-31.3	-32.0	-32.1	-32.6	-33.1	-33.2	-31.2	-26.6	-34.4
7	-33.6	-34.0	-34.2	-34.6	-35.1	-34.8	-35.0	-34.9	-34.7	-33.7	-30.9	-27.8	-25.7	-24.3	-24.2	-24.9	-26.0	-27.6	-29.2	-30.3	-31.0	-31.8	-32.0	-32.3	-30.9	-24.2	-35.1
8	-32.9	-32.7	-31.8	-30.7	-29.8	-28.6	-27.7	-26.0	-24.9	-23.7	-21.4	-20.4	-20.0	-19.4	-19.2	-19.1	-19.3	-20.1	-20.4	-20.3	-20.5	-21.3	-21.6	-23.5	-24.0	-19.1	-32.9
9	-25.9	-27.3	-26.4	-26.2	-22.8	-19.3	-18.6	-18.3	-17.5	-16.4	-15.3	-14.5	-13.6	-12.7	-12.0	-11.8	-11.3	-11.0	-10.4	-10.3	-10.1	-11.0	-10.4	-9.0	-15.9	-9.0	-27.3
10	-8.4	-8.3	-8.7	-8.5	-8.3	-8.2	-8.4	-8.3	-8.6	-8.8	-8.8	-8.8	-8.7	-9.0	-9.1	-9.6	-10.1	-10.9	-11.3	-12.8	-14.5	-14.9	-15.7	-16.4	-10.2	-8.2	-16.4
11	-17.6	-18.7	-18.2	-18.7	-16.1	-13.7	-15.5	-14.2	-15.8	-15.8	-10.2	-7.5	-5.7	-5.4	-6.0	-6.4	-8.9	-10.8	-13.2	-14.2	-13.4	-13.4	-12.1	-10.6	-12.6	-5.4	-18.7
12	-9.4	-8.1	-8.0	-5.5	-4.4	-3.2	-6.0	-6.1	-6.4	-6.8	-6.1	-4.2	-2.1	-1.3	-1.3	-1.6	-2.4	-3.4	-4.4	-6.2	-8.1	-8.0	-5.8	-5.5	-5.2	-1.3	-9.4
13	-5.9	-4.2	-4.6	-2.4	-2.1	-2.8	-2.4	-2.6	-2.7	-2.6	-2.3	-1.7	-1.6	-1.2	-0.8	-0.4	-0.7	-1.4	-1.7	-1.8	-3.3	-3.5	-3.0	-2.8	-2.4	-0.4	-5.9
14	-2.6	-1.8	-1.8	-1.8	-1.8	-1.8	-2.3	-2.4	-1.9	-1.1	0.2	-0.1	0.2	0.2	0.0	0.0	0.3	0.5	1.1	1.8	2.2	2.4	2.3	2.7	-0.2	2.7	-2.6
15	3.5	3.0	3.1	2.8	2.7	3.4	3.4	2.7	2.0	3.1	3.4	3.4	3.9	3.9	4.4	4.7	4.6	4.3	3.8	3.2	2.8	2.9	2.4	2.5	3.3	4.7	2.0
16	2.9	2.5	2.3	2.3	2.1	1.3	1.3	1.1	0.9	1.2	1.3	1.7	1.9	2.5	2.8	3.0	2.9	2.6	2.3	2.1	2.1	1.8	0.5	-1.4	1.8	3.0	-1.4
17	-2.1	-2.5	-3.0	-6.9	-7.1	-7.3	-7.0	-7.0	-6.2	-6.5	-3.6	Au	Au	Au	8.5	8.3	7.1	6.1	5.9	5.4	5.5	5.6	5.3	3.8	0.1	8.5	-7.3
18	0.7	-0.7	-2.2	-2.8	2.6	4.0	4.1	4.2	3.4	3.3	3.4	3.2	3.6	3.3	3.2	2.8	1.8	-0.4	-2.0	-2.8	-2.7	-6.0	-9.5	-12.5	0.1	4.2	-12.5
19	-13.1	-14.3	-15.8	-16.8	-17.7	-18.4	-19.4	-19.8	-20.0	-19.9	-19.6	-18.7	-17.8	-16.5	-15.8	-15.3	-16.9	-20.1	-22.1	-21.9	-22.8	-24.5	-24.6	-23.7	-19.0	-13.1	-24.6
20	-23.6	-23.1	-22.8	-23.2	-22.8	-23.2	-23.4	-23.3	-23.4	-22.6	-19.0	-14.7	-9.4	-8.0	-7.8	-7.5	-8.2	-8.6	-8.5	-8.3	-7.9	-7.7	-7.6	-7.3	-15.1	-7.3	-23.6
21	-7.3	-7.6	-7.8	-7.7	-6.8	-6.6	-6.8	-7.1	-7.3	-7.3	-7.3	-7.1	-6.9	-6.8	-6.6	-6.6	-6.5	-7.0	-7.1	-7.3	-7.7	-8.2	-8.5	-9.0	-7.3	-6.5	-9.0
22	-9.1	-8.9	-8.7	-8.6	-8.3	-8.1	-7.8	-7.4	-8.6	-11.2	-11.5	-11.8	-11.4	-10.3	-10.1	-11.0	-11.8	-13.2	-15.0	-15.7	-17.1	-18.2	-20.4	-20.9	-11.9	-7.4	-20.9
23	-21.7	-21.8	-20.7	-17.7	-14.9	-12.5	-10.8	-8.5	-5.2	-3.9	-3.6	-2.7	-1.2	-0.2	1.7	1.2	1.5	1.2	1.0	2.6	2.3	0.7	0.3	-0.4	-5.6	2.6	-21.8
24	-1.5	-2.3	-2.8	-3.2	-3.5	-3.6	-3.6	-3.5	-3.6	-3.7	-3.5	-3.3	-3.2	-3.1	-3.3	-3.4	-3.6	-4.9	-6.8	-9.8	-11.7	-13.7	-15.1	-16.3	-5.5	-1.5	-16.3
25	-17.7	-18.5	-19.2	-19.2	-20.2	-20.6	-20.5	-21.0	-21.4	-19.6	-17.4	-15.0	-12.7	-10.3	-8.1	-8.3	-6.9	-5.5	-6.7	-5.5	-3.8	-2.2	-2.1	-4.3	-12.8	-2.1	-21.4
26	-6.4	-7.9	-8.6	-8.4	-8.2	-4.6	-4.7	-3.9	-4.7	-5.6	-1.4	1.6	3.9	3.9	4.6	4.5	4.6	4.9	5.0	5.1	5.1	5.2	5.0	3.9	-0.3	5.2	-8.6
27	2.8	0.6	0.3	-1.5	-1.0	-2.9	-5.2	-7.0	-7.8	-8.1	-7.5	-4.8	0.1	5.9	7.0	5.4	2.5	-0.6	-2.5	-2.8	-4.0	-3.7	-4.6	-4.7	-1.8	7.0	-8.1
28	-0.8	4.1	2.5	0.8	-4.4	-8.2	-9.5	-12.0	-13.8	-14.2	-14.0	-13.4	-12.2	-11.4	-10.7	-10.0	-10.5	-11.2	-12.0	-13.0	-12.6	-11.8	-11.7	-11.4	-9.2	4.1	-14.2
29	-11.4	-11.8	-11.8	-12.8	-14.0	-15.4	-15.0	-10.1	-11.1	-8.9	-6.5	-4.4	-4.6	-4.0	-3.7	-3.5	-3.1	-2.9	-3.0	-3.2	-3.2	-3.9	-3.8	-3.3	-7.3	-2.9	-15.4
30	-3.4	-3.2	-3.1	-3.7	-4.6	-4.5	-4.6	-5.5	-6.8	-6.2	-4.7	-1.8	-0.2	0.4	0.7	0.8	0.8	0.3	-0.8	-1.0	-0.4	0.2	0.9	0.6	-2.1	0.9	-6.8
31	0.8	1.1	1.5	1.7	1.5	1.6	2.0	1.6	1.4	1.3	1.2	1.2	1.4	0.6	0.3	-0.3	-0.2	-0.2	-0.5	-1.0	-1.2	-1.5	-1.7	-1.3	0.5	2.0	-1.7
Avg	-11.1	-11.2	-11.4	-11.5	-11.3	-11.1	-11.3	-11.2	-11.3	-11.0	-9.8	-8.8	-7.7	-7.0	-6.3	-6.5	-7.0	-7.9	-8.7	-9.1	-9.5	-10.1	-10.4	-10.8	-9.7	-4.6	-16.0
Max	3.5	4.1	3.1	2.8	2.7	4.0	4.1	4.2	3.4	3.3	3.4	3.4	3.9	5.9	8.5	8.3	7.1	6.1	5.9	5.4	5.5	5.6	5.3	3.9	3.3	8.5	2.0
Min	-33.6	-34.0	-34.2	-34.6	-35.1	-34.8	-35.0	-34.9	-34.7	-33.7	-31.3	-28.7	-27.0	-26.7	-26.6	-27.4	-28.8	-29.7	-31.3	-32.0	-32.1	-32.6	-33.1	-33.2	-31.2	-26.6	-35.1

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
October 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
2	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
3	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
4	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
5	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
6	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
7	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	6.3	7.7	7.2	7.8	6.3	6.8	6.2	4.7	1.2	-1.5	-3.2	-4.9	-6.1	-6.4	2.3	7.8	-6.4
9	-6.4	-6.5	-7.1	-7.3	-7.8	-7.7	-7.8	-6.0	-0.4	4.9	7.3	8.1	8.6	9.0	9.0	8.7	7.7	5.9	4.3	3.3	1.2	0.5	0.0	-1.9	0.8	9.0	-7.8
10	-3.3	-4.1	-4.9	-5.6	-5.9	-6.1	-6.3	-5.4	-0.5	5.5	9.0	10.4	10.6	11.1	11.8	11.5	9.4	7.9	6.6	4.7	1.9	2.4	1.6	-0.2	2.6	11.8	-6.3
11	-0.9	-1.7	-1.2	-0.9	-0.9	-0.7	0.1	0.0	0.6	1.1	1.8	2.7	3.2	4.0	4.4	5.6	4.6	2.1	-1.3	-2.9	-5.0	-7.1	-7.7	-8.6	-0.4	5.6	-8.6
12	-8.9	-9.5	-9.7	-9.9	-9.9	-9.0	-9.2	-8.1	-5.2	0.8	3.6	5.2	5.9	6.4	6.3	6.1	5.1	4.1	3.0	2.4	2.5	1.4	-1.1	-2.9	-1.3	6.4	-9.9
13	-3.5	-3.6	-4.6	-3.7	-4.0	-4.7	-5.6	-5.0	-1.6	2.2	5.5	6.9	7.1	5.9	4.7	3.8	4.0	3.5	2.9	2.5	2.0	1.4	0.8	0.7	0.7	7.1	-5.6
14	0.4	0.4	0.5	0.6	0.1	-0.1	-0.3	0.0	0.4	1.4	1.9	1.5	2.5	2.8	3.3	3.0	2.2	2.0	1.1	0.2	-1.5	-3.4	-5.4	-6.5	0.3	3.3	-6.5
15	-7.1	-8.3	-8.7	-9.4	-10.1	-10.5	-11.3	-9.8	-5.6	-1.1	1.9	3.4	4.4	5.3	6.0	6.3	5.8	2.6	-1.6	-2.4	-5.7	-6.5	-7.5	-8.2	-3.3	6.3	-11.3
16	-8.3	-8.7	-8.9	-9.2	-9.7	-9.6	-9.4	-8.0	-4.9	-0.9	3.4	3.3	0.6	0.6	0.9	1.1	0.5	-0.3	-0.7	-1.4	-1.9	-2.5	-3.1	-2.5	-3.3	3.4	-9.7
17	-3.0	-4.4	-4.2	-4.1	-3.9	-4.2	-4.4	-4.0	-3.4	-2.5	-1.6	-0.2	1.1	1.6	1.5	0.4	0.0	-0.1	-0.8	-0.8	-0.6	-1.0	-1.1	-0.8	-1.7	1.6	-4.4
18	-1.1	-2.5	-4.4	-6.2	-7.5	-8.8	-9.9	-10.9	-8.1	-4.9	-1.0	2.4	4.1	5.3	6.6	7.0	6.3	3.8	0.0	-1.5	-2.6	-3.7	-4.6	-5.5	-2.0	7.0	-10.9
19	-6.0	-6.3	-6.6	-7.1	-7.0	-7.2	-6.9	-6.5	-4.0	0.9	5.3	6.6	8.0	8.5	9.5	9.8	9.1	6.6	3.1	1.9	4.6	3.5	2.6	2.2	1.0	9.8	-7.2
20	1.1	0.5	0.6	0.5	0.2	0.3	-0.1	0.6	1.6	2.9	3.6	4.7	5.5	6.8	7.7	8.3	7.1	4.3	0.5	-0.5	-1.5	-2.1	-2.0	-3.2	2.0	8.3	-3.2
21	-3.9	-4.7	-5.1	-5.6	-5.8	-6.1	-6.1	-4.6	-2.1	1.6	6.2	8.6	10.5	10.7	11.4	11.8	10.7	7.4	4.8	2.5	0.8	-0.4	-2.3	-3.3	1.5	11.8	-6.1
22	-4.0	-3.7	-3.8	-3.8	-3.7	-4.4	-5.3	-4.6	-1.3	4.1	9.3	11.1	12.4	13.2	13.9	14.1	12.8	9.0	4.0	2.4	0.5	-1.0	-2.7	-3.3	2.7	14.1	-5.3
23	-3.3	-4.3	-4.7	-5.2	-5.6	-5.8	-6.5	-6.2	-2.1	3.5	8.6	11.2	11.9	12.6	12.9	12.8	11.1	7.4	4.1	1.8	0.1	-1.0	-1.7	-2.6	2.0	12.9	-6.5
24	-3.1	-4.3	-5.0	-5.6	-6.2	-6.0	-6.5	-6.2	-2.5	2.5	7.3	11.2	12.7	13.2	13.4	13.5	12.0	6.4	3.7	2.7	1.0	-0.1	-2.4	-3.2	2.0	13.5	-6.5
25	-3.8	-4.4	-4.1	-5.1	-5.2	-5.7	-5.2	-5.4	-1.2	4.2	10.6	13.1	13.6	14.2	14.0	13.7	10.9	7.2	2.9	1.9	0.6	-0.7	-2.9	-4.2	2.5	14.2	-5.7
26	-5.1	-5.2	-6.0	-6.2	-6.9	-7.0	-6.9	-6.7	-0.6	2.0	9.0	11.2	12.8	14.0	14.4	13.9	12.3	6.8	1.3	-1.8	-3.1	-4.7	-5.8	-6.3	1.1	14.4	-7.0
27	-7.0	-6.8	-6.7	-6.6	-7.5	-8.0	-8.7	-8.4	-5.2	0.0	7.0	10.4	11.5	11.7	10.9	7.2	4.7	2.2	0.9	0.1	-0.5	-0.5	-1.3	-1.5	-0.1	11.7	-8.7
28	-2.0	-2.4	-2.9	-3.4	-3.6	-4.1	-4.3	-4.9	-5.4	-5.7	-5.4	-5.6	-5.3	-4.8	-4.9	-5.5	-6.3	-6.9	-7.3	-7.8	-8.1	-8.6	-8.7	-8.8	-5.5	-2.0	-8.8
29	-8.8	-8.7	-8.9	-8.8	-8.6	-8.3	-8.2	-8.0	-7.5	-6.6	-5.9	-5.3	-4.9	-4.4	-2.8	-2.0	-2.0	-4.2	-5.8	-7.0	-7.6	-8.0	-9.4	-9.6	-6.7	-2.0	-9.6
30	-10.3	-10.0	-10.1	-10.1	-10.5	-11.4	-11.9	-11.4	-7.8	-2.4	0.3	1.6	2.4	3.3	3.9	3.8	2.5	-0.2	-1.0	-2.3	-4.1	-5.7	-5.6	-5.9	-4.3	3.9	-11.9
31	-4.7	-2.8	-1.3	-1.3	-1.3	-1.9	-4.5	-3.4	-1.7	-0.1	2.0	3.1	2.8	3.1	3.8	3.8	2.5	2.4	1.8	1.0	1.0	0.6	0.7	0.6	0.3	3.8	-4.7
Avg	-4.5	-4.9	-5.1	-5.4	-5.7	-6.0	-6.3	-5.8	-3.0	0.6	4.0	5.6	6.2	6.7	7.0	6.9	5.8	3.5	1.2	-0.1	-1.2	-2.2	-3.2	-3.8	-0.3	7.7	-7.4
Max	1.1	0.5	0.6	0.6	0.2	0.3	0.1	0.6	1.6	5.5	10.6	13.1	13.6	14.2	14.4	14.1	12.8	9.0	6.6	4.7	4.6	3.5	2.6	2.2	2.7	14.4	-3.2
Min	-10.3	-10.0	-10.1	-10.1	-10.5	-11.4	-11.9	-11.4	-8.1	-6.6	-5.9	-5.6	-5.3	-4.8	-4.9	-5.5	-6.3	-6.9	-7.3	-7.8	-8.1	-8.6	-9.4	-9.6	-6.7	-2.0	-11.9

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
November 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-0.1	-0.7	-0.9	-1.2	-3.4	-4.4	-4.5	-5.5	-2.8	1.0	3.5	4.8	5.4	6.1	5.8	5.5	4.5	1.6	-0.1	-1.7	-4.4	-4.9	-6.0	-6.0	-0.3	6.1	-6.0
2	-6.3	-7.1	-6.9	-6.9	-6.1	-4.4	-3.1	-2.3	0.3	3.0	5.2	6.2	7.8	9.5	9.6	8.8	7.9	5.9	4.4	1.1	0.5	0.4	0.8	0.7	1.2	9.6	-7.1
3	-0.2	-1.1	-1.7	-2.7	-3.7	-3.1	-3.1	-2.8	-2.8	-2.9	-2.7	-2.2	-2.0	-2.2	-2.1	-2.0	-3.0	-3.6	-4.1	-4.6	-5.3	-6.0	-6.4	-6.5	-3.2	-0.2	-6.5
4	-6.7	-6.6	-6.8	-7.9	-7.7	-10.2	-12.8	-13.2	-12.2	-9.3	-6.0	-4.5	-3.6	-3.7	-4.4	-3.5	-4.9	-8.4	-8.9	-9.8	-12.0	-10.7	-9.5	-10.1	-8.1	-3.5	-13.2
5	-10.4	-11.1	-12.2	-13.5	-13.6	-10.6	-8.0	-7.1	-6.7	-5.5	-4.6	-3.5	-2.9	-2.4	-1.5	-1.8	-2.1	-2.6	-3.8	-4.2	-4.1	-4.0	-3.8	-3.8	-6.0	-1.5	-13.6
6	-3.9	-3.8	-3.7	-3.7	-2.8	-2.6	-2.7	-3.4	-3.6	-2.4	0.0	0.3	0.7	0.7	0.5	0.3	-0.4	-2.0	-4.5	-6.7	-8.5	-10.2	-11.3	-13.5	-3.6	0.7	-13.5
7	-14.2	-13.8	-14.1	-12.1	-10.2	-8.7	-9.0	-8.5	-6.1	-1.4	3.0	3.6	4.0	4.5	5.3	5.5	5.3	4.5	4.2	3.6	3.3	2.9	2.3	-0.1	-1.9	5.5	-14.2
8	0.3	0.2	0.0	0.1	0.1	0.3	0.3	0.3	0.6	0.8	1.1	1.3	1.5	1.6	1.0	0.6	0.3	0.0	-0.1	-0.3	-0.9	-1.3	-1.3	-1.5	0.2	1.6	-1.5
9	-1.9	-2.1	-2.1	-2.7	-3.1	-5.9	-7.6	-9.0	-7.8	-4.3	-0.1	1.0	1.7	2.4	2.6	2.4	1.1	-1.8	-2.8	-3.3	-3.1	-2.5	-2.3	-1.9	-2.2	2.6	-9.0
10	-1.9	-1.9	-1.6	-1.5	-1.4	-1.3	-1.2	-0.9	-0.5	0.1	1.3	2.4	3.3	5.1	6.1	6.3	5.6	4.2	3.1	2.2	1.8	1.7	2.2	2.4	1.5	6.3	-1.9
11	1.5	0.5	-0.6	-1.5	-1.3	-1.1	-1.4	-1.3	-0.8	-0.1	0.8	2.2	3.9	4.6	5.1	5.9	3.8	1.3	-0.6	-1.9	-3.0	-4.1	-5.1	-4.9	0.1	5.9	-5.1
12	-5.2	-5.1	-5.4	-5.8	-5.4	-5.4	-5.4	-3.6	-2.2	1.4	5.7	10.7	12.1	13.6	13.1	11.3	7.9	4.5	2.6	0.6	0.0	0.3	0.2	-0.4	1.7	13.6	-5.8
13	-1.0	0.0	2.3	4.7	4.1	4.0	4.5	4.3	4.1	6.0	6.3	6.8	7.4	7.2	6.1	5.0	4.4	3.4	2.5	1.7	0.2	0.0	-0.1	-0.9	3.5	7.4	-1.0
14	-0.8	-0.1	-0.2	0.1	0.2	0.3	0.1	0.0	0.4	0.9	1.0	1.3	1.3	1.5	1.4	1.4	0.8	-0.7	-1.9	-3.3	-5.3	-5.8	-6.6	-6.4	-0.8	1.5	-6.6
15	-7.3	-6.5	-3.7	-2.3	-1.5	-1.2	-1.0	-1.1	-1.1	-0.8	-0.5	0.0	1.0	1.0	1.5	0.6	-0.5	-1.8	-1.5	-1.0	-1.1	-1.2	-0.8	-1.0	-1.3	1.5	-7.3
16	-1.3	-2.1	-2.3	-2.4	-2.5	-2.2	-2.3	-2.5	-2.5	-2.3	-2.0	-1.2	-0.9	0.0	-2.4	-2.5	-2.6	-2.6	-3.8	-4.5	-5.6	-6.1	-5.5	-5.4	-2.8	0.0	-6.1
17	-5.1	-6.0	-5.4	-6.1	-6.0	-5.5	-6.4	-7.0	-6.3	-4.2	-3.8	-2.5	-2.3	-2.0	-1.8	-1.8	-2.4	-3.3	-3.2	-4.2	-5.0	-5.6	-6.3	-6.3	-4.5	-1.8	-7.0
18	-6.5	-5.6	-5.4	-7.4	-8.6	-11.3	-12.2	-13.6	-11.6	-6.0	-1.4	3.2	4.4	5.7	6.1	5.7	1.8	0.0	-1.6	-3.1	-3.8	-3.9	-3.4	-1.9	-3.3	6.1	-13.6
19	4.3	1.0	1.9	5.6	5.8	5.5	5.4	5.1	5.3	5.9	6.2	6.3	6.9	7.3	6.9	6.6	6.4	5.0	5.6	5.7	3.8	3.1	2.7	2.4	5.0	7.3	1.0
20	2.3	2.4	0.9	0.5	0.7	-0.3	-5.2	-8.7	-12.3	-14.1	-13.3	-14.1	-15.1	-15.1	-15.8	-15.9	-17.3	-18.4	-20.0	-21.1	-21.6	-22.0	-22.7	-23.0	-12.0	2.4	-23.0
21	-23.5	-23.2	-23.2	-23.0	-22.9	-23.3	-23.6	-23.1	-21.6	-17.3	-12.5	-9.3	-8.3	-7.5	-7.3	-7.5	-9.9	-14.2	-15.5	-17.9	-18.9	-19.8	-19.5	-19.8	-17.2	-7.3	-23.6
22	-20.1	-20.2	-20.0	-19.9	-18.9	-19.6	-19.0	-19.7	-18.1	-13.8	-9.1	-4.6	-3.5	-2.7	-2.1	-2.2	-4.3	-9.2	-9.9	-11.1	-11.5	-12.0	-12.9	-13.2	-12.4	-2.1	-20.2
23	-14.0	-14.9	-16.2	-16.1	-16.6	-17.2	-17.1	-17.3	-15.7	-10.9	-5.7	-0.3	2.0	2.9	3.3	3.2	-1.2	-4.6	-7.5	-9.6	-10.2	-11.5	-11.7	-12.6	-9.1	3.3	-17.3
24	-13.5	-13.7	-13.3	-13.4	-12.8	-12.5	-11.8	-11.7	-10.4	-6.7	-4.0	-0.9	3.1	4.6	4.9	4.5	1.0	-2.9	-3.5	-4.6	-5.6	-6.5	-6.7	-8.1	-6.0	4.9	-13.7
25	-8.4	-8.3	-9.0	-9.7	-10.3	-11.0	-12.1	-12.7	-11.8	-8.2	-3.6	1.2	2.9	3.5	3.8	3.7	1.1	-2.8	-4.7	-6.6	-7.3	-8.3	-7.6	-7.9	-5.6	3.8	-12.7
26	-9.7	-10.0	-10.4	-10.5	-10.8	-10.5	-10.6	-11.4	-9.9	-6.0	-1.8	2.8	6.1	7.2	7.2	6.7	3.5	-0.9	-2.5	-2.4	-4.2	-4.4	-5.2	-4.7	-3.9	7.2	-11.4
27	-4.5	-5.0	-5.4	-5.1	-5.3	-5.7	-5.3	-5.5	-5.2	-3.9	-1.7	2.7	5.7	6.4	5.7	4.3	0.6	-1.5	-3.5	-6.2	-7.5	-8.2	-8.4	-9.1	-3.0	6.4	-9.1
28	-10.0	-10.5	-10.9	-11.8	-12.2	-12.7	-12.9	-13.0	-11.8	-8.2	-3.2	1.4	5.2	6.6	6.6	5.2	3.1	-1.2	-2.7	-4.5	-6.8	-7.9	-8.0	-8.6	-5.4	6.6	-13.0
29	-9.2	-9.2	-9.5	-9.1	-9.6	-10.0	-9.9	-10.4	-10.2	-7.7	-2.4	5.1	6.7	6.7	6.5	5.8	4.2	3.2	2.7	-0.3	0.7	2.2	0.7	0.1	-2.2	6.7	-10.4
30	0.6	2.1	2.2	2.1	1.8	1.8	1.8	0.6	1.3	2.4	2.7	3.5	4.2	3.7	1.7	0.9	0.8	0.9	2.1	2.6	2.3	2.0	1.4	1.1	1.9	4.2	0.6
Avg	-5.9	-6.1	-6.1	-6.1	-6.1	-6.3	-6.5	-6.8	-6.1	-3.8	-1.4	0.8	2.0	2.6	2.4	2.1	0.5	-1.6	-2.7	-3.8	-4.8	-5.1	-5.4	-5.7	-3.3	3.5	-9.7
Max	4.3	2.4	2.3	5.6	5.8	5.5	5.4	5.1	5.3	6.0	6.3	10.7	12.1	13.6	13.1	11.3	7.9	5.9	5.6	5.7	3.8	3.1	2.7	2.4	5.0	13.6	1.0
Min	-23.5	-23.2	-23.2	-23.0	-22.9	-23.3	-23.6	-23.1	-21.6	-17.3	-13.3	-14.1	-15.1	-15.1	-15.8	-15.9	-17.3	-18.4	-20.0	-21.1	-21.6	-22.0	-22.7	-23.0	-17.2	-7.3	-23.6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
December 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.7	1.9	1.9	1.7	1.6	0.7	1.6	1.1	1.5	2.1	2.2	1.1	1.0	1.0	1.5	1.9	2.2	2.7	2.4	1.9	1.9	1.7	1.4	0.9	1.6	2.7	0.7
2	0.2	-0.1	-0.3	-0.3	0.0	0.5	0.8	0.5	0.4	0.4	0.2	-0.3	-1.1	-3.3	-5.0	-7.1	-8.9	-11.7	-13.1	-13.5	-14.1	-15.6	-16.3	-16.7	-5.2	0.8	-16.7
3	-17.0	-17.5	-17.8	-18.1	-18.2	-18.8	-19.2	-19.1	-19.3	-19.2	-19.0	-18.7	-18.3	-18.3	-18.8	-19.1	-19.3	-20.2	-20.6	-20.7	-20.9	-22.1	-22.4	-22.2	-19.4	-17.0	-22.4
4	-22.9	-22.9	-22.6	-22.5	-22.7	-22.6	-22.2	-21.9	-21.7	-21.1	-20.6	-20.2	-19.9	-20.2	-20.6	-21.4	-22.5	-24.3	-25.8	-27.1	-29.6	-30.7	-31.3	-32.1	-23.7	-19.9	-32.1
5	-32.8	-33.3	-33.7	-33.8	-33.7	-33.9	-33.9	-34.2	-34.0	-32.0	-29.5	-26.2	-22.9	-20.0	-19.2	-19.3	-21.3	-22.5	-24.2	-26.2	-27.0	-28.6	-27.9	-29.2	-28.3	-19.2	-34.2
6	-31.1	-31.8	-32.6	-33.2	-33.6	-34.2	-34.3	-34.7	-34.2	-33.5	-31.0	-28.0	-26.8	-26.4	-26.4	-27.5	-29.2	-30.1	-31.8	-32.3	-32.4	-32.8	-33.3	-33.5	-31.4	-26.4	-34.7
7	-33.8	-34.3	-34.6	-35.0	-35.5	-35.2	-35.2	-35.4	-35.2	-33.5	-30.5	-27.4	-25.4	-24.0	-24.1	-25.1	-26.6	-28.3	-29.9	-31.2	-31.5	-32.4	-32.7	-33.0	-31.2	-24.0	-35.5
8	-33.8	-33.5	-32.5	-30.9	-30.1	-28.9	-28.1	-26.1	-24.8	-23.6	-21.2	-20.1	-19.7	-19.1	-19.0	-19.2	-19.8	-20.6	-20.7	-20.4	-20.6	-21.6	-22.4	-25.1	-24.2	-19.0	-33.8
9	-26.9	-27.8	-26.9	-26.7	-23.2	-19.4	-18.6	-18.2	-17.4	-16.3	-15.2	-14.4	-13.5	-12.7	-11.9	-11.8	-11.4	-11.0	-10.4	-10.3	-10.1	-11.5	-10.6	-9.2	-16.1	-9.2	-27.8
10	-8.5	-8.3	-8.7	-8.5	-8.3	-8.2	-8.4	-8.3	-8.6	-8.8	-8.8	-8.7	-8.7	-9.0	-9.3	-9.7	-10.2	-11.0	-11.6	-13.7	-15.5	-15.8	-17.1	-18.2	-10.5	-8.2	-18.2
11	-20.1	-20.6	-20.6	-21.0	-19.4	-16.8	-18.1	-16.7	-17.6	-18.1	-12.3	-8.6	-6.4	-5.7	-6.5	-7.2	-10.5	-12.5	-14.5	-15.1	-14.5	-13.7	-12.1	-10.7	-14.1	-5.7	-21.0
12	-9.6	-8.6	-8.5	-6.0	-5.2	-3.8	-6.4	-6.5	-7.0	-7.6	-7.0	-5.2	-2.5	-1.6	-1.5	-2.3	-3.1	-4.2	-4.6	-7.1	-9.2	-9.1	-6.7	-6.5	-5.8	-1.5	-9.6
13	-6.7	-5.5	-5.5	-2.9	-2.2	-2.9	-2.6	-2.7	-2.8	-2.7	-2.3	-1.9	-1.7	-1.3	-0.9	-0.6	-1.0	-1.9	-2.1	-2.2	-3.6	-4.0	-3.4	-3.1	-2.8	-0.6	-6.7
14	-3.0	-2.0	-2.1	-2.0	-2.1	-2.5	-3.1	-3.1	-2.3	-1.4	0.0	-0.3	0.0	0.0	0.0	-0.1	0.1	0.2	1.0	1.6	2.0	2.1	1.8	2.1	-0.5	2.1	-3.1
15	2.9	2.5	2.5	2.3	2.2	2.8	2.7	1.7	1.2	2.5	2.9	2.9	3.3	3.3	4.0	4.2	4.0	3.8	3.4	2.7	2.3	2.4	1.7	1.8	2.7	4.2	1.2
16	2.5	2.2	1.9	1.9	1.7	0.6	0.8	0.5	0.3	0.8	1.0	1.4	1.7	2.2	2.5	2.5	2.4	2.2	1.6	1.6	1.7	1.3	-0.5	-2.1	1.4	2.5	-2.1
17	-3.7	-5.0	-5.7	-7.5	-7.7	-7.9	-7.7	-7.9	-7.2	-7.7	-5.0	Au	Au	Au	7.8	7.4	5.8	4.4	4.5	2.8	3.6	4.3	3.7	1.6	-1.3	7.8	-7.9
18	-1.1	-2.6	-4.3	-5.2	0.3	2.9	3.4	3.5	2.8	2.3	2.9	2.5	3.2	2.8	2.5	1.8	1.5	-1.1	-2.7	-3.4	-2.8	-6.0	-9.4	-12.4	-0.8	3.5	-12.4
19	-13.1	-14.3	-15.7	-16.7	-17.6	-18.2	-19.3	-19.7	-19.9	-19.9	-19.7	-18.7	-17.6	-16.2	-15.3	-15.3	-18.1	-21.2	-23.5	-22.9	-23.8	-25.7	-26.0	-24.9	-19.3	-13.1	-26.0
20	-24.5	-24.2	-24.1	-24.4	-24.6	-24.9	-24.8	-24.6	-24.9	-23.8	-20.1	-16.5	-10.2	-8.2	-8.0	-7.7	-8.1	-8.6	-8.5	-8.3	-7.9	-7.7	-7.7	-7.3	-15.8	-7.3	-24.9
21	-7.5	-7.8	-7.8	-7.8	-6.8	-6.6	-6.8	-7.1	-7.3	-7.4	-7.3	-7.1	-6.9	-6.8	-6.7	-6.7	-6.7	-7.4	-7.5	-7.8	-8.2	-8.5	-9.0	-9.3	-7.5	-6.6	-9.3
22	-9.3	-9.0	-8.7	-8.7	-8.5	-8.1	-7.9	-7.4	-8.9	-11.2	-11.6	-11.9	-11.4	-10.6	-11.2	-12.4	-12.6	-14.7	-16.0	-16.3	-18.3	-20.1	-22.6	-22.9	-12.5	-7.4	-22.9
23	-23.5	-23.7	-21.4	-17.9	-15.1	-12.7	-11.3	-9.3	-5.9	-4.5	-4.5	-3.2	-1.4	-0.4	1.4	1.0	1.2	0.5	0.7	2.2	2.1	0.7	0.2	-0.7	-6.1	2.2	-23.7
24	-1.7	-2.4	-2.8	-3.2	-3.5	-3.5	-3.6	-3.7	-3.7	-4.0	-3.8	-3.7	-3.4	-3.3	-3.5	-3.7	-3.9	-5.7	-7.9	-11.0	-13.0	-15.2	-17.1	-17.7	-6.0	-1.7	-17.7
25	-19.7	-20.8	-21.3	-21.7	-22.3	-22.6	-22.8	-23.0	-23.2	-21.7	-18.8	-16.8	-14.1	-12.1	-9.9	-9.9	-9.3	-7.4	-6.9	-6.1	-4.9	-3.7	-3.3	-5.5	-14.5	-3.3	-23.2
26	-6.9	-8.1	-9.0	-8.9	-9.9	-8.1	-7.2	-5.2	-5.5	-6.5	-3.4	-0.1	3.5	3.4	4.2	3.7	4.2	4.5	4.6	4.8	4.7	4.7	4.5	3.0	-1.2	4.8	-9.9
27	1.1	-1.9	-2.3	-3.5	-3.4	-4.1	-5.9	-8.0	-10.1	-10.4	-9.0	-6.9	-2.0	4.5	6.5	4.4	1.1	-1.9	-4.3	-5.1	-5.6	-5.6	-6.5	-6.6	-3.6	6.5	-10.4
28	-2.3	3.5	2.1	0.5	-4.6	-8.2	-9.4	-11.9	-13.7	-14.5	-14.3	-13.5	-12.2	-11.4	-10.6	-10.1	-11.3	-12.5	-12.4	-13.5	-12.7	-12.2	-12.0	-11.6	-9.5	3.5	-14.5
29	-12.1	-12.3	-12.5	-13.9	-16.4	-17.3	-16.7	-11.5	-13.1	-12.1	-7.2	-4.7	-4.7	-4.1	-3.8	-3.6	-3.2	-3.2	-3.5	-3.7	-3.7	-4.5	-4.5	-3.9	-8.2	-3.2	-17.3
30	-4.2	-3.8	-3.5	-4.3	-5.1	-5.7	-5.4	-6.3	-7.8	-7.8	-6.0	-2.2	-0.6	0.1	0.5	0.5	0.4	-0.3	-1.1	-1.5	-1.3	-0.2	0.7	0.4	-2.7	0.7	-7.8
31	0.6	1.0	1.4	1.6	1.3	1.4	1.8	1.4	1.3	1.1	1.1	1.1	1.3	0.6	0.2	-0.3	-0.3	-0.3	-0.6	-1.1	-1.4	-1.8	-2.0	-1.4	0.3	1.8	-2.0
Avg	-11.8	-12.0	-12.1	-12.1	-12.0	-11.8	-11.9	-11.7	-11.9	-11.6	-10.3	-9.2	-7.9	-7.2	-6.5	-6.9	-7.6	-8.5	-9.2	-9.8	-10.1	-10.7	-11.1	-11.5	-10.2	-4.8	-17.0
Max	2.9	3.5	2.5	2.3	2.2	2.9	3.4	3.5	2.8	2.5	2.9	2.9	3.5	4.5	7.8	7.4	5.8	4.5	4.6	4.8	4.7	4.7	4.5	3.0	2.7	7.8	1.2
Min	-33.8	-34.3	-34.6	-35.0	-35.5	-35.2	-35.2	-35.4	-35.2	-33.5	-31.0	-28.0	-26.8	-26.4	-26.4	-27.5	-29.2	-30.1	-31.8	-32.3	-32.4	-32.8	-33.3	-33.5	-31.4	-26.4	-35.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
October 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
2	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
3	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
4	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
5	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
6	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
7	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	-0.90	-1.02	-0.68	-1.21	-0.32	-0.29	-0.16	0.35	1.36	1.01	0.86	1.51	0.96	1.24	0.19	1.51	-1.21
9	1.11	1.14	1.07	1.47	1.79	1.30	1.26	0.62	-0.28	-0.40	-0.96	-1.19	-1.21	-1.21	-1.01	-0.62	-0.22	0.10	0.32	0.76	1.27	2.02	1.28	1.19	0.40	2.02	-1.21
10	1.09	1.48	1.40	1.22	1.51	1.37	1.44	0.50	-0.35	-0.49	-0.68	-0.95	-0.89	-0.98	-0.95	-0.77	-0.13	0.13	0.29	0.48	1.00	0.40	0.26	0.72	0.30	1.51	-0.98
11	0.50	0.58	0.25	0.29	0.11	0.36	0.37	0.07	0.02	-0.03	-0.12	-0.41	-0.48	-0.56	-0.38	-0.65	0.03	1.22	0.98	0.74	1.35	1.55	1.82	1.25	0.37	1.82	-0.65
12	1.50	1.27	1.30	1.20	0.99	0.98	0.82	0.47	-0.18	-0.34	-0.45	-0.59	-0.53	-0.49	-0.41	-0.30	-0.14	0.01	0.26	0.28	0.17	0.51	0.94	1.03	0.35	1.50	-0.59
13	1.15	1.15	1.37	0.87	0.82	1.14	1.64	0.82	-0.17	-0.44	-0.41	-0.49	-0.35	-0.15	0.06	0.10	0.06	0.17	0.21	0.18	0.10	0.11	0.13	0.11	0.34	1.64	-0.49
14	0.03	0.06	0.11	0.22	0.09	0.21	0.30	0.01	-0.20	-0.32	-0.28	-0.15	-0.42	-0.37	-0.57	-0.19	-0.07	0.17	0.19	0.33	0.70	1.00	1.12	1.69	0.15	1.69	-0.57
15	1.05	1.41	1.20	1.19	0.96	1.25	1.09	0.45	-0.28	-0.35	-0.59	-0.84	-0.91	-0.78	-0.68	-0.59	-0.18	1.09	0.63	0.27	1.81	1.55	1.52	1.34	0.48	1.81	-0.91
16	1.08	1.25	1.19	1.15	1.30	1.12	0.97	0.38	-0.18	-0.23	-0.31	-0.34	-0.18	-0.25	-0.31	-0.28	-0.09	0.06	0.21	0.24	0.24	0.33	0.54	0.35	0.34	1.30	-0.34
17	0.54	0.70	0.07	0.05	-0.03	0.15	0.08	-0.08	-0.12	-0.13	-0.20	-0.49	-0.52	-0.41	-0.43	-0.15	-0.04	0.03	-0.01	0.03	0.10	0.13	0.19	0.18	-0.02	0.70	-0.52
18	0.29	0.95	0.99	1.43	1.28	0.84	0.68	0.60	0.04	-0.19	-0.30	-0.45	-0.49	-0.38	-0.60	-0.45	-0.03	0.92	0.64	0.34	0.56	0.83	0.96	1.19	0.40	1.43	-0.60
19	1.17	0.97	1.09	1.04	0.90	0.93	0.85	0.61	-0.08	-0.19	-0.25	-0.31	-0.60	-0.18	-0.45	-0.25	0.17	1.05	1.20	0.25	0.17	0.31	0.61	0.49	0.40	1.20	-0.60
20	0.16	0.06	0.16	0.19	0.34	0.41	0.54	0.23	0.07	-0.38	-0.51	-0.66	-0.62	-0.73	-0.69	-0.68	0.01	0.87	0.23	0.19	0.35	0.45	0.38	0.93	0.05	0.93	-0.73
21	1.38	1.31	0.95	1.28	1.01	0.86	1.24	0.08	-0.15	-0.29	-0.46	-0.79	-0.88	-0.50	-0.61	-0.55	0.00	1.13	1.11	0.30	0.29	0.41	0.79	1.19	0.38	1.38	-0.88
22	1.02	1.36	1.13	1.08	1.03	1.01	1.40	0.86	-0.19	-0.36	-0.49	-0.83	-0.82	-0.76	-0.67	-0.36	0.30	1.35	1.10	0.24	0.71	0.68	1.36	1.22	0.47	1.40	-0.83
23	0.99	1.34	0.91	1.39	0.85	1.01	1.77	1.11	-0.17	-0.36	-0.38	-0.71	-0.86	-0.83	-0.67	-0.47	0.19	0.97	0.91	0.86	0.99	1.25	0.94	0.50	0.48	1.77	-0.86
24	0.59	0.69	1.54	1.26	1.13	1.30	1.22	1.15	-0.34	-0.53	-0.41	-0.63	-0.80	-0.58	-0.50	-0.33	0.15	1.32	0.33	0.16	0.37	0.65	1.50	0.99	0.43	1.54	-0.80
25	1.63	1.28	1.08	1.86	1.62	1.60	1.60	1.42	-0.02	-0.29	-0.53	-0.69	-0.76	-0.73	-0.60	-0.31	0.40	1.52	0.58	0.47	0.64	0.82	1.49	1.47	0.65	1.86	-0.76
26	1.26	1.49	2.17	1.60	1.95	1.34	1.38	1.18	-0.40	-0.42	-0.49	-0.69	-0.75	-0.70	-0.49	-0.20	0.37	1.95	1.12	1.46	1.44	1.90	1.82	1.76	0.84	2.17	-0.75
27	1.89	1.78	1.85	1.32	1.82	1.75	1.82	1.68	0.09	-0.33	-0.44	-0.50	-0.67	-0.75	-0.56	-0.11	0.00	0.15	0.20	0.10	-0.01	-0.06	-0.03	-0.04	0.46	1.89	-0.75
28	-0.02	-0.05	-0.03	-0.04	-0.04	-0.06	-0.09	-0.10	-0.14	-0.19	-0.21	-0.19	-0.28	-0.20	-0.13	-0.11	-0.10	-0.10	-0.10	-0.10	-0.11	-0.14	-0.16	-0.16	-0.12	-0.02	-0.28
29	-0.13	-0.15	-0.17	-0.19	-0.18	-0.18	-0.19	-0.23	-0.30	-0.43	-0.46	-0.45	-0.41	-0.43	-0.47	-0.40	-0.09	0.60	0.46	0.58	0.55	0.48	0.56	0.78	-0.04	0.78	-0.47
30	0.88	0.68	0.78	0.71	0.74	1.05	0.99	1.02	-0.20	-0.33	-0.51	-0.74	-0.81	-0.73	-0.69	-0.39	0.20	1.56	1.43	1.30	2.17	1.49	1.31	1.14	0.54	2.17	-0.81
31	1.23	1.21	0.54	0.72	0.44	1.07	1.14	0.55	-0.12	-0.16	0.00	-0.10	-0.08	-0.10	-0.15	-0.07	0.19	0.23	0.12	0.24	0.12	0.29	0.25	0.28	0.33	1.23	-0.16
Avg	0.89	0.95	0.91	0.93	0.89	0.90	0.97	0.58	-0.16	-0.31	-0.43	-0.59	-0.63	-0.58	-0.51	-0.35	0.03	0.70	0.57	0.45	0.66	0.77	0.86	0.87	0.34	1.47	-0.70
Max	1.89	1.78	2.17	1.86	1.95	1.75	1.82	1.68	0.09	-0.03	0.00	-0.10	-0.08	-0.10	0.06	0.10	0.40	1.95	1.43	1.46	2.17	2.02	1.82	1.76	0.84	2.17	-0.16
Min	-0.13	-0.15	-0.17	-0.19	-0.18	-0.18	-0.19	-0.23	-0.40	-0.53	-0.96	-1.19	-1.21	-1.21	-1.01	-0.77	-0.22	-0.10	-0.10	-0.10	-0.11	-0.14	-0.16	-0.16	-0.12	-0.02	-1.21

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
November 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.39	0.26	0.32	0.67	0.73	0.86	0.46	0.81	-0.23	-0.27	-0.41	-0.70	-0.85	-0.78	-0.43	-0.19	0.23	1.19	1.02	0.89	1.36	1.12	1.24	1.07	0.36	1.36	-0.85
2	0.93	1.08	1.22	0.99	0.88	0.35	0.36	0.48	0.35	0.05	-0.13	-0.09	-0.37	-0.56	-0.14	0.11	0.19	0.38	0.32	0.10	0.07	0.08	0.23	0.31	0.30	1.22	-0.56
3	0.30	0.38	0.50	0.79	1.13	0.64	0.37	0.14	0.06	-0.07	-0.30	-0.35	-0.34	-0.37	-0.24	-0.15	-0.07	0.19	0.11	0.03	0.23	0.22	0.28	0.06	0.15	1.13	-0.37
4	0.10	0.04	0.21	0.35	0.15	1.20	1.31	0.84	0.05	-0.17	-0.30	-0.36	-0.50	-0.21	-0.24	-0.22	0.55	0.96	0.20	0.62	1.09	0.14	0.03	0.44	0.26	1.31	-0.50
5	0.48	1.17	1.39	1.07	1.03	0.60	0.29	0.08	-0.01	-0.27	-0.43	-0.53	-0.55	-0.42	-0.32	0.08	0.13	0.07	-0.05	-0.04	-0.04	0.06	-0.05	-0.03	0.15	1.39	-0.55
6	-0.04	0.00	0.04	0.32	0.27	0.78	0.62	0.72	0.62	0.47	0.30	0.39	0.31	0.35	0.45	0.39	0.55	1.17	2.07	1.53	0.80	0.99	1.19	1.52	0.66	2.07	-0.04
7	1.68	1.49	1.61	0.55	0.35	-0.01	0.49	0.83	0.68	0.38	0.15	0.09	0.24	0.38	0.40	0.46	0.51	0.65	0.45	0.44	0.42	0.27	0.20	-0.04	0.53	1.68	-0.04
8	0.19	0.25	0.23	0.19	0.21	0.18	0.16	0.13	0.09	0.07	0.04	0.06	0.05	0.03	0.03	0.03	0.05	0.19	0.26	0.34	0.53	0.52	0.39	0.32	0.19	0.53	0.03
9	0.40	0.41	0.38	0.88	0.77	1.64	0.54	0.39	-0.01	-0.23	-0.32	-0.23	-0.25	-0.20	-0.03	0.14	0.69	0.47	0.30	0.42	0.06	-0.03	-0.01	-0.01	0.26	1.64	-0.32
10	0.02	0.07	0.02	0.05	0.07	0.22	0.06	0.17	-0.04	-0.07	-0.06	0.09	-0.08	0.10	0.46	0.66	0.67	0.66	0.40	0.47	0.50	0.62	0.47	0.34	0.24	0.67	-0.08
11	0.25	0.51	0.06	-0.08	-0.09	-0.07	-0.10	-0.09	-0.15	-0.19	-0.21	-0.24	-0.21	-0.19	-0.19	-0.20	0.62	0.41	0.29	0.52	0.57	0.91	1.10	1.25	0.19	1.25	-0.24
12	1.19	0.98	0.99	1.55	1.47	1.48	1.63	0.64	0.88	0.16	0.22	-0.11	-0.11	-0.21	0.44	0.48	1.20	0.30	0.51	0.68	0.61	0.49	0.39	0.54	0.68	1.63	-0.21
13	0.72	1.30	1.00	1.07	1.27	1.14	0.62	0.62	0.42	-0.01	-0.11	-0.24	-0.29	-0.17	0.11	0.30	0.35	0.34	0.32	0.37	0.68	0.93	0.64	0.79	0.51	1.30	-0.29
14	0.86	0.45	0.48	0.33	0.27	0.21	0.29	0.24	0.06	-0.03	-0.13	-0.16	-0.17	-0.17	-0.07	0.04	0.35	0.64	0.42	0.43	0.96	1.03	1.03	0.98	0.35	1.03	-0.17
15	1.57	2.08	0.97	0.54	0.29	0.18	0.08	0.05	-0.03	-0.12	-0.16	-0.26	-0.58	-0.42	-0.47	-0.09	0.02	0.04	0.22	0.12	0.10	0.11	0.10	0.11	0.19	2.08	-0.58
16	0.01	-0.03	-0.04	-0.05	-0.07	-0.06	-0.03	-0.05	-0.05	-0.06	-0.04	-0.20	-0.15	-0.16	-0.12	0.13	0.25	0.08	0.12	0.10	0.19	0.38	-0.01	0.07	0.01	0.38	-0.20
17	0.29	0.59	0.65	0.78	0.59	0.58	1.00	0.88	1.07	-0.05	-0.20	-0.09	0.02	-0.01	0.03	0.10	0.22	0.37	0.32	0.82	0.55	0.24	0.41	1.29	0.44	1.29	-0.20
18	1.36	0.78	0.73	1.50	0.90	1.57	1.67	1.88	1.06	-0.01	0.09	0.23	0.10	0.11	0.34	0.67	1.55	1.30	0.66	0.46	0.58	0.48	0.56	1.35	0.83	1.88	-0.01
19	0.83	1.27	1.09	0.44	0.48	0.52	0.46	0.44	0.35	0.19	0.14	0.14	0.09	0.12	0.27	0.36	0.41	0.75	0.46	0.37	0.31	0.35	0.84	0.86	0.48	1.27	0.09
20	0.82	0.53	0.63	0.46	0.62	0.61	-0.14	-0.21	-0.24	-0.32	-0.33	-0.38	-0.42	-0.42	-0.36	-0.25	0.17	0.33	0.99	1.34	0.53	0.55	0.54	0.98	0.25	1.34	-0.42
21	0.71	0.78	0.68	1.16	1.07	1.09	1.01	0.78	0.18	-0.23	-0.40	-0.44	-0.50	-0.37	-0.34	-0.05	0.78	0.26	0.26	0.84	0.91	0.97	0.79	0.90	0.45	1.16	-0.50
22	0.83	0.87	0.87	1.27	0.98	0.76	0.73	0.77	0.18	-0.26	-0.26	-0.44	-0.43	-0.42	-0.29	-0.04	0.81	0.64	0.22	0.33	0.23	0.22	0.44	0.36	0.35	1.27	-0.44
23	0.76	1.02	1.35	1.38	1.50	1.53	1.31	1.56	0.36	-0.28	-0.21	-0.25	-0.39	-0.21	-0.22	0.00	0.99	1.03	1.38	2.38	1.91	2.05	1.68	2.11	0.95	2.38	-0.39
24	1.59	1.60	2.12	1.83	1.28	1.34	0.99	1.33	0.54	0.09	-0.15	-0.18	-0.33	-0.27	-0.14	0.23	1.00	0.89	0.55	1.03	0.97	0.81	1.04	1.25	0.81	2.12	-0.33
25	0.87	0.79	0.95	0.94	1.04	0.98	1.15	1.24	0.50	-0.09	-0.43	-0.36	-0.28	-0.23	-0.06	0.14	1.09	1.47	0.94	1.52	1.26	1.66	0.64	1.05	0.70	1.66	-0.43
26	1.54	1.49	1.52	1.01	1.47	1.21	1.17	1.60	0.69	-0.23	-0.16	-0.28	-0.25	-0.18	-0.02	0.22	0.77	0.62	0.75	0.45	0.88	0.78	1.05	0.83	0.71	1.60	-0.28
27	0.61	1.01	0.83	0.67	1.19	0.94	0.94	0.90	0.70	0.09	-0.16	-0.12	-0.26	-0.11	0.30	0.68	0.69	0.48	0.81	2.11	1.98	2.23	0.96	1.04	0.77	2.23	-0.26
28	1.51	0.95	1.33	1.61	1.26	1.45	1.49	1.65	0.85	-0.08	-0.23	-0.31	-0.33	-0.21	-0.15	0.34	0.95	0.79	0.68	0.99	1.53	1.38	1.11	1.46	0.83	1.65	-0.33
29	1.32	1.07	1.42	1.32	1.23	1.59	1.12	1.20	0.93	0.31	-0.31	-0.11	-0.12	-0.02	0.08	0.36	0.91	0.83	1.23	2.36	0.96	0.24	0.31	0.32	0.77	2.36	-0.31
30	0.43	0.25	0.17	0.18	0.18	0.20	0.29	0.54	0.22	-0.04	-0.21	-0.30	-0.34	-0.05	-0.01	0.07	0.21	0.28	0.32	0.25	0.23	0.29	0.34	0.35	0.16	0.54	-0.34
Avg	0.75	0.78	0.79	0.79	0.75	0.79	0.68	0.69	0.34	-0.04	-0.16	-0.19	-0.24	-0.18	-0.03	0.16	0.56	0.59	0.55	0.74	0.70	0.67	0.60	0.73	0.45	1.45	-0.30
Max	1.68	2.08	2.12	1.83	1.50	1.64	1.67	1.88	1.07	0.47	0.30	0.39	0.31	0.38	0.46	0.68	1.55	1.47	2.07	2.38	1.98	2.23	1.68	2.11	0.95	2.38	0.09
Min	-0.04	-0.03	-0.04	-0.08	-0.09	-0.07	-0.14	-0.21	-0.24	-0.32	-0.43	-0.70	-0.85	-0.78	-0.47	-0.25	-0.07	0.04	-0.05	-0.04	-0.04	-0.03	-0.05	-0.04	0.01	0.38	-0.85

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
December 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.22	0.16	0.20	0.29	0.33	0.22	0.21	0.22	0.17	0.08	0.03	-0.07	-0.08	0.05	0.06	0.12	0.18	0.20	0.16	0.14	0.25	0.29	0.28	0.20	0.16	0.33	-0.08
2	0.24	0.16	0.31	0.49	0.37	0.04	0.15	0.03	0.01	0.07	0.03	0.01	0.01	-0.03	-0.06	-0.05	-0.07	-0.12	-0.08	-0.07	-0.08	-0.05	-0.07	-0.07	0.05	0.49	-0.12
3	-0.06	-0.07	-0.10	-0.09	-0.08	0.08	0.10	-0.05	-0.12	-0.17	-0.18	-0.18	-0.19	-0.14	-0.09	-0.08	-0.03	0.21	0.20	0.10	0.14	0.42	0.52	0.33	0.02	0.52	-0.19
4	0.10	0.01	-0.03	0.29	0.17	0.00	-0.04	-0.04	-0.02	-0.13	-0.17	-0.20	-0.21	-0.24	-0.16	-0.04	0.28	0.79	0.75	0.93	0.53	0.33	0.48	0.62	0.17	0.93	-0.24
5	0.50	0.96	1.13	0.77	0.67	1.04	1.01	0.79	0.59	-0.13	-0.20	-0.12	0.22	0.06	-0.02	0.17	1.18	0.93	1.20	1.09	1.27	1.57	0.75	1.33	0.70	1.57	-0.20
6	1.77	1.20	0.90	1.07	0.35	0.22	0.22	0.24	0.17	-0.11	-0.29	-0.61	-0.22	-0.26	-0.14	0.12	0.33	0.42	0.50	0.31	0.33	0.32	0.24	0.29	0.31	1.77	-0.61
7	0.21	0.33	0.36	0.39	0.37	0.41	0.25	0.43	0.39	-0.14	-0.34	-0.43	-0.23	-0.28	-0.12	0.22	0.57	0.72	0.84	0.82	0.55	0.53	0.68	0.70	0.30	0.84	-0.43
8	0.88	0.85	0.72	0.28	0.36	0.28	0.35	0.04	-0.01	-0.09	-0.21	-0.23	-0.24	-0.28	-0.11	0.08	0.49	0.47	0.25	0.04	0.08	0.33	0.80	1.64	0.28	1.64	-0.28
9	1.01	0.55	0.51	0.42	0.40	0.08	-0.06	-0.07	-0.10	-0.10	-0.08	-0.08	-0.09	-0.07	-0.09	0.01	0.05	0.01	0.04	0.03	0.06	0.48	0.21	0.14	0.14	1.01	-0.10
10	0.09	0.05	0.00	-0.01	0.00	0.03	0.00	0.02	-0.01	-0.02	-0.03	-0.04	0.00	0.03	0.19	0.03	0.06	0.05	0.33	0.98	0.94	0.93	1.43	1.69	0.28	1.69	-0.04
11	2.57	1.84	2.31	2.27	3.34	3.09	2.67	2.62	1.86	2.23	2.05	1.12	0.63	0.35	0.50	0.79	1.60	1.67	1.37	0.97	1.08	0.24	0.07	0.16	1.56	3.34	0.07
12	0.19	0.50	0.50	0.51	0.75	0.62	0.46	0.44	0.64	0.87	0.87	0.98	0.36	0.30	0.26	0.63	0.63	0.76	0.19	0.91	1.08	1.07	0.90	0.93	0.64	1.08	0.19
13	0.75	1.26	0.89	0.42	0.12	0.11	0.14	0.10	0.08	0.07	0.08	0.18	0.12	0.11	0.19	0.22	0.27	0.45	0.44	0.36	0.35	0.47	0.41	0.27	0.33	1.26	0.07
14	0.31	0.20	0.29	0.18	0.35	0.65	0.83	0.67	0.35	0.34	0.26	0.19	0.18	0.21	0.12	0.12	0.26	0.24	0.14	0.19	0.22	0.24	0.50	0.60	0.32	0.83	0.12
15	0.59	0.49	0.66	0.56	0.60	0.61	0.63	0.98	0.84	0.57	0.47	0.56	0.63	0.57	0.39	0.49	0.58	0.56	0.44	0.50	0.51	0.48	0.71	0.64	0.59	0.98	0.39
16	0.47	0.37	0.42	0.42	0.41	0.74	0.49	0.66	0.58	0.37	0.32	0.30	0.25	0.27	0.31	0.43	0.46	0.41	0.68	0.44	0.38	0.51	0.98	0.67	0.47	0.98	0.25
17	1.65	2.43	2.72	0.65	0.61	0.57	0.71	0.93	1.04	1.27	1.41	Au	Au	Au	0.74	0.87	1.25	1.63	1.38	2.51	1.90	1.26	1.56	2.30	1.40	2.72	0.57
18	1.85	1.92	2.06	2.43	2.34	1.09	0.77	0.70	0.63	0.98	0.57	0.67	0.35	0.50	0.71	0.93	0.37	0.72	0.67	0.65	0.04	-0.06	-0.12	-0.11	0.86	2.43	-0.12
19	-0.08	-0.08	-0.06	-0.10	-0.10	-0.15	-0.16	-0.13	-0.13	-0.07	0.07	-0.10	-0.18	-0.36	-0.49	0.08	1.13	1.13	1.37	0.97	0.95	1.17	1.41	1.15	0.30	1.41	-0.49
20	0.92	1.03	1.29	1.23	1.70	1.72	1.42	1.34	1.49	1.27	1.10	1.90	0.82	0.23	0.18	0.17	-0.02	0.01	-0.01	-0.02	0.02	0.04	0.12	0.04	0.75	1.90	-0.02
21	0.22	0.18	0.05	0.06	0.03	0.03	0.02	0.06	0.05	0.04	0.03	0.01	0.04	0.03	0.05	0.12	0.25	0.42	0.38	0.49	0.53	0.37	0.39	0.26	0.17	0.53	0.01
22	0.26	0.12	0.02	0.13	0.15	0.00	0.15	0.07	0.31	0.08	0.16	0.11	0.01	0.29	1.13	1.35	0.88	1.46	1.13	0.56	1.24	1.92	2.23	2.02	0.66	2.23	0.00
23	1.80	1.88	0.67	0.23	0.15	0.25	0.44	0.86	0.71	0.59	0.87	0.50	0.20	0.23	0.24	0.24	0.32	0.72	0.35	0.37	0.25	0.03	0.02	0.28	0.51	1.88	0.02
24	0.21	0.04	0.02	0.00	-0.01	-0.01	0.05	0.14	0.10	0.32	0.29	0.34	0.21	0.22	0.26	0.30	0.28	0.83	1.15	1.13	1.29	1.48	2.08	1.41	0.51	2.08	-0.01
25	1.91	2.28	2.13	2.49	2.05	1.94	2.29	2.02	1.86	2.00	1.35	1.81	1.43	1.77	1.77	1.60	2.38	1.92	0.22	0.65	1.07	1.48	1.18	1.24	1.70	2.49	0.22
26	0.42	0.30	0.34	0.47	1.68	3.50	2.54	1.32	0.73	0.92	1.91	1.70	0.39	0.44	0.37	0.80	0.46	0.42	0.36	0.34	0.40	0.50	0.47	0.96	0.91	3.50	0.30
27	1.73	2.62	2.64	1.99	2.40	1.24	0.74	0.99	2.28	2.22	1.51	2.12	2.10	1.46	0.58	1.09	1.39	1.31	1.79	2.24	1.67	1.85	1.86	1.87	1.74	2.64	0.58
28	1.54	0.63	0.42	0.36	0.19	0.00	-0.02	-0.07	-0.05	0.22	0.30	0.09	-0.02	-0.06	-0.12	0.07	0.74	1.37	0.53	0.49	0.17	0.35	0.26	0.26	0.32	1.54	-0.12
29	0.64	0.59	0.66	1.15	2.40	1.92	1.69	1.33	1.99	3.23	0.62	0.24	0.13	0.10	0.12	0.16	0.13	0.26	0.45	0.55	0.45	0.59	0.63	0.65	0.86	3.23	0.10
30	0.78	0.60	0.33	0.62	0.51	1.26	0.79	0.79	1.01	1.65	1.27	0.32	0.36	0.27	0.24	0.34	0.43	0.59	0.30	0.48	0.90	0.50	0.24	0.26	0.62	1.65	0.24
31	0.21	0.15	0.12	0.19	0.22	0.17	0.22	0.17	0.15	0.15	0.08	0.09	0.09	0.01	0.06	0.00	0.04	0.09	0.14	0.18	0.17	0.31	0.28	0.15	0.14	0.31	0.00
Avg	0.77	0.76	0.73	0.65	0.74	0.70	0.61	0.57	0.57	0.60	0.46	0.37	0.24	0.19	0.23	0.37	0.54	0.67	0.57	0.62	0.60	0.64	0.69	0.74	0.57	1.61	0.00
Max	2.57	2.62	2.72	2.49	3.34	3.50	2.67	2.62	2.28	3.23	2.05	2.12	2.10	1.77	1.77	1.60	2.38	1.92	1.79	2.51	1.90	1.92	2.23	2.30	1.74	3.50	0.58
Min	-0.08	-0.08	-0.10	-0.10	-0.10	-0.15	-0.16	-0.13	-0.13	-0.17	-0.34	-0.61	-0.24	-0.36	-0.49	-0.08	-0.07	-0.12	-0.08	-0.07	-0.08	-0.06	-0.12	-0.11	0.02	0.31	-0.61

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
October 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
2	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
3	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
4	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
5	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
6	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
7	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	529.0	552.8	351.0	572.5	155.9	144.2	109.8	36.5	0.0	0.0	0.0	0.0	0.0	0.0	175.1	572.5	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	7.7	128.2	301.0	334.1	583.8	622.9	625.1	572.5	473.0	336.3	157.5	35.8	0.0	0.0	0.0	0.0	0.0	0.0	174.1	625.1	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	3.8	122.0	298.0	453.6	549.0	603.9	436.9	548.7	484.0	378.4	85.8	8.3	0.0	0.0	0.0	0.0	0.0	0.0	165.5	603.9	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	4.4	31.1	109.2	85.6	161.7	300.2	268.5	299.4	177.2	331.8	100.8	18.9	0.0	0.0	0.0	0.0	0.0	0.0	78.7	331.8	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	5.0	47.9	155.8	311.4	269.7	439.7	378.9	258.7	206.4	129.3	75.3	17.6	0.0	0.0	0.0	0.0	0.0	0.0	95.7	439.7	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	5.4	81.0	222.6	414.6	305.6	381.7	205.0	69.2	30.8	24.2	55.1	6.6	0.0	0.0	0.0	0.0	0.0	0.0	75.1	414.6	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	1.3	23.6	137.0	208.2	190.3	114.9	286.6	221.8	262.2	84.2	59.7	22.0	0.0	0.0	0.0	0.0	0.0	0.0	67.2	286.6	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	2.7	52.5	274.4	432.2	529.5	599.7	604.4	552.4	452.2	314.9	154.0	15.9	0.0	0.0	0.0	0.0	0.0	0.0	166.0	604.4	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	3.3	44.8	149.7	204.4	238.8	152.6	131.8	147.5	185.9	172.5	61.8	7.5	0.0	0.0	0.0	0.0	0.0	0.0	62.5	238.8	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	1.2	21.8	74.4	86.1	85.5	264.1	275.3	254.8	277.4	175.7	28.1	4.3	0.0	0.0	0.0	0.0	0.0	0.0	64.5	277.4	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	1.8	70.3	263.3	399.5	520.8	623.9	510.3	384.8	432.5	286.0	130.8	10.5	0.0	0.0	0.0	0.0	0.0	0.0	151.4	623.9	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	1.2	50.7	149.5	319.4	310.1	309.2	457.6	195.9	391.2	266.3	110.2	4.8	0.0	0.0	0.0	0.0	0.0	0.0	106.9	457.6	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.7	34.0	146.5	288.8	301.0	366.1	371.1	434.0	349.2	352.2	111.6	7.2	0.0	0.0	0.0	0.0	0.0	0.0	115.1	434.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	1.5	24.0	97.7	313.0	486.4	558.2	571.7	339.9	393.8	331.1	118.9	7.0	0.0	0.0	0.0	0.0	0.0	0.0	135.1	571.7	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.7	42.3	230.1	383.8	479.7	554.5	548.8	500.5	401.1	268.5	113.2	5.5	0.0	0.0	0.0	0.0	0.0	0.0	147.0	554.5	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.8	52.4	239.9	379.2	484.7	540.2	544.0	493.8	394.5	260.1	105.9	4.9	0.0	0.0	0.0	0.0	0.0	0.0	145.8	544.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.9	39.1	221.1	373.9	476.8	533.6	535.4	484.5	384.8	255.4	103.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	142.2	535.4	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.8	51.4	232.5	369.0	473.7	531.1	537.7	490.4	387.6	251.0	66.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	141.4	537.7	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.3	43.0	294.7	371.5	477.9	536.4	544.9	493.6	395.0	258.9	99.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	146.6	544.9	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	1.3	42.8	162.4	337.1	441.7	507.4	534.0	499.2	339.4	115.4	15.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	124.9	534.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	24.6	41.3	67.2	100.1	130.4	130.7	91.9	48.1	14.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	27.3	130.7	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8	73.3	139.8	204.4	266.8	224.8	319.1	357.1	228.2	76.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	79.6	357.1	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.2	194.1	342.4	445.1	503.5	508.3	456.1	357.8	225.5	74.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	130.7	508.3	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.0	48.2	186.3	212.7	339.6	208.8	153.7	177.2	120.6	31.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	62.6	339.6	0.0
Avg	0.0	0.0	0.0	0.0	0.0	0.0	1.9	46.9	178.3	294.6	367.7	429.3	408.0	369.7	314.9	223.3	85.8	9.6	0.0	0.0	0.0	0.0	0.0	0.0	114.8	461.2	0.0
Max	0.0	0.0	0.0	0.0	0.0	0.0	7.7	128.2	301.0	453.6	583.8	623.9	625.1	572.5	484.0	378.4	157.5	36.5	0.0	0.0	0.0	0.0	0.0	0.0	175.1	625.1	0.0
Min	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	24.6	41.3	67.2	100.1	130.4	69.2	30.8	24.2	14.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	27.3	130.7	0.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
November 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.9	192.8	233.0	372.9	554.4	582.6	500.9	325.4	184.3	69.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0	127.3	582.6	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	70.0	142.3	191.9	139.9	272.3	388.6	193.0	47.9	19.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.5	388.6	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.8	89.0	71.3	248.4	258.6	218.2	224.1	157.2	78.6	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.9	258.6	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.3	93.3	244.6	303.7	277.7	437.3	142.3	165.1	212.2	25.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	80.3	437.3	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.3	109.0	301.8	433.2	482.1	478.9	428.6	326.0	94.7	19.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	111.9	482.1	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	40.5	135.0	230.0	370.0	369.4	366.9	170.3	180.5	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78.4	370.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.3	114.2	177.3	138.5	124.0	138.9	93.9	131.6	94.6	23.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.9	177.3	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4	54.7	61.6	98.5	79.6	83.5	98.9	62.7	30.6	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.8	98.9	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.3	150.1	298.1	372.5	407.2	410.2	358.9	219.9	133.5	32.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	410.2	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	19.3	45.6	74.9	81.9	139.0	143.7	49.8	26.1	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.1	143.7	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	44.0	95.8	131.2	231.2	245.5	145.9	222.2	177.0	22.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.0	245.5	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	94.0	293.3	389.1	453.3	438.3	440.2	217.9	124.7	25.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	103.7	453.3	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	110.2	274.0	390.5	453.5	459.7	460.6	158.4	66.6	25.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.2	460.6	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	60.0	71.1	106.3	130.7	126.7	116.8	76.4	57.1	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	130.7	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	57.9	69.7	85.0	142.5	398.5	282.8	302.8	56.9	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.4	398.5	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	18.9	38.6	68.9	223.1	147.7	236.3	125.4	46.8	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.2	236.3	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	70.3	112.7	205.8	263.3	133.7	175.3	150.7	50.9	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.4	263.3	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	129.2	253.5	238.3	200.2	225.9	243.5	177.9	109.0	16.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.7	253.5	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	45.8	184.4	348.5	293.1	285.4	207.0	111.0	83.7	18.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.9	348.5	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	20.3	47.3	89.8	118.6	129.9	120.7	77.8	73.7	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0	129.9	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	127.3	259.0	353.1	415.2	422.3	375.9	280.8	153.7	22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.6	422.3	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	110.1	238.8	343.9	404.7	412.2	365.2	272.5	148.5	20.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	96.7	412.2	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	109.0	240.9	344.2	404.1	414.9	362.5	271.6	147.8	19.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	96.6	414.9	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	100.7	144.7	170.6	229.6	362.6	342.3	255.8	136.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	73.6	362.6	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	100.4	224.9	328.4	384.8	392.3	344.9	254.8	135.8	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91.1	392.3	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	86.0	227.6	311.3	374.6	378.3	349.4	218.4	136.0	14.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.5	378.3	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	38.3	99.4	221.6	240.3	418.0	340.9	130.0	54.0	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.7	418.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	69.8	191.3	330.0	336.7	379.6	347.4	264.4	86.4	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84.4	379.6	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	57.4	162.3	316.1	370.1	378.1	321.8	245.6	115.3	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.8	378.1	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	56.4	154.1	231.1	322.3	349.8	174.9	66.4	36.8	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.7	349.8	0.0
Avg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	81.3	169.8	248.9	292.2	321.0	283.4	189.4	102.7	19.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	71.5	339.3	0.0
Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.9	192.8	301.8	433.2	554.4	582.6	500.9	326.0	212.2	69.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0	127.3	582.6	0.0
Min	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	18.9	38.6	68.9	79.6	83.5	93.9	49.8	26.1	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.8	98.9	0.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
December 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4	36.6	43.4	88.5	103.2	45.5	47.4	19.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.7	103.2	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	27.9	69.2	132.2	118.1	103.5	59.3	27.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.9	132.2	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	20.3	61.2	95.1	129.4	173.1	156.4	110.1	73.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.5	173.1	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	46.3	139.1	166.4	264.2	317.9	244.3	142.8	74.0	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.6	317.9	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	74.9	219.6	312.9	375.8	388.1	346.5	281.8	158.4	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.6	388.1	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	61.0	159.1	286.3	336.2	380.9	338.9	255.2	91.6	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.9	380.9	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	66.8	208.0	297.7	368.9	381.1	338.8	248.3	124.6	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85.3	381.1	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	28.3	108.8	172.4	193.1	205.6	217.5	132.8	86.3	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.0	217.5	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	19.0	75.2	119.7	154.0	187.4	191.1	244.4	59.5	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.1	244.4	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	85.1	146.1	212.6	196.6	202.6	179.9	56.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.8	212.6	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	36.6	159.0	280.6	348.6	363.4	304.4	210.1	97.1	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.5	363.4	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	36.0	81.7	100.8	105.9	111.6	104.8	92.1	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5	111.6	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	61.9	139.3	286.4	239.6	186.6	131.3	63.6	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.0	286.4	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	27.3	174.2	313.9	209.2	193.0	126.0	111.6	53.5	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.7	313.9	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	41.3	67.3	83.2	105.3	64.3	48.8	19.3	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7	105.3	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	20.0	76.4	116.5	138.1	234.2	172.7	99.6	39.1	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.6	234.2	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	19.7	127.7	158.9	Au	Au	Au	325.1	194.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.4	325.1	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	61.2	104.4	206.2	312.1	228.6	120.6	55.0	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.4	312.1	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	121.3	269.3	351.7	369.0	333.9	253.5	134.4	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.4	369.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	28.3	173.2	285.8	210.5	249.3	273.5	177.9	39.4	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.2	285.8	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1	47.2	95.5	143.7	140.6	132.7	101.0	38.2	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.9	143.7	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	33.8	50.1	67.1	85.6	85.7	43.6	52.4	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8	85.7	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	18.1	27.6	31.5	30.1	30.2	41.4	39.2	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	41.4	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6	126.3	265.1	341.8	425.5	412.4	244.9	101.2	25.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81.6	425.5	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	18.9	128.0	240.0	292.4	300.6	334.6	219.8	144.5	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.8	334.6	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0	191.4	191.9	256.8	357.1	325.1	237.6	95.2	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.5	357.1	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.8	159.6	270.6	345.6	372.0	377.5	299.7	108.7	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.3	377.5	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1	140.7	269.2	346.6	342.0	261.2	145.0	61.1	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.7	346.6	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.8	196.9	276.3	244.7	166.9	133.6	116.8	60.0	16.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.8	276.3	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1	82.2	181.3	308.7	260.2	299.2	143.5	46.4	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.3	308.7	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	30.4	56.5	51.8	53.8	56.4	60.6	47.3	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.6	60.6	0.0
Avg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	23.6	106.7	175.8	220.7	238.6	214.5	159.3	75.9	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.4	258.6	0.0
Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	74.9	219.6	313.9	375.8	425.5	412.4	325.1	194.0	25.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.6	425.5	0.0
Min	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	18.1	27.6	31.5	30.1	30.2	41.4	19.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	41.4	0.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
October 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
2	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
3	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
4	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
5	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
6	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
7	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	24.25	24.24	24.24	24.26	24.26	24.27	24.29	24.31	24.32	24.34	24.35	24.36	24.38	24.38	24.30	24.38	24.24
9	24.39	24.40	24.41	24.42	24.42	24.43	24.43	24.43	24.45	24.45	24.44	24.43	24.41	24.39	24.38	24.36	24.35	24.34	24.34	24.33	24.32	24.31	24.29	24.27	24.38	24.45	24.27
10	24.26	24.25	24.24	24.23	24.22	24.21	24.21	24.21	24.22	24.22	24.21	24.21	24.19	24.18	24.18	24.18	24.20	24.21	24.22	24.24	24.25	24.26	24.27	24.26	24.22	24.27	24.18
11	24.26	24.28	24.29	24.30	24.31	24.32	24.34	24.35	24.37	24.38	24.39	24.40	24.39	24.39	24.39	24.40	24.40	24.40	24.40	24.40	24.40	24.42	24.43	24.43	24.37	24.43	24.26
12	24.43	24.44	24.44	24.44	24.43	24.44	24.44	24.44	24.43	24.45	24.44	24.44	24.43	24.42	24.43	24.43	24.44	24.45	24.46	24.47	24.48	24.49	24.49	24.49	24.45	24.49	24.42
13	24.49	24.49	24.48	24.50	24.49	24.48	24.50	24.50	24.52	24.52	24.51	24.50	24.48	24.47	24.48	24.49	24.50	24.52	24.53	24.54	24.55	24.55	24.55	24.55	24.51	24.55	24.47
14	24.55	24.55	24.56	24.56	24.57	24.57	24.58	24.61	24.63	24.64	24.65	24.66	24.66	24.66	24.66	24.67	24.67	24.68	24.69	24.70	24.70	24.71	24.71	24.71	24.64	24.71	24.55
15	24.71	24.71	24.71	24.70	24.69	24.68	24.68	24.68	24.68	24.68	24.66	24.65	24.62	24.59	24.57	24.56	24.55	24.54	24.53	24.52	24.52	24.52	24.51	24.50	24.61	24.71	24.50
16	24.50	24.49	24.48	24.48	24.46	24.46	24.46	24.46	24.45	24.46	24.46	24.47	24.47	24.46	24.47	24.48	24.48	24.49	24.50	24.50	24.52	24.52	24.53	24.52	24.48	24.53	24.45
17	24.52	24.51	24.50	24.49	24.49	24.49	24.49	24.50	24.50	24.51	24.51	24.52	24.51	24.50	24.50	24.50	24.50	24.51	24.52	24.54	24.55	24.56	24.56	24.55	24.51	24.56	24.49
18	24.55	24.56	24.56	24.56	24.56	24.57	24.57	24.57	24.56	24.57	24.56	24.55	24.53	24.51	24.50	24.49	24.48	24.47	24.46	24.45	24.44	24.44	24.44	24.45	24.52	24.57	24.44
19	24.43	24.43	24.43	24.43	24.43	24.42	24.42	24.42	24.42	24.43	24.42	24.41	24.40	24.38	24.37	24.36	24.36	24.35	24.35	24.36	24.40	24.42	24.44	24.45	24.41	24.45	24.35
20	24.46	24.47	24.46	24.46	24.47	24.47	24.47	24.47	24.49	24.50	24.50	24.49	24.48	24.47	24.46	24.46	24.46	24.46	24.46	24.47	24.47	24.48	24.48	24.48	24.47	24.50	24.46
21	24.49	24.49	24.50	24.51	24.52	24.52	24.52	24.52	24.53	24.55	24.55	24.55	24.53	24.53	24.53	24.53	24.53	24.53	24.53	24.53	24.54	24.55	24.55	24.56	24.53	24.56	24.49
22	24.56	24.56	24.56	24.55	24.55	24.55	24.56	24.56	24.58	24.58	24.57	24.56	24.55	24.53	24.53	24.53	24.53	24.53	24.54	24.54	24.54	24.54	24.55	24.54	24.55	24.58	24.53
23	24.55	24.55	24.55	24.56	24.57	24.57	24.57	24.58	24.60	24.60	24.60	24.59	24.58	24.57	24.57	24.57	24.57	24.57	24.58	24.59	24.59	24.59	24.60	24.60	24.58	24.60	24.55
24	24.61	24.61	24.60	24.61	24.61	24.60	24.60	24.60	24.61	24.61	24.60	24.59	24.57	24.56	24.55	24.54	24.54	24.53	24.53	24.53	24.53	24.53	24.52	24.53	24.57	24.61	24.52
25	24.54	24.54	24.54	24.54	24.55	24.56	24.57	24.58	24.60	24.62	24.62	24.62	24.62	24.62	24.62	24.63	24.63	24.64	24.64	24.65	24.65	24.65	24.66	24.65	24.61	24.66	24.54
26	24.65	24.65	24.65	24.64	24.64	24.64	24.64	24.64	24.65	24.65	24.65	24.64	24.61	24.59	24.57	24.56	24.54	24.53	24.52	24.50	24.48	24.47	24.46	24.44	24.58	24.65	24.44
27	24.42	24.40	24.38	24.36	24.35	24.34	24.33	24.32	24.31	24.31	24.31	24.30	24.29	24.28	24.28	24.31	24.34	24.37	24.39	24.41	24.43	24.45	24.45	24.46	24.36	24.46	24.28
28	24.46	24.46	24.46	24.46	24.46	24.46	24.47	24.47	24.47	24.47	24.47	24.46	24.44	24.42	24.41	24.41	24.42	24.42	24.42	24.42	24.41	24.42	24.41	24.40	24.44	24.47	24.40
29	24.38	24.37	24.35	24.33	24.33	24.34	24.32	24.32	24.32	24.30	24.29	24.29	24.28	24.28	24.27	24.26	24.26	24.25	24.25	24.26	24.25	24.26	24.25	24.24	24.29	24.38	24.24
30	24.24	24.23	24.23	24.22	24.23	24.24	24.24	24.25	24.26	24.27	24.27	24.27	24.25	24.24	24.25	24.25	24.26	24.26	24.27	24.27	24.26	24.28	24.27	24.27	24.25	24.28	24.22
31	24.26	24.26	24.25	24.25	24.26	24.26	24.25	24.27	24.28	24.28	24.27	24.26	24.25	24.24	24.26	24.27	24.27	24.28	24.30	24.32	24.34	24.36	24.38	24.39	24.28	24.39	24.24
Avg	24.47	24.47	24.46	24.46	24.46	24.46	24.46	24.47	24.48	24.48	24.47	24.46	24.45	24.44	24.44	24.44	24.44	24.44	24.45	24.45	24.46	24.46	24.47	24.46	24.46	24.51	24.40
Max	24.71	24.71	24.71	24.70	24.69	24.68	24.68	24.68	24.68	24.68	24.66	24.66	24.66	24.66	24.66	24.67	24.67	24.68	24.69	24.70	24.70	24.71	24.71	24.71	24.64	24.71	24.55
Min	24.24	24.23	24.23	24.22	24.22	24.21	24.21	24.21	24.22	24.22	24.21	24.21	24.19	24.18	24.18	24.18	24.20	24.21	24.22	24.24	24.25	24.26	24.25	24.24	24.22	24.27	24.18

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
November 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.40	24.42	24.44	24.45	24.45	24.47	24.48	24.49	24.51	24.52	24.51	24.50	24.50	24.48	24.48	24.49	24.48	24.49	24.48	24.48	24.47	24.48	24.48	24.47	24.48	24.52	24.40
2	24.45	24.44	24.41	24.39	24.37	24.33	24.31	24.28	24.27	24.24	24.21	24.18	24.14	24.11	24.08	24.07	24.06	24.05	24.06	24.08	24.07	24.06	24.07	24.07	24.20	24.45	24.05
3	24.08	24.08	24.09	24.08	24.09	24.09	24.09	24.09	24.09	24.11	24.11	24.12	24.13	24.13	24.14	24.16	24.18	24.19	24.20	24.21	24.22	24.24	24.25	24.25	24.14	24.25	24.08
4	24.25	24.26	24.26	24.27	24.28	24.28	24.29	24.31	24.31	24.31	24.31	24.31	24.30	24.29	24.29	24.30	24.30	24.33	24.35	24.36	24.37	24.38	24.38	24.38	24.31	24.38	24.25
5	24.38	24.38	24.38	24.39	24.39	24.39	24.38	24.38	24.39	24.39	24.39	24.39	24.37	24.36	24.36	24.36	24.36	24.36	24.38	24.38	24.38	24.38	24.39	24.38	24.38	24.39	24.36
6	24.39	24.39	24.39	24.40	24.40	24.41	24.41	24.43	24.46	24.48	24.49	24.50	24.51	24.52	24.53	24.54	24.55	24.56	24.57	24.59	24.60	24.61	24.61	24.62	24.50	24.62	24.39
7	24.62	24.61	24.60	24.59	24.58	24.56	24.55	24.53	24.51	24.49	24.47	24.44	24.40	24.36	24.33	24.30	24.27	24.24	24.21	24.18	24.16	24.14	24.11	24.14	24.39	24.62	24.11
8	24.15	24.16	24.16	24.16	24.17	24.19	24.20	24.22	24.24	24.25	24.27	24.28	24.28	24.28	24.30	24.31	24.32	24.33	24.34	24.35	24.37	24.38	24.40	24.41	24.27	24.41	24.15
9	24.42	24.43	24.44	24.45	24.46	24.47	24.49	24.50	24.50	24.52	24.53	24.52	24.51	24.50	24.49	24.49	24.49	24.48	24.48	24.48	24.48	24.48	24.48	24.48	24.48	24.53	24.42
10	24.48	24.47	24.47	24.47	24.46	24.47	24.46	24.46	24.47	24.47	24.48	24.48	24.47	24.47	24.47	24.47	24.47	24.47	24.48	24.49	24.49	24.51	24.51	24.52	24.48	24.52	24.46
11	24.53	24.54	24.55	24.56	24.58	24.60	24.61	24.63	24.65	24.66	24.68	24.69	24.69	24.70	24.71	24.71	24.72	24.73	24.73	24.73	24.73	24.73	24.73	24.73	24.66	24.73	24.53
12	24.74	24.73	24.73	24.72	24.72	24.71	24.71	24.70	24.71	24.70	24.71	24.70	24.67	24.65	24.64	24.64	24.62	24.61	24.62	24.62	24.60	24.61	24.60	24.59	24.67	24.74	24.59
13	24.58	24.58	24.58	24.58	24.57	24.56	24.55	24.55	24.55	24.55	24.53	24.51	24.49	24.47	24.49	24.49	24.48	24.50	24.50	24.51	24.50	24.50	24.50	24.48	24.53	24.58	24.47
14	24.47	24.45	24.44	24.43	24.41	24.40	24.39	24.38	24.37	24.37	24.35	24.33	24.30	24.27	24.25	24.23	24.21	24.20	24.18	24.17	24.16	24.15	24.14	24.12	24.30	24.47	24.12
15	24.11	24.09	24.07	24.05	24.03	24.02	24.02	24.01	24.01	24.00	23.99	23.97	23.95	23.92	23.91	23.89	23.89	23.88	23.86	23.84	23.83	23.81	23.80	23.78	23.95	24.11	23.78
16	23.77	23.76	23.74	23.73	23.71	23.70	23.69	23.70	23.70	23.70	23.71	23.71	23.70	23.70	23.70	23.73	23.75	23.77	23.81	23.83	23.86	23.89	23.90	23.93	23.76	23.93	23.69
17	23.95	23.97	23.99	24.01	24.03	24.04	24.05	24.07	24.09	24.11	24.14	24.16	24.17	24.19	24.20	24.22	24.24	24.25	24.26	24.27	24.27	24.27	24.27	24.27	24.15	24.27	23.95
18	24.27	24.27	24.26	24.27	24.28	24.29	24.30	24.31	24.32	24.32	24.32	24.31	24.30	24.28	24.26	24.25	24.24	24.22	24.22	24.20	24.20	24.18	24.17	24.15	24.26	24.32	24.15
19	24.15	24.13	24.11	24.10	24.09	24.08	24.08	24.08	24.08	24.08	24.07	24.07	24.05	24.04	24.03	24.03	24.04	24.04	24.04	24.05	24.06	24.07	24.07	24.08	24.07	24.15	24.03
20	24.08	24.09	24.09	24.08	24.07	24.07	24.07	24.12	24.17	24.23	24.27	24.29	24.32	24.34	24.38	24.41	24.44	24.45	24.47	24.49	24.51	24.52	24.52	24.53	24.29	24.53	24.07
21	24.53	24.53	24.54	24.56	24.57	24.59	24.60	24.63	24.67	24.68	24.68	24.68	24.68	24.68	24.68	24.68	24.69	24.70	24.71	24.72	24.72	24.71	24.71	24.72	24.65	24.72	24.53
22	24.72	24.72	24.72	24.73	24.74	24.75	24.76	24.78	24.80	24.80	24.80	24.80	24.79	24.79	24.78	24.78	24.78	24.80	24.81	24.81	24.82	24.82	24.82	24.82	24.78	24.82	24.72
23	24.81	24.80	24.81	24.80	24.79	24.79	24.78	24.77	24.76	24.74	24.74	24.72	24.70	24.68	24.65	24.63	24.61	24.59	24.59	24.58	24.58	24.56	24.56	24.55	24.69	24.81	24.55
24	24.53	24.51	24.51	24.50	24.49	24.48	24.47	24.48	24.48	24.47	24.46	24.47	24.46	24.45	24.45	24.45	24.45	24.45	24.47	24.48	24.50	24.51	24.53	24.54	24.48	24.54	24.45
25	24.55	24.55	24.56	24.56	24.56	24.57	24.58	24.60	24.61	24.62	24.64	24.64	24.63	24.62	24.62	24.63	24.63	24.63	24.64	24.65	24.65	24.66	24.66	24.67	24.61	24.67	24.55
26	24.67	24.67	24.67	24.67	24.66	24.66	24.65	24.65	24.64	24.64	24.64	24.62	24.60	24.58	24.56	24.54	24.53	24.51	24.50	24.49	24.47	24.47	24.47	24.46	24.58	24.67	24.46
27	24.45	24.44	24.44	24.44	24.43	24.44	24.44	24.44	24.44	24.45	24.47	24.46	24.46	24.45	24.44	24.43	24.43	24.44	24.44	24.46	24.46	24.46	24.47	24.47	24.45	24.47	24.43
28	24.47	24.47	24.47	24.47	24.46	24.45	24.45	24.45	24.45	24.44	24.45	24.44	24.42	24.41	24.40	24.40	24.40	24.40	24.40	24.41	24.42	24.42	24.43	24.44	24.43	24.47	24.40
29	24.44	24.44	24.45	24.45	24.45	24.45	24.46	24.46	24.46	24.47	24.48	24.46	24.45	24.44	24.43	24.44	24.43	24.44	24.44	24.44	24.45	24.47	24.47	24.47	24.45	24.48	24.43
30	24.46	24.47	24.47	24.47	24.46	24.47	24.48	24.48	24.48	24.49	24.49	24.48	24.47	24.46	24.45	24.45	24.45	24.46	24.45	24.45	24.44	24.43	24.44	24.43	24.46	24.49	24.43
Avg	24.40	24.40	24.39	24.39	24.39	24.39	24.39	24.40	24.41	24.41	24.41	24.41	24.40	24.39	24.38	24.38	24.38	24.39	24.39	24.39	24.39	24.40	24.40	24.40	24.40	24.49	24.30
Max	24.81	24.80	24.81	24.80	24.79	24.79	24.78	24.78	24.80	24.80	24.80	24.80	24.79	24.79	24.78	24.78	24.78	24.80	24.81	24.81	24.82	24.82	24.82	24.82	24.78	24.82	24.72
Min	23.77	23.76	23.74	23.73	23.71	23.70	23.69	23.70	23.70	23.70	23.71	23.71	23.70	23.70	23.70	23.73	23.75	23.77	23.81	23.83	23.83	23.81	23.80	23.78	23.76	23.93	23.69

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
December 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.43	24.42	24.42	24.40	24.39	24.37	24.35	24.32	24.29	24.28	24.25	24.20	24.16	24.14	24.11	24.11	24.11	24.12	24.12	24.12	24.11	24.10	24.09	24.08	24.23	24.43	24.08
2	24.05	24.03	24.01	23.99	23.98	23.97	23.96	23.95	23.96	23.96	23.96	23.95	23.93	23.93	23.96	23.99	24.03	24.06	24.08	24.11	24.12	24.14	24.15	24.17	24.02	24.17	23.93
3	24.18	24.20	24.21	24.21	24.22	24.22	24.23	24.26	24.27	24.29	24.30	24.30	24.29	24.28	24.29	24.29	24.31	24.32	24.33	24.33	24.34	24.34	24.34	24.34	24.28	24.34	24.18
4	24.33	24.33	24.33	24.32	24.32	24.32	24.33	24.34	24.35	24.36	24.37	24.36	24.35	24.34	24.34	24.34	24.35	24.35	24.34	24.34	24.33	24.33	24.33	24.32	24.34	24.37	24.32
5	24.31	24.30	24.30	24.29	24.28	24.28	24.28	24.28	24.30	24.34	24.35	24.34	24.32	24.31	24.32	24.32	24.33	24.34	24.34	24.35	24.36	24.36	24.37	24.38	24.32	24.38	24.28
6	24.37	24.37	24.38	24.37	24.37	24.38	24.38	24.39	24.40	24.43	24.46	24.45	24.44	24.42	24.41	24.40	24.39	24.39	24.39	24.39	24.39	24.39	24.38	24.37	24.40	24.46	24.37
7	24.36	24.34	24.33	24.31	24.29	24.27	24.26	24.24	24.25	24.30	24.30	24.28	24.25	24.22	24.21	24.19	24.18	24.18	24.18	24.18	24.18	24.17	24.16	24.16	24.24	24.36	24.16
8	24.15	24.15	24.15	24.16	24.16	24.16	24.18	24.20	24.22	24.25	24.27	24.27	24.28	24.28	24.28	24.30	24.31	24.32	24.33	24.34	24.35	24.34	24.32	24.31	24.25	24.35	24.15
9	24.30	24.28	24.29	24.29	24.29	24.30	24.31	24.31	24.31	24.33	24.35	24.35	24.34	24.34	24.34	24.35	24.34	24.35	24.35	24.35	24.34	24.34	24.32	24.31	24.32	24.35	24.28
10	24.29	24.27	24.27	24.26	24.25	24.25	24.26	24.27	24.30	24.33	24.35	24.36	24.36	24.38	24.39	24.41	24.44	24.45	24.47	24.47	24.48	24.49	24.48	24.49	24.37	24.49	24.25
11	24.48	24.48	24.48	24.48	24.47	24.49	24.49	24.49	24.50	24.50	24.50	24.50	24.49	24.49	24.49	24.49	24.51	24.52	24.53	24.52	24.53	24.53	24.54	24.53	24.50	24.54	24.47
12	24.53	24.51	24.50	24.49	24.47	24.45	24.45	24.45	24.46	24.46	24.46	24.45	24.43	24.40	24.37	24.36	24.33	24.33	24.32	24.33	24.32	24.32	24.32	24.32	24.41	24.53	24.32
13	24.31	24.29	24.29	24.30	24.30	24.30	24.30	24.31	24.32	24.33	24.35	24.36	24.35	24.36	24.37	24.39	24.41	24.42	24.43	24.45	24.47	24.48	24.49	24.50	24.37	24.50	24.29
14	24.50	24.50	24.50	24.51	24.50	24.50	24.49	24.50	24.50	24.51	24.52	24.51	24.50	24.50	24.50	24.50	24.50	24.48	24.46	24.46	24.46	24.46	24.43	24.42	24.49	24.52	24.42
15	24.43	24.43	24.43	24.44	24.45	24.45	24.46	24.46	24.45	24.45	24.44	24.43	24.42	24.41	24.40	24.40	24.40	24.41	24.41	24.41	24.43	24.43	24.43	24.43	24.43	24.46	24.40
16	24.43	24.44	24.44	24.44	24.42	24.43	24.43	24.45	24.45	24.48	24.49	24.50	24.49	24.49	24.49	24.50	24.51	24.52	24.53	24.54	24.55	24.56	24.56	24.56	24.49	24.56	24.42
17	24.56	24.56	24.56	24.56	24.55	24.53	24.52	24.51	24.50	24.47	24.45	Au	Au	Au	24.33	24.34	24.33	24.32	24.30	24.29	24.28	24.27	24.26	24.25	24.42	24.56	24.25
18	24.22	24.21	24.20	24.20	24.18	24.17	24.17	24.16	24.18	24.19	24.19	24.18	24.16	24.14	24.12	24.12	24.12	24.11	24.11	24.11	24.12	24.13	24.14	24.16	24.16	24.22	24.11
19	24.17	24.18	24.20	24.21	24.23	24.24	24.25	24.28	24.31	24.34	24.35	24.34	24.30	24.28	24.26	24.28	24.28	24.28	24.26	24.25	24.24	24.22	24.21	24.21	24.26	24.35	24.17
20	24.20	24.18	24.17	24.15	24.13	24.12	24.10	24.10	24.09	24.10	24.10	24.08	24.04	24.01	23.99	23.98	23.97	23.95	23.94	23.92	23.90	23.90	23.90	23.90	24.04	24.20	23.90
21	23.90	23.90	23.91	23.93	23.95	23.96	24.00	24.03	24.06	24.09	24.11	24.12	24.12	24.14	24.15	24.18	24.19	24.20	24.21	24.23	24.24	24.23	24.24	24.24	24.10	24.24	23.90
22	24.24	24.23	24.24	24.24	24.24	24.25	24.27	24.29	24.31	24.34	24.36	24.37	24.36	24.36	24.38	24.40	24.42	24.44	24.45	24.46	24.46	24.46	24.46	24.46	24.35	24.46	24.23
23	24.45	24.45	24.45	24.44	24.44	24.43	24.42	24.42	24.40	24.39	24.39	24.38	24.38	24.37	24.36	24.35	24.33	24.30	24.28	24.25	24.22	24.22	24.24	24.24	24.36	24.45	24.22
24	24.28	24.31	24.34	24.38	24.40	24.43	24.46	24.48	24.49	24.50	24.51	24.51	24.50	24.49	24.49	24.51	24.53	24.55	24.57	24.59	24.60	24.61	24.62	24.63	24.49	24.63	24.28
25	24.64	24.63	24.63	24.64	24.63	24.63	24.62	24.62	24.63	24.66	24.65	24.63	24.59	24.56	24.54	24.53	24.52	24.51	24.53	24.52	24.51	24.51	24.51	24.53	24.58	24.66	24.51
26	24.54	24.55	24.56	24.56	24.55	24.54	24.54	24.53	24.52	24.54	24.54	24.54	24.52	24.51	24.50	24.50	24.48	24.48	24.49	24.49	24.49	24.48	24.49	24.50	24.52	24.56	24.48
27	24.49	24.48	24.49	24.50	24.50	24.51	24.52	24.54	24.54	24.53	24.52	24.50	24.47	24.45	24.42	24.40	24.38	24.36	24.33	24.32	24.30	24.28	24.28	24.27	24.43	24.54	24.27
28	24.26	24.28	24.30	24.31	24.35	24.43	24.48	24.50	24.52	24.54	24.55	24.54	24.54	24.52	24.52	24.54	24.54	24.56	24.56	24.56	24.56	24.56	24.56	24.56	24.48	24.56	24.26
29	24.55	24.54	24.54	24.53	24.51	24.50	24.48	24.45	24.44	24.42	24.42	24.38	24.34	24.31	24.30	24.29	24.30	24.30	24.31	24.32	24.33	24.34	24.35	24.37	24.40	24.55	24.29
30	24.38	24.38	24.40	24.41	24.42	24.43	24.44	24.44	24.45	24.45	24.44	24.43	24.41	24.40	24.39	24.39	24.38	24.36	24.34	24.32	24.31	24.30	24.29	24.29	24.39	24.45	24.29
31	24.28	24.27	24.28	24.28	24.28	24.28	24.28	24.27	24.28	24.28	24.28	24.27	24.26	24.26	24.26	24.28	24.29	24.31	24.32	24.33	24.34	24.34	24.35	24.37	24.29	24.37	24.26
Avg	24.34	24.34	24.34	24.34	24.34	24.34	24.35	24.35	24.36	24.37	24.37	24.36	24.35	24.34	24.33	24.34	24.34	24.34	24.34	24.34	24.34	24.34	24.34	24.34	24.35	24.44	24.25
Max	24.64	24.63	24.63	24.64	24.63	24.63	24.62	24.62	24.63	24.66	24.65	24.63	24.59	24.56	24.54	24.54	24.54	24.56	24.57	24.59	24.60	24.61	24.62	24.63	24.58	24.66	24.51
Min	23.90	23.90	23.91	23.93	23.95	23.96	23.96	23.95	23.96	23.96	23.96	23.95	23.93	23.93	23.96	23.98	23.97	23.95	23.94	23.92	23.90	23.90	23.90	23.90	24.02	24.17	23.90

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
October 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
2	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
3	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
4	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
5	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
6	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
7	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	44.5	39.9	40.3	38.3	40.5	39.8	42.6	48.2	61.1	71.3	76.4	81.8	84.6	85.4	56.8	85.4	38.3
9	85.7	85.6	86.4	86.8	85.7	86.6	85.8	83.4	72.2	56.8	46.7	45.9	46.2	46.1	46.4	48.2	53.5	62.3	69.6	73.6	79.6	81.6	80.7	85.3	70.0	86.8	45.9
10	89.2	90.5	90.4	91.4	90.9	90.8	90.6	86.6	76.6	61.9	53.7	45.6	44.3	42.2	38.5	37.4	41.7	42.4	43.1	51.1	61.9	68.7	85.8	89.9	66.9	91.4	37.4
11	90.5	91.6	91.8	91.8	91.5	91.1	83.8	90.2	87.8	82.8	75.5	69.7	64.5	58.4	53.6	49.2	48.4	58.5	71.5	77.7	82.6	85.4	86.9	86.8	77.6	91.8	48.4
12	86.9	86.6	86.4	86.2	85.8	86.4	85.7	85.5	85.0	77.8	61.4	50.6	45.3	44.9	46.4	48.1	53.2	60.1	68.8	73.6	74.2	77.2	83.9	87.8	72.0	87.8	44.9
13	89.0	89.8	89.4	89.9	89.2	91.1	90.7	89.5	82.1	70.8	57.0	51.6	51.9	63.8	74.2	82.7	73.3	72.3	73.0	75.3	82.3	87.5	91.4	92.3	79.2	92.3	51.6
14	94.0	94.1	91.8	87.1	91.2	90.1	88.1	87.5	88.0	81.0	76.9	76.8	73.6	69.3	71.9	66.8	64.8	62.9	72.6	80.0	81.3	86.1	87.2	88.3	81.3	94.1	62.9
15	87.5	88.2	87.5	87.2	86.2	86.4	85.7	85.9	82.0	73.6	62.8	57.5	53.9	48.4	47.5	43.4	45.7	56.5	74.3	78.0	85.1	86.8	88.0	87.6	73.6	88.2	43.4
16	87.7	87.3	87.2	87.2	86.5	86.1	86.1	86.3	85.0	81.5	52.7	56.1	89.5	91.0	90.2	88.1	87.1	88.2	86.0	88.1	90.6	90.4	90.3	90.4	85.0	91.0	52.7
17	90.5	91.1	92.1	91.5	91.5	91.3	91.3	91.4	91.3	91.0	89.0	87.5	82.8	79.9	79.7	87.7	90.3	88.8	90.6	88.6	80.9	82.8	84.0	80.1	87.7	92.1	79.7
18	80.0	80.0	87.2	90.0	88.7	87.1	86.0	85.1	86.1	83.5	74.3	66.0	64.5	59.9	54.2	50.7	51.2	59.7	78.9	85.5	87.2	89.0	89.8	89.6	77.3	90.0	50.7
19	89.3	88.6	88.5	87.8	87.9	87.6	87.6	87.2	86.3	79.7	56.4	51.3	48.0	45.7	42.7	41.2	42.1	49.4	63.7	71.2	69.8	78.5	83.1	83.5	70.7	89.3	41.2
20	90.1	94.1	92.5	91.7	92.8	92.4	91.0	91.0	81.8	82.0	80.0	73.3	67.2	59.1	55.9	52.3	57.7	66.7	86.5	88.3	89.3	90.7	91.2	91.4	81.2	94.1	52.3
21	92.1	91.5	91.2	90.9	90.5	89.7	89.3	90.4	91.3	82.5	64.7	58.2	51.5	49.4	47.7	46.6	49.6	60.6	70.6	78.9	83.3	86.4	89.2	90.8	76.1	92.1	46.6
22	91.0	91.5	90.5	90.9	91.5	90.5	90.6	90.1	82.3	76.1	54.2	46.1	41.3	37.5	35.4	32.8	33.6	44.3	64.1	70.9	76.0	80.7	85.6	86.7	69.8	91.5	32.8
23	88.0	88.4	89.6	90.7	90.9	89.8	89.8	88.7	79.5	64.9	49.2	41.0	38.6	36.4	36.1	37.0	43.6	57.3	68.3	76.1	82.6	84.0	85.6	88.0	70.2	90.9	36.1
24	89.4	91.5	91.1	90.6	90.0	91.4	89.5	89.7	82.1	75.1	52.4	21.5	42.6	31.6	37.7	35.2	36.7	56.8	68.9	71.1	75.9	78.8	84.1	87.0	69.2	91.5	21.5
25	88.3	88.0	88.9	88.3	88.3	87.8	87.7	86.0	77.6	63.4	41.0	35.3	34.2	33.1	35.4	35.8	43.1	52.7	69.5	73.0	75.4	77.1	84.0	87.0	67.5	88.9	33.1
26	88.0	89.2	89.0	89.8	88.9	89.1	89.5	88.4	89.0	88.0	55.6	33.0	26.3	21.4	17.5	18.0	21.0	32.3	51.8	62.5	67.0	72.7	76.0	77.5	63.4	89.8	17.5
27	79.1	78.8	80.2	80.1	82.7	82.9	84.3	83.6	75.8	67.8	42.3	30.2	30.8	30.8	34.5	44.4	53.2	67.0	73.6	76.1	78.2	78.2	79.2	76.3	66.3	84.3	30.2
28	69.8	67.0	67.5	67.8	66.2	67.2	66.1	64.0	68.1	72.6	71.4	73.8	70.3	63.9	60.3	63.5	66.6	68.9	71.9	75.9	78.1	83.1	85.0	85.9	70.6	85.9	60.3
29	85.7	84.6	84.9	85.4	84.3	83.5	83.4	85.0	85.5	82.0	79.9	76.3	77.0	75.0	69.0	66.5	66.3	76.4	80.5	82.9	84.6	84.2	85.9	85.0	80.6	85.9	66.3
30	85.1	86.0	85.4	85.5	84.7	83.8	83.9	83.7	80.0	74.5	65.4	60.2	57.7	54.1	52.9	53.1	57.1	66.5	69.9	75.3	78.4	82.7	81.2	81.8	73.7	86.0	52.9
31	81.9	75.5	71.2	69.3	67.8	69.7	77.9	78.3	91.1	86.6	70.4	64.7	67.0	66.6	61.6	60.6	70.4	67.1	69.7	71.4	72.2	73.8	73.1	73.6	72.1	91.1	60.6
Avg	86.9	86.9	87.0	86.9	86.7	86.6	86.3	86.0	82.9	76.3	61.6	54.7	54.6	51.9	51.2	51.2	53.9	61.1	70.8	75.7	78.9	82.0	84.8	85.8	73.6	89.7	46.1
Max	94.0	94.1	92.5	91.8	92.8	92.4	91.3	91.4	91.3	91.0	89.0	87.5	89.5	91.0	90.2	88.1	90.3	88.8	90.6	88.6	90.6	90.7	91.4	92.3	87.7	94.1	79.7
Min	69.8	67.0	67.5	67.8	66.2	67.2	66.1	64.0	68.1	56.8	41.0	21.5	26.3	21.4	17.5	18.0	21.0	32.3	43.1	51.1	61.9	68.7	73.1	73.6	56.8	84.3	17.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
November 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	75.8	78.3	79.2	78.2	84.0	86.1	87.1	87.3	81.8	71.6	66.4	57.8	53.4	48.0	47.2	46.6	49.6	59.6	67.2	73.2	81.2	82.1	83.9	85.1	71.3	87.3	46.6
2	85.3	85.3	86.2	86.3	86.6	86.4	86.2	85.1	76.4	67.1	53.1	49.2	37.8	39.1	36.8	40.6	46.3	61.4	78.0	93.1	96.3	95.5	86.0	79.6	71.8	96.3	36.8
3	77.5	70.5	68.5	68.9	68.0	64.0	65.3	63.7	64.2	66.3	70.5	67.8	67.1	74.7	74.0	73.1	84.1	84.9	85.8	87.6	89.3	89.9	89.0	89.9	75.2	89.9	63.7
4	90.0	90.0	88.7	90.8	90.5	90.9	88.2	86.6	84.7	77.1	72.4	74.6	69.9	70.3	77.0	67.0	67.6	80.5	83.6	85.4	87.9	87.4	87.1	87.9	82.3	90.9	67.0
5	87.4	87.9	88.0	86.2	86.1	83.2	75.4	74.0	69.4	61.4	55.4	51.6	48.8	47.7	45.4	46.5	50.2	64.5	87.9	93.6	94.0	94.2	94.4	94.3	73.6	94.4	45.4
6	94.4	94.4	94.5	94.2	92.8	84.7	84.2	85.2	81.1	73.8	63.7	61.1	58.6	56.1	53.7	54.4	58.6	61.4	68.8	75.1	84.3	87.6	88.0	88.8	76.6	94.5	53.7
7	88.0	87.3	87.1	88.1	89.3	90.2	90.2	90.8	90.2	81.7	69.9	67.9	68.3	67.4	64.0	63.7	65.6	70.4	78.5	84.0	85.0	86.8	90.0	89.8	80.6	90.8	63.7
8	78.9	73.4	73.4	73.4	72.1	70.5	70.8	71.8	71.3	71.2	70.4	69.3	68.6	69.3	76.0	82.4	85.8	85.0	79.0	74.7	75.3	68.3	64.8	67.6	73.5	85.8	64.8
9	69.3	68.2	66.2	68.7	70.9	79.9	85.4	87.3	80.8	70.6	55.1	50.2	45.1	38.7	39.6	42.7	50.8	69.3	73.3	76.9	78.2	78.3	79.4	82.4	67.0	87.3	38.7
10	83.3	85.5	85.7	86.2	87.5	87.8	88.5	87.8	86.8	84.3	80.0	78.1	74.4	64.7	64.5	67.5	71.5	77.8	82.7	85.7	87.9	89.1	89.6	85.9	81.8	89.6	64.5
11	88.6	93.6	94.4	92.5	92.0	91.9	93.2	92.6	91.3	87.2	81.6	79.5	73.5	75.7	72.6	70.4	79.6	88.8	92.6	94.8	94.8	97.0	97.7	97.6	88.1	97.7	70.4
12	96.8	95.9	95.1	95.0	95.1	95.0	95.3	94.4	88.4	79.2	65.6	37.2	33.4	29.0	29.5	35.4	50.7	66.7	72.8	79.6	83.0	81.5	82.0	85.5	73.4	96.8	29.0
13	87.7	82.2	74.3	63.9	66.7	70.2	68.9	68.0	67.8	59.2	58.2	56.9	53.1	50.3	47.5	46.1	50.1	55.2	59.0	62.0	66.7	68.9	69.5	72.7	63.5	87.7	46.1
14	71.9	69.1	70.3	68.5	68.9	67.1	67.5	67.7	66.3	63.8	62.3	61.8	60.7	59.9	59.8	58.8	59.7	67.7	73.6	77.1	81.5	82.5	84.5	83.6	68.9	84.5	58.8
15	85.4	84.4	77.5	72.9	67.5	65.2	63.7	62.1	60.9	60.7	60.4	59.2	54.8	53.4	51.7	54.4	66.9	79.8	74.8	65.9	65.4	65.8	61.0	62.4	65.7	85.4	51.7
16	70.5	81.2	85.7	88.5	90.4	89.9	90.2	92.1	91.4	90.1	85.5	80.8	79.3	70.9	88.9	82.5	78.3	79.5	86.7	86.8	86.2	85.9	89.2	88.2	84.9	92.1	70.5
17	81.3	80.6	72.3	72.3	76.2	71.3	69.9	71.8	71.2	71.9	77.0	65.9	62.4	59.3	59.5	62.1	68.8	72.8	68.6	73.9	79.6	83.2	86.0	84.6	72.6	86.0	59.3
18	79.4	75.8	76.0	78.7	81.9	86.7	87.9	87.7	84.5	71.9	59.1	40.8	37.5	35.3	33.7	33.1	47.2	55.6	70.5	78.5	79.3	80.9	79.8	74.8	67.4	87.9	33.1
19	43.0	61.4	57.2	42.1	43.0	44.7	46.2	49.3	50.4	49.1	49.8	50.3	48.9	47.8	50.2	49.7	49.7	54.7	53.5	54.0	69.7	75.8	73.8	75.9	53.8	75.9	42.1
20	77.0	80.1	88.5	90.5	86.5	89.7	83.8	88.1	84.1	83.6	81.2	79.6	79.5	78.1	78.2	76.7	78.8	80.6	80.8	79.8	79.7	79.3	78.5	78.5	81.7	90.5	76.7
21	77.5	77.7	77.8	77.8	78.3	77.0	76.8	77.8	74.4	68.0	60.5	56.7	49.1	40.7	38.8	39.6	54.1	75.4	77.0	80.4	80.9	81.2	79.9	80.7	69.1	81.2	38.8
22	79.9	79.8	80.4	80.1	79.5	79.4	80.0	79.3	74.2	66.5	54.6	37.7	36.3	35.5	35.5	38.2	44.3	70.5	72.5	74.5	73.3	74.3	75.9	78.5	65.9	80.4	35.5
23	78.8	80.3	82.3	83.1	83.4	83.6	83.5	83.2	77.5	65.6	60.0	38.7	30.4	29.9	31.0	34.2	52.5	64.4	72.6	78.8	80.7	82.8	84.4	84.9	67.8	84.9	29.9
24	85.6	85.9	84.0	84.3	84.2	83.9	82.8	83.1	79.5	76.1	74.7	61.9	33.7	33.8	34.0	36.0	45.4	63.0	67.5	72.0	76.5	80.0	80.0	83.6	69.6	85.9	33.7
25	83.9	85.2	86.2	87.2	88.9	88.0	86.7	87.8	82.7	72.4	64.3	46.2	46.1	45.7	45.4	46.0	54.5	68.8	76.3	82.8	84.6	86.7	86.9	86.5	73.7	88.9	45.4
26	88.8	90.1	89.1	89.9	89.4	89.3	89.4	89.0	86.4	75.4	65.5	48.8	40.3	39.3	41.8	43.0	52.4	69.9	75.3	75.9	82.2	83.7	85.9	85.4	73.6	90.1	39.3
27	85.4	86.6	88.0	88.6	88.3	89.1	89.1	88.9	86.6	84.0	74.0	61.6	41.3	38.5	41.2	45.3	62.2	69.3	75.0	82.6	86.7	87.7	89.5	88.1	75.7	89.5	38.5
28	89.9	89.1	89.6	88.6	88.7	88.3	88.0	87.7	84.8	79.1	68.8	58.4	41.4	36.6	36.3	39.6	46.1	63.3	70.1	74.7	81.0	84.3	83.0	85.2	72.6	89.9	36.3
29	85.2	85.4	86.2	85.8	86.2	86.2	86.9	87.3	81.8	78.2	67.4	43.7	36.6	36.6	37.4	39.7	44.5	49.2	48.4	61.6	65.6	69.2	82.0	86.1	67.4	87.3	36.6
30	79.2	66.8	68.7	70.5	73.3	74.4	72.5	74.6	73.3	68.1	67.9	64.6	60.9	63.7	82.7	90.9	89.7	86.4	77.2	73.7	74.3	74.3	75.5	75.8	74.1	90.9	60.9
Avg	81.5	81.7	81.4	80.7	81.2	81.2	80.8	81.1	78.1	72.5	66.5	58.6	53.0	51.2	52.5	53.5	60.2	69.9	74.3	78.0	81.0	82.1	82.6	83.0	72.8	88.7	49.3
Max	96.8	95.9	95.1	95.0	95.1	95.0	95.3	94.4	91.4	90.1	85.5	80.8	79.5	78.1	88.9	90.9	89.7	88.8	92.6	94.8	96.3	97.0	97.7	97.6	88.1	97.7	76.7
Min	43.0	61.4	57.2	42.1	43.0	44.7	46.2	49.3	50.4	49.1	49.8	37.2	30.4	29.0	29.5	33.1	44.3	49.2	48.4	54.0	65.4	65.8	61.0	62.4	53.8	75.9	29.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
December 2013

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	73.6	71.9	71.2	69.9	70.4	78.7	72.9	74.7	73.6	69.6	69.7	86.1	90.8	91.7	89.9	88.5	87.3	82.6	84.2	87.9	84.7	80.6	80.6	85.9	79.9	91.7	69.6
2	91.6	94.9	95.6	94.7	95.2	98.7	98.2	98.2	99.2	99.2	96.3	91.7	92.6	90.3	88.8	88.6	86.0	85.8	84.1	82.5	82.3	78.8	78.0	76.4	90.3	99.2	76.4
3	73.0	73.8	73.5	72.3	72.7	72.9	72.3	70.5	68.0	71.9	73.6	72.3	68.8	62.8	61.5	61.5	62.7	64.5	66.1	67.3	65.1	70.0	71.7	70.5	69.1	73.8	61.5
4	73.6	74.0	74.7	71.3	66.8	67.3	67.6	67.4	63.5	63.2	62.1	65.9	66.0	69.3	65.7	67.9	66.7	69.1	74.1	75.1	72.4	71.0	71.5	70.4	69.0	75.1	62.1
5	70.5	70.3	69.7	69.3	68.7	69.0	68.3	68.0	67.9	68.0	65.3	59.6	56.9	61.7	67.3	69.3	74.4	77.1	77.5	76.6	76.2	75.3	75.6	72.7	69.8	77.5	56.9
6	70.9	69.1	68.7	68.1	67.0	67.1	66.5	67.0	66.2	65.2	62.4	56.3	63.0	65.8	67.0	69.2	71.6	72.2	70.7	69.3	70.5	68.9	69.6	68.8	67.5	72.2	56.3
7	68.2	66.5	67.8	67.4	66.4	67.1	66.8	66.7	66.2	59.5	55.3	50.5	53.7	54.8	64.3	68.3	71.4	73.1	72.5	72.5	71.4	70.5	71.0	70.9	66.0	73.1	50.5
8	70.3	69.8	69.5	70.8	70.5	71.7	72.3	73.7	74.9	74.0	73.5	72.7	74.1	73.6	74.0	75.7	78.6	79.5	78.9	77.4	75.6	76.2	75.9	74.6	74.1	79.5	69.5
9	74.0	74.4	74.4	74.7	76.2	72.7	73.5	76.9	77.7	76.3	77.3	77.5	77.8	76.2	74.7	75.5	75.8	75.7	74.5	76.4	77.4	79.8	79.6	76.5	76.1	79.8	72.7
10	77.4	78.8	84.9	85.4	83.0	80.7	82.7	81.8	83.8	84.3	83.2	82.7	81.4	76.2	74.4	79.7	80.8	85.4	84.1	85.2	84.3	83.9	84.5	83.2	82.2	85.4	74.4
11	82.2	81.5	81.0	80.6	82.9	83.4	83.1	84.0	82.9	82.6	86.3	75.8	67.9	65.6	67.5	69.8	79.7	87.0	87.2	85.7	86.0	86.3	87.1	88.2	81.0	88.2	65.6
12	89.2	89.6	89.5	83.8	78.8	73.1	85.7	87.7	88.3	87.5	83.6	74.1	68.2	64.9	70.6	74.8	80.3	83.2	86.1	88.3	89.9	90.6	83.6	81.7	82.2	90.6	64.9
13	83.8	77.5	78.3	74.1	74.8	81.6	79.8	82.1	84.2	82.7	78.9	75.6	75.3	74.6	72.8	68.7	70.1	75.7	76.9	78.1	83.9	85.1	82.9	81.7	78.3	85.1	68.7
14	81.6	78.6	78.2	78.3	77.5	77.0	77.7	78.3	76.3	73.2	69.2	73.2	68.9	69.8	75.3	78.3	75.7	74.8	73.7	73.1	71.2	70.1	69.0	62.5	74.2	81.6	62.5
15	53.8	51.7	50.2	48.6	48.3	47.2	50.1	52.7	55.9	52.1	53.6	54.7	52.7	51.6	51.0	50.4	53.6	55.1	56.4	60.0	62.3	62.2	64.6	64.9	54.3	64.9	47.2
16	62.5	62.7	63.9	63.0	61.6	63.4	61.2	62.0	63.2	61.2	60.6	58.7	56.8	54.9	54.7	54.3	55.6	56.1	58.1	58.1	58.2	59.4	63.8	70.0	60.2	70.0	54.3
17	73.9	76.8	76.0	81.0	82.5	82.9	83.7	84.5	82.9	79.1	71.8	Au	Au	Au	35.6	37.7	44.0	50.1	48.5	53.5	50.4	46.2	46.5	54.3	63.9	84.5	35.6
18	64.5	69.1	72.6	72.0	50.4	40.7	40.1	40.1	43.4	46.3	44.9	48.3	47.5	50.1	52.4	55.6	57.9	70.3	76.2	80.8	87.2	92.5	87.6	84.2	61.4	92.5	40.1
19	82.8	82.1	81.0	78.9	79.0	77.8	78.1	78.2	77.8	75.0	72.0	69.0	66.3	63.7	62.2	67.1	77.3	80.8	79.7	78.8	77.4	76.3	75.8	76.3	75.6	82.8	62.2
20	76.2	76.6	76.7	76.8	76.9	76.2	76.5	76.5	76.1	77.0	79.6	79.1	68.0	63.6	63.3	70.6	85.0	89.3	89.5	90.0	90.2	90.2	90.6	90.7	79.4	90.7	63.3
21	91.1	90.8	90.6	91.0	88.9	87.6	87.6	87.8	87.6	86.9	85.7	83.6	80.6	82.0	79.9	81.7	83.3	87.8	87.2	87.7	87.0	88.6	87.8	88.1	86.7	91.1	79.9
22	89.0	89.3	89.3	89.2	89.7	90.2	90.5	89.7	87.8	84.5	81.9	80.3	74.5	75.4	81.9	84.7	84.0	88.3	86.2	83.6	82.9	82.9	80.7	80.3	84.9	90.5	74.5
23	78.6	78.1	80.1	82.7	84.7	86.7	87.9	89.9	93.7	95.3	93.5	94.7	94.7	94.4	84.0	86.0	88.5	87.6	87.7	81.1	83.2	95.8	96.8	88.2	88.1	96.8	78.1
24	80.9	86.5	92.0	92.7	93.5	92.3	91.3	89.1	83.4	78.4	70.3	67.5	67.4	68.8	68.2	68.0	68.6	72.6	77.8	87.6	88.9	88.2	84.3	83.8	80.9	93.5	67.4
25	82.2	80.5	80.2	79.8	78.7	78.6	78.9	78.0	78.6	79.6	81.7	76.1	75.3	74.1	71.6	73.8	77.2	64.1	76.7	73.6	72.1	63.8	54.5	75.5	75.2	82.2	54.5
26	81.1	83.9	84.9	85.1	85.5	84.5	84.7	85.3	85.3	81.7	73.9	69.8	60.1	57.5	54.4	58.5	56.8	55.6	55.6	57.5	57.7	57.7	57.4	61.6	69.8	85.5	54.4
27	67.7	79.3	82.4	84.5	83.8	86.0	87.2	91.8	92.5	88.9	81.8	76.3	64.3	46.3	37.8	47.8	61.8	79.3	79.8	82.1	81.8	80.7	80.6	81.6	76.1	92.5	37.8
28	65.1	47.3	58.0	63.3	80.1	75.0	73.1	79.2	80.5	74.7	72.0	68.0	68.5	67.3	63.6	68.9	73.6	77.9	78.3	82.0	83.9	83.8	83.6	83.8	73.0	83.9	47.3
29	84.8	85.7	86.3	87.7	87.7	85.2	84.8	87.2	85.2	79.5	63.9	61.6	69.8	62.5	66.5	68.6	69.3	70.1	72.2	73.1	74.3	77.8	79.4	78.1	76.7	87.7	61.6
30	80.7	80.9	80.3	82.5	84.6	86.0	84.9	87.3	89.1	87.6	78.4	64.8	65.5	63.3	62.3	63.0	64.2	68.1	75.2	78.2	75.9	71.1	74.6	79.2	76.2	89.1	62.3
31	81.7	80.2	78.5	78.2	79.6	79.4	74.8	79.1	81.2	83.2	85.9	87.1	83.1	88.4	85.8	91.2	88.2	84.6	84.8	87.1	85.9	83.3	83.1	78.3	83.0	91.2	74.8
Avg	76.7	76.5	77.4	77.3	77.0	76.8	76.9	77.9	78.0	76.4	73.8	71.8	70.0	68.7	67.4	69.8	72.6	74.9	76.1	77.1	77.1	77.0	76.5	76.9	75.0	84.6	61.5
Max	91.6	94.9	95.6	94.7	95.2	98.7	98.2	98.2	99.2	99.2	96.3	94.7	94.7	94.4	89.9	91.2	88.5	89.3	89.5	90.0	90.2	95.8	96.8	90.7	90.3	99.2	79.9
Min	53.8	47.3	50.2	48.6	48.3	40.7	40.1	40.1	43.4	46.3	44.9	48.3	47.5	46.3	35.6	37.7	44.0	50.1	48.5	53.5	50.4	46.2	46.5	54.3	54.3	64.9	35.6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
October 2013

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw		
2	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw		
3	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw		
4	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw		
5	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw		
6	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw		
7	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw		
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.010
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.030
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.010	0.000	0.000	0.020	0.000	0.010	0.010	0.020	0.010	0.000	0.010	0.000	0.000	0.120	0.020
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.060	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.060
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.040
Tot	0.060	0.020	0.000	0.000	0.000	0.000	0.000	0.020	0.040	0.010	0.030	0.050	0.040	0.020	0.040	0.000	0.010	0.010	0.020	0.010	0.000	0.010	0.000	0.010	0.400	0.000
Max	0.060	0.020	0.000	0.000	0.000	0.000	0.000	0.020	0.040	0.010	0.020	0.030	0.020	0.010	0.020	0.000	0.010	0.010	0.020	0.010	0.000	0.010	0.000	0.010	0.120	0.060

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
November 2013

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.040	0.000	0.000	0.000	0.000	0.060	0.040
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.030	0.040	0.020	0.050	0.030	0.200	0.050
6	0.070	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.120	0.070
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.020	0.020	0.000	0.070	0.010	0.160	0.070
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.010	0.000	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.050
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.040	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.040
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.070	0.060	0.000	0.000	0.000	0.000	0.000	0.060	0.050	0.010	0.000	0.000	0.000	0.000	0.050	0.000	0.010	0.000	0.090	0.090	0.060	0.020	0.120	0.040	0.730	0.000
Max	0.070	0.050	0.000	0.000	0.000	0.000	0.000	0.040	0.030	0.010	0.000	0.000	0.000	0.000	0.050	0.000	0.010	0.000	0.040	0.040	0.040	0.020	0.070	0.030	0.200	0.070

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
December 2013

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
2	0.000	0.000	0.000	0.000	0.040	0.100	0.010	0.060	0.060	0.010	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.310	0.100
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.020	0.020	0.010	0.010	0.010	0.000	0.010	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.020
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.020	0.010
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Au	Au	Au	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.000	0.030	0.010
19	0.000	0.010	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.030	0.030	0.040	0.010	0.020	0.020	0.020	0.190	0.040
21	0.010	0.010	0.020	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.020
22	0.000	0.000	0.000	0.010	0.020	0.040	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.090	0.040
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.090	0.050	0.010	0.000	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.020	0.000	0.290	0.090
24	0.000	0.020	0.020	0.030	0.040	0.050	0.010	0.000	0.000	Wx	Wx	Wx	Wx	Wx	Wx	Wx	Wx	Wx	Wx	0.000	0.000	0.000	0.000	0.000	0.170	0.050
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010
Tot	0.010	0.040	0.070	0.070	0.120	0.200	0.050	0.080	0.160	0.070	0.030	0.030	0.020	0.020	0.020	0.010	0.020	0.030	0.030	0.040	0.020	0.110	0.060	0.030	1.340	0.000
Max	0.010	0.020	0.020	0.030	0.040	0.100	0.010	0.060	0.090	0.050	0.020	0.010	0.020	0.010	0.010	0.010	0.020	0.030	0.030	0.040	0.010	0.080	0.020	0.020	0.310	0.100

APPENDIX B: PERFORMANCE AUDIT REPORTS FOURTH QUARTER 2013

BISON
ENGINEERING, INC.

Bison Engineering

Preliminary Meteorological Parameters Audit Form

Audit Dates: 12/17/2013 Audit Start Time : 12:00 MST Audit End Time : 14:15 MST

Client: Tintina Resources
Site: Black Butte
AUDITOR: Jeff Bell STATION OPERATOR: Steve Heck

Temperature

Audit Device: VWR Scientific Digital Thermometer
Model Number: 61220-601 Serial Number: 9935525
Last certified: 2/28/2013
Sensor Make: Climatronics
Model Number: 100093 Serial Number Upper: 8253 Serial Number Lower: 8255

Temperature bath results

Audit Value oC	9m DAS Value oC	9m DAS Diff. oC	2m DAS Value oC	2m DAS Diff. oC	9m - 2m DAS Diff. oC
-10.00	-9.60	0.40	-9.50	0.50	-0.10
19.50	19.39	-0.11	19.45	-0.05	-0.06
26.10	25.96	-0.14	26.02	-0.08	-0.06
49.70	49.00	-0.70	48.95	-0.75	0.05

Wind Direction

Alignment Audit Device: Sokkia Transit-Magnetic
Model Number: 116
Linearity Audit Device: Climatronics
Model Number: 101966 Serial Number: 72
Sensor height: 10 Meter
Sensor Make: Climatronics/ WMIII
Model Number: 102083 Serial Number: K2336C

Crossarm Orientation: N-S
Magnetic Declination: 12
Measured Degrees: 12
Sensor response aligned with crossarm (as found): 3.1
Sensor response aligned with crossarm (as left): 1.0

Linearity Check from DAS (as found)

Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	3.1	3.1	3.1	3.1
30	33.8	33.7	3.8	3.7
60	63.4	57.5	3.4	-2.5
90	92.9	86.8	2.9	-3.2
120	122.8	116.6	2.8	-3.4
150	152.6	146.4	2.6	-3.6
180	182.5	176.7	2.5	-3.3
210	212.8	206.8	2.8	-3.2
240	242.7	236.8	2.7	-3.2
270	272.8	267.2	2.8	-2.8
300	303.5	297.8	3.5	-2.2
330	333.7	328.2	3.7	-1.8
		Max Diff	**3.8**	**3.7**

Linearity Check from DAS (as left)

Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	0.9	0.9	0.9	0.9
90	90.3	90.3	0.3	0.3
180	180.3	180.3	0.3	0.3
270	270.6	270.6	0.6	0.6
		Max Diff	**0.9**	**0.9**

Wind Speed

Audit Device:	RMYoung		
Model Number:	18811	Serial Number:	CA02929
Last certified:	NA		
Sensor height:	10 Meter		
Sensor Make:	Climatronics/ WMIII		
Model Number:	102083	Serial Number:	K2336C

Synchronous motor checks

Known Value RPM	Known Value m/s	DAS Value m/s	DAS Diff. m/s
0	0.22	0.2	0.00
300	6.7	6.6	-0.10
600	13.1	13.1	0.00
950	20.6	20.6	0.00

Torque Audit Device: NA
Model Number: NA
Threshold Torque:

Relative Humidity

Audit Device:	Taylor Hygometer		
Model Number:	5522	Serial Number:	66978
Last certified:	NA		
Sensor Make:	Met One		
Model Number:	083E-0-35	Serial Number:	P18245

Audit Dry-Bulb:	32.0	Deg C
Audit Wet-Bulb	28.0	Deg C
Barr Pressure:	24.57	In Hg
Audit RH:	61.0	%RH
Station RH:	59.0	%RH
Diff:	-2.0	%RH

Barometric Pressure

Audit Device:	Weathertronics		
Model Number:	Altimeter	Serial Number:	3258
Last certified:	12/17/2013		
Sensor Make:	Climatronics		
Model Number:	102663-G0	Serial Number:	42017

Audit Value:	24.57	In Hg
Station Value:	24.39	In Hg
Diff:	-0.18	In Hg

Signature Site Operator : _____

Signature Auditor : _____

BISON
ENGINEERING, INC.

1400 11TH AVENUE • HELENA, MT 59601 • 406-442-5768
FAX: 406-449-6653 • E-MAIL: bison@bison-eng.com • www.bison-eng.com

May 30, 2014

Mr. Steven Zehntner
Air, Energy & Pollution Prevention Bureau
Montana Dept. of Environmental Quality
P.O. Box 200901
Helena, MT 59620

Dear Mr. Zehntner:

Enclosed is a copy of the Tintina Resources Inc. (Tintina) quarterly meteorological data report for the first quarter of 2014. Tintina installed a 10 meter meteorological tower at their Black Butte Copper Project site, north of White Sulphur Springs, Montana. The tower started operations on April 30, 2012. The report contains the data from January 1 through March 31, 2014.

Please contact me with any comments or questions you may have on these reports. I would be happy to discuss these with you.

Sincerely,
BISON ENGINEERING, INC.

Chris Hiltunen, P.E.
Project Engineer

cc: Bob Jacko – Tintina
Vince Scartozzi – Tintina
Alan Kirk – Geomin Resources

Enclosure

TINTINA RESOURCES, INC.
BLACK BUTTE COPPER PROJECT
AMBIENT AIR
MONITORING PROGRAM
Quarterly Data Report
First Quarter 2014

Prepared for:

Tintina Resources, Inc.
17 East Main St
White Sulphur Springs, MT 59645

Prepared by:

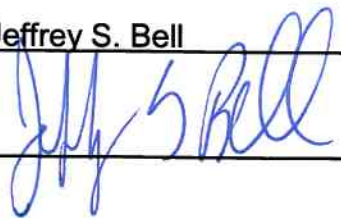
Bison Engineering, Inc.
1111 Maggie Lane
Billings, MT 59101
(406) 896-1716
http://www.bison-eng.com

May 15, 2014

CERTIFICATION OF DATA INTEGRITY

Bison Engineering, Inc., certifies the data in this report is an accurate summary of the air quality conditions measured at the Black Butte Copper Project air monitoring site. Every effort was made to obtain accurate and representative data and to comply with the procedures set forth in the *Quality Assurance Project Plan*, the *State of Montana Ambient Air Monitoring Program Quality Assurance Project Plan*, the Environmental Protection Agency's *Quality Assurance Handbook for Air Pollution Measurement Systems: Volume II, Ambient Air Specific Methods (April 1994)*, and EPA's *Quality Assurance Handbook for Air Pollution Measurement Systems, Volume II, Part 1, Ambient Air Quality Monitoring Program Quality System Development (March 1998).*

Preparer: Jeffrey S. Bell

Signature: 

Title: Senior Field Technician

Date: 4/28/14

Reviewer: Rebecca L. Picchioni, P.E.

Signature: 

Title: Project Engineer

Date: 5/12/14

TABLE OF CONTENTS

CERTIFICATION OF DATA INTEGRITY ii

1.0 INTRODUCTION 1

2.0 MONITORING SYSTEM OPERATIONS 3

3.0 CALIBRATION DATA 4

4.0 PERFORMANCE AUDIT DATA 5

5.0 DATA COMPLETENESS 6

6.0 MONITORING DATA 12

LIST OF TABLES

Table 1. Monthly Data Completeness 7
Table 2. Quarterly Data Completeness 10
Table 3. Suspected False Non-Zero Precipitation Readings 11
Table 4. Missing Data Codes 13
Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 14
Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 15
Table 7. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 16
Table 8. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower 17

LIST OF FIGURES

Figure 1. Monitoring Site Location 2
Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower 18
Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower 19
Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower 20
Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower 21

APPENDICES

Appendix A: Meteorological Data
Appendix B: Performance Audit Reports

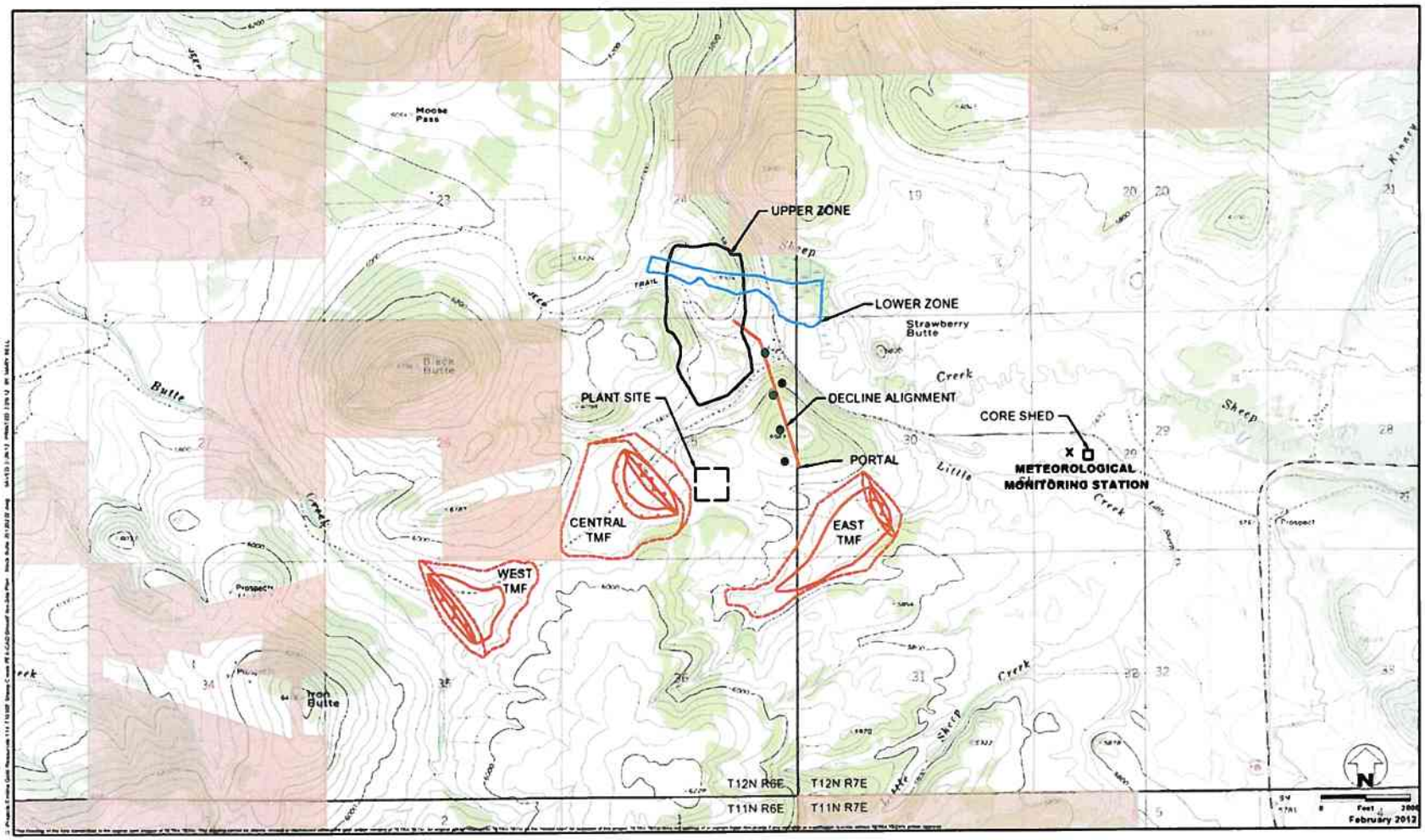
1.0 INTRODUCTION

Tintina Resources, Inc. established an ambient air monitoring site to measure wind speed, wind direction, standard deviation of wind direction, temperature at 9 meters and 2 meters, delta temperature, solar radiation, barometric pressure, and precipitation. The station was established to accurately characterize the local meteorology and collect baseline data in support of an operating permit application and various environmental studies.

The meteorological monitoring system was installed in April 2012. The site is operated by Bison Engineering, Inc., of Helena and Billings. Figure 1 shows the location of the monitoring site.

This report presents the data collected during the first quarter (January through March) of 2014. In addition, a description of the monitoring system operations is presented, together with summaries of quality assurance activities, including calibrations and performance audits. Tabular summaries of the data completeness achieved and the periods of missing data also are presented. Appendix A presents hourly meteorological data collected.

Figure 1. Monitoring Site Location



2.0 MONITORING SYSTEM OPERATIONS

The installation of the monitoring meteorological system equipment took place in April 2012, soon after the equipment was received from the manufacturers. The installation and calibration of the equipment required about two weeks to complete. All meteorological parameters were in full operation and producing valid data by April 30, 2012.

Steve Heck of Bison Engineering, Inc. (Bison) conducted performance audits of the meteorological system at the site during March. All of the system audits produced results within the recommended tolerance limits. The Bison report of the audits is presented in Appendix B.

3.0 CALIBRATION DATA

There were no calibrations performed on the meteorological systems during the first quarter.

4.0 PERFORMANCE AUDIT DATA

Steve Heck of Bison conducted performance audits of the meteorological system at the site during March. All of the system audits produced results within the recommended tolerance limits. The Bison report of the audits is presented in Appendix B.

5.0 DATA COMPLETENESS

The meteorological percentages of data recovery achieved during the first quarter of 2014 are given in Tables 1 and 2. In these tables, the number of possible data values during each month of the quarter is given, together with the number of valid readings and the number of hours spent on quality assurance activities (such as calibrations, performance audits, and maintenance on the sensors). The quality assurance hours are added to the number of hours of valid data to compute the net percentage data recovery.

During the first quarter the net percentage data recovery was 100.0 percent for all parameters except precipitation, as discussed below.

The precipitation gauge opening at the Tintina site is located approximately 18 inches above ground level, and the winter of 2013 – 2014 was severe with unusually heavy snowfall. While the Tintina site representative was diligent about keeping the precipitation gauge and the area within its wind screen clear of snow, the general snow depth at the Tintina site was at or above 18 inches from January onward (it was at approximately 3 feet during Bison's March 2014 audit). Additionally, long periods of subfreezing temperatures kept the snow unconsolidated and subject to drifting during most of the winter. This resulted in frequent drifting of snow into the gauge, and false positive precipitation readings as the accumulated snow melted. Table 3 lists the periods when such conditions were suspected based on Bison's review of the meteorological data file. Those periods were assigned hourly values of 0.000 inches in Appendix A, since it is ***probable*** that the actual precipitation amount during those hours was zero. Because that cannot be known with certainty, those hours have been counted as missing data in Tables 1 and 2. This resulted in a net percentage data recovery for precipitation of 83.9% for the quarter.

In general, false positive precipitation periods were suspected whenever:

1) Non-zero precipitation readings were accompanied by low-to-moderate relative humidity readings (versus readings of 75-80% or higher that would typically occur during a precipitation event), ***and***

2) Significant wind (indicating potential drifting) was present, generally 4-5 meters per second or higher.

Table 1. Monthly Data Completeness

January 2014					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	744	100.0	0	100.0
Wind Direction	744	744	100.0	0	100.0
Standard Deviation	744	744	100.0	0	100.0
Temperature 9 Meters	744	744	100.0	0	100.0
Temperature 2 Meters	744	744	100.0	0	100.0
Temperature Delta T	744	744	100.0	0	100.0
Solar Radiation	744	744	100.0	0	100.0
Barometric Pressure	744	744	100.0	0	100.0
Relative Humidity	744	744	100.0	0	100.0
Precipitation	744	637	85.6	0	85.6
Total	7,440	7,333	98.6	0	98.6

Table 1. Monthly Data Completeness (Continued)

February 2014					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	672	672	100.0	0	100.0
Wind Direction	672	672	100.0	0	100.0
Standard Deviation	672	672	100.0	0	100.0
Temperature 9 Meters	672	672	100.0	0	100.0
Temperature 2 Meters	672	672	100.0	0	100.0
Temperature Delta T	672	672	100.0	0	100.0
Solar Radiation	672	672	100.0	0	100.0
Barometric Pressure	672	672	100.0	0	100.0
Relative Humidity	672	672	100.0	0	100.0
Precipitation	672	564	83.9	0	83.9
Total	6,720	6,612	98.4	0	98.4

Table 1. Monthly Data Completeness (Continued)

March 2014					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	741	99.6	3	100.0
Wind Direction	744	741	99.6	3	100.0
Standard Deviation	744	741	99.6	3	100.0
Temperature 9 Meters	744	741	99.6	3	100.0
Temperature 2 Meters	744	741	99.6	3	100.0
Temperature Delta T	744	741	99.6	3	100.0
Solar Radiation	744	741	99.6	3	100.0
Barometric Pressure	744	741	99.6	3	100.0
Relative Humidity	744	741	99.6	3	100.0
Precipitation	744	610	82.0	2	82.3
Total	7,440	7,279	97.8	29	98.2

Table 2. Quarterly Data Completeness

First Quarter 2014					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	2,160	2,157	99.9	3	100.0
Wind Direction	2,160	2,157	99.9	3	100.0
Standard Deviation	2,160	2,157	99.9	3	100.0
Temperature 9 Meters	2,160	2,157	99.9	3	100.0
Temperature 2 Meters	2,160	2,157	99.9	3	100.0
Temperature Delta T	2,160	2,157	99.9	3	100.0
Solar Radiation	2,160	2,157	99.9	3	100.0
Barometric Pressure	2,160	2,157	99.9	3	100.0
Relative Humidity	2,160	2,157	99.9	3	100.0
Precipitation	2,160	1,811	83.8	2	83.9
Total	21,600	21,224	98.3	29	98.4

Table 3. Suspected False Non-Zero Precipitation Readings

First Quarter 2014				
Start Date	Start Hour	End Date	End Hour	Number of Hours
January 2014				
Jan 3	8	Jan 3	16	9
Jan 9	13	Jan 9	18	6
Jan 10	10	Jan 11	21	36
Jan 12	3	Jan 13	20	42
Jan 14	23	Jan 15	9	11
Jan 24	13	Jan 24	15	3
February 2014				
Feb 12	16	Feb 12	21	6
Feb 13	11	Feb 14	11	25
Feb 14	21	Feb 15	7	11
Feb 16	9	Feb 18	17	57
Feb 18	23	Feb 19	7	9
March 2014				
Mar 3	10	Mar 3	12	3
Mar 4	13	Mar 4	13	1
Mar 4	16	Mar 4	16	1
Mar 9	10	Mar 9	10	1
Mar 11	13	Mar 11	13	1
Mar 13	12	Mar 13	17	6
Mar 14	14	Mar 14	14	1
Mar 14	18	Mar 14	18	1
Mar 14	21	Mar 14	23	3
Mar 14	24	Mar 17	5	54
Mar 17	11	Mar 17	16	6
Mar 18	11	Mar 18	22	12
Mar 19	10	Mar 20	3	18
Mar 20	9	Mar 20	15	7
Mar 28	17	Mar 29	9	17

6.0 MONITORING DATA

The hourly data values collected at the monitoring sites are given in the data tables in Appendix A. Each of these tables presents one month's data for all parameters in the monitoring system. In addition, the average, maximum, and minimum values for each parameter for each day are listed (for wind direction, the prevailing wind direction for the day is given). For those hours with missing data, a code is given that explains the reason the data were missing. These codes are given in Table 4.

Monthly and quarterly wind rose distributions from the monitoring site are presented in Tables 5 through 8. These tables give the percentage frequency of occurrence of winds from 16 cardinal directions and from 22 wind speed ranges. These same data are presented graphically in Figures 2 through 5. In the wind rose figures, the length of each "petal" of the rose is proportional to the percentage of time the wind blew from that direction. On the bottom of each figure is a histogram showing the average wind speed from each of the cardinal wind directions.

Table 4. Missing Data Codes

Mnemonic Code	Description	Equivalent EPA Null Value Reason Code
Sc	Scheduled but not collected	9972
Ti	Sample time out of limits	9973
Fi	Filter damage	9976
Op	Voided by operator	9978
ND	Machine malfunction	9980
Wx	Bad weather	9981
Co	Collection error	9983
Lb	Lab error	9984
QA	Poor quality assurance results	9985
Pwr	Power failure	9988
Wi	Wildlife damage	9989
AZ	Automatic zero/span check	9991
ZS	Manual zero/span check	9986
Au	Performance audit	9992
Ma	Routine maintenance/repairs	9993
Ca	Multipoint calibration	9995
PZ	Precision/zero/span	9998

Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

January 2014																	
Direction>>>		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.9	3.1	2.8	3.5	3.2	2.7	2.8	1.5	0.9	0.5	0.4	0.7	0.5	0.9	0.9	1.1	27.6
	1.1 - 2.0	1.2	1.3	3.1	3.2	3.6	1.5	1.2	0.3	0.9	0.1	0.0	0.3	0.8	0.7	0.9	0.5	19.8
	2.1 - 3.0	0.3	0.4	0.4	2.0	1.6	0.8	0.8	0.8	0.5	0.4	0.3	0.4	1.1	2.4	0.8	0.8	13.8
	3.1 - 4.0	0.1	0.0	0.1	0.8	0.3	0.0	0.0	0.3	0.7	0.0	0.1	0.7	1.5	1.7	1.5	0.5	8.3
	4.1 - 5.0	0.4	0.0	0.0	0.3	0.5	0.0	0.0	0.3	0.0	0.1	0.3	0.1	2.0	1.1	1.5	0.7	7.3
	5.1 - 6.0	0.3	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3	1.9	0.7	0.4	5.1
	6.1 - 7.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4	2.4	0.8	0.5	0.5	5.4
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	1.6	0.4	0.5	0.1	3.2
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.1	2.3	0.3	0.3	0.0	3.4
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.0	1.3	0.1	0.1	0.3	2.3
	10.1 - 11.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.3	0.0	0.0	1.5
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.4	0.0	0.1	0.0	0.7
	12.1 - 13.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	0.0	0.0	0.0	0.9
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.1	0.0	0.0	0.7
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm																		0.0
Total		4.7	4.8	6.5	10.2	9.3	5.0	4.8	3.1	3.1	1.6	2.4	3.2	17.6	10.8	7.9	5.0	100.0
Average Speed		2.7	1.0	1.2	1.8	1.6	1.2	1.1	1.8	1.9	3.4	6.1	4.0	6.8	4.3	4.0	3.6	3.3

Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

February 2014																	
Direction>>>		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.3	1.3	1.0	2.7	4.3	4.5	4.5	2.4	1.3	0.3	0.0	0.3	0.7	0.9	1.3	1.8	28.7
	1.1 - 2.0	0.3	0.4	1.2	1.2	1.3	2.7	2.4	1.2	0.9	0.6	0.1	0.9	0.9	1.0	0.9	0.9	17.0
	2.1 - 3.0	0.1	0.1	0.1	0.4	0.7	1.0	0.1	1.5	0.4	0.0	0.1	1.5	1.3	1.5	1.8	0.3	11.3
	3.1 - 4.0	0.0	0.1	0.0	0.1	0.3	0.0	0.1	1.0	0.3	0.3	0.1	1.6	1.0	1.2	0.7	0.4	7.6
	4.1 - 5.0	0.1	0.0	0.0	0.0	0.6	0.0	0.0	1.0	0.6	0.4	0.3	1.2	2.4	1.0	0.4	0.4	8.6
	5.1 - 6.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	1.3	0.7	0.1	0.0	1.0	1.5	0.3	0.7	0.3	6.7
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.3	0.1	0.3	0.6	1.2	0.6	0.0	0.1	3.9
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.1	0.3	0.3	0.4	2.1	0.6	0.0	0.0	4.5
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.9	0.4	2.2	0.4	0.0	0.0	4.3
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.3	0.0	0.4	0.0	2.2
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.8	0.1	0.0	0.0	2.4
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	0.0	0.0	0.0	1.5
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.6	0.0	0.0	0.0	0.9
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm																		0.0
Total		2.2	2.1	2.4	4.5	7.3	8.2	7.4	9.7	4.9	2.4	2.5	9.4	18.6	7.7	6.4	4.3	100.0
Average Speed		1.6	1.0	1.1	1.1	1.4	1.1	1.2	3.2	3.1	4.1	7.1	5.1	6.9	3.9	3.2	2.1	3.5

Table 7. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

March 2014																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.7	0.9	0.9	0.9	2.2	2.0	0.9	1.9	0.4	0.5	0.4	0.4	0.4	0.5	0.8	1.2	15.2
	1.1 - 2.0	0.7	0.4	0.9	2.7	3.6	4.9	2.4	1.5	0.5	0.4	0.5	0.5	1.6	1.6	0.7	0.3	23.3
	2.1 - 3.0	0.3	0.1	0.3	1.2	2.4	1.2	1.2	1.2	0.5	0.1	0.5	1.6	1.9	1.2	0.8	0.1	14.8
	3.1 - 4.0	0.0	0.0	0.0	0.3	1.1	0.4	0.8	1.2	1.1	0.5	0.7	1.9	3.1	0.9	0.7	0.3	13.0
	4.1 - 5.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	1.3	0.7	0.5	0.4	2.2	2.3	1.1	0.3	0.1	9.3
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.3	1.3	0.7	0.7	2.6	2.2	0.1	0.1	8.5
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	0.1	1.1	1.1	0.9	1.6	1.6	0.5	0.4	8.2
	7.1 - 8.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.3	0.3	0.4	1.8	0.5	0.5	0.1	4.6
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.1	0.3	0.3	0.4	0.4	0.0	1.9
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.5	0.1	0.0	0.0	0.8
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	1.8	1.5	2.3	5.1	9.3	8.5	5.9	9.3	3.6	4.9	4.7	8.9	16.3	10.3	4.9	2.7	100.0
	Average Speed	1.8	1.2	1.5	1.8	1.9	1.6	2.2	3.4	3.2	4.6	4.3	4.2	4.7	4.4	3.9	2.7	3.3

Table 8. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower

First Quarter 2014																	
Direction>>>		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.3	1.8	1.6	2.4	3.2	3.0	2.7	1.9	0.9	0.5	0.3	0.5	0.6	0.8	1.0	1.3	23.7
	1.1 - 2.0	0.7	0.7	1.8	2.4	2.9	3.0	2.0	1.0	0.8	0.4	0.2	0.6	1.1	1.1	0.8	0.6	20.1
	2.1 - 3.0	0.2	0.2	0.3	1.3	1.6	1.0	0.7	1.2	0.5	0.2	0.3	1.2	1.4	1.7	1.1	0.4	13.4
	3.1 - 4.0	0.0	0.0	0.0	0.4	0.6	0.1	0.3	0.8	0.7	0.3	0.3	1.4	1.9	1.3	1.0	0.4	9.7
	4.1 - 5.0	0.2	0.0	0.0	0.1	0.4	0.0	0.1	0.9	0.4	0.4	0.3	1.2	2.2	1.1	0.7	0.4	8.4
	5.1 - 6.0	0.2	0.0	0.0	0.1	0.0	0.0	0.1	0.6	0.3	0.5	0.2	0.6	1.8	1.5	0.5	0.3	6.8
	6.1 - 7.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.5	0.6	0.6	1.8	1.0	0.4	0.4	5.9
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.2	0.3	0.4	1.8	0.5	0.4	0.1	4.1
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.4	0.3	1.6	0.4	0.2	0.0	3.2
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.1	0.1	0.2	0.1	1.8
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.1	0.0	0.0	1.3
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.0	0.0	0.0	0.7
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.4	0.0	0.0	0.0	0.6
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.3
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm																		0.0
Total		2.9	2.8	3.8	6.7	8.7	7.2	6.0	7.3	3.8	3.0	3.2	7.1	17.5	9.6	6.4	4.0	100.0
Average Speed		2.2	1.0	1.3	1.7	1.6	1.3	1.5	3.1	2.8	4.2	5.5	4.5	6.1	4.3	3.7	2.9	3.4

Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower

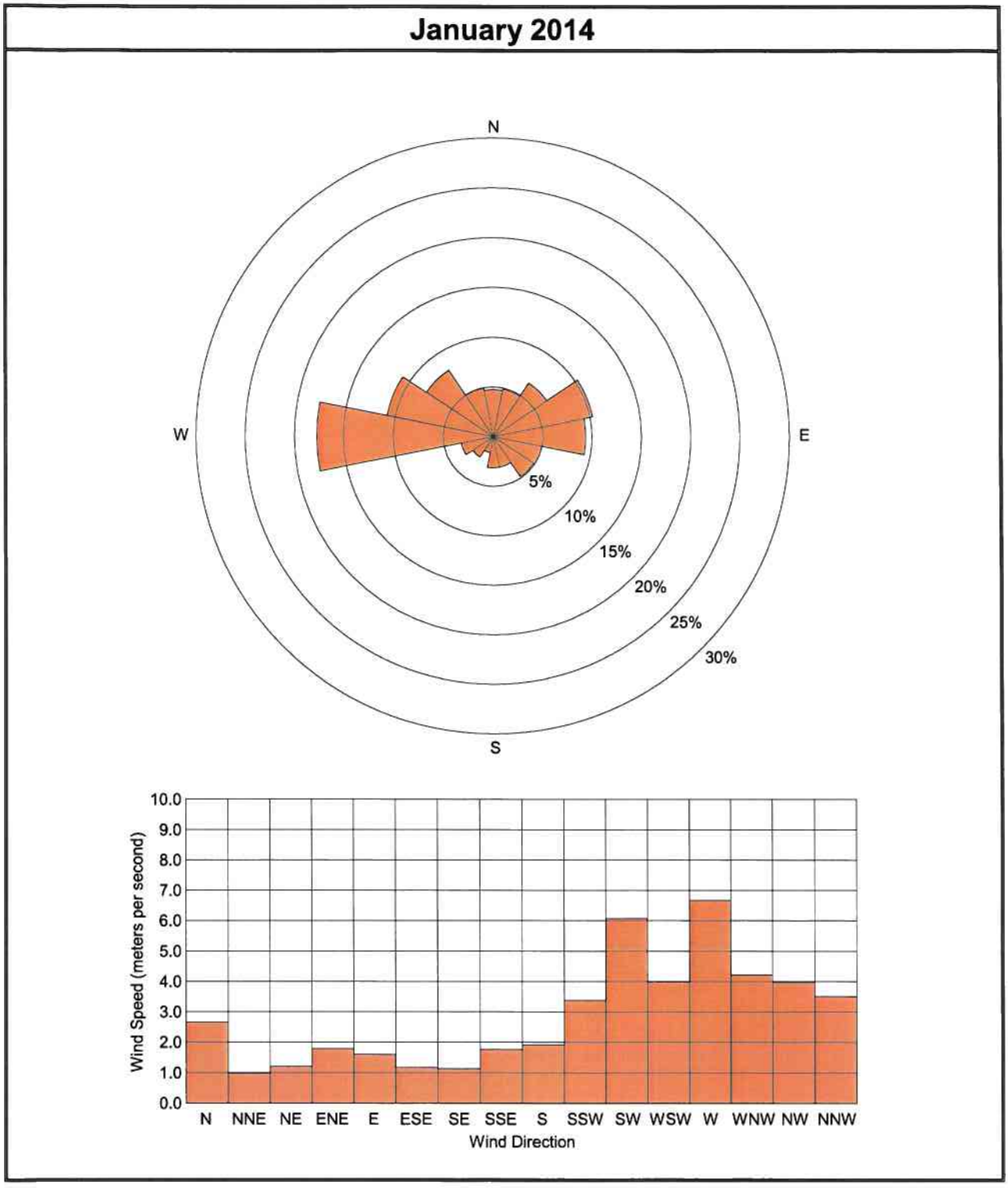


Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower

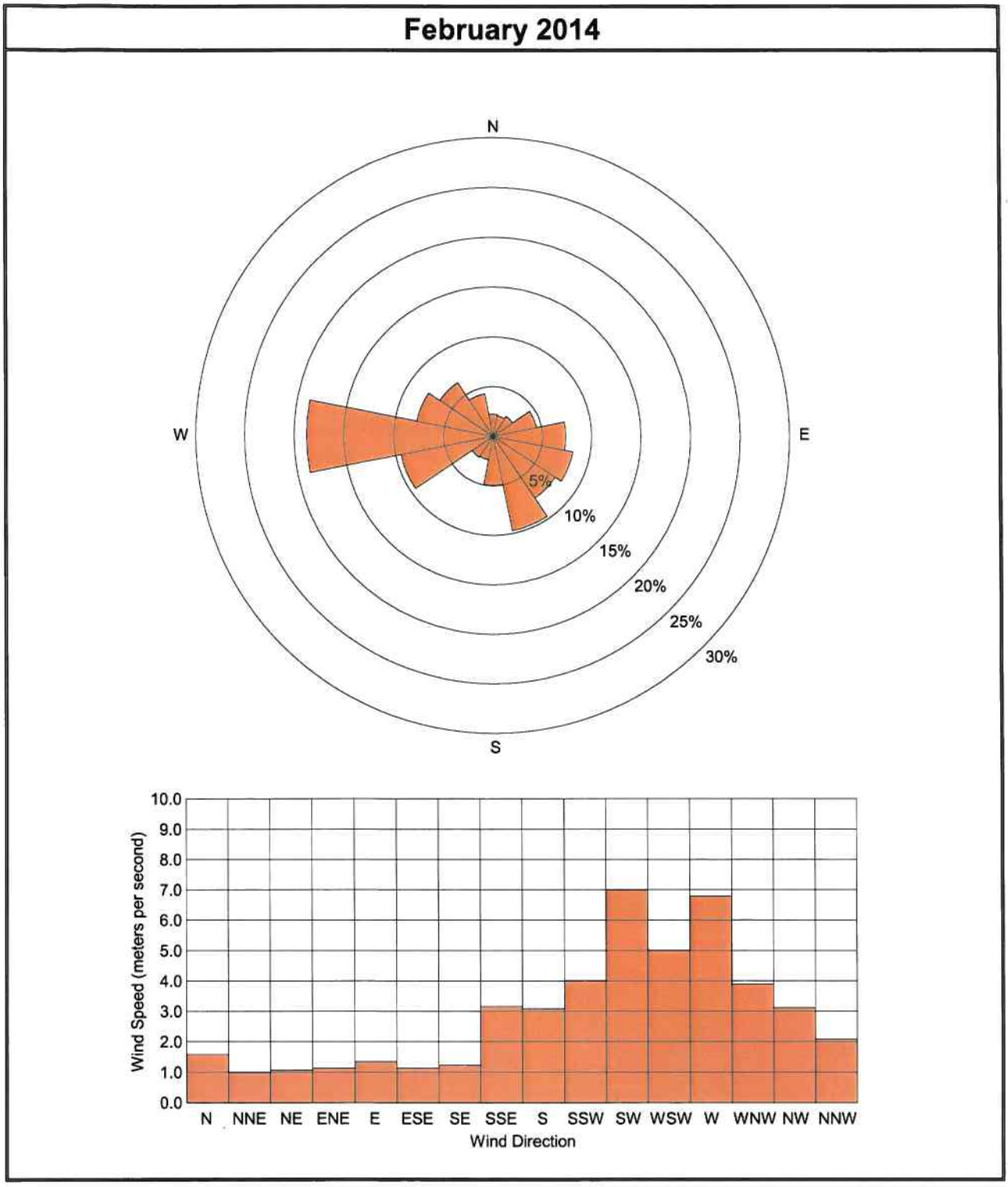


Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower

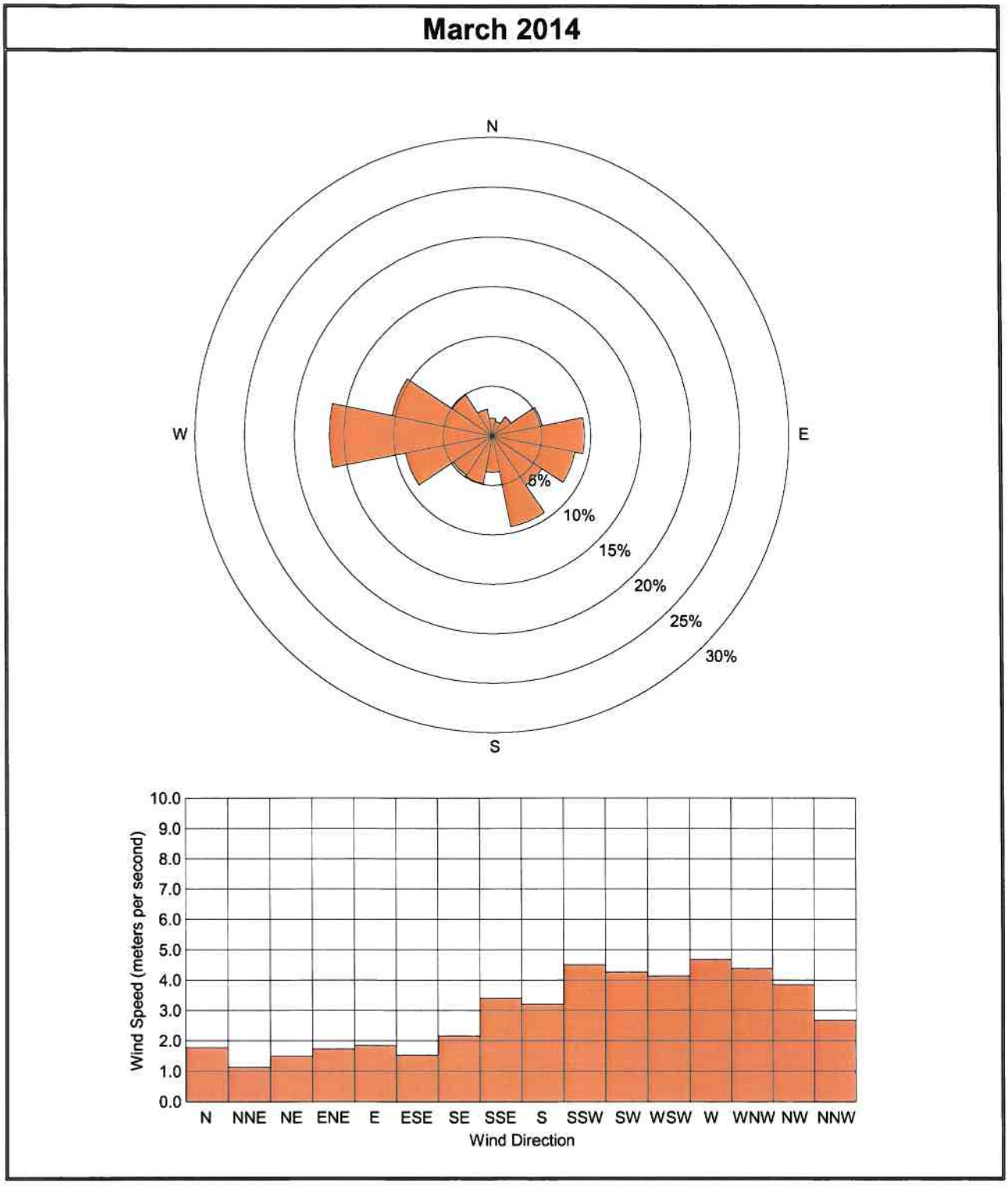
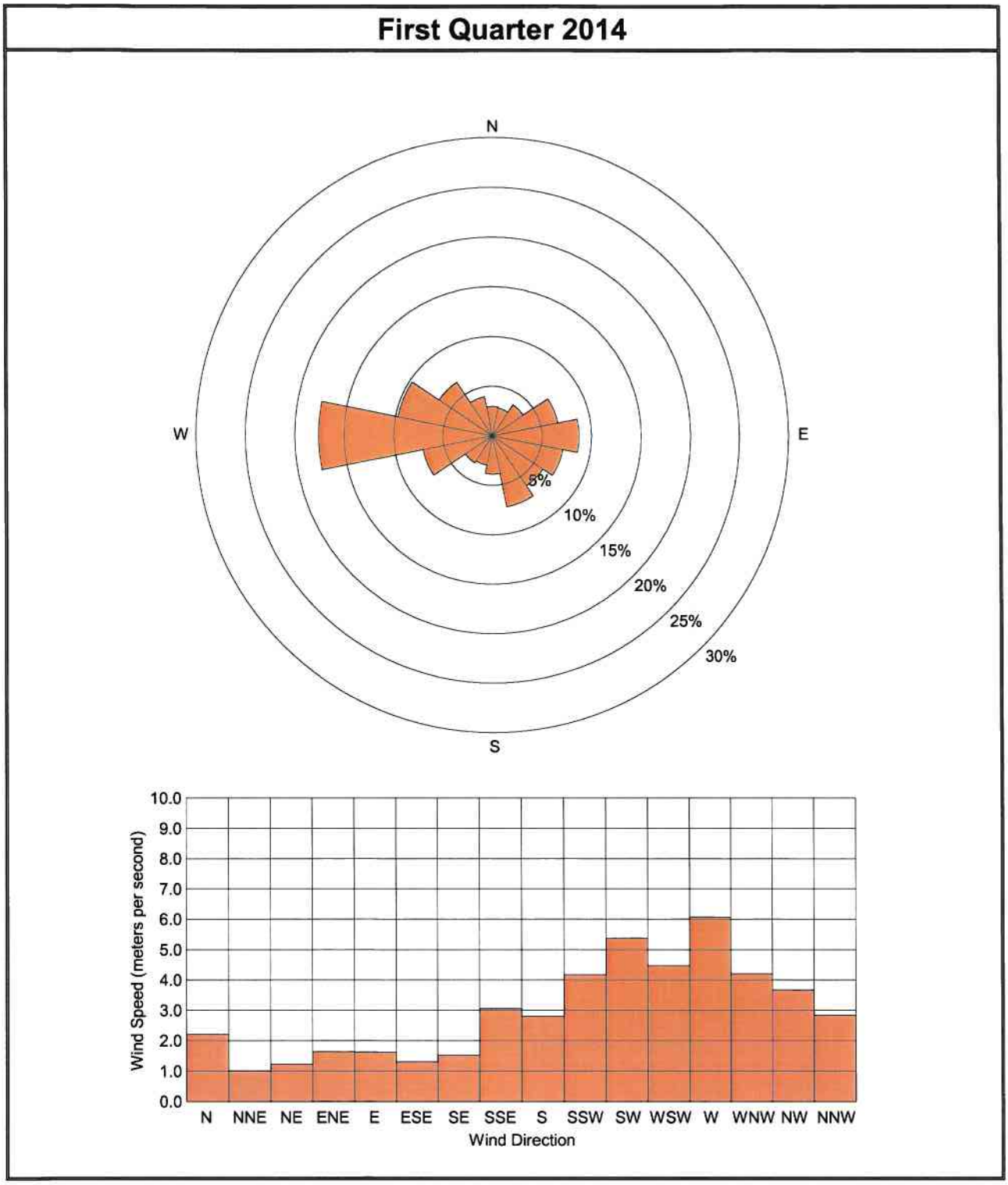


Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower



APPENDIX A: HOURLY AIR QUALITY AND METEOROLOGICAL DATA, FIRST QUARTER 2014

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
January 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	4.0	3.6	5.5	5.1	5.8	5.6	3.3	1.9	1.9	1.5	0.9	2.9	4.1	4.3	5.7	6.1	4.7	1.7	0.9	2.7	2.1	1.7	1.4	1.1	3.3	6.1	0.9
2	1.0	0.9	0.9	0.7	0.7	0.6	0.9	0.7	0.7	0.5	0.5	0.6	0.7	1.0	0.6	1.4	1.2	1.5	0.9	1.4	1.9	2.6	3.2	4.6	1.2	4.6	0.5
3	4.7	6.7	8.1	6.5	7.7	9.7	8.9	12.3	11.9	13.3	12.1	13.4	12.0	10.8	9.1	6.1	3.4	3.6	1.7	2.2	1.5	1.5	1.0	1.1	7.1	13.4	1.0
4	1.1	0.9	0.9	0.9	0.7	0.5	0.8	0.8	1.6	3.6	3.5	4.8	6.3	5.6	4.1	2.5	3.3	2.8	2.8	2.7	3.4	3.7	5.3	5.5	2.8	6.3	0.5
5	4.3	4.6	7.1	5.0	9.3	11.2	6.9	4.0	2.8	4.3	7.2	6.5	5.7	3.5	3.4	1.3	0.7	1.4	1.5	1.2	1.0	0.5	0.6	0.7	3.9	11.2	0.5
6	0.9	0.9	0.7	0.6	0.7	0.9	0.7	1.3	1.4	1.3	1.0	0.7	1.2	2.1	2.8	3.7	3.4	2.9	4.2	6.0	5.2	3.7	3.9	5.1	2.3	6.0	0.6
7	3.6	4.1	4.2	3.6	2.9	3.2	2.7	2.8	1.5	2.6	2.3	2.2	3.9	6.1	6.3	5.3	3.6	1.6	1.5	1.7	1.4	1.3	0.8	0.5	2.9	6.3	0.5
8	1.1	0.9	0.4	0.4	0.5	0.4	0.3	0.3	0.3	0.4	0.4	0.9	2.3	1.8	2.1	2.8	3.4	2.7	0.8	2.3	2.8	3.4	2.1	2.3	1.5	3.4	0.3
9	2.4	2.1	3.7	2.6	2.8	4.1	3.5	4.0	2.4	2.4	1.5	2.2	7.2	6.6	7.6	5.9	7.6	6.3	5.1	6.3	4.6	5.0	2.1	2.6	4.2	7.6	1.5
10	2.8	4.1	1.3	2.3	1.0	0.5	0.9	3.6	4.9	6.4	7.1	9.0	8.5	8.7	8.3	9.8	9.9	9.8	7.2	9.3	10.6	8.4	7.7	6.1	6.2	10.6	0.5
11	6.6	3.8	2.3	1.4	3.8	3.4	1.7	5.0	8.8	9.3	7.5	11.6	15.6	8.6	9.9	7.0	12.5	8.0	5.4	6.1	5.2	3.9	2.4	2.2	6.3	15.6	1.4
12	1.0	2.5	3.7	4.1	6.4	6.3	7.8	8.3	8.2	9.0	10.0	11.0	9.8	10.9	11.0	10.4	8.5	6.6	6.5	6.2	8.4	7.6	4.9	7.8	7.4	11.0	1.0
13	8.9	9.3	12.2	10.2	7.9	9.3	9.0	8.8	10.3	8.0	9.1	8.8	10.6	14.0	13.5	12.7	13.0	12.0	8.7	7.3	5.1	4.5	2.4	2.7	9.1	14.0	2.4
14	2.2	1.6	2.1	0.7	1.0	0.7	0.4	0.4	0.3	0.9	2.6	2.0	2.3	6.6	5.7	4.0	2.9	2.1	2.1	3.8	3.8	2.5	4.7	2.6	2.4	6.6	0.3
15	1.8	2.3	5.1	7.0	7.6	3.8	5.6	10.0	13.1	10.7	8.9	9.8	8.7	6.6	5.9	6.3	4.8	3.9	1.4	0.6	0.8	1.5	2.7	2.5	5.5	13.1	0.6
16	0.7	0.3	0.7	0.6	0.9	2.0	1.5	1.3	1.3	0.5	0.3	0.7	3.5	4.4	3.9	3.1	1.3	0.8	1.2	1.7	1.1	1.6	1.4	1.4	1.5	4.4	0.3
17	1.7	1.9	1.4	1.2	1.4	1.2	1.1	0.8	0.7	0.5	0.5	0.6	0.9	1.5	2.8	4.8	5.6	2.0	2.4	2.3	0.9	1.2	0.9	1.2	1.6	5.6	0.5
18	0.7	0.4	0.5	0.5	0.6	0.4	0.6	0.5	0.7	0.5	0.4	0.7	0.8	2.1	2.7	1.2	1.4	1.1	3.0	2.5	2.3	1.8	2.0	1.5	1.2	3.0	0.4
19	0.7	0.8	0.6	0.7	1.5	1.5	1.9	1.7	1.1	1.5	1.2	1.1	2.3	2.2	7.8	4.9	4.1	5.9	4.5	5.5	5.3	4.5	4.5	3.8	2.9	7.8	0.6
20	3.4	2.6	1.7	1.3	1.4	0.4	0.6	0.6	0.6	0.4	0.6	0.6	0.6	0.6	1.1	0.9	0.9	1.4	1.7	1.4	0.7	1.1	0.9	0.5	1.1	3.4	0.4
21	0.5	0.8	0.8	0.7	0.7	0.8	0.8	0.6	0.8	0.7	1.0	1.0	0.5	2.3	3.8	1.8	1.9	2.5	2.1	1.6	0.9	0.6	0.6	0.6	1.2	3.8	0.5
22	0.8	0.8	1.0	0.9	0.5	0.6	0.5	0.4	0.4	1.1	0.9	2.6	4.0	4.1	2.6	1.4	2.6	2.4	2.2	1.0	0.9	1.6	1.2	3.4	1.6	4.1	0.4
23	3.0	2.7	2.1	2.6	3.5	3.4	2.7	2.8	1.3	0.9	0.5	1.4	1.0	0.8	0.6	1.1	1.1	1.4	1.2	1.3	0.9	1.3	1.1	0.8	1.6	3.5	0.5
24	0.8	0.9	1.6	2.0	1.5	0.7	1.5	1.5	1.2	1.2	0.8	1.0	1.3	1.6	4.3	4.0	0.9	1.6	2.2	1.6	1.2	0.8	0.8	1.1	1.5	4.3	0.7
25	1.1	1.0	0.6	0.9	0.8	1.2	1.0	1.5	1.3	1.2	0.8	1.2	2.7	5.7	6.5	4.2	1.7	1.1	2.4	2.9	2.4	1.5	2.0	1.6	2.0	6.5	0.6
26	1.0	1.0	0.9	1.3	1.6	4.2	4.3	7.1	6.5	8.4	12.5	10.9	9.7	7.6	5.5	4.6	4.2	3.2	2.4	2.1	2.4	1.8	0.9	0.8	4.4	12.5	0.8
27	1.8	1.9	3.0	2.3	1.7	1.2	1.0	0.7	0.6	0.7	0.8	2.3	7.5	8.4	7.8	6.9	6.3	5.0	2.8	2.0	1.2	3.1	2.3	1.2	3.0	8.4	0.6
28	1.3	0.5	0.7	0.7	0.7	0.7	1.0	0.6	0.6	0.4	0.5	0.7	0.8	1.2	1.6	5.1	3.9	2.9	3.0	5.0	4.1	2.2	2.8	4.5	1.9	5.1	0.4
29	1.6	0.9	7.8	8.3	6.5	5.5	1.9	1.7	1.4	2.2	2.9	2.2	1.5	3.8	3.7	7.0	6.9	8.6	6.3	6.1	6.8	5.6	5.5	6.4	4.6	8.6	0.9
30	6.0	6.5	6.4	4.2	4.2	5.5	6.1	5.6	5.4	4.7	4.2	3.9	4.5	4.4	4.0	3.0	2.4	1.2	0.5	0.5	0.4	0.4	0.3	0.5	3.5	6.5	0.3
31	0.3	0.5	0.7	0.6	1.1	0.6	0.7	0.9	0.6	0.4	0.5	1.0	3.4	4.1	4.1	4.0	4.2	3.6	4.6	3.9	3.5	5.1	5.2	4.2	2.4	5.2	0.3
Avg	2.3	2.3	2.9	2.6	2.8	2.9	2.6	3.0	3.1	3.2	3.3	3.8	4.6	4.9	5.1	4.6	4.3	3.6	3.0	3.3	3.0	2.8	2.5	2.6	3.3	7.4	0.7
Max	8.9	9.3	12.2	10.2	9.3	11.2	9.0	12.3	13.1	13.3	12.5	13.4	15.6	14.0	13.5	12.7	13.0	12.0	8.7	9.3	10.6	8.4	7.7	7.8	9.1	15.6	2.4
Min	0.3	0.3	0.4	0.4	0.5	0.4	0.3	0.3	0.3	0.4	0.3	0.6	0.5	0.6	0.6	0.9	0.7	0.8	0.5	0.5	0.4	0.4	0.3	0.5	1.1	3.0	0.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
February 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	2.3	1.6	2.4	1.9	1.6	1.2	0.9	1.0	1.5	1.3	0.7	0.9	0.8	0.6	1.1	0.9	0.9	1.1	0.8	0.8	1.0	0.8	0.6	0.8	1.1	2.4	0.6
2	0.8	0.7	0.7	0.6	0.5	0.4	0.7	0.5	0.6	0.9	0.4	0.4	0.4	0.6	0.3	0.6	1.2	0.7	0.8	1.1	0.9	1.2	1.1	0.7	0.7	1.2	0.3
3	0.8	1.3	2.8	1.9	2.4	2.9	2.3	2.5	1.4	1.6	1.5	3.8	5.4	5.5	4.6	4.0	3.4	3.4	3.0	2.0	1.1	1.5	1.0	1.0	2.5	5.5	0.8
4	1.0	1.2	1.0	1.0	0.7	0.7	0.8	0.8	0.7	0.8	0.9	2.0	5.5	6.1	6.4	5.6	5.4	4.4	1.2	0.6	0.5	0.9	0.7	1.4	2.1	6.4	0.5
5	1.3	0.4	0.6	0.5	0.6	0.5	0.5	0.6	0.6	0.6	0.7	0.9	1.8	4.3	4.7	4.6	3.0	1.3	0.4	1.1	0.8	0.3	0.3	0.2	1.3	4.7	0.2
6	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.6	0.3	0.4	0.3	0.4	0.7	0.3	0.5	1.2	0.9	0.5	1.1	0.6	0.7	1.2	0.6	0.8	0.5	1.2	0.2
7	0.9	1.2	1.1	1.4	1.1	0.9	1.1	0.6	0.6	0.4	0.8	0.5	0.2	2.3	2.8	1.1	0.8	0.7	0.8	1.0	1.4	0.8	0.8	0.8	1.0	2.8	0.2
8	0.7	0.8	0.5	0.5	2.8	3.8	3.4	2.6	2.5	1.4	4.6	5.9	6.7	5.3	4.8	5.2	3.3	1.1	1.2	1.2	1.0	0.7	0.7	0.3	2.5	6.7	0.3
9	0.3	0.8	1.1	0.8	1.1	2.8	3.4	4.5	4.4	2.5	1.1	2.8	1.5	1.2	1.8	1.9	1.9	1.3	0.9	0.2	0.2	0.2	0.3	0.3	1.6	4.5	0.2
10	0.5	0.3	0.8	1.3	1.0	1.0	1.1	0.8	1.1	0.6	0.8	4.6	5.3	4.5	4.8	3.6	5.3	1.7	1.3	2.3	1.3	1.7	1.0	1.1	2.0	5.3	0.3
11	2.5	4.0	6.4	8.4	6.8	4.3	5.2	5.0	1.6	1.4	6.3	11.5	9.2	8.5	6.6	7.6	7.2	6.0	4.9	4.2	3.2	3.3	2.6	1.7	5.3	11.5	1.4
12	1.1	2.5	1.8	2.3	2.9	5.8	5.2	4.2	5.0	6.8	8.9	12.9	12.7	9.8	11.5	12.8	12.2	10.1	9.9	9.0	6.2	7.0	4.9	2.7	7.0	12.9	1.1
13	2.4	2.8	1.4	3.6	4.5	2.1	1.8	4.3	3.6	7.3	11.9	12.0	13.7	14.9	14.2	10.6	9.6	10.7	7.3	7.4	7.4	7.0	7.2	3.0	7.1	14.9	1.4
14	2.7	4.3	4.2	3.0	2.0	1.2	1.8	1.4	1.5	1.7	1.5	4.7	5.7	5.4	4.2	3.2	3.2	7.2	8.1	8.9	10.5	9.3	9.0	8.6	4.7	10.5	1.2
15	8.6	8.8	7.3	8.2	4.3	2.6	2.5	2.2	2.0	1.0	0.8	1.2	1.0	3.4	5.3	5.2	6.0	6.9	5.7	2.5	2.6	2.1	2.1	1.3	3.9	8.8	0.8
16	2.1	4.2	4.8	4.2	7.2	8.3	6.4	8.1	7.4	8.2	7.3	9.1	8.0	8.6	10.2	12.1	11.8	10.3	11.1	11.5	10.4	6.5	7.7	4.8	7.9	12.1	2.1
17	5.0	3.3	2.4	2.3	3.1	2.0	7.4	8.1	7.2	7.1	8.3	8.7	8.8	8.5	10.8	11.0	8.4	7.1	4.2	4.5	7.4	9.2	9.0	10.5	6.8	11.0	2.0
18	11.8	10.2	8.6	9.8	9.1	10.8	7.5	4.4	2.9	4.7	8.4	7.7	5.7	3.9	4.2	3.2	2.4	7.0	5.1	7.7	5.9	5.8	6.5	5.3	6.6	11.8	2.4
19	4.6	4.8	8.9	9.1	8.1	8.9	11.0	9.0	9.4	10.9	12.4	11.1	10.3	10.4	11.4	9.9	9.9	8.8	6.5	4.8	6.0	6.2	1.9	1.5	8.2	12.4	1.5
20	4.3	3.3	1.9	2.7	2.3	1.6	1.5	1.4	0.8	1.0	1.9	1.5	2.0	4.9	3.8	4.1	3.7	3.4	5.6	5.9	5.7	5.9	4.1	4.0	3.2	5.9	0.8
21	4.4	6.1	6.3	6.1	4.0	3.2	3.2	2.6	3.4	7.4	9.4	9.1	7.2	6.6	5.1	3.5	1.8	2.3	0.8	2.6	2.0	4.1	2.8	4.6	4.5	9.4	0.8
22	3.0	2.5	2.8	1.2	1.9	3.3	2.7	2.2	1.7	0.4	0.6	0.4	2.5	3.3	3.8	2.4	2.5	1.4	1.0	2.4	2.6	1.2	2.3	3.2	2.1	3.8	0.4
23	1.8	1.8	1.7	1.4	0.9	0.3	0.7	2.1	1.4	5.1	6.8	6.8	7.0	7.5	7.2	8.0	7.4	5.7	5.7	4.8	4.5	4.0	3.3	4.0	4.2	8.0	0.3
24	3.3	3.0	2.2	3.1	3.1	3.0	3.3	4.0	3.2	2.7	1.0	0.5	0.7	0.5	0.7	0.8	0.7	0.5	0.3	0.2	0.2	0.2	1.5	3.0	1.7	4.0	0.2
25	2.9	3.3	5.6	5.0	4.1	3.7	2.4	1.8	1.3	1.0	0.6	0.8	1.8	2.8	3.5	2.4	1.2	1.8	1.5	1.9	1.1	0.8	0.9	0.9	2.2	5.6	0.6
26	0.5	0.4	0.5	0.4	0.8	0.3	0.4	0.4	0.9	0.3	0.4	0.7	0.3	0.4	0.9	1.2	0.9	0.9	1.3	1.3	1.4	0.8	1.2	0.8	0.7	1.4	0.3
27	0.5	0.3	0.5	0.7	0.6	0.7	0.5	0.4	0.5	0.5	0.8	0.7	3.6	2.6	3.1	3.5	2.5	0.3	1.0	4.3	5.7	6.3	5.1	5.7	2.1	6.3	0.3
28	4.3	5.2	4.7	3.4	2.5	4.5	5.2	5.0	4.9	5.8	5.7	5.5	5.7	7.8	7.7	6.0	4.9	4.1	2.3	1.8	2.7	2.3	1.9	2.5	4.4	7.8	1.8
Avg	2.7	2.8	3.0	3.0	2.9	2.9	3.0	2.9	2.6	3.0	3.7	4.5	4.8	5.0	5.2	4.9	4.4	4.0	3.4	3.4	3.4	3.3	2.9	2.7	3.5	7.1	0.8
Max	11.8	10.2	8.9	9.8	9.1	10.8	11.0	9.0	9.4	10.9	12.4	12.9	13.7	14.9	14.2	12.8	12.2	10.7	11.1	11.5	10.5	9.3	9.0	10.5	8.2	14.9	2.4
Min	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.2	0.3	0.3	0.6	0.7	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.5	1.2	0.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
March 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	2.7	3.7	3.7	3.3	1.9	1.7	3.1	5.3	6.1	7.5	8.7	8.0	7.3	8.2	9.1	8.8	7.2	6.9	6.2	5.1	4.7	3.8	4.0	2.8	5.4	9.1	1.7
2	0.9	1.1	0.4	0.4	0.4	0.8	0.7	0.4	0.2	0.2	0.9	0.6	1.7	4.4	4.2	2.9	3.3	3.4	3.5	3.5	2.3	2.0	2.5	3.6	1.8	4.4	0.2
3	3.5	3.7	3.2	2.8	3.1	2.0	2.4	2.6	3.6	4.6	5.5	4.5	2.2	0.9	2.8	6.5	6.2	5.0	4.4	2.3	1.7	3.4	1.6	2.0	3.4	6.5	0.9
4	2.1	2.7	1.8	1.7	1.7	3.1	3.0	5.5	5.5	6.1	7.0	8.2	8.4	7.5	7.4	5.2	5.7	3.4	3.2	1.2	1.1	1.6	1.2	1.5	4.0	8.4	1.1
5	1.9	1.5	1.3	1.6	1.5	2.6	1.6	2.9	2.6	5.7	3.7	6.1	7.1	5.4	8.1	6.5	7.5	6.8	5.2	3.6	3.9	5.4	4.4	3.6	4.2	8.1	1.3
6	2.4	5.8	5.0	5.6	3.6	4.1	3.9	7.0	2.9	1.6	5.8	7.1	7.7	6.0	4.6	5.9	6.8	5.6	4.2	4.8	4.2	2.2	1.3	1.2	4.6	7.7	1.2
7	0.8	0.7	1.5	1.2	3.6	2.7	3.1	3.5	5.1	4.9	6.9	7.5	7.4	7.2	7.3	7.4	6.2	5.0	1.6	3.6	4.4	2.3	1.3	0.8	4.0	7.5	0.7
8	0.9	1.0	1.9	2.3	1.9	1.8	0.9	1.6	1.0	1.0	1.2	1.1	3.2	4.7	2.9	2.4	3.2	2.2	2.3	2.3	3.4	3.2	4.6	1.1	2.2	4.7	0.9
9	1.4	5.4	2.4	3.0	6.2	3.3	2.1	3.0	4.5	6.3	7.6	6.7	5.0	5.1	7.6	5.9	4.3	6.7	5.3	2.0	0.3	3.5	4.6	5.9	4.5	7.6	0.3
10	6.3	3.7	1.7	3.1	1.9	0.6	1.5	0.5	0.7	0.5	0.2	2.2	0.6	1.2	1.7	1.3	1.1	1.7	3.8	3.5	0.9	0.7	1.3	2.1	1.8	6.3	0.2
11	2.6	4.1	1.7	2.3	1.6	0.9	1.1	1.3	0.7	0.5	0.4	1.4	2.6	3.4	3.9	2.8	3.0	3.4	2.6	1.1	2.1	1.8	2.0	1.9	2.0	4.1	0.4
12	2.7	1.7	1.5	1.1	1.1	1.5	1.1	0.9	0.5	0.8	0.8	Au	Au	Au	3.3	1.8	1.7	0.8	1.2	2.8	1.9	1.3	1.6	1.4	1.5	3.3	0.5
13	2.1	2.1	1.5	1.2	1.0	0.9	1.0	1.4	5.5	5.6	6.5	7.1	6.7	6.8	7.2	7.4	6.6	5.2	3.2	2.3	3.7	2.3	1.7	1.8	3.8	7.4	0.9
14	1.6	2.0	1.8	1.2	1.3	1.1	1.0	1.0	0.7	0.8	0.8	4.2	4.9	5.1	2.2	1.3	2.9	7.0	4.8	4.5	7.0	6.8	5.8	6.6	3.2	7.0	0.7
15	6.3	5.1	6.3	7.2	7.5	7.2	7.5	7.0	6.5	5.6	4.3	4.1	4.3	6.2	6.2	5.8	6.0	7.0	3.5	4.5	2.3	3.2	1.8	3.7	5.4	7.5	1.8
16	2.7	2.5	2.0	1.6	1.7	3.0	1.6	1.6	3.5	2.8	3.9	8.3	8.5	10.1	9.1	7.5	6.6	6.6	4.4	3.5	3.4	2.4	1.6	1.9	4.2	10.1	1.6
17	2.3	1.1	1.0	1.8	1.5	2.1	5.3	5.7	2.9	3.5	6.6	8.7	8.4	8.9	7.5	7.5	7.3	6.4	4.7	3.2	3.7	2.4	3.4	4.4	4.6	8.9	1.0
18	3.5	3.5	1.9	0.9	1.3	2.5	1.0	0.9	0.7	3.6	4.9	5.1	4.4	5.9	6.7	6.5	5.9	6.0	5.3	3.9	4.7	3.0	2.4	2.6	3.6	6.7	0.7
19	1.8	1.4	1.4	1.1	1.1	1.0	1.0	0.9	0.7	1.3	1.1	3.7	3.6	4.2	5.7	2.6	5.5	6.7	3.5	2.9	3.1	1.8	1.3	1.2	2.4	6.7	0.7
20	0.5	0.9	1.6	5.7	3.4	3.8	7.1	7.4	7.8	10.8	10.0	9.2	9.6	9.4	9.0	8.6	8.9	6.6	5.8	4.6	5.5	4.1	4.6	5.9	6.3	10.8	0.5
21	6.6	5.2	5.4	4.7	3.1	2.7	2.6	1.8	1.3	2.4	2.9	3.4	4.1	3.9	3.8	3.6	4.9	4.4	3.4	2.2	1.9	0.7	0.7	0.9	3.2	6.6	0.7
22	1.8	3.0	2.5	1.3	0.5	1.0	1.6	0.8	0.2	0.5	2.2	2.4	0.9	1.1	1.4	1.5	1.4	0.7	1.4	0.8	2.4	4.2	4.0	3.3	1.7	4.2	0.2
23	3.2	2.5	1.2	0.6	0.7	0.7	0.9	0.2	0.3	1.7	5.2	4.9	4.4	5.2	4.6	2.4	3.1	3.2	1.8	1.4	1.3	1.2	1.0	1.3	2.2	5.2	0.2
24	1.5	1.9	1.0	0.8	1.8	1.9	1.0	0.6	1.7	2.9	2.6	0.8	0.9	0.9	1.2	1.2	3.5	2.7	3.3	2.0	0.5	0.6	0.8	2.1	1.6	3.5	0.5
25	2.2	0.9	1.3	0.7	1.2	0.5	0.6	0.7	0.3	0.6	0.7	1.4	1.5	6.0	3.2	1.8	3.7	2.8	2.6	1.0	1.0	1.4	1.8	2.7	1.7	6.0	0.3
26	2.5	1.8	1.7	1.7	1.6	2.0	1.7	1.1	2.4	2.8	4.2	5.0	4.7	3.8	3.6	3.6	5.4	3.7	1.1	2.1	2.8	1.3	0.9	2.0	2.6	5.4	0.9
27	2.5	1.6	0.7	0.3	1.1	1.8	1.5	2.7	4.4	5.4	6.2	6.3	5.1	4.8	5.3	4.7	5.4	5.0	5.4	2.4	2.6	1.5	1.5	0.6	3.3	6.3	0.3
28	1.3	0.7	1.0	0.9	0.9	0.7	1.3	0.6	0.7	1.1	5.5	6.6	6.3	6.7	6.3	5.4	6.3	6.2	6.0	4.6	3.0	4.2	4.6	6.3	3.6	6.7	0.6
29	5.5	3.7	3.9	3.9	4.3	7.0	6.9	5.8	6.9	5.0	2.5	1.6	1.1	4.7	6.7	3.9	4.0	4.0	4.2	1.9	2.9	2.4	1.8	2.5	4.0	7.0	1.1
30	2.8	2.7	3.7	2.0	2.3	2.8	0.5	0.7	0.8	0.7	2.3	5.5	6.6	7.7	7.9	6.3	5.6	7.9	7.0	6.1	4.2	3.8	3.2	2.3	4.0	7.9	0.5
31	1.9	1.4	1.1	0.7	0.5	1.7	1.9	1.5	2.8	4.4	2.6	0.9	2.1	3.1	1.7	1.6	2.8	4.9	6.3	4.2	4.9	2.0	2.2	1.7	2.5	6.3	0.5
Avg	2.6	2.6	2.2	2.2	2.1	2.2	2.3	2.5	2.7	3.3	4.0	4.8	4.7	5.3	5.2	4.5	4.9	4.8	3.9	3.0	3.0	2.6	2.4	2.6	3.3	6.7	0.7
Max	6.6	5.8	6.3	7.2	7.5	7.2	7.5	7.4	7.8	10.8	10.0	9.2	9.6	10.1	9.1	8.8	8.9	7.9	7.0	6.1	7.0	6.8	5.8	6.6	6.3	10.8	1.8
Min	0.5	0.7	0.4	0.3	0.4	0.5	0.5	0.2	0.2	0.2	0.2	0.6	0.6	0.9	1.2	1.2	1.1	0.7	1.1	0.8	0.3	0.6	0.7	0.6	1.5	3.3	0.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
January 2014

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	304	300	290	298	300	308	294	283	298	272	107	303	286	293	265	267	278	246	177	105	56	78	85	123	290
2	103	116	43	54	118	95	82	4	114	113	257	359	178	77	218	180	172	127	141	9	94	79	216	193	113
3	222	229	224	235	217	222	251	261	271	281	274	278	281	295	316	343	305	324	204	274	83	141	57	56	265
4	80	31	114	47	90	166	115	267	326	322	307	311	343	281	279	300	289	281	296	347	315	264	9	351	325
5	324	328	327	315	327	319	336	354	33	311	288	290	262	265	288	301	86	103	87	48	67	13	31	58	344
6	54	97	64	52	5	357	171	342	336	126	168	155	62	328	302	312	329	22	71	78	76	52	59	77	46
7	90	87	80	81	65	75	88	83	85	334	326	329	280	269	265	265	277	320	6	1	135	149	162	310	28
8	186	138	124	223	62	89	64	292	54	23	132	114	149	71	132	197	238	210	287	112	184	181	188	106	141
9	115	149	173	110	156	158	164	186	160	176	86	227	259	248	255	269	272	274	255	263	268	271	248	223	213
10	258	274	76	76	105	287	88	247	286	263	260	259	265	267	273	275	276	280	285	277	277	276	269	243	271
11	270	267	132	85	189	161	101	219	214	215	215	229	229	204	198	208	252	282	282	274	269	298	189	198	222
12	151	72	298	259	251	274	272	268	262	269	270	272	265	275	273	274	274	269	272	268	275	265	269	270	269
13	272	275	278	274	265	267	264	266	267	261	264	265	275	277	279	276	274	277	320	321	320	308	291	303	280
14	313	270	311	271	272	149	104	304	3	330	294	177	279	286	290	277	283	280	291	301	299	311	305	332	294
15	353	14	302	292	274	291	289	281	287	296	299	287	274	275	277	271	269	284	320	127	81	54	70	97	302
16	71	64	290	55	104	58	39	45	23	22	205	247	260	273	269	252	259	41	59	116	99	83	84	101	55
17	74	88	96	59	108	59	106	10	57	226	150	330	157	279	269	270	259	313	61	83	28	66	55	73	62
18	35	31	78	108	87	77	99	94	117	153	195	95	114	305	295	37	303	32	89	68	81	42	115	75	77
19	98	78	255	42	88	91	50	15	18	60	117	57	75	336	257	260	293	271	292	293	302	3	346	345	7
20	342	302	175	110	80	109	137	17	74	95	81	198	130	96	8	345	127	110	81	89	48	49	61	43	79
21	25	56	58	28	28	53	75	45	20	143	191	134	58	282	288	332	84	89	63	72	58	109	360	84	57
22	357	152	69	140	129	91	116	115	337	323	176	160	169	160	145	175	260	287	257	308	248	46	34	61	134
23	58	70	62	46	72	71	96	86	100	325	266	158	124	357	358	19	28	67	56	42	24	93	95	28	57
24	338	340	34	6	89	23	9	69	33	32	79	19	38	352	286	287	285	82	86	48	46	55	60	23	28
25	56	4	4	61	13	125	35	64	29	139	130	88	291	289	292	287	279	102	102	165	283	250	109	70	48
26	53	82	74	55	6	319	308	320	317	316	5	2	336	321	342	332	324	317	305	281	282	303	314	24	338
27	67	58	63	53	44	44	21	16	43	137	143	289	281	298	306	304	305	291	1	39	309	63	92	57	19
28	74	23	77	58	4	87	129	157	19	125	123	91	39	51	330	301	312	4	65	81	81	69	68	75	61
29	60	1	278	279	285	275	324	183	138	124	142	140	142	239	266	270	273	274	282	271	276	298	297	335	270
30	331	357	6	352	359	346	321	313	291	280	273	270	256	264	253	262	286	259	304	187	136	213	333	296	295
31	32	311	96	171	141	137	254	136	347	98	60	285	282	265	304	273	319	333	329	305	312	326	322	339	318
Prev	37	32	51	46	63	69	68	344	8	298	200	262	261	289	282	282	284	308	342	11	6	26	36	40	341

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
February 2014

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	312	311	79	64	103	128	86	81	66	122	25	115	135	92	35	50	108	93	149	121	129	77	95	114	91
2	84	63	36	104	175	81	50	350	340	148	89	130	272	125	281	182	99	96	65	141	126	123	98	139	102
3	114	294	275	248	245	251	256	246	172	302	266	165	160	176	215	249	261	164	182	207	170	285	341	300	233
4	153	149	126	136	91	79	98	134	114	123	141	193	251	254	258	254	248	247	201	177	330	240	120	132	167
5	110	14	82	72	102	64	91	78	6	97	146	102	289	256	256	262	261	246	115	79	78	44	123	81	85
6	1	138	77	101	122	115	109	142	106	106	172	156	140	12	284	188	260	105	92	84	152	179	167	166	129
7	172	179	149	157	151	128	120	169	149	161	346	112	322	319	321	152	202	319	180	83	66	26	61	34	128
8	128	134	348	341	291	250	250	279	316	317	281	254	254	255	253	256	257	225	125	111	94	123	95	346	263
9	51	78	347	154	340	156	153	168	160	148	28	174	204	331	251	301	322	322	309	129	110	76	250	306	159
10	324	122	97	267	69	122	82	72	30	127	124	271	280	279	274	268	282	7	118	166	44	56	294	5	36
11	227	247	233	235	237	272	263	276	240	104	275	273	304	298	283	280	268	265	269	295	99	100	95	82	261
12	124	118	118	138	108	144	157	153	190	220	229	218	217	247	266	266	267	264	277	268	270	265	291	318	221
13	95	241	238	241	241	238	137	92	14	262	265	262	272	281	278	282	274	276	266	259	269	274	279	316	265
14	21	88	87	94	106	56	126	90	146	103	125	201	167	180	199	188	233	265	263	273	266	271	273	277	172
15	281	280	281	286	289	150	112	68	104	275	184	42	98	191	160	151	154	151	142	112	110	106	150	109	145
16	96	185	166	164	169	169	174	254	261	281	281	276	268	252	268	266	263	258	255	258	263	263	279	266	244
17	272	168	178	163	144	128	217	208	206	221	233	229	227	223	255	258	261	255	256	252	286	255	267	277	230
18	275	276	279	280	274	281	290	291	272	272	262	260	260	257	261	205	156	208	181	195	190	198	184	171	244
19	178	186	268	280	275	282	280	280	281	267	261	257	264	278	270	258	264	256	260	269	267	270	260	51	265
20	81	67	75	57	55	43	56	134	77	91	299	344	184	213	205	229	246	248	271	276	268	298	279	288	299
21	296	288	284	268	289	291	287	307	305	299	312	311	303	289	259	274	275	277	101	325	323	319	300	302	296
22	288	288	312	30	327	263	292	273	149	18	133	355	246	245	253	246	254	270	128	118	147	139	153	151	247
23	142	137	141	156	342	336	316	161	120	153	161	165	166	164	164	158	157	160	158	156	159	159	164	306	158
24	283	288	280	286	328	332	333	314	274	249	305	345	355	354	149	164	299	300	5	326	340	327	333	321	313
25	319	321	306	303	352	326	7	75	78	136	130	65	283	276	280	292	112	158	121	103	70	7	90	116	32
26	91	33	96	22	135	62	10	60	138	24	101	152	154	165	186	241	206	110	62	89	103	102	127	118	105
27	63	293	83	133	17	151	111	41	132	143	140	121	287	301	281	291	304	274	306	269	320	337	352	348	336
28	337	355	337	336	329	323	335	330	322	318	318	316	281	257	257	250	257	261	263	271	295	287	310	66	305
Prev	66	213	66	172	360	134	95	116	134	169	222	212	246	255	253	242	248	246	190	189	138	296	225	7	231

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
March 2014

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	56	72	80	92	132	131	125	142	152	154	158	154	155	159	159	155	162	163	161	157	163	160	159	186	144
2	285	167	108	91	203	336	346	196	274	118	185	155	110	146	150	140	141	125	111	131	121	107	69	84	133
3	101	110	117	146	161	89	146	217	187	230	249	278	261	14	224	207	209	213	211	114	323	268	254	278	204
4	297	93	114	102	62	276	261	277	261	274	259	254	252	246	262	261	253	237	211	107	91	109	136	126	230
5	89	82	176	61	119	101	141	133	141	198	190	193	195	192	218	214	209	210	205	173	204	201	173	157	170
6	106	180	180	190	183	186	175	272	308	199	279	261	264	249	259	267	263	259	249	264	276	250	164	131	231
7	89	309	55	233	261	294	305	280	271	272	261	259	260	260	256	262	260	271	85	265	262	250	160	120	264
8	102	162	101	98	98	123	100	126	165	142	343	145	205	171	150	156	126	141	183	162	150	138	154	193	142
9	63	209	74	41	233	184	100	75	254	239	234	233	247	235	228	230	229	231	232	276	148	233	244	242	224
10	229	233	309	101	122	319	269	296	314	108	328	300	222	328	292	289	309	275	274	292	152	313	274	309	287
11	30	40	262	352	34	29	24	103	205	101	69	284	275	263	249	257	249	257	261	121	116	142	102	80	22
12	90	77	85	92	75	113	64	65	345	148	75	Au	Au	Au	263	274	249	204	101	98	106	150	141	162	108
13	133	107	118	124	100	100	26	42	261	264	273	275	289	308	290	281	282	289	283	141	96	101	105	110	121
14	85	88	80	43	84	107	169	128	96	113	166	277	299	295	274	6	246	257	256	277	279	283	289	281	270
15	283	292	288	288	291	285	281	289	292	279	277	278	278	257	252	264	273	276	257	268	262	301	30	81	281
16	79	88	93	82	73	79	111	66	61	77	259	273	264	265	267	260	258	258	258	242	244	241	132	114	188
17	89	42	9	10	67	349	283	286	274	280	297	323	322	315	318	315	310	320	316	311	297	327	295	315	322
18	305	314	311	52	103	85	27	141	37	270	280	281	292	274	283	277	281	293	291	270	282	257	91	100	301
19	99	105	96	58	117	114	103	83	16	98	29	243	240	225	231	256	284	286	266	264	238	194	174	291	192
20	231	14	299	281	270	262	273	250	267	264	277	280	274	284	282	285	293	295	291	299	298	296	300	299	283
21	305	313	303	297	306	285	300	71	115	232	251	259	254	247	253	251	249	254	257	276	276	89	338	3	279
22	316	294	302	216	92	85	104	84	230	67	104	168	11	355	261	290	11	73	146	112	141	156	150	150	110
23	155	163	144	339	285	27	147	166	169	356	280	266	255	253	252	320	269	260	248	158	113	75	286	42	240
24	64	71	166	74	86	75	39	356	229	258	256	250	52	164	153	216	266	262	290	265	162	333	56	121	160
25	122	81	87	74	124	106	104	153	101	112	102	105	73	206	161	105	177	165	177	144	130	90	95	57	117
26	71	76	102	83	111	111	61	66	278	242	254	255	252	280	278	281	263	234	286	272	272	248	280	286	268
27	281	296	315	155	113	135	114	149	154	147	147	146	152	152	228	275	288	291	302	283	284	301	293	340	228
28	265	341	263	143	108	142	164	122	85	89	271	263	250	225	217	209	217	206	198	196	178	180	196	200	197
29	201	176	225	214	160	189	193	207	209	243	312	154	169	273	283	297	263	246	244	44	203	98	77	81	211
30	74	90	91	88	57	62	1	52	320	94	214	303	319	2	339	337	328	321	337	334	343	333	329	308	360
31	295	280	189	245	257	148	140	152	162	149	147	56	308	199	136	108	119	162	153	145	157	107	100	123	154
Prev	79	83	105	88	113	102	104	126	231	184	252	250	259	251	246	260	255	247	242	222	201	204	152	119	220

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
January 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	11	13	8	8	8	7	12	20	56	57	79	29	18	11	10	10	9	50	76	20	29	46	61	64	30	79	7
2	60	42	61	63	62	70	87	74	81	68	81	74	93	76	79	82	81	39	91	92	75	34	69	12	69	93	12
3	25	11	9	13	12	11	11	10	19	11	11	11	10	16	14	18	18	21	55	76	93	37	75	79	28	93	9
4	41	70	56	39	91	61	64	97	46	14	13	34	13	27	15	20	19	17	17	45	22	25	19	29	37	97	13
5	19	12	13	17	9	8	17	50	45	51	8	8	22	23	18	63	60	53	31	35	32	56	40	47	31	63	8
6	47	79	92	92	70	69	94	76	49	70	76	58	54	23	23	12	11	39	12	9	10	16	16	11	46	94	9
7	37	16	13	12	18	10	19	20	41	20	14	11	37	12	10	10	28	65	22	18	45	15	71	77	27	77	10
8	57	67	57	75	49	74	66	87	47	26	49	81	20	65	34	42	10	51	80	32	49	15	47	21	50	87	10
9	27	15	18	50	17	13	22	6	18	56	83	75	8	12	9	15	11	10	13	10	13	11	25	41	24	83	6
10	15	18	76	13	30	97	60	65	17	9	9	9	10	10	10	8	9	8	11	9	8	9	11	9	22	97	8
11	12	18	87	91	56	12	37	36	12	10	13	15	12	16	11	16	33	11	17	11	11	34	64	46	28	91	10
12	79	29	37	12	13	15	12	11	10	11	11	11	11	11	10	9	9	10	10	10	12	10	12	11	16	79	9
13	10	10	9	10	9	10	9	11	11	10	9	11	13	10	9	8	9	12	17	8	14	11	19	20	11	20	8
14	33	57	14	43	22	48	78	54	34	50	13	85	61	9	8	14	16	15	29	14	12	23	22	61	34	85	8
15	51	51	18	15	12	39	21	9	8	10	9	13	11	11	12	10	9	13	59	45	55	20	17	29	23	59	8
16	44	73	50	95	34	31	26	34	40	50	97	68	16	11	12	12	69	57	32	28	56	57	38	54	45	97	11
17	58	57	59	57	72	62	94	58	75	80	73	103	58	43	24	9	7	74	28	28	63	37	47	51	55	103	7
18	31	56	56	101	60	80	48	65	47	41	73	97	94	52	28	79	55	63	38	26	38	47	60	75	59	101	26
19	90	66	95	100	71	52	40	39	62	66	62	85	39	96	10	9	31	13	24	10	19	19	14	16	47	100	9
20	30	32	79	77	85	48	82	61	36	62	82	86	84	73	39	34	54	42	33	59	55	70	79	72	61	86	30
21	63	75	74	66	66	65	75	70	81	61	81	81	79	31	14	47	16	21	31	23	76	80	79	67	59	81	14
22	96	97	102	79	63	71	86	66	91	29	71	13	6	10	10	61	28	26	69	74	76	20	40	11	54	102	6
23	36	24	30	27	15	13	26	15	57	76	82	99	49	43	65	26	33	36	38	39	92	24	25	74	44	99	13
24	55	45	38	60	39	44	57	68	77	86	90	84	34	34	12	11	48	65	26	49	61	56	67	56	53	90	11
25	74	61	73	57	67	87	94	81	63	53	82	81	34	10	9	12	57	44	33	56	27	54	29	35	53	94	9
26	38	31	47	39	37	9	15	9	9	11	19	19	10	12	11	8	12	10	23	23	18	15	20	52	21	52	8
27	25	28	10	14	19	24	22	33	31	55	42	46	8	11	12	10	10	8	46	42	89	16	30	44	28	89	8
28	44	50	58	64	81	55	51	73	84	70	79	79	55	21	28	12	14	46	19	18	22	34	15	13	45	84	12
29	46	87	10	12	18	11	60	53	18	26	8	5	36	12	12	10	9	9	10	9	9	12	9	23	21	87	5
30	11	18	16	12	13	15	9	7	10	17	20	17	9	13	9	23	20	16	48	97	88	74	23	31	26	97	7
31	49	56	68	89	19	48	92	72	84	71	59	66	16	19	13	11	41	30	10	12	10	5	8	15	40	92	5
Avg	42	44	46	48	40	41	48	46	44	43	48	50	33	27	19	23	27	31	34	33	41	32	37	40	38	86	10
Max	96	97	102	101	91	97	94	97	91	86	97	103	94	96	79	82	81	74	91	97	93	80	79	79	69	103	30
Min	10	10	8	8	8	7	9	6	8	9	8	5	6	9	8	8	7	8	10	8	8	5	8	9	11	20	5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
February 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	34	28	38	45	50	80	66	57	46	54	83	54	41	78	22	21	59	35	69	61	81	81	82	50	55	83	21
2	79	97	87	80	97	93	84	89	88	39	84	57	66	70	80	67	31	57	86	60	41	35	72	56	71	97	31
3	66	63	20	42	20	6	10	31	46	25	41	12	5	10	40	10	20	19	21	28	75	86	39	91	34	91	5
4	50	34	54	52	68	48	88	71	39	74	31	38	5	3	3	5	5	6	79	66	38	91	29	13	41	91	3
5	29	53	80	56	52	50	77	72	97	59	59	94	32	5	5	4	10	24	86	25	34	57	65	81	50	97	4
6	92	74	89	61	66	61	59	55	65	65	68	44	31	74	53	30	53	89	62	84	65	37	51	45	61	92	30
7	34	56	58	19	24	36	35	31	31	56	90	51	59	14	9	86	85	72	44	36	36	50	64	70	48	90	9
8	82	73	73	34	19	13	10	24	22	40	24	10	6	8	7	5	13	76	49	67	51	51	33	88	37	88	5
9	95	80	61	96	98	67	6	10	5	13	58	29	45	47	17	33	9	20	73	49	87	83	98	49	51	98	5
10	73	72	37	98	65	76	38	40	82	84	62	15	12	13	11	15	12	100	25	24	82	67	63	69	51	100	11
11	52	23	11	8	19	17	12	19	67	66	16	25	9	14	13	11	9	8	8	39	23	18	45	51	24	67	8
12	75	52	51	33	42	19	11	21	27	15	16	7	7	14	11	12	11	9	12	12	15	16	13	30	22	75	7
13	40	36	69	56	18	26	43	14	87	12	11	10	11	9	9	12	11	12	15	10	9	10	11	35	24	87	9
14	89	11	12	34	41	60	32	56	46	71	71	41	16	14	20	28	52	14	13	11	10	9	9	10	32	89	9
15	7	8	14	13	36	14	31	32	38	96	100	68	45	24	18	6	7	9	19	18	19	18	18	61	30	100	6
16	58	30	18	14	6	5	13	17	11	10	13	13	14	17	14	11	10	12	12	8	8	10	18	19	15	58	5
17	37	25	27	47	21	100	9	8	9	11	10	9	11	12	13	10	10	8	11	11	27	13	13	9	19	100	8
18	9	9	14	10	10	9	11	13	19	24	9	9	12	10	16	30	19	11	23	17	15	15	10	13	14	30	9
19	28	20	29	8	10	12	10	10	9	14	10	9	11	13	12	10	12	9	8	8	8	9	42	53	15	53	8
20	7	26	30	30	20	34	44	46	91	76	70	57	92	13	18	43	12	21	13	10	11	15	15	13	34	92	7
21	10	11	12	15	18	23	23	24	16	13	12	15	14	17	14	32	41	23	91	40	41	23	33	12	24	91	10
22	35	43	11	43	57	14	22	40	30	59	65	37	21	4	5	9	11	16	54	29	13	13	18	18	28	65	4
23	22	12	11	11	67	22	43	21	31	9	5	5	5	4	5	5	4	5	5	5	6	8	16	16	14	67	4
24	27	14	18	17	41	42	20	13	15	7	44	24	18	72	30	53	60	34	49	41	24	25	24	7	30	72	7
25	6	17	8	9	27	32	27	24	32	42	76	47	76	27	22	46	57	13	29	21	43	65	75	83	38	83	6
26	77	94	71	86	73	75	67	52	33	99	81	43	49	69	26	23	80	62	56	41	34	60	49	70	61	99	23
27	76	66	77	40	85	48	93	100	62	88	58	91	31	41	24	13	10	91	23	19	28	14	13	17	50	100	10
28	12	17	14	12	19	11	6	9	6	8	5	7	20	5	4	5	5	8	11	22	9	15	34	11	11	34	4
Avg	46	41	39	38	42	39	35	36	41	44	45	33	27	25	19	23	26	31	37	31	33	36	38	41	35	82	10
Max	95	97	89	98	98	100	93	100	97	99	100	94	92	78	80	86	85	100	91	84	87	91	98	91	71	100	31
Min	6	8	8	8	6	5	6	8	5	7	5	5	5	3	3	4	4	5	5	5	6	8	9	7	11	30	3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
March 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	13	8	10	38	70	44	22	20	5	5	4	5	6	4	6	5	7	5	6	6	6	10	8	43	15	70	4
2	100	28	66	68	98	56	84	82	81	50	98	77	72	9	7	10	8	12	12	10	13	16	38	22	47	100	7
3	17	19	28	13	49	50	59	49	34	12	14	18	41	72	83	10	10	10	14	64	71	35	37	16	34	83	10
4	45	20	36	30	84	72	19	12	10	14	10	9	10	9	8	17	10	27	43	47	65	27	82	60	32	84	8
5	27	44	67	29	31	22	31	31	17	9	18	11	11	14	13	19	12	11	9	14	18	11	12	52	22	67	9
6	37	15	24	13	22	12	17	28	18	43	15	11	12	10	16	11	9	12	17	11	17	25	58	41	21	58	9
7	52	83	64	58	13	20	30	12	11	12	9	8	7	8	7	8	7	15	88	21	7	17	51	42	27	88	7
8	72	74	35	34	43	50	84	46	78	66	76	86	68	16	39	27	17	36	46	39	14	14	49	96	50	96	14
9	73	19	48	66	16	46	49	24	51	11	10	10	17	21	11	11	14	8	9	46	93	43	18	12	30	93	8
10	9	12	80	29	46	93	50	38	38	62	34	11	34	43	34	50	27	23	11	22	59	63	15	13	37	93	9
11	36	23	77	16	70	84	83	29	70	75	91	71	19	14	8	13	14	11	17	69	18	27	30	30	41	91	8
12	26	48	41	58	75	69	64	75	72	74	45	Au	Au	Au	15	40	13	84	60	24	32	40	33	38	49	84	13
13	29	43	40	29	88	62	78	47	37	13	12	11	9	13	14	9	10	10	49	18	15	30	35	38	31	88	9
14	58	42	39	61	73	50	78	48	89	49	100	15	17	14	43	44	85	11	12	16	18	13	16	13	42	100	11
15	15	9	8	8	9	8	8	13	11	8	12	14	18	10	10	16	12	12	15	21	29	32	57	15	15	57	8
16	38	61	69	67	38	32	62	59	62	52	68	12	12	9	10	13	11	8	10	10	9	34	51	30	34	69	8
17	30	49	59	64	58	48	17	13	30	17	12	16	9	9	9	8	7	6	12	8	8	17	15	8	22	64	6
18	12	9	85	43	39	5	51	61	81	20	13	13	12	12	9	13	9	15	9	22	11	14	32	21	25	85	5
19	32	27	39	62	57	64	67	67	95	80	71	15	15	15	11	15	17	7	14	15	15	59	82	36	41	95	7
20	65	66	50	13	11	24	23	13	11	11	12	12	10	12	10	10	13	8	9	10	9	11	13	16	18	66	8
21	13	9	9	9	11	15	36	83	53	49	9	16	7	8	9	8	4	21	17	15	79	65	58	57	28	83	4
22	67	13	8	90	52	25	22	40	74	72	49	46	73	87	71	39	35	49	20	36	11	12	12	8	42	90	8
23	5	12	32	34	58	58	30	48	75	88	13	11	9	6	12	67	37	12	66	28	34	76	26	61	37	88	5
24	16	12	101	23	9	13	30	80	33	6	7	50	102	70	33	40	15	13	13	54	93	54	58	46	40	102	6
25	34	25	16	73	26	67	47	49	56	77	50	99	81	14	40	63	16	29	58	40	84	76	44	22	49	99	14
26	31	24	49	37	41	26	68	53	42	17	8	7	10	12	11	20	13	40	57	24	23	17	75	27	31	75	7
27	28	29	47	40	57	38	18	23	10	7	7	10	7	6	51	13	13	14	18	23	14	44	41	44	25	57	6
28	23	76	25	60	62	52	58	65	68	54	37	15	18	11	13	11	13	11	8	7	17	16	10	7	31	76	7
29	7	17	21	29	22	11	15	15	11	27	60	46	51	23	9	10	12	16	31	83	69	34	59	43	30	83	7
30	10	9	18	34	24	19	61	60	90	86	66	22	10	13	13	11	14	7	9	7	10	10	15	24	27	90	7
31	18	24	56	99	35	38	38	27	27	5	11	72	51	61	51	77	41	5	6	29	6	26	18	17	35	99	5
Avg	33	31	43	43	45	41	45	42	46	38	34	27	27	21	22	23	17	18	25	27	31	31	37	32	33	83	8
Max	100	83	101	99	98	93	84	83	95	88	100	99	102	87	83	77	85	84	88	83	93	76	82	96	50	102	14
Min	5	8	8	8	9	5	8	12	5	5	4	5	6	4	6	5	4	5	6	6	6	10	8	7	15	57	4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
January 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-2.1	-2.1	-1.8	-2.1	-2.9	-3.0	-3.4	-3.9	-4.3	-4.5	-4.3	-3.2	-2.7	-2.5	-1.9	-1.9	-2.2	-4.3	-5.5	-8.6	-11.1	-12.5	-13.3	-14.3	-4.9	-1.8	-14.3
2	-14.3	-13.8	-14.8	-14.1	-14.2	-13.9	-12.6	-11.7	-10.7	-9.5	-8.6	-6.4	-3.5	-1.1	1.2	0.9	-0.4	-1.5	-1.9	-1.2	-1.3	-0.4	2.8	3.6	-6.1	3.6	-14.8
3	4.3	4.6	4.6	5.2	4.9	4.2	2.7	2.6	1.5	0.0	-0.8	-1.1	-1.2	-2.5	-4.7	-5.7	-6.4	-7.3	-10.0	-12.2	-12.1	-13.3	-14.2	-15.4	-3.0	5.2	-15.4
4	-16.8	-17.0	-17.4	-17.9	-17.1	-16.1	-15.4	-14.8	-13.7	-11.4	-11.6	-12.8	-13.1	-13.6	-14.3	-14.4	-14.8	-14.9	-14.9	-14.8	-15.1	-16.3	-17.0	-18.8	-15.2	-11.4	-18.8
5	-19.2	-19.6	-20.1	-20.7	-21.3	-22.0	-22.8	-23.2	-23.4	-23.3	-23.8	-23.3	-22.9	-22.1	-20.9	-20.5	-21.1	-24.7	-26.8	-28.0	-28.6	-28.9	-29.1	-28.9	-23.5	-19.2	-29.1
6	-29.2	-28.6	-28.6	-26.7	-25.2	-24.1	-22.2	-19.1	-16.6	-16.0	-14.6	-12.6	-9.1	-5.7	-3.8	-3.3	-3.4	-4.5	-5.2	-5.7	-5.4	-6.4	-6.4	-6.1	-13.7	-3.3	-29.2
7	-6.3	-5.7	-5.6	-5.2	-4.3	-4.0	-6.0	-6.6	-5.2	-3.8	-3.4	-2.7	-1.3	-0.6	-1.1	-1.7	-2.0	-2.5	-3.1	-3.6	-5.0	-6.2	-6.1	-6.1	-4.1	-0.6	-6.6
8	-6.7	-6.7	-6.6	-6.6	-6.0	-5.5	-5.2	-4.8	-4.7	-4.1	-3.8	-2.5	-1.1	-0.7	-0.3	0.2	0.1	-0.8	-2.9	-2.5	-1.2	-1.2	-1.0	-2.6	-3.2	0.2	-6.7
9	-3.0	-2.7	-1.3	-1.2	-1.0	-2.0	-2.1	-2.6	-2.7	-2.1	-2.0	-1.3	-0.9	-1.0	-0.6	-1.0	-1.9	-2.7	-4.0	-4.8	-5.0	-4.9	-5.1	-5.4	-2.6	-0.6	-5.4
10	-5.3	-5.4	-6.3	-6.4	-6.7	-6.9	-6.8	-4.4	-3.2	-2.2	-1.5	-0.8	-0.4	-0.4	-0.3	0.0	-0.1	-0.4	-0.7	-0.3	-0.3	-0.4	-0.7	-1.0	-2.5	0.0	-6.9
11	-0.8	-0.7	-1.0	-1.7	0.7	1.0	1.6	2.7	3.5	4.1	5.5	6.7	6.3	4.5	3.9	3.2	1.4	-1.4	-1.0	-0.9	-1.3	-1.8	-3.6	-5.9	1.0	6.7	-5.9
12	-5.9	-5.4	-4.9	-3.5	-2.9	-2.6	-2.5	-2.5	-2.4	-2.3	-2.1	-2.1	-2.5	-2.2	-2.2	-2.6	-2.9	-3.4	-3.6	-3.5	-2.8	-2.2	-1.9	-1.3	-2.9	-1.3	-5.9
13	-0.8	-0.1	0.4	0.6	0.8	1.4	1.8	2.1	2.3	2.4	3.0	3.1	3.3	2.9	2.6	2.4	2.1	1.3	-1.8	-3.4	-4.2	-4.8	-5.1	-5.5	0.3	3.3	-5.5
14	-5.7	-5.9	-5.8	-5.9	-6.1	-7.1	-6.8	-6.8	-6.3	-4.6	-2.1	-1.8	-0.7	0.6	1.0	1.3	0.7	-0.1	-0.8	-0.2	-1.0	-0.7	-0.3	-0.6	-2.7	1.3	-7.1
15	-1.3	-1.0	0.0	1.2	1.4	1.0	1.6	2.5	2.6	2.3	3.0	2.9	2.3	2.3	2.8	3.6	3.1	2.2	0.5	-0.1	-3.2	-3.2	-2.4	-4.4	0.8	3.6	-4.4
16	-4.3	-5.1	-4.5	-4.8	-6.4	-8.2	-10.0	-10.9	-12.5	-12.0	-10.8	-7.6	-0.7	1.7	2.3	2.4	0.6	-2.0	-5.4	-6.9	-9.4	-10.2	-10.8	-11.5	-6.1	2.4	-12.5
17	-12.0	-12.0	-12.4	-12.6	-13.4	-13.3	-13.9	-14.3	-14.3	-14.5	-12.5	-9.9	-4.6	1.0	4.1	4.8	3.9	2.1	-0.9	-3.9	-6.3	-7.2	-9.0	-10.7	-7.6	4.8	-14.5
18	-12.0	-12.1	-12.5	-13.6	-14.2	-13.7	-13.9	-14.4	-14.2	-13.2	-12.1	-10.0	-7.3	1.5	4.1	4.1	3.4	2.8	-1.5	-4.7	-6.5	-7.3	-8.4	-9.1	-7.7	4.1	-14.4
19	-10.3	-9.6	-9.8	-8.7	-6.9	-5.1	-4.7	-4.5	-3.4	-3.9	-4.1	-3.7	-1.6	2.3	5.2	5.0	5.2	5.0	4.5	3.9	3.1	0.9	0.4	-0.9	-1.7	5.2	-10.3
20	-1.8	-2.9	-6.6	-7.7	-10.6	-11.8	-14.0	-15.1	-15.9	-15.2	-13.7	-12.0	-8.5	-5.7	-1.2	-0.1	-1.6	-5.4	-8.3	-10.6	-11.7	-13.0	-13.7	-14.1	-9.2	-0.1	-15.9
21	-14.5	-14.8	-14.8	-14.6	-14.0	-14.2	-14.5	-14.4	-14.6	-13.8	-10.9	-7.3	-1.0	2.5	4.1	3.0	1.2	-1.3	-3.6	-4.9	-5.4	-4.9	-4.6	-3.7	-7.5	4.1	-14.8
22	-4.1	-3.0	-3.1	-3.1	-3.5	-3.9	-3.5	-3.5	-3.4	-3.1	-2.7	-2.2	-2.1	-2.6	-3.2	-2.7	-2.6	-3.1	-4.3	-5.9	-6.5	-7.7	-8.8	-10.8	-4.1	-2.1	-10.8
23	-12.3	-14.3	-15.7	-15.3	-15.9	-17.0	-17.3	-16.1	-14.7	-13.5	-12.0	-10.8	-7.5	-5.4	-4.4	-4.0	-4.4	-6.1	-7.4	-7.8	-8.3	-9.2	-9.7	-9.3	-10.8	-4.0	-17.3
24	-8.3	-7.2	-7.0	-8.8	-9.1	-10.7	-9.8	-10.4	-9.9	-10.1	-8.1	-5.1	0.6	2.1	3.5	3.5	2.7	0.7	-4.3	-5.9	-8.1	-8.7	-9.5	-9.9	-5.7	3.5	-10.7
25	-10.2	-11.1	-10.4	-11.7	-11.0	-11.3	-11.9	-11.1	-10.8	-10.2	-8.7	-4.6	1.4	4.4	4.6	4.6	3.7	2.1	-2.0	-0.1	2.7	0.4	-1.3	-3.7	-4.4	4.6	-11.9
26	-3.4	-3.1	-3.0	-1.4	-0.7	0.0	-1.2	-0.7	-1.9	-2.1	-4.7	-7.6	-8.2	-8.8	-9.5	-10.1	-11.0	-11.9	-12.5	-12.8	-13.3	-13.5	-13.6	-14.0	-7.0	0.0	-14.0
27	-15.2	-17.3	-19.1	-21.3	-23.3	-24.7	-25.9	-26.6	-27.1	-26.8	-24.2	-16.4	-10.1	-9.6	-9.9	-10.2	-10.7	-11.8	-13.1	-13.7	-17.9	-21.0	-22.8	-24.6	-18.5	-9.6	-27.1
28	-24.7	-26.1	-26.0	-27.1	-27.6	-26.2	-25.2	-24.0	-22.7	-21.2	-19.1	-16.4	-7.8	-5.0	-4.0	-2.8	-3.4	-4.1	-5.6	-8.3	-8.5	-5.9	-5.3	-6.8	-14.7	-2.8	-27.6
29	-5.7	-3.6	-0.5	0.0	0.2	0.4	-0.2	-1.3	-2.2	-1.9	-1.8	-1.6	-1.2	-0.6	-0.5	0.2	0.3	0.1	0.0	-0.1	-0.3	-1.2	-2.6	-5.1	-1.2	0.4	-5.7
30	-7.4	-8.5	-9.8	-11.6	-12.7	-13.7	-14.6	-15.3	-16.2	-16.7	-16.9	-16.6	-16.6	-16.7	-16.7	-16.5	-16.5	-16.7	-16.9	-16.8	-16.6	-16.5	-16.3	-16.1	-15.0	-7.4	-16.9
31	-15.9	-15.8	-15.3	-15.2	-14.8	-14.7	-16.2	-17.4	-17.5	-15.9	-13.0	-9.7	-7.9	-7.9	-8.0	-8.8	-10.2	-11.5	-11.7	-12.8	-13.5	-14.3	-15.1	-15.1	-13.3	-7.9	-17.5
Avg	-8.9	-8.9	-9.0	-9.1	-9.2	-9.3	-9.5	-9.4	-9.2	-8.7	-7.8	-6.4	-4.2	-2.9	-2.2	-2.2	-2.8	-4.1	-5.6	-6.5	-7.2	-7.8	-8.2	-9.0	-7.0	-0.6	-13.5
Max	4.3	4.6	4.6	5.2	4.9	4.2	2.7	2.7	3.5	4.1	5.5	6.7	6.3	4.5	5.2	5.0	5.2	5.0	4.5	3.9	3.1	0.9	2.8	3.6	1.0	6.7	-4.4
Min	-29.2	-28.6	-28.6	-27.1	-27.6	-26.2	-25.9	-26.6	-27.1	-26.8	-24.2	-23.3	-22.9	-22.1	-20.9	-20.5	-21.1	-24.7	-26.8	-28.0	-28.6	-28.9	-29.1	-28.9	-23.5	-19.2	-29.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
February 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-16.7	-17.8	-20.5	-23.0	-24.5	-25.8	-26.2	-28.3	-28.0	-27.8	-25.7	-23.2	-20.7	-18.4	-14.4	-13.5	-14.5	-17.4	-20.3	-22.8	-23.8	-25.8	-26.0	-26.9	-22.2	-13.5	-28.3
2	-26.9	-27.2	-26.9	-26.3	-25.2	-24.2	-22.8	-21.0	-19.3	-17.2	-16.2	-14.5	-13.3	-11.5	-10.8	-9.9	-8.7	-8.9	-9.7	-10.3	-9.8	-10.1	-10.2	-10.6	-16.3	-8.7	-27.2
3	-11.2	-12.0	-13.5	-14.0	-14.3	-15.1	-15.0	-15.7	-15.7	-15.3	-14.7	-14.7	-15.2	-15.9	-16.7	-17.7	-17.8	-17.9	-18.7	-19.4	-21.5	-22.0	-22.8	-23.1	-16.7	-11.2	-23.1
4	-24.3	-25.7	-27.1	-27.5	-28.7	-29.4	-30.0	-29.9	-29.4	-29.1	-26.6	-24.5	-23.7	-23.6	-23.8	-23.7	-24.7	-25.7	-26.8	-27.8	-28.1	-27.6	-28.1	-30.1	-26.9	-23.6	-30.1
5	-31.4	-32.6	-33.4	-33.9	-34.8	-35.6	-36.4	-36.6	-36.9	-35.8	-34.5	-31.6	-27.7	-26.5	-26.2	-26.2	-26.7	-28.2	-29.8	-32.6	-34.4	-35.5	-36.0	-37.0	-32.5	-26.2	-37.0
6	-37.7	-37.9	-38.5	-38.6	-38.8	-39.0	-39.3	-39.1	-39.7	-38.0	-36.4	-33.9	-30.6	-26.9	-24.7	-23.3	-23.8	-25.6	-28.5	-30.8	-31.8	-32.2	-33.1	-33.2	-33.4	-23.3	-39.7
7	-33.3	-32.0	-30.3	-27.2	-24.1	-21.2	-19.0	-17.8	-16.5	-15.4	-13.8	-12.2	-10.6	-10.0	-9.1	-8.7	-9.2	-9.4	-12.6	-16.3	-19.1	-20.8	-22.2	-21.8	-18.0	-8.7	-33.3
8	-20.8	-18.8	-18.5	-17.1	-16.8	-18.9	-19.7	-19.5	-19.2	-18.5	-18.0	-18.5	-18.7	-18.7	-18.0	-18.7	-19.3	-20.3	-22.3	-25.0	-26.3	-26.7	-26.8	-26.4	-20.5	-16.8	-26.8
9	-26.2	-25.0	-23.6	-22.3	-21.1	-19.5	-19.2	-19.2	-19.5	-18.8	-18.2	-15.7	-14.5	-13.9	-13.3	-13.1	-13.5	-13.6	-13.4	-13.2	-12.9	-12.7	-12.3	-12.2	-17.0	-12.2	-26.2
10	-11.9	-11.0	-10.5	-10.0	-9.8	-10.3	-10.8	-12.1	-12.2	-11.6	-9.5	-4.9	-3.7	-2.9	-1.9	-1.9	-1.4	-2.5	-3.2	-3.0	-2.9	-3.3	-3.0	-2.3	-6.5	-1.4	-12.2
11	-1.3	-0.6	-0.6	-0.3	-0.5	-0.6	-0.5	-0.2	-1.1	-1.6	0.1	-0.9	-1.9	-2.8	-2.0	-1.3	-1.9	-2.9	-4.0	-5.0	-8.4	-11.6	-14.1	-15.3	-3.3	0.1	-15.3
12	-16.1	-15.0	-12.6	-10.5	-6.7	-2.5	-1.2	-0.5	0.1	1.1	2.3	2.7	2.6	4.1	4.1	4.2	3.9	2.8	2.4	1.8	1.5	1.3	0.6	0.0	-1.2	4.2	-16.1
13	-1.3	-0.5	0.5	0.0	0.1	0.3	-2.7	-4.1	-2.3	0.8	2.0	2.1	2.5	1.9	1.0	0.3	-1.1	-1.9	-2.9	-2.5	-2.4	-2.6	-2.9	-4.2	-0.8	2.5	-4.2
14	-5.9	-8.7	-9.5	-10.9	-10.6	-11.3	-10.8	-11.1	-10.3	-9.2	-6.9	-2.7	-1.7	-0.8	-0.3	-0.1	0.5	1.0	0.9	1.0	0.6	0.3	-0.2	-0.6	-4.5	1.0	-11.3
15	-0.8	-0.8	-1.2	-1.3	-1.9	-4.7	-7.3	-10.2	-11.3	-10.6	-8.8	-4.7	-0.4	1.1	1.4	1.4	1.9	1.7	-0.1	-1.3	-0.2	0.6	1.1	1.9	-2.3	1.9	-11.3
16	3.2	4.9	4.5	4.6	4.8	4.6	4.5	2.1	-0.1	-0.6	-1.2	-1.0	-1.2	-0.8	-1.4	-2.2	-2.5	-2.6	-3.4	-3.8	-3.6	-3.9	-4.0	-3.7	-0.1	4.9	-4.0
17	-3.1	-3.3	-4.3	-4.1	-5.5	-5.2	-1.6	-1.8	-1.8	-0.8	0.1	1.1	2.2	3.0	3.8	3.3	2.8	2.2	1.8	1.9	0.6	-0.7	-0.7	-0.9	-0.5	3.8	-5.5
18	-1.7	-2.3	-3.0	-3.9	-4.3	-4.6	-4.5	-5.2	-5.0	-4.2	-3.3	-2.6	-2.5	-2.2	-1.0	-0.3	-0.4	0.9	0.2	0.6	0.3	0.9	0.8	0.9	-1.9	0.9	-5.2
19	1.2	1.0	0.5	-2.1	-1.7	-2.4	-3.5	-4.3	-4.7	-5.1	-5.1	-4.8	-4.3	-4.1	-4.5	-4.9	-4.7	-5.9	-6.8	-6.7	-6.9	-6.9	-8.3	-10.3	-4.4	1.2	-10.3
20	-12.3	-13.2	-15.5	-17.0	-17.9	-19.6	-20.2	-21.0	-20.8	-18.8	-9.9	-6.5	-5.8	-5.5	-5.2	-4.6	-4.6	-4.4	-4.3	-4.4	-4.7	-5.0	-4.9	-4.9	-10.5	-4.3	-21.0
21	-4.9	-5.1	-5.4	-6.0	-6.5	-7.0	-6.8	-7.1	-7.0	-6.1	-5.7	-5.6	-5.4	-5.3	-6.2	-6.9	-7.4	-7.3	-7.8	-8.2	-9.3	-9.3	-10.9	-11.5	-7.0	-4.9	-11.5
22	-13.1	-16.0	-14.8	-15.7	-14.8	-14.3	-14.6	-16.4	-18.2	-17.6	-16.1	-14.4	-12.2	-11.3	-10.7	-10.5	-10.6	-11.2	-12.0	-12.2	-12.6	-12.6	-12.7	-13.3	-13.7	-10.5	-18.2
23	-13.3	-13.8	-14.1	-14.7	-15.0	-15.2	-15.4	-15.8	-15.8	-15.3	-14.9	-14.5	-13.8	-13.6	-14.0	-14.6	-14.9	-15.0	-15.1	-15.2	-15.3	-15.4	-15.4	-17.8	-14.9	-13.3	-17.8
24	-18.8	-19.4	-19.7	-19.5	-19.1	-18.9	-18.8	-19.1	-19.5	-19.8	-19.0	-18.0	-16.7	-15.5	-14.8	-14.2	-13.6	-13.8	-13.9	-13.9	-13.8	-13.8	-13.8	-14.3	-16.7	-13.6	-19.8
25	-14.3	-14.3	-14.3	-13.9	-14.1	-16.6	-19.5	-22.1	-24.0	-24.0	-20.9	-17.1	-14.9	-13.2	-12.3	-11.7	-12.1	-14.4	-16.6	-19.6	-22.5	-23.5	-24.2	-24.9	-17.7	-11.7	-24.9
26	-25.8	-26.3	-26.9	-27.2	-26.7	-27.3	-27.1	-26.1	-24.8	-23.2	-19.7	-16.0	-12.2	-7.8	-4.3	-3.2	-3.8	-6.2	-10.2	-13.5	-15.1	-15.7	-16.5	-17.0	-17.6	-3.2	-27.3
27	-16.8	-15.0	-14.4	-12.6	-12.7	-12.6	-13.3	-13.9	-12.7	-10.3	-7.9	-3.8	1.8	1.7	2.5	2.1	0.5	0.0	0.1	-1.0	-2.7	-4.5	-7.0	-9.1	-6.7	2.5	-16.8
28	-10.6	-11.7	-12.8	-13.4	-14.0	-14.9	-16.4	-17.3	-17.6	-17.4	-17.3	-17.1	-17.9	-19.1	-19.2	-19.7	-20.0	-20.4	-21.0	-21.5	-22.3	-22.9	-23.0	-22.9	-17.9	-10.6	-23.0
Avg	-14.1	-14.3	-14.5	-14.6	-14.5	-14.7	-14.9	-15.5	-15.5	-14.7	-13.1	-11.3	-10.0	-9.2	-8.6	-8.6	-8.8	-9.5	-10.6	-11.6	-12.4	-12.9	-13.4	-14.0	-12.6	-7.0	-19.6
Max	3.2	4.9	4.5	4.6	4.8	4.6	4.5	2.1	0.1	1.1	2.3	2.7	2.6	4.1	4.1	4.2	3.9	2.8	2.4	1.9	1.5	1.3	1.1	1.9	-0.1	4.9	-4.0
Min	-37.7	-37.9	-38.5	-38.6	-38.8	-39.0	-39.3	-39.1	-39.7	-38.0	-36.4	-33.9	-30.6	-26.9	-26.2	-26.2	-26.7	-28.2	-29.8	-32.6	-34.4	-35.5	-36.0	-37.0	-33.4	-26.2	-39.7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
March 2014

Day	<< Hour >>																										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-23.2	-23.7	-23.9	-24.2	-24.4	-24.4	-25.0	-25.8	-26.5	-27.1	-27.2	-27.1	-26.6	-26.2	-25.9	-26.0	-26.5	-27.1	-28.3	-27.8	-27.4	-26.8	-26.3	-26.0	-26.0	-23.2	-28.3
2	-25.6	-25.5	-25.1	-24.8	-24.5	-24.0	-23.9	-23.7	-22.7	-21.3	-19.3	-16.6	-11.0	-5.4	-4.3	-3.6	-2.5	-2.1	-1.4	-1.5	-1.2	-0.6	-1.4	-0.3	-13.0	-0.3	-25.6
3	-0.2	-0.1	-0.4	-0.7	-1.3	-1.1	-2.4	-0.1	0.3	1.8	2.3	2.5	2.8	3.1	4.0	4.4	3.3	3.2	3.5	3.2	2.8	1.8	1.6	1.1	1.5	4.4	-2.4
4	0.9	-0.1	-0.8	-1.1	-1.2	0.6	1.0	0.9	0.6	1.5	1.9	2.0	2.4	2.6	2.5	2.3	2.2	1.8	0.7	-0.6	-1.9	-2.9	-3.5	-3.2	0.4	2.6	-3.5
5	-1.1	-0.4	-1.6	-0.7	-1.3	-1.4	-2.4	-1.3	0.2	2.6	3.5	4.7	5.2	5.7	5.8	4.9	5.0	5.1	4.8	4.4	4.9	4.2	3.4	3.7	2.4	5.8	-2.4
6	2.9	5.0	5.4	5.7	5.6	6.1	5.6	3.6	2.4	2.7	3.7	3.7	3.6	3.3	3.4	3.8	3.6	3.2	2.5	1.8	1.7	0.9	-0.8	-1.4	3.3	6.1	-1.4
7	-1.5	-1.7	-0.7	-0.4	-0.1	-0.8	-0.7	-0.6	0.3	0.6	1.3	1.9	2.1	2.4	2.6	2.8	2.6	2.2	1.5	1.3	0.6	-0.4	-2.6	-3.3	0.4	2.8	-3.3
8	-4.3	-3.6	-3.8	-5.2	-7.1	-8.1	-9.5	-9.8	-9.3	-7.7	-5.0	-1.0	3.1	4.3	4.3	4.2	4.9	4.5	5.0	4.6	4.8	4.1	5.0	3.9	-0.9	5.0	-9.8
9	5.1	6.2	5.5	5.3	6.7	6.2	5.9	5.4	7.4	7.3	7.4	7.9	8.4	8.8	8.8	8.2	8.2	8.0	7.6	6.9	5.7	6.2	6.4	6.0	6.9	8.8	5.1
10	5.9	4.7	3.2	1.7	1.0	0.4	0.4	0.3	0.1	0.2	0.2	0.1	0.2	0.3	0.3	0.3	0.3	0.2	-0.1	-0.5	-0.8	-1.1	-1.3	-1.4	0.6	5.9	-1.4
11	-1.4	-1.8	-2.2	-2.8	-3.6	-5.4	-7.6	-8.6	-9.0	-8.4	-6.3	-2.8	-1.5	-0.7	-0.3	-0.2	0.2	0.0	-0.7	-2.3	-5.7	-6.8	-7.0	-6.1	-3.8	0.2	-9.0
12	-9.7	-11.0	-11.5	-12.0	-12.0	-11.4	-11.9	-11.3	-10.9	-8.3	-4.6	Au	Au	Au	2.0	2.6	2.7	1.8	-1.4	-3.1	-4.6	-5.9	-7.4	-8.4	-6.5	2.7	-12.0
13	-8.6	-8.8	-10.2	-11.0	-12.4	-12.5	-13.1	-9.9	-3.2	1.3	2.5	2.9	3.3	3.1	3.5	3.9	4.1	3.8	2.9	-0.8	-2.4	-4.3	-5.6	-7.7	-3.3	4.1	-13.1
14	-8.3	-9.2	-9.7	-10.4	-10.9	-11.8	-11.8	-11.5	-10.7	-8.1	-0.6	2.5	3.2	3.2	3.1	2.3	2.4	3.0	2.5	2.3	1.5	0.2	-0.1	-0.5	-3.2	3.2	-11.8
15	-1.4	-2.5	-2.3	-2.2	-2.1	-2.1	-2.1	-2.2	-1.5	-1.2	-0.6	0.4	1.2	1.9	2.2	2.4	2.7	2.8	1.8	1.9	1.8	1.0	-0.3	-1.8	-0.1	2.8	-2.5
16	-4.6	-6.4	-6.2	-6.7	-6.6	-5.1	-4.8	-4.7	-1.5	2.6	5.3	7.3	7.9	8.7	9.1	9.1	8.9	8.3	8.0	7.3	6.8	5.8	3.1	0.1	2.2	9.1	-6.7
17	-1.3	-3.4	-4.2	-3.1	-3.2	-3.3	1.3	1.8	1.3	0.7	0.9	0.0	-0.6	-1.3	-1.5	-2.2	-2.3	-2.5	-2.7	-2.5	-2.8	-3.0	-3.0	-3.3	-1.7	1.8	-4.2
18	-4.7	-5.0	-5.4	-5.4	-6.8	-6.8	-7.0	-6.9	-5.8	-4.4	-3.5	-3.1	-3.0	-2.5	-2.1	-2.1	-2.4	-2.4	-2.9	-4.0	-4.9	-5.7	-8.6	-11.6	-4.9	-2.1	-11.6
19	-14.6	-15.0	-15.8	-16.4	-16.2	-16.2	-15.5	-15.2	-14.1	-9.8	-4.3	-1.5	-0.8	-0.3	0.6	1.2	2.2	1.9	1.7	0.9	0.2	-2.9	-4.3	-2.2	-6.5	2.2	-16.4
20	-2.1	-2.7	-3.9	-2.4	-2.4	-1.9	-2.6	-3.2	-3.5	-3.5	-3.5	-3.3	-3.2	-2.8	-2.7	-2.7	-3.0	-4.0	-4.7	-5.2	-5.5	-5.7	-5.6	-6.4	-3.6	-1.9	-6.4
21	-7.6	-8.3	-9.0	-10.0	-11.4	-12.6	-14.0	-14.8	-15.2	-13.0	-10.6	-9.6	-8.9	-8.0	-7.2	-7.1	-8.2	-10.6	-12.4	-12.6	-12.5	-12.4	-12.2	-12.2	-10.9	-7.1	-15.2
22	-12.5	-13.4	-14.8	-16.1	-17.3	-18.7	-20.4	-20.3	-19.2	-16.9	-12.5	-10.6	-9.7	-8.5	-7.4	-6.5	-6.0	-5.9	-7.4	-7.4	-8.0	-8.2	-8.5	-8.6	-11.9	-5.9	-20.4
23	-8.7	-8.8	-9.0	-9.1	-8.9	-9.0	-8.8	-8.6	-8.2	-6.3	-5.0	-5.2	-4.8	-3.9	-3.5	-3.2	-2.2	-2.7	-4.6	-6.4	-8.9	-11.1	-12.2	-11.9	-7.1	-2.2	-12.2
24	-12.0	-11.9	-11.7	-11.8	-12.2	-11.9	-11.6	-11.1	-10.3	-9.7	-9.0	-7.9	-6.5	-5.4	-4.4	-3.7	-5.0	-6.7	-8.5	-10.4	-11.5	-12.0	-10.9	-9.2	-9.4	-3.7	-12.2
25	-9.3	-9.4	-9.5	-11.6	-12.4	-13.7	-13.8	-13.5	-12.2	-11.0	-6.9	-2.5	3.6	8.1	7.5	8.0	8.7	7.2	6.3	4.8	3.7	2.7	1.5	0.4	-2.6	8.7	-13.8
26	-0.6	0.5	-0.3	-1.3	-2.4	-2.2	-3.1	-3.1	-0.8	1.2	2.3	3.2	3.7	3.9	4.2	4.1	3.3	1.5	0.9	0.0	-1.8	-2.2	-2.4	-2.3	0.3	4.2	-3.1
27	-2.5	-2.6	-2.3	-2.3	-2.2	-1.7	-1.7	-1.7	-1.3	-1.1	-0.7	-0.5	-0.7	-0.3	-1.6	-2.1	-2.2	-2.9	-3.9	-5.1	-5.6	-5.9	-5.6	-5.6	-2.6	-0.3	-5.9
28	-5.7	-5.5	-5.3	-5.1	-5.1	-5.0	-6.6	-6.8	-5.3	-2.4	-0.2	1.1	1.8	2.6	3.4	4.4	5.0	5.0	4.7	4.2	4.1	3.9	4.3	4.4	-0.2	5.0	-6.8
29	4.5	4.6	4.9	4.4	4.1	5.2	5.4	5.1	3.9	2.4	0.9	0.7	1.1	1.4	0.9	1.2	1.5	1.5	1.5	1.1	0.8	-0.2	-0.5	-0.9	2.3	5.4	-0.9
30	-1.4	-1.8	-1.9	-2.3	-2.4	-2.7	-3.3	-3.8	-4.0	-2.6	0.0	0.7	1.1	0.6	-0.1	-0.5	-1.0	-2.8	-3.8	-4.1	-4.2	-4.4	-4.3	-4.2	-2.2	1.1	-4.4
31	-4.1	-4.2	-4.4	-4.6	-4.7	-4.8	-4.2	-4.2	-3.9	-3.4	-2.7	-1.6	-0.8	-0.8	-1.1	-1.4	-0.3	-1.1	-2.8	-3.1	-4.0	-4.1	-4.4	-4.8	-3.1	-0.3	-4.8
Avg	-5.1	-5.3	-5.7	-6.0	-6.4	-6.5	-6.7	-6.6	-5.9	-4.6	-2.9	-1.7	-0.8	-0.1	0.2	0.3	0.3	-0.2	-1.0	-1.7	-2.4	-3.1	-3.7	-4.0	-3.3	1.4	-8.6
Max	5.9	6.2	5.5	5.7	6.7	6.2	5.9	5.4	7.4	7.3	7.4	7.9	8.4	8.8	9.1	9.1	8.9	8.3	8.0	7.3	6.8	6.2	6.4	6.0	6.9	9.1	5.1
Min	-25.6	-25.5	-25.1	-24.8	-24.5	-24.4	-25.0	-25.8	-26.5	-27.1	-27.2	-27.1	-26.6	-26.2	-25.9	-26.0	-26.5	-27.1	-28.3	-27.8	-27.4	-26.8	-26.3	-26.0	-26.0	-23.2	-28.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
January 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-2.1	-2.2	-1.9	-2.2	-2.9	-3.1	-3.5	-4.1	-4.5	-5.0	-4.5	-3.3	-3.2	-3.2	-2.6	-2.3	-2.9	-5.2	-6.4	-9.7	-12.0	-13.9	-14.7	-16.0	-5.5	-1.9	-16.0
2	-16.1	-15.3	-16.3	-15.7	-15.7	-15.4	-13.4	-12.8	-11.5	-9.9	-9.1	-7.4	-5.8	-2.3	-0.1	0.1	-1.5	-2.1	-2.5	-1.9	-1.9	-0.7	2.1	3.1	-7.2	3.1	-16.3
3	3.9	4.2	4.3	4.8	4.6	3.9	2.5	2.2	1.1	-0.4	-1.2	-1.6	-1.6	-2.9	-4.7	-5.8	-6.7	-7.9	-11.2	-13.8	-13.6	-14.4	-15.2	-16.7	-3.6	4.8	-16.7
4	-18.0	-17.7	-18.4	-18.8	-17.6	-16.2	-15.4	-15.1	-13.9	-11.7	-11.7	-12.8	-13.1	-13.6	-14.3	-14.4	-14.8	-14.8	-14.9	-15.0	-15.2	-16.3	-16.9	-18.8	-15.4	-11.7	-18.8
5	-19.1	-19.7	-20.0	-20.8	-21.3	-22.2	-23.0	-23.5	-24.0	-23.7	-24.0	-23.4	-23.0	-22.2	-21.2	-20.9	-21.9	-25.9	-27.9	-28.8	-29.5	-29.9	-30.5	-30.1	-24.0	-19.1	-30.5
6	-30.1	-29.9	-29.5	-27.2	-26.2	-24.9	-22.2	-19.7	-17.7	-16.7	-15.1	-14.0	-11.1	-6.4	-4.4	-4.2	-4.5	-5.4	-6.3	-6.4	-6.2	-6.6	-6.7	-7.1	-14.5	-4.2	-30.1
7	-7.2	-6.8	-6.8	-6.9	-5.9	-6.6	-7.5	-7.8	-6.8	-4.2	-3.5	-2.9	-1.6	-0.8	-1.2	-1.9	-2.1	-2.7	-3.7	-4.5	-6.2	-7.0	-6.7	-6.7	-4.9	-0.8	-7.8
8	-7.5	-7.4	-7.0	-6.9	-6.2	-5.7	-5.3	-5.1	-4.8	-4.2	-3.8	-2.4	-1.2	-0.9	-0.6	-0.4	-0.3	-2.0	-3.9	-3.1	-1.6	-1.8	-1.8	-3.1	-3.6	-0.3	-7.5
9	-3.2	-3.1	-2.1	-1.6	-1.3	-2.3	-2.3	-2.9	-3.0	-2.2	-2.3	-1.6	-1.1	-1.1	-0.8	-1.3	-2.3	-3.4	-4.7	-5.3	-5.5	-5.4	-5.7	-6.1	-2.9	-0.8	-6.1
10	-5.4	-5.5	-6.3	-6.4	-6.8	-6.9	-7.0	-4.7	-3.4	-2.3	-1.7	-1.0	-0.6	-0.7	-0.5	-0.4	-0.4	-0.8	-1.1	-0.5	-0.7	-0.7	-0.9	-1.5	-2.8	-0.4	-7.0
11	-1.1	-1.0	-1.3	-2.4	0.2	0.5	1.3	2.3	3.2	3.8	5.0	6.1	5.7	4.1	3.6	2.9	1.2	-1.4	-1.2	-1.1	-1.6	-2.3	-4.7	-6.9	0.6	6.1	-6.9
12	-6.7	-6.6	-5.6	-4.1	-3.2	-2.8	-2.6	-2.7	-2.6	-2.5	-2.4	-2.4	-2.6	-2.5	-2.5	-2.9	-3.2	-3.6	-3.9	-3.7	-3.0	-2.4	-2.1	-1.6	-3.3	-1.6	-6.7
13	-1.0	-0.3	0.2	0.4	0.7	1.2	1.5	1.8	2.0	2.1	2.6	2.8	3.0	2.4	2.2	2.1	1.8	1.1	-1.8	-3.3	-4.2	-4.8	-5.1	-5.5	0.1	3.0	-5.5
14	-5.7	-5.9	-5.8	-6.0	-6.4	-7.6	-7.1	-6.9	-6.4	-5.5	-2.9	-2.3	-1.0	0.2	0.5	0.9	0.0	-0.9	-1.6	-1.2	-2.2	-1.5	-0.8	-1.2	-3.2	0.9	-7.6
15	-2.2	-1.9	-1.0	0.8	1.0	0.5	0.9	1.7	1.7	1.6	2.6	2.5	1.8	1.9	2.4	3.0	2.2	1.1	-0.4	-2.3	-5.1	-5.3	-6.4	-7.0	-0.2	3.0	-7.0
16	-6.7	-7.0	-5.7	-6.4	-7.7	-9.3	-11.0	-12.0	-13.8	-13.3	-11.8	-10.0	-2.4	0.8	1.3	1.0	-0.1	-3.7	-6.4	-8.7	-11.2	-11.2	-12.5	-13.3	-7.5	1.3	-13.8
17	-13.3	-13.3	-13.9	-14.1	-15.1	-15.1	-15.7	-15.9	-16.0	-15.7	-14.2	-11.6	-8.5	0.0	3.2	3.6	2.0	0.6	-2.5	-5.3	-7.7	-9.0	-10.2	-11.8	-9.1	3.6	-16.0
18	-13.5	-13.4	-14.2	-15.7	-16.3	-15.7	-16.2	-16.4	-16.2	-15.5	-13.8	-11.1	-8.7	0.0	3.4	3.6	2.7	1.3	-2.8	-5.5	-8.0	-8.6	-9.9	-10.8	-9.2	3.6	-16.4
19	-11.6	-11.4	-11.4	-10.0	-8.4	-6.3	-5.9	-5.5	-4.3	-5.3	-5.2	-4.9	-2.5	0.9	4.4	4.2	4.5	4.4	3.6	3.0	2.3	0.0	-0.7	-2.5	-2.9	4.5	-11.6
20	-2.6	-3.9	-8.0	-9.0	-12.2	-14.0	-16.0	-16.4	-17.6	-16.7	-15.2	-13.0	-10.1	-7.1	-2.4	-1.1	-3.2	-7.3	-10.3	-12.2	-13.5	-14.8	-15.5	-16.0	-10.8	-1.1	-17.6
21	-16.3	-16.5	-16.6	-16.3	-16.1	-16.4	-16.3	-16.6	-16.5	-15.3	-12.6	-10.3	-4.7	2.0	3.0	1.5	-1.4	-3.1	-4.3	-6.2	-6.5	-5.6	-5.2	-4.5	-9.2	3.0	-16.6
22	-4.7	-3.9	-3.8	-3.8	-4.1	-4.0	-3.7	-3.7	-3.6	-3.2	-2.7	-2.1	-2.1	-2.6	-3.1	-2.7	-2.8	-3.4	-5.1	-6.9	-6.8	-8.1	-9.3	-11.1	-4.5	-2.1	-11.1
23	-13.2	-15.5	-16.7	-15.3	-15.8	-17.6	-17.2	-16.1	-14.6	-13.3	-12.0	-11.1	-8.7	-5.2	-4.3	-4.0	-4.9	-6.8	-8.0	-8.6	-9.1	-10.2	-10.6	-9.6	-11.2	-4.0	-17.6
24	-8.8	-7.9	-8.2	-10.3	-10.4	-11.6	-11.5	-12.0	-11.3	-11.4	-9.3	-7.1	-2.0	1.8	2.7	2.6	2.2	-1.8	-5.4	-7.2	-9.5	-10.3	-11.8	-12.1	-7.1	2.7	-12.1
25	-11.8	-12.6	-12.3	-13.5	-13.2	-13.2	-13.8	-12.4	-12.3	-11.7	-10.3	-6.8	-0.7	3.7	4.0	3.5	2.8	0.4	-3.7	-1.8	1.7	-0.5	-3.7	-4.1	-5.9	4.0	-13.8
26	-3.8	-4.0	-3.8	-2.4	-1.1	-0.4	-1.2	-0.8	-1.9	-2.1	-4.8	-7.6	-8.4	-8.8	-9.5	-10.0	-11.0	-11.9	-12.5	-12.8	-13.3	-13.5	-13.6	-14.1	-7.2	-0.4	-14.1
27	-15.4	-17.9	-19.6	-22.0	-23.9	-25.5	-26.8	-27.4	-28.1	-27.8	-26.1	-19.0	-10.5	-9.8	-10.1	-10.5	-11.1	-12.7	-14.0	-15.0	-19.2	-21.7	-23.7	-25.6	-19.3	-9.8	-28.1
28	-26.0	-27.3	-27.5	-28.6	-29.1	-28.3	-26.9	-24.9	-23.7	-22.5	-20.9	-17.9	-10.6	-5.2	-4.3	-3.7	-4.4	-5.0	-8.4	-10.3	-10.3	-9.3	-9.7	-10.0	-16.4	-3.7	-29.1
29	-9.0	-5.8	-0.9	-0.2	0.1	0.2	-0.4	-1.7	-2.2	-1.8	-1.8	-1.6	-1.2	-0.6	-0.5	0.2	0.1	0.0	-0.2	-0.3	-0.5	-1.3	-2.7	-5.1	-1.6	0.2	-9.0
30	-7.4	-8.5	-9.8	-11.6	-12.7	-13.7	-14.5	-15.3	-16.5	-16.8	-16.8	-16.5	-16.5	-16.6	-16.7	-16.3	-16.4	-16.7	-16.9	-16.7	-16.5	-16.4	-16.2	-16.1	-14.9	-7.4	-16.9
31	-15.8	-15.7	-15.3	-15.1	-14.7	-15.1	-17.1	-19.0	-18.2	-16.1	-13.9	-9.8	-7.9	-7.9	-8.0	-8.8	-10.2	-11.5	-11.8	-12.8	-13.6	-15.0	-16.7	-15.8	-13.6	-7.9	-19.0
Avg	-9.7	-9.8	-9.8	-9.9	-9.9	-10.1	-10.2	-10.1	-9.9	-9.3	-8.5	-7.2	-5.2	-3.3	-2.6	-2.7	-3.4	-4.9	-6.5	-7.4	-8.1	-8.7	-9.3	-9.9	-7.8	-1.1	-14.6
Max	3.9	4.2	4.3	4.8	4.6	3.9	2.5	2.3	3.2	3.8	5.0	6.1	5.7	4.1	4.4	4.2	4.5	4.4	3.6	3.0	2.3	0.0	2.1	3.1	0.6	6.1	-5.5
Min	-30.1	-29.9	-29.5	-28.6	-29.1	-28.3	-26.9	-27.4	-28.1	-27.8	-26.1	-23.4	-23.0	-22.2	-21.2	-20.9	-21.9	-25.9	-27.9	-28.8	-29.5	-29.9	-30.5	-30.1	-24.0	-19.1	-30.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
February 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-17.6	-19.2	-21.8	-23.8	-26.1	-26.8	-27.8	-29.8	-29.5	-29.1	-27.1	-25.1	-22.4	-19.9	-15.7	-14.5	-16.5	-19.9	-23.0	-24.9	-26.1	-28.0	-27.9	-29.0	-23.8	-14.5	-29.8
2	-29.2	-29.2	-28.6	-27.9	-26.8	-26.0	-24.6	-21.7	-19.7	-17.7	-16.2	-14.8	-13.5	-12.0	-11.2	-10.7	-9.6	-9.5	-10.5	-10.7	-10.3	-10.6	-10.6	-10.9	-17.2	-9.5	-29.2
3	-11.6	-12.3	-13.5	-14.0	-14.3	-15.1	-15.1	-15.7	-15.8	-15.3	-14.5	-14.5	-15.1	-15.8	-16.5	-17.6	-17.8	-18.0	-19.1	-20.8	-22.4	-22.8	-23.5	-24.1	-16.9	-11.6	-24.1
4	-25.7	-27.7	-28.3	-28.9	-29.8	-30.6	-31.2	-31.0	-30.5	-30.0	-29.0	-25.7	-23.6	-23.5	-23.9	-23.8	-25.0	-26.0	-27.1	-28.7	-28.5	-28.0	-28.7	-30.9	-27.8	-23.5	-31.2
5	-32.5	-33.1	-34.6	-35.1	-36.3	-37.0	-37.7	-38.0	-38.0	-37.8	-35.9	-33.0	-27.6	-26.6	-26.4	-26.6	-27.2	-28.8	-31.0	-34.0	-35.5	-36.6	-37.6	-38.2	-33.5	-26.4	-38.2
6	-38.9	-39.4	-39.7	-40.3	-40.3	-40.4	-40.8	-40.8	-40.8	-39.4	-37.8	-34.9	-31.6	-27.9	-25.2	-25.0	-24.7	-28.0	-30.3	-32.3	-34.1	-34.6	-35.2	-35.0	-34.9	-24.7	-40.8
7	-35.6	-34.2	-32.9	-28.9	-24.7	-21.7	-19.2	-17.8	-16.7	-15.8	-14.3	-12.6	-10.6	-10.0	-9.3	-8.9	-9.9	-10.6	-16.0	-18.3	-21.2	-23.0	-24.8	-23.2	-19.2	-8.9	-35.6
8	-22.4	-20.1	-19.2	-17.3	-16.8	-18.9	-19.7	-19.5	-19.1	-18.4	-17.9	-18.3	-18.5	-18.7	-18.0	-18.9	-19.8	-21.1	-23.9	-26.2	-27.8	-28.2	-27.9	-27.3	-21.0	-16.8	-28.2
9	-26.6	-25.2	-23.7	-22.2	-21.2	-19.5	-19.2	-19.2	-19.4	-18.8	-17.9	-15.9	-14.3	-13.6	-13.2	-12.9	-13.5	-13.6	-13.5	-13.3	-13.0	-12.6	-12.3	-12.3	-17.0	-12.3	-26.6
10	-12.1	-11.3	-10.6	-10.4	-10.3	-10.6	-11.5	-13.4	-13.0	-12.2	-10.4	-5.3	-3.9	-3.1	-2.1	-2.1	-1.5	-2.8	-3.4	-3.6	-3.5	-3.7	-3.4	-3.2	-7.0	-1.5	-13.4
11	-1.7	-0.9	-1.0	-0.8	-0.9	-1.1	-0.8	-0.4	-1.6	-1.8	-0.1	-1.0	-2.0	-2.9	-2.1	-1.7	-2.5	-3.8	-5.7	-6.8	-10.9	-13.1	-15.2	-16.6	-4.0	-0.1	-16.6
12	-18.0	-16.1	-13.4	-11.7	-7.7	-3.1	-2.0	-1.1	0.0	0.9	2.0	2.1	2.0	3.7	3.9	3.9	3.7	2.5	2.1	1.4	1.1	0.8	-0.1	-1.1	-1.8	3.9	-18.0
13	-2.6	-1.6	0.0	-1.0	-1.3	-1.1	-4.2	-5.0	-3.1	0.6	1.7	1.9	2.2	1.5	0.6	0.1	-1.3	-2.1	-3.0	-2.7	-2.5	-3.0	-3.3	-4.8	-1.4	2.2	-5.0
14	-7.3	-10.1	-11.1	-11.5	-11.2	-12.0	-11.5	-11.8	-11.3	-9.9	-8.0	-3.4	-2.0	-1.0	-0.7	-0.4	0.1	0.6	0.7	0.8	0.2	0.0	-0.5	-0.9	-5.1	0.8	-12.0
15	-1.1	-1.0	-1.5	-1.8	-2.7	-5.9	-8.6	-11.3	-12.3	-12.0	-10.4	-6.4	-1.2	0.6	0.6	0.2	0.9	1.0	-0.2	-1.3	-0.3	0.5	0.7	1.6	-3.0	1.6	-12.3
16	2.7	4.3	3.5	3.5	4.0	3.9	3.9	2.0	-0.1	-0.7	-1.4	-1.4	-1.4	-1.0	-1.8	-2.6	-2.9	-2.9	-3.8	-4.2	-3.9	-4.5	-4.6	-4.2	-0.6	4.3	-4.6
17	-3.5	-4.4	-5.8	-5.2	-6.4	-6.1	-2.3	-2.4	-2.4	-1.2	-0.3	0.8	1.9	2.7	3.3	2.7	2.2	1.3	0.7	1.1	0.4	-1.0	-0.9	-1.3	-1.1	3.3	-6.4
18	-2.1	-2.7	-3.3	-4.0	-4.4	-4.9	-4.9	-6.0	-5.8	-4.4	-3.6	-2.8	-2.6	-2.5	-1.4	-0.7	-1.1	0.2	-1.0	-0.2	-0.4	0.4	0.3	0.4	-2.4	0.4	-6.0
19	0.7	0.2	0.3	-2.2	-1.9	-2.8	-4.1	-4.8	-5.1	-5.6	-5.5	-5.1	-4.6	-4.4	-4.8	-5.1	-4.9	-6.0	-7.2	-7.0	-7.2	-7.2	-9.6	-11.1	-4.8	0.7	-11.1
20	-13.3	-13.7	-16.0	-17.8	-18.8	-20.7	-21.5	-22.5	-21.8	-19.8	-11.0	-7.0	-6.0	-5.6	-5.3	-4.8	-4.7	-4.5	-4.4	-4.5	-5.0	-5.2	-5.1	-5.1	-11.0	-4.4	-22.5
21	-5.2	-5.5	-6.0	-6.8	-6.9	-7.5	-7.0	-7.4	-7.7	-6.3	-5.9	-5.8	-5.6	-5.3	-6.2	-6.9	-7.5	-7.4	-8.1	-8.5	-10.0	-9.9	-11.9	-12.2	-7.4	-5.2	-12.2
22	-14.2	-17.3	-16.6	-16.5	-15.2	-14.5	-15.0	-17.5	-20.1	-19.2	-18.4	-14.4	-12.6	-11.5	-11.1	-11.2	-10.9	-11.5	-12.0	-12.3	-12.8	-12.8	-12.9	-13.6	-14.3	-10.9	-20.1
23	-13.5	-13.9	-14.3	-15.1	-15.2	-15.3	-15.6	-16.2	-15.9	-15.3	-14.8	-14.4	-13.7	-13.5	-14.0	-14.5	-14.8	-14.9	-15.0	-15.1	-15.2	-15.3	-15.4	-17.7	-14.9	-13.5	-17.7
24	-18.7	-19.3	-19.6	-19.5	-19.0	-18.8	-18.7	-19.0	-19.4	-19.7	-18.7	-17.6	-16.4	-15.1	-14.6	-14.0	-13.5	-13.7	-13.9	-13.8	-13.8	-13.7	-13.8	-14.2	-16.6	-13.5	-19.7
25	-14.3	-14.2	-14.4	-14.0	-14.6	-18.8	-20.6	-24.7	-26.7	-25.9	-23.6	-17.8	-15.1	-13.3	-12.5	-12.1	-13.2	-16.9	-18.3	-22.2	-24.6	-25.3	-27.0	-27.6	-19.1	-12.1	-27.6
26	-28.4	-28.3	-29.7	-29.3	-29.4	-29.4	-29.8	-28.4	-27.6	-25.7	-20.9	-17.1	-13.5	-9.6	-6.6	-4.3	-5.4	-8.8	-12.4	-16.2	-18.1	-18.4	-19.2	-19.8	-19.8	-4.3	-29.8
27	-17.9	-16.0	-15.3	-13.2	-14.0	-14.5	-14.8	-15.4	-14.3	-10.7	-8.0	-4.9	0.9	1.4	2.3	1.9	0.5	0.0	0.1	-0.9	-2.7	-4.5	-7.0	-9.1	-7.3	2.3	-17.9
28	-10.6	-11.7	-12.9	-13.3	-14.0	-14.8	-16.3	-17.3	-17.5	-17.3	-17.2	-17.0	-17.7	-18.9	-19.1	-19.4	-19.8	-20.3	-20.9	-21.6	-22.3	-22.8	-23.0	-22.9	-17.9	-10.6	-23.0
Avg	-15.0	-15.1	-15.4	-15.3	-15.2	-15.5	-15.7	-16.3	-16.3	-15.3	-13.8	-11.8	-10.3	-9.5	-9.0	-8.9	-9.3	-10.2	-11.4	-12.4	-13.2	-13.7	-14.3	-14.8	-13.2	-7.3	-20.7
Max	2.7	4.3	3.5	3.5	4.0	3.9	3.9	2.0	0.0	0.9	2.0	2.1	2.2	3.7	3.9	3.9	3.7	2.5	2.1	1.4	1.1	0.8	0.7	1.6	-0.6	4.3	-4.6
Min	-38.9	-39.4	-39.7	-40.3	-40.3	-40.4	-40.8	-40.8	-40.8	-39.4	-37.8	-34.9	-31.6	-27.9	-26.4	-26.6	-27.2	-28.8	-31.0	-34.0	-35.5	-36.6	-37.6	-38.2	-34.9	-26.4	-40.8

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
March 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-23.2	-23.7	-23.9	-24.0	-24.3	-24.3	-24.9	-25.7	-26.4	-27.0	-27.0	-26.8	-26.3	-25.9	-25.7	-25.7	-26.6	-27.5	-28.5	-27.7	-27.2	-26.6	-26.2	-25.8	-25.9	-23.2	-28.5
2	-25.4	-25.3	-24.9	-24.7	-24.3	-23.8	-24.1	-23.6	-22.5	-21.1	-19.2	-16.4	-11.8	-5.7	-4.9	-4.0	-2.9	-2.2	-1.6	-1.8	-1.3	-0.7	-1.7	-0.5	-13.1	-0.5	-25.4
3	-0.4	-0.2	-0.5	-1.0	-2.2	-1.7	-2.8	-0.8	-0.2	1.4	1.9	2.3	2.5	3.2	3.8	3.9	3.0	2.9	3.2	2.8	2.3	1.6	1.4	0.8	1.1	3.9	-2.8
4	0.4	-0.6	-1.5	-1.6	-1.7	0.2	0.4	0.3	0.0	1.2	1.6	1.8	2.3	2.3	2.3	2.1	1.9	0.9	-0.1	-1.2	-2.7	-3.5	-4.2	-4.0	-0.1	2.3	-4.2
5	-2.3	-1.7	-2.3	-1.5	-2.0	-2.3	-2.8	-2.3	-0.5	2.1	3.1	4.3	4.7	5.3	5.2	4.3	4.4	4.3	4.1	3.7	4.6	3.7	2.7	3.2	1.8	5.3	-2.8
6	2.6	4.2	4.6	5.1	4.8	5.0	4.4	3.2	2.3	2.2	3.4	3.4	3.3	3.0	3.0	3.4	3.2	2.8	2.0	1.0	1.3	0.4	-1.5	-1.8	2.7	5.1	-1.8
7	-2.0	-2.1	-1.2	-0.7	-0.3	-0.8	-0.8	-0.7	0.2	0.5	1.2	1.8	1.9	2.2	2.3	2.5	2.3	2.0	1.2	0.9	0.0	-1.5	-3.8	-4.7	0.0	2.5	-4.7
8	-5.5	-6.0	-6.4	-7.0	-8.0	-9.5	-11.0	-11.3	-10.7	-8.6	-6.1	-2.3	2.7	3.1	3.3	3.2	4.4	4.1	4.1	3.3	3.4	3.2	3.6	3.1	-2.1	4.4	-11.3
9	4.2	5.4	4.8	4.7	5.8	5.4	5.4	4.6	6.8	6.7	6.6	7.1	7.5	8.0	7.9	7.4	7.2	7.1	6.6	6.2	4.7	5.0	5.7	5.4	6.1	8.0	4.2
10	5.2	3.8	2.8	1.6	1.0	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.4	0.3	0.2	-0.1	-0.5	-0.8	-1.2	-1.3	-1.4	0.5	5.2	-1.4
11	-1.4	-1.9	-2.4	-3.3	-4.3	-6.6	-9.4	-10.5	-10.9	-9.5	-7.5	-3.4	-1.6	-0.8	-0.4	-0.4	-0.1	-0.6	-1.4	-3.9	-7.4	-8.9	-9.3	-9.8	-4.8	-0.1	-10.9
12	-10.7	-12.1	-12.9	-13.9	-13.9	-12.8	-13.3	-12.9	-12.1	-10.5	-6.2	Au	Au	Au	1.7	2.4	2.0	0.6	-2.4	-3.9	-6.3	-8.5	-9.5	-11.0	-7.9	2.4	-13.9
13	-10.8	-10.1	-12.2	-13.4	-14.7	-14.3	-15.3	-11.5	-3.7	0.0	2.1	2.6	3.0	2.8	3.2	3.6	3.5	3.1	1.8	-2.2	-3.5	-4.9	-7.2	-9.2	-4.5	3.6	-15.3
14	-9.9	-10.9	-11.0	-11.8	-12.9	-13.5	-13.3	-13.1	-12.0	-9.1	-3.4	2.1	2.9	3.0	2.7	2.1	2.1	2.8	2.3	2.0	1.3	0.1	-0.3	-0.7	-4.1	3.0	-13.5
15	-1.4	-2.5	-2.3	-2.2	-2.1	-2.1	-2.2	-2.2	-1.6	-1.4	-0.6	0.3	1.1	1.7	1.9	2.0	2.5	2.4	0.9	1.4	1.2	0.2	-1.3	-4.4	-0.4	2.5	-4.4
16	-5.4	-7.4	-6.8	-7.7	-7.6	-6.3	-6.2	-5.7	-3.3	2.0	4.6	6.8	7.3	7.9	8.3	8.2	8.0	7.1	6.6	5.2	4.9	3.3	1.1	-0.9	1.0	8.3	-7.7
17	-2.1	-4.5	-5.2	-4.3	-4.4	-4.5	0.3	1.4	0.8	0.6	0.9	0.0	-0.6	-1.2	-1.5	-2.1	-2.2	-2.5	-2.7	-2.7	-2.8	-3.0	-3.1	-3.9	-2.1	1.4	-5.2
18	-6.4	-6.5	-5.9	-6.0	-7.8	-7.6	-7.4	-7.1	-5.8	-4.4	-3.5	-3.2	-3.0	-2.7	-2.3	-2.3	-2.5	-2.6	-3.2	-5.4	-5.8	-7.6	-11.1	-13.5	-5.6	-2.3	-13.5
19	-15.7	-16.2	-17.3	-17.9	-18.0	-17.7	-16.8	-16.6	-15.3	-11.6	-5.3	-1.9	-1.1	-0.8	0.1	0.7	1.6	1.3	0.9	0.0	-2.2	-4.8	-6.2	-3.3	-7.7	1.6	-18.0
20	-3.4	-3.7	-4.6	-2.5	-2.6	-2.1	-2.8	-3.6	-3.9	-4.0	-3.8	-3.5	-3.4	-3.0	-2.9	-2.9	-3.3	-4.3	-5.0	-5.4	-5.7	-5.8	-5.7	-6.4	-3.9	-2.1	-6.4
21	-7.6	-8.3	-9.0	-10.2	-12.2	-13.6	-15.1	-15.4	-16.2	-13.7	-10.5	-9.3	-8.7	-7.7	-7.0	-7.0	-8.2	-10.8	-12.6	-12.8	-12.4	-12.3	-12.2	-12.4	-11.0	-7.0	-16.2
22	-12.6	-13.7	-15.2	-16.5	-17.8	-19.6	-21.9	-21.8	-21.2	-18.6	-12.6	-10.4	-9.2	-8.0	-7.2	-6.3	-6.0	-6.8	-8.5	-8.3	-8.2	-8.6	-8.6	-8.8	-12.4	-6.0	-21.9
23	-8.9	-9.1	-9.2	-9.2	-9.0	-8.9	-8.7	-8.5	-8.1	-6.5	-5.0	-5.2	-4.8	-3.9	-3.7	-3.2	-2.4	-3.8	-5.6	-8.5	-11.0	-13.4	-13.4	-12.4	-7.6	-2.4	-13.4
24	-12.1	-12.1	-11.7	-11.9	-12.2	-11.8	-11.5	-11.0	-10.1	-9.5	-8.7	-7.7	-6.0	-5.1	-4.3	-3.5	-5.4	-7.0	-9.2	-11.1	-12.3	-12.5	-11.4	-9.5	-9.5	-3.5	-12.5
25	-9.6	-9.6	-10.2	-12.5	-13.8	-14.6	-14.9	-14.5	-13.1	-11.1	-8.3	-3.5	2.7	7.1	6.3	7.4	6.6	5.6	4.3	3.8	2.9	1.9	0.7	-0.3	-3.6	7.4	-14.9
26	-1.6	-0.7	-1.1	-1.9	-3.2	-3.0	-4.0	-3.9	-1.6	1.0	2.0	2.8	3.3	3.5	3.8	3.5	2.9	1.3	0.7	-0.2	-2.0	-2.3	-2.4	-2.2	-0.2	3.8	-4.0
27	-2.4	-2.5	-2.2	-2.2	-2.3	-1.8	-1.7	-1.8	-1.3	-1.0	-0.6	-0.5	-0.6	-0.3	-1.4	-2.1	-2.2	-2.9	-4.0	-5.2	-6.0	-6.0	-5.6	-5.5	-2.6	-0.3	-6.0
28	-5.8	-5.5	-5.2	-5.0	-5.1	-5.3	-7.6	-7.8	-6.0	-2.8	-0.5	0.9	1.6	2.4	3.0	3.8	4.5	4.4	4.0	3.6	3.4	3.1	3.7	3.8	-0.6	4.5	-7.8
29	3.9	3.9	4.5	4.1	3.5	4.5	4.7	4.6	3.5	2.1	0.9	0.7	1.1	1.4	0.8	1.2	1.3	1.2	1.3	0.8	0.3	-0.5	-0.8	-1.1	2.0	4.7	-1.1
30	-1.5	-1.9	-1.9	-2.5	-2.5	-2.8	-3.6	-4.4	-4.4	-3.5	-0.4	0.6	1.0	0.5	-0.2	-0.5	-1.0	-2.8	-3.8	-4.1	-4.2	-4.4	-4.3	-4.3	-2.4	1.0	-4.4
31	-4.3	-4.3	-4.6	-4.8	-4.7	-4.9	-4.3	-4.2	-3.8	-3.3	-2.5	-1.2	-0.6	-0.7	-1.1	-1.3	-0.6	-2.3	-3.4	-3.5	-5.2	-4.7	-4.9	-5.5	-3.4	-0.6	-5.5
Avg	-5.7	-6.0	-6.3	-6.6	-7.1	-7.1	-7.4	-7.3	-6.5	-5.1	-3.3	-1.9	-1.0	-0.3	-0.1	0.0	-0.1	-0.7	-1.6	-2.4	-3.1	-3.8	-4.4	-4.7	-3.9	1.1	-9.5
Max	5.2	5.4	4.8	5.1	5.8	5.4	5.4	4.6	6.8	6.7	6.6	7.1	7.5	8.0	8.3	8.2	8.0	7.1	6.6	6.2	4.9	5.0	5.7	5.4	6.1	8.3	4.2
Min	-25.4	-25.3	-24.9	-24.7	-24.3	-24.3	-24.9	-25.7	-26.4	-27.0	-27.0	-26.8	-26.3	-25.9	-25.7	-25.7	-26.6	-27.5	-28.5	-27.7	-27.2	-26.6	-26.2	-25.8	-25.9	-23.2	-28.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
January 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.05	0.11	0.12	0.07	0.05	0.12	0.11	0.21	0.18	0.45	0.25	0.11	0.48	0.76	0.69	0.40	0.63	0.98	0.90	1.02	0.91	1.33	1.38	1.63	0.54	1.63	0.05
2	1.78	1.51	1.47	1.57	1.46	1.49	0.88	1.13	0.66	0.46	0.48	0.95	2.32	1.24	1.43	0.83	1.10	0.59	0.56	0.72	0.69	0.27	0.63	0.57	1.03	2.32	0.27
3	0.41	0.38	0.37	0.36	0.29	0.33	0.19	0.41	0.46	0.48	0.42	0.45	0.33	0.25	0.04	0.10	0.30	0.63	1.21	1.57	1.48	1.13	0.99	1.35	0.58	1.57	0.04
4	1.26	0.74	1.04	0.88	0.49	0.11	0.01	0.34	0.20	0.37	0.16	-0.02	-0.01	0.05	0.03	0.02	-0.03	-0.03	0.05	0.16	0.16	0.02	-0.03	0.00	0.25	1.26	-0.03
5	-0.03	-0.02	-0.03	0.06	0.03	0.08	0.13	0.27	0.62	0.44	0.21	0.12	0.04	0.11	0.36	0.41	0.82	1.15	1.11	0.88	0.91	1.02	1.31	1.14	0.46	1.31	-0.03
6	0.97	1.28	0.86	0.62	1.00	0.82	0.14	0.53	1.02	0.85	0.51	1.31	2.07	0.60	0.54	0.85	1.07	0.96	1.07	0.72	0.80	0.23	0.24	0.99	0.84	2.07	0.14
7	0.83	1.10	1.13	1.75	1.63	2.64	1.53	1.23	1.63	0.34	0.08	0.25	0.29	0.19	0.15	0.16	0.11	0.18	0.57	0.88	1.20	0.72	0.58	0.53	0.82	2.64	0.08
8	0.84	0.64	0.40	0.25	0.12	0.23	0.07	0.22	0.11	0.10	0.00	-0.03	0.11	0.16	0.32	0.71	0.41	1.28	1.02	0.52	0.39	0.57	0.80	0.53	0.41	1.28	-0.03
9	0.25	0.32	0.73	0.40	0.34	0.25	0.18	0.30	0.29	0.17	0.25	0.25	0.20	0.17	0.21	0.26	0.45	0.56	0.62	0.55	0.52	0.50	0.60	0.68	0.38	0.73	0.17
10	0.14	0.09	0.01	0.03	0.03	0.05	0.18	0.30	0.19	0.13	0.19	0.21	0.19	0.22	0.18	0.33	0.32	0.45	0.42	0.22	0.34	0.26	0.26	0.43	0.22	0.45	0.01
11	0.34	0.27	0.30	0.74	0.45	0.49	0.25	0.32	0.34	0.35	0.48	0.56	0.66	0.43	0.35	0.27	0.15	0.03	0.12	0.17	0.29	0.59	1.09	1.01	0.42	1.09	0.03
12	0.77	1.18	0.75	0.53	0.27	0.18	0.14	0.16	0.21	0.22	0.28	0.29	0.16	0.22	0.27	0.30	0.29	0.27	0.35	0.24	0.14	0.16	0.18	0.18	0.32	1.18	0.14
13	0.14	0.18	0.27	0.20	0.16	0.21	0.25	0.26	0.28	0.31	0.32	0.25	0.31	0.46	0.38	0.28	0.26	0.23	0.00	-0.02	-0.01	-0.02	0.00	0.00	0.20	0.46	-0.02
14	0.01	0.00	0.01	0.04	0.27	0.49	0.34	0.06	0.07	0.86	0.81	0.48	0.31	0.36	0.47	0.35	0.66	0.78	0.78	0.96	1.22	0.78	0.57	0.67	0.47	1.22	0.00
15	0.91	0.89	1.10	0.42	0.47	0.57	0.70	0.78	0.96	0.69	0.38	0.39	0.44	0.43	0.46	0.59	0.88	1.07	1.00	2.24	1.89	2.06	4.01	2.68	1.08	4.01	0.38
16	2.39	1.89	1.26	1.57	1.30	1.08	0.95	1.09	1.26	1.30	0.99	2.37	1.73	0.90	1.00	1.34	0.81	1.75	1.03	1.88	1.73	1.14	1.67	1.80	1.43	2.39	0.81
17	1.36	1.30	1.54	1.54	1.70	1.82	1.82	1.68	1.69	1.25	1.78	1.65	3.82	1.09	0.91	1.19	1.87	1.45	1.51	1.32	1.43	1.74	1.27	1.08	1.58	3.82	0.91
18	1.58	1.29	1.71	2.15	2.06	1.92	2.31	1.93	1.97	2.28	1.75	1.08	1.40	1.50	0.64	0.49	0.69	1.43	1.29	0.82	1.47	1.29	1.53	1.68	1.51	2.31	0.49
19	1.29	1.80	1.61	1.34	1.44	1.16	1.21	1.03	0.86	1.36	1.06	1.23	0.96	1.37	0.87	0.80	0.65	0.64	0.94	0.96	0.83	0.99	1.06	1.57	1.13	1.80	0.64
20	0.76	0.94	1.32	1.23	1.53	2.21	2.08	1.28	1.61	1.46	1.48	1.10	1.59	1.42	1.21	1.02	1.60	1.95	2.00	1.59	1.82	1.85	1.85	1.84	1.53	2.21	0.76
21	1.84	1.70	1.66	1.66	2.03	2.16	1.82	2.13	1.88	1.53	1.73	2.99	3.72	0.57	1.08	1.45	2.64	1.86	0.70	1.30	1.13	0.68	0.66	0.85	1.66	3.72	0.57
22	0.64	0.86	0.68	0.66	0.67	0.19	0.16	0.21	0.17	0.05	-0.02	-0.03	-0.01	0.00	-0.01	-0.01	0.18	0.32	0.85	0.99	0.26	0.36	0.50	0.32	0.33	0.99	-0.03
23	0.88	1.19	0.92	0.00	-0.06	0.53	-0.01	-0.07	-0.11	-0.12	-0.02	0.27	1.19	-0.18	-0.12	0.06	0.47	0.72	0.68	0.84	0.82	1.01	0.86	0.33	0.42	1.19	-0.18
24	0.52	0.74	1.09	1.56	1.31	0.95	1.68	1.66	1.39	1.38	1.11	1.98	2.68	0.38	0.82	0.85	0.54	2.56	1.05	1.34	1.43	1.64	2.25	2.25	1.38	2.68	0.38
25	1.60	1.54	1.96	1.88	2.23	1.85	1.92	1.30	1.43	1.49	1.59	2.19	2.18	0.73	0.59	1.14	0.90	1.69	1.65	1.72	0.95	0.96	2.40	0.43	1.51	2.40	0.43
26	0.47	0.88	0.78	0.99	0.40	0.34	0.05	0.09	0.02	0.03	0.15	0.06	0.20	0.06	0.00	-0.02	0.03	0.06	0.04	0.00	0.03	0.07	0.01	0.16	0.20	0.99	-0.02
27	0.22	0.61	0.53	0.65	0.64	0.74	0.87	0.84	1.00	1.01	1.89	2.53	0.43	0.18	0.19	0.27	0.46	0.93	0.89	1.26	1.28	0.66	0.96	1.01	0.84	2.53	0.18
28	1.27	1.17	1.53	1.50	1.60	2.16	1.77	0.92	1.07	1.33	1.81	1.46	2.81	0.21	0.24	0.85	0.98	0.97	2.80	2.02	1.77	3.33	4.47	3.18	1.72	4.47	0.21
29	3.38	2.28	0.36	0.24	0.15	0.18	0.23	0.45	0.02	-0.04	-0.02	-0.01	0.00	0.02	0.00	0.05	0.12	0.16	0.17	0.15	0.18	0.14	0.03	0.02	0.34	3.38	-0.04
30	-0.01	0.01	0.01	-0.02	-0.02	-0.02	-0.03	-0.02	0.27	0.24	-0.03	-0.15	-0.18	-0.15	-0.13	-0.13	-0.08	0.02	0.01	-0.08	-0.09	-0.09	-0.09	-0.08	-0.03	0.27	-0.18
31	-0.08	-0.09	-0.08	-0.04	-0.05	0.42	0.96	1.57	0.73	0.21	0.83	0.18	0.06	0.04	0.02	0.01	-0.01	0.03	0.06	0.00	0.10	0.74	1.52	0.70	0.33	1.57	-0.09
Avg	0.86	0.86	0.82	0.80	0.77	0.83	0.74	0.73	0.73	0.68	0.67	0.79	0.98	0.44	0.43	0.49	0.62	0.83	0.82	0.87	0.84	0.84	1.08	0.95	0.77	1.93	0.19
Max	3.38	2.28	1.96	2.15	2.23	2.64	2.31	2.13	1.97	2.28	1.89	2.99	3.82	1.50	1.43	1.45	2.64	2.56	2.80	2.24	1.89	3.33	4.47	3.18	1.72	4.47	0.91
Min	-0.08	-0.09	-0.08	-0.04	-0.06	-0.02	-0.03	-0.07	-0.11	-0.12	-0.03	-0.15	-0.18	-0.18	-0.13	-0.13	-0.08	-0.03	0.00	-0.08	-0.09	-0.09	-0.09	-0.08	-0.03	0.27	-0.18

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
February 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.99	1.33	1.38	0.76	1.46	1.06	1.58	1.52	1.50	1.32	1.39	1.97	1.79	1.50	1.33	0.93	1.93	2.56	2.63	2.04	2.21	2.20	1.91	2.15	1.64	2.63	0.76
2	2.23	1.96	1.76	1.58	1.61	1.75	1.76	0.61	0.40	0.52	0.05	0.35	0.18	0.58	0.29	0.82	0.97	0.59	0.69	0.42	0.51	0.48	0.37	0.32	0.87	2.23	0.05
3	0.46	0.37	0.00	-0.05	0.02	0.04	0.05	0.08	0.07	0.03	-0.09	-0.11	-0.09	-0.10	-0.13	-0.10	-0.05	0.07	0.40	1.40	0.89	0.82	0.60	1.05	0.23	1.40	-0.13
4	1.42	2.05	1.22	1.42	1.09	1.22	1.26	1.08	1.08	0.96	2.47	1.18	0.01	-0.10	0.07	0.07	0.37	0.41	0.27	0.83	0.42	0.34	0.46	0.86	0.85	2.47	-0.10
5	1.09	0.55	1.32	1.21	1.50	1.34	1.37	1.49	1.11	1.98	1.25	1.42	-0.01	0.12	0.15	0.40	0.53	0.55	1.19	1.40	1.04	1.13	1.64	1.30	1.04	1.98	-0.01
6	1.16	1.48	1.13	1.63	1.55	1.42	1.52	1.70	1.13	1.44	1.38	0.94	1.14	1.06	0.44	1.66	0.92	2.39	1.78	1.49	2.15	2.37	2.13	1.79	1.49	2.39	0.44
7	2.29	2.29	2.56	1.73	0.74	0.46	0.18	0.03	0.20	0.44	0.51	0.41	0.00	0.09	0.19	0.26	0.75	1.18	3.35	1.99	2.09	2.21	2.73	1.46	1.17	3.35	0.00
8	1.55	1.35	0.73	0.29	-0.05	-0.04	-0.04	-0.07	-0.07	-0.10	-0.14	-0.18	-0.10	0.04	0.00	0.18	0.50	0.82	1.58	1.22	1.54	1.39	1.08	0.87	0.51	1.58	-0.18
9	0.42	0.30	0.08	-0.03	0.07	0.00	-0.05	-0.04	-0.05	-0.03	-0.25	0.22	-0.18	-0.30	-0.09	-0.12	-0.08	-0.01	0.14	0.07	-0.01	-0.03	-0.05	0.02	-0.00	0.42	-0.30
10	0.21	0.25	0.16	0.36	0.43	0.29	0.63	1.29	0.72	0.51	0.85	0.40	0.24	0.20	0.18	0.22	0.16	0.37	0.22	0.61	0.53	0.41	0.43	0.91	0.44	1.29	0.16
11	0.46	0.32	0.40	0.50	0.41	0.48	0.31	0.24	0.49	0.24	0.26	0.14	0.09	0.13	0.13	0.46	0.61	0.92	1.70	1.72	2.55	1.58	0.99	1.26	0.68	2.55	0.09
12	1.84	1.06	0.74	1.21	0.95	0.62	0.77	0.57	0.21	0.25	0.38	0.63	0.58	0.43	0.26	0.27	0.24	0.27	0.35	0.34	0.41	0.48	0.74	1.16	0.62	1.84	0.21
13	1.34	1.16	0.57	0.94	1.47	1.42	1.49	0.92	0.81	0.15	0.31	0.17	0.33	0.35	0.38	0.21	0.21	0.23	0.18	0.22	0.19	0.38	0.46	0.65	0.61	1.49	0.15
14	1.40	1.48	1.56	0.66	0.58	0.71	0.68	0.70	1.02	0.72	1.03	0.74	0.30	0.18	0.34	0.31	0.36	0.34	0.18	0.24	0.37	0.35	0.35	0.31	0.62	1.56	0.18
15	0.30	0.26	0.38	0.47	0.75	1.20	1.28	1.06	1.01	1.32	1.54	1.63	0.80	0.51	0.84	1.19	0.95	0.66	0.10	-0.01	0.02	0.18	0.35	0.31	0.71	1.63	-0.01
16	0.46	0.64	0.98	1.05	0.85	0.68	0.69	0.15	-0.01	0.14	0.22	0.31	0.25	0.23	0.40	0.41	0.39	0.34	0.42	0.43	0.32	0.60	0.57	0.48	0.46	1.05	-0.01
17	0.36	1.02	1.53	1.07	0.91	0.92	0.65	0.62	0.60	0.47	0.37	0.34	0.35	0.38	0.50	0.66	0.65	0.98	1.10	0.81	0.25	0.24	0.27	0.38	0.64	1.53	0.24
18	0.41	0.46	0.29	0.09	0.18	0.24	0.33	0.79	0.80	0.23	0.28	0.19	0.13	0.29	0.41	0.43	0.68	0.69	1.22	0.80	0.74	0.46	0.50	0.46	0.46	1.22	0.09
19	0.46	0.78	0.19	0.09	0.18	0.43	0.56	0.42	0.45	0.44	0.35	0.26	0.22	0.28	0.29	0.18	0.19	0.19	0.38	0.32	0.30	0.31	1.21	0.81	0.39	1.21	0.09
20	1.04	0.58	0.47	0.80	0.89	1.09	1.38	1.56	0.97	1.06	1.02	0.41	0.24	0.14	0.13	0.15	0.08	0.09	0.04	0.09	0.24	0.23	0.21	0.23	0.55	1.56	0.04
21	0.33	0.41	0.54	0.78	0.43	0.50	0.16	0.34	0.61	0.21	0.22	0.22	0.12	0.06	0.03	-0.05	0.01	0.03	0.31	0.18	0.67	0.59	1.05	0.68	0.35	1.05	-0.05
22	1.15	1.32	1.76	0.78	0.43	0.16	0.34	1.05	1.99	1.59	2.27	0.02	0.43	0.26	0.46	0.72	0.29	0.28	0.04	0.13	0.19	0.13	0.20	0.34	0.68	2.27	0.02
23	0.20	0.15	0.19	0.41	0.18	0.26	0.17	0.36	0.08	-0.03	-0.02	-0.09	-0.10	-0.08	-0.09	-0.08	-0.08	-0.08	-0.06	-0.05	-0.06	-0.06	-0.07	-0.07	0.04	0.41	-0.10
24	-0.11	-0.11	-0.10	-0.08	-0.07	-0.06	-0.06	-0.06	-0.11	-0.17	-0.23	-0.34	-0.34	-0.34	-0.10	-0.17	-0.15	-0.10	-0.07	-0.08	-0.08	-0.09	-0.09	-0.08	-0.13	-0.06	-0.34
25	-0.06	-0.05	0.03	0.10	0.52	2.24	1.11	2.57	2.64	1.92	2.66	0.68	0.20	0.10	0.24	0.40	1.08	2.50	1.64	2.73	2.08	1.85	2.74	2.69	1.36	2.74	-0.06
26	2.61	1.99	2.72	2.11	2.74	2.08	2.73	2.30	2.85	2.59	1.21	1.15	1.22	1.81	2.25	1.11	1.66	2.66	2.22	2.69	2.98	2.67	2.69	2.79	2.24	2.98	1.11
27	1.10	1.09	0.91	0.52	1.27	1.86	1.46	1.47	1.75	0.39	0.08	1.10	0.93	0.31	0.22	0.12	-0.03	-0.05	0.00	-0.04	-0.02	-0.01	-0.02	-0.03	0.60	1.86	-0.05
28	-0.05	-0.03	0.12	-0.02	-0.03	-0.03	-0.02	-0.07	-0.10	-0.10	-0.13	-0.14	-0.17	-0.19	-0.24	-0.25	-0.21	-0.11	-0.01	0.00	-0.06	-0.03	-0.03	-0.06	-0.08	0.12	-0.25
Avg	0.90	0.87	0.84	0.73	0.75	0.80	0.80	0.81	0.79	0.66	0.69	0.50	0.31	0.28	0.32	0.37	0.46	0.67	0.79	0.79	0.80	0.76	0.84	0.82	0.68	1.67	0.07
Max	2.61	2.29	2.72	2.11	2.74	2.24	2.73	2.57	2.85	2.59	2.66	1.97	1.79	1.81	2.25	1.66	1.93	2.66	3.35	2.73	2.98	2.67	2.74	2.79	2.24	3.35	1.11
Min	-0.11	-0.11	-0.10	-0.08	-0.07	-0.06	-0.06	-0.07	-0.11	-0.17	-0.25	-0.34	-0.34	-0.34	-0.24	-0.25	-0.21	-0.11	-0.07	-0.08	-0.08	-0.09	-0.09	-0.08	-0.13	-0.06	-0.34

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
March 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-0.06	-0.07	-0.07	-0.07	-0.07	-0.10	-0.08	-0.10	-0.15	-0.13	-0.17	-0.21	-0.24	-0.29	-0.31	-0.27	0.05	0.35	0.22	-0.10	-0.19	-0.22	-0.23	-0.17	-0.11	0.35	-0.31
2	-0.13	-0.19	-0.13	-0.11	-0.13	-0.15	0.17	-0.13	-0.19	-0.21	-0.17	-0.22	0.80	0.23	0.58	0.42	0.46	0.10	0.10	0.26	0.11	0.17	0.29	0.20	0.09	0.80	-0.22
3	0.13	0.07	0.06	0.34	0.96	0.52	0.45	0.70	0.56	0.34	0.44	0.19	0.28	-0.12	0.28	0.44	0.26	0.30	0.36	0.34	0.45	0.11	0.19	0.29	0.33	0.96	-0.12
4	0.42	0.56	0.74	0.50	0.53	0.47	0.64	0.54	0.56	0.30	0.29	0.20	0.19	0.24	0.22	0.18	0.34	0.96	0.87	0.56	0.82	0.57	0.70	0.77	0.51	0.96	0.18
5	1.15	1.36	0.75	0.83	0.64	0.91	0.47	0.96	0.81	0.53	0.46	0.45	0.56	0.45	0.60	0.61	0.66	0.74	0.72	0.65	0.30	0.44	0.71	0.52	0.68	1.36	0.30
6	0.28	0.83	0.77	0.65	0.86	1.08	1.28	0.38	0.14	0.49	0.30	0.32	0.26	0.34	0.39	0.40	0.39	0.46	0.54	0.77	0.44	0.50	0.68	0.40	0.54	1.28	0.14
7	0.47	0.46	0.47	0.28	0.15	0.05	0.03	0.04	0.09	0.09	0.14	0.11	0.16	0.21	0.27	0.24	0.26	0.21	0.22	0.33	0.61	1.10	1.25	1.44	0.36	1.44	0.03
8	1.26	2.45	2.58	1.85	0.87	1.45	1.50	1.56	1.41	0.92	1.08	1.28	0.42	1.22	1.02	1.00	0.49	0.37	0.90	1.37	1.33	0.89	1.46	0.87	1.23	2.58	0.37
9	0.81	0.83	0.75	0.59	0.84	0.79	0.53	0.82	0.54	0.59	0.79	0.87	0.83	0.77	0.89	0.82	1.08	0.87	0.94	0.70	1.05	1.20	0.77	0.64	0.80	1.20	0.53
10	0.73	0.89	0.43	0.11	0.03	0.00	0.02	0.01	0.00	-0.03	-0.08	-0.05	-0.03	-0.11	0.01	-0.05	-0.06	-0.02	0.00	-0.01	0.01	0.07	0.02	0.01	0.08	0.89	-0.11
11	0.03	0.12	0.23	0.49	0.74	1.25	1.79	1.89	1.88	1.07	1.20	0.54	0.09	0.05	0.10	0.17	0.29	0.63	0.71	1.65	1.79	2.13	2.36	3.68	1.04	3.68	0.03
12	1.08	1.07	1.40	1.86	1.94	1.39	1.40	1.58	1.16	2.13	1.56	Au	Au	Au	0.25	0.20	0.61	1.17	0.91	0.76	1.70	2.61	2.14	2.59	1.41	2.61	0.20
13	2.19	1.36	2.00	2.36	2.23	1.91	2.26	1.53	0.54	1.39	0.37	0.32	0.31	0.28	0.30	0.38	0.55	0.71	1.10	1.38	1.11	0.68	1.57	1.44	1.18	2.36	0.28
14	1.60	1.64	1.31	1.37	2.00	1.72	1.49	1.69	1.32	1.06	2.79	0.44	0.24	0.22	0.33	0.24	0.30	0.19	0.27	0.28	0.23	0.13	0.20	0.21	0.89	2.79	0.13
15	0.08	-0.02	-0.01	0.00	0.00	0.01	0.01	0.02	0.08	0.13	0.05	0.07	0.09	0.27	0.35	0.32	0.30	0.47	0.94	0.53	0.56	0.82	1.07	2.56	0.36	2.56	-0.02
16	0.87	0.98	0.66	1.02	1.07	1.11	1.43	1.04	1.80	0.57	0.76	0.51	0.58	0.80	0.86	0.94	0.93	1.20	1.37	2.09	1.84	2.49	1.97	1.06	1.16	2.49	0.51
17	0.76	1.10	1.01	1.26	1.19	1.11	0.91	0.45	0.51	0.08	0.05	-0.02	-0.03	-0.07	-0.08	-0.07	-0.06	-0.03	-0.01	0.18	0.04	0.03	0.12	0.58	0.38	1.26	-0.08
18	1.75	1.47	0.51	0.53	1.08	0.75	0.40	0.24	-0.07	-0.02	0.00	0.08	0.03	0.21	0.24	0.28	0.17	0.21	0.31	1.39	0.94	1.94	2.48	1.75	0.69	2.48	-0.07
19	1.11	1.28	1.49	1.54	1.82	1.45	1.29	1.40	1.15	1.75	1.03	0.36	0.27	0.52	0.48	0.49	0.63	0.64	0.78	0.97	2.41	1.85	1.87	1.09	1.15	2.41	0.27
20	1.25	0.97	0.79	0.09	0.16	0.17	0.23	0.40	0.36	0.49	0.27	0.24	0.19	0.12	0.16	0.18	0.24	0.27	0.27	0.17	0.21	0.08	0.10	0.06	0.31	1.25	0.06
21	0.00	0.00	0.02	0.15	0.75	1.03	1.10	0.60	0.94	0.76	-0.18	-0.30	-0.27	-0.28	-0.21	-0.05	0.08	0.18	0.21	0.20	-0.02	-0.04	-0.05	0.13	0.20	1.10	-0.30
22	0.17	0.24	0.44	0.41	0.53	1.04	1.47	1.49	1.93	1.56	0.13	-0.18	-0.47	-0.54	-0.16	-0.13	-0.01	0.88	1.04	0.84	0.21	0.41	0.17	0.22	0.49	1.93	-0.54
23	0.28	0.26	0.25	0.16	0.09	-0.06	-0.07	-0.09	-0.10	0.26	-0.01	-0.02	0.03	0.03	0.12	0.05	0.16	1.07	0.96	2.11	2.10	2.35	1.19	0.48	0.48	2.35	-0.10
24	0.13	0.19	0.05	0.09	0.00	-0.05	-0.07	-0.04	-0.10	-0.15	-0.22	-0.18	-0.45	-0.31	-0.14	-0.12	0.38	0.32	0.70	0.72	0.83	0.53	0.52	0.31	0.12	0.83	-0.45
25	0.29	0.20	0.72	0.97	1.34	0.88	1.10	0.96	0.87	0.18	1.40	0.97	0.88	0.96	1.27	0.54	2.09	1.56	2.00	1.03	0.88	0.81	0.82	0.80	0.98	2.09	0.18
26	0.93	1.28	0.82	0.64	0.81	0.75	0.88	0.77	0.85	0.27	0.29	0.40	0.45	0.45	0.43	0.54	0.44	0.23	0.19	0.23	0.21	0.06	0.04	-0.07	0.50	1.28	-0.07
27	-0.08	-0.08	-0.08	-0.07	0.07	0.09	0.02	0.08	0.01	-0.06	-0.05	-0.06	-0.09	0.00	-0.05	-0.01	0.02	0.04	0.09	0.14	0.47	0.12	-0.07	-0.07	0.02	0.47	-0.09
28	0.09	-0.05	-0.05	-0.03	0.02	0.25	1.06	0.93	0.76	0.37	0.27	0.25	0.24	0.28	0.40	0.52	0.51	0.63	0.63	0.63	0.71	0.75	0.54	0.54	0.43	1.06	-0.05
29	0.62	0.71	0.39	0.37	0.61	0.69	0.67	0.55	0.37	0.23	0.00	0.00	0.01	0.08	0.01	0.05	0.18	0.25	0.25	0.31	0.54	0.30	0.34	0.15	0.32	0.71	0.00
30	0.08	0.11	0.01	0.15	0.08	0.13	0.30	0.61	0.40	0.87	0.40	0.06	0.10	0.12	0.06	0.01	0.01	0.03	0.01	0.01	0.01	0.07	0.06	0.11	0.16	0.87	0.01
31	0.13	0.11	0.14	0.16	0.09	0.11	0.06	0.00	-0.15	-0.06	-0.17	-0.44	-0.23	-0.10	-0.04	-0.04	0.33	1.17	0.55	0.40	1.16	0.56	0.41	0.66	0.20	1.17	-0.44
Avg	0.59	0.65	0.60	0.60	0.69	0.67	0.73	0.67	0.59	0.51	0.42	0.20	0.17	0.20	0.28	0.27	0.39	0.52	0.59	0.67	0.74	0.76	0.76	0.75	0.54	1.60	0.01
Max	2.19	2.45	2.58	2.36	2.23	1.91	2.26	1.89	1.93	2.13	2.79	1.28	0.88	1.22	1.27	1.00	2.09	1.56	2.00	2.11	2.41	2.61	2.48	3.68	1.41	3.68	0.53
Min	-0.13	-0.19	-0.13	-0.11	-0.13	-0.15	-0.08	-0.13	-0.19	-0.21	-0.22	-0.44	-0.47	-0.54	-0.31	-0.27	-0.06	-0.03	-0.01	-0.10	-0.19	-0.22	-0.23	-0.17	-0.11	0.35	-0.54

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
January 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	78.7	159.4	186.0	246.1	168.7	227.7	104.5	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.5	246.1	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.7	42.7	129.2	295.0	327.8	332.1	235.9	118.7	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.9	332.1	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.7	100.5	279.8	371.3	274.8	92.4	80.2	60.1	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.2	371.3	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	61.6	119.5	149.1	259.7	296.6	135.7	87.6	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.4	296.6	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	33.3	172.7	286.4	363.2	389.5	362.9	286.6	171.9	32.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.5	389.5	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.4	153.5	272.7	353.5	380.1	379.9	288.5	114.1	19.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.8	380.1	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	75.4	151.2	202.9	335.8	303.4	225.6	105.2	18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.9	335.8	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	19.8	28.5	38.8	46.9	88.6	105.3	67.0	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.3	105.3	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	52.3	96.1	174.0	174.4	348.4	433.8	215.1	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.3	433.8	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	86.2	184.5	199.2	144.7	127.7	85.0	66.1	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.4	199.2	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.3	68.6	83.6	259.9	171.0	51.4	102.2	35.2	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.4	259.9	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.4	65.6	135.5	168.8	272.6	173.5	156.8	62.2	40.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.6	272.6	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	50.0	143.3	186.7	247.2	256.6	168.9	164.2	121.9	64.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.5	256.6	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	89.6	145.1	395.9	426.9	384.4	273.7	231.4	39.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	83.5	426.9	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.4	163.0	333.9	137.2	162.4	178.8	269.9	138.2	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.8	333.9	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.3	219.4	263.1	366.9	364.3	371.3	306.0	182.8	62.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0	91.2	371.3	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.5	102.6	216.0	312.0	398.1	388.7	315.8	200.6	77.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	85.0	398.1	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	30.2	79.7	158.4	296.3	418.6	401.9	329.6	212.6	61.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	82.9	418.6	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.7	45.3	60.7	76.2	117.4	107.4	76.4	35.3	7.8	4.0	0.0	0.0	0.0	0.0	0.0	0.0	22.8	117.4	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	48.3	188.1	312.3	401.4	435.7	413.5	339.9	224.2	77.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0	101.8	435.7	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	24.6	108.1	239.5	386.1	425.9	412.1	259.9	55.0	27.1	1.9	0.0	0.0	0.0	0.0	0.0	0.0	80.9	425.9	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	22.6	40.7	60.4	72.0	70.6	64.1	32.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.6	72.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	40.3	82.4	235.5	267.1	402.5	323.6	236.8	54.4	2.9	0.0	0.0	0.0	0.0	0.0	0.0	69.1	402.5	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.5	79.6	289.5	356.7	433.7	415.7	332.1	219.4	80.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	93.1	433.7	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	37.3	175.5	323.2	416.1	448.6	427.7	354.6	238.7	95.9	2.5	0.0	0.0	0.0	0.0	0.0	0.0	105.0	448.6	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.5	136.6	236.4	238.6	124.4	141.6	184.4	134.9	25.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0	52.3	238.6	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	70.5	228.2	346.3	434.3	471.8	460.2	379.3	256.1	109.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	115.0	471.8	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	62.8	227.2	350.7	439.9	476.1	447.6	382.3	205.6	57.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	110.6	476.1	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	19.1	47.1	80.2	95.9	102.9	82.8	57.2	24.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0	21.6	102.9	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	47.7	162.7	200.2	286.7	242.4	208.0	173.1	111.1	51.7	3.8	0.0	0.0	0.0	0.0	0.0	0.0	62.0	286.7	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	13.3	41.2	61.7	79.3	74.8	72.0	69.0	37.5	15.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	19.4	79.3	0.0
Avg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	26.4	104.8	187.8	258.3	281.8	267.8	227.2	133.5	38.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	63.6	316.7	0.0
Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	70.5	228.2	350.7	439.9	476.1	460.2	433.8	256.1	109.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0	115.0	476.1	0.0
Min	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	19.1	28.5	38.8	46.9	51.4	64.1	32.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.6	72.0	0.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
February 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	29.0	74.9	114.9	152.2	184.5	195.5	197.8	195.7	158.1	15.2	0.0	0.0	0.0	0.0	0.0	0.0	55.0	197.8	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	17.6	56.3	100.0	133.8	145.2	160.4	129.7	92.0	30.8	3.0	0.0	0.0	0.0	0.0	0.0	0.0	36.2	160.4	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	49.7	113.4	202.9	220.6	240.3	247.8	212.3	125.4	60.0	10.1	0.0	0.0	0.0	0.0	0.0	0.0	61.8	247.8	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	52.0	193.9	280.3	366.9	316.7	364.9	222.3	259.1	114.9	14.3	0.0	0.0	0.0	0.0	0.0	0.0	91.2	366.9	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	49.9	146.5	247.1	321.6	373.5	374.8	318.6	219.5	102.3	13.1	0.0	0.0	0.0	0.0	0.0	0.0	90.4	374.8	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	82.4	213.7	333.8	422.3	469.8	477.6	426.3	309.6	152.1	16.2	0.0	0.0	0.0	0.0	0.0	0.0	121.1	477.6	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	31.7	93.4	151.3	131.7	180.4	114.8	119.0	230.9	158.0	33.6	0.0	0.0	0.0	0.0	0.0	0.0	51.9	230.9	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	50.1	141.5	284.8	373.8	446.7	414.0	396.3	311.6	137.0	12.6	0.0	0.0	0.0	0.0	0.0	0.0	107.1	446.7	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	54.2	158.3	375.5	509.5	497.7	467.6	288.0	165.4	61.5	11.0	0.0	0.0	0.0	0.0	0.0	0.0	108.0	509.5	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	60.5	148.5	167.7	448.4	565.0	473.1	219.5	164.6	57.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	96.4	565.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	37.1	145.3	203.7	177.2	232.9	179.7	472.6	297.3	180.9	25.4	0.0	0.0	0.0	0.0	0.0	0.0	81.4	472.6	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	27.1	115.2	233.3	322.1	281.2	199.4	291.2	326.5	170.0	36.4	0.0	0.0	0.0	0.0	0.0	0.0	83.5	326.5	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	48.0	252.2	442.5	486.0	616.1	558.0	471.0	214.5	117.0	14.1	0.0	0.0	0.0	0.0	0.0	0.0	134.4	616.1	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	50.2	106.2	125.6	124.2	145.9	265.7	96.5	118.5	61.2	14.6	0.0	0.0	0.0	0.0	0.0	0.0	46.4	265.7	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	134.0	306.9	380.5	531.1	578.8	552.8	385.1	183.3	59.3	9.7	0.0	0.0	0.0	0.0	0.0	0.0	130.4	578.8	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	40.8	89.7	209.3	322.7	266.6	416.6	325.1	183.7	82.1	31.4	0.0	0.0	0.0	0.0	0.0	0.0	82.1	416.6	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	105.0	328.0	463.5	551.1	591.0	620.2	484.5	349.1	195.0	25.2	0.0	0.0	0.0	0.0	0.0	0.0	155.2	620.2	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.9	85.5	217.5	351.1	404.7	231.9	232.3	212.0	125.7	84.6	55.2	0.0	0.0	0.0	0.0	0.0	0.0	83.8	404.7	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	73.7	251.2	512.8	587.2	411.5	335.7	291.0	393.5	299.5	73.5	0.0	0.0	0.0	0.0	0.0	0.0	134.8	587.2	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.5	177.2	247.9	202.1	163.0	169.2	167.6	120.6	86.0	48.8	32.5	0.0	0.0	0.0	0.0	0.0	0.0	59.6	247.9	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7	60.5	154.0	347.8	421.5	346.0	416.6	223.7	136.5	81.1	16.8	0.0	0.0	0.0	0.0	0.0	0.0	92.3	421.5	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9	180.2	327.6	489.6	575.8	592.2	511.4	359.0	211.1	90.4	30.1	0.0	0.0	0.0	0.0	0.0	0.0	141.1	592.2	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	64.0	163.0	321.8	374.5	466.4	331.0	210.9	148.5	80.1	17.3	0.0	0.0	0.0	0.0	0.0	0.0	91.1	466.4	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	75.0	154.7	290.9	351.3	368.7	424.5	381.6	289.3	145.7	33.6	0.0	0.0	0.0	0.0	0.0	0.0	105.5	424.5	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	215.2	384.9	525.8	617.5	656.8	630.9	549.4	424.4	260.6	78.7	0.9	0.0	0.0	0.0	0.0	0.0	181.6	656.8	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.1	14.7	209.0	377.3	517.0	623.6	665.4	642.1	559.7	433.0	265.1	69.2	0.5	0.0	0.0	0.0	0.0	0.0	182.4	665.4	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.2	224.8	339.9	463.5	568.8	411.3	512.5	490.2	189.5	58.4	15.2	0.0	0.0	0.0	0.0	0.0	0.0	137.5	568.8	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6	86.7	187.4	244.7	312.6	297.5	369.2	298.4	225.7	94.0	22.0	0.2	0.0	0.0	0.0	0.0	0.0	89.9	369.2	0.0
Avg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	84.7	196.0	306.6	378.4	383.9	380.6	312.6	228.9	121.7	26.2	0.1	0.0	0.0	0.0	0.0	0.0	101.1	438.5	0.0
Max	0.0	0.0	0.0	0.0	0.0	0.0	0.1	25.2	224.8	384.9	525.8	623.6	665.4	642.1	559.7	433.0	299.5	78.7	0.9	0.0	0.0	0.0	0.0	0.0	182.4	665.4	0.0
Min	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	17.6	56.3	100.0	124.2	145.2	114.8	96.5	86.0	30.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0	36.2	160.4	0.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
March 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9	63.3	159.1	273.6	354.2	362.3	425.4	379.0	235.1	114.4	86.6	1.4	0.0	0.0	0.0	0.0	0.0	102.8	425.4	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.3	83.3	168.1	280.7	419.7	465.4	365.7	367.0	259.7	122.5	42.7	0.8	0.0	0.0	0.0	0.0	0.0	108.0	465.4	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.4	80.4	186.3	453.3	586.4	556.9	407.5	564.4	174.5	56.8	26.9	0.8	0.0	0.0	0.0	0.0	0.0	130.2	586.4	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.1	132.7	429.4	556.6	664.3	730.0	480.6	343.3	168.0	159.0	46.8	1.4	0.0	0.0	0.0	0.0	0.0	156.1	730.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.5	135.2	339.1	395.3	424.6	341.1	293.1	203.9	151.7	114.0	24.0	0.4	0.0	0.0	0.0	0.0	0.0	102.4	424.6	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.2	64.4	105.9	419.8	457.7	331.8	202.3	309.2	286.8	82.6	57.3	3.7	0.0	0.0	0.0	0.0	0.0	97.4	457.7	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	1.6	51.9	179.7	182.8	548.3	642.5	371.8	308.2	224.0	190.3	108.7	37.1	3.4	0.0	0.0	0.0	0.0	0.0	118.8	642.5	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	1.4	94.8	274.3	425.0	360.7	391.9	526.4	345.4	268.6	142.9	73.5	33.8	3.7	0.0	0.0	0.0	0.0	0.0	122.6	526.4	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.4	34.5	116.5	215.1	333.4	543.2	502.7	587.0	425.2	209.4	233.9	79.9	3.6	0.0	0.0	0.0	0.0	0.0	136.9	587.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	24.6	41.2	77.1	165.4	214.3	222.5	203.9	139.5	64.5	25.1	1.0	0.0	0.0	0.0	0.0	0.0	49.5	222.5	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	1.7	100.2	179.5	263.4	621.2	707.0	738.3	720.4	630.9	502.0	332.2	125.4	4.8	0.0	0.0	0.0	0.0	0.0	205.3	738.3	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	3.6	53.4	220.2	492.0	514.2	Au	Au	Au	616.2	483.5	315.3	132.8	8.1	0.0	0.0	0.0	0.0	0.0	135.2	616.2	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	4.0	97.1	215.6	480.4	455.7	417.9	444.9	405.7	543.5	502.9	323.8	136.1	5.4	0.0	0.0	0.0	0.0	0.0	168.0	543.5	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	6.7	42.0	244.3	202.6	228.4	281.5	335.1	254.5	132.7	82.6	52.4	26.4	2.9	0.0	0.0	0.0	0.0	0.0	78.8	335.1	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	3.5	80.5	201.3	423.4	688.4	685.7	557.1	573.6	441.4	262.9	200.8	72.1	3.9	0.0	0.0	0.0	0.0	0.0	174.8	688.4	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	2.4	47.9	148.9	424.2	533.0	352.7	487.4	597.4	374.5	169.7	88.7	38.4	2.4	0.0	0.0	0.0	0.0	0.0	136.2	597.4	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	2.0	30.9	64.1	183.7	298.7	425.2	419.7	432.3	385.8	210.6	134.3	66.2	7.5	0.0	0.0	0.0	0.0	0.0	110.9	432.3	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	5.1	42.2	89.2	198.0	524.3	551.6	378.7	394.3	441.5	324.5	156.0	58.9	7.2	0.0	0.0	0.0	0.0	0.0	132.1	551.6	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	15.4	140.7	304.4	460.6	436.2	467.0	591.4	361.6	407.6	246.5	204.4	65.4	13.0	0.0	0.0	0.0	0.0	0.0	154.8	591.4	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	9.0	91.2	248.1	550.7	594.1	525.5	525.3	612.7	424.3	317.9	171.6	64.0	6.7	0.0	0.0	0.0	0.0	0.0	172.5	612.7	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	10.7	86.6	294.9	528.9	684.3	750.0	683.3	721.7	674.1	539.1	362.2	158.3	14.3	0.0	0.0	0.0	0.0	0.0	229.5	750.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	10.0	71.8	206.4	333.6	476.2	789.2	803.0	763.9	674.7	541.3	291.0	106.0	11.6	0.0	0.0	0.0	0.0	0.0	211.6	803.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	5.7	30.2	64.8	88.7	129.3	219.4	350.8	717.2	589.6	564.2	406.3	192.8	18.4	0.0	0.0	0.0	0.0	0.0	140.7	717.2	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	11.1	83.2	158.3	294.2	489.2	603.2	821.0	623.6	532.0	410.0	179.4	98.6	20.2	0.0	0.0	0.0	0.0	0.0	180.2	821.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	14.0	91.1	195.9	374.1	647.9	591.8	710.2	574.3	393.0	376.7	223.5	121.5	12.1	0.0	0.0	0.0	0.0	0.0	180.3	710.2	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	13.0	109.7	291.2	428.7	539.7	758.5	737.0	412.5	657.4	419.8	131.6	49.3	10.4	0.0	0.0	0.0	0.0	0.0	190.0	758.5	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	10.5	106.5	186.0	471.4	446.1	555.1	499.9	457.4	236.0	217.0	157.1	107.2	25.4	0.0	0.0	0.0	0.0	0.0	144.8	555.1	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	31.9	111.8	165.0	244.6	628.6	507.7	620.2	614.1	410.9	282.1	161.8	62.0	22.2	0.0	0.0	0.0	0.0	0.0	161.0	628.6	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	8.1	33.9	79.0	109.4	201.4	189.3	189.5	242.3	312.3	252.1	144.9	70.0	13.5	0.0	0.0	0.0	0.0	0.0	76.9	312.3	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	22.5	98.6	251.2	297.4	374.6	317.1	315.7	315.0	276.2	248.0	215.9	101.0	13.7	0.0	0.0	0.0	0.0	0.0	118.6	374.6	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	17.6	132.1	214.6	303.6	489.8	536.9	552.3	487.1	345.1	455.3	326.4	76.8	20.7	0.0	0.0	0.0	0.0	0.0	164.9	552.3	0.0
Avg	0.0	0.0	0.0	0.0	0.0	0.0	6.8	65.0	167.0	303.4	441.9	496.1	505.4	464.0	412.5	302.1	184.2	77.1	8.5	0.0	0.0	0.0	0.0	0.0	141.7	572.8	0.0
Max	0.0	0.0	0.0	0.0	0.0	0.0	31.9	140.7	304.4	550.7	688.4	789.2	821.0	763.9	674.7	564.2	406.3	192.8	25.4	0.0	0.0	0.0	0.0	0.0	229.5	821.0	0.0
Min	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	24.6	41.2	77.1	165.4	189.5	202.3	132.7	82.6	52.4	24.0	0.4	0.0	0.0	0.0	0.0	0.0	49.5	222.5	0.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
January 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	24.38	24.39	24.41	24.44	24.46	24.47	24.50	24.52	24.54	24.56	24.57	24.56	24.55	24.53	24.52	24.52	24.52	24.53	24.54	24.54	24.54	24.54	24.54	24.54	24.51	24.57	24.38
2	24.53	24.52	24.52	24.51	24.51	24.50	24.50	24.48	24.47	24.47	24.46	24.44	24.42	24.39	24.37	24.35	24.33	24.31	24.29	24.28	24.27	24.24	24.20	24.17	24.40	24.53	24.17
3	24.13	24.08	24.06	24.03	23.99	23.95	23.95	23.91	23.93	23.97	23.99	24.00	24.01	24.02	24.06	24.12	24.17	24.20	24.23	24.24	24.26	24.27	24.28	24.28	24.09	24.28	23.91
4	24.28	24.29	24.29	24.30	24.30	24.29	24.30	24.29	24.31	24.34	24.36	24.38	24.37	24.37	24.39	24.40	24.41	24.41	24.42	24.42	24.43	24.45	24.47	24.50	24.37	24.50	24.28
5	24.52	24.54	24.57	24.59	24.60	24.60	24.62	24.64	24.67	24.71	24.71	24.71	24.70	24.69	24.68	24.68	24.67	24.64	24.62	24.60	24.59	24.58	24.57	24.57	24.63	24.71	24.52
6	24.55	24.55	24.56	24.56	24.57	24.57	24.57	24.56	24.56	24.57	24.55	24.52	24.49	24.47	24.45	24.43	24.43	24.42	24.41	24.40	24.39	24.39	24.38	24.37	24.49	24.57	24.37
7	24.36	24.35	24.35	24.35	24.33	24.32	24.32	24.32	24.33	24.33	24.34	24.33	24.31	24.30	24.30	24.31	24.31	24.32	24.31	24.31	24.31	24.31	24.31	24.30	24.32	24.36	24.30
8	24.29	24.29	24.29	24.29	24.29	24.27	24.26	24.26	24.27	24.28	24.28	24.28	24.25	24.23	24.22	24.23	24.22	24.21	24.20	24.19	24.18	24.16	24.15	24.13	24.24	24.29	24.13
9	24.11	24.10	24.09	24.07	24.06	24.04	24.04	24.03	24.04	24.04	24.05	24.05	24.03	24.02	24.03	24.06	24.07	24.09	24.09	24.10	24.10	24.08	24.06	24.05	24.06	24.11	24.02
10	24.03	24.02	24.02	24.01	24.00	24.00	24.00	23.99	24.00	24.02	24.03	24.03	24.03	24.03	24.05	24.07	24.09	24.11	24.13	24.16	24.17	24.19	24.20	24.20	24.07	24.20	23.99
11	24.19	24.18	24.16	24.15	24.14	24.12	24.10	24.06	24.02	23.99	23.96	23.90	23.85	23.86	23.83	23.81	23.83	23.90	23.89	23.90	23.89	23.88	23.87	23.88	23.97	24.19	23.81
12	23.85	23.84	23.85	23.84	23.84	23.86	23.88	23.90	23.94	23.98	24.02	24.05	24.06	24.08	24.11	24.14	24.16	24.19	24.19	24.19	24.19	24.17	24.17	24.18	24.03	24.19	23.84
13	24.18	24.17	24.18	24.19	24.19	24.18	24.17	24.18	24.18	24.21	24.22	24.24	24.23	24.23	24.24	24.26	24.28	24.30	24.34	24.40	24.45	24.48	24.51	24.54	24.27	24.54	24.17
14	24.56	24.56	24.59	24.60	24.62	24.63	24.63	24.64	24.65	24.67	24.69	24.69	24.69	24.67	24.65	24.66	24.65	24.64	24.62	24.61	24.60	24.59	24.58	24.56	24.63	24.69	24.56
15	24.53	24.52	24.53	24.53	24.53	24.53	24.52	24.50	24.47	24.49	24.52	24.52	24.51	24.50	24.50	24.51	24.52	24.52	24.52	24.54	24.56	24.57	24.58	24.61	24.53	24.61	24.47
16	24.62	24.63	24.65	24.64	24.64	24.64	24.65	24.66	24.67	24.67	24.68	24.67	24.66	24.65	24.64	24.63	24.63	24.62	24.62	24.62	24.62	24.62	24.60	24.60	24.64	24.68	24.60
17	24.58	24.57	24.57	24.56	24.54	24.53	24.51	24.50	24.49	24.50	24.50	24.50	24.49	24.49	24.49	24.49	24.50	24.50	24.51	24.53	24.55	24.56	24.58	24.59	24.53	24.59	24.49
18	24.60	24.60	24.61	24.61	24.60	24.59	24.59	24.58	24.58	24.58	24.56	24.55	24.53	24.51	24.50	24.49	24.48	24.47	24.45	24.45	24.45	24.44	24.44	24.43	24.53	24.61	24.43
19	24.42	24.41	24.42	24.42	24.41	24.40	24.39	24.38	24.37	24.37	24.37	24.37	24.35	24.34	24.33	24.34	24.36	24.36	24.37	24.38	24.40	24.44	24.47	24.51	24.39	24.51	24.33
20	24.55	24.57	24.60	24.63	24.64	24.66	24.68	24.69	24.69	24.70	24.70	24.70	24.69	24.67	24.66	24.66	24.64	24.64	24.64	24.63	24.63	24.63	24.62	24.62	24.65	24.70	24.55
21	24.61	24.61	24.61	24.61	24.61	24.60	24.59	24.59	24.61	24.61	24.60	24.60	24.58	24.57	24.55	24.54	24.54	24.54	24.54	24.54	24.55	24.54	24.54	24.54	24.58	24.61	24.54
22	24.52	24.51	24.50	24.49	24.48	24.48	24.47	24.47	24.46	24.47	24.47	24.47	24.47	24.47	24.48	24.50	24.52	24.54	24.56	24.59	24.61	24.63	24.66	24.67	24.52	24.67	24.46
23	24.67	24.68	24.69	24.70	24.71	24.71	24.72	24.72	24.71	24.71	24.70	24.69	24.67	24.66	24.64	24.63	24.62	24.63	24.64	24.65	24.65	24.66	24.67	24.67	24.67	24.72	24.62
24	24.66	24.66	24.67	24.68	24.68	24.68	24.67	24.67	24.66	24.67	24.67	24.67	24.67	24.65	24.64	24.63	24.62	24.61	24.62	24.63	24.64	24.64	24.65	24.65	24.65	24.68	24.61
25	24.64	24.63	24.63	24.62	24.60	24.59	24.57	24.56	24.55	24.52	24.51	24.49	24.47	24.45	24.44	24.44	24.45	24.45	24.45	24.45	24.46	24.44	24.42	24.40	24.51	24.64	24.40
26	24.38	24.36	24.34	24.33	24.32	24.33	24.34	24.36	24.39	24.41	24.45	24.50	24.51	24.52	24.53	24.53	24.54	24.53	24.53	24.53	24.52	24.51	24.50	24.50	24.45	24.54	24.32
27	24.49	24.48	24.48	24.48	24.47	24.46	24.45	24.45	24.47	24.49	24.49	24.48	24.47	24.45	24.47	24.49	24.50	24.51	24.52	24.53	24.53	24.54	24.52	24.52	24.49	24.54	24.45
28	24.52	24.50	24.49	24.47	24.46	24.45	24.45	24.45	24.45	24.46	24.44	24.41	24.39	24.37	24.35	24.32	24.31	24.31	24.31	24.31	24.31	24.31	24.30	24.27	24.39	24.52	24.27
29	24.26	24.24	24.22	24.21	24.20	24.18	24.14	24.11	24.09	24.06	24.02	23.98	23.94	23.90	23.89	23.88	23.88	23.89	23.90	23.89	23.89	23.89	23.91	23.94	24.02	24.26	23.88
30	23.97	24.00	24.03	24.05	24.07	24.09	24.10	24.13	24.14	24.16	24.17	24.18	24.17	24.16	24.15	24.15	24.16	24.15	24.15	24.15	24.14	24.14	24.14	24.12	24.12	24.18	23.97
31	24.12	24.10	24.09	24.08	24.08	24.08	24.08	24.08	24.09	24.09	24.09	24.09	24.07	24.07	24.07	24.09	24.11	24.14	24.16	24.18	24.20	24.21	24.22	24.23	24.12	24.23	24.07
Avg	24.39	24.39	24.39	24.39	24.39	24.38	24.38	24.38	24.38	24.39	24.39	24.39	24.38	24.37	24.36	24.37	24.37	24.38	24.38	24.39	24.39	24.39	24.39	24.39	24.38	24.48	24.29
Max	24.67	24.68	24.69	24.70	24.71	24.71	24.72	24.72	24.71	24.71	24.71	24.71	24.70	24.69	24.68	24.68	24.67	24.64	24.64	24.65	24.65	24.66	24.67	24.67	24.67	24.72	24.62
Min	23.85	23.84	23.85	23.84	23.84	23.86	23.88	23.90	23.93	23.97	23.96	23.90	23.85	23.86	23.83	23.81	23.83	23.89	23.89	23.89	23.89	23.88	23.87	23.88	23.97	24.11	23.81

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
February 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	24.24	24.25	24.27	24.26	24.26	24.27	24.27	24.28	24.29	24.33	24.34	24.34	24.32	24.29	24.27	24.27	24.28	24.28	24.27	24.26	24.26	24.25	24.25	24.24	24.28	24.34	24.24
2	24.24	24.24	24.25	24.26	24.26	24.26	24.26	24.28	24.28	24.28	24.28	24.27	24.25	24.23	24.21	24.21	24.21	24.20	24.21	24.20	24.19	24.18	24.18	24.18	24.23	24.28	24.18
3	24.18	24.17	24.18	24.19	24.19	24.20	24.20	24.21	24.23	24.24	24.24	24.24	24.24	24.24	24.25	24.27	24.28	24.30	24.32	24.33	24.34	24.35	24.36	24.37	24.25	24.37	24.17
4	24.38	24.38	24.39	24.40	24.40	24.41	24.41	24.42	24.45	24.48	24.50	24.50	24.48	24.48	24.48	24.49	24.49	24.50	24.51	24.52	24.53	24.54	24.54	24.54	24.47	24.54	24.38
5	24.54	24.54	24.55	24.55	24.55	24.55	24.54	24.55	24.57	24.60	24.61	24.62	24.61	24.58	24.56	24.56	24.55	24.54	24.52	24.51	24.50	24.49	24.46	24.46	24.55	24.62	24.46
6	24.44	24.42	24.40	24.38	24.37	24.36	24.34	24.33	24.32	24.33	24.33	24.32	24.30	24.28	24.25	24.23	24.22	24.19	24.16	24.14	24.12	24.11	24.09	24.07	24.27	24.44	24.07
7	24.05	24.04	24.02	24.01	24.01	24.01	24.00	24.00	24.00	24.01	24.01	24.01	24.01	24.01	24.03	24.04	24.05	24.07	24.10	24.10	24.11	24.11	24.10	24.09	24.04	24.11	24.00
8	24.09	24.09	24.09	24.08	24.09	24.11	24.13	24.16	24.20	24.23	24.26	24.28	24.30	24.31	24.32	24.34	24.35	24.35	24.35	24.35	24.33	24.33	24.32	24.32	24.24	24.35	24.08
9	24.29	24.28	24.27	24.24	24.24	24.25	24.25	24.27	24.29	24.29	24.29	24.30	24.29	24.27	24.26	24.27	24.28	24.29	24.29	24.29	24.28	24.29	24.29	24.28	24.28	24.30	24.24
10	24.28	24.28	24.29	24.29	24.29	24.30	24.30	24.32	24.33	24.33	24.34	24.35	24.35	24.35	24.34	24.34	24.33	24.32	24.31	24.29	24.29	24.28	24.26	24.25	24.31	24.35	24.25
11	24.25	24.24	24.22	24.20	24.19	24.19	24.17	24.16	24.15	24.15	24.14	24.14	24.17	24.20	24.22	24.25	24.27	24.30	24.32	24.33	24.34	24.35	24.35	24.33	24.23	24.35	24.14
12	24.33	24.31	24.28	24.24	24.19	24.14	24.09	24.05	24.03	24.00	23.96	23.95	23.94	23.95	23.95	23.97	24.00	24.03	24.07	24.08	24.11	24.13	24.14	24.13	24.09	24.33	23.94
13	24.13	24.12	24.11	24.09	24.07	24.07	24.06	24.03	24.04	24.05	24.05	24.05	24.04	24.06	24.09	24.13	24.14	24.16	24.18	24.19	24.22	24.22	24.24	24.26	24.12	24.26	24.03
14	24.29	24.30	24.32	24.31	24.30	24.30	24.28	24.27	24.26	24.24	24.20	24.17	24.14	24.11	24.10	24.09	24.08	24.08	24.08	24.09	24.09	24.11	24.13	24.14	24.19	24.32	24.08
15	24.16	24.18	24.19	24.19	24.22	24.26	24.28	24.30	24.32	24.31	24.31	24.31	24.29	24.26	24.23	24.20	24.19	24.16	24.15	24.13	24.11	24.09	24.05	24.03	24.20	24.32	24.03
16	24.02	24.00	23.97	23.95	23.93	23.92	23.90	23.93	23.97	24.00	24.00	24.02	24.03	24.04	24.04	24.06	24.09	24.14	24.15	24.18	24.21	24.23	24.23	24.24	24.05	24.24	23.90
17	24.24	24.25	24.24	24.21	24.20	24.18	24.16	24.14	24.14	24.12	24.09	24.07	24.04	24.01	23.99	23.98	23.99	23.99	23.99	23.98	23.99	24.00	23.99	24.00	24.08	24.25	23.98
18	24.01	24.03	24.07	24.10	24.12	24.16	24.18	24.22	24.24	24.25	24.25	24.26	24.26	24.25	24.23	24.22	24.19	24.15	24.12	24.10	24.07	24.04	24.01	23.98	24.15	24.26	23.98
19	23.94	23.90	23.91	23.92	23.91	23.93	23.93	23.95	23.98	23.98	23.97	23.98	23.98	23.99	24.00	24.02	24.03	24.05	24.08	24.10	24.11	24.14	24.17	24.19	24.01	24.19	23.90
20	24.21	24.23	24.25	24.27	24.28	24.28	24.28	24.27	24.27	24.26	24.24	24.21	24.18	24.15	24.13	24.11	24.10	24.08	24.09	24.10	24.10	24.12	24.12	24.13	24.19	24.28	24.08
21	24.13	24.13	24.13	24.13	24.13	24.13	24.13	24.12	24.13	24.14	24.16	24.16	24.16	24.15	24.15	24.15	24.16	24.16	24.17	24.19	24.20	24.22	24.23	24.23	24.16	24.23	24.12
22	24.26	24.26	24.27	24.27	24.28	24.28	24.28	24.29	24.30	24.30	24.30	24.30	24.28	24.26	24.26	24.27	24.27	24.28	24.30	24.30	24.31	24.32	24.32	24.31	24.29	24.32	24.26
23	24.32	24.32	24.32	24.32	24.33	24.33	24.34	24.35	24.36	24.36	24.36	24.35	24.34	24.32	24.31	24.30	24.30	24.30	24.29	24.28	24.27	24.27	24.27	24.27	24.32	24.36	24.27
24	24.27	24.27	24.29	24.30	24.32	24.34	24.37	24.39	24.42	24.44	24.46	24.46	24.45	24.44	24.43	24.44	24.43	24.43	24.43	24.41	24.40	24.39	24.38	24.39	24.39	24.46	24.27
25	24.40	24.43	24.45	24.46	24.49	24.51	24.52	24.54	24.57	24.59	24.59	24.58	24.57	24.56	24.55	24.54	24.52	24.51	24.50	24.48	24.46	24.45	24.45	24.44	24.51	24.59	24.40
26	24.43	24.43	24.42	24.41	24.41	24.41	24.41	24.41	24.44	24.44	24.42	24.40	24.38	24.36	24.33	24.32	24.30	24.28	24.28	24.27	24.25	24.24	24.22	24.21	24.35	24.44	24.21
27	24.19	24.18	24.16	24.14	24.12	24.10	24.09	24.07	24.06	24.04	24.03	24.02	24.00	23.99	23.98	23.96	23.95	23.95	23.95	23.95	23.97	24.00	24.04	24.07	24.04	24.19	23.95
28	24.10	24.13	24.14	24.16	24.18	24.20	24.20	24.20	24.22	24.21	24.21	24.22	24.21	24.19	24.18	24.19	24.20	24.21	24.22	24.24	24.25	24.27	24.28	24.29	24.20	24.29	24.10
Avg	24.23	24.23	24.23	24.23	24.23	24.23	24.23	24.23	24.25	24.25	24.25	24.25	24.24	24.23	24.22	24.22	24.22	24.22	24.23	24.23	24.23	24.23	24.23	24.23	24.23	24.34	24.13
Max	24.54	24.54	24.55	24.55	24.55	24.55	24.54	24.55	24.57	24.60	24.61	24.62	24.61	24.58	24.56	24.56	24.55	24.54	24.52	24.52	24.53	24.54	24.54	24.54	24.55	24.62	24.46
Min	23.94	23.90	23.91	23.92	23.91	23.92	23.90	23.93	23.97	23.98	23.96	23.95	23.94	23.95	23.95	23.96	23.95	23.95	23.95	23.95	23.97	24.00	23.99	23.98	24.01	24.11	23.90

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
March 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	24.28	24.28	24.27	24.27	24.27	24.26	24.26	24.26	24.26	24.26	24.27	24.28	24.28	24.27	24.26	24.27	24.27	24.26	24.26	24.27	24.27	24.28	24.27	24.25	24.27	24.28	24.25
2	24.25	24.25	24.25	24.23	24.24	24.24	24.23	24.24	24.26	24.26	24.26	24.23	24.22	24.20	24.18	24.19	24.18	24.17	24.17	24.17	24.16	24.16	24.16	24.16	24.21	24.26	24.16
3	24.15	24.16	24.17	24.16	24.16	24.17	24.17	24.18	24.20	24.22	24.23	24.23	24.22	24.20	24.18	24.17	24.17	24.16	24.16	24.16	24.16	24.17	24.17	24.17	24.18	24.23	24.15
4	24.17	24.17	24.17	24.18	24.18	24.19	24.20	24.21	24.23	24.25	24.25	24.26	24.26	24.26	24.27	24.28	24.29	24.29	24.29	24.29	24.29	24.30	24.30	24.30	24.25	24.30	24.17
5	24.29	24.29	24.30	24.30	24.30	24.29	24.28	24.27	24.27	24.27	24.26	24.23	24.21	24.20	24.20	24.21	24.19	24.19	24.19	24.20	24.20	24.20	24.18	24.14	24.24	24.30	24.14
6	24.12	24.11	24.10	24.08	24.07	24.05	24.04	24.08	24.11	24.11	24.12	24.13	24.13	24.13	24.14	24.14	24.15	24.16	24.16	24.17	24.20	24.22	24.24	24.24	24.13	24.24	24.04
7	24.25	24.26	24.26	24.27	24.28	24.29	24.31	24.33	24.34	24.36	24.36	24.37	24.38	24.39	24.40	24.41	24.43	24.45	24.46	24.47	24.48	24.48	24.49	24.50	24.38	24.50	24.25
8	24.50	24.51	24.51	24.51	24.51	24.51	24.52	24.53	24.54	24.53	24.52	24.51	24.49	24.45	24.45	24.43	24.41	24.39	24.39	24.38	24.38	24.38	24.37	24.36	24.46	24.54	24.36
9	24.35	24.35	24.32	24.31	24.30	24.30	24.29	24.28	24.29	24.31	24.32	24.32	24.32	24.31	24.30	24.29	24.31	24.30	24.31	24.32	24.31	24.30	24.30	24.29	24.31	24.35	24.28
10	24.28	24.28	24.26	24.23	24.21	24.20	24.19	24.18	24.18	24.17	24.17	24.15	24.14	24.12	24.11	24.12	24.13	24.14	24.17	24.20	24.22	24.24	24.26	24.28	24.19	24.28	24.11
11	24.31	24.35	24.38	24.41	24.45	24.49	24.53	24.56	24.59	24.63	24.65	24.65	24.66	24.64	24.61	24.61	24.61	24.60	24.59	24.59	24.60	24.60	24.60	24.60	24.55	24.66	24.31
12	24.61	24.61	24.61	24.61	24.60	24.61	24.61	24.61	24.60	24.60	24.60	Au	Au	Au	24.53	24.52	24.50	24.49	24.47	24.46	24.46	24.46	24.45	24.43	24.54	24.61	24.43
13	24.40	24.38	24.37	24.35	24.33	24.32	24.31	24.29	24.28	24.29	24.30	24.28	24.28	24.28	24.28	24.28	24.28	24.28	24.29	24.30	24.30	24.30	24.31	24.32	24.31	24.40	24.28
14	24.32	24.33	24.32	24.30	24.31	24.30	24.29	24.28	24.26	24.26	24.25	24.25	24.25	24.23	24.23	24.22	24.22	24.23	24.23	24.23	24.23	24.26	24.28	24.29	24.27	24.33	24.22
15	24.30	24.31	24.34	24.36	24.39	24.43	24.47	24.50	24.53	24.56	24.58	24.59	24.59	24.58	24.58	24.58	24.58	24.58	24.57	24.58	24.58	24.56	24.55	24.54	24.51	24.59	24.30
16	24.54	24.54	24.53	24.52	24.50	24.47	24.46	24.45	24.45	24.46	24.44	24.42	24.39	24.35	24.34	24.33	24.30	24.28	24.26	24.23	24.21	24.18	24.13	24.08	24.37	24.54	24.08
17	24.04	23.99	23.96	23.92	23.89	23.87	23.87	23.85	23.85	23.86	23.87	23.90	23.94	23.96	23.99	24.03	24.07	24.11	24.14	24.17	24.20	24.22	24.24	24.25	24.01	24.25	23.85
18	24.27	24.28	24.29	24.29	24.30	24.32	24.32	24.33	24.34	24.36	24.37	24.38	24.37	24.36	24.35	24.35	24.35	24.35	24.35	24.36	24.38	24.38	24.38	24.38	24.34	24.38	24.27
19	24.38	24.38	24.38	24.37	24.37	24.37	24.38	24.38	24.36	24.35	24.34	24.32	24.30	24.27	24.25	24.24	24.23	24.23	24.23	24.23	24.23	24.23	24.23	24.21	24.30	24.38	24.21
20	24.20	24.18	24.17	24.16	24.15	24.14	24.15	24.17	24.18	24.19	24.21	24.21	24.22	24.24	24.25	24.27	24.28	24.31	24.32	24.35	24.36	24.37	24.39	24.40	24.24	24.40	24.14
21	24.42	24.44	24.45	24.46	24.48	24.49	24.51	24.51	24.51	24.50	24.50	24.49	24.48	24.48	24.47	24.47	24.46	24.48	24.50	24.51	24.51	24.52	24.52	24.52	24.49	24.52	24.42
22	24.52	24.52	24.52	24.52	24.53	24.54	24.55	24.57	24.57	24.57	24.56	24.56	24.56	24.55	24.53	24.52	24.50	24.47	24.48	24.47	24.46	24.45	24.43	24.41	24.52	24.57	24.41
23	24.39	24.38	24.36	24.36	24.35	24.36	24.35	24.36	24.36	24.38	24.39	24.42	24.42	24.42	24.42	24.43	24.43	24.42	24.43	24.45	24.47	24.49	24.50	24.52	24.41	24.52	24.35
24	24.53	24.54	24.54	24.54	24.55	24.55	24.56	24.57	24.57	24.57	24.56	24.58	24.58	24.57	24.56	24.55	24.54	24.54	24.54	24.55	24.56	24.55	24.52	24.50	24.55	24.58	24.50
25	24.48	24.46	24.43	24.40	24.39	24.37	24.36	24.34	24.32	24.28	24.26	24.22	24.19	24.15	24.12	24.09	24.06	24.03	24.01	23.99	23.98	23.98	23.98	23.97	24.20	24.48	23.97
26	23.96	23.95	23.94	23.93	23.93	23.93	23.94	23.94	23.95	23.95	23.94	23.94	23.94	23.92	23.92	23.91	23.91	23.93	23.94	23.94	23.96	23.96	23.97	23.97	23.94	23.97	23.91
27	23.98	23.99	23.99	23.99	23.99	23.99	23.99	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.03	24.05	24.08	24.09	24.12	24.15	24.15	24.17	24.17	24.04	24.17	23.98
28	24.19	24.19	24.19	24.20	24.22	24.24	24.26	24.27	24.28	24.30	24.31	24.31	24.30	24.29	24.28	24.27	24.26	24.25	24.24	24.24	24.23	24.22	24.23	24.21	24.25	24.31	24.19
29	24.21	24.21	24.20	24.19	24.16	24.15	24.14	24.14	24.15	24.16	24.18	24.18	24.18	24.18	24.19	24.19	24.19	24.19	24.19	24.19	24.19	24.18	24.17	24.17	24.18	24.21	24.14
30	24.16	24.15	24.14	24.14	24.13	24.12	24.13	24.13	24.12	24.12	24.13	24.11	24.11	24.12	24.13	24.15	24.16	24.17	24.20	24.21	24.24	24.26	24.27	24.27	24.16	24.27	24.11
31	24.28	24.29	24.30	24.30	24.30	24.30	24.31	24.32	24.33	24.33	24.33	24.33	24.31	24.29	24.28	24.27	24.25	24.24	24.23	24.23	24.23	24.24	24.22	24.21	24.28	24.33	24.21
Avg	24.29	24.29	24.29	24.29	24.29	24.29	24.29	24.29	24.30	24.31	24.31	24.30	24.29	24.28	24.28	24.28	24.28	24.28	24.29	24.29	24.30	24.30	24.30	24.29	24.29	24.38	24.20
Max	24.61	24.61	24.61	24.61	24.60	24.61	24.61	24.61	24.60	24.63	24.65	24.65	24.66	24.64	24.61	24.61	24.61	24.60	24.59	24.59	24.60	24.60	24.60	24.60	24.55	24.66	24.50
Min	23.96	23.95	23.94	23.92	23.89	23.87	23.87	23.85	23.85	23.86	23.87	23.90	23.94	23.92	23.92	23.91	23.91	23.93	23.94	23.94	23.96	23.96	23.97	23.97	23.94	23.97	23.85

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
January 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	86.0	85.9	79.1	80.4	86.5	82.4	84.3	87.2	88.8	87.4	80.6	76.8	70.8	64.1	61.3	63.1	64.1	70.4	75.6	85.0	88.0	89.1	87.3	85.9	79.6	89.1	61.3
2	85.3	85.5	84.9	85.0	84.9	85.3	86.9	86.7	88.1	88.7	87.9	79.8	70.9	57.1	52.8	57.2	66.3	78.7	78.4	77.4	79.9	82.3	67.6	63.3	77.5	88.7	52.8
3	60.4	59.2	57.5	54.8	54.7	57.6	73.2	70.5	65.2	60.7	56.2	55.3	52.1	71.2	82.1	69.8	69.9	70.8	81.7	85.8	88.4	87.6	86.1	84.8	69.0	88.4	52.1
4	83.6	83.5	82.7	82.0	82.8	83.2	83.7	83.8	85.6	78.0	71.6	72.8	63.2	71.1	77.9	78.2	81.3	81.8	81.2	78.2	71.6	79.5	68.8	63.4	77.9	85.6	63.2
5	63.7	63.0	64.4	62.6	64.7	63.8	59.2	52.1	50.2	51.2	59.4	59.6	60.3	56.2	52.1	48.9	52.2	67.2	71.5	72.9	73.7	73.6	72.8	73.1	62.0	73.7	48.9
6	73.3	72.6	72.3	73.9	73.6	75.2	76.9	78.8	78.3	72.2	63.5	61.4	56.0	46.7	44.8	49.2	52.7	59.9	67.5	70.1	70.9	74.9	76.7	79.1	67.5	79.1	44.8
7	79.0	79.7	80.1	81.0	76.4	79.4	82.9	83.1	77.0	79.1	86.5	78.2	60.7	56.5	61.6	69.0	70.7	74.0	78.0	80.0	82.8	86.3	86.6	86.5	77.3	86.6	56.5
8	88.5	89.0	90.1	91.3	92.3	92.7	93.3	93.7	93.0	90.7	88.6	84.3	81.5	78.8	80.5	78.5	74.6	79.7	86.4	84.7	76.5	75.7	70.4	79.2	84.8	93.7	70.4
9	82.2	81.5	75.9	71.2	70.1	81.6	83.8	88.4	90.4	84.7	83.3	78.0	76.1	72.5	67.3	62.9	58.6	58.9	61.1	60.0	59.3	62.4	63.1	64.2	72.4	90.4	58.6
10	72.9	76.7	89.5	89.5	89.6	91.6	91.5	84.9	79.1	76.5	74.5	71.6	68.2	67.9	66.3	63.5	64.2	65.4	63.3	62.9	65.7	66.8	68.6	70.4	74.2	91.6	62.9
11	68.6	68.2	69.8	74.5	68.1	68.3	65.8	64.9	65.3	65.2	60.8	54.3	56.3	69.3	72.9	78.2	81.1	77.0	66.2	57.5	59.0	61.2	68.5	80.2	67.5	81.1	54.3
12	80.8	81.1	84.4	84.3	78.9	73.6	73.5	72.3	70.5	66.8	59.7	58.5	66.7	60.8	57.5	57.9	59.7	62.9	64.6	66.8	68.3	67.3	67.0	70.0	68.9	84.4	57.5
13	72.3	71.1	71.4	72.4	71.9	67.7	65.3	62.8	61.2	59.6	56.5	55.3	52.9	55.9	57.1	58.4	59.7	65.0	85.9	85.9	82.1	84.3	84.8	87.1	68.6	87.1	52.9
14	89.9	91.5	91.0	92.2	91.9	91.4	91.5	91.5	90.5	87.6	80.0	73.7	65.6	73.2	72.5	71.6	73.8	77.7	80.5	77.6	80.3	76.9	72.8	71.9	81.5	92.2	65.6
15	72.3	68.7	62.5	54.1	51.5	51.2	49.4	46.1	48.5	50.5	45.0	45.2	48.5	47.4	46.7	45.6	49.1	52.9	57.7	63.4	72.0	73.9	75.5	78.8	56.5	78.8	45.0
16	76.7	76.6	74.3	72.8	76.9	79.1	80.7	84.4	85.2	71.3	67.2	64.1	56.9	52.6	50.4	50.3	53.6	66.6	74.8	80.8	84.6	86.8	88.3	88.8	72.7	88.8	50.3
17	88.3	87.6	86.9	86.9	86.0	85.9	85.0	85.2	84.8	82.8	80.0	69.3	64.2	42.4	38.6	42.4	49.2	55.3	63.5	72.1	78.5	81.8	85.8	86.4	73.7	88.3	38.6
18	89.3	89.6	87.9	84.7	85.3	85.0	84.6	84.2	84.5	82.6	73.8	69.3	70.0	49.5	42.9	41.5	47.8	53.5	65.2	74.3	80.5	81.9	85.7	86.4	74.2	89.6	41.5
19	88.2	88.4	86.9	86.0	83.1	77.2	76.8	73.8	69.0	71.3	72.3	71.6	66.3	47.9	37.9	40.6	43.5	45.9	48.1	46.6	50.4	52.8	51.9	56.4	63.9	88.4	37.9
20	55.1	58.2	69.3	72.7	80.5	83.8	86.2	85.8	84.8	80.1	73.1	63.4	62.7	54.9	48.4	46.6	56.2	68.9	77.1	81.3	84.0	85.5	85.4	86.6	72.1	86.6	46.6
21	85.4	85.2	85.2	84.8	85.2	84.7	84.7	84.5	84.0	82.9	78.5	67.1	55.6	42.1	48.9	54.8	65.2	72.0	76.3	80.5	82.3	82.4	82.2	81.0	75.6	85.4	42.1
22	83.8	82.7	83.6	84.6	87.8	92.7	94.7	94.6	94.3	93.5	90.4	90.0	86.4	85.7	86.2	87.6	92.3	93.5	95.1	96.0	94.7	92.7	91.1	86.0	90.0	96.0	82.7
23	84.7	84.3	83.9	82.8	80.7	80.6	83.4	81.9	83.3	81.2	75.5	70.5	75.3	64.4	58.2	67.3	76.0	85.0	88.5	88.6	89.5	91.6	90.2	89.4	80.7	91.6	58.2
24	88.8	88.7	90.5	91.4	91.5	90.3	91.4	88.5	89.2	88.2	85.0	74.6	58.5	50.0	55.5	57.3	56.5	75.7	87.3	91.1	93.1	92.8	90.6	90.0	81.5	93.1	50.0
25	89.6	88.0	87.9	87.1	87.3	87.3	86.5	87.9	88.1	87.9	87.3	83.5	54.1	50.2	50.1	51.6	52.7	62.9	79.1	71.5	64.3	72.0	79.6	84.2	75.9	89.6	50.1
26	85.0	85.6	86.8	82.6	73.9	69.5	92.0	80.4	88.0	86.4	78.0	71.3	52.0	47.0	47.9	50.4	51.2	50.2	53.4	59.1	63.5	64.8	66.2	68.7	68.9	92.0	47.0
27	71.2	73.8	75.2	77.9	79.0	79.3	78.1	76.5	74.0	68.1	65.4	57.8	51.3	44.5	49.5	54.4	54.5	58.2	57.2	58.6	69.4	70.6	75.0	76.0	66.5	79.3	44.5
28	77.6	76.5	77.1	74.8	74.8	75.8	75.5	76.0	76.0	72.5	66.7	55.3	40.9	28.2	28.0	29.9	30.3	32.3	42.1	50.7	55.4	61.8	65.7	72.1	59.0	77.6	28.0
29	76.5	75.6	73.2	73.9	73.7	72.8	73.9	84.5	96.5	95.7	95.8	95.2	93.6	89.5	92.3	87.5	79.8	75.8	72.0	71.2	71.9	79.6	86.7	78.9	81.9	96.5	71.2
30	69.6	69.5	69.3	70.6	68.1	66.6	72.8	77.4	75.5	72.7	75.9	76.5	77.7	78.2	77.0	77.4	78.5	79.8	81.8	82.1	82.3	82.4	82.8	83.0	76.1	83.0	66.6
31	83.1	83.2	83.7	83.8	83.6	83.5	84.2	84.1	82.6	81.6	80.8	79.6	79.9	80.4	73.3	79.4	77.0	69.1	68.5	78.9	75.6	73.1	71.7	65.7	78.6	84.2	65.7
Avg	79.1	79.1	79.3	78.9	78.6	78.7	80.4	79.9	79.7	77.3	74.2	69.8	64.4	59.9	59.3	60.4	62.7	67.3	71.9	73.9	75.4	77.2	77.3	78.0	73.4	87.1	53.8
Max	89.9	91.5	91.0	92.2	92.3	92.7	94.7	94.6	96.5	95.7	95.8	95.2	93.6	89.5	92.3	87.6	92.3	93.5	95.1	96.0	94.7	92.8	91.1	90.0	90.0	96.5	82.7
Min	55.1	58.2	57.5	54.1	51.5	51.2	49.4	46.1	48.5	50.5	45.0	45.2	40.9	28.2	28.0	29.9	30.3	32.3	42.1	46.6	50.4	52.8	51.9	56.4	56.5	73.7	28.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
February 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	69.9	77.9	78.4	77.3	77.7	75.4	75.0	72.9	73.2	73.1	72.9	68.1	67.6	60.3	56.7	60.6	69.5	80.9	80.3	77.9	76.7	73.9	74.0	72.7	72.6	80.9	56.7
2	72.6	72.2	73.0	73.1	74.2	74.7	76.3	78.5	80.4	82.4	83.8	85.0	85.7	86.6	81.4	81.5	79.5	78.6	82.1	84.1	84.0	82.7	81.4	82.2	79.8	86.6	72.2
3	84.5	86.0	83.5	83.5	83.1	81.5	81.9	80.8	81.2	77.6	75.4	75.3	76.8	75.9	76.4	77.7	77.8	78.4	77.8	77.7	78.6	77.1	76.3	75.6	79.2	86.0	75.3
4	75.5	75.5	74.7	73.9	72.7	72.0	71.2	71.3	70.7	68.4	67.0	64.6	69.3	71.0	72.3	71.4	71.1	71.6	72.0	73.2	72.4	72.2	71.5	70.7	71.5	75.5	64.6
5	70.3	69.3	68.9	68.2	67.6	66.8	65.3	64.5	63.2	60.8	61.0	60.1	57.3	63.3	65.3	66.4	66.9	71.1	73.1	70.0	68.1	66.6	66.0	64.2	66.0	73.1	57.3
6	63.4	62.7	61.8	61.1	60.9	60.6	59.9	59.5	60.1	60.5	61.7	63.0	60.8	54.1	46.9	60.2	59.4	71.0	73.0	70.8	69.3	68.5	67.2	67.2	62.6	73.0	46.9
7	66.5	67.6	69.0	72.6	75.9	78.5	80.7	81.9	83.0	84.1	84.5	83.0	76.5	82.5	79.4	68.9	73.0	76.8	85.7	84.4	81.3	79.7	77.3	78.9	78.0	85.7	66.5
8	78.5	80.5	80.7	82.6	82.4	79.9	79.4	80.0	80.1	78.5	75.5	76.1	76.2	75.6	74.4	74.4	75.1	78.1	78.5	76.7	75.4	74.8	74.2	73.9	77.6	82.6	73.9
9	74.4	75.4	76.4	77.8	79.0	79.6	79.9	78.2	78.8	77.4	72.9	68.9	66.4	66.9	70.8	75.1	80.0	83.1	83.1	83.1	83.1	82.9	83.2	83.2	77.5	83.2	66.4
10	83.5	83.8	84.7	84.6	85.4	86.1	87.8	88.1	86.1	82.2	78.5	75.3	71.1	70.0	70.2	69.3	71.0	81.0	84.4	80.1	78.8	82.2	80.3	78.9	80.1	88.1	69.3
11	70.7	67.7	67.2	65.8	66.9	68.1	67.4	66.3	74.6	76.8	69.1	80.9	79.3	80.4	72.5	55.5	51.2	56.5	61.2	64.8	78.0	83.8	85.8	85.6	70.7	85.8	51.2
12	84.5	85.7	85.4	80.9	74.7	64.7	64.8	65.5	70.0	69.1	66.8	70.5	73.4	62.8	64.2	63.7	62.7	65.9	58.7	59.1	61.2	60.4	58.7	59.4	68.0	85.7	58.7
13	68.7	66.5	60.5	62.6	64.3	64.8	75.2	79.6	83.2	85.6	67.1	63.5	54.3	54.2	54.2	59.5	70.7	73.2	78.7	71.7	67.6	66.8	64.4	65.5	67.6	85.6	54.2
14	71.1	80.2	81.3	81.8	81.9	83.6	82.7	83.6	82.8	79.2	72.8	56.3	68.8	70.2	73.3	76.6	74.3	76.0	77.0	69.3	64.9	63.5	66.9	70.8	74.5	83.6	56.3
15	71.1	70.2	70.8	67.2	67.7	75.0	80.8	84.8	81.1	68.3	67.0	60.8	43.0	41.0	52.8	59.0	59.5	64.5	83.1	93.5	92.9	89.1	86.7	81.3	71.3	93.5	41.0
16	73.8	65.1	68.5	69.5	67.8	69.0	69.2	78.5	82.8	70.0	63.3	52.6	53.3	55.0	57.9	59.4	56.8	56.4	58.8	63.0	59.3	58.8	57.1	53.7	63.3	82.8	52.6
17	47.9	47.7	53.1	51.7	55.9	56.0	45.0	46.7	47.5	45.0	43.4	42.5	42.1	42.1	41.9	46.4	47.1	49.8	52.8	53.5	69.4	77.9	68.4	63.2	51.5	77.9	41.9
18	64.7	63.6	72.8	84.9	84.1	82.2	72.6	67.4	64.1	61.3	62.1	60.5	60.7	58.6	54.6	54.2	62.3	53.2	54.0	51.4	53.6	53.2	58.7	60.3	63.1	84.9	51.4
19	59.4	61.5	73.3	84.2	63.0	50.5	51.8	55.5	55.3	61.6	61.6	58.1	54.3	48.8	57.7	64.5	59.9	67.1	69.6	67.1	66.7	64.4	69.0	72.7	62.4	84.2	48.8
20	76.7	76.9	80.8	82.1	83.1	82.9	82.3	81.1	78.9	78.4	69.7	58.9	55.4	69.7	73.5	75.1	82.9	84.6	87.3	86.1	80.3	74.6	73.8	72.3	77.0	87.3	55.4
21	68.6	64.8	62.5	64.1	67.0	72.5	81.0	85.4	82.7	66.2	54.5	53.9	51.1	51.3	69.2	81.2	84.0	87.1	90.1	88.5	87.4	79.6	80.7	81.8	73.1	90.1	51.1
22	83.3	84.1	82.5	81.3	83.5	85.3	84.5	85.1	83.3	77.5	76.8	53.1	51.7	57.9	57.3	56.8	59.4	73.6	82.8	84.1	82.1	82.5	78.7	75.1	75.1	85.3	51.7
23	75.1	78.3	77.8	79.3	82.1	83.8	83.6	80.7	77.3	75.7	73.6	73.3	70.9	72.2	76.2	77.5	77.5	78.4	79.1	79.0	79.3	79.1	79.4	80.1	77.9	83.8	70.9
24	79.4	78.1	78.8	77.9	77.6	76.6	74.9	75.1	73.8	74.0	67.2	59.8	58.2	54.6	57.0	66.3	69.6	75.8	83.0	84.0	84.3	84.9	84.7	83.9	74.1	84.9	54.6
25	83.4	83.2	82.3	75.7	55.4	56.9	67.2	75.7	72.4	65.1	57.1	48.6	49.2	54.1	53.1	52.3	53.0	62.7	74.5	79.9	77.5	76.9	75.5	74.8	66.9	83.4	48.6
26	73.3	73.5	71.8	72.4	72.4	71.9	71.7	73.2	75.1	77.5	80.0	80.0	68.2	55.2	49.5	43.5	45.7	60.3	77.0	87.4	85.2	82.9	82.2	80.9	71.3	87.4	43.5
27	82.7	83.8	84.4	86.2	85.4	85.1	84.8	84.6	88.1	85.5	69.3	59.3	69.6	77.0	68.5	78.6	94.8	97.2	98.1	97.0	86.5	77.5	73.3	71.0	82.0	98.1	59.3
28	70.2	67.1	68.2	67.3	67.1	69.2	67.8	68.6	67.1	64.7	66.2	64.3	70.9	75.9	76.3	75.1	75.8	74.9	75.9	74.8	72.0	71.9	70.7	67.4	70.4	76.3	64.3
Avg	73.0	73.2	74.0	74.6	73.5	73.3	73.7	74.8	74.9	72.4	68.6	64.9	63.6	63.8	64.4	66.1	68.2	72.4	76.1	76.2	75.6	74.6	73.8	73.1	71.6	84.1	57.3
Max	84.5	86.0	85.4	86.2	85.4	86.1	87.8	88.1	88.1	85.6	84.5	85.0	85.7	86.6	81.4	81.5	94.8	97.2	98.1	97.0	92.9	89.1	86.7	85.6	82.0	98.1	75.3
Min	47.9	47.7	53.1	51.7	55.4	50.5	45.0	46.7	47.5	45.0	43.4	42.5	42.1	41.0	41.9	43.5	45.7	49.8	52.8	51.4	53.6	53.2	57.1	53.7	51.5	73.0	41.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
March 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	65.3	66.3	65.6	63.7	66.8	66.2	63.7	64.3	67.5	66.5	64.9	63.4	62.1	62.8	62.3	61.9	62.6	63.6	66.8	66.1	64.9	63.9	64.9	65.8	64.7	67.5	61.9
2	65.9	66.4	65.8	66.9	67.3	68.1	70.2	71.2	65.2	65.1	66.1	58.5	64.6	77.7	76.5	73.9	75.2	74.5	74.1	76.7	75.2	74.1	85.4	83.3	71.2	85.4	58.5
3	83.4	85.6	90.6	90.1	91.2	86.5	88.7	79.1	78.0	69.6	62.0	56.1	52.1	44.1	49.3	57.7	69.6	70.3	66.8	69.6	73.6	85.2	82.8	83.5	73.6	91.2	44.1
4	82.7	88.0	88.2	89.6	89.3	78.9	72.1	68.1	68.1	58.6	58.4	61.9	59.4	57.1	57.7	60.1	61.6	64.1	74.7	78.6	82.0	83.6	85.5	84.7	73.0	89.6	57.1
5	78.5	76.9	80.3	77.3	78.9	79.2	81.1	78.3	66.3	56.0	53.2	51.2	50.4	47.9	50.9	60.6	63.3	63.1	63.9	66.4	63.0	73.1	79.5	79.2	67.4	81.1	47.9
6	83.4	69.5	68.9	66.6	70.3	69.6	72.4	83.1	90.0	84.8	73.2	72.0	68.0	65.7	65.8	60.9	61.5	64.1	66.3	69.6	71.3	74.1	77.6	81.7	72.1	90.0	60.9
7	83.4	85.7	83.5	84.5	84.1	90.8	90.2	89.9	80.1	77.6	72.2	68.1	68.2	67.6	67.2	66.6	67.9	70.3	77.5	73.5	75.0	78.7	84.3	87.0	78.1	90.8	66.6
8	89.0	88.6	87.4	88.4	88.7	91.7	91.0	90.2	84.4	76.7	73.6	62.0	48.4	50.7	49.0	50.5	49.2	52.1	54.3	58.7	56.7	57.6	54.2	56.0	68.7	91.7	48.4
9	49.7	43.1	45.9	46.7	39.2	41.1	41.6	47.2	46.0	47.0	50.6	50.6	50.8	51.6	56.2	59.7	60.3	62.0	64.5	65.4	71.3	68.2	66.2	69.6	53.9	71.3	39.2
10	70.8	79.5	89.8	94.3	96.3	97.9	98.6	98.5	97.8	94.5	91.3	95.4	87.0	88.8	90.7	92.6	93.7	98.4	98.3	98.1	97.4	97.9	98.0	97.5	93.5	98.6	70.8
11	87.6	75.1	80.3	82.0	86.2	87.1	93.9	90.3	81.9	74.7	64.9	59.7	52.2	56.4	66.9	68.1	69.3	69.4	69.7	77.4	90.9	94.1	91.8	89.9	77.5	94.1	52.2
12	89.7	89.9	89.2	88.1	87.3	88.2	87.3	87.2	84.7	79.5	70.8	Au	Au	Au	53.9	47.4	48.3	56.9	77.4	89.7	93.1	94.5	93.9	91.2	80.4	94.5	47.4
13	92.0	90.9	88.7	86.9	86.4	86.4	86.1	89.3	67.8	51.4	50.6	52.0	51.6	55.4	51.6	46.6	45.7	45.8	47.7	63.2	77.7	80.8	84.1	89.0	69.5	92.0	45.7
14	90.4	91.0	90.5	90.4	89.4	88.4	87.6	86.7	81.3	82.2	66.4	52.6	53.3	57.5	56.7	62.5	70.1	74.2	76.2	74.4	78.2	78.7	67.0	64.4	75.4	91.0	52.6
15	77.2	92.9	91.2	91.1	91.0	89.9	88.7	86.6	82.2	80.7	72.4	64.6	57.7	51.8	50.1	49.9	44.9	43.1	48.5	54.9	59.3	57.6	62.4	74.8	69.3	92.9	43.1
16	76.1	80.6	80.5	82.2	83.6	81.6	80.3	78.7	70.1	50.7	39.2	36.0	35.4	34.3	31.6	31.0	29.7	32.1	32.1	35.8	33.3	38.4	50.2	58.5	53.4	83.6	29.7
17	62.8	71.3	74.3	68.1	68.9	71.1	58.5	64.4	69.7	77.9	77.8	72.9	75.5	82.1	83.2	89.1	89.6	88.4	90.5	83.5	87.3	90.0	86.1	85.2	77.8	90.5	58.5
18	88.6	91.5	94.0	93.0	92.6	90.1	89.7	89.4	86.1	80.9	71.3	67.0	65.0	58.0	55.6	55.6	58.0	59.1	64.9	68.6	67.3	71.2	80.2	84.0	75.9	94.0	55.6
19	87.1	86.8	85.3	84.5	83.9	83.2	83.9	83.7	80.3	70.0	49.3	42.7	39.3	40.6	41.8	39.6	40.3	43.5	45.8	50.2	55.5	62.8	69.3	63.5	63.0	87.1	39.3
20	65.2	67.9	75.2	89.3	90.8	86.9	82.5	72.2	57.3	53.2	49.8	46.6	49.6	48.7	51.1	52.2	56.8	68.5	75.5	84.0	82.8	86.1	83.2	79.7	69.0	90.8	46.6
21	80.2	78.7	72.6	73.2	76.0	83.0	82.8	79.6	73.0	71.5	69.4	68.9	69.7	64.7	64.7	65.8	70.4	77.3	83.2	85.0	84.5	84.0	84.4	85.1	76.2	85.1	64.7
22	84.1	79.5	77.0	78.9	82.5	81.6	80.2	78.7	71.8	65.5	59.7	60.4	46.5	45.5	52.3	54.1	53.7	59.4	68.8	70.9	75.4	78.9	79.6	80.1	69.4	84.1	45.5
23	80.7	81.3	81.4	82.8	83.2	89.1	89.3	86.1	77.7	79.8	83.7	81.3	76.3	69.9	66.9	62.5	61.1	62.0	67.6	76.4	83.3	89.1	89.8	89.6	78.8	89.8	61.1
24	88.4	88.4	87.7	87.4	86.9	86.9	87.0	86.5	83.7	80.0	75.5	55.7	49.8	52.9	57.3	57.9	68.8	73.9	78.6	84.2	86.6	86.5	84.7	84.1	77.5	88.4	49.8
25	84.3	84.0	84.6	87.5	89.2	87.4	86.9	85.0	81.0	69.8	63.7	65.2	42.1	32.1	37.9	34.0	40.5	48.7	56.1	57.4	61.6	68.7	72.3	72.7	66.4	89.2	32.1
26	73.5	70.3	71.8	74.8	77.0	77.7	79.1	76.4	74.8	71.1	63.8	55.1	53.2	46.4	45.6	50.4	58.0	75.1	80.0	82.9	90.0	92.5	92.8	92.9	71.9	92.9	45.6
27	93.8	94.7	92.5	92.6	92.7	87.2	86.6	85.5	83.8	83.0	81.3	80.5	82.6	81.8	88.0	83.5	78.3	78.6	82.4	86.4	88.2	90.0	90.0	89.1	86.4	94.7	78.3
28	90.6	89.6	88.8	88.3	89.0	89.7	91.2	87.6	82.6	75.7	67.4	58.3	54.8	52.9	48.0	42.7	39.6	42.7	47.9	53.4	56.3	58.8	57.0	58.1	67.1	91.2	39.6
29	59.0	60.2	58.4	62.6	67.3	58.3	55.5	55.9	67.1	80.7	89.3	90.4	85.1	86.4	84.1	74.9	71.1	69.3	66.0	67.7	69.5	76.8	78.1	81.2	71.5	90.4	55.5
30	84.4	86.9	85.9	87.3	86.9	87.5	88.9	87.9	81.5	75.0	73.5	79.5	73.5	64.8	66.9	67.6	68.3	79.4	84.4	87.0	87.6	87.7	86.6	84.1	81.0	88.9	64.8
31	83.9	83.6	85.3	87.8	87.5	89.8	85.2	85.5	83.4	83.7	75.4	56.1	58.3	67.9	70.7	73.6	68.7	75.9	81.5	80.3	84.8	83.4	83.3	84.8	79.2	89.8	56.1
Avg	79.7	80.2	80.7	81.5	82.3	82.0	81.3	80.4	76.3	72.0	67.1	62.8	59.4	58.8	59.7	59.8	61.2	64.7	68.8	72.1	75.0	77.6	78.9	79.7	72.6	88.8	52.2
Max	93.8	94.7	94.0	94.3	96.3	97.9	98.6	98.5	97.8	94.5	91.3	95.4	87.0	88.8	90.7	92.6	93.7	98.4	98.3	98.1	97.4	97.9	98.0	97.5	93.5	98.6	78.3
Min	49.7	43.1	45.9	46.7	39.2	41.1	41.6	47.2	46.0	47.0	39.2	36.0	35.4	32.1	31.6	31.0	29.7	32.1	32.1	35.8	33.3	38.4	50.2	56.0	53.4	67.5	29.7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
January 2014

Day	<< Hour >>																								Tot	Max
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.010	0.040	0.030	0.040	0.020	0.030	0.030	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.220	0.040
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.010	0.000	0.020	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.050
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.140	0.130	0.140	0.150	0.560	0.150
14	0.170	0.140	0.050	0.020	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.410	0.170
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.000	0.030	0.020	0.020	0.010	0.020	0.010	0.000	0.010	0.010	0.000	0.000	0.010	0.160	0.030
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.020
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.040	0.030	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.130	0.040
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.170	0.140	0.070	0.060	0.060	0.090	0.030	0.070	0.090	0.050	0.030	0.020	0.030	0.020	0.030	0.010	0.040	0.010	0.000	0.010	0.150	0.130	0.140	0.160	1.610	0.000
Max	0.170	0.140	0.050	0.040	0.030	0.050	0.020	0.030	0.040	0.030	0.020	0.020	0.030	0.020	0.020	0.010	0.020	0.010	0.000	0.010	0.140	0.130	0.140	0.150	0.560	0.170

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
February 2014

Day	<< Hour >>																								Tot	Max
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.010
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.020	0.000	0.000	0.000	0.000	0.060	0.040
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.010	0.010	0.040	0.010
28	0.000	0.010	0.010	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010
Tot	0.000	0.010	0.010	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.030	0.010	0.010	0.010	0.010	0.140	0.000
Max	0.000	0.010	0.010	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.020	0.010	0.010	0.010	0.010	0.060	0.040

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
March 2014

Day	<< Hour >>																								Tot	Max
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.000	0.010	0.010	0.010	0.010	0.070	0.010
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
7	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.000	0.010	0.010	0.000	0.000	0.000	0.010	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.020
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.010	0.060	0.030	0.050	0.070	0.110	0.050	0.040	0.070	0.080	0.060	0.040	0.040	0.040	0.040	0.040	0.070	0.020	0.020	0.020	0.010	0.020	0.020	1.010	0.110
11	0.010	0.180	0.040	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.180
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	Au	Au	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.050	0.020	0.020	0.010	0.020	0.010	0.020	0.200	0.050
18	0.020	0.000	0.020	0.020	0.010	0.010	0.010	0.010	0.010	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.170	0.020
19	0.020	0.010	0.010	0.000	0.000	0.000	0.000	0.010	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.020
20	0.000	0.000	0.000	0.020	0.020	0.020	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.100	0.020
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010	0.000	0.020	0.020	0.020	0.090	0.020
27	0.010	0.000	0.010	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.020	0.020	0.010	0.020	0.000	0.010	0.150	0.020
28	0.010	0.010	0.010	0.010	0.010	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.010
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.030	0.100	0.120	0.110	0.090	0.070	0.060	0.040	0.030	0.030	0.020	0.710	0.120
30	0.000	0.010	0.020	0.020	0.010	0.010	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.090	0.020
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.070	0.220	0.170	0.120	0.110	0.150	0.160	0.110	0.080	0.100	0.090	0.080	0.040	0.070	0.150	0.180	0.220	0.230	0.170	0.130	0.090	0.110	0.110	0.120	3.080	0.000
Max	0.020	0.180	0.060	0.030	0.050	0.070	0.110	0.050	0.040	0.070	0.080	0.060	0.040	0.040	0.100	0.120	0.110	0.090	0.070	0.060	0.040	0.030	0.030	0.020	1.010	0.180

APPENDIX B: PERFORMANCE AUDIT REPORTS FIRST QUARTER 2014

BISON
ENGINEERING, INC.

Bison Engineering

Preliminary Meteorological Parameters Audit Form

Audit Dates: 03/12/2014 Audit Start Time : 10:20 MST Audit End Time : 14:30 MST
Client: Tintina Resources
Site: Black Butte
AUDITOR: Steve Heck STATION OPERATOR: Jeff Bell

Temperature

Audit Device
Met One 060A-2 temperature probe certified against Control Company - digital thermometer Model 4000
Meter S/N: 130236679
Last certified: 4/24/2013

Temperature bath results

Audit Value °C	9m DAS Value °C	9m DAS Diff. °C	2m DAS Value °C	2m DAS Diff. °C	9m - 2m DAS Diff °C
0.1	0.25	0.15	0.28	0.18	-0.03
16.6	16.66	0.06	16.70	0.10	-0.04
38.8	38.95	0.15	39.00	0.20	-0.05

Wind Direction

Sensor height: 9 Meter
Sensor (Make/model number): Climatronics/ WMIII
Serial Number : 1872
Crossarm orientation (from solar sighting): 1.5 / 181.5
Location used for solar calculation
N 46 deg 46 min, W 110 deg 53 min
Calculated sun azimuth at 1034 MST
143.4 degrees
Sensor response aligned with crossarm (as found): 0.3
Sensor response aligned with crossarm (as left): 0.3

Linearity Audit Device: Climatronics 101966, SN 70

Threshold Torque: 0.05 oz.-in.
(Waters Model 366-1 torque watch)

Linearity Check from DAS

Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	0.8	0.6	0.8	0.6
30	31.3	31.2	1.3	1.2
60	60.8	60.6	0.8	0.6
90	90.2	90.1	0.2	0.1
120	120.2	120.0	0.2	0.0
150	150.0	149.8	0.0	-0.2
180	180.0	180.0	0.0	0.0
210	210.3	210.0	0.3	0.0
240	240.1	239.9	0.1	-0.1
270	270.3	270.1	0.3	0.1
300	301.0	300.7	1.0	0.7
330	331.3	331.1	1.3	1.1
		Max Diff	**1.3**	**1.2**

Wind Speed

Sensor height: 9 Meter
Sensor (Make/model number): Climatronics/ WMIII
Serial Number : 1872
Calibration device: Weathertronics 300 rpm synchronous motor
Weathertronics 600 rpm synchronous motor

Synchronous motor checks

Threshold Torque: <0.003 oz.-in.
(Waters Model 366-3 torque watch)

Known Value RPM	Known Value m/s	DAS Value m/s	DAS Diff. m/s
0	0.22	0.22	0.00
300	6.66	6.65	-0.01
600	13.09	13.08	-0.01

Relative Humidity

Audit Device: Assmann Psychrometer, thermometer calibrations checked November 2013

Audit Dry-Bulb:	-0.9 deg C	BP = 24.54 in. Hg
Audit Wet-Bulb	-3.2 deg C	
Audit RH:	62.7	%RH
Station RH:	59.0	%RH
Diff:	-3.7	%RH

Barometric Pressure

Audit Device: Wallace & Tiernan Model FA185260, S/N LL03297.
Checked against Bison Mercury barometer (Butte) on 03/12/2014

Audit Value:	24.54	in Hg
Station Value:	24.59	in Hg
Diff:	0.05	in Hg

Solar Radiation

Audit Device: Eppley Pyranometer, SN 16166F3 (certified by Eppley August 2013)

Audit Value:	680 watts/m^2	657 watts/m^2
Station Value:	668 watts/m^2	658 watts/m^2
Diff.:	-1.8%	0.2%

Precipitation

Rain Gauge = Met One Model 375
Level checked OK
Wind Screen in place
8" opening

559 ml water added
Calibration is 8.24 ml per tip
Known audit value is 559 / 8.24 = 67.8 tips (so 67 full tips expected)

Unit registered 66 tips
% difference from expected = -1.7%

Signature Site Operator : _____

Signature Auditor : Steven R Hecla

TINTINA RESOURCES, INC.
BLACK BUTTE COPPER PROJECT AMBIENT AIR MONITORING PROGRAM
Quarterly Data Report
Second Quarter 2014

Prepared for:

Tintina Resources, Inc.
17 East Main St
White Sulphur Springs, MT 59645

Prepared by:

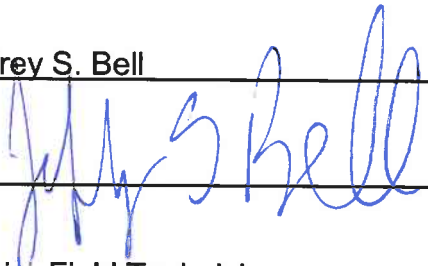
Bison Engineering, Inc.
1111 Maggie Lane
Billings, MT 59101
(406) 896-1716
http://www.bison-eng.com

August 15, 2014

CERTIFICATION OF DATA INTEGRITY

Bison Engineering, Inc., certifies the data in this report is an accurate summary of the air quality conditions measured at the Black Butte Copper Project air monitoring site. Every effort was made to obtain accurate and representative data and to comply with the procedures set forth in the project-specific *Quality Assurance Project Plan*, the *State of Montana Ambient Air Monitoring Program Quality Assurance Project Plan (April 2013)*, and the Environmental Protection Agency's *Quality Assurance Handbook for Air Pollution Measurement Systems: Volume I, A Field Guide to Environmental Quality Assurance (April 1994), Volume II, Ambient Air Quality Program (May 2013), and Volume IV, Meteorological Measurements (March 2008)*.

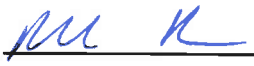
Preparer: Jeffrey S. Bell

Signature: 

Title: Senior Field Technician

Date: 7/31/14

Reviewer: Rebecca L. Picchioni, P.E.

Signature: 

Title: Project Engineer

Date: 8/2/14

TABLE OF CONTENTS

CERTIFICATION OF DATA INTEGRITY ii

1.0 INTRODUCTION 1

2.0 MONITORING SYSTEM OPERATIONS 3

3.0 CALIBRATION DATA 4

4.0 PERFORMANCE AUDIT DATA 5

5.0 DATA COMPLETENESS 6

6.0 MONITORING DATA 12

LIST OF TABLES

Table 1. Monthly Data Completeness 7
Table 2. Quarterly Data Completeness 10
Table 3. Periods of Missing Data 11
Table 4. Missing Data Codes 13
Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 14
Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 15
Table 7. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 16
Table 8. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower 17

LIST OF FIGURES

Figure 1. Monitoring Site Location 2
Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower 18
Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower 19
Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower 20
Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower 21

APPENDICES

Appendix A: Meteorological Data
Appendix B: Performance Audit Reports

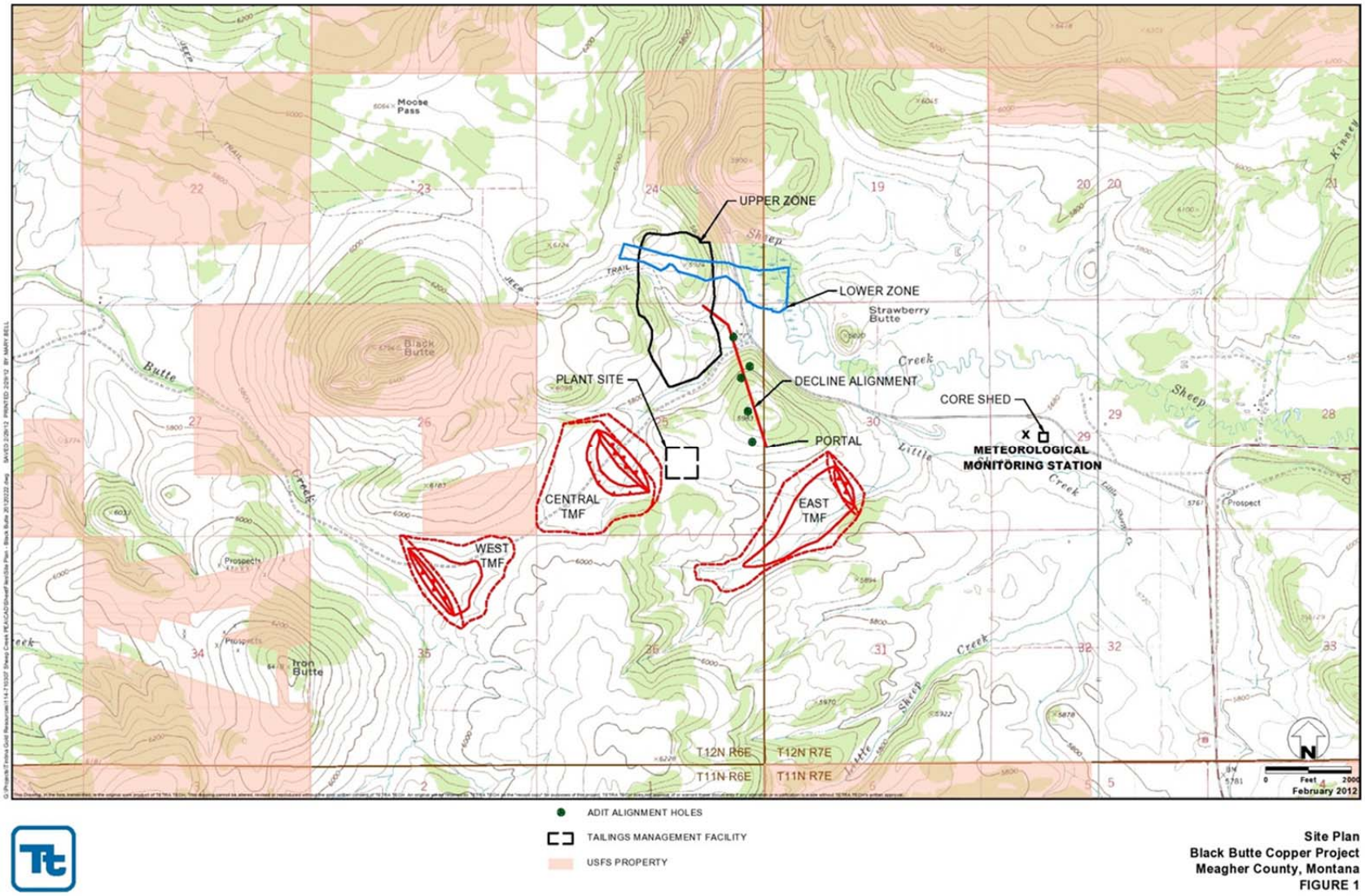
1.0 INTRODUCTION

Tintina Resources, Inc. established an ambient air monitoring site to measure wind speed, wind direction, standard deviation of wind direction, temperature at 9 meters and 2 meters, delta temperature, solar radiation, barometric pressure, and precipitation. The station was established to accurately characterize the local meteorology and collect baseline data in support of an operating permit application and various environmental studies.

The meteorological monitoring system was installed in April 2012. The site is operated by Bison Engineering, Inc., of Helena and Billings. Figure 1 shows the location of the monitoring site.

This report presents the data collected during the second quarter (April through June) of 2014. In addition, a description of the monitoring system operations is presented, together with summaries of quality assurance activities, including calibrations and performance audits. Tabular summaries of the data completeness achieved and the periods of missing data also are presented. Appendix A presents hourly meteorological data collected.

Figure 1. Monitoring Site Location



2.0 MONITORING SYSTEM OPERATIONS

The installation of the monitoring meteorological system equipment took place in April 2012, soon after the equipment was received from the manufacturers. The installation and calibration of the equipment required about two weeks to complete. All meteorological parameters were in full operation and producing valid data by April 30, 2012.

Jeff Bell of Bison Engineering, Inc. (Bison) conducted performance audits of the meteorological system at the site during June. All of the system audits produced results within the recommended tolerance limits. The Bison report of the audits is presented in Appendix B.

3.0 CALIBRATION DATA

There were no calibrations performed on the meteorological systems during the second quarter.

4.0 PERFORMANCE AUDIT DATA

Jeff Bell of Bison conducted performance audits of the meteorological system at the site during June. All of the system audits produced results within the recommended tolerance limits. The Bison report of the audits is presented in Appendix B.

5.0 DATA COMPLETENESS

The meteorological percentages of data recovery achieved during the second quarter of 2014 are given in Tables 1 and 2. In these tables, the number of possible data values during each month of the quarter is given, together with the number of valid readings and the number of hours spent on quality assurance activities (such as calibrations, performance audits, and maintenance on the sensors). The quality assurance hours are added to the number of hours of valid data to compute the net percentage data recovery.

During the second quarter the net data recovery was 92.8 percent for 2 meter temperature and delta temperature because the power cable to the 2 meter aspirator fan came loose in late June. The recovery for wind direction and wind direction standard deviation was 99.7 percent, due to brief vane icing episodes in April and May. The net data recovery for all other parameters was 100.0 percent. The net quarterly data recovery for the entire system was 98.5 percent.

Table 1. Monthly Data Completeness

April 2014					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	720	720	100.0	0	100.0
Wind Direction	720	719	99.9	0	99.9
Standard Deviation	720	719	99.9	0	99.9
Temperature 9 Meters	720	720	100.0	0	100.0
Temperature 2 Meters	720	720	100.0	0	100.0
Temperature Delta T	720	720	100.0	0	100.0
Solar Radiation	720	720	100.0	0	100.0
Barometric Pressure	720	720	100.0	0	100.0
Relative Humidity	720	720	100.0	0	100.0
Precipitation	720	720	100.0	0	100.0
Total	7,200	7,198	100.0	0	100.0

Table 1. Monthly Data Completeness (Continued)

May 2014					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	744	100.0	0	100.0
Wind Direction	744	738	99.2	0	99.2
Standard Deviation	744	738	99.2	0	99.2
Temperature 9 Meters	744	744	100.0	0	100.0
Temperature 2 Meters	744	744	100.0	0	100.0
Temperature Delta T	744	744	100.0	0	100.0
Solar Radiation	744	744	100.0	0	100.0
Barometric Pressure	744	744	100.0	0	100.0
Relative Humidity	744	744	100.0	0	100.0
Precipitation	744	744	100.0	0	100.0
Total	7,440	7,428	99.8	0	99.8

Table 1. Monthly Data Completeness (Continued)

June 2014					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	720	717	99.6	3	100.0
Wind Direction	720	717	99.6	3	100.0
Standard Deviation	720	717	99.6	3	100.0
Temperature 9 Meters	720	717	99.6	3	100.0
Temperature 2 Meters	720	560	77.8	3	78.2
Temperature Delta T	720	560	77.8	3	78.2
Solar Radiation	720	717	99.6	3	100.0
Barometric Pressure	720	717	99.6	3	100.0
Relative Humidity	720	717	99.6	3	100.0
Precipitation	720	717	99.6	3	100.0
Total	7,200	6,856	95.2	30	95.6

Table 2. Quarterly Data Completeness

Second Quarter 2014					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	2,184	2,181	99.9	3	100.0
Wind Direction	2,184	2,174	99.5	3	99.7
Standard Deviation	2,184	2,174	99.5	3	99.7
Temperature 9 Meters	2,184	2,181	99.9	3	100.0
Temperature 2 Meters	2,184	2,024	92.7	3	92.8
Temperature Delta T	2,184	2,024	92.7	3	92.8
Solar Radiation	2,184	2,181	99.9	3	100.0
Barometric Pressure	2,184	2,181	99.9	3	100.0
Relative Humidity	2,184	2,181	99.9	3	100.0
Precipitation	2,184	2,181	99.9	3	100.0
Total	21,840	21,482	98.4	30	98.5

Table 3. Periods of Missing Data

Second Quarter 2014						
Starting Date/Hour	Ending Date/Hour	Site	Parameter	Total Hours	Percent of Quarter	Circumstance
April 3/8	April 3/8	Met Tower	Wind direction & standard deviation	1	0.05	Vane icing
May 8/4	May 8/4	Met Tower	Wind direction & standard deviation	1	0.05	Vane icing
May 13/4	May 13/6	Met Tower	Wind direction & standard deviation	3	0.14	Vane icing
May 20/3	May 20/4	Met Tower	Wind direction & standard deviation	2	0.09	Vane icing
June 24/12	June 30/24	Met Tower	Two meter temperature	157	7.19	Missing data: Blower power failure
June 24/12	June 30/24	Met Tower	Delta temperature	157	7.19	Missing data: Blower power failure

6.0 MONITORING DATA

The hourly data values collected at the monitoring sites are given in the data tables in Appendix A. Each of these tables presents one month's data for one parameter in the monitoring system. In addition, the average, maximum, and minimum values for each parameter for each day are listed (for wind direction, the prevailing wind direction for the day is given). For those hours with missing data, a code is given that explains the reason the data were missing. These codes are given in Table 4.

Monthly and quarterly wind rose distributions from the monitoring site are presented in Tables 5 through 8. These tables give the percentage frequency of occurrence of winds from 16 cardinal directions and from 22 wind speed ranges. These same data are presented graphically in Figures 2 through 5. In the wind rose figures, the length of each "petal" of the rose is proportional to the percentage of time the wind blew from that direction. On the bottom of each figure is a histogram showing the average wind speed from each of the cardinal wind directions.

Table 4. Missing Data Codes

Mnemonic Code	Description	Equivalent EPA Null Value Reason Code
Sc	Scheduled but not collected	9972
Ti	Sample time out of limits	9973
Fi	Filter damage	9976
Op	Voided by operator	9978
ND	Machine malfunction	9980
Wx	Bad weather	9981
Co	Collection error	9983
Lb	Lab error	9984
QA	Poor quality assurance results	9985
Pwr	Power failure	9988
Wi	Wildlife damage	9989
AZ	Automatic zero/span check	9991
ZS	Manual zero/span check	9986
Au	Performance audit	9992
Ma	Routine maintenance/repairs	9993
Ca	Multipoint calibration	9995
PZ	Precision/zero/span	9998

Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

April 2014																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.0	1.4	1.3	0.7	1.5	1.3	0.6	0.6	0.6	0.3	0.1	0.0	0.3	0.3	0.4	0.8	11.0
	1.1 - 2.0	1.1	0.7	1.8	2.1	3.3	3.2	3.1	1.7	0.3	0.6	0.1	0.6	0.8	0.8	1.0	0.8	22.0
	2.1 - 3.0	0.4	0.4	0.4	1.9	2.4	1.7	1.3	1.1	0.1	0.1	0.3	1.1	0.3	1.8	1.0	0.8	15.2
	3.1 - 4.0	0.1	0.1	0.0	1.1	1.3	0.3	0.7	0.4	0.7	0.0	0.3	1.3	1.0	3.3	1.3	0.6	12.4
	4.1 - 5.0	0.3	0.0	0.0	0.1	0.6	0.0	0.4	0.1	0.0	0.1	0.1	1.0	2.4	1.8	1.5	0.4	8.9
	5.1 - 6.0	0.3	0.0	0.0	0.0	0.1	0.1	0.4	0.6	0.0	0.3	0.4	0.6	3.2	1.5	1.5	0.7	9.7
	6.1 - 7.0	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.3	0.4	2.6	1.3	0.8	0.3	6.4
	7.1 - 8.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.1	0.7	3.9	1.5	0.3	0.6	8.1
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.5	1.1	0.3	0.3	3.3
	9.1 - 10.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.1	0.3	0.4	1.9
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.4
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	3.9	3.1	3.5	6.0	9.2	6.5	6.7	4.9	1.7	1.7	1.8	5.7	17.7	13.8	8.3	5.7	100.0
	Average Speed	3.1	2.4	1.3	2.2	2.1	1.8	2.6	2.9	2.2	3.3	4.4	4.5	6.3	4.9	4.4	4.2	3.8

Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

May 2014																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	2.3	1.9	1.9	0.8	1.4	1.1	1.1	0.4	0.4	0.4	0.1	0.0	0.0	0.4	1.1	1.4	14.6
	1.1 - 2.0	0.9	1.2	2.7	3.3	3.1	2.8	2.3	1.2	1.4	0.4	0.3	1.1	0.3	0.7	1.6	1.1	24.4
	2.1 - 3.0	0.7	0.1	0.8	2.3	2.6	1.9	0.5	1.2	0.5	0.5	0.4	0.8	1.1	1.1	1.8	1.1	17.5
	3.1 - 4.0	0.5	0.0	0.1	1.8	1.4	0.4	0.8	0.8	0.3	0.3	0.4	1.4	1.9	1.5	1.2	0.8	13.6
	4.1 - 5.0	0.8	0.0	0.1	0.5	0.3	0.3	0.9	1.2	0.1	0.1	0.3	0.9	0.8	1.6	1.4	0.5	10.0
	5.1 - 6.0	0.8	0.8	0.1	0.4	0.3	0.0	0.5	0.7	0.0	0.3	0.1	0.7	2.3	1.8	1.6	0.7	11.1
	6.1 - 7.0	0.1	0.4	0.0	0.0	0.0	0.0	0.3	0.9	0.0	0.0	0.0	0.1	0.5	1.1	0.4	0.3	4.2
	7.1 - 8.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.1	1.2	1.4	0.1	0.1	4.1
	8.1 - 9.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
	9.1 - 10.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	6.8	5.0	5.8	9.1	8.9	6.5	6.5	7.0	2.7	2.0	1.6	5.1	8.1	9.5	9.2	6.0	100.0
	Average Speed	2.9	3.0	1.6	2.4	2.2	1.9	2.6	4.0	2.0	2.7	3.1	3.5	4.9	4.6	3.3	2.9	3.1

Table 7. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

June 2014																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.5	1.0	1.1	0.7	0.8	0.7	0.7	1.3	0.7	0.7	0.4	0.6	0.3	0.4	0.4	0.8	12.1
	1.1 - 2.0	0.8	0.7	1.4	3.5	3.5	4.9	3.5	1.3	0.4	0.1	0.4	0.4	0.8	1.3	1.1	1.0	25.1
	2.1 - 3.0	0.3	0.0	0.4	1.7	3.9	2.2	1.4	0.6	0.1	0.1	0.3	1.1	1.7	1.5	2.4	0.0	17.7
	3.1 - 4.0	0.0	0.1	0.1	0.3	0.6	0.7	0.8	1.4	0.3	0.0	0.4	1.3	1.8	2.9	1.4	0.4	12.6
	4.1 - 5.0	0.0	0.4	0.1	0.3	0.3	0.3	0.7	1.5	0.0	0.4	0.3	0.6	2.9	3.8	1.3	0.0	12.8
	5.1 - 6.0	0.1	0.3	0.0	0.0	0.0	0.1	0.0	1.0	0.0	0.1	0.3	1.0	2.0	2.1	1.4	0.0	8.4
	6.1 - 7.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.7	1.4	1.4	1.0	0.0	4.9
	7.1 - 8.0	0.0	0.1	0.0	0.0	0.0	0.0	0.6	0.1	0.0	0.0	0.0	0.6	0.1	0.6	0.3	0.0	2.4
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.2	0.4	0.0	0.0	2.8
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.1	0.3	0.1	0.0	0.0	1.0
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	2.9	2.6	3.2	6.4	9.1	8.9	7.8	7.5	1.7	1.5	2.1	6.4	13.8	14.5	9.2	2.2	100.0
	Average Speed	1.6	2.6	1.6	2.0	2.2	2.0	2.6	3.5	2.3	2.4	2.9	4.3	5.2	4.4	3.8	1.6	3.3

Table 8. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower

Second Quarter 2014																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.6	1.4	1.4	0.7	1.2	1.0	0.8	0.7	0.6	0.5	0.2	0.2	0.2	0.4	0.6	1.0	12.6
	1.1 - 2.0	1.0	0.9	2.0	2.9	3.3	3.6	2.9	1.4	0.7	0.4	0.3	0.7	0.6	0.9	1.2	1.0	23.8
	2.1 - 3.0	0.5	0.2	0.6	2.0	2.9	1.9	1.1	1.0	0.3	0.3	0.3	1.0	1.0	1.5	1.7	0.6	16.8
	3.1 - 4.0	0.2	0.1	0.1	1.1	1.1	0.5	0.8	0.9	0.4	0.1	0.4	1.3	1.6	2.6	1.3	0.6	12.8
	4.1 - 5.0	0.4	0.1	0.1	0.3	0.4	0.2	0.7	1.0	0.0	0.2	0.2	0.8	2.0	2.4	1.4	0.3	10.6
	5.1 - 6.0	0.4	0.4	0.0	0.1	0.1	0.1	0.3	0.7	0.0	0.2	0.3	0.7	2.5	1.8	1.5	0.5	9.8
	6.1 - 7.0	0.1	0.2	0.0	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.1	0.4	1.5	1.2	0.7	0.2	5.2
	7.1 - 8.0	0.3	0.1	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.1	0.0	0.5	1.7	1.1	0.2	0.2	4.8
	8.1 - 9.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	0.5	0.1	0.1	2.1
	9.1 - 10.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.1	1.1
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	4.6	3.6	4.2	7.2	9.1	7.3	7.0	6.5	2.0	1.7	1.8	5.7	13.2	12.6	8.9	4.6	100.0
	Average Speed	2.7	2.7	1.5	2.2	2.2	1.9	2.6	3.5	2.1	2.8	3.4	4.1	5.6	4.6	3.8	3.2	3.4

Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower

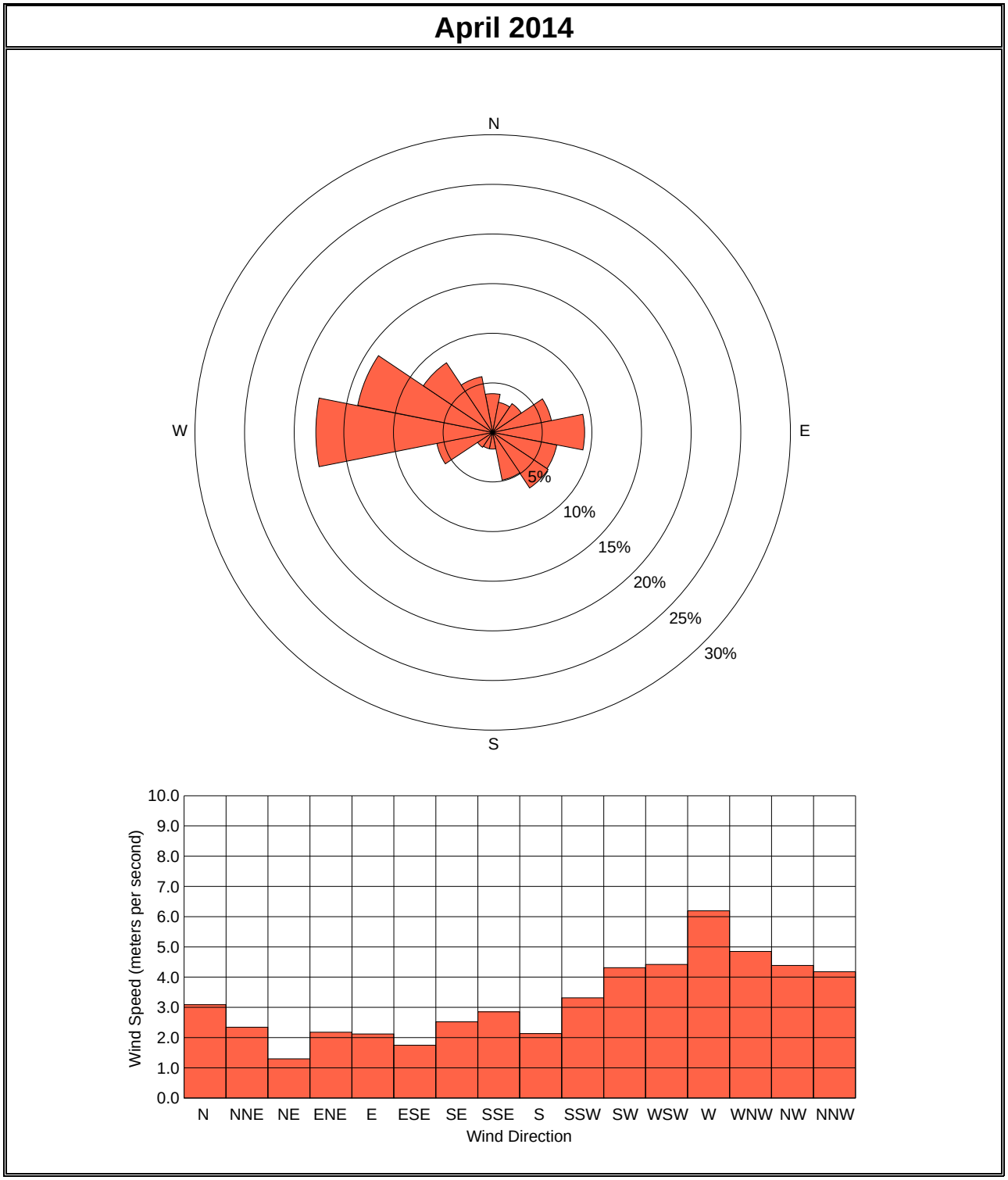


Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower

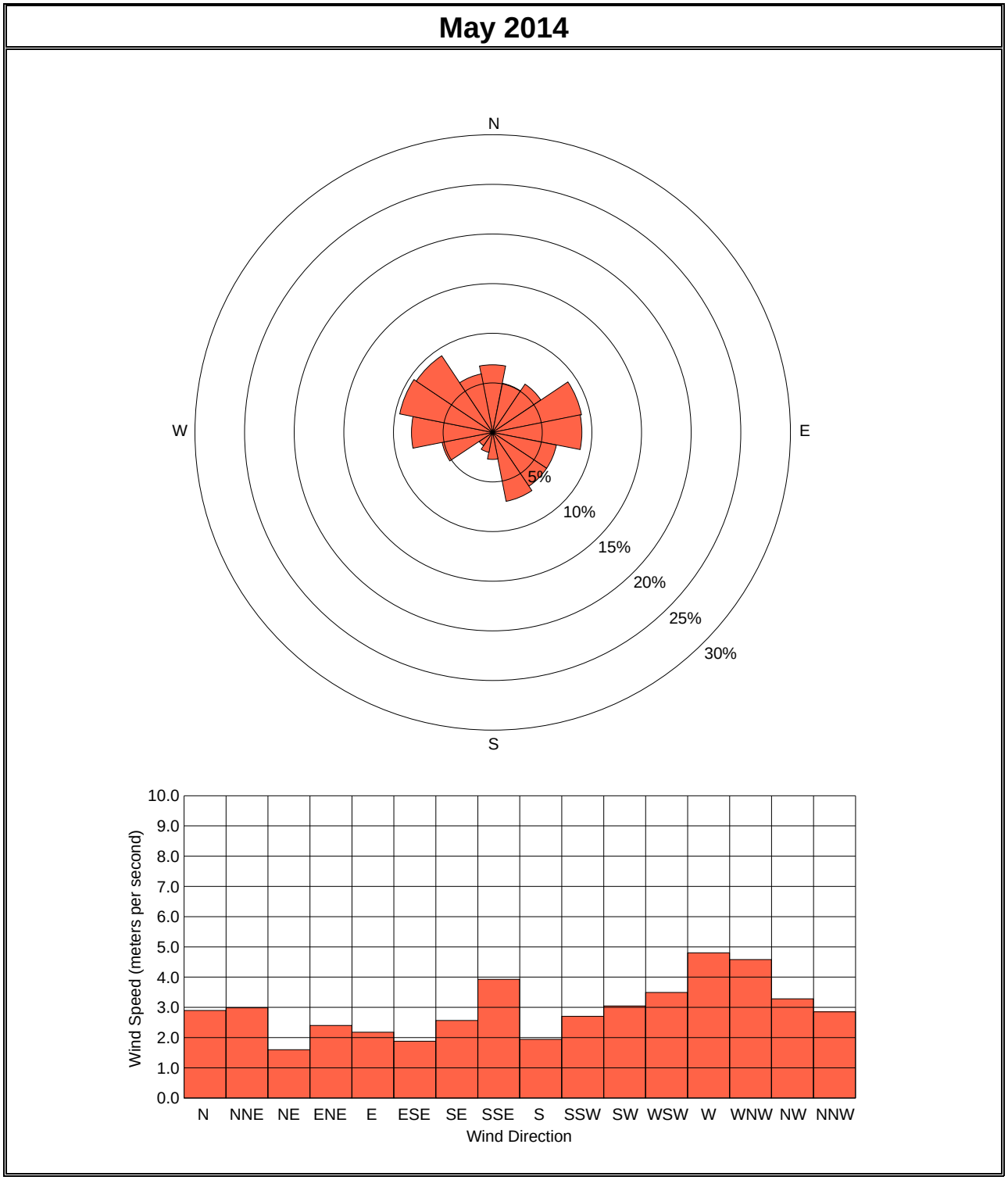


Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower

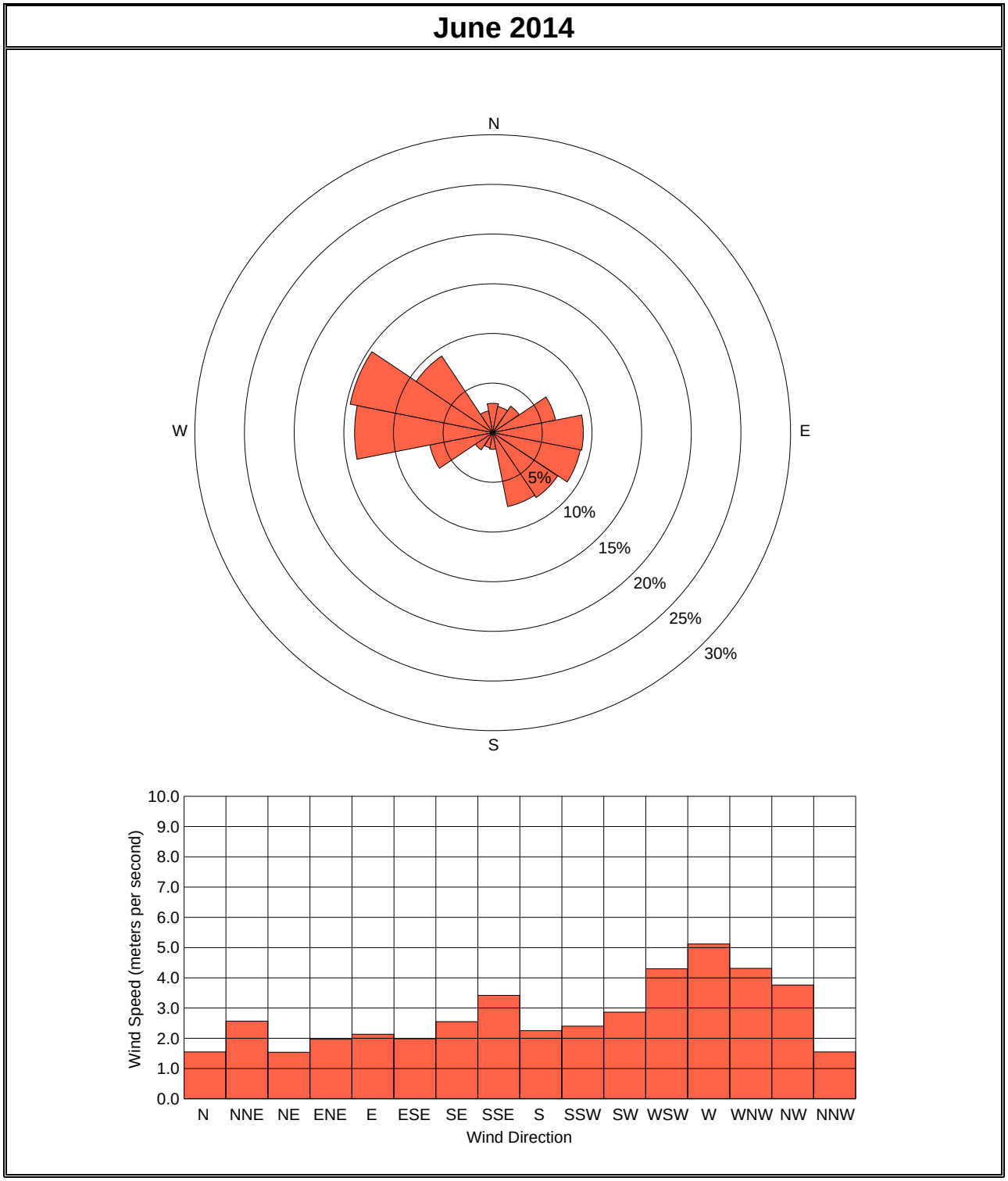
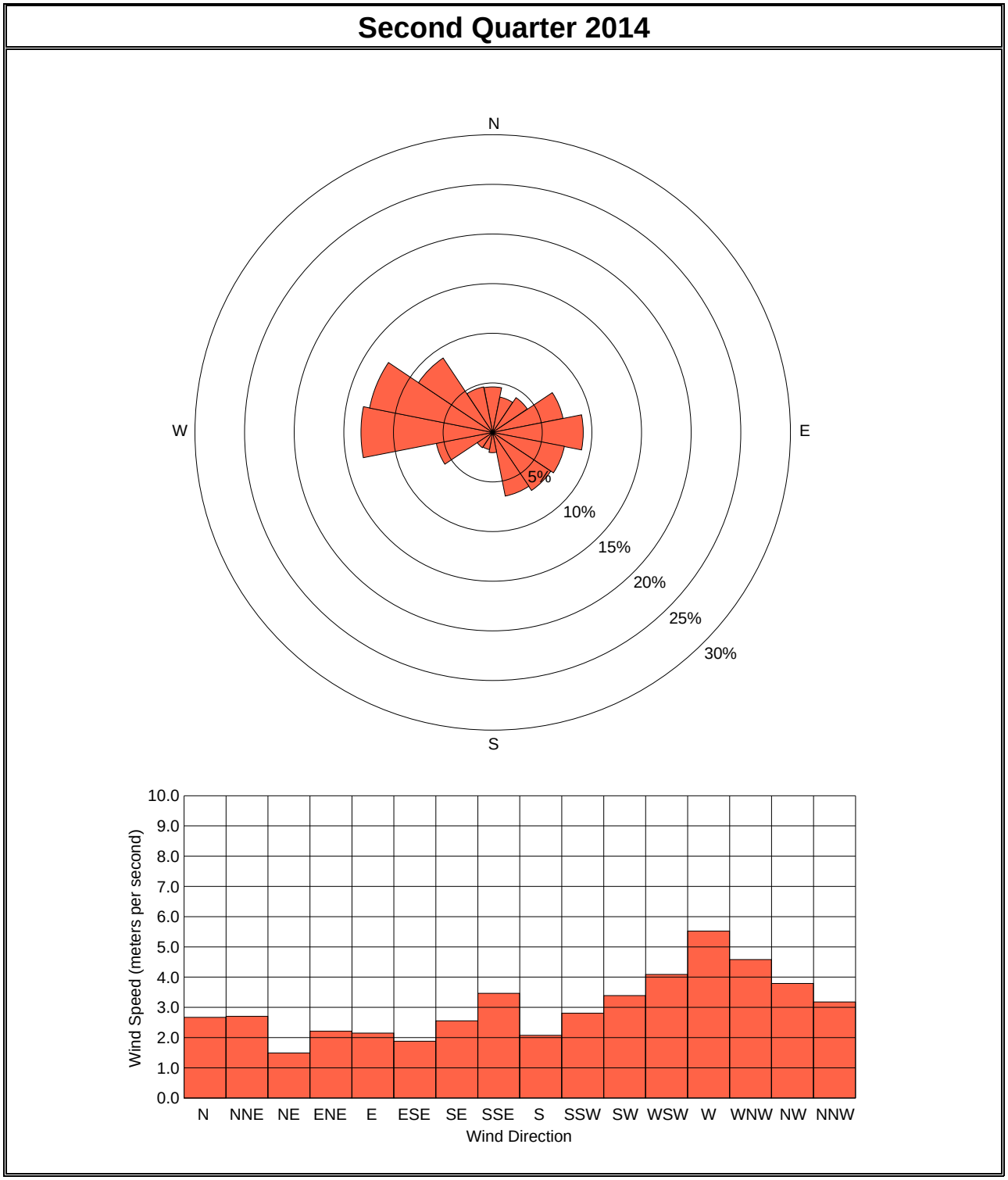


Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower



APPENDIX A: HOURLY AIR QUALITY AND METEOROLOGICAL DATA, SECOND QUARTER 2014

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
April 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.9	2.6	1.5	1.6	1.2	1.6	0.7	1.3	0.4	0.8	0.7	0.6	3.5	3.1	3.2	2.4	2.9	2.9	1.8	0.8	2.0	4.8	5.8	6.0	2.3	6.0	0.4
2	4.7	2.4	1.7	1.5	2.0	3.1	2.4	2.4	1.4	1.0	0.9	2.4	3.6	4.8	6.5	7.3	4.9	5.9	3.0	2.7	1.5	1.0	0.9	1.5	2.9	7.3	0.9
3	2.2	2.5	2.9	1.5	1.1	0.6	1.0	1.1	0.7	0.8	2.0	4.5	3.2	3.3	1.9	1.3	1.2	3.1	2.9	1.2	1.7	1.8	1.5	1.4	1.9	4.5	0.6
4	1.6	1.7	2.6	3.7	4.1	3.7	3.8	1.7	1.4	7.2	7.2	7.0	5.8	5.7	3.4	3.3	3.4	5.2	2.3	3.5	3.6	1.8	1.4	1.1	3.6	7.2	1.1
5	2.9	3.0	1.2	1.3	1.7	1.9	0.8	1.6	4.4	6.2	8.5	7.8	7.5	7.7	8.2	7.2	6.8	7.2	5.5	6.4	4.6	2.0	0.8	0.5	4.4	8.5	0.5
6	0.7	0.5	3.5	4.2	2.3	1.0	1.6	2.0	4.3	6.7	7.9	9.8	9.7	9.2	9.0	6.2	9.4	6.2	5.7	5.7	6.9	4.7	3.5	1.7	5.1	9.8	0.5
7	0.8	0.7	1.1	2.7	3.1	2.2	1.2	0.3	0.6	1.2	7.0	7.2	8.2	8.7	7.8	8.5	6.9	6.5	5.6	4.3	1.8	2.5	3.4	2.7	4.0	8.7	0.3
8	2.2	1.9	1.7	1.3	1.1	0.8	0.8	1.3	0.8	0.7	0.8	1.0	3.8	3.1	3.4	6.7	6.2	5.6	2.9	2.2	2.1	1.5	2.1	0.9	2.3	6.7	0.7
9	0.9	1.2	2.0	1.5	2.6	3.9	4.9	6.7	7.4	8.0	8.5	8.4	7.1	6.1	7.7	8.3	7.8	7.0	5.1	5.9	5.6	4.6	1.9	1.3	5.2	8.5	0.9
10	1.9	1.5	2.2	1.6	1.5	0.9	1.9	3.5	6.9	7.6	6.8	7.3	7.6	7.5	7.5	7.5	7.2	6.8	4.9	1.4	1.9	2.3	2.0	1.4	4.2	7.6	0.9
11	1.4	1.6	1.5	1.9	1.5	1.3	1.0	0.5	0.8	0.7	6.5	10.3	11.0	9.6	8.4	6.5	6.5	4.9	5.9	4.8	5.6	4.3	1.9	1.9	4.2	11.0	0.5
12	0.6	3.6	3.5	3.8	2.4	3.6	1.9	3.4	3.4	3.7	4.7	5.1	4.9	5.8	4.9	4.0	7.3	7.1	3.8	2.5	1.9	2.0	2.9	3.1	3.7	7.3	0.6
13	1.4	1.9	1.6	1.4	1.0	0.9	0.7	0.8	1.8	3.0	3.4	3.3	6.7	9.6	9.6	9.2	9.1	7.4	7.6	4.2	2.3	1.9	3.4	3.4	4.0	9.6	0.7
14	3.4	3.6	2.2	1.1	1.5	0.5	0.4	0.8	0.6	1.2	5.1	5.0	5.3	5.5	5.0	4.4	5.5	5.0	3.0	1.7	1.6	2.3	2.3	2.4	2.9	5.5	0.4
15	1.6	1.7	2.2	4.2	2.4	1.5	1.4	4.3	5.0	4.0	6.1	7.7	7.5	8.8	8.0	4.9	6.4	5.2	6.4	5.3	3.0	4.0	2.7	3.8	4.5	8.8	1.4
16	4.9	3.5	1.2	0.8	1.2	1.0	0.6	0.5	0.5	2.1	3.2	4.7	3.1	2.4	2.0	2.1	4.0	2.6	1.3	0.9	1.6	2.3	2.6	1.5	2.1	4.9	0.5
17	1.7	1.4	1.0	0.7	0.8	0.7	0.9	0.5	0.8	1.4	2.8	1.7	2.8	3.8	3.2	2.7	4.0	5.4	2.8	4.2	1.9	2.7	5.1	2.7	2.3	5.4	0.5
18	2.1	3.0	2.6	5.3	3.0	1.7	2.2	0.9	1.1	1.1	2.6	5.8	5.6	11.6	8.3	11.0	11.8	12.0	9.1	6.5	5.5	4.1	3.7	3.7	5.2	12.0	0.9
19	4.6	2.8	2.0	1.5	2.9	3.5	1.8	0.8	1.0	1.5	4.2	4.8	5.2	6.5	5.3	4.2	3.0	1.3	0.7	2.3	3.4	2.6	1.5	1.2	2.9	6.5	0.7
20	0.7	3.5	5.4	7.3	7.2	5.8	7.5	7.3	8.0	7.7	7.1	7.8	7.3	8.4	8.9	8.5	7.6	7.1	6.0	3.3	1.9	3.2	2.3	1.7	5.9	8.9	0.7
21	1.2	0.9	1.1	1.0	0.8	1.6	1.2	1.1	0.9	1.2	1.3	1.3	1.8	3.7	3.5	4.0	3.5	3.1	3.8	5.3	6.7	6.7	6.4	7.7	2.9	7.7	0.8
22	4.9	2.1	2.4	2.5	2.5	2.6	2.0	1.5	1.9	3.1	3.3	5.1	5.5	4.9	5.8	7.7	3.9	4.7	2.6	4.6	3.8	3.5	0.6	2.0	3.5	7.7	0.6
23	3.4	5.5	6.8	7.7	4.5	4.3	5.2	7.0	7.2	8.4	8.8	8.7	8.2	10.3	11.0	9.2	8.2	6.4	5.4	5.6	7.2	5.5	5.1	4.1	6.8	11.0	3.4
24	4.4	3.1	2.6	1.5	2.9	2.6	1.1	1.2	2.6	4.3	5.1	6.0	6.9	7.3	5.2	4.9	4.7	2.5	4.9	4.0	3.1	2.8	1.8	1.2	3.6	7.3	1.1
25	0.8	1.2	1.2	1.4	1.5	1.5	2.5	2.0	1.5	1.8	1.8	2.9	2.9	2.7	1.5	2.4	5.5	3.9	3.0	4.4	4.0	4.2	3.9	2.7	2.5	5.5	0.8
26	2.3	1.8	1.9	2.3	2.6	1.2	1.3	3.1	2.9	2.0	3.2	5.5	5.8	6.0	6.7	6.8	7.1	5.5	4.4	2.9	2.1	3.6	3.9	3.4	3.7	7.1	1.2
27	2.6	2.3	2.4	2.0	1.0	0.7	1.4	3.5	5.4	4.7	5.7	7.0	7.0	6.6	5.5	7.0	5.8	5.7	5.1	2.9	1.9	1.4	4.2	5.0	4.0	7.0	0.7
28	5.2	5.2	3.2	4.0	4.7	2.0	2.2	5.6	7.2	8.0	7.8	7.9	7.9	8.3	9.2	8.0	9.1	8.1	6.3	3.6	4.4	4.4	5.0	3.5	5.9	9.2	2.0
29	2.5	2.2	2.1	1.4	2.4	1.5	3.7	4.2	5.9	6.8	7.8	6.4	7.8	9.4	7.4	7.5	9.0	8.4	5.9	5.0	1.9	2.2	2.2	1.2	4.8	9.4	1.2
30	0.8	1.4	1.0	0.7	1.0	0.8	0.6	0.7	2.0	5.7	6.3	5.8	4.9	5.5	5.3	4.9	5.6	5.3	3.4	2.4	3.7	2.6	2.5	2.3	3.1	6.3	0.6
Avg	2.3	2.3	2.3	2.4	2.3	2.0	2.0	2.4	3.0	3.8	4.9	5.6	5.9	6.5	6.1	6.0	6.1	5.6	4.4	3.7	3.3	3.1	2.9	2.6	3.8	7.8	0.9
Max	5.2	5.5	6.8	7.7	7.2	5.8	7.5	7.3	8.0	8.4	8.8	10.3	11.0	11.6	11.0	11.0	11.8	12.0	9.1	6.5	7.2	6.7	6.4	7.7	6.8	12.0	3.4
Min	0.6	0.5	1.0	0.7	0.8	0.5	0.4	0.3	0.4	0.7	0.7	0.6	1.8	2.4	1.5	1.3	1.2	1.3	0.7	0.8	1.5	1.0	0.6	0.5	1.9	4.5	0.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
May 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.4	0.8	1.2	0.5	1.3	0.6	0.5	0.5	1.0	4.5	6.0	6.3	6.7	6.1	5.2	5.2	5.7	5.6	3.5	2.1	4.3	4.4	3.1	1.8	3.3	6.7	0.5
2	1.9	1.8	1.4	1.1	1.2	1.3	1.0	0.8	5.2	7.2	7.5	7.5	7.2	8.0	7.5	5.3	4.8	4.7	5.8	3.3	1.5	1.8	1.8	1.4	3.8	8.0	0.8
3	0.8	0.8	0.8	0.9	1.4	0.9	1.2	1.6	5.4	7.5	6.9	6.6	6.9	6.7	6.9	7.5	7.9	7.9	5.8	3.8	5.0	3.6	2.0	1.4	4.2	7.9	0.8
4	1.0	1.2	1.7	2.1	0.7	2.4	1.9	2.1	1.2	2.3	1.1	3.0	6.2	7.0	3.3	3.0	3.2	4.4	3.8	1.3	2.3	3.1	2.1	3.1	2.6	7.0	0.7
5	1.9	2.2	2.2	1.5	2.9	1.5	1.0	1.5	1.0	3.2	5.5	6.2	7.2	5.0	3.0	4.2	5.2	2.7	2.2	1.3	2.3	0.7	2.0	1.7	2.8	7.2	0.7
6	1.6	1.8	1.4	0.8	0.5	0.8	1.0	1.2	1.9	4.5	5.8	5.0	9.3	8.5	8.7	6.0	5.1	4.3	5.3	5.3	3.7	2.1	3.4	4.6	3.9	9.3	0.5
7	4.0	5.2	5.2	1.5	0.8	1.3	3.4	1.8	1.7	1.8	2.1	5.5	4.3	1.6	1.5	2.0	2.5	4.9	4.9	4.6	2.4	0.6	0.7	0.6	2.7	5.5	0.6
8	1.3	2.0	1.8	1.4	1.7	0.7	0.8	0.5	1.2	4.3	4.2	4.5	5.6	5.6	5.8	5.1	5.4	5.3	4.2	2.1	3.4	3.4	3.4	2.3	3.2	5.8	0.5
9	1.6	1.5	1.4	1.2	0.8	0.6	0.4	0.6	2.2	3.3	2.7	3.8	4.0	5.5	6.6	7.9	5.5	7.2	6.4	5.3	3.6	0.7	1.0	1.5	3.1	7.9	0.4
10	1.3	1.3	1.6	1.1	0.8	0.8	0.6	2.5	5.0	5.2	5.5	5.8	7.2	7.4	7.5	7.5	6.5	5.2	4.1	3.1	3.0	5.3	1.9	0.8	3.8	7.5	0.6
11	0.9	0.9	1.1	2.9	1.7	1.3	2.9	2.9	4.8	4.3	4.8	4.7	5.0	6.3	5.9	5.1	5.2	3.9	3.2	3.3	1.3	2.0	1.3	1.1	3.2	6.3	0.9
12	1.2	0.9	1.2	0.9	0.6	1.8	2.0	1.0	1.7	2.4	3.3	2.9	3.4	5.4	5.7	4.4	5.5	5.7	5.1	3.4	2.0	2.9	1.3	0.8	2.7	5.7	0.6
13	0.6	0.5	0.4	0.3	0.4	0.5	0.3	0.7	1.9	5.6	5.9	5.6	5.6	6.2	6.5	5.9	6.2	5.9	6.9	2.9	2.7	3.4	2.4	1.0	3.3	6.9	0.3
14	1.5	0.5	0.3	1.0	0.3	0.7	0.9	0.7	1.8	4.3	5.1	4.1	3.9	4.8	5.0	4.9	5.0	4.5	4.0	2.0	2.5	4.0	3.7	1.8	2.8	5.1	0.3
15	2.7	2.6	1.5	0.9	1.3	0.5	0.5	0.4	2.0	4.0	5.5	5.7	7.4	7.3	7.2	6.5	5.2	5.7	6.7	3.5	9.7	4.1	5.9	2.3	4.1	9.7	0.4
16	2.8	0.9	1.5	3.0	2.2	1.0	1.2	1.1	1.1	1.4	2.4	2.9	2.0	2.7	5.6	2.9	1.5	3.2	3.2	3.5	1.8	1.8	2.5	1.3	2.2	5.6	0.9
17	1.3	2.3	2.2	2.2	1.9	1.3	1.4	1.1	1.8	1.9	2.0	1.9	2.9	4.6	4.7	4.3	4.2	3.6	3.2	4.1	4.4	2.0	1.6	2.4	2.6	4.7	1.1
18	2.2	2.0	2.1	2.3	2.1	1.6	0.7	1.1	2.6	2.3	3.7	5.1	2.8	5.1	2.3	1.1	1.7	3.0	3.1	2.2	1.1	1.2	1.3	1.5	2.3	5.1	0.7
19	1.1	1.1	0.7	1.2	0.7	0.8	2.6	5.3	4.9	5.7	5.6	7.1	7.6	7.8	5.2	7.1	7.3	6.5	4.3	3.9	1.2	1.8	2.2	1.9	3.9	7.8	0.7
20	0.7	0.7	0.9	0.8	1.0	0.7	0.6	0.7	1.0	2.0	2.8	2.7	3.5	3.8	3.1	4.0	3.1	4.0	4.5	4.0	4.8	5.3	1.4	0.8	2.4	5.3	0.6
21	0.7	1.1	0.7	1.2	0.7	0.9	0.7	0.6	1.6	2.8	3.6	2.0	2.3	2.7	2.3	3.1	1.9	2.6	2.3	4.6	2.4	2.8	3.8	4.2	2.1	4.6	0.6
22	2.4	2.6	2.6	3.6	2.7	1.7	1.1	0.9	1.1	1.7	2.5	4.0	4.0	3.0	3.4	3.7	3.7	3.1	2.8	1.5	5.3	5.1	5.1	2.7	2.9	5.3	0.9
23	2.4	2.1	1.7	2.1	1.8	1.4	0.9	0.7	0.9	1.4	3.5	5.5	4.5	4.0	4.5	5.3	3.4	3.2	5.1	2.4	1.8	3.4	2.4	2.3	2.8	5.5	0.7
24	4.0	3.6	1.8	1.4	1.0	1.3	1.1	0.9	1.4	2.1	2.5	2.0	3.5	6.7	5.8	5.0	6.2	4.1	2.8	2.9	2.6	1.9	1.6	3.2	2.9	6.7	0.9
25	3.3	2.6	1.5	0.7	0.5	0.5	0.5	0.7	1.5	2.9	3.3	3.6	3.1	3.9	3.9	3.7	2.5	2.2	2.1	1.3	2.9	1.1	1.7	1.8	2.2	3.9	0.5
26	1.4	1.8	1.2	1.8	1.8	1.6	0.9	1.0	3.0	2.4	3.8	2.2	4.2	5.3	6.0	4.9	3.3	2.8	3.6	4.7	1.9	4.6	2.5	1.2	2.8	6.0	0.9
27	1.3	0.9	0.8	1.3	1.0	1.1	1.1	0.8	1.4	2.1	4.9	4.6	3.6	2.7	2.7	2.5	5.8	4.2	2.6	3.5	3.1	2.4	1.3	1.5	2.4	5.8	0.8
28	1.0	1.2	2.4	3.4	6.9	5.3	5.4	5.5	6.5	4.7	2.9	2.0	3.0	3.7	5.5	6.7	4.3	2.7	3.3	5.2	3.7	3.1	4.0	3.5	4.0	6.9	1.0
29	4.7	2.6	4.5	5.0	6.8	6.7	5.3	3.0	4.2	5.4	6.5	8.0	7.7	8.0	7.9	5.3	5.5	5.0	4.1	2.5	2.1	2.7	2.7	2.4	4.9	8.0	2.1
30	2.1	2.2	1.5	1.3	1.4	1.3	0.7	1.2	6.4	4.6	3.6	3.6	3.3	3.8	3.5	3.0	4.6	4.3	4.1	3.8	3.2	2.1	1.5	2.2	2.9	6.4	0.7
31	3.4	2.9	0.7	1.2	0.7	1.2	0.8	1.0	1.8	4.2	2.0	1.3	1.8	3.4	3.8	4.1	7.7	5.4	2.4	1.0	0.8	2.8	1.9	1.1	2.4	7.7	0.7
Avg	1.9	1.8	1.6	1.6	1.6	1.4	1.4	1.4	2.6	3.6	4.1	4.4	4.8	5.2	5.0	4.7	4.7	4.4	4.0	3.2	3.0	2.8	2.4	1.9	3.1	6.5	0.7
Max	4.7	5.2	5.2	5.0	6.9	6.7	5.4	5.5	6.5	7.5	7.5	8.0	9.3	8.5	8.7	7.9	7.9	7.9	6.9	5.3	9.7	5.3	5.9	4.6	4.9	9.7	2.1
Min	0.6	0.5	0.3	0.3	0.3	0.5	0.3	0.4	0.9	1.4	1.1	1.3	1.8	1.6	1.5	1.1	1.5	2.2	2.1	1.0	0.8	0.6	0.7	0.6	2.1	3.9	0.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
June 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.9	1.0	1.3	0.7	0.8	0.7	0.6	0.8	1.9	3.1	3.6	2.3	2.6	5.2	4.4	2.4	4.5	2.1	1.7	1.3	1.7	2.2	2.8	2.1	2.1	5.2	0.6
2	2.0	1.4	1.2	1.7	1.3	1.2	0.6	0.9	1.0	1.7	2.5	3.0	2.9	5.2	3.5	3.0	3.5	3.6	3.6	2.0	2.5	2.8	2.9	2.4	2.3	5.2	0.6
3	2.0	1.8	1.5	1.0	0.9	0.6	0.7	0.7	3.2	3.4	3.7	4.6	7.0	6.3	6.4	5.5	6.8	6.3	7.5	4.8	1.1	2.1	1.6	1.4	3.4	7.5	0.6
4	2.1	2.3	2.0	1.9	1.5	1.1	3.0	5.6	5.6	5.6	6.8	7.3	5.2	6.4	6.0	5.9	5.6	5.3	4.2	2.5	1.7	2.4	2.7	2.2	4.0	7.3	1.1
5	1.7	1.2	1.6	1.1	1.1	0.7	0.7	2.3	5.7	5.3	5.4	5.2	4.6	4.5	4.4	5.0	6.7	6.5	5.0	4.3	3.1	2.8	1.1	1.6	3.4	6.7	0.7
6	0.8	1.0	1.3	3.0	4.1	3.5	4.3	3.3	3.6	4.1	2.6	2.7	2.8	4.8	4.6	4.5	2.7	5.7	5.8	5.4	5.2	4.6	3.2	3.3	3.6	5.8	0.8
7	2.0	1.3	1.2	1.1	1.5	0.9	0.6	0.9	2.1	1.9	4.0	4.9	4.9	1.8	4.4	4.8	3.9	5.4	5.1	4.8	3.5	1.9	2.2	1.4	2.8	5.4	0.6
8	0.9	1.0	0.6	1.1	1.0	1.0	1.4	0.9	1.6	2.7	3.5	3.6	3.7	4.4	4.9	4.7	4.4	3.3	2.8	2.1	1.6	2.3	2.0	1.9	2.4	4.9	0.6
9	2.1	1.8	1.6	0.9	1.7	0.8	0.8	1.5	5.8	6.6	6.9	7.2	8.4	8.4	8.9	8.3	8.6	7.7	7.1	4.7	3.5	1.8	3.8	2.6	4.6	8.9	0.8
10	2.2	1.4	2.0	1.8	1.7	1.0	0.6	0.8	2.7	2.7	3.5	4.0	4.4	4.5	5.1	4.5	3.8	6.2	6.0	3.6	6.1	4.9	1.6	2.8	3.2	6.2	0.6
11	2.8	2.9	1.8	1.0	1.4	0.7	0.8	1.1	4.4	4.2	4.0	5.7	6.1	6.6	7.0	6.1	5.3	3.8	2.1	4.1	2.9	2.3	1.6	1.5	3.3	7.0	0.7
12	2.3	2.2	2.3	1.7	2.3	2.3	5.5	7.9	9.4	9.5	7.8	7.7	8.0	7.5	6.3	5.4	4.8	4.3	3.9	3.1	4.0	2.5	2.7	1.3	4.8	9.5	1.3
13	1.2	3.1	3.5	3.6	3.3	1.2	2.5	4.2	1.5	1.9	3.0	4.8	8.3	4.6	7.1	6.3	4.5	3.6	4.2	4.9	3.6	1.9	1.7	2.2	3.6	8.3	1.2
14	2.0	1.5	2.0	1.7	3.6	1.3	1.2	4.6	5.6	6.5	5.0	5.0	6.0	4.7	4.6	5.5	5.2	2.8	4.7	2.1	1.9	1.4	1.0	1.0	3.4	6.5	1.0
15	1.5	0.8	0.7	1.0	0.8	1.0	0.9	2.7	3.9	3.0	4.5	5.2	5.3	5.6	4.6	3.0	3.2	4.2	2.7	3.3	3.6	2.3	2.2	1.2	2.8	5.6	0.7
16	2.1	1.7	3.0	2.3	1.2	1.0	2.7	1.1	1.8	2.9	2.4	1.6	1.3	4.2	2.7	2.3	3.8	3.8	4.3	3.4	2.1	0.9	0.7	0.7	2.2	4.3	0.7
17	1.4	1.4	0.9	0.5	0.8	0.8	0.9	2.8	4.2	4.9	6.3	5.9	6.2	6.2	5.2	5.2	3.6	3.5	3.7	4.6	3.2	0.9	1.2	1.2	3.1	6.3	0.5
18	2.0	1.8	2.1	2.2	1.8	2.2	3.1	4.7	4.2	5.5	4.7	5.2	4.8	5.0	2.4	2.4	5.7	4.0	4.0	3.4	3.4	3.8	4.4	4.9	3.7	5.7	1.8
19	1.5	1.3	2.7	1.5	1.6	1.6	1.1	1.0	3.6	7.7	7.5	5.9	5.6	5.5	4.4	6.5	7.0	6.5	3.4	1.9	1.9	2.4	2.0	1.3	3.6	7.7	1.0
20	2.2	1.5	2.3	2.1	1.3	0.9	1.4	1.3	6.0	7.0	6.2	4.5	3.4	8.0	7.4	4.0	1.2	1.6	9.1	5.7	4.6	1.0	2.2	2.4	3.6	9.1	0.9
21	1.7	2.1	1.0	0.9	1.1	0.7	0.9	1.2	2.6	4.3	4.4	3.9	3.4	3.2	3.7	3.4	3.6	3.7	4.5	2.3	2.0	1.5	1.3	1.5	2.5	4.5	0.7
22	2.7	2.9	1.8	1.1	1.7	1.2	1.0	3.9	4.5	6.3	5.7	4.3	4.7	5.2	2.6	4.8	2.9	2.6	1.5	1.2	1.9	1.4	1.7	1.8	2.9	6.3	1.0
23	1.1	1.0	0.7	1.1	1.4	1.0	0.6	0.7	0.8	1.3	2.4	4.6	4.8	3.6	5.3	2.5	3.2	1.7	0.9	1.3	1.6	2.3	2.4	2.3	2.0	5.3	0.6
24	1.9	1.9	1.6	1.8	1.5	1.2	0.6	0.7	Au	Au	Au	4.0	4.1	3.4	4.8	4.1	4.5	2.8	3.4	2.1	3.7	3.4	2.7	1.2	2.6	4.8	0.6
25	1.2	2.9	1.7	2.0	2.3	1.6	1.4	0.6	2.6	2.9	2.7	3.8	3.9	4.2	3.7	3.4	2.8	1.4	3.8	4.8	1.5	2.0	1.7	1.4	2.5	4.8	0.6
26	1.7	1.5	1.5	1.2	1.3	2.2	2.7	0.9	1.1	2.1	1.2	1.0	1.7	4.2	4.6	2.8	3.1	2.3	3.6	1.3	0.9	2.6	2.1	2.0	2.1	4.6	0.9
27	1.2	1.0	0.8	1.0	0.9	0.6	0.8	2.3	3.7	4.8	5.3	4.7	3.0	3.2	2.0	3.5	3.7	4.4	3.0	6.0	1.3	1.7	1.3	1.2	2.6	6.0	0.6
28	1.8	3.0	1.6	1.1	0.7	0.7	1.9	4.3	6.5	6.5	8.4	9.0	8.4	8.1	9.5	8.6	8.0	7.1	8.1	8.2	8.5	3.8	2.8	1.6	5.3	9.5	0.7
29	2.5	2.8	2.3	1.9	1.6	3.1	6.0	8.8	9.9	8.4	8.3	10.5	10.4	9.8	9.5	8.5	8.3	8.1	6.4	6.5	6.1	5.5	2.9	3.0	6.3	10.5	1.6
30	4.1	1.8	1.3	0.9	0.6	0.8	1.1	2.6	3.9	5.9	5.2	5.9	4.8	5.9	6.6	5.2	5.2	5.3	4.8	4.3	1.8	1.8	1.7	1.5	3.5	6.6	0.6
Avg	1.9	1.8	1.7	1.5	1.6	1.3	1.7	2.5	3.9	4.6	4.7	4.9	5.0	5.3	5.2	4.7	4.7	4.3	4.4	3.7	3.0	2.4	2.1	1.9	3.3	6.5	0.8
Max	4.1	3.1	3.5	3.6	4.1	3.5	6.0	8.8	9.9	9.5	8.4	10.5	10.4	9.8	9.5	8.6	8.6	8.1	9.1	8.2	8.5	5.5	4.4	4.9	6.3	10.5	1.8
Min	0.8	0.8	0.6	0.5	0.6	0.6	0.6	0.6	0.8	1.3	1.2	1.0	1.3	1.8	2.0	2.3	1.2	1.4	0.9	1.2	0.9	0.9	0.7	0.7	2.0	4.3	0.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
April 2014

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	106	111	131	132	91	94	22	140	352	118	189	328	264	285	306	5	13	332	312	207	114	150	140	148	102
2	145	133	90	59	61	79	56	50	14	49	22	244	254	260	257	262	311	310	318	335	325	217	85	117	15
3	86	67	78	13	137	357	13	Wx	29	86	296	255	175	250	238	44	113	220	161	141	137	137	114	133	111
4	138	117	120	90	89	76	93	128	57	201	198	221	227	198	249	293	266	154	130	190	246	148	58	162	155
5	287	248	49	356	38	97	15	235	262	269	273	255	262	271	284	273	269	273	271	275	275	248	151	180	272
6	275	340	265	260	284	298	273	279	262	263	272	271	278	277	283	316	306	325	304	301	301	291	291	212	285
7	59	333	94	74	70	107	78	38	163	119	283	278	288	301	293	285	284	274	275	264	35	74	78	84	11
8	82	81	86	90	64	100	72	88	94	44	121	85	237	296	301	264	260	265	253	107	85	48	94	80	81
9	50	148	90	298	260	256	254	268	273	271	287	272	298	287	283	287	279	287	289	280	282	289	261	357	282
10	72	45	100	78	115	122	65	294	271	264	263	268	268	266	259	260	259	264	265	157	143	97	93	73	222
11	39	99	133	97	44	31	145	32	114	345	275	281	281	282	274	271	282	306	325	310	298	318	290	196	315
12	6	313	306	289	307	291	246	295	310	277	314	329	355	352	5	351	6	10	20	27	350	329	357	347	332
13	305	289	260	282	17	12	1	308	308	297	283	310	3	25	28	356	339	335	326	337	66	107	85	76	343
14	71	66	108	106	141	177	80	168	44	6	271	284	269	273	258	260	257	259	255	239	169	120	90	74	184
15	91	103	80	70	76	123	260	272	286	272	270	274	259	301	296	297	321	312	289	289	288	292	291	286	294
16	283	303	167	95	158	183	75	53	90	247	324	281	298	22	90	353	336	333	77	319	149	153	132	146	61
17	147	126	108	163	124	204	143	38	5	112	223	350	56	72	125	164	188	219	166	92	332	78	82	94	119
18	107	130	323	278	331	77	93	118	191	209	248	258	267	282	276	270	270	269	270	279	274	265	258	245	260
19	293	248	142	132	88	86	90	20	23	83	250	257	263	253	248	210	155	93	353	95	94	104	115	95	116
20	321	305	270	273	276	292	281	278	260	248	249	247	255	256	259	261	261	282	294	295	138	97	103	75	270
21	114	77	86	106	60	92	51	151	55	29	341	52	59	144	174	177	166	142	123	123	126	137	155	149	109
22	146	135	144	117	100	111	126	130	164	144	140	150	150	132	137	158	159	294	248	287	273	283	290	349	154
23	292	270	279	281	291	273	265	268	267	265	261	265	271	267	261	268	269	290	249	261	264	262	259	261	269
24	263	281	275	338	283	293	334	106	213	224	207	220	228	218	260	274	257	231	249	253	216	96	92	117	245
25	348	4	106	130	115	49	115	127	107	97	113	140	149	129	66	72	133	93	77	99	94	98	104	124	101
26	157	163	154	177	147	115	114	164	291	322	288	295	310	303	298	304	300	316	318	317	300	293	291	290	282
27	301	301	300	302	262	342	275	290	276	283	270	256	259	269	269	309	309	313	317	320	47	27	290	277	296
28	262	280	301	293	285	329	297	289	285	288	293	301	303	307	321	320	328	335	338	335	319	319	318	327	307
29	332	316	328	319	313	314	321	321	323	324	338	334	331	334	353	341	331	326	342	334	3	75	86	53	338
30	11	88	105	54	92	85	128	112	198	330	12	359	341	330	348	317	293	304	307	72	75	71	65	83	37
Prev	36	52	106	61	70	69	55	36	306	287	273	278	275	283	283	292	284	294	295	295	331	94	89	107	300

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
May 2014

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	74	60	125	57	135	51	146	5	9	277	264	278	302	301	319	320	293	287	302	21	82	65	68	40	6
2	53	82	54	359	43	34	119	32	289	276	287	292	294	299	295	291	300	308	262	251	253	245	239	78	311
3	52	48	324	358	12	92	114	179	145	147	158	154	143	154	154	161	163	160	163	169	158	151	134	87	136
4	26	51	81	113	24	165	106	167	1	321	186	301	261	266	262	248	305	303	295	324	68	162	79	88	350
5	89	104	104	106	76	45	38	315	313	280	288	286	294	279	264	293	258	3	91	89	83	356	96	101	20
6	64	86	108	29	36	63	354	287	316	312	307	315	22	15	14	7	5	335	345	14	8	345	355	9	4
7	4	15	15	7	323	17	66	77	212	272	141	143	146	133	250	177	168	151	151	160	143	132	110	100	123
8	130	105	74	Wx	46	199	187	55	164	257	268	258	258	252	265	261	266	277	254	244	73	79	75	64	224
9	64	126	138	124	7	9	6	310	324	255	285	265	279	281	272	311	309	288	298	297	317	79	33	108	320
10	133	82	93	47	11	33	35	339	335	336	345	12	10	10	7	19	11	355	4	348	35	52	80	55	23
11	123	127	171	149	177	325	315	306	260	281	315	324	7	12	3	1	12	7	343	332	315	61	35	339	346
12	321	348	308	222	346	43	60	289	221	277	315	330	292	286	273	337	328	308	314	310	103	74	57	32	325
13	62	117	16	Wx	Wx	Wx	324	117	238	269	278	296	314	304	297	318	321	311	332	345	9	87	50	26	336
14	123	179	360	133	352	112	154	10	327	273	284	286	295	295	292	287	291	326	326	343	111	80	76	51	335
15	79	73	83	87	119	80	137	8	316	282	299	284	294	289	295	321	308	327	21	38	8	5	3	199	356
16	303	288	321	315	339	35	120	182	163	57	331	308	253	321	306	316	246	265	323	313	147	149	109	59	311
17	43	85	85	93	89	57	151	107	81	61	105	187	207	147	148	120	70	132	123	137	168	51	102	112	109
18	112	121	74	65	73	81	23	81	339	168	153	148	74	312	6	147	188	234	247	266	336	123	80	310	92
19	127	135	86	119	30	144	258	263	254	263	274	256	260	264	280	260	267	297	316	345	30	80	72	65	282
20	45	30	Wx	Wx	5	155	92	203	331	290	208	256	246	279	253	61	86	85	65	77	74	76	66	84	64
21	327	146	54	64	12	55	346	331	169	175	178	240	161	214	170	245	233	258	250	145	67	75	84	91	147
22	101	96	93	67	81	107	143	319	2	329	276	205	232	267	247	241	241	292	268	307	80	67	66	89	33
23	69	78	71	106	61	79	151	339	337	356	237	202	222	192	237	205	223	229	284	310	43	63	105	46	97
24	71	62	159	160	356	354	143	207	299	326	325	281	278	22	80	53	343	7	122	79	84	77	50	67	43
25	83	85	99	317	75	67	107	171	333	264	263	292	275	278	267	267	210	220	178	202	97	90	74	26	187
26	48	64	18	115	110	107	106	337	300	287	287	284	235	233	269	295	297	293	309	351	41	319	326	132	325
27	131	142	96	86	98	16	340	5	20	53	158	143	156	100	151	60	138	121	140	102	78	330	113	149	101
28	127	189	123	126	149	157	148	150	156	173	173	201	153	137	135	134	211	270	296	263	271	326	344	337	172
29	328	5	295	288	289	301	287	282	254	257	249	262	263	272	274	258	274	290	305	313	131	99	52	85	287
30	56	106	36	60	63	127	320	347	152	136	145	154	139	152	145	120	151	130	129	116	93	165	19	353	110
31	79	102	19	62	46	86	358	347	305	254	292	355	288	293	263	321	327	20	58	48	286	76	29	35	4
Prev	71	89	69	79	44	69	85	337	300	279	261	265	261	278	271	295	277	298	307	342	67	74	64	64	19

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
June 2014

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	80	345	145	9	14	118	41	323	278	318	303	72	184	147	164	123	153	135	139	111	127	101	92	94	101
2	79	138	130	68	96	136	53	355	360	323	304	268	247	209	123	113	217	237	270	284	111	95	84	89	108
3	57	65	110	78	28	15	38	71	176	148	239	276	300	299	299	296	317	297	295	306	308	136	115	88	357
4	103	84	88	93	122	54	311	285	279	288	296	307	307	302	317	320	306	292	302	284	142	96	86	105	334
5	106	63	134	144	130	359	356	320	297	275	295	303	290	299	300	284	258	255	271	258	262	241	304	244	283
6	238	277	11	150	139	145	162	147	153	153	159	162	234	305	308	295	289	155	152	154	156	155	138	144	172
7	131	122	140	109	83	54	3	339	168	120	291	272	302	359	318	299	330	19	27	20	36	103	46	116	39
8	154	88	342	351	38	141	148	302	109	193	292	274	294	274	282	278	290	286	254	241	130	108	121	116	249
9	88	104	134	66	136	201	320	183	240	273	270	250	271	271	277	281	271	279	305	313	283	3	333	122	271
10	97	115	93	54	78	63	344	21	315	282	262	260	281	275	299	292	322	317	351	325	9	23	300	272	333
11	320	308	19	90	147	94	181	9	301	280	317	311	320	319	309	319	321	24	11	134	140	142	115	114	354
12	95	111	87	106	105	145	149	150	154	149	144	139	137	136	127	123	133	131	115	114	116	123	109	253	128
13	77	116	307	296	309	329	318	296	263	16	309	292	287	302	296	304	303	310	29	116	87	45	100	82	331
14	61	121	88	32	302	6	304	276	268	272	319	302	281	272	266	288	299	306	291	316	347	253	230	170	297
15	74	111	247	190	333	167	60	293	248	256	251	245	266	268	293	291	295	258	117	80	88	92	132	187	235
16	112	215	263	269	275	216	259	290	305	303	324	323	288	194	77	128	152	166	138	154	146	96	357	309	238
17	104	74	51	6	89	39	191	141	193	267	260	257	251	249	261	255	282	285	258	263	273	237	49	53	262
18	84	231	290	77	95	233	251	281	278	262	259	231	229	204	248	247	278	266	231	226	249	245	236	242	245
19	266	308	264	272	66	78	111	29	285	255	247	251	253	261	278	275	266	268	269	107	78	136	141	101	260
20	83	70	54	67	49	132	48	345	274	272	284	282	267	248	25	63	122	161	169	234	58	155	93	96	79
21	123	70	128	28	122	122	350	120	314	303	308	285	281	298	324	294	291	308	36	49	69	69	101	48	15
22	74	73	66	65	98	127	130	144	155	157	154	165	116	319	353	93	73	301	302	74	101	118	91	69	98
23	24	102	158	135	155	198	11	160	208	334	304	57	80	127	249	59	150	212	271	332	99	86	72	94	112
24	89	75	67	59	87	107	350	345	Au	Au	Au	152	162	154	160	160	299	98	85	114	167	137	99	268	110
25	138	81	46	93	93	36	131	147	289	262	261	287	258	273	281	268	270	191	189	151	156	159	130	33	184
26	103	138	119	150	135	88	104	285	299	323	329	287	311	289	273	299	75	273	298	284	167	72	110	80	334
27	68	124	182	103	147	210	43	264	258	268	260	285	317	309	295	335	284	289	256	277	152	100	134	141	249
28	96	78	105	103	231	160	291	260	257	260	270	260	266	286	285	289	292	285	280	278	279	292	303	121	270
29	96	87	91	88	102	262	264	258	258	264	271	267	270	271	276	277	279	278	268	288	283	299	309	264	274
30	290	85	214	237	197	13	328	321	297	292	296	309	300	312	296	297	283	310	316	311	57	150	102	75	305
Prev	91	94	100	81	100	110	10	303	261	271	280	272	272	273	289	291	284	272	281	274	116	117	97	109	279

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
April 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	26	15	21	25	65	70	84	64	71	64	33	62	9	11	11	49	43	57	47	103	18	9	7	6	40	103	6
2	9	15	34	26	22	12	39	38	43	44	38	10	7	11	11	10	17	18	12	7	56	71	84	29	28	84	7
3	27	22	30	61	42	30	33	Wx	48	71	61	11	47	13	42	71	86	28	15	46	12	17	28	31	38	86	11
4	21	28	27	14	8	46	19	48	90	11	12	19	17	19	70	24	39	21	62	26	22	31	91	89	36	91	8
5	33	27	84	65	60	39	47	92	12	15	13	12	11	14	12	11	15	12	10	9	10	50	33	86	32	92	9
6	72	62	18	9	27	50	20	29	10	10	12	12	11	12	12	40	22	24	23	19	13	7	9	61	24	72	7
7	96	35	72	11	8	21	42	57	76	57	14	12	16	9	11	11	12	9	11	11	78	12	19	21	30	96	8
8	26	38	41	60	55	57	54	77	88	85	63	58	82	34	89	10	9	13	40	40	33	58	18	92	51	92	9
9	75	83	58	68	12	11	11	9	11	10	14	12	9	11	14	9	12	10	7	7	11	13	35	49	23	83	7
10	60	52	43	44	51	75	42	35	11	11	13	14	12	11	11	11	8	9	13	90	41	16	33	41	31	90	8
11	69	68	48	43	52	61	76	65	59	56	22	10	11	11	14	12	17	14	8	17	11	9	33	69	36	76	8
12	12	14	38	25	14	20	46	17	9	8	11	27	18	17	10	19	10	10	20	20	71	31	12	28	21	71	8
13	47	18	13	72	62	53	4	77	16	56	31	47	14	10	11	21	19	13	8	9	78	54	14	16	32	78	4
14	10	16	26	19	17	58	77	73	57	50	18	15	19	16	14	17	12	11	11	28	23	23	42	34	29	77	10
15	35	81	89	26	27	47	45	25	12	11	17	16	11	19	14	13	11	14	9	7	9	15	21	11	24	89	7
16	9	10	50	82	26	72	80	53	78	82	37	34	58	41	50	29	6	8	61	51	34	20	49	34	44	82	6
17	21	16	19	57	49	68	17	58	14	36	81	61	14	10	82	44	26	20	100	22	70	37	12	22	40	100	10
18	32	59	82	13	70	46	24	60	63	50	26	17	15	14	13	15	13	12	10	11	15	11	15	18	29	82	10
19	28	53	64	76	23	14	62	56	76	56	16	13	17	13	28	21	26	71	35	42	16	20	62	67	40	76	13
20	84	44	7	15	12	10	17	15	18	16	13	11	12	14	12	13	13	14	12	11	89	31	30	48	23	89	7
21	49	69	41	46	38	44	56	78	85	22	20	68	50	16	24	23	14	14	11	11	11	14	22	25	35	85	11
22	18	25	15	22	22	22	54	31	35	11	13	18	13	11	9	17	73	40	45	18	15	24	74	81	29	81	9
23	36	10	10	10	13	13	12	10	11	10	11	11	12	13	14	14	25	14	16	13	14	12	13	12	14	36	10
24	13	16	24	26	20	22	56	42	60	16	17	15	15	10	26	25	14	41	8	9	97	24	44	51	29	97	8
25	77	101	52	26	29	50	38	19	30	23	31	16	35	39	47	44	14	34	13	17	9	10	13	22	33	101	9
26	16	45	32	40	65	54	81	26	26	24	23	16	13	18	10	11	8	11	7	10	16	10	8	11	24	81	7
27	7	15	11	22	60	69	59	17	16	20	19	17	16	20	19	12	15	16	10	30	46	69	37	10	26	69	7
28	8	13	13	14	8	56	61	10	11	14	14	13	18	16	13	16	16	13	12	31	9	8	7	11	17	61	7
29	7	19	22	26	13	43	10	11	9	14	17	26	14	13	21	18	13	12	18	11	25	18	20	23	18	43	7
30	19	30	27	33	23	47	73	89	98	17	23	32	31	20	28	35	17	13	8	57	12	17	25	22	33	98	8
Avg	35	37	37	36	33	43	45	44	41	32	24	24	21	16	25	22	21	20	22	26	32	25	30	37	30	82	8
Max	96	101	89	82	70	75	84	92	98	85	81	68	82	41	89	71	86	71	100	103	97	71	91	92	51	103	13
Min	7	10	7	9	8	10	4	9	9	8	11	10	7	9	9	9	6	8	7	7	9	7	7	6	14	36	4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
May 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	20	37	32	71	21	57	83	16	49	21	16	17	21	15	16	20	23	18	12	101	12	13	14	32	31	101	12
2	39	17	31	25	53	31	55	86	25	15	16	21	21	15	17	19	29	22	8	29	68	87	73	41	35	87	8
3	54	54	88	89	58	91	51	37	8	8	11	9	10	10	8	10	6	6	9	14	7	12	36	30	30	91	6
4	57	47	16	32	59	66	93	45	78	30	65	76	14	13	27	28	38	19	16	27	57	68	75	18	44	93	13
5	30	25	22	84	59	45	69	56	89	49	22	27	18	32	31	20	38	56	25	71	10	55	34	18	41	89	10
6	38	18	69	33	57	44	14	55	28	21	13	24	9	11	11	21	18	35	20	11	13	20	17	7	25	69	7
7	11	7	7	65	69	91	15	24	81	98	43	10	16	61	72	29	27	7	9	7	15	83	56	56	40	98	7
8	28	17	50	Wx	75	101	82	75	99	22	27	32	27	25	24	29	25	19	13	66	29	11	13	30	40	101	11
9	34	22	15	53	51	34	39	89	73	20	29	18	17	11	15	22	23	11	13	16	14	67	93	58	35	93	11
10	81	40	39	54	37	41	63	35	22	27	35	19	16	16	18	15	17	16	15	14	34	12	18	83	32	83	12
11	67	58	58	12	77	29	12	31	14	14	12	16	20	7	13	13	16	29	25	19	45	34	60	42	30	77	7
12	30	58	82	65	51	18	32	54	84	79	50	74	33	21	36	29	31	14	11	15	51	12	29	49	42	84	11
13	54	29	33	Wx	Wx	Wx	71	58	71	19	23	27	20	22	19	26	13	21	29	22	72	23	24	23	33	72	13
14	37	64	63	63	46	28	78	83	35	29	29	28	32	29	24	14	15	15	9	32	24	11	10	34	35	83	9
15	24	22	38	33	23	56	93	63	63	29	20	20	19	17	15	15	18	9	13	52	41	60	21	75	35	93	9
16	28	84	31	19	21	40	37	78	91	66	46	56	86	50	24	25	39	12	19	10	61	69	35	36	44	91	10
17	26	36	28	12	19	45	49	45	27	44	88	47	70	28	28	28	22	36	25	39	65	87	41	16	40	88	12
18	22	17	27	26	24	53	67	88	94	54	15	13	16	15	76	59	74	22	11	21	96	46	44	83	44	96	11
19	39	68	84	59	50	57	34	16	12	12	14	17	16	20	28	19	18	33	15	10	81	28	19	41	33	84	10
20	58	36	Wx	Wx	46	56	96	80	69	76	55	46	36	38	64	55	29	48	11	17	8	8	86	82	50	96	8
21	100	38	64	54	40	64	79	79	37	44	35	93	66	48	54	44	43	34	32	23	34	38	12	18	49	100	12
22	31	24	22	19	24	31	56	40	37	54	38	24	26	29	41	36	26	39	19	58	8	13	11	34	31	58	8
23	29	35	57	42	26	44	64	34	42	53	38	22	38	47	29	27	30	31	33	38	36	24	77	88	41	88	22
24	18	27	78	37	73	75	25	82	27	36	34	44	32	43	12	24	28	45	40	18	61	51	23	10	39	82	10
25	10	12	24	64	80	100	68	80	73	32	29	27	31	24	21	31	53	42	33	91	13	58	29	35	44	100	10
26	72	50	31	24	27	55	76	75	25	38	42	52	37	26	19	14	31	24	33	34	92	22	44	53	42	92	14
27	59	57	69	55	51	31	29	49	36	66	29	20	49	62	74	63	22	62	83	74	34	85	60	46	53	85	20
28	70	80	33	25	9	10	14	11	9	14	34	50	35	25	17	10	67	44	21	12	14	88	45	16	31	88	9
29	13	67	24	9	9	10	10	17	22	18	19	18	20	17	19	23	25	20	16	13	56	17	21	38	22	67	9
30	31	23	30	36	52	52	68	45	13	16	36	39	34	38	29	35	19	15	13	15	15	83	80	61	37	83	13
31	25	27	95	45	51	46	10	31	25	20	63	58	55	47	25	40	39	62	34	91	86	20	39	74	46	95	10
Avg	40	39	45	43	45	50	53	53	47	36	33	34	30	28	29	27	29	28	21	34	40	42	40	43	38	87	11
Max	100	84	95	89	80	101	96	89	99	98	88	93	86	62	76	63	74	62	83	101	96	88	93	88	53	101	22
Min	10	7	7	9	9	10	10	11	8	8	11	9	9	7	8	10	6	6	8	7	7	8	10	7	22	58	6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
June 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	97	70	25	34	52	67	69	87	46	26	36	73	25	9	29	36	19	19	27	32	30	22	22	33	41	97	9
2	37	16	27	38	55	26	79	69	77	81	54	47	66	34	25	75	24	25	16	73	25	16	14	20	42	81	14
3	29	43	44	55	61	68	58	72	18	24	43	25	20	21	17	18	21	14	14	16	51	52	85	56	39	85	14
4	28	39	39	53	35	55	66	11	16	16	15	23	24	28	19	18	21	18	16	22	30	17	18	25	27	66	11
5	26	32	30	21	32	57	61	60	13	19	20	16	23	18	17	11	10	9	18	23	29	23	30	14	26	61	9
6	38	44	83	57	13	20	12	15	11	12	17	32	87	39	28	39	42	23	10	8	5	10	11	8	28	87	5
7	16	21	37	30	35	70	19	73	51	76	19	32	53	56	25	20	17	15	13	9	55	61	46	36	37	76	9
8	64	88	89	76	84	83	16	75	58	40	40	33	44	22	26	23	30	19	18	56	45	17	18	24	45	89	16
9	28	33	17	83	22	61	92	96	24	16	18	24	16	16	14	11	13	13	11	10	11	59	46	58	33	96	10
10	46	38	21	37	37	55	73	49	37	52	51	37	31	30	28	34	30	15	21	15	26	59	69	42	39	73	15
11	12	15	48	64	18	89	101	37	23	17	30	19	21	18	14	19	37	31	28	43	14	16	30	37	33	101	12
12	19	23	37	73	26	15	8	8	8	8	13	9	9	11	13	17	16	20	29	45	25	30	41	91	25	91	8
13	55	94	30	16	18	64	15	35	70	68	42	19	20	19	13	18	17	38	80	33	14	58	61	37	39	94	13
14	21	59	20	81	31	41	30	14	16	14	16	21	11	15	18	12	10	19	11	16	28	62	91	48	29	91	10
15	16	57	61	80	92	33	46	55	19	31	21	23	17	20	20	41	32	37	52	11	11	46	49	66	39	92	11
16	27	37	13	18	49	75	17	98	63	27	41	60	71	84	46	51	18	14	14	17	16	80	68	93	46	98	13
17	33	24	64	22	89	21	72	9	36	17	14	13	17	15	20	18	30	30	14	14	16	87	85	91	35	91	9
18	10	35	42	21	47	41	29	15	19	13	15	23	18	37	41	24	12	18	12	14	15	16	11	12	23	47	10
19	32	57	21	38	34	11	38	77	32	13	9	14	11	16	15	13	15	13	64	51	55	25	19	77	31	77	9
20	38	70	32	40	57	83	73	66	16	15	20	26	38	18	75	15	59	49	21	65	99	72	66	21	47	99	15
21	25	34	33	36	53	94	74	72	54	20	19	35	30	35	32	48	33	25	13	51	44	74	76	55	44	94	13
22	15	10	36	37	26	36	72	33	17	9	10	20	90	16	86	14	32	84	85	20	22	40	26	23	36	90	9
23	59	41	50	39	80	70	54	79	87	47	61	40	17	52	44	56	34	34	49	59	72	19	21	24	50	87	17
24	31	23	34	33	44	38	26	74	Au	Au	Au	22	22	37	15	28	84	68	12	80	15	16	39	83	39	84	12
25	47	36	42	24	28	38	30	72	26	30	43	25	29	24	31	24	26	38	17	57	67	25	33	57	36	72	17
26	28	19	22	39	82	51	25	88	23	12	35	86	55	27	21	97	25	32	74	34	84	41	36	24	44	97	12
27	72	50	53	69	37	80	69	26	13	20	16	21	29	23	83	16	31	16	78	13	84	21	35	55	42	84	13
28	25	31	55	82	93	81	32	20	15	17	14	14	15	16	13	14	13	15	12	9	10	15	23	47	28	93	9
29	35	18	30	38	42	57	12	11	12	17	14	14	16	16	16	15	15	12	12	10	14	10	70	33	22	70	10
30	15	55	61	68	82	92	52	10	14	11	10	11	11	12	15	18	12	16	13	9	89	27	22	41	32	92	9
Avg	34	40	40	47	48	56	47	50	32	26	26	29	31	26	29	28	26	26	28	31	37	37	42	44	36	85	11
Max	97	94	89	83	93	94	101	98	87	81	61	86	90	84	86	97	84	84	85	80	99	87	91	93	50	101	17
Min	10	10	13	16	13	11	8	8	8	8	9	9	9	9	13	11	10	9	10	8	5	10	11	8	22	47	5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
April 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-5.5	-7.1	-8.1	-10.0	-10.6	-11.4	-12.3	-12.3	-10.1	-8.0	-4.3	-1.2	0.2	1.1	1.8	1.4	0.2	-0.2	-0.5	-0.3	-0.4	-1.1	-1.5	-2.3	-4.3	1.8	-12.3
2	-3.8	-5.7	-7.5	-9.5	-9.5	-8.8	-7.4	-6.3	-5.6	-4.8	-3.8	-2.4	-0.3	1.5	2.1	1.2	1.0	0.5	0.0	-1.1	-2.9	-2.6	-4.2	-6.6	-3.6	2.1	-9.5
3	-8.0	-8.3	-8.6	-8.6	-9.2	-10.5	-11.0	-10.6	-9.1	-5.8	-0.6	0.7	-0.2	1.3	2.7	3.0	3.5	3.8	1.3	0.2	-1.1	-2.9	-4.0	-4.8	-3.6	3.8	-11.0
4	-5.4	-5.8	-5.9	-3.1	-2.0	-3.0	-3.8	-4.2	-2.2	2.2	3.3	4.3	4.8	5.1	4.2	4.3	3.7	2.0	1.9	2.0	1.0	0.2	-0.2	-0.6	0.1	5.1	-5.9
5	-0.2	-0.6	-1.7	-2.3	-3.0	-3.9	-4.7	-4.2	-0.4	1.0	1.8	2.1	2.5	3.1	3.3	3.3	3.4	3.2	2.8	2.2	1.1	-0.3	-0.5	-1.0	0.3	3.4	-4.7
6	-0.9	-0.7	0.2	0.3	0.3	0.4	0.5	0.9	1.5	2.3	3.2	3.9	4.4	4.8	4.0	2.4	2.4	3.0	0.7	2.2	2.6	2.1	1.6	0.6	1.8	4.8	-0.9
7	-1.1	-2.9	-2.9	-4.3	-4.8	-6.7	-7.3	-7.1	-5.3	-1.2	5.3	6.3	7.2	8.1	8.8	9.2	9.3	9.4	8.5	7.0	5.1	3.8	1.0	-0.9	1.9	9.4	-7.3
8	-2.0	-2.7	-2.7	-3.3	-3.9	-4.0	-4.3	-3.5	-2.6	-1.5	1.5	4.8	7.7	10.0	11.0	12.7	12.6	12.6	11.5	9.2	6.6	6.6	6.8	5.2	3.7	12.7	-4.3
9	5.5	6.2	5.5	5.5	6.2	7.2	7.7	8.5	8.4	7.8	6.6	6.5	6.6	6.9	7.4	7.3	7.7	7.2	6.3	5.5	4.8	3.8	2.4	0.8	6.2	8.5	0.8
10	-0.3	-2.4	-2.5	-3.7	-4.3	-4.5	-3.8	-1.0	1.6	2.4	3.5	4.7	5.7	6.6	7.0	7.8	7.8	7.4	6.8	4.6	1.4	-0.3	-1.9	-2.9	1.7	7.8	-4.5
11	-3.6	-3.6	-3.6	-3.7	-5.3	-4.7	-4.3	-3.5	-2.7	0.6	5.5	6.8	7.7	8.4	9.0	9.3	9.6	9.0	7.9	7.5	7.1	5.3	4.1	3.7	2.8	9.6	-5.3
12	2.0	1.0	0.8	0.2	-0.5	-0.7	-0.8	-0.7	0.4	0.7	0.4	0.0	-0.6	-2.4	-3.1	-2.9	-4.0	-4.8	-5.2	-5.2	-5.5	-6.2	-6.7	-7.0	-2.1	2.0	-7.0
13	-7.3	-7.8	-8.6	-8.9	-9.6	-8.9	-8.8	-8.6	-7.6	-5.7	-4.8	-3.7	-3.2	-3.1	-2.7	-2.3	-2.0	-2.2	-2.4	-3.1	-4.8	-7.1	-8.7	-9.3	-5.9	-2.0	-9.6
14	-10.1	-10.6	-12.4	-13.0	-14.2	-14.5	-14.7	-12.9	-9.3	-3.3	0.5	1.9	3.2	4.3	5.2	6.2	7.3	7.3	6.5	4.7	2.9	0.0	-1.8	-1.9	-2.9	7.3	-14.7
15	-1.8	2.3	3.8	1.1	-0.2	-0.1	3.0	5.0	5.2	5.1	4.8	4.3	4.4	3.9	2.1	1.1	1.0	-0.2	-0.5	-0.5	-0.8	-0.8	-1.0	-0.8	1.7	5.2	-1.8
16	-0.9	-1.5	-2.9	-2.5	-4.2	-5.8	-6.1	-6.1	-4.9	-1.1	0.4	0.6	-0.6	-0.2	0.8	1.5	1.7	1.4	1.2	0.2	-1.1	-0.8	-0.9	-1.0	-1.4	1.7	-6.1
17	-1.1	-1.1	-1.2	-1.5	-1.8	-1.9	-2.0	-2.0	-0.1	2.9	3.6	2.7	2.7	4.7	7.1	7.9	8.9	8.1	7.1	4.6	5.3	5.2	3.8	4.1	2.8	8.9	-2.0
18	5.2	5.5	4.4	4.4	2.9	2.2	2.1	2.1	2.5	3.6	4.4	5.3	4.6	0.5	1.0	2.9	2.3	3.0	2.6	2.0	1.6	1.1	0.3	0.6	2.8	5.5	0.3
19	0.0	-0.9	-2.4	-4.0	-5.4	-6.6	-7.3	-5.9	-2.1	2.9	5.1	6.3	7.7	8.9	9.8	10.2	10.1	11.4	10.3	5.4	3.2	1.7	0.8	0.3	2.5	11.4	-7.3
20	-0.7	2.7	5.4	3.9	3.0	2.1	2.2	2.6	3.0	3.6	4.4	5.5	6.4	6.9	7.6	8.1	8.3	8.2	7.4	6.2	3.9	0.2	-0.5	-1.0	4.1	8.3	-1.0
21	-1.5	-2.1	-3.0	-4.3	-4.4	-5.3	-5.0	-2.6	1.2	6.4	8.0	9.6	10.9	11.8	12.6	13.0	13.0	12.1	12.0	11.1	10.3	9.4	8.8	8.6	5.4	13.0	-5.3
22	7.5	7.8	6.5	5.0	2.4	2.2	2.6	4.6	9.1	10.2	11.6	13.2	13.7	13.5	13.7	12.3	8.1	5.7	4.9	2.5	2.0	1.1	0.5	0.6	6.7	13.7	0.5
23	0.5	0.0	-0.6	-1.3	-2.0	-1.9	-1.9	-1.7	-1.2	-0.2	0.2	1.1	1.7	2.9	3.4	3.1	2.3	1.9	2.2	1.6	0.3	-0.2	-0.7	-0.8	0.4	3.4	-2.0
24	-0.7	-0.8	-0.7	-0.4	0.0	0.1	0.1	1.6	3.0	3.7	4.3	4.9	5.4	4.4	4.2	4.6	3.1	4.3	4.7	3.6	1.9	0.1	-1.1	-1.8	2.0	5.4	-1.8
25	-1.7	-2.2	-2.4	-2.6	-2.2	-2.5	-1.4	0.1	2.2	4.3	5.4	6.3	7.2	7.9	8.9	9.4	8.7	7.2	7.0	6.4	4.6	4.1	3.8	3.4	3.4	9.4	-2.6
26	2.2	2.4	2.8	2.8	2.9	3.3	3.3	3.5	1.8	1.7	3.0	3.4	3.5	4.2	4.9	4.7	3.5	2.2	1.0	-0.1	-0.4	-0.8	-1.4	-1.2	2.2	4.9	-1.4
27	-1.2	-1.1	-0.9	-1.0	-1.5	-1.5	-1.5	-0.8	0.3	1.0	1.8	3.3	4.2	4.9	4.8	5.0	5.3	5.7	5.3	3.5	0.8	-1.0	0.4	0.3	1.5	5.7	-1.5
28	-0.7	-1.0	-1.0	-1.0	-1.3	-1.9	-1.3	-0.5	0.2	1.2	2.1	2.4	2.8	3.6	2.9	3.4	3.9	3.4	3.1	1.8	1.9	1.6	0.9	0.2	1.1	3.9	-1.9
29	-0.9	-2.2	-2.5	-2.7	-3.0	-2.6	-1.0	-0.5	0.9	3.0	4.2	4.7	5.8	6.3	6.6	7.2	7.3	7.5	6.8	5.8	3.4	0.4	-1.8	-3.2	2.1	7.5	-3.2
30	-4.1	-5.1	-6.0	-6.8	-7.0	-7.3	-6.0	-1.5	4.4	8.0	9.0	9.8	10.5	11.0	11.6	11.9	11.9	11.6	10.1	6.6	3.3	1.3	0.4	-1.0	3.2	11.9	-7.3
Avg	-1.4	-1.6	-2.0	-2.5	-3.1	-3.4	-3.2	-2.3	-0.6	1.4	3.0	3.9	4.6	5.0	5.4	5.6	5.4	5.1	4.4	3.2	1.9	0.8	-0.0	-0.7	1.2	6.5	-4.7
Max	7.5	7.8	6.5	5.5	6.2	7.2	7.7	8.5	9.1	10.2	11.6	13.2	13.7	13.5	13.7	13.0	13.0	12.6	12.0	11.1	10.3	9.4	8.8	8.6	6.7	13.7	0.8
Min	-10.1	-10.6	-12.4	-13.0	-14.2	-14.5	-14.7	-12.9	-10.1	-8.0	-4.8	-3.7	-3.2	-3.1	-3.1	-2.9	-4.0	-4.8	-5.2	-5.2	-5.5	-7.1	-8.7	-9.3	-5.9	-2.0	-14.7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
May 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-2.2	-3.0	-3.4	-4.0	-4.3	-4.3	-2.6	2.0	8.1	11.8	13.3	14.2	15.4	16.1	16.4	16.9	17.1	17.0	16.2	11.9	6.8	5.6	4.3	3.1	7.2	17.1	-4.3
2	2.1	1.2	0.4	0.2	0.0	-0.4	1.3	7.2	12.6	13.7	14.4	15.5	16.0	15.9	15.9	15.7	15.5	15.0	12.1	9.6	7.9	6.6	5.4	4.2	8.7	16.0	-0.4
3	3.2	2.0	0.9	2.0	2.6	2.9	3.2	4.1	4.6	4.7	4.9	5.8	6.5	6.5	5.5	4.7	4.0	3.0	2.7	1.9	1.2	0.6	0.1	-0.8	3.2	6.5	-0.8
4	-1.3	-0.5	-0.1	0.1	0.0	0.0	0.5	0.9	1.4	1.0	2.9	5.6	8.0	6.8	7.0	8.2	9.4	9.7	9.5	7.9	5.0	5.1	4.3	2.8	3.9	9.7	-1.3
5	1.4	0.2	0.0	-0.6	0.5	0.3	1.4	3.7	5.4	7.6	8.8	9.6	9.5	8.9	9.4	9.9	7.5	7.2	6.7	6.6	5.4	4.7	3.8	3.3	5.0	9.9	-0.6
6	2.7	2.4	1.6	1.0	0.6	0.2	0.4	2.3	4.3	5.6	6.0	6.4	4.6	3.9	1.7	0.8	0.5	0.2	-0.1	-0.7	-1.0	-1.2	-1.4	-1.8	1.6	6.4	-1.8
7	-2.0	-2.1	-2.2	-1.9	-1.8	-1.7	-1.5	-1.2	-0.9	-0.4	0.4	0.4	0.8	1.4	2.1	2.5	2.6	2.2	1.7	0.3	-1.3	-1.9	-3.4	-4.3	-0.5	2.6	-4.3
8	-4.7	-5.2	-6.1	-7.0	-6.9	-7.0	-5.0	-1.2	2.2	4.3	5.5	6.5	7.7	8.5	9.0	9.4	10.0	10.3	10.0	7.8	4.2	2.3	1.2	-0.4	2.3	10.3	-7.0
9	-1.7	-3.0	-4.0	-3.9	-3.6	-2.5	-1.2	1.4	5.1	5.4	5.3	4.7	5.2	6.0	6.6	6.3	7.1	7.4	7.1	6.5	4.8	3.1	1.2	0.5	2.7	7.4	-4.0
10	-1.0	-1.9	-2.9	-4.1	-4.7	-5.5	-3.8	1.1	3.2	3.8	3.9	3.9	4.2	3.5	4.0	3.8	3.4	3.2	2.7	2.3	1.9	1.2	1.0	0.1	1.0	4.2	-5.5
11	-0.3	-0.9	-1.9	-1.6	-0.8	-0.9	-0.7	0.0	-0.7	-0.8	-0.6	0.3	1.1	0.9	0.6	0.6	0.5	0.1	-0.4	-0.8	-0.9	-1.1	-2.0	-3.5	-0.6	1.1	-3.5
12	-3.9	-3.6	-3.6	-5.2	-6.6	-6.8	-4.1	-1.6	1.1	2.6	3.5	4.7	5.6	6.1	6.5	6.8	7.2	6.9	6.5	5.0	1.3	-0.9	-2.7	-4.3	0.9	7.2	-6.8
13	-4.8	-5.5	-6.0	-6.4	-6.9	-6.9	-4.2	0.3	6.1	8.3	9.0	9.4	9.9	10.6	11.5	11.2	10.8	10.9	10.3	8.2	5.8	2.4	0.4	-1.0	3.5	11.5	-6.9
14	-2.7	-3.7	-4.5	-4.6	-5.4	-5.1	-3.6	2.5	8.2	10.4	11.3	11.3	11.8	12.4	12.8	12.9	13.1	13.0	12.5	11.1	7.7	5.6	4.8	3.4	5.6	13.1	-5.4
15	2.2	1.2	0.0	-0.8	-1.9	-2.1	0.5	5.7	11.1	13.0	14.1	14.8	15.9	16.6	16.7	16.6	17.0	17.0	14.9	13.1	8.8	7.9	7.1	6.5	9.0	17.0	-2.1
16	6.0	5.1	4.8	4.5	3.3	2.7	2.9	4.9	6.8	8.1	9.1	9.8	11.1	12.3	11.0	9.0	10.2	10.7	9.3	8.6	7.7	6.7	5.7	4.3	7.3	12.3	2.7
17	3.3	3.8	4.3	4.8	4.5	4.8	5.4	6.3	7.3	8.8	11.1	12.4	13.9	14.2	14.2	14.2	14.3	14.9	13.4	12.2	8.3	7.2	7.0	5.6	9.0	14.9	3.3
18	3.8	2.2	1.9	1.6	1.6	1.2	2.0	4.0	6.3	8.0	9.1	8.3	8.1	6.3	6.2	7.0	8.2	8.6	8.5	7.7	6.1	5.6	4.8	3.7	5.4	9.1	1.2
19	2.4	2.0	2.5	2.4	2.0	3.5	4.3	4.9	5.3	6.1	6.9	8.7	10.1	10.6	9.0	11.2	11.3	10.7	10.0	8.0	6.2	3.5	1.5	0.2	6.0	11.3	0.2
20	-0.9	-1.9	-2.5	-3.1	-3.3	-3.3	-0.3	4.5	8.3	9.8	10.8	11.9	13.1	13.7	14.3	13.8	12.7	9.5	9.2	7.5	5.8	4.5	3.4	2.5	5.8	14.3	-3.3
21	2.5	2.1	0.9	0.6	-0.5	-0.1	1.7	6.3	11.4	13.2	14.2	15.2	16.1	16.8	17.2	17.5	17.7	18.2	17.9	15.0	13.7	10.6	8.1	6.7	10.1	18.2	-0.5
22	5.3	4.3	3.7	4.1	2.9	2.5	5.1	9.4	13.7	15.8	17.2	18.5	19.0	19.1	19.9	20.4	20.8	20.7	20.3	17.7	12.2	10.2	8.7	6.7	12.4	20.8	2.5
23	5.9	4.8	3.1	3.4	3.5	3.4	6.0	11.2	16.1	19.5	20.8	21.7	22.3	21.9	22.9	23.0	22.9	22.3	18.9	16.5	15.3	13.7	14.4	12.3	14.4	23.0	3.1
24	9.9	8.7	5.6	5.4	4.4	5.6	7.4	11.2	13.3	15.3	16.8	17.3	17.7	16.4	15.5	16.4	15.0	15.2	13.1	11.2	10.0	9.2	8.1	7.3	11.5	17.7	4.4
25	5.9	5.1	4.3	4.0	2.7	1.9	3.7	8.0	10.9	12.2	13.2	14.2	15.3	16.2	17.3	17.8	18.3	18.4	18.3	15.8	11.6	9.3	7.9	7.2	10.8	18.4	1.9
26	7.4	6.6	6.2	5.3	4.1	4.0	7.0	11.0	14.4	15.8	16.9	17.0	19.0	19.8	19.8	19.3	19.1	19.3	18.0	15.4	13.7	13.1	11.5	10.5	13.1	19.8	4.0
27	8.5	7.9	7.0	6.1	4.3	3.3	6.7	10.1	12.3	13.6	15.1	15.7	16.3	16.5	17.7	18.3	17.7	15.9	13.3	11.8	11.2	9.3	8.2	7.1	11.4	18.3	3.3
28	6.1	6.5	10.0	10.7	9.5	9.4	10.6	12.2	13.3	15.3	16.6	18.6	20.4	21.7	22.8	22.5	20.3	19.2	19.0	15.2	12.1	11.5	11.8	11.0	14.4	22.8	6.1
29	10.5	9.4	8.9	8.3	7.3	6.5	6.1	6.1	6.5	7.4	8.6	10.2	11.1	12.2	12.7	13.4	13.7	13.6	13.2	11.4	7.3	4.5	3.6	2.2	8.9	13.7	2.2
30	1.0	-0.4	-1.1	-1.7	-2.2	-2.0	0.6	6.1	11.8	12.9	13.8	14.8	15.5	16.2	16.7	17.4	17.8	17.4	17.0	15.7	14.1	13.4	12.4	12.3	10.0	17.8	-2.2
31	12.5	11.4	8.2	6.3	5.0	4.5	5.7	8.7	11.9	12.3	10.9	12.3	13.9	15.4	15.9	16.4	11.7	8.2	8.5	8.9	7.2	5.5	5.0	3.6	9.6	16.4	3.6
Avg	2.5	1.8	1.2	0.8	0.3	0.3	1.8	4.9	7.8	9.2	10.1	11.0	11.8	12.0	12.2	12.4	12.2	11.8	11.0	9.3	7.1	5.7	4.7	3.6	6.9	13.2	-0.7
Max	12.5	11.4	10.0	10.7	9.5	9.4	10.6	12.2	16.1	19.5	20.8	21.7	22.3	21.9	22.9	23.0	22.9	22.3	20.3	17.7	15.3	13.7	14.4	12.3	14.4	23.0	6.1
Min	-4.8	-5.5	-6.1	-7.0	-6.9	-7.0	-5.0	-1.6	-0.9	-0.8	-0.6	0.3	0.8	0.9	0.6	0.6	0.5	0.1	-0.4	-0.8	-1.3	-1.9	-3.4	-4.3	-0.6	1.1	-7.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
June 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	2.6	1.5	0.7	0.2	0.3	1.0	2.8	6.0	9.3	10.5	11.3	10.9	11.3	9.2	8.6	7.7	8.1	10.0	10.8	9.7	6.4	4.7	3.5	2.7	6.2	11.3	0.2
2	1.9	0.8	0.0	-0.1	-0.6	-0.3	2.3	6.8	10.8	13.0	14.4	15.3	16.3	15.5	15.6	17.1	17.6	17.8	17.8	16.6	11.8	9.4	7.5	5.9	9.7	17.8	-0.6
3	5.0	4.2	3.1	2.6	3.4	4.1	6.5	10.2	14.8	16.0	16.9	17.4	16.8	17.1	17.6	17.5	17.7	17.5	16.3	14.0	11.8	9.5	10.2	9.4	11.6	17.7	2.6
4	7.4	4.4	3.4	2.1	1.6	2.2	7.6	10.2	11.0	11.9	12.3	12.6	13.3	13.5	14.0	14.6	15.6	15.9	15.7	14.8	9.9	7.1	5.3	3.7	9.6	15.9	1.6
5	2.6	1.9	1.4	1.1	0.8	1.1	4.4	10.6	12.9	13.7	14.3	14.8	15.4	15.4	15.4	15.0	13.2	11.4	10.0	8.8	6.9	6.1	6.0	5.2	8.7	15.4	0.8
6	5.0	5.3	5.8	5.9	5.6	5.3	4.9	4.9	5.4	5.7	6.3	7.9	9.3	10.9	11.9	12.6	13.0	11.6	9.0	7.9	6.3	5.5	5.1	5.0	7.3	13.0	4.9
7	4.7	4.7	4.4	4.2	3.3	2.0	4.2	7.4	9.3	10.7	12.0	12.5	11.8	12.5	13.7	14.0	13.8	13.2	12.7	12.1	10.5	9.4	8.4	7.1	9.1	14.0	2.0
8	5.7	5.3	5.0	3.9	3.1	3.4	5.5	7.3	10.8	12.1	12.8	13.7	14.1	15.3	15.6	15.5	15.8	16.0	15.9	14.4	11.0	8.7	5.6	3.8	10.0	16.0	3.1
9	3.0	1.7	0.8	0.2	-0.3	-0.3	3.8	10.8	15.0	14.7	15.5	17.1	17.7	18.3	18.4	18.2	18.8	18.4	17.4	15.8	14.8	12.1	10.3	9.6	11.3	18.8	-0.3
10	7.7	5.1	2.9	1.8	0.9	0.6	4.2	9.6	12.7	13.7	14.9	15.9	16.7	17.2	17.1	17.0	16.9	16.8	14.2	12.7	11.7	10.1	8.6	7.2	10.7	17.2	0.6
11	6.5	5.8	5.1	3.2	0.7	0.2	3.0	6.9	8.2	8.3	8.8	9.5	10.0	11.1	11.9	12.2	12.2	12.2	12.0	10.2	7.7	6.1	5.5	4.1	7.6	12.2	0.2
12	3.4	3.6	3.4	3.1	3.8	5.3	7.1	8.3	9.0	9.4	11.3	13.2	13.7	14.1	14.8	15.0	15.7	15.4	14.8	14.6	13.9	13.2	13.2	11.7	10.5	15.7	3.1
13	9.4	7.0	8.7	9.5	8.8	8.5	9.1	8.7	9.1	9.1	10.8	12.8	9.1	9.4	11.9	12.9	12.8	12.3	10.7	5.7	4.2	4.5	4.4	4.1	8.9	12.9	4.1
14	3.5	2.6	3.0	3.8	4.1	3.9	3.8	4.9	6.1	6.9	5.5	5.1	4.6	4.7	5.5	5.1	4.7	4.5	5.3	4.9	4.9	4.0	3.9	3.9	4.6	6.9	2.6
15	3.9	3.9	4.1	3.2	1.5	1.3	3.6	5.4	6.6	8.0	9.2	10.4	11.0	11.7	12.1	13.2	13.6	13.3	11.8	11.2	9.7	8.6	7.7	7.3	8.0	13.6	1.3
16	6.8	6.5	5.9	5.8	5.7	5.8	6.0	7.0	8.2	9.4	10.4	11.4	11.9	9.9	7.9	10.1	10.0	9.1	8.6	8.0	7.9	7.2	7.0	6.9	8.1	11.9	5.7
17	7.1	7.1	7.3	7.0	6.9	6.9	7.1	7.3	6.9	6.1	5.8	6.9	8.3	9.1	9.2	9.0	9.2	9.4	9.2	8.8	7.6	6.3	5.1	4.5	7.4	9.4	4.5
18	4.4	4.7	4.4	3.4	3.1	3.6	3.6	3.8	4.1	4.9	5.8	6.5	6.9	5.8	6.1	6.6	5.4	4.4	4.4	4.5	4.7	4.8	4.8	4.6	4.8	6.9	3.1
19	4.3	4.4	4.7	4.8	4.5	4.7	4.8	5.5	7.7	9.3	9.6	10.1	11.0	11.7	12.3	13.7	14.8	14.0	12.5	11.3	9.4	8.2	6.9	5.0	8.6	14.8	4.3
20	3.6	2.7	2.4	2.1	1.4	1.8	5.0	11.2	15.2	15.9	16.3	17.1	18.0	15.1	9.8	12.8	15.6	16.4	11.9	10.4	9.7	8.5	7.9	7.5	9.9	18.0	1.4
21	6.5	5.9	4.3	3.5	2.8	2.5	4.2	8.7	11.2	13.0	14.1	14.9	15.9	16.5	17.0	17.5	17.9	17.9	17.0	15.2	12.7	11.8	10.2	9.4	11.3	17.9	2.5
22	9.3	8.3	6.7	5.6	4.4	4.6	7.6	11.5	13.4	14.4	14.7	15.4	13.3	9.4	9.4	9.5	10.3	10.9	10.7	10.4	9.0	7.6	6.8	6.0	9.6	15.4	4.4
23	5.7	5.7	5.3	4.6	4.1	3.3	4.3	7.6	11.4	14.3	15.2	14.2	14.1	14.3	10.9	12.7	14.2	15.4	15.7	14.6	10.6	9.2	8.2	6.8	10.1	15.7	3.3
24	6.0	5.8	4.7	4.6	3.5	4.1	7.0	11.9	Au	Au	Au	18.5	19.1	19.7	19.7	19.0	14.5	12.9	13.8	14.6	13.5	11.8	11.6	10.4	11.7	19.7	3.5
25	9.3	9.3	8.9	7.8	7.3	7.7	8.8	10.8	13.1	14.4	15.2	16.4	17.3	18.0	18.5	18.9	18.7	18.7	17.7	13.8	12.5	11.8	11.9	11.2	13.3	18.9	7.3
26	10.2	8.7	8.4	7.8	7.8	8.6	9.4	10.6	11.6	12.2	13.0	14.1	15.5	16.9	15.2	12.4	12.4	13.4	10.2	9.7	8.8	7.5	6.5	6.0	10.7	16.9	6.0
27	5.5	5.0	5.2	5.7	5.9	6.3	7.7	10.2	11.4	12.6	12.9	13.4	13.8	14.3	14.1	14.3	15.8	14.4	11.8	9.8	9.4	9.1	7.6	7.3	10.1	15.8	5.0
28	7.3	6.7	5.8	6.1	5.8	6.6	8.5	9.8	10.7	11.1	12.0	12.0	12.5	12.9	12.4	13.0	13.0	13.4	13.2	12.2	11.0	9.6	8.3	6.3	10.0	13.4	5.8
29	4.5	2.8	1.9	1.1	1.5	5.4	8.7	10.1	10.8	11.3	12.0	12.0	13.8	14.8	15.1	15.5	15.3	14.7	14.1	13.0	12.0	9.8	8.4	7.6	9.8	15.5	1.1
30	7.2	5.7	4.5	4.2	3.6	3.1	5.0	7.1	8.7	9.8	9.9	10.0	10.2	11.2	12.8	13.7	14.2	14.5	14.6	13.8	11.5	8.1	6.5	4.8	8.9	14.6	3.1
Avg	5.7	4.9	4.4	4.0	3.5	3.8	5.7	8.4	10.2	11.1	11.8	12.7	13.1	13.2	13.2	13.5	13.7	13.5	12.7	11.5	9.7	8.3	7.4	6.5	9.3	14.8	2.9
Max	10.2	9.3	8.9	9.5	8.8	8.6	9.4	11.9	15.2	16.0	16.9	18.5	19.1	19.7	19.7	19.0	18.8	18.7	17.8	16.6	14.8	13.2	13.2	11.7	13.3	19.7	7.3
Min	1.9	0.8	0.0	-0.1	-0.6	-0.3	2.3	3.8	4.1	4.9	5.5	5.1	4.6	4.7	5.5	5.1	4.7	4.4	4.4	4.5	4.2	4.0	3.5	2.7	4.6	6.9	-0.6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
April 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-6.1	-7.6	-9.4	-11.7	-12.0	-13.3	-13.6	-13.5	-11.4	-9.0	-5.0	-0.4	-0.1	0.7	1.3	1.3	0.2	-0.2	-0.5	-0.5	-0.5	-1.3	-1.8	-3.0	-4.9	1.3	-13.6
2	-5.0	-6.4	-8.5	-10.2	-9.7	-8.8	-7.4	-6.1	-5.4	-4.3	-3.1	-2.2	-0.3	1.2	1.9	1.0	0.9	0.4	-0.6	-2.3	-3.4	-3.1	-5.4	-7.6	-3.9	1.9	-10.2
3	-8.7	-8.7	-8.7	-8.9	-10.1	-11.7	-12.3	-11.5	-10.0	-7.6	-0.6	0.6	-0.1	1.2	2.6	3.0	3.2	2.6	0.0	-0.4	-1.9	-4.5	-5.6	-6.4	-4.4	3.2	-12.3
4	-6.8	-6.9	-7.1	-4.9	-4.3	-4.1	-4.5	-5.0	-3.6	1.6	2.9	3.9	4.3	4.5	3.9	3.8	3.1	1.5	1.7	1.6	0.6	0.0	-0.7	-1.1	-0.7	4.5	-7.1
5	-0.8	-1.5	-2.4	-3.0	-4.0	-4.9	-5.8	-5.3	-0.9	0.7	1.6	1.9	2.3	2.9	3.1	2.9	3.0	2.7	2.3	1.6	0.3	-1.4	-1.1	-1.8	-0.3	3.1	-5.8
6	-1.6	-1.0	0.0	0.0	0.0	0.2	0.3	0.7	1.3	2.0	2.9	3.6	4.0	4.3	3.6	2.2	2.2	2.8	0.7	2.0	2.3	1.7	1.2	0.0	1.5	4.3	-1.6
7	-2.1	-3.7	-3.8	-4.7	-5.1	-7.3	-8.2	-7.7	-6.4	-3.2	4.8	5.7	6.5	7.3	7.8	8.1	8.0	8.0	7.1	5.6	4.1	1.6	-0.1	-1.4	0.9	8.1	-8.2
8	-2.5	-3.3	-3.4	-4.3	-4.6	-5.4	-5.3	-4.4	-3.4	-2.0	-0.4	3.1	6.3	8.7	10.0	11.0	10.7	10.6	10.3	7.0	4.0	4.6	2.3	2.7	2.2	11.0	-5.4
9	2.7	3.0	2.6	4.1	4.9	4.7	5.8	7.4	7.4	6.9	5.9	5.8	5.8	6.2	6.6	6.5	6.8	6.2	5.4	4.7	4.1	2.9	1.5	0.0	4.9	7.4	0.0
10	-1.7	-3.4	-3.6	-4.5	-5.1	-5.2	-4.8	-2.0	1.2	2.1	3.2	4.3	5.1	5.9	6.1	6.8	6.7	6.5	5.8	3.6	0.6	-1.1	-2.4	-3.5	0.9	6.8	-5.2
11	-4.4	-4.3	-4.5	-4.3	-5.9	-5.4	-4.8	-3.8	-2.8	-0.5	5.0	6.2	7.0	7.5	8.1	8.3	8.5	7.4	6.4	6.2	6.1	4.2	3.4	2.8	1.9	8.5	-5.9
12	1.5	0.4	0.3	0.1	-0.5	-0.7	-0.8	-0.5	0.5	0.8	0.6	0.1	-0.5	-2.1	-2.9	-2.7	-3.8	-4.6	-5.1	-5.1	-5.4	-6.1	-6.6	-7.0	-2.1	1.5	-7.0
13	-7.3	-7.8	-9.0	-9.3	-10.0	-9.0	-9.0	-9.2	-7.6	-5.6	-4.6	-3.5	-3.0	-3.0	-2.6	-2.3	-2.0	-2.4	-2.7	-4.1	-6.1	-7.7	-8.8	-9.5	-6.1	-2.0	-10.0
14	-10.3	-10.7	-13.5	-14.3	-15.1	-15.3	-15.1	-13.2	-9.6	-3.4	0.5	1.9	3.2	4.1	5.0	5.8	6.7	6.4	5.4	3.5	1.1	-1.1	-2.3	-2.8	-3.5	6.7	-15.3
15	-2.5	0.8	2.4	0.2	-0.9	-1.6	1.9	4.3	4.4	4.6	4.3	3.8	4.1	3.5	1.9	1.1	1.0	-0.2	-0.4	-0.5	-0.7	-0.8	-1.0	-0.8	1.2	4.6	-2.5
16	-1.0	-2.2	-3.6	-3.3	-5.9	-6.4	-6.8	-7.8	-5.3	-1.4	0.5	0.7	-0.4	0.2	0.9	1.7	1.6	1.3	0.9	-0.2	-1.7	-1.0	-1.0	-1.1	-1.7	1.7	-7.8
17	-1.2	-1.2	-1.4	-1.8	-2.2	-2.1	-2.5	-2.0	0.0	3.1	3.7	2.9	2.8	4.7	6.6	6.9	7.9	7.2	6.0	4.3	4.4	4.2	3.6	3.8	2.4	7.9	-2.5
18	4.7	4.7	3.6	3.9	2.6	1.9	2.0	1.9	2.3	3.5	4.4	5.1	4.3	0.7	1.1	2.8	2.2	2.7	2.2	1.3	0.9	0.3	-0.5	-0.2	2.4	5.1	-0.5
19	-0.8	-1.7	-3.5	-5.2	-5.8	-7.0	-7.6	-5.7	-2.1	3.2	5.0	6.2	7.3	8.3	9.2	9.6	9.2	11.1	9.6	4.7	2.8	1.3	0.3	-0.5	2.0	11.1	-7.6
20	-1.6	1.7	4.5	3.2	2.6	1.5	1.8	2.4	2.9	3.5	4.4	5.5	6.3	6.7	7.3	7.6	7.8	7.5	6.4	4.8	2.2	-0.3	-0.8	-1.3	3.6	7.8	-1.6
21	-2.2	-2.6	-3.6	-5.0	-5.3	-6.3	-5.3	-2.5	1.2	6.8	8.2	9.7	11.0	11.1	12.2	12.5	11.8	10.8	11.6	10.8	9.9	8.4	7.8	7.7	4.9	12.5	-6.3
22	6.4	7.2	5.2	3.6	1.6	1.0	1.8	4.1	8.7	9.3	10.9	12.3	12.2	12.6	12.3	10.3	7.1	5.3	4.5	2.3	1.9	1.0	0.5	0.6	5.9	12.6	0.5
23	0.5	0.0	-0.6	-1.3	-2.0	-2.0	-2.1	-1.8	-1.2	-0.2	0.3	1.2	1.8	3.0	3.6	3.3	2.3	2.0	2.0	1.4	0.2	-0.3	-0.8	-0.8	0.4	3.6	-2.1
24	-0.7	-0.8	-0.6	-0.4	0.0	-0.2	0.2	1.8	3.1	3.8	4.5	5.2	5.4	4.4	4.3	4.8	3.2	4.4	4.6	2.9	1.2	0.0	-1.5	-2.2	2.0	5.4	-2.2
25	-2.1	-2.8	-2.9	-3.0	-2.6	-2.8	-1.4	0.1	2.3	4.4	5.7	6.4	7.5	8.3	9.2	9.5	8.4	6.9	6.7	6.2	4.4	4.1	3.8	3.3	3.3	9.5	-3.0
26	2.1	2.3	2.6	2.6	2.7	3.1	3.2	3.3	2.0	2.0	3.4	3.9	4.0	4.9	5.7	5.1	4.0	2.4	1.1	0.0	-0.4	-0.7	-1.3	-1.1	2.4	5.7	-1.3
27	-1.1	-1.1	-1.0	-1.3	-1.7	-1.7	-1.6	-0.5	0.7	1.5	2.4	4.4	5.3	5.8	5.4	5.3	5.6	6.0	5.4	2.2	0.0	-1.3	0.0	0.1	1.6	6.0	-1.7
28	-0.8	-1.0	-1.1	-1.3	-1.6	-2.2	-1.2	-0.3	0.6	1.8	2.8	3.1	3.7	4.5	3.6	4.3	4.5	3.8	3.3	1.2	1.1	0.6	0.2	-1.1	1.2	4.5	-2.2
29	-2.1	-3.5	-3.3	-3.9	-4.0	-2.9	-1.0	-0.2	1.3	3.7	4.8	5.2	6.4	6.9	7.3	7.9	8.0	8.1	6.7	4.8	1.8	-0.4	-2.3	-3.8	1.9	8.1	-4.0
30	-4.9	-6.5	-7.1	-7.6	-7.9	-8.1	-5.9	-1.2	4.7	8.7	9.9	10.8	11.4	12.0	12.6	12.8	12.8	11.8	9.5	5.6	2.9	1.0	0.0	-1.9	3.1	12.8	-8.1
Avg	-2.0	-2.3	-2.7	-3.2	-3.7	-4.1	-3.7	-2.6	-0.8	1.2	3.0	3.9	4.5	4.9	5.3	5.4	5.1	4.6	3.9	2.5	1.2	0.2	-0.6	-1.3	0.8	6.2	-5.3
Max	6.4	7.2	5.2	4.1	4.9	4.7	5.8	7.4	8.7	9.3	10.9	12.3	12.2	12.6	12.6	12.8	12.8	11.8	11.6	10.8	9.9	8.4	7.8	7.7	5.9	12.8	0.5
Min	-10.3	-10.7	-13.5	-14.3	-15.1	-15.3	-15.1	-13.5	-11.4	-9.0	-5.0	-3.5	-3.0	-3.0	-2.9	-2.7	-3.8	-4.6	-5.1	-5.1	-6.1	-7.7	-8.8	-9.5	-6.1	-2.0	-15.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
May 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-3.1	-4.1	-4.6	-4.9	-5.6	-5.5	-2.6	2.4	8.4	12.8	14.4	15.4	16.6	17.3	17.4	17.9	18.0	17.6	16.2	11.1	6.7	5.3	4.0	2.5	7.2	18.0	-5.6
2	1.3	0.4	-0.3	-0.7	-0.9	-1.2	1.4	7.6	13.3	14.7	15.5	16.8	17.3	17.2	17.2	16.8	16.3	15.7	12.2	9.4	7.6	6.3	5.2	4.0	8.9	17.3	-1.2
3	2.5	1.3	0.4	2.1	2.6	3.0	3.4	4.4	5.2	5.5	5.8	6.8	7.9	7.9	6.5	5.7	4.9	3.7	3.1	1.8	1.1	0.4	-0.3	-1.3	3.5	7.9	-1.3
4	-1.5	-0.5	0.0	0.3	0.2	0.2	0.6	1.1	1.6	1.2	3.3	6.2	9.2	7.3	7.8	8.9	10.3	10.5	9.6	7.5	4.7	4.9	4.0	2.7	4.2	10.5	-1.5
5	1.3	0.1	-0.1	-1.0	0.3	0.3	1.7	4.0	5.7	8.3	9.9	10.9	10.6	9.8	10.3	10.6	7.6	7.4	6.9	6.5	5.2	4.7	3.7	3.3	5.3	10.9	-1.0
6	2.7	2.3	1.4	0.9	0.5	0.1	0.5	2.6	4.7	6.3	6.9	7.4	5.2	4.6	2.4	1.4	1.1	0.6	0.1	-0.5	-0.9	-1.2	-1.4	-1.7	1.9	7.4	-1.7
7	-1.9	-2.0	-2.1	-1.8	-1.7	-1.6	-1.4	-1.0	-0.6	0.0	0.9	1.4	1.7	1.8	2.6	3.0	3.0	2.7	1.9	0.1	-1.7	-2.5	-4.7	-5.3	-0.4	3.0	-5.3
8	-5.7	-6.0	-6.8	-7.9	-7.5	-7.2	-4.8	-0.9	2.6	5.3	6.7	7.7	9.1	9.9	10.3	10.5	10.9	11.0	10.3	6.8	3.8	2.1	1.1	-1.0	2.5	11.0	-7.9
9	-2.5	-4.3	-5.1	-5.3	-4.2	-2.7	-1.0	1.5	5.4	6.1	5.9	5.3	5.8	6.7	7.0	6.9	7.6	7.7	7.1	6.3	4.2	2.1	-0.1	-0.8	2.5	7.7	-5.3
10	-2.0	-2.5	-3.7	-5.2	-5.6	-6.2	-3.7	1.6	3.7	4.4	4.4	4.6	5.0	4.3	4.8	4.4	3.8	3.6	2.9	2.3	1.9	1.2	0.9	-0.2	1.0	5.0	-6.2
11	-0.5	-1.2	-2.9	-1.9	-0.9	-1.0	-0.5	0.3	-0.1	-0.2	0.0	1.2	1.9	1.6	1.1	1.2	1.1	0.5	0.0	-0.8	-1.0	-1.1	-2.4	-4.2	-0.4	1.9	-4.2
12	-4.5	-3.8	-3.9	-6.3	-7.5	-7.4	-3.7	-1.3	1.7	3.4	4.3	5.7	6.6	7.3	7.8	7.5	8.3	7.8	6.9	4.3	0.4	-1.2	-3.6	-5.1	1.0	8.3	-7.5
13	-6.0	-6.9	-7.3	-7.7	-8.3	-8.0	-4.0	0.7	6.7	9.5	10.2	10.3	10.7	11.9	12.9	12.1	11.1	11.5	10.6	7.4	5.0	2.0	-0.1	-1.9	3.4	12.9	-8.3
14	-4.4	-5.0	-5.8	-6.2	-6.5	-6.6	-3.8	2.7	8.7	11.5	12.6	12.0	12.6	13.2	13.7	13.7	13.8	13.3	12.4	9.9	7.2	5.5	4.7	2.8	5.5	13.8	-6.6
15	1.9	0.6	-0.7	-2.1	-3.2	-2.9	0.6	6.0	11.7	14.0	15.4	15.6	17.0	18.1	17.8	17.3	17.7	17.2	15.3	12.9	8.6	7.7	7.0	6.3	9.2	18.1	-3.2
16	5.8	4.9	4.5	4.1	2.8	2.6	3.0	5.1	7.2	8.5	9.7	10.7	11.8	13.0	11.3	9.3	10.6	11.0	9.5	8.5	7.6	6.6	5.4	4.0	7.4	13.0	2.6
17	2.9	3.8	4.3	4.8	4.6	4.9	5.6	6.5	7.6	9.3	11.8	13.0	14.7	15.3	15.0	14.8	14.8	15.1	13.4	12.1	8.2	7.2	7.0	5.4	9.3	15.3	2.9
18	3.3	1.6	1.6	1.3	1.4	1.0	2.2	4.3	6.4	8.2	9.8	8.9	8.4	6.4	6.4	7.3	8.7	9.0	8.7	7.7	5.9	5.5	4.7	3.2	5.5	9.8	1.0
19	2.0	1.5	1.7	2.1	1.9	3.2	4.3	5.0	5.6	6.4	7.2	9.8	11.5	11.9	9.4	12.3	12.1	11.3	10.2	7.8	5.6	3.1	1.2	-0.3	6.1	12.3	-0.3
20	-1.5	-2.4	-3.4	-3.8	-4.3	-4.3	-0.1	4.8	8.7	10.4	11.7	12.8	14.3	14.9	15.3	14.5	12.8	9.3	9.4	7.5	5.7	4.5	3.2	1.9	5.9	15.3	-4.3
21	1.4	0.6	-0.1	-0.7	-1.5	-0.9	1.8	6.5	11.7	13.9	15.1	16.0	16.9	17.7	17.9	18.4	18.2	18.9	18.1	14.7	13.2	9.8	7.9	6.4	10.1	18.9	-1.5
22	4.6	3.6	3.2	3.8	2.3	1.9	5.4	9.7	14.2	16.5	18.0	19.6	20.0	19.9	20.7	21.2	21.6	21.3	20.5	17.0	12.1	10.1	8.6	6.1	12.6	21.6	1.9
23	5.4	3.6	2.0	2.2	2.6	2.1	6.0	11.5	16.6	20.2	21.8	22.9	23.5	22.7	24.1	23.9	23.4	22.3	17.9	15.9	14.8	13.4	13.9	11.5	14.3	24.1	2.0
24	9.7	8.3	4.7	3.9	3.1	4.4	7.3	11.4	13.4	15.9	17.6	17.9	18.2	17.0	16.1	17.1	15.9	15.6	13.4	11.2	10.0	9.1	7.9	7.2	11.5	18.2	3.1
25	5.9	5.1	4.4	4.1	2.5	2.0	3.9	8.3	11.2	12.9	14.1	15.2	16.2	17.4	18.3	18.6	19.0	18.8	18.5	15.0	11.4	8.6	7.3	6.8	11.1	19.0	2.0
26	6.8	5.6	5.5	4.3	2.9	3.7	7.1	11.5	15.2	16.6	17.7	17.5	20.0	20.9	20.7	20.1	19.5	19.8	17.7	15.1	13.1	12.4	10.5	9.0	13.0	20.9	2.9
27	7.3	7.2	6.2	5.5	3.0	3.2	7.1	10.5	12.9	14.2	16.3	16.8	17.2	17.1	18.5	19.1	18.4	16.0	13.1	11.7	11.0	8.8	8.0	6.6	11.5	19.1	3.0
28	5.0	4.5	8.6	10.3	9.1	9.3	10.7	12.7	14.2	16.3	17.4	19.3	21.4	22.6	23.7	23.0	20.5	19.5	19.2	14.9	11.5	11.0	11.5	10.6	14.5	23.7	4.5
29	10.2	8.9	8.5	8.3	7.3	6.5	6.4	6.5	7.1	8.2	9.8	11.5	12.2	13.7	14.1	14.5	14.7	14.4	13.6	10.8	6.5	4.2	3.2	1.2	9.3	14.7	1.2
30	0.4	-1.3	-1.7	-2.7	-3.3	-3.1	0.9	6.5	12.8	14.0	14.8	15.8	16.3	17.1	17.4	18.1	18.5	17.9	17.2	15.7	13.9	12.6	11.7	11.1	10.0	18.5	-3.3
31	12.1	10.5	6.7	5.1	3.8	3.7	5.9	8.9	12.4	12.6	11.1	12.8	14.5	16.5	16.8	17.3	11.7	8.2	8.6	8.9	6.9	5.2	4.5	3.3	9.5	17.3	3.3
Avg	1.9	1.1	0.5	0.2	-0.3	-0.2	1.9	5.2	8.3	9.9	11.0	11.9	12.7	13.0	13.1	13.1	12.8	12.2	11.1	9.0	6.8	5.4	4.3	3.0	7.0	14.0	-1.5
Max	12.1	10.5	8.6	10.3	9.1	9.3	10.7	12.7	16.6	20.2	21.8	22.9	23.5	22.7	24.1	23.9	23.4	22.3	20.5	17.0	14.8	13.4	13.9	11.5	14.5	24.1	4.5
Min	-6.0	-6.9	-7.3	-7.9	-8.3	-8.0	-4.8	-1.3	-0.6	-0.2	0.0	1.2	1.7	1.6	1.1	1.2	1.1	0.5	0.0	-0.8	-1.7	-2.5	-4.7	-5.3	-0.4	1.9	-8.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
June 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	2.0	1.1	0.8	0.3	0.0	1.1	2.9	6.2	9.7	11.2	11.8	11.1	11.6	9.4	8.7	7.7	8.6	10.5	11.0	9.7	6.2	4.4	3.3	2.5	6.3	11.8	0.0
2	1.7	0.5	-0.2	-0.4	-1.2	-0.7	2.4	7.2	11.3	13.5	15.1	16.1	17.0	16.0	16.0	17.6	18.0	18.1	18.2	16.1	11.1	9.1	7.2	5.2	9.8	18.2	-1.2
3	4.2	3.0	1.6	1.6	2.3	3.9	6.6	10.4	15.3	16.6	17.8	18.3	17.6	18.2	18.8	18.3	18.2	17.9	16.6	13.7	10.8	8.9	9.7	8.8	11.6	18.8	1.6
4	6.5	3.8	3.0	1.4	0.8	1.9	7.8	10.6	11.6	12.8	13.4	13.7	14.2	14.4	14.9	15.5	16.7	16.7	16.0	14.2	9.1	6.6	4.8	3.1	9.7	16.7	0.8
5	1.7	1.3	0.5	0.0	-0.1	1.0	4.8	11.1	13.7	14.7	15.5	16.0	16.7	16.6	16.7	16.3	14.4	12.4	10.5	9.0	6.8	6.2	6.2	5.2	9.0	16.7	-0.1
6	5.1	5.5	6.0	6.0	5.8	5.5	5.2	5.2	5.9	6.5	6.9	8.7	10.0	11.9	13.0	13.7	13.8	12.5	9.3	8.0	6.0	5.1	5.0	4.8	7.7	13.8	4.8
7	4.5	3.8	4.0	3.8	2.7	2.0	4.5	7.8	9.8	11.4	13.1	13.3	12.6	13.0	14.5	14.7	14.1	13.3	12.6	11.9	9.7	8.8	7.9	6.6	9.2	14.7	2.0
8	5.1	4.8	4.6	3.1	2.5	3.1	5.7	7.6	11.2	12.9	13.8	14.5	14.9	16.3	16.4	16.1	16.2	16.5	16.1	13.7	10.3	8.1	4.2	2.5	10.0	16.5	2.5
9	2.3	0.9	-0.6	-1.0	-1.7	-0.9	4.1	11.2	15.7	15.4	16.6	18.4	18.5	19.0	19.1	18.6	19.3	18.7	17.3	14.9	13.3	10.7	8.2	8.8	11.1	19.3	-1.7
10	6.9	3.6	1.8	0.8	-0.5	-0.1	4.5	10.1	13.4	14.5	15.9	17.0	17.8	18.2	18.0	17.9	17.4	17.3	14.1	12.6	11.4	10.0	8.2	6.6	10.7	18.2	-0.5
11	5.8	4.8	4.2	1.7	-0.7	-0.1	3.3	7.3	8.8	9.2	9.6	10.3	11.0	12.4	13.3	13.3	13.1	13.0	12.4	10.4	7.0	5.7	4.9	3.1	7.7	13.3	-0.7
12	2.1	2.6	1.8	2.1	2.6	4.4	7.4	9.1	10.1	10.8	12.7	14.8	15.1	15.3	15.6	15.6	16.2	15.6	14.8	14.6	13.8	12.9	12.6	10.5	10.5	16.2	1.8
13	8.2	6.2	8.5	9.2	8.2	8.4	9.2	8.9	9.3	9.3	11.5	13.8	9.7	10.5	13.0	13.7	13.2	12.3	10.7	5.6	4.3	4.5	4.5	4.1	9.0	13.8	4.1
14	3.3	2.6	3.1	3.8	4.0	3.9	4.0	5.1	6.5	7.3	6.0	5.4	5.0	5.2	5.9	5.3	4.8	4.7	5.4	5.0	4.9	4.0	4.0	4.1	4.7	7.3	2.6
15	4.0	4.0	4.2	2.9	1.0	1.0	3.9	5.8	7.1	8.7	10.0	11.4	12.0	12.6	13.1	14.0	14.1	13.4	12.0	11.2	9.7	8.5	7.7	7.3	8.3	14.1	1.0
16	6.8	6.5	6.0	5.8	5.7	5.9	6.2	7.3	8.8	10.1	11.2	11.9	12.3	10.1	8.4	10.5	10.2	9.3	8.8	8.1	7.9	7.3	7.1	6.9	8.3	12.3	5.7
17	7.1	7.2	7.3	7.1	7.0	7.0	7.3	7.5	7.1	6.5	6.8	8.2	9.5	10.3	10.3	10.0	9.9	10.0	9.4	9.0	7.4	6.0	5.1	4.4	7.8	10.3	4.4
18	4.5	4.7	4.3	3.5	3.1	3.6	3.7	4.0	4.5	5.5	6.5	7.0	7.4	6.1	6.3	6.8	5.5	4.5	4.5	4.6	4.7	4.8	4.8	4.5	5.0	7.4	3.1
19	4.3	4.4	4.7	4.8	4.6	4.7	4.9	5.6	7.7	9.3	9.6	10.0	11.2	11.8	12.3	14.0	15.4	13.9	12.1	10.9	9.0	7.7	6.2	4.3	8.5	15.4	4.3
20	3.1	2.1	2.0	1.6	0.9	1.5	5.3	11.5	15.7	16.6	17.1	18.0	18.8	15.0	9.8	13.3	16.0	16.5	11.8	10.4	9.5	8.4	7.8	7.4	10.0	18.8	0.9
21	6.3	5.5	4.2	3.3	2.6	2.5	4.5	9.0	11.7	13.8	14.9	15.8	16.7	17.2	17.8	18.2	18.5	18.5	17.3	14.7	11.8	10.9	9.9	8.7	11.4	18.5	2.5
22	8.7	7.6	6.1	4.9	3.7	4.6	7.8	11.9	13.9	15.3	15.6	16.3	13.4	9.3	9.4	9.6	10.5	11.2	10.9	10.5	8.9	7.4	6.7	5.8	9.6	16.3	3.7
23	5.5	5.7	5.1	4.4	3.6	3.2	4.5	7.9	11.7	14.8	15.9	14.6	14.5	14.7	11.0	13.1	14.8	15.8	16.0	14.4	10.1	8.9	8.0	6.3	10.2	16.0	3.2
24	5.5	5.4	4.1	4.0	2.4	3.3	7.3	12.2	Au	Au	Au	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.5	12.2	2.4
25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Avg	4.8	4.1	3.6	3.1	2.5	2.9	5.3	8.4	10.5	11.6	12.5	13.2	13.4	13.2	13.1	13.6	13.9	13.6	12.5	11.0	8.9	7.6	6.7	5.7	8.9	14.9	2.0
Max	8.7	7.6	8.5	9.2	8.2	8.4	9.2	12.2	15.7	16.6	17.8	18.4	18.8	19.0	19.1	18.6	19.3	18.7	18.2	16.1	13.8	12.9	12.6	10.5	11.6	19.3	5.7
Min	1.7	0.5	-0.6	-1.0	-1.7	-0.9	2.4	4.0	4.5	5.5	6.0	5.4	5.0	5.2	5.9	5.3	4.8	4.5	4.5	4.6	4.3	4.0	3.3	2.5	4.7	7.3	-1.7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
April 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.62	0.53	1.24	1.79	1.28	1.89	1.32	1.16	1.25	0.93	0.67	-0.72	0.37	0.49	0.45	0.09	0.00	0.05	0.07	0.16	0.09	0.15	0.31	0.62	0.62	1.89	-0.72
2	1.26	0.70	1.00	0.79	0.26	-0.07	-0.05	-0.10	-0.18	-0.49	-0.73	-0.20	-0.02	0.21	0.28	0.17	0.10	0.10	0.62	1.18	0.36	0.44	1.23	0.93	0.32	1.26	-0.73
3	0.67	0.45	0.10	0.37	0.88	1.22	1.24	0.93	0.93	1.74	-0.03	0.14	-0.04	0.16	0.04	-0.07	0.21	1.27	1.32	0.60	0.78	1.58	1.59	1.65	0.74	1.74	-0.07
4	1.36	1.11	1.20	1.75	2.29	1.09	0.70	0.84	1.43	0.54	0.42	0.40	0.46	0.55	0.25	0.45	0.57	0.50	0.28	0.38	0.41	0.18	0.50	0.52	0.76	2.29	0.18
5	0.61	0.99	0.65	0.73	1.01	1.05	1.05	1.09	0.49	0.28	0.27	0.21	0.21	0.22	0.24	0.32	0.40	0.47	0.50	0.58	0.83	1.14	0.67	0.72	0.61	1.14	0.21
6	0.71	0.33	0.26	0.37	0.34	0.21	0.20	0.21	0.22	0.22	0.26	0.35	0.44	0.53	0.39	0.15	0.18	0.23	0.04	0.27	0.29	0.38	0.44	0.62	0.32	0.71	0.04
7	0.94	0.81	0.90	0.41	0.30	0.66	0.86	0.62	1.11	2.00	0.44	0.65	0.71	0.84	1.01	1.16	1.33	1.32	1.42	1.40	1.06	2.23	1.11	0.58	0.99	2.23	0.30
8	0.43	0.59	0.68	0.98	0.68	1.34	0.95	0.93	0.84	0.57	1.95	1.70	1.42	1.31	1.04	1.72	1.84	1.99	1.26	2.16	2.54	1.92	4.57	2.53	1.50	4.57	0.43
9	2.80	3.20	2.89	1.46	1.25	2.43	1.86	1.05	0.96	0.90	0.68	0.67	0.72	0.74	0.79	0.79	0.87	0.97	0.94	0.88	0.70	0.82	0.81	0.76	1.25	3.20	0.67
10	1.38	0.94	1.14	0.82	0.79	0.66	1.00	0.99	0.43	0.32	0.31	0.43	0.56	0.73	0.87	1.00	1.08	0.87	0.99	0.96	0.86	0.74	0.52	0.61	0.79	1.38	0.31
11	0.86	0.70	0.86	0.66	0.63	0.72	0.49	0.31	0.10	1.19	0.52	0.61	0.74	0.88	0.91	1.04	1.16	1.52	1.57	1.37	1.04	1.13	0.68	0.84	0.86	1.57	0.10
12	0.51	0.67	0.49	0.19	0.05	0.04	0.02	-0.06	-0.09	-0.12	-0.16	-0.15	-0.18	-0.20	-0.24	-0.21	-0.21	-0.16	-0.11	-0.08	-0.08	-0.09	-0.05	-0.06	-0.01	0.67	-0.24
13	-0.06	-0.08	0.42	0.33	0.41	0.16	0.20	0.46	0.02	-0.07	-0.22	-0.20	-0.11	-0.13	-0.10	-0.03	0.02	0.20	0.31	0.98	1.29	0.51	0.16	0.14	0.19	1.29	-0.22
14	0.14	0.10	1.06	1.30	0.91	0.81	0.43	0.23	0.25	0.05	-0.02	0.01	0.06	0.20	0.24	0.41	0.62	0.91	1.13	1.19	1.87	1.13	0.43	0.87	0.60	1.87	-0.02
15	0.73	1.50	1.43	0.90	0.62	1.51	1.17	0.63	0.81	0.59	0.49	0.43	0.37	0.36	0.15	0.00	0.03	-0.03	-0.01	-0.01	-0.02	-0.01	-0.02	0.00	0.48	1.51	-0.03
16	0.02	0.69	0.78	0.83	1.73	0.54	0.69	1.70	0.42	0.29	-0.14	-0.05	-0.22	-0.42	-0.13	-0.12	0.17	0.19	0.28	0.41	0.54	0.21	0.12	0.17	0.36	1.73	-0.42
17	0.10	0.11	0.24	0.23	0.37	0.21	0.46	0.04	-0.11	-0.17	-0.02	-0.19	-0.14	-0.02	0.45	0.98	1.00	0.91	1.15	0.31	0.81	0.95	0.18	0.34	0.34	1.15	-0.19
18	0.57	0.84	0.83	0.54	0.31	0.26	0.09	0.19	0.16	0.04	0.06	0.25	0.26	-0.12	-0.05	0.14	0.11	0.28	0.44	0.63	0.68	0.81	0.90	0.79	0.38	0.90	-0.12
19	0.81	0.85	1.16	1.26	0.34	0.34	0.37	-0.20	-0.03	-0.29	0.08	0.18	0.37	0.56	0.62	0.67	0.92	0.33	0.70	0.67	0.38	0.40	0.53	0.88	0.50	1.26	-0.29
20	0.90	0.97	0.93	0.69	0.45	0.62	0.44	0.24	0.10	0.05	-0.01	0.07	0.16	0.24	0.39	0.47	0.53	0.77	1.04	1.40	1.70	0.53	0.28	0.32	0.55	1.70	-0.01
21	0.65	0.57	0.58	0.75	0.86	1.02	0.32	-0.10	-0.03	-0.42	-0.18	-0.16	-0.15	0.70	0.38	0.47	1.19	1.30	0.43	0.28	0.42	0.94	0.99	0.83	0.48	1.30	-0.42
22	1.08	0.55	1.29	1.40	0.79	1.20	0.75	0.59	0.48	0.91	0.66	0.82	1.50	0.96	1.41	1.96	1.00	0.35	0.40	0.16	0.10	0.06	0.00	0.02	0.77	1.96	0.00
23	0.03	-0.03	0.00	0.01	-0.02	0.08	0.20	0.13	0.04	-0.02	-0.03	-0.12	-0.10	-0.12	-0.22	-0.19	-0.08	-0.09	0.16	0.19	0.07	0.05	0.02	0.02	-0.00	0.20	-0.22
24	0.00	-0.03	-0.02	0.00	0.04	0.38	-0.06	-0.16	-0.14	-0.10	-0.23	-0.20	-0.04	-0.07	-0.11	-0.14	-0.10	-0.12	0.12	0.64	0.70	0.17	0.44	0.39	0.06	0.70	-0.23
25	0.42	0.56	0.53	0.37	0.37	0.29	-0.01	-0.06	-0.07	-0.11	-0.27	-0.13	-0.29	-0.33	-0.32	-0.11	0.32	0.27	0.34	0.17	0.14	0.09	0.05	0.07	0.10	0.56	-0.33
26	0.13	0.09	0.21	0.20	0.23	0.20	0.12	0.19	-0.14	-0.23	-0.40	-0.46	-0.47	-0.68	-0.78	-0.39	-0.47	-0.15	-0.08	-0.06	-0.04	-0.07	-0.08	-0.04	-0.13	0.23	-0.78
27	-0.04	-0.03	0.09	0.26	0.21	0.21	0.07	-0.23	-0.41	-0.50	-0.64	-1.11	-1.09	-0.90	-0.52	-0.29	-0.30	-0.32	-0.03	1.31	0.87	0.31	0.39	0.13	-0.11	1.31	-1.11
28	0.03	0.00	0.14	0.26	0.29	0.37	-0.13	-0.25	-0.48	-0.59	-0.69	-0.62	-0.87	-0.89	-0.75	-0.82	-0.64	-0.44	-0.15	0.61	0.78	1.03	0.72	1.28	-0.08	1.28	-0.89
29	1.22	1.28	0.83	1.21	1.04	0.32	-0.02	-0.28	-0.41	-0.77	-0.62	-0.58	-0.53	-0.59	-0.71	-0.66	-0.65	-0.59	0.02	0.97	1.66	0.94	0.47	0.67	0.18	1.66	-0.77
30	0.87	1.44	1.02	0.77	0.94	0.83	-0.12	-0.27	-0.37	-0.68	-0.87	-0.98	-0.96	-1.05	-0.97	-0.99	-0.85	-0.26	0.66	1.00	0.40	0.38	0.50	0.84	0.05	1.44	-1.05
Avg	0.66	0.68	0.76	0.72	0.65	0.69	0.49	0.36	0.25	0.20	0.05	0.03	0.10	0.14	0.17	0.27	0.34	0.42	0.53	0.69	0.71	0.64	0.62	0.60	0.45	1.49	-0.22
Max	2.80	3.20	2.89	1.79	2.29	2.43	1.86	1.70	1.43	2.00	1.95	1.70	1.50	1.31	1.41	1.96	1.84	1.99	1.57	2.16	2.54	2.23	4.57	2.53	1.50	4.57	0.67
Min	-0.06	-0.08	-0.02	0.00	-0.02	-0.07	-0.13	-0.28	-0.48	-0.77	-0.87	-1.11	-1.09	-1.05	-0.97	-0.99	-0.85	-0.59	-0.15	-0.08	-0.08	-0.09	-0.08	-0.06	-0.13	0.20	-1.11

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
May 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.91	1.12	1.19	0.85	1.33	1.15	0.04	-0.40	-0.30	-0.92	-1.16	-1.18	-1.22	-1.24	-1.04	-1.00	-0.93	-0.66	0.00	0.84	0.17	0.27	0.30	0.60	-0.05	1.33	-1.24
2	0.77	0.85	0.74	0.95	0.93	0.84	-0.11	-0.37	-0.73	-1.00	-1.16	-1.35	-1.30	-1.38	-1.27	-1.11	-0.84	-0.69	-0.07	0.19	0.29	0.29	0.20	0.21	-0.21	0.95	-1.38
3	0.69	0.70	0.50	-0.06	-0.06	-0.11	-0.15	-0.27	-0.53	-0.74	-0.88	-0.99	-1.32	-1.32	-0.96	-0.98	-0.85	-0.63	-0.43	0.04	0.06	0.20	0.46	0.55	-0.30	0.70	-1.32
4	0.17	0.01	-0.11	-0.11	-0.11	-0.15	-0.14	-0.25	-0.18	-0.19	-0.37	-0.64	-1.25	-0.47	-0.81	-0.70	-0.90	-0.70	-0.07	0.42	0.23	0.13	0.24	0.07	-0.25	0.42	-1.25
5	0.13	0.10	0.03	0.41	0.20	0.00	-0.31	-0.33	-0.30	-0.73	-1.13	-1.35	-1.12	-0.94	-0.94	-0.72	-0.07	-0.20	-0.17	0.10	0.13	0.07	0.02	0.04	-0.29	0.41	-1.35
6	-0.01	0.05	0.16	0.16	0.18	0.10	-0.14	-0.26	-0.38	-0.68	-0.88	-0.95	-0.59	-0.78	-0.68	-0.54	-0.54	-0.43	-0.25	-0.14	-0.09	0.04	-0.06	-0.09	-0.28	0.18	-0.95
7	-0.07	-0.09	-0.09	-0.05	-0.06	-0.09	-0.19	-0.26	-0.34	-0.43	-0.47	-0.93	-0.92	-0.40	-0.44	-0.46	-0.42	-0.56	-0.27	0.18	0.34	0.55	1.21	1.01	-0.14	1.21	-0.93
8	0.99	0.80	0.74	0.84	0.66	0.26	-0.17	-0.36	-0.41	-1.03	-1.20	-1.16	-1.40	-1.47	-1.27	-1.11	-0.95	-0.77	-0.23	0.99	0.46	0.14	0.17	0.55	-0.21	0.99	-1.47
9	0.82	1.24	1.08	1.43	0.57	0.21	-0.15	-0.18	-0.31	-0.65	-0.53	-0.56	-0.61	-0.74	-0.40	-0.56	-0.57	-0.26	-0.01	0.22	0.58	0.97	1.37	1.33	0.18	1.43	-0.74
10	1.01	0.63	0.82	1.08	0.87	0.75	-0.11	-0.47	-0.51	-0.55	-0.53	-0.70	-0.87	-0.74	-0.84	-0.62	-0.40	-0.40	-0.22	-0.05	0.02	0.00	0.07	0.41	-0.06	1.08	-0.87
11	0.21	0.32	0.97	0.28	0.12	0.10	-0.20	-0.40	-0.58	-0.58	-0.67	-0.91	-0.84	-0.68	-0.55	-0.61	-0.63	-0.44	-0.31	-0.01	0.14	0.08	0.43	0.71	-0.17	0.97	-0.91
12	0.56	0.25	0.36	1.07	0.89	0.59	-0.36	-0.31	-0.59	-0.79	-0.86	-1.03	-1.05	-1.26	-1.26	-0.70	-1.08	-0.90	-0.43	0.71	0.89	0.26	0.92	0.87	-0.14	1.07	-1.26
13	1.20	1.43	1.27	1.25	1.38	1.02	-0.20	-0.34	-0.62	-1.21	-1.24	-0.93	-0.83	-1.23	-1.44	-0.95	-0.34	-0.62	-0.33	0.82	0.87	0.38	0.58	0.89	0.03	1.43	-1.44
14	1.76	1.37	1.30	1.51	1.14	1.46	0.18	-0.27	-0.51	-1.06	-1.29	-0.72	-0.82	-0.85	-0.94	-0.75	-0.72	-0.32	0.08	1.22	0.47	0.06	0.07	0.58	0.12	1.76	-1.29
15	0.30	0.59	0.72	1.25	1.33	0.83	-0.15	-0.33	-0.61	-1.07	-1.24	-0.81	-1.14	-1.51	-1.06	-0.74	-0.74	-0.26	-0.37	0.22	0.19	0.27	0.12	0.20	-0.17	1.33	-1.51
16	0.15	0.23	0.30	0.48	0.53	0.09	-0.13	-0.28	-0.39	-0.43	-0.63	-0.83	-0.65	-0.73	-0.38	-0.32	-0.37	-0.39	-0.18	0.03	0.10	0.15	0.32	0.29	-0.13	0.53	-0.83
17	0.37	0.02	-0.05	-0.02	-0.04	-0.09	-0.15	-0.20	-0.30	-0.48	-0.62	-0.62	-0.80	-1.08	-0.76	-0.55	-0.44	-0.21	-0.03	0.02	0.09	0.00	0.02	0.20	-0.24	0.37	-1.08
18	0.45	0.64	0.32	0.31	0.16	0.17	-0.13	-0.22	-0.14	-0.27	-0.77	-0.51	-0.28	-0.11	-0.18	-0.29	-0.43	-0.40	-0.27	0.01	0.18	0.18	0.08	0.57	-0.04	0.64	-0.77
19	0.40	0.49	0.76	0.39	0.10	0.27	0.00	-0.17	-0.28	-0.30	-0.38	-1.08	-1.42	-1.38	-0.40	-1.09	-0.76	-0.56	-0.23	0.24	0.62	0.37	0.35	0.57	-0.15	0.76	-1.42
20	0.55	0.57	0.90	0.79	0.96	1.07	-0.20	-0.28	-0.44	-0.59	-0.91	-0.93	-1.17	-1.16	-0.99	-0.66	-0.10	0.25	-0.16	0.05	0.11	0.03	0.19	0.65	-0.06	1.07	-1.17
21	1.02	1.47	1.09	1.35	0.96	0.83	-0.08	-0.24	-0.38	-0.74	-0.95	-0.75	-0.80	-0.89	-0.63	-0.89	-0.54	-0.64	-0.24	0.31	0.46	0.83	0.19	0.30	0.04	1.47	-0.95
22	0.74	0.65	0.47	0.25	0.60	0.61	-0.23	-0.37	-0.50	-0.67	-0.77	-1.13	-0.99	-0.70	-0.79	-0.79	-0.79	-0.59	-0.23	0.73	0.08	0.16	0.18	0.59	-0.15	0.74	-1.13
23	0.47	1.17	1.07	1.23	0.82	1.33	-0.05	-0.29	-0.43	-0.64	-0.96	-1.25	-1.22	-0.78	-1.17	-0.91	-0.54	-0.02	1.07	0.55	0.56	0.31	0.53	0.75	0.07	1.33	-1.25
24	0.21	0.45	0.89	1.45	1.23	1.22	0.08	-0.20	-0.15	-0.58	-0.84	-0.56	-0.55	-0.58	-0.53	-0.69	-0.89	-0.46	-0.29	-0.01	-0.03	0.12	0.21	0.10	-0.02	1.45	-0.89
25	-0.04	-0.03	-0.05	-0.07	0.14	-0.12	-0.22	-0.27	-0.32	-0.71	-0.95	-0.99	-0.92	-1.11	-1.04	-0.84	-0.72	-0.44	-0.18	0.79	0.22	0.71	0.69	0.44	-0.25	0.79	-1.11
26	0.58	1.01	0.69	1.04	1.25	0.31	-0.15	-0.41	-0.80	-0.84	-0.81	-0.54	-1.00	-1.09	-0.84	-0.76	-0.42	-0.43	0.28	0.29	0.60	0.71	1.06	1.45	0.05	1.45	-1.09
27	1.27	0.72	0.73	0.60	1.26	0.19	-0.35	-0.39	-0.59	-0.60	-1.14	-1.03	-0.90	-0.53	-0.81	-0.80	-0.63	-0.06	0.25	0.11	0.22	0.52	0.19	0.48	-0.05	1.27	-1.14
28	1.14	1.93	1.44	0.48	0.33	0.15	-0.15	-0.48	-0.86	-0.99	-0.75	-0.66	-0.98	-0.92	-0.85	-0.55	-0.19	-0.33	-0.20	0.29	0.62	0.53	0.27	0.43	-0.01	1.93	-0.99
29	0.26	0.58	0.40	0.00	0.02	-0.02	-0.23	-0.40	-0.54	-0.75	-1.20	-1.36	-1.13	-1.45	-1.39	-1.12	-0.96	-0.74	-0.37	0.69	0.83	0.25	0.42	0.94	-0.30	0.94	-1.45
30	0.59	0.91	0.58	1.03	1.07	1.09	-0.30	-0.39	-1.05	-1.04	-0.99	-1.00	-0.82	-0.88	-0.65	-0.68	-0.68	-0.44	-0.15	0.06	0.27	0.77	0.70	1.22	-0.03	1.22	-1.05
31	0.36	0.91	1.52	1.26	1.24	0.81	-0.21	-0.29	-0.49	-0.28	-0.16	-0.54	-0.57	-1.08	-0.89	-0.87	0.05	-0.01	-0.06	-0.04	0.30	0.26	0.42	0.26	0.08	1.52	-1.08
Avg	0.58	0.68	0.67	0.69	0.65	0.48	-0.15	-0.31	-0.47	-0.69	-0.85	-0.90	-0.95	-0.95	-0.85	-0.75	-0.59	-0.43	-0.13	0.32	0.32	0.31	0.38	0.55	-0.10	1.06	-1.14
Max	1.76	1.93	1.52	1.51	1.38	1.46	0.18	-0.17	-0.14	-0.19	-0.16	-0.51	-0.28	-0.11	-0.18	-0.29	0.05	0.25	1.07	1.22	0.89	0.97	1.37	1.45	0.18	1.93	-0.74
Min	-0.07	-0.09	-0.11	-0.11	-0.11	-0.15	-0.36	-0.48	-1.05	-1.21	-1.29	-1.36	-1.42	-1.51	-1.44	-1.12	-1.08	-0.90	-0.43	-0.14	-0.09	0.00	-0.06	-0.09	-0.30	0.18	-1.51

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
June 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.63	0.45	-0.02	-0.04	0.25	-0.07	-0.14	-0.21	-0.44	-0.69	-0.50	-0.16	-0.29	-0.20	-0.07	0.01	-0.46	-0.45	-0.28	0.02	0.24	0.36	0.17	0.15	-0.07	0.63	-0.69
2	0.14	0.25	0.22	0.32	0.61	0.48	-0.09	-0.38	-0.51	-0.52	-0.65	-0.73	-0.73	-0.46	-0.46	-0.50	-0.45	-0.32	-0.32	0.48	0.72	0.26	0.35	0.72	-0.07	0.72	-0.73
3	0.78	1.15	1.50	0.96	1.03	0.26	-0.10	-0.18	-0.44	-0.66	-0.85	-0.99	-0.85	-1.10	-1.21	-0.75	-0.52	-0.35	-0.26	0.28	1.03	0.60	0.57	0.67	0.02	1.50	-1.21
4	0.92	0.59	0.45	0.64	0.80	0.35	-0.22	-0.47	-0.65	-0.95	-1.15	-1.11	-0.97	-0.93	-0.91	-0.94	-1.05	-0.77	-0.35	0.60	0.86	0.48	0.53	0.58	-0.15	0.92	-1.15
5	0.94	0.62	0.85	1.13	0.90	0.11	-0.36	-0.46	-0.77	-1.03	-1.17	-1.24	-1.29	-1.18	-1.26	-1.29	-1.22	-1.00	-0.49	-0.23	0.13	-0.11	-0.13	0.05	-0.35	1.13	-1.29
6	-0.10	-0.14	-0.14	-0.13	-0.15	-0.18	-0.21	-0.26	-0.50	-0.71	-0.60	-0.81	-0.68	-0.90	-1.02	-1.09	-0.79	-0.85	-0.29	-0.01	0.32	0.46	0.16	0.27	-0.35	0.46	-1.09
7	0.21	0.94	0.45	0.37	0.54	0.09	-0.28	-0.44	-0.53	-0.68	-1.09	-0.81	-0.75	-0.51	-0.77	-0.69	-0.28	-0.12	0.06	0.18	0.73	0.62	0.47	0.51	-0.07	0.94	-1.09
8	0.65	0.47	0.43	0.84	0.64	0.30	-0.19	-0.30	-0.45	-0.78	-0.96	-0.83	-0.74	-0.99	-0.80	-0.59	-0.37	-0.46	-0.11	0.74	0.71	0.58	1.41	1.29	0.02	1.41	-0.99
9	0.72	0.79	1.49	1.22	1.42	0.57	-0.33	-0.37	-0.76	-0.62	-1.12	-1.25	-0.88	-0.76	-0.65	-0.37	-0.53	-0.27	0.13	0.82	1.52	1.42	2.18	0.87	0.22	2.18	-1.25
10	0.74	1.42	1.08	1.02	1.50	0.70	-0.30	-0.42	-0.74	-0.79	-0.97	-1.08	-1.06	-1.01	-0.92	-0.85	-0.43	-0.47	0.13	0.15	0.31	0.05	0.33	0.62	-0.04	1.50	-1.08
11	0.76	1.06	0.85	1.44	1.43	0.34	-0.32	-0.46	-0.61	-0.87	-0.75	-0.79	-1.00	-1.31	-1.41	-1.10	-0.88	-0.78	-0.49	-0.16	0.67	0.47	0.52	1.05	-0.10	1.44	-1.41
12	1.28	1.04	1.55	1.03	1.13	0.92	-0.31	-0.77	-1.11	-1.40	-1.47	-1.60	-1.36	-1.20	-0.77	-0.50	-0.53	-0.20	0.04	0.02	0.07	0.32	0.54	1.16	-0.09	1.55	-1.60
13	1.19	0.84	0.25	0.21	0.65	0.12	-0.12	-0.20	-0.12	-0.12	-0.73	-1.06	-0.63	-1.06	-1.05	-0.81	-0.31	-0.04	0.03	0.11	-0.08	-0.04	-0.10	-0.02	-0.13	1.19	-1.06
14	0.15	0.06	-0.07	-0.01	0.03	0.05	-0.17	-0.19	-0.44	-0.40	-0.42	-0.29	-0.38	-0.40	-0.36	-0.26	-0.13	-0.18	-0.10	-0.09	-0.05	-0.02	-0.08	-0.15	-0.16	0.15	-0.44
15	-0.03	-0.03	-0.01	0.22	0.59	0.20	-0.26	-0.33	-0.46	-0.74	-0.78	-0.97	-1.01	-0.92	-0.98	-0.81	-0.48	-0.09	-0.19	-0.02	-0.02	0.12	0.04	-0.03	-0.29	0.59	-1.01
16	-0.07	-0.05	-0.05	-0.02	-0.05	-0.12	-0.12	-0.30	-0.53	-0.70	-0.71	-0.57	-0.37	-0.13	-0.45	-0.48	-0.22	-0.16	-0.11	-0.02	0.00	-0.02	-0.04	-0.02	-0.22	0.00	-0.71
17	-0.03	-0.01	-0.02	-0.07	-0.10	-0.06	-0.13	-0.19	-0.17	-0.39	-0.95	-1.25	-1.19	-1.26	-1.11	-0.94	-0.69	-0.59	-0.27	-0.19	0.14	0.30	0.06	0.07	-0.38	0.30	-1.26
18	-0.10	0.05	0.06	-0.07	-0.05	0.01	-0.12	-0.21	-0.34	-0.58	-0.70	-0.48	-0.47	-0.31	-0.26	-0.20	-0.09	-0.12	-0.08	-0.04	0.03	0.06	0.05	0.06	-0.16	0.06	-0.70
19	0.00	-0.03	0.04	0.01	-0.03	-0.08	-0.10	-0.06	0.00	-0.03	0.04	0.08	-0.23	-0.09	-0.01	-0.35	-0.56	0.11	0.42	0.35	0.42	0.45	0.69	0.64	0.07	0.69	-0.56
20	0.54	0.61	0.48	0.58	0.51	0.40	-0.26	-0.32	-0.47	-0.72	-0.82	-0.93	-0.82	0.12	0.02	-0.50	-0.40	-0.05	0.03	0.07	0.22	0.10	0.14	0.01	-0.06	0.61	-0.93
21	0.21	0.38	0.11	0.28	0.16	-0.04	-0.24	-0.26	-0.49	-0.74	-0.80	-0.92	-0.85	-0.74	-0.84	-0.71	-0.65	-0.56	-0.21	0.55	0.83	0.94	0.31	0.69	-0.15	0.94	-0.92
22	0.60	0.66	0.57	0.70	0.66	0.06	-0.23	-0.34	-0.55	-0.85	-0.89	-0.98	-0.11	0.11	0.04	-0.10	-0.11	-0.23	-0.17	-0.08	0.13	0.21	0.06	0.19	-0.03	0.70	-0.98
23	0.19	0.01	0.14	0.16	0.50	0.12	-0.14	-0.28	-0.33	-0.49	-0.71	-0.36	-0.37	-0.38	-0.10	-0.47	-0.62	-0.46	-0.26	0.20	0.51	0.26	0.17	0.44	-0.09	0.51	-0.71
24	0.55	0.37	0.65	0.61	1.07	0.77	-0.26	-0.33	Au	Au	Au	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.43	1.07	-0.33
25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Avg	0.45	0.48	0.45	0.47	0.59	0.22	-0.21	-0.32	-0.50	-0.67	-0.82	-0.83	-0.74	-0.68	-0.67	-0.62	-0.51	-0.37	-0.14	0.16	0.41	0.34	0.37	0.43	-0.11	0.88	-0.97
Max	1.28	1.42	1.55	1.44	1.50	0.92	-0.09	-0.06	0.00	-0.03	0.04	0.08	-0.11	0.12	0.04	0.01	-0.09	0.11	0.42	0.82	1.52	1.42	2.18	1.29	0.43	2.18	-0.33
Min	-0.10	-0.14	-0.14	-0.13	-0.15	-0.18	-0.36	-0.77	-1.11	-1.40	-1.47	-1.60	-1.36	-1.31	-1.41	-1.29	-1.22	-1.00	-0.49	-0.23	-0.08	-0.11	-0.13	-0.15	-0.38	0.00	-1.60

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
April 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0	0.0	0.0	0.0	0.0	0.0	41.2	133.1	335.8	456.2	747.0	865.0	449.8	365.7	266.9	225.0	120.8	76.8	18.6	0.0	0.0	0.0	0.0	0.0	170.9	865.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	19.2	106.4	212.7	388.3	636.9	815.0	847.0	821.0	730.6	403.3	313.3	205.3	34.7	0.0	0.0	0.0	0.0	0.0	230.6	847.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.8	57.2	246.6	409.0	578.0	776.5	834.0	822.0	800.0	750.9	284.4	380.7	130.8	29.3	0.0	0.0	0.0	0.0	0.0	254.2	834.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	26.0	117.2	230.5	345.8	622.2	847.0	771.7	348.7	212.3	302.4	142.0	103.3	16.9	0.0	0.0	0.0	0.0	0.0	170.3	847.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.3	38.7	243.3	481.1	609.6	587.9	585.9	688.4	665.4	411.2	318.9	269.8	168.2	60.3	0.0	0.0	0.0	0.0	0.0	213.7	688.4	0.0
6	0.0	0.0	0.0	0.0	0.0	1.7	28.2	67.4	166.1	276.8	497.7	570.0	575.2	621.2	454.2	418.3	165.3	215.5	13.4	0.1	0.0	0.0	0.0	0.0	169.6	621.2	0.0
7	0.0	0.0	0.0	0.0	0.0	0.8	65.0	213.8	276.5	559.6	680.5	752.8	814.0	852.0	707.9	565.0	328.1	279.6	71.0	0.1	0.0	0.0	0.0	0.0	256.9	852.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.8	41.4	94.0	161.8	191.6	261.0	308.2	295.4	397.1	376.6	590.5	431.6	221.7	47.8	0.1	0.0	0.0	0.0	0.0	142.5	590.5	0.0
9	0.0	0.0	0.0	0.0	0.0	1.1	55.1	245.9	211.1	65.7	79.6	390.4	493.2	648.8	636.9	426.9	396.9	138.9	30.7	0.2	0.0	0.0	0.0	0.0	159.2	648.8	0.0
10	0.0	0.0	0.0	0.0	0.0	1.6	67.1	202.5	362.9	578.7	773.2	853.0	878.0	822.0	623.5	618.5	356.3	239.0	48.4	0.3	0.0	0.0	0.0	0.0	267.7	878.0	0.0
11	0.0	0.0	0.0	0.0	0.0	1.2	34.0	78.0	132.6	235.8	383.2	856.0	886.0	843.0	762.5	470.0	386.6	202.4	26.7	0.5	0.0	0.0	0.0	0.0	220.8	886.0	0.0
12	0.0	0.0	0.0	0.0	0.0	1.1	37.5	121.0	303.2	435.8	600.0	532.0	366.8	303.2	259.2	251.4	181.5	68.3	15.1	0.0	0.0	0.0	0.0	0.0	144.8	600.0	0.0
13	0.0	0.0	0.0	0.0	0.0	2.9	55.1	230.0	507.0	674.0	802.0	882.0	902.0	863.0	768.8	634.1	444.4	156.9	89.4	1.4	0.0	0.0	0.0	0.0	292.2	902.0	0.0
14	0.0	0.0	0.0	0.0	0.0	3.8	113.2	304.5	496.6	662.4	792.2	864.0	877.0	832.0	760.8	556.9	471.5	220.8	58.3	0.4	0.0	0.0	0.0	0.0	292.3	877.0	0.0
15	0.0	0.0	0.0	0.0	0.0	1.1	19.1	57.1	87.8	139.0	159.6	258.3	325.6	218.6	189.1	171.6	99.7	62.5	25.2	0.5	0.0	0.0	0.0	0.0	75.6	325.6	0.0
16	0.0	0.0	0.0	0.0	0.0	2.8	56.0	189.8	418.9	539.3	819.0	899.0	431.9	547.4	518.8	415.7	322.2	199.6	51.4	0.9	0.0	0.0	0.0	0.0	225.5	899.0	0.0
17	0.0	0.0	0.0	0.0	0.0	5.0	80.2	252.2	369.2	518.2	439.0	456.9	450.9	509.2	371.8	261.6	109.3	77.0	33.6	2.1	0.0	0.0	0.0	0.0	164.0	518.2	0.0
18	0.0	0.0	0.0	0.0	0.0	2.5	38.5	64.4	131.5	246.6	470.0	593.3	430.0	529.7	346.9	491.8	479.6	301.0	88.6	2.5	0.0	0.0	0.0	0.0	175.7	593.3	0.0
19	0.0	0.0	0.0	0.0	0.0	8.2	138.4	325.5	511.5	679.8	808.0	887.0	904.0	862.0	746.9	501.8	357.0	280.9	90.7	2.3	0.0	0.0	0.0	0.0	296.0	904.0	0.0
20	0.0	0.0	0.0	0.0	0.0	15.3	134.2	316.8	505.7	689.9	818.0	892.0	944.0	862.0	784.1	649.8	476.9	274.9	95.3	3.2	0.0	0.0	0.0	0.0	310.9	944.0	0.0
21	0.0	0.0	0.0	0.0	0.0	14.2	136.2	317.0	504.5	656.9	694.4	829.0	895.0	904.0	753.0	556.7	344.1	186.7	47.8	7.4	0.0	0.0	0.0	0.0	285.3	904.0	0.0
22	0.0	0.0	0.0	0.0	0.0	14.5	109.4	293.2	337.2	469.5	612.3	727.9	509.0	293.0	231.2	68.0	42.5	29.0	4.1	1.9	0.0	0.0	0.0	0.0	155.9	727.9	0.0
23	0.0	0.0	0.0	0.0	0.0	5.3	42.4	100.6	256.2	482.3	488.8	683.4	433.1	606.0	624.6	472.1	243.1	208.4	29.2	2.0	0.0	0.0	0.0	0.0	194.9	683.4	0.0
24	0.0	0.0	0.0	0.0	0.0	19.6	141.3	258.2	243.8	189.9	271.0	356.4	232.3	284.5	356.7	339.2	243.8	234.7	93.5	3.7	0.0	0.0	0.0	0.0	136.2	356.7	0.0
25	0.0	0.0	0.0	0.0	0.0	12.0	81.1	183.9	224.8	322.9	476.3	425.7	385.1	573.8	647.8	265.6	136.9	61.5	31.6	2.1	0.0	0.0	0.0	0.0	159.6	647.8	0.0
26	0.0	0.0	0.0	0.0	0.0	3.9	31.4	36.7	93.7	186.7	395.2	399.2	383.0	645.4	664.5	338.6	315.1	64.1	19.8	2.0	0.0	0.0	0.0	0.0	149.1	664.5	0.0
27	0.0	0.0	0.0	0.0	0.0	18.2	81.6	284.0	396.6	375.1	468.8	941.0	949.0	658.7	319.8	244.9	266.9	280.6	136.4	6.2	0.0	0.0	0.0	0.0	226.2	949.0	0.0
28	0.0	0.0	0.0	0.0	0.0	29.3	145.9	173.9	366.2	379.9	491.1	433.4	628.6	630.7	612.5	586.2	443.1	301.5	129.5	8.9	0.0	0.0	0.0	0.0	223.4	630.7	0.0
29	0.0	0.0	0.0	0.0	0.0	12.3	76.7	198.9	301.4	697.4	623.0	470.3	451.0	532.3	608.1	541.9	508.5	403.8	98.5	9.8	0.0	0.0	0.0	0.0	230.6	697.4	0.0
30	0.0	0.0	0.0	0.0	0.0	33.0	189.7	378.3	565.8	724.7	849.0	922.0	936.0	898.0	790.6	669.6	486.4	226.5	70.9	4.9	0.0	0.0	0.0	0.0	322.7	936.0	0.0
Avg	0.0	0.0	0.0	0.0	0.0	7.1	72.7	194.5	320.1	445.2	570.8	671.0	631.8	624.6	543.0	421.4	308.8	187.3	53.6	2.1	0.0	0.0	0.0	0.0	210.6	743.9	0.0
Max	0.0	0.0	0.0	0.0	0.0	33.0	189.7	378.3	565.8	724.7	849.0	941.0	949.0	904.0	790.6	669.6	508.5	403.8	136.4	9.8	0.0	0.0	0.0	0.0	322.7	949.0	0.0
Min	0.0	0.0	0.0	0.0	0.0	0.0	19.1	36.7	87.8	65.7	79.6	258.3	232.3	218.6	189.1	68.0	42.5	29.0	4.1	0.0	0.0	0.0	0.0	0.0	75.6	325.6	0.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
May 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0	0.0	0.0	0.0	0.0	33.2	188.1	369.7	552.1	706.0	817.0	898.0	916.0	844.0	738.8	675.4	506.4	325.2	128.2	9.2	0.0	0.0	0.0	0.0	321.1	916.0	0.0
2	0.0	0.0	0.0	0.0	0.0	43.0	240.6	375.0	548.4	709.7	766.3	879.0	890.0	854.0	752.2	606.5	404.3	302.3	75.2	13.8	0.0	0.0	0.0	0.0	310.8	890.0	0.0
3	0.0	0.0	0.0	0.0	0.0	5.5	54.9	116.9	193.0	258.4	297.8	343.3	588.5	480.8	286.8	312.7	232.0	132.7	95.5	14.2	0.0	0.0	0.0	0.0	142.2	588.5	0.0
4	0.0	0.0	0.0	0.0	0.0	6.6	20.8	60.8	75.7	208.9	453.1	568.4	809.0	272.8	753.8	436.9	548.7	306.4	87.1	11.9	0.0	0.0	0.0	0.0	192.5	809.0	0.0
5	0.0	0.0	0.0	0.0	0.0	42.8	176.0	215.2	317.6	645.0	773.7	788.7	606.9	511.1	691.5	296.6	73.0	211.1	75.8	24.0	0.0	0.0	0.0	0.0	227.0	788.7	0.0
6	0.0	0.0	0.0	0.0	0.0	24.0	79.2	184.1	273.9	402.0	480.8	514.7	275.1	415.7	339.2	234.6	220.3	140.0	36.6	8.0	0.0	0.0	0.0	0.0	151.2	514.7	0.0
7	0.0	0.0	0.0	0.0	0.0	11.3	41.5	120.5	116.1	176.2	245.5	311.6	354.8	290.8	279.8	215.3	113.1	136.0	94.6	11.6	0.0	0.0	0.0	0.0	104.9	354.8	0.0
8	0.0	0.0	0.0	0.0	0.4	17.1	172.9	389.0	576.3	677.9	872.0	795.8	945.0	928.0	745.2	589.1	496.3	323.1	147.0	18.4	0.0	0.0	0.0	0.0	320.6	945.0	0.0
9	0.0	0.0	0.0	0.0	0.6	25.2	53.0	154.2	213.6	336.9	323.2	314.6	427.2	432.5	193.0	338.2	255.1	135.4	80.4	12.9	0.0	0.0	0.0	0.0	137.3	432.5	0.0
10	0.0	0.0	0.0	0.0	0.2	34.6	235.8	401.0	350.2	266.0	229.4	410.9	508.4	454.0	459.5	282.4	175.2	173.9	69.5	9.6	0.0	0.0	0.0	0.0	169.2	508.4	0.0
11	0.0	0.0	0.0	0.0	0.0	8.2	70.5	121.5	146.5	214.4	341.7	532.3	386.7	262.4	239.8	276.0	254.8	167.6	96.9	9.6	0.0	0.0	0.0	0.0	130.4	532.3	0.0
12	0.0	0.0	0.0	0.0	1.3	77.8	239.4	421.6	605.2	825.0	657.7	1014	806.0	684.1	665.9	365.5	552.0	354.5	174.3	26.0	0.0	0.0	0.0	0.0	311.3	1014	0.0
13	0.0	0.0	0.0	0.0	1.6	75.3	227.7	379.8	613.0	759.9	727.1	547.9	486.0	699.5	834.0	459.0	157.6	292.2	162.1	21.5	0.0	0.0	0.0	0.0	268.5	834.0	0.0
14	0.0	0.0	0.0	0.0	1.5	34.3	189.9	415.5	561.7	721.6	776.8	386.4	448.0	393.0	501.1	308.4	303.8	171.3	91.0	21.5	0.0	0.0	0.0	0.0	221.9	776.8	0.0
15	0.0	0.0	0.0	0.0	1.6	69.0	218.4	381.9	548.8	736.1	729.7	408.8	661.3	825.0	505.0	414.5	364.9	174.9	188.4	18.9	0.0	0.0	0.0	0.0	260.3	825.0	0.0
16	0.0	0.0	0.0	0.0	1.8	23.3	72.9	225.8	407.6	385.8	499.4	525.6	593.0	484.3	177.2	306.8	272.7	169.2	65.2	8.4	0.0	0.0	0.0	0.0	175.8	593.0	0.0
17	0.0	0.0	0.0	0.0	0.9	15.5	51.6	111.8	206.8	407.3	892.0	507.7	724.5	606.2	434.8	308.6	304.0	167.9	64.3	2.1	0.0	0.0	0.0	0.0	200.3	892.0	0.0
18	0.0	0.0	0.0	0.0	1.7	45.5	147.5	170.7	125.8	247.1	505.9	187.1	199.5	54.4	170.1	351.9	336.4	174.7	121.7	34.2	0.0	0.0	0.0	0.0	119.8	505.9	0.0
19	0.0	0.0	0.0	0.0	0.1	10.9	53.0	147.0	150.6	165.8	221.3	790.3	992.0	819.0	329.7	751.3	410.7	291.8	150.6	19.3	0.2	0.0	0.0	0.0	221.0	992.0	0.0
20	0.0	0.0	0.0	0.0	2.8	94.4	259.2	432.0	617.6	683.1	920.0	926.0	1028	908.0	911.0	463.4	96.5	72.7	192.1	27.7	0.1	0.0	0.0	0.0	318.1	1028	0.0
21	0.0	0.0	0.0	0.0	3.1	90.7	259.0	436.6	612.0	765.9	888.0	968.0	986.0	934.0	659.9	679.5	520.0	416.3	197.6	39.5	0.2	0.0	0.0	0.0	352.3	986.0	0.0
22	0.0	0.0	0.0	0.0	3.7	83.5	248.1	428.7	604.7	754.9	819.0	956.0	785.4	521.4	646.4	646.7	579.3	374.7	196.7	42.4	0.2	0.0	0.0	0.0	320.5	956.0	0.0
23	0.0	0.0	0.0	0.0	3.6	79.9	245.1	426.4	603.6	741.1	878.0	963.0	1046	565.9	920.0	658.9	485.3	209.7	27.8	24.6	0.1	0.0	0.0	0.0	328.3	1046	0.0
24	0.0	0.0	0.0	0.0	2.6	35.5	129.5	248.8	165.8	669.2	770.7	564.4	332.2	350.1	547.9	498.9	491.8	244.9	80.8	20.7	0.5	0.0	0.0	0.0	214.8	770.7	0.0
25	0.0	0.0	0.0	0.0	2.5	58.8	230.5	411.9	454.7	695.6	844.0	829.0	795.4	932.0	821.0	568.8	531.2	330.5	190.8	25.3	0.1	0.0	0.0	0.0	321.8	932.0	0.0
26	0.0	0.0	0.0	0.0	5.0	100.9	215.7	437.0	614.2	788.9	525.5	453.7	935.0	813.0	516.6	462.9	349.1	273.5	61.0	12.8	0.1	0.0	0.0	0.0	273.5	935.0	0.0
27	0.0	0.0	0.0	0.0	4.1	101.0	271.7	429.5	569.2	453.7	785.7	712.2	630.2	408.9	676.4	774.3	366.3	58.1	17.7	6.5	0.3	0.0	0.0	0.0	261.1	785.7	0.0
28	0.0	0.0	0.0	0.0	8.4	113.9	244.2	429.3	580.1	755.8	700.4	819.0	956.0	905.0	742.3	383.0	187.2	233.9	160.7	39.5	0.7	0.0	0.0	0.0	302.5	956.0	0.0
29	0.0	0.0	0.0	0.0	0.5	38.4	105.7	157.2	246.4	400.8	837.0	898.0	741.8	963.0	859.0	732.0	568.3	393.6	228.7	63.0	1.8	0.0	0.0	0.0	301.5	963.0	0.0
30	0.0	0.0	0.0	0.0	4.0	81.4	253.5	438.1	609.6	760.5	894.0	852.0	668.6	581.3	428.7	628.2	422.4	317.9	174.0	35.3	0.4	0.0	0.0	0.0	297.9	894.0	0.0
31	0.0	0.0	0.0	0.0	4.1	84.3	133.7	236.5	401.9	155.1	93.5	586.4	581.4	888.0	590.6	589.5	49.7	28.9	80.4	59.5	0.7	0.0	0.0	0.0	190.2	888.0	0.0
Avg	0.0	0.0	0.0	0.0	1.8	50.5	165.5	299.2	408.5	531.4	631.2	653.3	680.8	615.6	561.8	471.5	342.9	229.2	116.5	22.3	0.2	0.0	0.0	0.0	240.9	801.7	0.0
Max	0.0	0.0	0.0	0.0	8.4	113.9	271.7	438.1	617.6	825.0	920.0	1014	1046	963.0	920.0	774.3	579.3	416.3	228.7	63.0	1.8	0.0	0.0	0.0	352.3	1046	0.0
Min	0.0	0.0	0.0	0.0	0.0	5.5	20.8	60.8	75.7	155.1	93.5	187.1	199.5	54.4	170.1	215.3	49.7	28.9	17.7	2.1	0.0	0.0	0.0	0.0	104.9	354.8	0.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
June 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.0	0.0	0.0	0.0	8.2	56.9	155.3	377.8	572.1	549.0	548.4	234.7	191.5	124.5	81.5	38.1	363.2	389.1	216.2	48.0	1.5	0.0	0.0	0.0	164.8	572.1	0.0
2	0.0	0.0	0.0	0.0	6.3	118.3	273.0	445.8	616.2	769.7	810.0	857.0	775.0	440.1	573.3	575.1	399.1	339.1	256.3	71.1	1.2	0.0	0.0	0.0	305.3	857.0	0.0
3	0.0	0.0	0.0	0.0	4.2	37.1	150.1	318.2	438.5	587.7	778.5	832.0	678.6	842.0	888.0	535.6	447.9	310.0	220.2	65.3	1.0	0.0	0.0	0.0	297.3	888.0	0.0
4	0.0	0.0	0.0	0.0	6.5	103.1	264.0	328.2	455.5	663.8	779.3	755.9	740.0	709.2	673.3	712.7	654.1	437.1	224.4	66.1	1.5	0.0	0.0	0.0	315.6	779.3	0.0
5	0.0	0.0	0.0	0.0	5.6	103.6	268.9	448.7	619.8	773.7	890.0	969.0	928.0	860.0	809.0	734.5	575.1	429.9	185.3	92.1	2.0	0.0	0.0	0.0	362.3	969.0	0.0
6	0.0	0.0	0.0	0.0	0.5	15.0	33.5	53.1	125.8	244.2	293.5	647.9	493.3	641.3	873.0	770.6	572.0	369.9	82.1	57.8	1.8	0.0	0.0	0.0	219.8	873.0	0.0
7	0.0	0.0	0.0	0.0	6.9	85.8	214.6	431.6	376.7	772.3	839.0	516.4	485.6	516.0	559.8	466.7	252.2	189.5	107.0	85.1	1.8	0.0	0.0	0.0	246.1	839.0	0.0
8	0.0	0.0	0.0	0.0	2.5	36.1	103.1	280.6	547.3	737.1	856.0	747.2	639.7	770.7	636.0	387.1	327.0	319.3	171.2	59.3	1.9	0.0	0.0	0.0	275.9	856.0	0.0
9	0.0	0.0	0.0	0.0	6.2	112.5	275.0	413.7	598.0	504.3	885.0	949.0	625.6	591.4	534.4	390.1	465.5	320.2	165.1	39.6	1.1	0.0	0.0	0.0	286.5	949.0	0.0
10	0.0	0.0	0.0	0.0	7.2	110.5	281.1	461.1	634.2	722.5	894.0	984.0	883.0	799.9	673.3	580.4	419.7	378.5	82.8	46.7	1.8	0.0	0.0	0.0	331.7	984.0	0.0
11	0.0	0.0	0.0	0.0	7.4	115.3	208.3	444.2	290.0	515.9	429.3	448.9	765.5	895.0	923.0	710.2	463.0	421.2	225.7	84.5	2.0	0.0	0.0	0.0	289.6	923.0	0.0
12	0.0	0.0	0.0	0.0	11.5	89.4	230.7	406.1	563.8	693.0	846.0	831.0	670.1	626.5	501.3	342.6	313.1	100.3	33.3	39.6	2.5	0.0	0.0	0.0	262.5	846.0	0.0
13	0.0	0.0	0.0	0.0	7.1	90.0	88.1	190.1	85.1	142.8	779.7	750.5	438.4	768.3	715.2	520.2	224.5	91.7	15.0	1.8	0.0	0.0	0.0	0.0	204.5	779.7	0.0
14	0.0	0.0	0.0	0.0	2.6	14.6	124.3	166.7	375.6	282.9	265.6	184.9	246.4	259.8	214.1	154.9	60.5	72.8	54.3	13.5	0.6	0.0	0.0	0.0	103.9	375.6	0.0
15	0.0	0.0	0.0	0.0	5.6	117.6	218.5	245.0	406.7	662.5	592.2	763.8	734.2	593.7	735.7	708.8	394.2	132.8	147.4	48.9	1.4	0.0	0.0	0.0	271.2	763.8	0.0
16	0.0	0.0	0.0	0.0	1.3	31.9	100.4	338.2	551.4	712.1	716.3	707.9	361.4	65.1	357.0	483.2	91.1	69.4	65.7	18.7	0.3	0.0	0.0	0.0	194.6	716.3	0.0
17	0.0	0.0	0.0	0.0	0.3	13.3	32.9	57.1	121.5	240.0	742.6	912.0	919.0	928.0	726.0	645.8	408.1	310.9	190.1	118.1	5.0	0.0	0.0	0.0	265.4	928.0	0.0
18	0.0	0.0	0.0	0.0	1.5	18.5	68.2	96.0	171.6	329.0	401.9	255.4	282.1	177.3	212.2	144.9	73.1	49.1	39.8	15.4	2.0	0.0	0.0	0.0	97.4	401.9	0.0
19	0.0	0.0	0.0	0.0	0.6	14.5	15.0	35.1	106.3	188.4	95.5	66.3	248.8	192.9	157.7	436.7	537.0	111.2	63.2	34.9	2.6	0.0	0.0	0.0	96.1	537.0	0.0
20	0.0	0.0	0.0	0.0	13.2	86.5	287.8	467.8	628.3	793.8	862.0	948.0	901.0	112.3	91.3	650.8	533.8	220.0	3.6	1.9	0.0	0.0	0.0	0.0	275.1	948.0	0.0
21	0.0	0.0	0.0	0.0	8.4	67.3	259.7	445.8	632.1	759.8	892.0	961.0	979.0	943.0	875.0	755.0	587.0	446.0	233.5	57.6	3.7	0.0	0.0	0.0	371.1	979.0	0.0
22	0.0	0.0	0.0	0.0	7.3	135.1	191.1	336.2	505.8	620.9	674.1	778.9	131.3	38.1	46.3	116.8	162.3	195.1	90.7	56.6	5.0	0.0	0.0	0.0	170.5	778.9	0.0
23	0.0	0.0	0.0	0.0	5.7	28.3	124.8	435.9	603.5	799.7	815.0	373.2	417.5	427.6	117.4	546.4	520.5	421.7	246.5	78.3	3.7	0.0	0.0	0.0	248.6	815.0	0.0
24	0.0	0.0	0.0	0.0	8.2	112.4	265.3	439.4	Au	Au	Au	927.0	916.0	880.0	519.5	174.6	25.4	61.4	119.8	48.2	1.1	0.0	0.0	0.0	214.2	927.0	0.0
25	0.0	0.0	0.0	0.0	3.9	66.9	171.2	264.1	496.4	673.7	759.7	943.0	765.9	807.0	704.6	588.5	331.5	207.7	62.4	24.9	2.2	0.0	0.0	0.0	286.4	943.0	0.0
26	0.0	0.0	0.0	0.0	5.5	14.9	95.5	96.8	132.2	193.0	311.3	408.2	650.6	774.4	161.4	34.4	204.6	172.3	51.7	47.6	3.3	0.0	0.0	0.0	139.9	774.4	0.0
27	0.0	0.0	0.0	0.0	3.2	23.7	134.2	221.1	400.7	649.9	328.1	340.2	460.3	450.9	731.6	555.1	457.4	67.4	69.5	0.4	0.4	0.0	0.0	0.0	203.9	731.6	0.0
28	0.0	0.0	0.0	0.0	3.2	39.9	171.4	219.1	412.5	347.9	742.1	676.8	816.0	519.4	589.9	555.2	507.4	284.5	225.7	53.1	4.0	0.0	0.0	0.0	257.0	816.0	0.0
29	0.0	0.0	0.0	0.0	5.8	111.2	272.2	349.0	452.8	354.9	302.9	539.8	963.0	1000	826.0	640.3	477.8	387.1	191.7	33.9	3.6	0.0	0.0	0.0	288.0	1000	0.0
30	0.0	0.0	0.0	0.0	3.1	42.8	103.3	153.6	149.3	286.6	95.9	146.0	253.7	327.4	862.0	564.3	369.2	285.7	215.0	70.9	3.3	0.0	0.0	0.0	163.8	862.0	0.0
Avg	0.0	0.0	0.0	0.0	5.3	67.1	172.7	298.9	416.2	536.9	628.5	648.5	612.0	569.4	545.6	484.0	373.9	253.0	135.2	49.3	2.1	0.0	0.0	0.0	240.3	813.8	0.0
Max	0.0	0.0	0.0	0.0	13.2	135.1	287.8	467.8	634.2	799.7	894.0	984.0	979.0	1000	923.0	770.6	654.1	446.0	256.3	118.1	5.0	0.0	0.0	0.0	371.1	1000	0.0
Min	0.0	0.0	0.0	0.0	0.3	13.3	15.0	35.1	85.1	142.8	95.5	66.3	131.3	38.1	46.3	34.4	25.4	49.1	3.6	0.4	0.0	0.0	0.0	0.0	96.1	375.6	0.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
April 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.20	24.19	24.18	24.18	24.17	24.16	24.16	24.15	24.15	24.15	24.16	24.16	24.14	24.13	24.13	24.13	24.14	24.15	24.15	24.15	24.15	24.15	24.15	24.15	24.16	24.20	24.13
2	24.14	24.13	24.13	24.12	24.12	24.13	24.13	24.13	24.13	24.14	24.15	24.14	24.13	24.12	24.12	24.13	24.15	24.17	24.18	24.20	24.22	24.24	24.26	24.27	24.16	24.27	24.12
3	24.29	24.29	24.30	24.31	24.32	24.33	24.35	24.35	24.36	24.36	24.38	24.37	24.36	24.36	24.35	24.34	24.34	24.33	24.32	24.31	24.31	24.30	24.30	24.30	24.33	24.38	24.29
4	24.29	24.29	24.27	24.26	24.24	24.23	24.24	24.24	24.24	24.24	24.23	24.22	24.20	24.18	24.18	24.17	24.17	24.17	24.17	24.18	24.20	24.20	24.20	24.21	24.22	24.29	24.17
5	24.21	24.21	24.21	24.21	24.22	24.23	24.24	24.25	24.26	24.26	24.26	24.26	24.26	24.26	24.25	24.25	24.25	24.26	24.26	24.27	24.28	24.27	24.27	24.27	24.25	24.28	24.21
6	24.26	24.25	24.26	24.25	24.25	24.25	24.26	24.26	24.26	24.26	24.26	24.26	24.27	24.27	24.28	24.30	24.31	24.34	24.36	24.38	24.41	24.43	24.45	24.46	24.31	24.46	24.25
7	24.47	24.47	24.48	24.49	24.50	24.51	24.52	24.52	24.52	24.52	24.51	24.51	24.51	24.51	24.51	24.50	24.50	24.51	24.52	24.52	24.53	24.53	24.53	24.52	24.51	24.53	24.47
8	24.51	24.50	24.49	24.49	24.49	24.50	24.50	24.50	24.49	24.49	24.49	24.49	24.47	24.46	24.43	24.41	24.39	24.38	24.37	24.36	24.36	24.35	24.33	24.32	24.44	24.51	24.32
9	24.31	24.30	24.28	24.27	24.25	24.25	24.26	24.25	24.26	24.26	24.27	24.28	24.28	24.28	24.28	24.28	24.28	24.29	24.29	24.31	24.33	24.35	24.35	24.35	24.29	24.35	24.25
10	24.36	24.35	24.35	24.34	24.34	24.35	24.36	24.36	24.36	24.36	24.36	24.35	24.35	24.35	24.35	24.34	24.34	24.36	24.36	24.37	24.38	24.38	24.37	24.36	24.36	24.38	24.34
11	24.35	24.34	24.33	24.32	24.32	24.31	24.30	24.29	24.28	24.28	24.27	24.25	24.22	24.22	24.21	24.20	24.19	24.19	24.20	24.21	24.23	24.23	24.24	24.24	24.26	24.35	24.19
12	24.24	24.24	24.24	24.25	24.24	24.24	24.25	24.26	24.27	24.28	24.29	24.29	24.30	24.31	24.32	24.33	24.33	24.35	24.37	24.38	24.39	24.41	24.42	24.44	24.31	24.44	24.24
13	24.45	24.45	24.45	24.46	24.48	24.50	24.51	24.53	24.54	24.55	24.55	24.56	24.57	24.57	24.57	24.57	24.57	24.57	24.57	24.58	24.60	24.61	24.61	24.61	24.54	24.61	24.45
14	24.60	24.59	24.58	24.57	24.56	24.56	24.57	24.55	24.54	24.52	24.50	24.48	24.46	24.45	24.43	24.40	24.38	24.36	24.34	24.33	24.33	24.31	24.29	24.28	24.46	24.60	24.28
15	24.26	24.25	24.23	24.22	24.20	24.19	24.19	24.18	24.17	24.16	24.15	24.14	24.11	24.11	24.13	24.13	24.14	24.16	24.17	24.19	24.21	24.22	24.23	24.24	24.18	24.26	24.11
16	24.25	24.26	24.27	24.27	24.28	24.30	24.31	24.31	24.32	24.33	24.34	24.34	24.35	24.35	24.35	24.35	24.34	24.35	24.35	24.35	24.35	24.35	24.35	24.34	24.32	24.35	24.25
17	24.34	24.33	24.32	24.32	24.31	24.31	24.31	24.32	24.32	24.32	24.31	24.31	24.29	24.26	24.24	24.22	24.22	24.22	24.20	24.19	24.20	24.19	24.16	24.15	24.27	24.34	24.15
18	24.14	24.13	24.12	24.16	24.16	24.15	24.15	24.15	24.16	24.16	24.16	24.15	24.14	24.19	24.21	24.19	24.21	24.22	24.24	24.25	24.29	24.30	24.30	24.32	24.19	24.32	24.12
19	24.31	24.31	24.32	24.34	24.34	24.35	24.35	24.36	24.36	24.36	24.36	24.35	24.34	24.34	24.33	24.31	24.30	24.29	24.28	24.28	24.29	24.28	24.28	24.27	24.32	24.36	24.27
20	24.28	24.31	24.35	24.38	24.40	24.42	24.44	24.46	24.48	24.48	24.49	24.50	24.50	24.50	24.50	24.51	24.51	24.53	24.54	24.55	24.56	24.56	24.56	24.56	24.47	24.56	24.28
21	24.57	24.57	24.57	24.58	24.59	24.59	24.59	24.60	24.59	24.57	24.56	24.55	24.53	24.50	24.48	24.45	24.44	24.42	24.39	24.37	24.37	24.36	24.34	24.32	24.50	24.60	24.32
22	24.32	24.30	24.27	24.25	24.23	24.21	24.20	24.20	24.18	24.15	24.12	24.09	24.05	24.01	23.97	23.96	23.99	23.99	23.99	23.98	23.98	24.00	23.99	24.00	24.10	24.32	23.96
23	24.01	24.03	24.03	24.04	24.06	24.07	24.09	24.11	24.12	24.13	24.14	24.15	24.15	24.14	24.14	24.15	24.16	24.17	24.18	24.19	24.20	24.21	24.20	24.21	24.13	24.21	24.01
24	24.21	24.22	24.22	24.23	24.23	24.23	24.24	24.23	24.23	24.22	24.22	24.21	24.20	24.20	24.21	24.20	24.21	24.21	24.22	24.22	24.23	24.23	24.22	24.22	24.22	24.24	24.20
25	24.22	24.21	24.20	24.20	24.19	24.19	24.20	24.20	24.20	24.19	24.19	24.18	24.16	24.15	24.13	24.11	24.09	24.09	24.08	24.08	24.08	24.06	24.04	24.03	24.14	24.22	24.03
26	24.00	23.98	23.97	23.96	23.96	23.96	23.96	23.97	23.98	23.97	23.97	23.97	23.98	23.98	23.97	23.97	23.99	24.00	24.02	24.03	24.03	24.03	24.03	24.03	23.99	24.03	23.96
27	24.04	24.04	24.04	24.05	24.07	24.08	24.09	24.09	24.09	24.09	24.09	24.09	24.08	24.08	24.08	24.09	24.09	24.10	24.11	24.12	24.13	24.15	24.15	24.16	24.09	24.16	24.04
28	24.17	24.18	24.20	24.21	24.23	24.25	24.28	24.30	24.31	24.33	24.35	24.36	24.38	24.40	24.43	24.46	24.48	24.51	24.53	24.55	24.57	24.59	24.61	24.63	24.39	24.63	24.17
29	24.64	24.66	24.67	24.68	24.70	24.72	24.75	24.77	24.79	24.80	24.80	24.81	24.81	24.80	24.81	24.81	24.81	24.81	24.81	24.81	24.81	24.82	24.82	24.82	24.77	24.82	24.64
30	24.83	24.84	24.83	24.84	24.84	24.83	24.83	24.84	24.84	24.82	24.82	24.80	24.79	24.77	24.76	24.75	24.74	24.73	24.72	24.71	24.71	24.71	24.70	24.69	24.78	24.84	24.69
Avg	24.31	24.31	24.31	24.31	24.31	24.31	24.32	24.32	24.33	24.33	24.33	24.32	24.31	24.31	24.31	24.30	24.30	24.31	24.31	24.31	24.32	24.33	24.33	24.33	24.31	24.40	24.23
Max	24.83	24.84	24.83	24.84	24.84	24.83	24.83	24.84	24.84	24.82	24.82	24.81	24.81	24.80	24.81	24.81	24.81	24.81	24.81	24.81	24.81	24.82	24.82	24.82	24.78	24.84	24.69
Min	24.00	23.98	23.97	23.96	23.96	23.96	23.96	23.97	23.98	23.97	23.97	23.97	23.98	23.98	23.97	23.96	23.99	23.99	23.99	23.98	23.98	24.00	23.99	24.00	23.99	24.03	23.96

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
May 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.68	24.66	24.64	24.65	24.65	24.64	24.64	24.65	24.63	24.61	24.60	24.58	24.56	24.55	24.54	24.52	24.51	24.50	24.48	24.48	24.48	24.48	24.47	24.46	24.57	24.68	24.46
2	24.45	24.43	24.41	24.41	24.40	24.40	24.41	24.41	24.40	24.40	24.40	24.39	24.38	24.38	24.37	24.35	24.34	24.34	24.33	24.35	24.35	24.35	24.35	24.33	24.38	24.45	24.33
3	24.33	24.32	24.31	24.32	24.33	24.33	24.32	24.32	24.32	24.31	24.31	24.30	24.29	24.28	24.27	24.25	24.26	24.26	24.25	24.25	24.26	24.27	24.26	24.26	24.29	24.33	24.25
4	24.24	24.24	24.23	24.20	24.19	24.17	24.18	24.18	24.20	24.22	24.23	24.23	24.22	24.24	24.24	24.23	24.22	24.21	24.22	24.23	24.25	24.27	24.27	24.26	24.22	24.27	24.17
5	24.26	24.26	24.26	24.25	24.25	24.26	24.26	24.26	24.26	24.25	24.24	24.23	24.22	24.23	24.21	24.20	24.22	24.22	24.22	24.23	24.24	24.25	24.24	24.24	24.24	24.26	24.20
6	24.23	24.22	24.22	24.22	24.21	24.22	24.22	24.22	24.22	24.21	24.21	24.20	24.20	24.21	24.23	24.24	24.24	24.26	24.27	24.28	24.30	24.30	24.30	24.30	24.24	24.30	24.20
7	24.29	24.28	24.28	24.28	24.28	24.28	24.28	24.29	24.29	24.29	24.30	24.29	24.29	24.28	24.28	24.27	24.28	24.29	24.29	24.29	24.30	24.30	24.30	24.30	24.29	24.30	24.27
8	24.30	24.30	24.30	24.31	24.31	24.31	24.31	24.32	24.31	24.30	24.29	24.27	24.26	24.25	24.23	24.22	24.21	24.20	24.20	24.19	24.18	24.18	24.17	24.16	24.25	24.32	24.16
9	24.14	24.13	24.12	24.12	24.10	24.10	24.10	24.11	24.12	24.12	24.12	24.13	24.12	24.13	24.13	24.14	24.15	24.16	24.17	24.18	24.20	24.21	24.22	24.21	24.14	24.22	24.10
10	24.22	24.22	24.21	24.22	24.23	24.23	24.24	24.25	24.24	24.24	24.25	24.25	24.25	24.27	24.27	24.29	24.30	24.33	24.35	24.37	24.40	24.43	24.43	24.44	24.29	24.44	24.21
11	24.44	24.44	24.45	24.47	24.49	24.50	24.51	24.53	24.54	24.55	24.56	24.56	24.56	24.56	24.57	24.58	24.59	24.60	24.61	24.62	24.63	24.64	24.65	24.65	24.55	24.65	24.44
12	24.65	24.65	24.66	24.67	24.69	24.70	24.71	24.73	24.73	24.72	24.71	24.71	24.70	24.70	24.70	24.70	24.71	24.71	24.72	24.72	24.72	24.72	24.73	24.73	24.70	24.73	24.65
13	24.73	24.73	24.74	24.75	24.75	24.75	24.76	24.77	24.77	24.76	24.75	24.75	24.75	24.74	24.73	24.72	24.71	24.71	24.71	24.72	24.72	24.73	24.73	24.73	24.74	24.77	24.71
14	24.73	24.73	24.73	24.73	24.73	24.72	24.72	24.73	24.73	24.71	24.71	24.70	24.69	24.68	24.67	24.66	24.65	24.64	24.63	24.63	24.63	24.63	24.63	24.63	24.68	24.73	24.63
15	24.61	24.61	24.60	24.59	24.58	24.59	24.60	24.60	24.59	24.57	24.57	24.55	24.54	24.52	24.51	24.50	24.49	24.47	24.47	24.46	24.50	24.53	24.55	24.56	24.55	24.61	24.46
16	24.56	24.56	24.55	24.55	24.55	24.56	24.56	24.57	24.56	24.55	24.54	24.52	24.50	24.48	24.48	24.49	24.47	24.45	24.45	24.45	24.46	24.45	24.44	24.44	24.51	24.57	24.44
17	24.44	24.43	24.42	24.41	24.41	24.41	24.41	24.40	24.40	24.39	24.38	24.36	24.34	24.32	24.31	24.29	24.28	24.26	24.24	24.25	24.28	24.28	24.28	24.27	24.34	24.44	24.24
18	24.25	24.25	24.24	24.23	24.22	24.20	24.21	24.19	24.18	24.18	24.17	24.15	24.14	24.16	24.15	24.15	24.15	24.16	24.16	24.17	24.18	24.19	24.20	24.20	24.19	24.25	24.14
19	24.20	24.20	24.21	24.22	24.23	24.24	24.25	24.26	24.26	24.26	24.27	24.27	24.27	24.28	24.28	24.28	24.29	24.30	24.32	24.34	24.36	24.37	24.38	24.38	24.28	24.38	24.20
20	24.38	24.38	24.38	24.38	24.40	24.41	24.44	24.44	24.44	24.44	24.43	24.42	24.42	24.41	24.41	24.41	24.42	24.44	24.44	24.45	24.46	24.47	24.46	24.46	24.42	24.47	24.38
21	24.46	24.46	24.45	24.46	24.46	24.48	24.49	24.48	24.48	24.47	24.47	24.47	24.45	24.45	24.44	24.44	24.43	24.42	24.43	24.44	24.47	24.48	24.49	24.49	24.46	24.49	24.42
22	24.49	24.50	24.50	24.50	24.51	24.52	24.54	24.54	24.53	24.53	24.52	24.51	24.51	24.51	24.50	24.49	24.49	24.48	24.48	24.49	24.50	24.51	24.51	24.52	24.51	24.54	24.48
23	24.52	24.52	24.52	24.52	24.51	24.52	24.52	24.51	24.49	24.48	24.47	24.46	24.45	24.43	24.41	24.39	24.38	24.36	24.36	24.37	24.38	24.40	24.41	24.41	24.45	24.52	24.36
24	24.40	24.40	24.39	24.40	24.41	24.41	24.42	24.43	24.43	24.43	24.42	24.41	24.40	24.41	24.40	24.39	24.40	24.41	24.42	24.45	24.46	24.45	24.46	24.47	24.42	24.47	24.39
25	24.47	24.47	24.47	24.48	24.48	24.48	24.50	24.50	24.49	24.48	24.48	24.47	24.46	24.44	24.42	24.40	24.39	24.38	24.38	24.38	24.39	24.40	24.40	24.40	24.44	24.50	24.38
26	24.40	24.40	24.40	24.40	24.40	24.41	24.42	24.42	24.42	24.41	24.41	24.41	24.39	24.38	24.38	24.38	24.38	24.38	24.39	24.42	24.44	24.46	24.47	24.48	24.41	24.48	24.38
27	24.48	24.49	24.50	24.51	24.51	24.52	24.53	24.53	24.52	24.51	24.50	24.48	24.48	24.47	24.46	24.43	24.42	24.41	24.44	24.45	24.43	24.44	24.44	24.42	24.47	24.53	24.41
28	24.39	24.38	24.38	24.37	24.37	24.37	24.36	24.35	24.35	24.34	24.33	24.32	24.30	24.29	24.27	24.25	24.25	24.25	24.24	24.25	24.27	24.30	24.32	24.34	24.32	24.39	24.24
29	24.37	24.37	24.38	24.40	24.41	24.43	24.45	24.47	24.47	24.48	24.48	24.48	24.49	24.49	24.49	24.50	24.49	24.49	24.50	24.50	24.51	24.53	24.54	24.54	24.47	24.54	24.37
30	24.53	24.53	24.54	24.54	24.54	24.54	24.56	24.56	24.55	24.54	24.53	24.52	24.50	24.49	24.48	24.46	24.46	24.45	24.44	24.44	24.45	24.46	24.46	24.45	24.50	24.56	24.44
31	24.43	24.42	24.40	24.40	24.40	24.40	24.40	24.40	24.40	24.40	24.42	24.40	24.39	24.37	24.36	24.34	24.38	24.41	24.39	24.40	24.40	24.41	24.41	24.41	24.40	24.43	24.34
Avg	24.42	24.42	24.42	24.42	24.42	24.42	24.43	24.43	24.43	24.42	24.42	24.41	24.40	24.40	24.39	24.39	24.39	24.39	24.39	24.40	24.41	24.42	24.42	24.42	24.41	24.47	24.35
Max	24.73	24.73	24.74	24.75	24.75	24.75	24.76	24.77	24.77	24.76	24.75	24.75	24.75	24.74	24.73	24.72	24.71	24.71	24.72	24.72	24.72	24.73	24.73	24.73	24.74	24.77	24.71
Min	24.14	24.13	24.12	24.12	24.10	24.10	24.10	24.11	24.12	24.12	24.12	24.13	24.12	24.13	24.13	24.14	24.15	24.16	24.16	24.17	24.18	24.18	24.17	24.16	24.14	24.22	24.10

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
June 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	24.40	24.40	24.41	24.41	24.41	24.42	24.42	24.43	24.43	24.43	24.43	24.43	24.43	24.44	24.45	24.47	24.48	24.46	24.46	24.47	24.47	24.48	24.47	24.47	24.44	24.48	24.40
2	24.46	24.46	24.46	24.45	24.45	24.46	24.47	24.47	24.47	24.46	24.45	24.44	24.42	24.41	24.41	24.39	24.38	24.37	24.37	24.36	24.37	24.38	24.36	24.35	24.42	24.47	24.35
3	24.34	24.33	24.32	24.30	24.29	24.29	24.28	24.28	24.28	24.28	24.28	24.28	24.29	24.29	24.29	24.29	24.29	24.30	24.31	24.34	24.35	24.37	24.39	24.39	24.31	24.39	24.28
4	24.39	24.38	24.39	24.39	24.39	24.39	24.40	24.41	24.42	24.42	24.41	24.41	24.41	24.41	24.40	24.40	24.39	24.39	24.39	24.40	24.40	24.40	24.40	24.40	24.40	24.42	24.38
5	24.39	24.39	24.39	24.39	24.38	24.39	24.40	24.40	24.40	24.39	24.39	24.39	24.39	24.39	24.39	24.39	24.40	24.41	24.43	24.45	24.45	24.48	24.48	24.48	24.41	24.48	24.38
6	24.47	24.46	24.47	24.47	24.47	24.47	24.48	24.48	24.48	24.49	24.49	24.49	24.49	24.48	24.47	24.47	24.47	24.47	24.49	24.51	24.52	24.53	24.53	24.52	24.49	24.53	24.46
7	24.52	24.52	24.52	24.51	24.51	24.51	24.51	24.51	24.51	24.50	24.49	24.48	24.49	24.48	24.48	24.48	24.48	24.48	24.49	24.50	24.51	24.52	24.52	24.52	24.50	24.52	24.48
8	24.52	24.52	24.52	24.52	24.52	24.53	24.55	24.56	24.56	24.55	24.54	24.54	24.53	24.52	24.51	24.50	24.50	24.49	24.49	24.48	24.49	24.49	24.48	24.47	24.52	24.56	24.47
9	24.46	24.45	24.44	24.43	24.42	24.42	24.42	24.41	24.40	24.39	24.37	24.35	24.34	24.33	24.33	24.33	24.33	24.33	24.34	24.35	24.35	24.36	24.35	24.36	24.38	24.46	24.33
10	24.36	24.37	24.36	24.37	24.36	24.37	24.37	24.36	24.35	24.34	24.32	24.31	24.31	24.30	24.29	24.29	24.28	24.28	24.30	24.32	24.33	24.36	24.38	24.39	24.34	24.39	24.28
11	24.40	24.40	24.41	24.41	24.41	24.43	24.45	24.46	24.46	24.47	24.48	24.49	24.49	24.49	24.49	24.49	24.49	24.50	24.50	24.51	24.52	24.53	24.52	24.51	24.47	24.53	24.40
12	24.50	24.50	24.49	24.47	24.47	24.46	24.46	24.45	24.44	24.43	24.41	24.40	24.38	24.36	24.34	24.33	24.30	24.28	24.28	24.27	24.24	24.21	24.20	24.19	24.37	24.50	24.19
13	24.19	24.17	24.19	24.18	24.19	24.18	24.19	24.21	24.20	24.21	24.20	24.18	24.21	24.22	24.21	24.21	24.21	24.21	24.23	24.26	24.29	24.30	24.30	24.28	24.22	24.30	24.17
14	24.27	24.27	24.28	24.27	24.27	24.28	24.28	24.27	24.26	24.26	24.27	24.27	24.28	24.29	24.29	24.29	24.30	24.31	24.31	24.30	24.31	24.32	24.31	24.31	24.29	24.32	24.26
15	24.30	24.29	24.29	24.28	24.28	24.28	24.29	24.28	24.27	24.27	24.26	24.25	24.24	24.24	24.23	24.21	24.20	24.20	24.20	24.19	24.19	24.20	24.20	24.20	24.24	24.30	24.19
16	24.18	24.18	24.17	24.18	24.19	24.19	24.19	24.19	24.19	24.18	24.18	24.17	24.16	24.17	24.18	24.18	24.18	24.18	24.18	24.19	24.21	24.21	24.20	24.19	24.18	24.21	24.16
17	24.18	24.17	24.17	24.17	24.17	24.17	24.17	24.18	24.19	24.21	24.23	24.24	24.25	24.26	24.27	24.29	24.30	24.30	24.30	24.32	24.33	24.34	24.33	24.32	24.24	24.34	24.17
18	24.33	24.33	24.32	24.30	24.30	24.31	24.31	24.32	24.32	24.31	24.30	24.29	24.30	24.30	24.30	24.30	24.31	24.33	24.33	24.33	24.33	24.33	24.32	24.32	24.31	24.33	24.29
19	24.32	24.33	24.33	24.34	24.35	24.36	24.36	24.36	24.38	24.38	24.39	24.40	24.41	24.41	24.41	24.41	24.40	24.41	24.42	24.41	24.42	24.42	24.42	24.43	24.39	24.43	24.32
20	24.43	24.44	24.44	24.44	24.44	24.45	24.46	24.46	24.45	24.45	24.46	24.46	24.44	24.47	24.48	24.43	24.41	24.40	24.44	24.49	24.43	24.43	24.44	24.44	24.45	24.49	24.40
21	24.44	24.44	24.45	24.44	24.45	24.46	24.47	24.47	24.47	24.46	24.46	24.46	24.46	24.45	24.45	24.44	24.44	24.44	24.45	24.46	24.47	24.49	24.50	24.50	24.46	24.50	24.44
22	24.50	24.50	24.50	24.50	24.51	24.52	24.52	24.53	24.53	24.52	24.52	24.52	24.53	24.54	24.56	24.55	24.55	24.56	24.56	24.56	24.56	24.57	24.57	24.57	24.54	24.57	24.50
23	24.57	24.57	24.56	24.56	24.56	24.56	24.57	24.58	24.58	24.57	24.56	24.57	24.57	24.57	24.59	24.57	24.56	24.55	24.55	24.55	24.56	24.57	24.57	24.56	24.57	24.59	24.55
24	24.56	24.55	24.55	24.54	24.53	24.54	24.54	24.54	Au	Au	Au	24.51	24.49	24.48	24.46	24.46	24.47	24.47	24.46	24.46	24.49	24.50	24.47	24.46	24.50	24.56	24.46
25	24.46	24.44	24.44	24.43	24.43	24.44	24.45	24.45	24.45	24.44	24.43	24.42	24.42	24.41	24.40	24.39	24.38	24.37	24.37	24.38	24.38	24.39	24.38	24.37	24.41	24.46	24.37
26	24.35	24.34	24.32	24.30	24.30	24.31	24.28	24.27	24.27	24.27	24.27	24.26	24.24	24.23	24.23	24.26	24.24	24.26	24.27	24.27	24.27	24.27	24.29	24.28	24.28	24.35	24.23
27	24.26	24.26	24.27	24.27	24.27	24.27	24.28	24.28	24.28	24.27	24.27	24.27	24.26	24.26	24.26	24.26	24.25	24.25	24.26	24.30	24.30	24.30	24.30	24.30	24.27	24.30	24.25
28	24.29	24.29	24.29	24.29	24.29	24.30	24.30	24.30	24.30	24.30	24.30	24.31	24.31	24.31	24.32	24.33	24.33	24.33	24.33	24.34	24.36	24.38	24.38	24.38	24.32	24.38	24.29
29	24.38	24.39	24.38	24.38	24.38	24.39	24.39	24.39	24.39	24.39	24.40	24.41	24.40	24.40	24.39	24.39	24.40	24.40	24.40	24.42	24.44	24.45	24.46	24.47	24.40	24.47	24.38
30	24.46	24.47	24.48	24.48	24.49	24.51	24.53	24.54	24.55	24.56	24.57	24.59	24.60	24.62	24.61	24.61	24.62	24.62	24.62	24.63	24.64	24.64	24.65	24.65	24.57	24.65	24.46
Avg	24.39	24.39	24.39	24.38	24.38	24.39	24.39	24.39	24.39	24.39	24.38	24.39	24.38	24.38	24.38	24.38	24.38	24.38	24.38	24.39	24.40	24.41	24.41	24.40	24.39	24.44	24.34
Max	24.57	24.57	24.56	24.56	24.56	24.56	24.57	24.58	24.58	24.57	24.57	24.59	24.60	24.62	24.61	24.61	24.62	24.62	24.62	24.63	24.64	24.64	24.65	24.65	24.57	24.65	24.55
Min	24.18	24.17	24.17	24.17	24.17	24.17	24.17	24.18	24.19	24.18	24.18	24.17	24.16	24.17	24.18	24.18	24.18	24.18	24.18	24.19	24.19	24.20	24.20	24.19	24.18	24.21	24.16

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
April 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	84.6	87.1	90.9	92.5	90.9	88.2	86.9	81.9	68.8	71.2	61.5	46.5	67.3	66.3	60.8	62.6	79.5	84.9	84.4	79.7	72.9	79.0	78.4	82.1	77.0	92.5	46.5
2	85.2	88.7	88.7	89.1	88.6	86.0	86.7	84.7	80.6	71.8	61.3	65.5	65.6	59.3	57.0	68.7	66.5	72.2	74.3	79.2	82.7	85.4	93.4	93.3	78.1	93.4	57.0
3	91.0	87.8	87.6	88.1	90.6	89.5	87.7	82.0	70.8	68.5	56.6	61.4	71.3	57.3	41.8	43.3	38.0	46.7	66.3	65.3	68.8	76.6	78.1	80.9	70.7	91.0	38.0
4	80.7	80.5	79.6	73.0	70.9	70.5	72.0	72.1	67.0	54.0	49.8	45.5	42.7	43.2	51.0	54.0	63.0	78.0	76.2	77.5	86.5	91.1	89.4	86.0	68.9	91.1	42.7
5	78.4	79.3	83.7	85.4	87.6	89.2	89.4	78.2	67.6	56.2	48.1	53.8	53.4	49.9	49.0	51.9	51.4	47.2	49.9	52.9	60.3	68.2	66.6	70.9	65.4	89.4	47.2
6	72.1	73.5	73.7	73.5	73.3	71.9	71.8	70.5	71.4	70.1	64.4	59.0	52.6	49.6	59.7	70.4	66.2	63.5	85.8	67.3	60.0	59.4	60.4	65.9	66.9	85.8	49.6
7	73.4	81.0	80.3	82.7	83.6	87.1	85.8	75.2	76.3	69.8	57.6	54.9	51.0	48.7	46.6	46.0	46.0	45.3	50.3	58.8	65.5	72.3	79.5	84.2	66.7	87.1	45.3
8	87.2	89.4	89.8	92.0	92.7	94.0	92.3	89.3	84.8	80.5	77.5	65.4	54.3	43.7	39.5	37.4	37.8	37.9	39.9	51.4	63.6	58.9	69.3	67.1	68.2	94.0	37.4
9	67.3	63.6	67.1	61.8	58.1	60.6	57.1	52.8	52.9	54.3	62.2	59.8	60.0	54.1	47.4	45.1	40.9	41.7	45.7	49.7	53.0	56.2	60.5	65.4	55.7	67.3	40.9
10	71.2	77.6	77.6	80.8	82.9	84.0	80.2	63.0	48.5	45.5	43.4	39.3	37.7	36.3	36.9	35.0	37.8	38.2	39.6	49.6	63.8	69.8	75.2	78.0	58.0	84.0	35.0
11	81.1	78.9	80.0	77.9	82.2	82.0	81.0	79.4	75.3	66.2	46.4	46.2	44.7	43.9	41.5	40.2	39.2	44.6	49.5	49.2	48.1	59.6	65.1	69.6	61.3	82.2	39.2
12	76.3	78.3	79.6	87.7	93.0	92.8	92.4	90.2	79.3	79.1	82.7	74.8	68.1	72.6	71.3	68.2	72.4	72.2	72.2	69.5	71.4	79.3	78.6	77.9	78.3	93.0	68.1
13	81.7	85.2	87.1	82.3	85.1	79.3	69.3	57.5	56.2	40.0	51.2	40.9	31.1	31.2	34.2	37.8	42.5	48.2	51.2	55.6	64.8	72.6	76.4	76.4	59.9	87.1	31.1
14	77.2	77.5	83.7	86.6	87.6	87.3	81.7	71.8	57.7	44.7	38.2	36.7	35.3	34.3	33.4	31.6	30.4	31.8	33.3	39.0	47.6	57.3	61.0	65.5	55.5	87.6	30.4
15	66.9	52.4	44.7	56.5	63.0	68.1	50.1	43.3	45.8	48.1	52.4	55.7	54.0	59.2	73.6	85.5	84.0	93.6	94.1	93.4	96.5	96.4	96.8	95.1	69.5	96.8	43.3
16	91.9	91.7	92.5	88.8	90.6	91.9	89.6	87.7	71.7	65.9	68.1	66.7	76.2	74.9	65.6	63.4	69.4	72.4	76.2	87.8	91.1	89.4	90.4	90.8	81.0	92.5	63.4
17	90.3	91.1	93.9	94.6	94.7	94.7	91.3	79.0	70.4	54.9	60.3	70.0	78.2	67.8	50.3	48.5	47.2	60.6	67.5	79.3	76.5	76.0	79.2	76.7	74.7	94.7	47.2
18	67.7	67.9	77.1	84.8	91.7	96.5	94.7	93.5	90.5	78.1	70.9	63.3	71.0	84.9	66.2	43.1	49.3	39.3	39.3	41.5	42.2	44.1	49.5	47.4	66.4	96.5	39.3
19	49.6	52.5	58.9	67.5	68.9	72.3	71.1	57.6	49.0	30.6	27.7	26.0	26.7	26.1	26.2	27.4	30.1	23.3	29.2	50.5	59.3	65.5	72.4	76.0	47.7	76.0	23.3
20	80.6	64.7	54.7	66.8	59.0	58.5	59.9	58.3	53.0	48.4	43.4	37.6	34.7	34.4	31.0	28.6	28.3	27.4	30.8	33.8	45.0	58.3	63.0	67.4	48.6	80.6	27.4
21	73.3	75.8	77.5	81.4	82.7	83.3	76.2	64.2	50.0	34.5	31.4	26.2	25.8	27.1	24.7	25.4	26.6	32.2	27.6	31.0	33.6	38.3	38.9	40.4	47.0	83.3	24.7
22	46.0	42.9	50.9	57.9	66.7	69.1	66.4	58.7	42.8	47.3	43.2	42.1	42.7	42.2	42.4	52.7	83.8	93.1	95.9	94.3	96.0	97.2	98.1	97.8	65.4	98.1	42.1
23	97.0	94.0	90.2	87.4	90.0	84.5	79.2	75.7	71.4	67.1	66.2	61.5	58.9	50.5	49.7	52.3	59.5	63.8	60.2	60.3	71.9	77.5	83.4	85.8	72.4	97.0	49.7
24	87.2	89.1	91.0	89.5	86.0	84.4	78.0	69.1	58.2	54.9	56.2	56.7	57.4	73.0	80.4	77.0	88.7	80.6	78.2	83.6	88.7	92.7	94.4	96.3	78.8	96.3	54.9
25	96.5	97.0	96.8	96.7	94.1	94.6	91.7	87.9	81.4	67.4	60.0	59.4	57.1	53.5	46.8	45.9	57.3	66.7	67.5	68.8	84.3	86.9	87.4	89.3	76.5	97.0	45.9
26	94.6	92.4	91.0	93.7	95.0	93.8	92.6	93.0	95.1	94.2	88.9	85.5	80.9	73.5	67.5	66.8	72.6	78.3	84.9	93.0	93.1	92.8	92.7	91.5	87.4	95.1	66.8
27	91.9	91.6	90.1	88.0	89.2	86.6	85.5	76.9	69.3	63.1	57.2	48.7	41.2	43.4	45.7	44.5	41.6	39.3	38.7	48.3	63.5	71.3	71.3	74.7	65.1	91.9	38.7
28	79.4	77.5	75.4	72.4	71.2	73.3	67.2	65.3	60.8	54.8	50.5	51.3	52.4	47.5	57.6	56.1	50.2	54.3	54.7	64.5	57.1	54.6	55.7	60.3	61.0	79.4	47.5
29	65.3	72.4	73.6	74.3	76.8	74.5	75.1	81.1	72.4	58.6	51.1	46.7	38.8	36.0	35.7	33.8	33.5	32.1	32.9	36.9	49.1	60.8	70.6	76.6	56.6	81.1	32.1
30	81.0	83.7	86.3	87.2	87.4	86.2	75.4	62.3	42.3	29.1	25.5	23.3	22.5	20.3	19.6	20.8	20.7	24.6	32.8	43.8	54.9	62.0	66.1	74.2	51.3	87.4	19.6
Avg	78.9	78.8	79.8	81.4	82.5	82.5	79.3	73.4	66.0	59.0	55.1	52.3	51.8	50.2	48.4	48.8	51.8	54.5	57.6	61.8	67.1	71.7	74.7	76.8	66.0	89.0	42.5
Max	97.0	97.0	96.8	96.7	95.0	96.5	94.7	93.5	95.1	94.2	88.9	85.5	80.9	84.9	80.4	85.5	88.7	93.6	95.9	94.3	96.5	97.2	98.1	97.8	87.4	98.1	68.1
Min	46.0	42.9	44.7	56.5	58.1	58.5	50.1	43.3	42.3	29.1	25.5	23.3	22.5	20.3	19.6	20.8	20.7	23.3	27.6	31.0	33.6	38.3	38.9	40.4	47.0	67.3	19.6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
May 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	79.0	82.9	84.1	86.0	87.6	86.0	73.2	54.9	39.7	33.9	32.8	32.0	30.3	29.3	29.3	29.2	28.9	28.9	31.9	46.3	62.3	66.5	71.2	77.7	54.3	87.6	28.9
2	82.5	85.3	88.0	88.9	89.5	89.5	79.3	60.9	39.9	32.6	29.8	28.1	27.7	31.0	32.1	35.8	40.1	44.6	62.4	72.1	78.4	83.3	86.4	86.4	61.4	89.5	27.7
3	93.2	93.6	97.1	95.5	96.1	98.5	96.7	91.2	89.0	85.3	80.9	75.8	71.6	70.6	76.7	79.5	81.7	85.6	86.3	89.5	94.8	96.5	96.3	95.8	88.2	98.5	70.6
4	96.2	96.6	96.5	96.8	95.5	97.3	96.4	96.5	93.4	96.5	86.5	77.7	64.6	69.7	75.6	63.2	54.2	49.3	47.3	56.1	74.7	75.4	87.6	91.6	80.6	97.3	47.3
5	94.3	95.3	95.2	95.2	94.6	93.6	87.3	88.3	79.7	63.4	50.9	47.4	42.1	45.6	45.5	42.3	64.3	71.0	75.7	74.2	82.2	83.7	88.0	88.9	74.5	95.3	42.1
6	90.5	90.8	93.6	96.4	96.2	95.5	94.7	82.2	63.4	50.1	48.2	44.2	64.8	66.2	77.0	81.5	80.7	79.7	80.1	81.1	82.1	82.5	84.1	84.6	78.8	96.4	44.2
7	84.1	83.5	83.0	80.7	79.1	78.7	76.2	72.6	72.5	69.1	63.3	68.8	67.0	62.1	58.5	59.6	61.6	66.8	70.1	77.5	83.2	85.9	90.6	92.1	74.4	92.1	58.5
8	92.6	90.6	91.7	91.9	90.4	91.2	86.0	73.8	63.0	48.7	39.7	36.9	33.5	30.2	31.1	30.8	31.0	31.1	32.8	44.4	58.4	65.2	69.7	76.6	59.6	92.6	30.2
9	82.7	87.4	89.7	90.3	89.3	88.0	86.5	80.5	68.2	68.9	76.9	86.2	85.9	80.4	72.8	69.6	62.1	54.6	52.5	58.0	69.8	77.7	84.5	87.1	77.1	90.3	52.5
10	88.8	91.1	93.2	93.3	94.8	92.2	83.8	71.9	60.0	56.4	58.3	62.2	59.9	64.7	58.8	59.5	61.9	63.8	65.3	68.1	67.0	64.8	61.9	69.3	71.3	94.8	56.4
11	73.3	78.8	84.2	83.2	80.7	83.0	83.0	81.8	87.3	87.0	87.5	75.5	63.9	63.6	67.2	65.9	65.9	66.8	70.4	73.6	73.9	70.8	74.3	79.8	75.9	87.5	63.6
12	82.8	81.3	79.8	84.1	88.0	84.6	72.2	59.3	41.1	36.7	37.3	30.8	30.8	32.9	33.7	33.2	31.6	31.2	32.1	38.6	54.3	64.3	72.5	78.4	54.7	88.0	30.8
13	81.4	83.7	85.1	86.3	87.2	84.4	71.7	62.1	39.6	34.6	32.4	30.9	28.6	26.1	25.1	26.1	29.6	31.1	32.8	44.5	54.0	66.3	74.0	80.1	54.1	87.2	25.1
14	85.4	88.6	89.9	90.5	91.3	89.9	84.2	63.6	41.8	35.1	31.4	31.8	31.0	30.8	31.8	32.1	32.6	34.5	37.4	44.9	57.4	64.5	67.4	74.3	56.8	91.3	30.8
15	77.8	82.1	86.6	91.2	94.0	90.0	80.2	62.9	47.9	44.1	40.7	40.6	37.2	35.1	34.8	35.2	32.6	32.7	46.5	54.7	76.3	80.4	80.6	80.7	61.0	94.0	32.6
16	81.8	86.6	88.4	89.5	94.9	93.8	92.6	83.8	69.3	61.3	58.2	56.7	51.8	47.8	64.3	80.5	65.3	66.3	76.8	81.3	86.8	91.7	93.2	94.4	77.4	94.9	47.8
17	96.6	95.6	94.3	92.8	94.3	93.1	92.0	86.2	82.0	74.6	62.7	53.5	42.9	48.5	48.3	49.5	53.4	46.9	58.0	66.7	87.4	93.6	92.2	94.5	75.0	96.6	42.9
18	96.7	99.1	98.6	98.9	97.9	97.6	95.3	95.6	93.7	88.6	80.9	78.7	78.2	88.0	86.6	79.5	73.0	76.9	74.9	77.2	85.3	87.7	93.6	95.8	88.3	99.1	73.0
19	98.5	98.4	97.8	96.5	97.4	95.4	88.7	83.6	79.3	73.4	66.5	57.1	46.6	46.8	59.2	47.0	42.6	44.8	46.6	59.2	68.1	80.0	87.8	91.2	73.0	98.5	42.6
20	94.3	96.5	96.2	96.5	95.8	92.0	82.1	71.2	55.6	47.2	44.1	38.9	33.7	29.0	24.7	35.5	47.2	72.7	70.5	73.1	80.0	80.9	85.1	90.2	68.0	96.5	24.7
21	93.8	95.1	97.0	98.4	97.8	95.9	87.4	72.0	55.1	44.3	38.0	31.1	27.2	26.1	25.1	26.6	26.9	23.7	23.6	51.3	57.6	70.3	76.9	81.5	59.3	98.4	23.6
22	87.6	90.6	91.8	89.4	92.6	90.8	83.1	71.2	53.5	39.6	37.3	31.3	29.7	31.2	29.7	21.4	17.0	20.0	26.3	38.0	51.9	57.5	62.5	71.4	54.8	92.6	17.0
23	76.9	81.4	88.9	88.0	88.6	87.5	78.2	61.5	44.0	27.1	27.8	22.2	18.8	23.3	20.1	16.9	15.9	19.8	34.4	43.0	45.6	50.1	51.2	62.0	48.9	88.9	15.9
24	67.1	69.5	82.5	85.2	87.0	83.8	77.9	63.2	59.9	48.2	42.8	41.6	43.3	51.1	56.2	51.5	65.0	59.2	68.7	82.7	88.4	94.2	96.1	94.8	69.2	96.1	41.6
25	94.5	96.0	98.9	99.6	99.7	99.8	96.3	85.2	66.4	54.5	48.9	45.0	38.0	33.3	31.5	30.8	31.5	31.0	31.9	48.0	63.7	73.9	80.6	84.3	65.1	99.8	30.8
26	86.6	90.6	92.5	93.9	97.2	94.7	85.0	66.5	49.3	44.4	43.6	44.9	34.0	31.0	30.8	34.5	34.3	32.9	43.9	53.9	58.6	58.4	64.0	68.9	59.8	97.2	30.8
27	77.4	78.5	83.0	85.3	92.2	87.9	75.3	55.4	43.8	44.3	44.1	45.2	43.6	43.3	38.6	35.9	45.2	53.9	75.2	88.7	85.6	91.7	96.3	97.0	67.0	97.0	35.9
28	99.3	99.5	93.5	87.1	89.8	88.7	84.4	77.4	74.1	64.3	58.3	48.7	41.9	40.5	39.5	42.9	56.8	64.8	64.1	75.1	83.2	85.2	79.8	82.9	71.7	99.5	39.5
29	79.2	81.2	82.9	83.3	66.5	58.9	53.8	52.9	47.8	42.2	38.4	29.7	26.5	27.1	25.3	23.5	22.6	23.7	27.0	38.3	54.5	65.4	68.0	75.1	49.7	83.3	22.6
30	79.6	83.5	87.3	88.0	90.2	87.7	74.4	59.8	42.8	44.4	41.4	37.9	36.8	34.7	34.2	33.3	30.9	36.4	39.5	48.7	55.9	56.9	64.0	66.1	56.4	90.2	30.9
31	58.4	65.1	79.3	85.2	91.3	91.3	87.6	80.2	67.0	65.4	64.1	57.4	53.0	49.6	45.2	43.1	68.7	86.2	82.7	79.3	91.8	97.0	95.5	97.7	74.3	97.7	43.1
Avg	85.6	87.7	90.0	90.6	91.2	89.7	83.4	73.2	61.6	55.0	51.4	48.0	44.7	44.8	45.5	45.0	46.9	49.4	53.8	62.2	71.4	76.2	79.9	83.6	67.1	93.8	38.8
Max	99.3	99.5	98.9	99.6	99.7	99.8	96.7	96.5	93.7	96.5	87.5	86.2	85.9	88.0	86.6	81.5	81.7	86.2	86.3	89.5	94.8	97.0	96.3	97.7	88.3	99.8	73.0
Min	58.4	65.1	79.3	80.7	66.5	58.9	53.8	52.9	39.6	27.1	27.8	22.2	18.8	23.3	20.1	16.9	15.9	19.8	23.6	38.0	45.6	50.1	51.2	62.0	48.9	83.3	15.9

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
June 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	99.3	99.6	99.8	99.8	99.8	99.8	99.6	89.2	74.5	68.0	67.7	69.0	66.1	80.8	85.5	87.9	86.4	70.0	66.0	75.7	94.0	95.6	95.9	97.4	86.1	99.8	66.0
2	97.5	99.5	99.8	99.7	99.6	98.1	91.3	82.5	64.6	54.5	41.5	38.2	36.2	44.8	43.8	33.4	32.4	31.7	32.6	39.7	65.3	72.2	77.8	82.8	65.0	99.8	31.7
3	87.3	90.4	94.8	95.3	93.3	91.8	82.3	71.4	56.1	50.8	45.8	42.2	50.9	45.4	41.2	40.7	39.5	36.0	45.1	58.0	66.3	75.4	71.2	74.5	64.4	95.3	36.0
4	80.9	88.0	88.9	92.4	94.1	88.2	73.2	61.8	58.1	54.5	52.7	51.5	48.7	50.0	48.1	45.4	42.6	39.4	39.0	45.2	66.7	77.8	81.5	85.9	64.8	94.1	39.0
5	90.2	91.6	92.2	94.2	94.7	86.6	76.5	55.1	43.5	39.7	37.3	35.1	35.0	37.1	40.8	46.2	56.9	62.2	67.3	70.8	80.6	81.8	82.2	84.5	65.9	94.7	35.0
6	87.0	85.8	84.4	84.7	85.1	86.1	84.9	82.5	80.9	78.8	77.5	70.2	59.8	45.4	34.3	26.8	27.0	53.6	72.2	77.1	85.5	89.2	90.9	91.0	72.5	91.0	26.8
7	89.3	89.2	88.4	89.4	91.3	88.4	80.8	61.9	52.2	48.5	43.7	38.6	45.6	41.3	35.1	31.8	32.8	35.7	37.2	37.8	43.1	47.9	52.7	56.2	56.6	91.3	31.8
8	66.7	71.1	72.9	79.1	80.5	79.9	69.3	64.3	39.4	35.4	34.4	33.5	33.2	28.4	29.1	31.5	31.8	30.9	32.2	38.9	55.5	64.3	75.4	81.5	52.5	81.5	28.4
9	82.6	85.8	90.6	91.8	92.9	85.7	74.1	53.6	38.4	40.7	38.5	33.7	31.7	30.4	31.4	32.3	29.7	30.4	31.4	35.2	34.9	42.0	53.8	50.5	51.8	92.9	29.7
10	61.1	70.4	79.1	83.8	86.9	81.8	68.5	53.4	44.5	37.2	28.6	21.0	19.4	16.1	21.9	24.7	26.3	27.1	39.1	43.0	49.8	57.1	67.0	75.7	49.3	86.9	16.1
11	80.6	82.6	83.9	90.3	96.2	88.0	79.7	65.6	66.3	67.6	60.3	58.7	56.9	49.5	44.5	43.0	43.9	46.3	43.8	59.9	75.7	82.3	84.6	87.5	68.2	96.2	43.0
12	90.7	89.7	90.8	92.9	89.8	86.1	75.8	68.5	67.5	66.7	60.9	54.0	55.2	55.7	55.0	56.4	55.8	60.3	66.4	65.7	68.3	72.6	74.0	81.0	70.8	92.9	54.0
13	88.2	94.8	90.6	88.0	91.7	87.6	86.5	88.6	84.7	83.2	71.3	58.1	72.3	69.8	54.4	47.7	43.9	51.2	63.7	88.0	93.8	94.9	95.9	96.3	78.6	96.3	43.9
14	96.7	98.8	97.5	96.0	91.7	93.4	91.9	84.2	76.2	69.0	82.2	86.7	89.8	89.6	89.6	89.8	91.4	92.6	91.8	94.2	94.7	93.5	94.7	96.4	90.5	98.8	69.0
15	96.8	96.0	94.9	96.6	98.6	98.1	84.5	80.8	76.3	67.2	62.2	56.3	54.2	50.8	48.5	44.6	42.8	44.9	54.2	59.6	69.9	78.9	86.9	91.2	72.3	98.6	42.8
16	91.7	93.0	95.4	93.3	93.1	91.8	88.7	77.6	68.1	64.1	60.2	52.1	50.3	67.9	86.2	73.2	75.5	82.2	86.8	87.2	87.6	93.2	94.5	97.3	81.3	97.3	50.3
17	95.1	92.3	91.4	94.9	97.8	97.4	95.8	94.6	89.9	90.6	84.5	75.3	65.2	61.5	61.2	58.8	58.9	57.5	57.4	56.3	65.2	74.9	82.9	89.2	78.7	97.8	56.3
18	87.9	82.8	76.8	85.3	88.0	77.0	74.7	72.6	70.9	67.6	64.5	63.7	65.1	78.7	83.8	82.6	87.0	92.0	89.7	90.5	90.1	89.1	89.0	90.0	80.8	92.0	63.7
19	93.5	94.7	92.0	93.1	96.2	97.5	97.6	97.0	88.2	80.9	76.5	74.3	71.7	68.5	63.9	55.4	48.3	50.5	63.3	76.4	81.1	84.8	86.4	92.3	80.2	97.6	48.3
20	94.5	96.7	96.6	96.7	96.9	91.8	86.2	64.8	47.4	42.0	37.9	42.0	40.5	57.5	87.1	73.9	53.5	50.6	86.2	92.3	88.2	93.4	96.4	95.5	75.4	96.9	37.9
21	97.5	97.0	99.3	99.5	99.8	99.8	96.1	80.6	65.2	53.5	41.2	37.5	33.2	30.4	30.5	29.4	28.8	29.9	35.6	46.8	58.2	63.0	66.6	71.1	62.1	99.8	28.8
22	70.1	74.5	80.8	85.9	88.7	85.3	78.6	60.7	51.3	50.6	51.1	50.0	65.4	88.9	87.2	86.7	81.3	79.9	85.4	86.6	92.3	95.3	97.1	97.6	78.0	97.6	50.0
23	98.7	98.0	98.6	98.9	98.9	99.8	99.7	89.5	69.5	51.9	52.7	57.5	62.7	63.1	78.9	66.9	62.5	47.2	42.8	58.8	82.2	86.4	88.0	91.1	76.8	99.8	42.8
24	93.9	91.0	95.5	93.9	98.0	91.5	80.7	64.5	Au	Au	Au	42.8	42.7	41.5	44.7	51.5	73.3	84.0	78.5	74.8	83.3	90.6	89.2	93.2	76.1	98.0	41.5
25	95.9	93.0	94.7	95.5	95.1	94.0	89.6	81.5	72.7	66.8	64.4	58.4	49.5	46.4	46.3	43.5	44.2	45.0	55.3	71.0	80.5	85.8	84.4	89.2	72.6	95.9	43.5
26	90.6	96.3	94.6	96.5	96.8	94.7	91.6	90.1	86.7	86.3	81.3	73.7	68.5	58.1	70.6	89.7	87.4	81.7	85.6	90.8	96.0	97.8	97.2	97.7	87.5	97.8	58.1
27	97.7	99.1	99.3	98.5	98.2	97.6	95.1	85.8	79.6	71.8	68.8	66.5	64.2	62.2	66.5	63.0	51.2	65.0	81.1	90.3	93.1	94.4	96.9	96.8	82.6	99.3	51.2
28	96.8	96.9	97.6	97.8	98.3	96.5	90.2	80.9	71.5	68.7	63.4	59.4	55.7	54.4	53.1	53.3	52.1	51.2	50.3	52.7	57.5	67.4	71.3	79.2	71.5	98.3	50.3
29	87.1	90.2	92.0	94.7	93.0	83.2	69.0	62.9	58.5	55.2	52.2	51.6	41.8	38.5	36.6	36.6	37.6	39.4	43.0	43.5	47.3	58.7	66.5	74.6	60.6	94.7	36.6
30	74.9	80.2	86.2	87.5	89.2	92.1	86.9	79.2	71.7	64.1	63.2	64.9	66.3	61.5	56.7	55.1	53.6	51.5	50.9	56.9	69.8	82.5	86.9	92.7	71.9	92.7	50.9
Avg	88.7	90.3	91.3	92.9	93.8	91.0	84.6	74.9	66.0	61.2	57.5	53.9	53.3	53.8	55.2	53.4	52.6	54.0	59.1	65.5	73.9	79.4	82.6	86.0	71.5	95.5	43.4
Max	99.3	99.6	99.8	99.8	99.8	99.8	99.7	97.0	89.9	90.6	84.5	86.7	89.8	89.6	89.6	89.8	91.4	92.6	91.8	94.2	96.0	97.8	97.2	97.7	90.5	99.8	69.0
Min	61.1	70.4	72.9	79.1	80.5	77.0	68.5	53.4	38.4	35.4	28.6	21.0	19.4	16.1	21.9	24.7	26.3	27.1	31.4	35.2	34.9	42.0	52.7	50.5	49.3	81.5	16.1

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
April 2014

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.070	0.040	0.020	0.020	0.020	0.010	0.020	0.240	0.070
7	0.020	0.010	0.010	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.130	0.140	0.110	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.140
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.010
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.060	0.030	0.030	0.040	0.060	0.050	0.010	0.290	0.060
16	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.040	0.010
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
18	0.000	0.000	0.000	0.090	0.050	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.190	0.090
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.000	0.140	0.000	0.010	0.040	0.010	0.030	0.260	0.140
23	0.040	0.020	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.040
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.020	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.030
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.010	0.040	0.090	0.040
26	0.020	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.070	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.110	0.070
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.090	0.030	0.010	0.100	0.080	0.020	0.000	0.000	0.070	0.010	0.000	0.130	0.180	0.160	0.010	0.030	0.100	0.130	0.210	0.050	0.080	0.170	0.080	0.100	1.840	0.000
Max	0.040	0.020	0.010	0.090	0.050	0.010	0.000	0.000	0.070	0.010	0.000	0.130	0.140	0.110	0.010	0.020	0.040	0.070	0.140	0.030	0.040	0.060	0.050	0.040	0.450	0.140

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
May 2014

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.040	0.010	0.000	0.000	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.120	0.040
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.030
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.020
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.020	0.010
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.040	0.020
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.080	0.000	0.000	0.010	0.100	0.080
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.130	0.100
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.090	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.090
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.010	0.000	0.000	0.050	0.020
25	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.080	0.000	0.000	0.000	0.000	0.090	0.080
28	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.090	0.060
Tot	0.000	0.000	0.010	0.000	0.000	0.010	0.000	0.000	0.020	0.040	0.010	0.020	0.010	0.130	0.040	0.020	0.070	0.150	0.010	0.120	0.130	0.020	0.010	0.010	0.830	0.000
Max	0.000	0.000	0.010	0.000	0.000	0.010	0.000	0.000	0.020	0.040	0.010	0.020	0.010	0.100	0.030	0.020	0.030	0.090	0.010	0.080	0.080	0.010	0.010	0.010	0.130	0.100

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
June 2014

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.000	0.000	0.010	0.190	0.100	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.390	0.190
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.000	0.010	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.220	0.060	0.030	0.000	0.000	0.370	0.220
14	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.040	0.040	0.070	0.110	0.120	0.040	0.030	0.040	0.060	0.060	0.040	0.010	0.740	0.120
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.040	0.140	0.190	0.140
16	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.020	0.000	0.000	0.000	0.020	0.000	0.040	0.070	0.030	0.000	0.300	0.100
17	0.000	0.000	0.000	0.010	0.010	0.020	0.000	0.020	0.040	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.110	0.040
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.040	0.010	0.040	0.090	0.030	0.040	0.010	0.000	0.020	0.100	0.410	0.100
19	0.090	0.120	0.090	0.130	0.130	0.150	0.120	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.900	0.150
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.260	0.140	0.000	0.000	0.000	0.130	0.260	0.090	0.000	0.020	0.000	0.900	0.260
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.290	0.080	0.140	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.570	0.290
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.020
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	Au	Au	Au	0.000	0.000	0.000	0.000	0.000	0.060	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.080	0.060
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.010
26	0.000	0.000	0.010	0.000	0.000	0.040	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.080	0.110	0.000	0.000	0.070	0.000	0.000	0.010	0.000	0.000	0.340	0.110
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.020	0.020	0.000	0.020	0.020	0.150	0.040	0.000	0.000	0.000	0.310	0.150
28	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.100	0.120	0.110	0.150	0.150	0.220	0.130	0.130	0.040	0.030	0.050	0.070	0.340	0.570	0.720	0.410	0.270	0.150	0.310	0.710	0.300	0.190	0.160	0.250	5.680	0.000
Max	0.090	0.120	0.090	0.130	0.130	0.150	0.120	0.060	0.040	0.010	0.040	0.070	0.290	0.260	0.190	0.110	0.120	0.090	0.130	0.260	0.090	0.070	0.040	0.140	0.900	0.290

APPENDIX B: PERFORMANCE AUDIT REPORTS SECOND QUARTER 2014

BISON
ENGINEERING, INC.

PRELIMINARY METEOROLOGICAL AUDIT REPORT

Client : Tintina Resources
SITE : Black Butte DATE : 06/24/14

Audit Start Time : 8:30 MST Audit End Time : 11:00 MST

Temperature

Audit Device : Control Company Digital Thermometer
Model Number : 4000 Serial Number : 140251289
Last certified : 04/10/14
Sensor Make : Climatronics
Model Number : 100093 Serial Number Upper: 8253 Serial Number Lower: 8255

Temperature bath results

Audit Value oC	19m DAS Value oC	19m DAS Diff. oC	2m DAS Value oC	2m DAS Diff. oC	19m - 2m DAS Diff. oC
-9.10	-9.07	0.03	-9.03	0.07	0.04
19.96	19.90	-0.06	19.94	-0.02	0.04
49.47	49.39	-0.08	49.42	-0.05	0.03

Wind Direction

Alignment Audit Device : Sokkia Transit-Magnetic
Model Number : 116
Linearity Audit Device : Climatronics
Model Number : 101966 Serial Number : 72
Sensor height : 10 Meter
Sensor Make : Climatronics
Model Number : 102083 Serial Number : K2336C

Crossarm Orientation : N-S
Magnetic Declination : 12
Measured Degrees : 12
Sensor response aligned with crossarm (as found) : 0.1
Sensor response aligned with crossarm (as left) : 0.2

Linearity Check from DAS (as found)

Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	2.1	2.2	2.1	2.2
30	32.6	32.6	2.6	2.6
60	61.9	61.9	1.9	1.9
90	91.4	91.4	1.4	1.4
120	121.5	121.6	1.5	1.6
150	150.5	150.5	0.4	0.4
180	180.4	182.2	0.4	2.2
210	210.6	210.6	0.6	0.6
240	242.4	241.5	2.4	1.5
270	271.2	269.2	1.2	-0.8
300	302.2	302.9	2.2	2.9
330	332.7	333.0	2.7	3.0
		Max Diff	2.6	2.6

Linearity Check from DAS (as left)

Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	2	2	2.1	2.2
90	91	91	1.4	1.4
180	180	182	0.4	2.2
270	271	269	1.2	-0.8
		Max Diff	2.1	2.2

Wind Speed

Audit Device : RMYoung
Model Number : 18811 Serial Number : CA02929
Last certified : NA
Sensor height : 10 Meter
Sensor Make : Climatronics
Model Number : 102083 Serial Number : K2336C

Synchronous motor checks

Known Value RPM	Audit Value MPS	DAS Station Value MPS	DAS Diff. MPS
0	0.2	0.2	0.0
300	6.7	6.7	0.0
600	13.1	13.1	0.0
950	20.6	20.5	0.0

Torque Audit Device : RM Young Disk
Model Number : 18312 Serial Number : NA

Threshold Torque gm-cm Maximum	Station Value Torque gm-cm	Diff. Torque gm-cm
1.0	0.3	-0.7

Relative Humidity

Audit Device : Taylor Hygrometer
Model Number : 5522 Serial Number : 66978
Last certified : NA
Sensor height : 10 Meter
Sensor Make : Met One
Model Number : 083E-0-35 Serial Number : P18245

Audit Dry-Bulb: oC	Audit Wet-Bulb oC	Audit Audit RH %RH	Audit Station RH %RH	Audit Diff %RH
69.0	57.0	45.0	44.0	-1

Barometric Pressure

Audit Device : Delta Cal
Model Number : Delta Cal Serial Number : 999
Last certified : 03/19/14
Sensor Make : Climatronics
Model Number : 102663-G0 Serial Number : 42017

Audit Value In Hg	Station Value In Hg	Audit Diff. In Hg
24.40	24.53	0.13

Solar Radiation

Audit Device : Li Cor
Model Number : Pyranometer Serial Number : PY61543
Last certified : 06/03/13
Sensor Make : Met One
Model Number : 096-1 Serial Number : PY69829

Audit Value w/m2	DAS Station Value w/m2	DAS Diff. %
663.868	663.971	0.0

Precipitation

Audit Device : Fisher Scientific
Model Number : S32814A Serial Number : 250 ml
Last certified : NA
Sensor Make : Climatronics
Model Number : 100097-1-G0-H0 Serial Number : N3939
Opening : 8 Inch
Bucket Tip : 0.254 MM
Bucket Tip Volume : 8.24 ML
Level checked : OK
Wind Screen in place : OK

Known Value ML	Known Value Bucket Tips	Station Value Bucket Tips	% Diff
250.0	30	28	-7.7
250.0	30	28	-7.7

Signature Site Operator : _____

Signature Auditor : _____

Note: These preliminary results are subject to appropriate changes following verification of audit equipment,procedures,and calculations.

BISON
ENGINEERING, INC.

1400 11TH AVENUE • HELENA, MT 59601 • 406-442-5768
FAX: 406-449-6653 • E-MAIL: bison@bison-eng.com • www.bison-eng.com

November 19, 2014

Mr. Steven Zehntner
Air, Energy & Pollution Prevention Bureau
Montana Dept. of Environmental Quality
P.O. Box 200901
Helena, MT 59620

Dear Mr. Zehntner:

Enclosed is a copy of the Tintina Resources Inc. (Tintina) quarterly meteorological data report for the third quarter of 2014. Tintina installed a 10 meter meteorological tower at their Black Butte Copper Project site, north of White Sulphur Springs, Montana. The tower started operations on April 30, 2012. The report contains the data from July 1 through September 30, 2014.

Please contact me with any comments or questions you may have on these reports. I would be happy to discuss these with you.

Sincerely,
BISON ENGINEERING, INC.

Chris Hiltunen, P.E.
Project Engineer

cc: Bob Jacko – Tintina
Vince Scartozzi – Tintina
Alan Kirk – Geomin Resources

Enclosure

TINTINA RESOURCES, INC.
BLACK BUTTE COPPER PROJECT AMBIENT AIR MONITORING PROGRAM
Quarterly Data Report
Third Quarter 2014

Prepared for:

Tintina Resources, Inc.
17 East Main St
White Sulphur Springs, MT 59645

Prepared by:

Bison Engineering, Inc.
1111 Maggie Lane
Billings, MT 59101
(406) 896-1716
http://www.bison-eng.com

November 15, 2014

CERTIFICATION OF DATA INTEGRITY

Bison Engineering, Inc., certifies the data in this report is an accurate summary of the air quality conditions measured at the Black Butte Copper Project air monitoring site. Every effort was made to obtain accurate and representative data and to comply with the procedures set forth in the project-specific *Quality Assurance Project Plan*, the *State of Montana Ambient Air Monitoring Program Quality Assurance Project Plan (April 2013)*, and the Environmental Protection Agency's *Quality Assurance Handbook for Air Pollution Measurement Systems: Volume I, A Field Guide to Environmental Quality Assurance (April 1994), Volume II, Ambient Air Quality Program (May 2013), and Volume IV, Meteorological Measurements (March 2008).*

Preparer: Jeffrey S. Bell

Signature:

Title: Senior Field Technician

Date: 10/23/14

Reviewer: Rebecca L. Picchioni, P.E.

Signature:

Title: Project Engineer

Date: 10/30/14

TABLE OF CONTENTS

CERTIFICATION OF DATA INTEGRITY ii

1.0 INTRODUCTION 1

2.0 MONITORING SYSTEM OPERATIONS 3

3.0 CALIBRATION DATA 4

4.0 PERFORMANCE AUDIT DATA 5

5.0 DATA COMPLETENESS 6

6.0 MONITORING DATA 12

LIST OF TABLES

Table 1. Monthly Data Completeness 7
Table 2. Quarterly Data Completeness 10
Table 3. Periods of Missing Data 11
Table 4. Missing Data Codes 13
Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 14
Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 15
Table 7. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 16
Table 8. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower 17

LIST OF FIGURES

Figure 1. Monitoring Site Location 2
Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower 18
Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower 19
Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower 20
Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower 21

APPENDICES

Appendix A: Meteorological Data
Appendix B: Performance Audit Reports

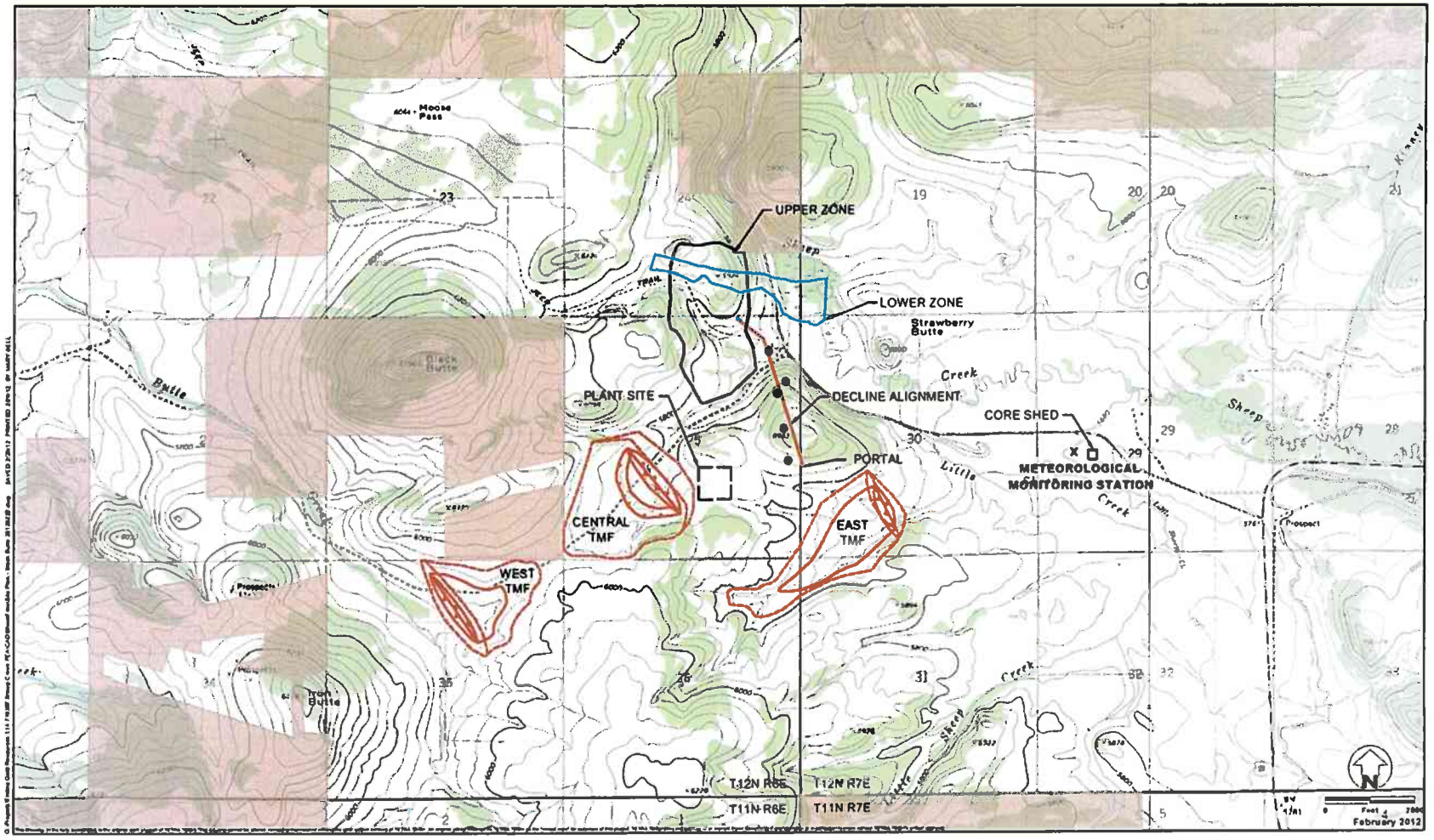
1.0 INTRODUCTION

Tintina Resources, Inc. established an ambient air monitoring site to measure wind speed, wind direction, standard deviation of wind direction, temperature at 9 meters and 2 meters, delta temperature, solar radiation, barometric pressure, and precipitation. The station was established to accurately characterize the local meteorology and collect baseline data in support of an operating permit application and various environmental studies.

The meteorological monitoring system was installed in April 2012. The site is operated by Bison Engineering, Inc., of Helena and Billings. Figure 1 shows the location of the monitoring site.

This report presents the data collected during the third quarter (July through September) of 2014. In addition, a description of the monitoring system operations is presented, together with summaries of quality assurance activities, including calibrations and performance audits. Tabular summaries of the data completeness achieved and the periods of missing data also are presented. Appendix A presents hourly meteorological data collected.

Figure 1. Monitoring Site Location



2.0 MONITORING SYSTEM OPERATIONS

The installation of the monitoring meteorological system equipment took place in April 2012, soon after the equipment was received from the manufacturers. The installation and calibration of the equipment required about two weeks to complete. All meteorological parameters were in full operation and producing valid data by April 30, 2012.

Steve Heck of Bison Engineering, Inc. (Bison) conducted performance audits of the meteorological system at the site. Due to scheduling conflicts, the third quarter audits were performed in early October. All of the system audits produced results within the recommended tolerance limits. The Bison report of the audits is presented in Appendix B.

3.0 CALIBRATION DATA

A performance audit was conducted on October 7, as discussed in Section 4.0. Because all results were within acceptance limits, no calibration adjustments were made.

4.0 PERFORMANCE AUDIT DATA

Steve Heck of Bison conducted performance audits of the meteorological system at the site. Due to scheduling conflicts, the third quarter audits were performed in early October. All of the system audits produced results within the recommended tolerance limits. The Bison report of the audits is presented in Appendix B.

Another performance audit will be conducted later in the fourth quarter of 2014.

5.0 DATA COMPLETENESS

The meteorological percentages of data recovery achieved during the third quarter of 2014 are given in Tables 1 and 2. In these tables, the number of possible data values during each month of the quarter is given, together with the number of valid readings and the number of hours spent on quality assurance activities (such as calibrations, performance audits, and maintenance on the sensors). The quality assurance hours are added to the number of hours of valid data to compute the net percentage data recovery.

During the third quarter the net percentage data recovery was 97.4 for 2 meter temperature and delta t, and 100.0 percent for all other parameters at the site. The loss of data was due to the power cable to the fan motor coming loose.

Table 1. Monthly Data Completeness

July 2014					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	744	100.0	0	100.0
Wind Direction	744	744	100.0	0	100.0
Standard Deviation	744	744	100.0	0	100.0
Temperature 9 Meters	744	744	100.0	0	100.0
Temperature 2 Meters	744	687	92.3	0	92.3
Temperature Delta T	744	687	92.3	0	92.3
Solar Radiation	744	744	100.0	0	100.0
Barometric Pressure	744	744	100.0	0	100.0
Relative Humidity	744	744	100.0	0	100.0
Precipitation	744	744	100.0	0	100.0
Total	7,440	7,326	98.5	0	98.5

Table 1. Monthly Data Completeness (Continued)

August 2014					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	744	100.0	0	100.0
Wind Direction	744	744	100.0	0	100.0
Standard Deviation	744	744	100.0	0	100.0
Temperature 9 Meters	744	744	100.0	0	100.0
Temperature 2 Meters	744	744	100.0	0	100.0
Temperature Delta T	744	744	100.0	0	100.0
Solar Radiation	744	744	100.0	0	100.0
Barometric Pressure	744	744	100.0	0	100.0
Relative Humidity	744	744	100.0	0	100.0
Precipitation	744	744	100.0	0	100.0
Total	7,440	7,440	100.0	0	100.0

Table 1. Monthly Data Completeness (Continued)

September 2014					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	720	720	100.0	0	100.0
Wind Direction	720	720	100.0	0	100.0
Standard Deviation	720	720	100.0	0	100.0
Temperature 9 Meters	720	720	100.0	0	100.0
Temperature 2 Meters	720	720	100.0	0	100.0
Temperature Delta T	720	720	100.0	0	100.0
Solar Radiation	720	720	100.0	0	100.0
Barometric Pressure	720	720	100.0	0	100.0
Relative Humidity	720	720	100.0	0	100.0
Precipitation	720	720	100.0	0	100.0
Total	7,200	7,200	100.0	0	100.0

Table 2. Quarterly Data Completeness

Third Quarter 2014					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	2,208	2,208	100.0	0	100.0
Wind Direction	2,208	2,208	100.0	0	100.0
Standard Deviation	2,208	2,208	100.0	0	100.0
Temperature 9 Meters	2,208	2,208	100.0	0	100.0
Temperature 2 Meters	2,208	2,151	97.4	0	97.4
Temperature Delta T	2,208	2,151	97.4	0	97.4
Solar Radiation	2,208	2,208	100.0	0	100.0
Barometric Pressure	2,208	2,208	100.0	0	100.0
Relative Humidity	2,208	2,208	100.0	0	100.0
Precipitation	2,208	2,208	100.0	0	100.0
Total	22,080	21,966	99.5	0	99.5

Table 3. Periods of Missing Data

Third Quarter 2014						
Starting Date/Hour	Ending Date/Hour	Site	Parameter	Total Hours	Percent of Quarter	Circumstance
July 1/1	July 3/9	Met Tower	2 meter temperature	57	2.58	Missing data: Fan motor power failure
July 1/1	July 3/9	Met Tower	delta temperature	57	2.58	Missing data: Fan motor power failure

6.0 MONITORING DATA

The hourly data values collected at the monitoring sites are given in the data tables in Appendix A. Each of these tables presents one month's data for one parameter in the monitoring system. In addition, the average, maximum, and minimum values for each parameter for each day are listed (for wind direction, the prevailing wind direction for the day is given). For those hours with missing data, a code is given that explains the reason the data were missing. These codes are given in Table 4.

Monthly and quarterly wind rose distributions from the monitoring site are presented in Tables 5 through 8. These tables give the percentage frequency of occurrence of winds from 16 cardinal directions and from 22 wind speed ranges. These same data are presented graphically in Figures 2 through 5. In the wind rose figures, the length of each "petal" of the rose is proportional to the percentage of time the wind blew from that direction. On the bottom of each figure is a histogram showing the average wind speed from each of the cardinal wind directions.

Table 4. Missing Data Codes

Mnemonic Code	Description	Equivalent EPA Null Value Reason Code
Sc	Scheduled but not collected	9972
Ti	Sample time out of limits	9973
Fi	Filter damage	9976
Op	Voided by operator	9978
ND	Machine malfunction	9980
Wx	Bad weather	9981
Co	Collection error	9983
Lb	Lab error	9984
QA	Poor quality assurance results	9985
Pwr	Power failure	9988
Wi	Wildlife damage	9989
AZ	Automatic zero/span check	9991
ZS	Manual zero/span check	9986
Au	Performance audit	9992
Ma	Routine maintenance/repairs	9993
Ca	Multipoint calibration	9995
PZ	Precision/zero/span	9998

Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

July 2014																		
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.4	0.4	0.9	0.7	0.7	0.8	0.5	0.8	0.3	0.4	0.0	0.0	0.5	0.7	1.6	1.6	10.3
	1.1 - 2.0	0.9	1.2	2.7	4.7	6.0	4.8	3.5	1.5	1.2	0.7	0.8	0.4	1.2	1.7	1.9	1.6	34.9
	2.1 - 3.0	0.1	0.0	0.5	2.3	4.0	2.8	1.2	1.1	0.4	0.4	0.8	0.4	1.2	2.2	1.6	0.8	19.9
	3.1 - 4.0	0.1	0.3	0.3	2.7	1.1	0.4	0.9	1.6	0.8	0.1	0.4	0.1	1.3	2.7	1.1	0.5	14.5
	4.1 - 5.0	0.1	0.3	0.0	0.9	0.7	0.1	1.3	1.1	0.3	0.0	0.1	0.1	1.2	2.0	0.7	0.3	9.3
	5.1 - 6.0	0.0	0.1	0.0	0.0	0.0	0.0	0.9	0.9	0.0	0.0	0.0	0.1	0.8	1.5	0.3	0.0	4.7
	6.1 - 7.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.8	0.7	0.4	0.1	3.0
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.7	0.8	0.3	0.1	0.0	2.2
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.0	0.0	0.7
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.4
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	1.9	2.3	4.4	11.3	12.5	9.0	8.7	7.4	3.0	1.6	2.2	2.3	8.6	12.2	7.7	5.0	100.0
	Average Speed	2.1	2.3	1.6	2.4	2.2	1.9	2.9	3.2	2.4	1.7	2.4	4.9	4.4	3.9	2.6	2.0	2.8

Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

August 2014																	
Direction>>>		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.1	1.7	1.6	0.9	1.5	1.9	0.5	1.3	0.8	0.4	0.1	0.4	0.7	0.4	0.9	0.7	15.1
	1.1 - 2.0	1.1	1.7	1.9	3.2	5.9	4.7	2.8	1.2	0.5	0.5	0.3	0.8	0.3	1.5	1.5	2.4	30.4
	2.1 - 3.0	0.8	0.3	0.8	2.7	4.3	2.8	0.7	1.2	0.5	0.4	0.3	0.5	0.7	1.6	2.8	2.4	22.8
	3.1 - 4.0	0.1	0.1	0.3	1.3	2.0	0.4	0.7	0.5	0.3	0.4	0.3	0.4	2.2	2.4	2.3	0.5	14.2
	4.1 - 5.0	0.0	0.5	0.3	0.5	0.8	0.3	0.4	0.4	0.0	0.0	0.3	0.4	0.9	2.8	1.5	0.0	9.1
	5.1 - 6.0	0.3	0.3	0.0	0.0	0.3	0.0	0.0	0.4	0.0	0.0	0.0	0.4	1.3	0.7	0.9	0.1	4.7
	6.1 - 7.0	0.1	0.0	0.0	0.0	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.4	0.7	0.3	0.1	2.2
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.8	0.0	0.1	0.0	1.1
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm																		0.0
Total		3.5	4.7	4.8	8.7	15.1	10.1	5.1	5.2	2.2	1.7	1.3	3.1	7.5	10.1	10.5	6.3	100.0
Average Speed		2.0	1.8	1.7	2.2	2.3	1.8	2.0	2.4	1.8	2.1	3.2	3.0	4.3	3.6	3.3	2.1	2.6

Table 7. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

September 2014																	
Direction>>>		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.8	0.8	1.7	1.1	1.4	1.8	1.7	1.0	0.7	0.0	0.4	0.1	0.6	0.1	0.7	0.1	13.1
	1.1 - 2.0	0.8	0.7	1.7	2.4	6.0	3.9	5.4	1.9	0.7	0.1	0.1	1.3	1.0	1.0	1.1	1.1	29.2
	2.1 - 3.0	0.0	0.1	0.1	0.8	4.2	2.4	2.2	1.3	0.7	0.6	1.3	0.6	2.9	2.5	1.3	0.6	21.4
	3.1 - 4.0	0.0	0.0	0.0	0.7	1.7	0.6	1.4	1.3	1.0	0.4	0.7	0.8	2.4	1.3	0.6	0.0	12.6
	4.1 - 5.0	0.0	0.0	0.0	0.4	0.3	0.3	1.3	1.3	0.0	0.0	0.3	0.6	1.8	1.0	1.1	0.3	8.5
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.3	0.7	0.1	0.4	0.3	1.5	1.4	0.4	0.0	6.0
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	0.7	0.4	0.0	0.7	1.4	0.3	0.4	0.0	4.7
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.1	0.0	0.1	0.0	1.1	0.8	0.0	0.0	2.8
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.6	0.1	0.1	0.0	1.4
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm																		0.0
Total		1.7	1.7	3.5	5.4	13.5	8.9	12.9	8.5	4.6	1.7	3.3	4.6	13.2	8.9	5.7	2.1	100.0
Average Speed		1.1	1.3	1.2	2.0	2.1	1.9	2.4	3.5	3.5	3.9	3.1	3.8	4.3	4.3	3.3	2.0	2.9

Table 8. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower

Third Quarter 2014																	
Direction>>>		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.8	1.0	1.4	0.9	1.2	1.5	0.9	1.0	0.6	0.3	0.2	0.2	0.6	0.4	1.1	0.8	12.8
	1.1 - 2.0	1.0	1.2	2.1	3.4	6.0	4.5	3.9	1.5	0.8	0.5	0.4	0.8	0.8	1.4	1.5	1.7	31.5
	2.1 - 3.0	0.3	0.1	0.5	1.9	4.2	2.7	1.4	1.2	0.5	0.5	0.8	0.5	1.6	2.1	1.9	1.3	21.4
	3.1 - 4.0	0.1	0.1	0.2	1.6	1.6	0.5	1.0	1.1	0.7	0.3	0.5	0.5	1.9	2.1	1.3	0.4	13.8
	4.1 - 5.0	0.0	0.3	0.1	0.6	0.6	0.2	1.0	0.9	0.1	0.0	0.2	0.4	1.3	1.9	1.1	0.2	9.0
	5.1 - 6.0	0.1	0.1	0.0	0.0	0.1	0.0	0.6	0.5	0.2	0.0	0.1	0.3	1.2	1.2	0.5	0.0	5.1
	6.1 - 7.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.4	0.2	0.1	0.0	0.4	0.9	0.5	0.4	0.1	3.3
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.1	0.2	0.9	0.4	0.1	0.0	2.0
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.4	0.1	0.0	0.0	0.8
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.3
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm																		0.0
Total		2.4	2.9	4.3	8.5	13.7	9.3	8.9	7.0	3.2	1.7	2.3	3.3	9.7	10.4	8.0	4.5	100.0
Average Speed		1.8	1.8	1.5	2.2	2.2	1.9	2.5	3.1	2.8	2.5	2.9	3.8	4.3	3.9	3.1	2.1	2.8

Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower

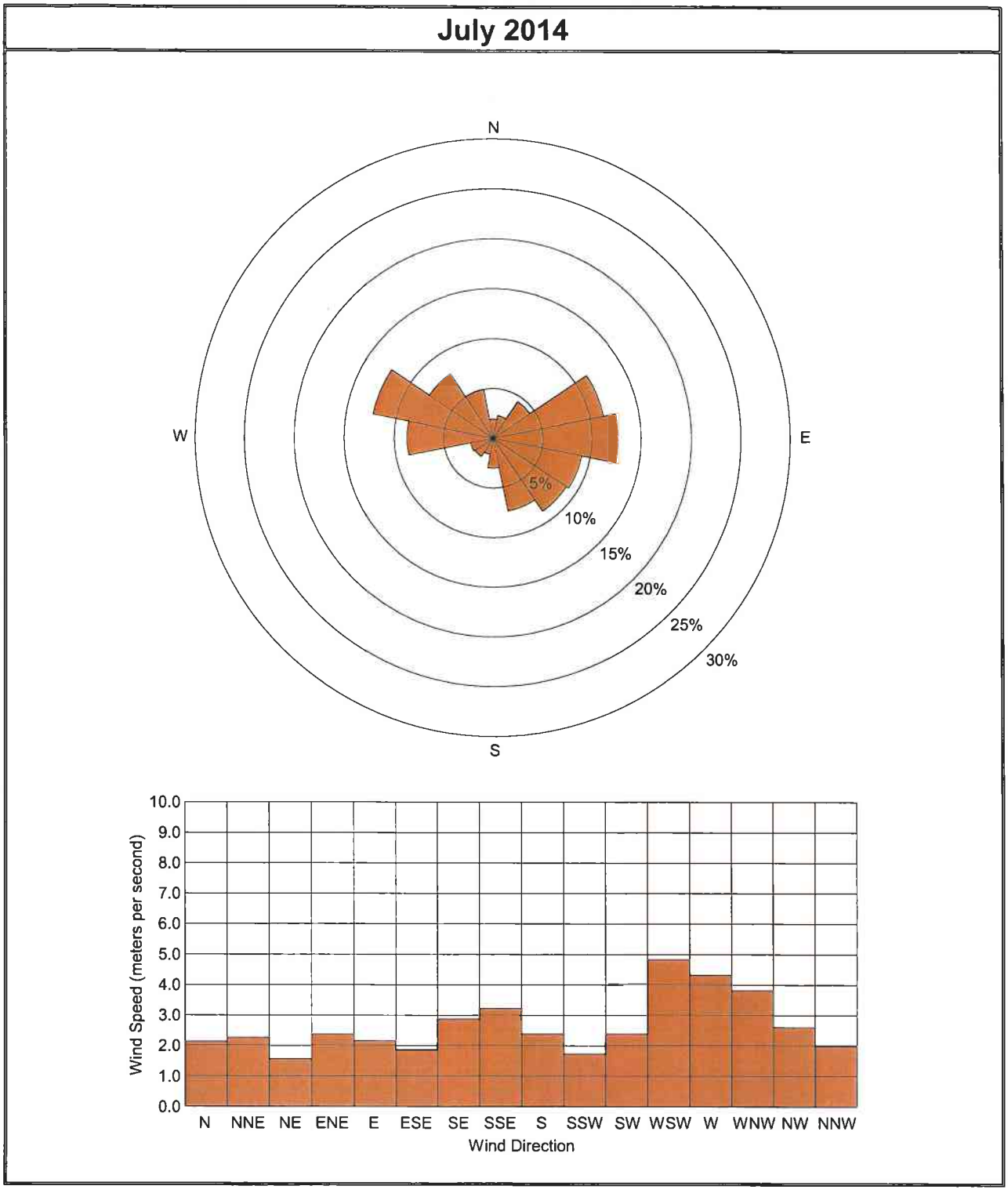


Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower

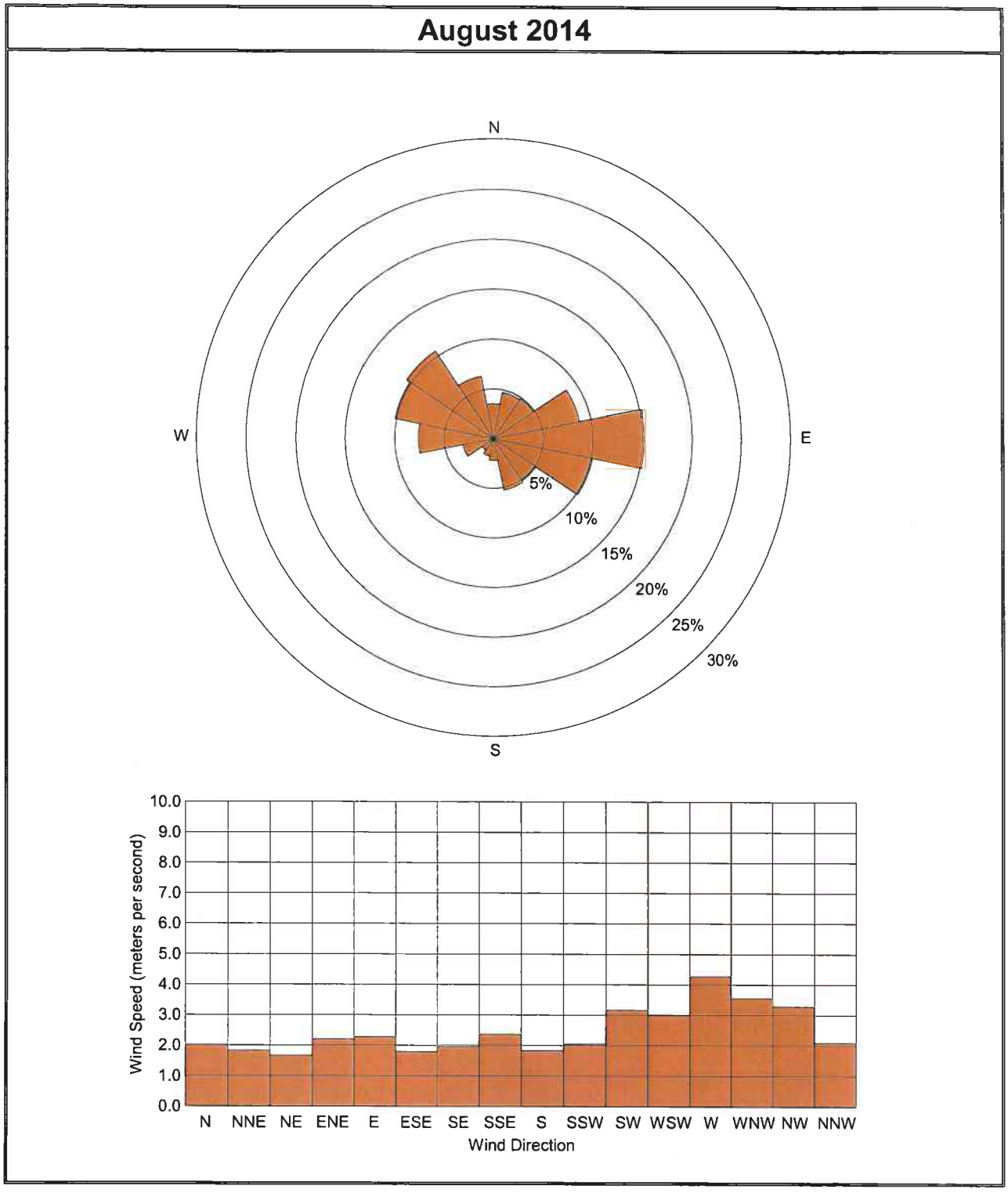


Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower

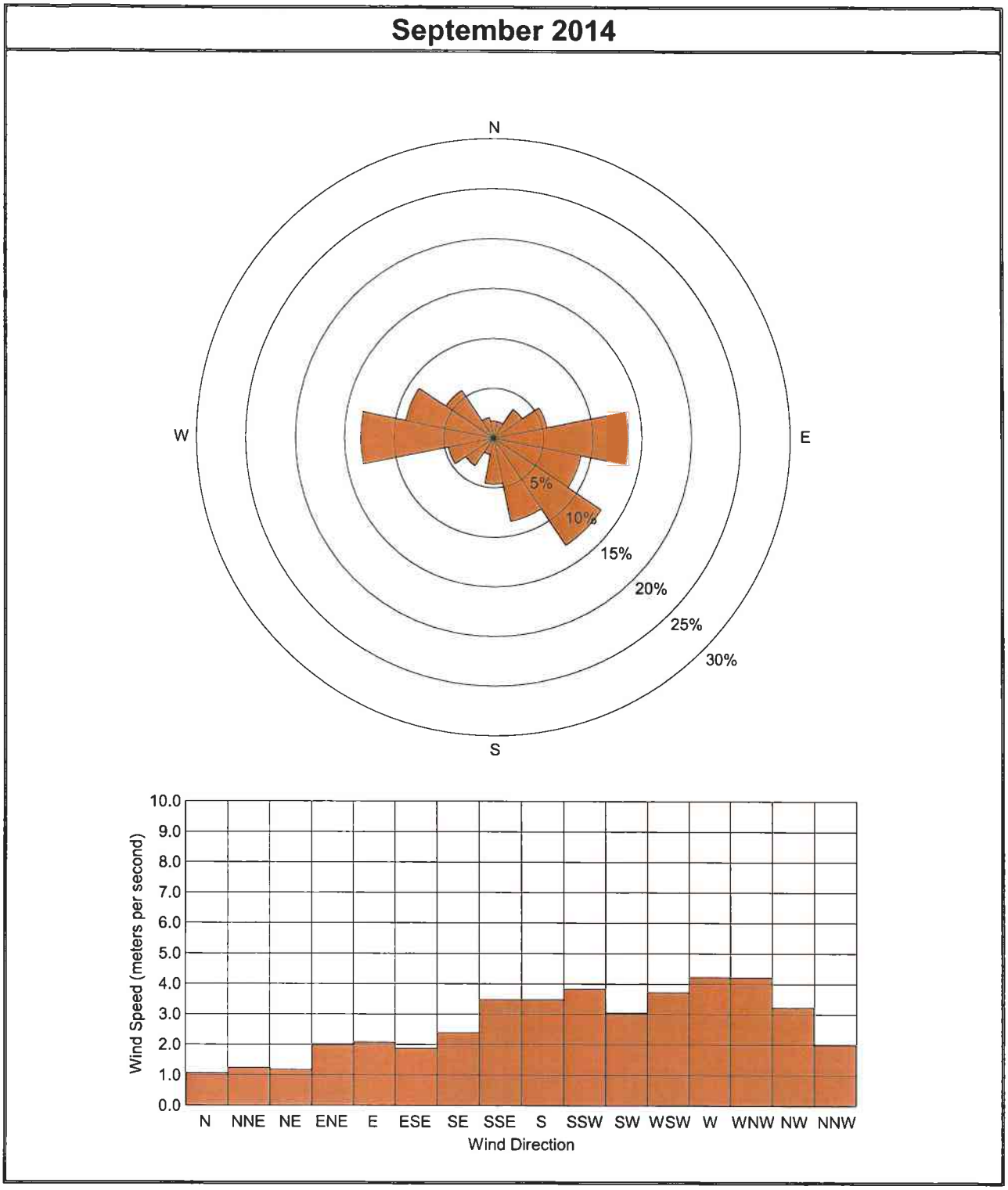
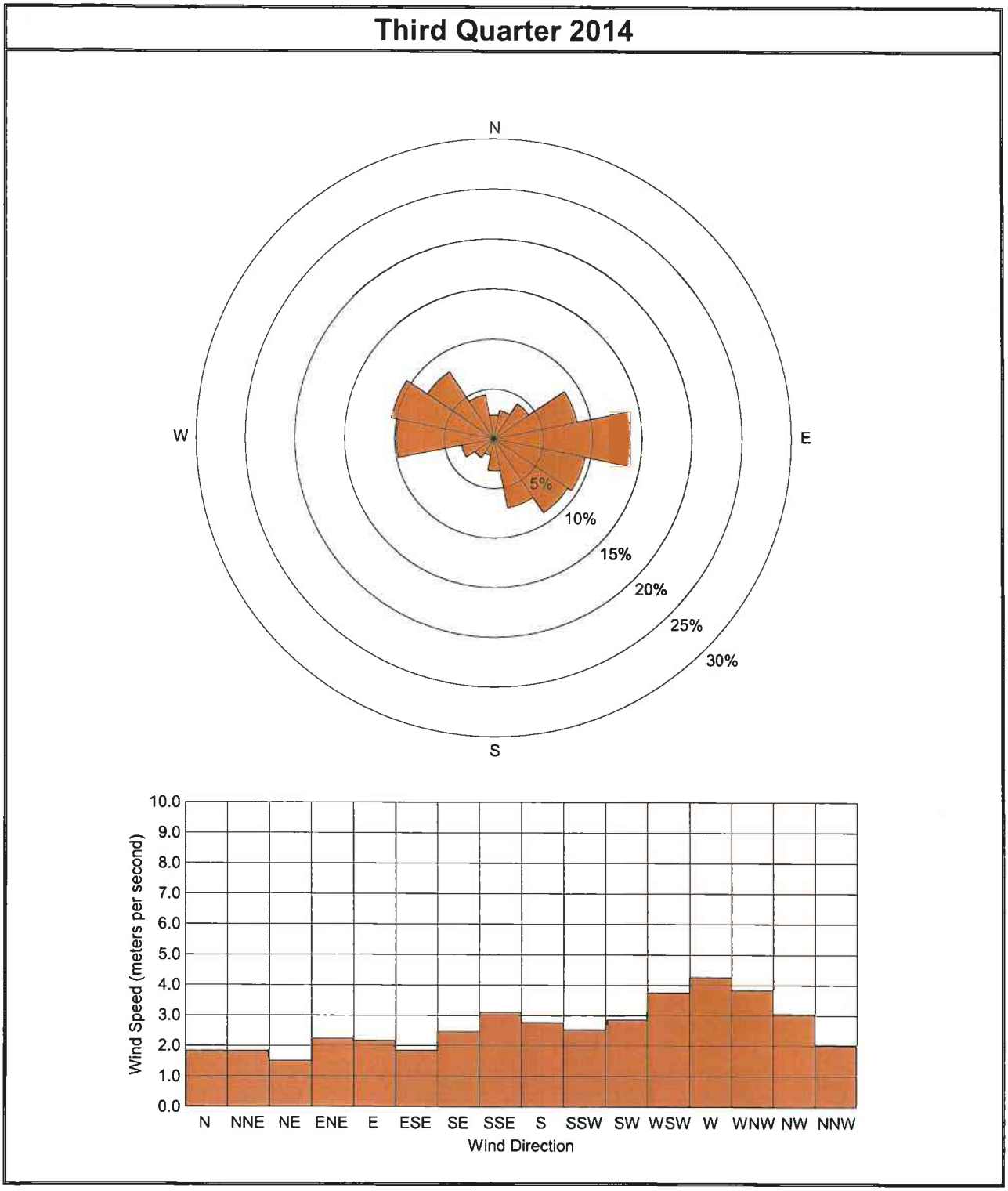


Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower



APPENDIX A: HOURLY AIR QUALITY AND METEOROLOGICAL DATA, THIRD QUARTER 2014

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
July 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.1	0.6	1.1	0.6	0.5	1.0	0.9	0.7	1.4	2.0	2.4	2.3	2.8	2.7	0.9	1.5	1.6	3.1	4.0	4.1	2.7	3.5	4.1	3.9	2.1	4.1	0.5
2	3.6	4.0	1.6	1.6	1.1	1.7	1.0	2.2	5.3	4.9	5.1	4.5	4.1	3.5	3.5	3.5	3.8	5.8	6.4	4.7	1.7	1.3	1.9	2.1	3.3	6.4	1.0
3	1.4	1.3	3.9	3.5	1.5	1.2	1.2	0.6	1.7	2.0	1.3	4.4	3.5	2.2	2.6	4.2	3.3	1.7	1.7	2.4	1.7	1.8	4.4	2.8	2.3	4.4	0.6
4	4.5	3.0	2.8	3.2	2.2	1.5	1.3	1.0	0.7	0.7	1.1	2.4	2.5	3.4	3.7	4.6	3.1	2.7	2.9	2.3	2.1	2.5	1.6	0.8	2.4	4.6	0.7
5	1.4	2.4	2.0	2.3	1.9	1.1	0.9	0.4	0.7	1.0	2.1	3.7	2.9	5.3	6.6	5.7	7.0	7.0	6.0	3.2	1.6	1.7	1.8	3.2	3.0	7.0	0.4
6	2.7	1.8	1.3	1.6	1.1	0.9	0.6	0.4	2.3	3.7	3.3	4.8	5.1	7.0	7.0	6.5	6.4	7.2	4.6	3.3	2.2	4.8	2.1	1.7	3.4	7.2	0.4
7	1.4	1.0	1.5	1.5	1.6	2.2	3.7	5.0	4.7	4.4	3.9	4.6	6.0	5.6	5.1	4.6	3.6	3.3	3.2	2.0	1.6	1.6	1.7	1.2	3.1	6.0	1.0
8	1.3	0.9	1.2	1.6	2.0	1.4	0.6	2.9	4.9	4.1	3.6	2.8	2.3	1.8	2.0	1.6	1.8	1.7	0.5	2.5	3.0	2.4	2.8	2.9	2.2	4.9	0.5
9	1.1	1.5	1.5	1.8	1.9	1.6	0.9	0.6	0.8	1.8	2.2	2.6	3.4	2.0	2.3	2.8	3.8	1.5	1.3	2.3	2.0	2.5	4.4	3.2	2.1	4.4	0.6
10	2.0	1.5	1.7	1.6	1.3	1.2	0.7	0.7	1.1	2.8	2.9	3.3	4.4	4.1	5.1	5.3	5.2	4.4	3.2	1.7	2.3	3.1	2.9	2.1	2.7	5.3	0.7
11	1.5	1.4	1.4	1.3	2.0	3.8	3.5	1.9	3.6	4.7	2.6	3.2	4.2	4.2	3.6	2.9	2.3	3.0	3.8	3.5	3.7	3.5	2.5	2.4	2.9	4.7	1.3
12	1.4	1.2	1.3	1.7	2.6	1.8	0.8	0.7	1.0	1.7	2.6	3.0	2.4	2.7	2.6	3.2	2.8	3.7	3.8	3.8	3.0	2.3	2.6	2.0	2.3	3.8	0.7
13	2.0	1.5	1.7	1.6	1.3	1.6	1.1	0.7	0.9	1.1	2.2	2.8	3.4	4.3	4.0	4.1	4.1	5.0	5.3	4.0	2.2	2.4	3.4	2.9	2.6	5.3	0.7
14	1.5	0.6	1.0	1.0	1.8	1.9	1.3	1.7	5.3	5.4	4.7	5.8	5.0	4.7	5.1	5.7	5.4	8.0	7.1	4.9	2.5	3.2	3.2	3.8	3.8	8.0	0.6
15	2.1	4.0	3.1	3.2	2.1	3.1	1.9	1.9	1.4	1.4	1.9	1.8	4.7	2.6	3.2	1.5	1.2	0.8	0.8	0.8	1.6	1.9	1.1	0.8	2.0	4.7	0.8
16	1.6	2.0	1.9	1.8	2.0	2.0	0.8	0.9	0.7	1.4	2.7	3.8	4.0	3.0	4.0	4.7	4.6	3.5	2.9	0.9	2.7	3.7	4.4	2.6	2.6	4.7	0.7
17	2.1	1.8	1.9	1.7	1.4	0.9	1.2	0.8	0.7	1.5	2.9	3.0	2.8	2.9	4.2	5.4	5.1	4.1	2.3	1.6	1.6	2.7	2.4	1.7	2.4	5.4	0.7
18	1.9	1.8	1.0	1.4	1.2	1.6	0.9	0.7	0.8	1.1	1.2	1.5	2.3	2.9	1.6	2.2	1.9	1.6	3.1	1.4	1.8	1.8	2.7	1.9	1.7	3.1	0.7
19	2.1	1.4	1.3	1.1	1.3	1.6	1.4	1.0	1.1	5.5	7.7	9.4	7.7	7.4	8.0	8.0	7.4	6.9	4.4	2.5	1.8	1.7	1.6	2.4	3.9	9.4	1.0
20	1.5	1.2	1.7	1.5	0.8	1.3	1.0	1.0	6.7	7.0	6.8	7.7	6.6	7.6	6.1	4.1	5.0	4.7	3.7	1.7	1.6	1.7	1.6	1.9	3.5	7.7	0.8
21	1.2	1.1	1.0	1.1	2.4	1.8	1.3	2.6	2.1	3.8	3.7	3.7	3.1	1.5	3.8	4.6	3.6	3.1	2.0	2.1	1.3	1.6	1.3	3.2	2.4	4.6	1.0
22	2.7	2.7	1.9	1.6	2.2	1.0	1.0	0.9	3.0	3.6	1.9	1.9	1.8	2.2	1.6	1.7	3.0	3.9	4.1	1.8	2.4	1.2	1.4	2.3	2.2	4.1	0.9
23	1.8	2.3	2.2	2.2	4.5	3.0	3.6	1.7	1.7	1.4	3.8	2.9	4.2	3.1	2.9	2.8	3.6	2.2	1.9	4.9	6.5	3.1	1.9	1.0	2.9	6.5	1.0
24	1.5	1.0	1.1	1.5	1.3	1.8	1.5	1.1	3.3	3.4	4.8	5.7	7.4	10.7	7.6	8.2	6.2	8.8	6.6	2.7	2.3	2.8	2.2	1.8	4.0	10.7	1.0
25	1.6	1.9	1.6	1.1	1.1	1.2	1.7	3.8	5.0	7.6	7.8	7.2	6.7	7.0	8.7	8.4	9.3	9.5	8.9	4.4	2.4	1.1	1.5	2.1	4.7	9.5	1.1
26	2.6	2.5	2.0	2.1	1.3	1.2	0.7	1.0	3.6	4.9	4.7	5.2	5.2	4.8	5.3	3.6	3.9	3.8	3.7	2.2	3.1	2.0	1.7	1.9	3.0	5.3	0.7
27	1.5	1.5	0.9	1.1	1.3	1.3	0.8	0.7	0.9	1.9	1.7	2.0	1.9	1.5	2.1	1.8	2.4	2.3	0.8	2.7	3.3	2.2	2.3	3.1	1.8	3.3	0.7
28	3.1	2.6	1.6	1.0	1.1	1.0	1.2	1.1	1.1	1.4	5.7	6.1	6.1	6.0	6.0	5.2	4.3	4.3	3.7	1.1	1.4	1.3	1.5	1.4	2.9	6.1	1.0
29	1.7	3.2	1.8	4.1	2.8	1.8	1.8	1.2	3.7	2.5	4.1	3.7	4.0	5.4	4.5	2.8	5.0	4.4	2.1	3.5	3.2	3.1	2.8	0.7	3.1	5.4	0.7
30	1.3	2.6	1.2	0.9	1.3	1.1	1.1	0.7	1.1	2.5	2.6	2.1	2.0	2.9	3.3	2.3	3.3	3.2	1.2	1.3	1.7	2.6	2.8	2.5	2.0	3.3	0.7
31	1.1	1.6	1.2	1.1	1.3	1.2	0.7	0.7	0.7	2.4	3.6	4.4	5.1	5.1	4.4	4.3	5.2	6.7	4.3	4.4	3.7	2.1	3.0	2.0	2.9	6.7	0.7
Avg	1.9	1.9	1.7	1.7	1.7	1.6	1.3	1.3	2.3	3.0	3.5	3.9	4.1	4.2	4.2	4.1	4.2	4.3	3.6	2.7	2.4	2.4	2.4	2.2	2.8	5.7	0.8
Max	4.5	4.0	3.9	4.1	4.5	3.8	3.7	5.0	6.7	7.6	7.8	9.4	7.7	10.7	8.7	8.4	9.3	9.5	8.9	4.9	6.5	4.8	4.4	3.9	4.7	10.7	1.3
Min	1.1	0.6	0.9	0.6	0.5	0.9	0.6	0.4	0.7	0.7	1.1	1.5	1.8	1.5	0.9	1.5	1.2	0.8	0.5	0.8	1.3	1.1	1.1	0.7	1.7	3.1	0.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
August 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.1	1.1	1.1	1.0	0.6	0.5	0.8	0.9	0.8	0.8	1.5	2.3	4.4	3.3	5.3	4.3	5.0	3.4	2.3	3.6	4.1	2.7	3.4	4.0	2.4	5.3	0.5
2	2.4	2.2	2.0	1.6	1.4	1.2	0.7	0.7	2.4	4.9	3.8	3.4	2.8	2.5	3.2	4.2	6.0	2.9	2.4	2.7	2.0	1.0	2.0	1.2	2.5	6.0	0.7
3	1.9	1.5	0.7	0.8	1.3	1.8	2.1	0.9	1.0	1.9	1.5	3.6	3.5	2.5	2.6	1.6	2.2	3.2	3.1	2.0	1.4	1.7	2.1	1.2	1.9	3.6	0.7
4	0.8	1.6	1.2	1.1	1.1	0.9	0.8	0.7	0.7	0.8	2.4	5.8	6.6	5.3	5.7	5.0	3.7	5.5	6.3	6.4	3.7	2.4	1.4	2.4	3.0	6.6	0.7
5	2.0	1.9	1.6	1.2	0.9	0.9	0.7	1.3	1.0	1.2	1.3	1.8	2.0	1.7	2.0	3.4	2.6	2.7	3.4	2.2	2.1	3.4	2.9	2.7	2.0	3.4	0.7
6	1.7	2.4	2.1	1.6	1.2	1.1	1.2	0.8	0.6	0.8	2.0	3.1	2.6	2.5	3.5	2.8	2.8	3.2	2.0	1.1	1.7	2.5	2.6	3.1	2.0	3.5	0.6
7	2.9	1.9	2.3	2.3	1.7	1.5	0.9	0.6	0.8	1.2	2.7	2.6	2.5	2.9	2.1	2.8	1.7	0.7	1.2	2.9	2.3	2.5	2.2	2.7	2.0	2.9	0.6
8	2.0	2.1	1.6	1.4	1.2	1.0	0.8	0.6	0.9	3.2	3.9	4.1	5.0	4.2	4.7	3.7	4.5	3.4	3.1	5.2	2.1	2.9	3.2	3.5	2.8	5.2	0.6
9	1.6	2.6	2.4	1.7	0.9	0.9	0.6	0.8	1.2	1.9	2.5	3.6	3.8	3.4	2.5	2.6	1.6	1.0	0.6	3.3	3.0	2.4	1.9	2.5	2.1	3.8	0.6
10	1.8	1.8	2.2	1.5	1.4	1.6	1.3	1.0	1.9	2.1	1.7	2.8	3.5	2.6	3.1	2.7	1.8	2.5	3.1	2.2	1.8	1.1	1.4	1.6	2.0	3.5	1.0
11	1.1	1.3	1.2	1.8	1.0	1.3	0.9	0.8	0.6	1.1	1.6	1.4	1.8	2.6	2.9	2.2	1.3	1.4	1.8	4.3	3.2	1.9	2.7	2.4	1.8	4.3	0.6
12	1.1	1.1	0.6	0.9	1.0	0.8	1.0	0.6	0.7	3.2	4.5	4.8	4.3	4.3	2.6	5.0	4.4	4.2	2.5	3.4	2.2	4.5	2.9	4.2	2.7	5.0	0.6
13	4.4	2.1	3.3	2.1	1.9	1.7	1.3	1.9	1.8	1.2	2.4	1.9	2.4	2.0	2.3	2.2	1.3	1.3	1.0	4.2	2.2	3.0	1.0	1.1	2.1	4.4	1.0
14	1.3	2.2	2.3	2.3	2.2	1.2	0.9	0.7	0.8	1.1	2.3	1.6	1.5	2.7	2.1	1.6	2.0	1.4	3.0	1.6	2.9	3.4	3.6	2.2	2.0	3.6	0.7
15	2.4	1.8	1.5	1.1	1.0	1.3	0.7	1.0	2.0	1.0	2.1	2.7	3.0	7.2	7.1	2.2	1.0	1.5	1.3	1.0	3.4	3.8	2.1	1.7	2.2	7.2	0.7
16	1.3	1.1	1.8	1.8	1.6	1.1	0.9	1.1	1.4	3.3	5.6	7.9	8.9	7.7	7.5	8.1	6.9	7.3	5.7	4.3	3.8	2.5	1.4	2.1	4.0	8.9	0.9
17	2.5	2.7	1.5	1.6	1.3	1.1	0.8	0.8	1.0	3.6	4.2	5.1	6.1	5.2	5.2	4.9	4.8	4.9	3.9	2.4	2.8	1.1	1.7	1.8	3.0	6.1	0.8
18	1.2	1.4	1.3	0.9	1.1	1.2	0.9	0.8	0.8	1.3	3.4	3.3	3.6	4.1	4.1	4.3	3.8	1.8	1.6	2.2	4.3	2.9	2.6	1.7	2.3	4.3	0.8
19	1.6	0.9	1.1	1.1	0.8	0.8	0.6	0.7	0.9	3.3	3.7	4.1	5.9	6.8	6.0	4.8	4.3	4.7	3.8	2.9	4.2	3.3	1.7	3.1	3.0	6.8	0.6
20	2.0	2.2	1.9	2.0	2.0	1.3	1.2	0.7	1.5	2.1	1.9	3.0	3.7	4.3	5.8	7.0	3.7	1.2	2.0	1.3	1.9	2.2	1.1	1.1	2.4	7.0	0.7
21	2.6	1.3	2.4	1.3	1.9	1.7	1.8	1.8	2.1	1.4	2.7	4.8	4.4	3.6	2.6	2.5	2.4	2.9	2.0	1.3	0.7	1.2	1.6	2.0	2.2	4.8	0.7
22	2.3	2.2	1.7	0.7	1.0	1.3	1.0	0.7	1.9	2.5	1.8	2.3	2.7	2.7	3.0	4.1	5.2	3.3	1.4	1.8	2.6	2.1	1.7	3.4	2.2	5.2	0.7
23	3.8	3.0	4.2	3.6	2.4	2.7	3.6	3.6	3.9	4.8	4.3	4.1	5.1	5.4	6.1	6.4	4.7	3.6	3.9	3.6	3.2	2.8	2.1	1.2	3.8	6.4	1.2
24	4.2	4.0	3.7	3.1	3.9	4.1	3.8	5.0	6.0	6.1	6.3	5.9	5.9	6.4	6.4	5.6	5.2	5.7	4.6	3.2	2.1	0.8	0.5	1.0	4.3	6.4	0.5
25	1.7	1.5	0.9	1.0	1.0	0.5	0.5	1.1	2.1	3.5	2.7	3.5	2.8	3.1	3.5	3.5	3.1	2.5	2.0	2.3	0.9	2.3	3.0	2.6	2.1	3.5	0.5
26	2.4	1.7	2.0	1.7	1.4	1.2	0.5	0.8	0.8	2.5	3.8	3.1	3.4	4.8	5.2	4.2	3.2	3.5	2.7	2.0	3.1	3.1	3.3	2.3	2.6	5.2	0.5
27	2.2	1.5	1.3	1.1	1.3	1.4	1.0	0.7	1.0	4.1	4.9	5.2	4.3	3.8	4.5	4.5	4.3	3.8	1.2	2.8	3.4	3.5	3.1	2.4	2.8	5.2	0.7
28	1.9	1.8	1.3	1.1	1.2	1.2	1.5	0.6	0.7	2.5	5.1	4.6	5.6	7.7	5.6	6.1	6.1	5.8	4.9	3.2	3.6	9.2	4.6	5.6	3.8	9.2	0.6
29	2.5	2.2	1.6	1.7	1.3	1.0	0.9	0.7	1.3	2.2	1.7	3.3	3.9	3.0	4.3	3.4	3.5	2.5	0.9	3.3	1.6	0.9	1.3	3.1	2.2	4.3	0.7
30	4.8	2.1	2.2	2.6	1.4	2.4	2.6	2.1	2.4	1.3	2.5	3.8	3.1	1.5	1.4	3.0	3.9	3.0	2.1	1.7	1.3	1.9	1.8	1.9	2.4	4.8	1.3
31	1.1	1.5	0.6	0.7	0.9	0.8	0.9	0.9	1.6	4.9	5.2	5.6	5.1	7.1	6.4	5.5	4.8	5.0	4.4	2.7	1.9	2.5	2.7	1.5	3.1	7.1	0.6
Avg	2.1	1.9	1.8	1.6	1.4	1.3	1.2	1.1	1.5	2.4	3.1	3.7	4.0	4.1	4.2	4.0	3.6	3.2	2.7	2.8	2.6	2.6	2.2	2.4	2.6	5.3	0.7
Max	4.8	4.0	4.2	3.6	3.9	4.1	3.8	5.0	6.0	6.1	6.3	7.9	8.9	7.7	7.5	8.1	6.9	7.3	6.3	6.4	4.3	9.2	4.6	5.6	4.3	9.2	1.3
Min	0.8	0.9	0.6	0.7	0.6	0.5	0.5	0.6	0.6	0.8	1.3	1.4	1.5	1.5	1.4	1.6	1.0	0.7	0.6	1.0	0.7	0.8	0.5	1.0	1.8	2.9	0.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
September 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.4	1.8	1.5	1.0	1.0	1.1	0.8	0.8	1.9	5.1	5.1	5.3	5.6	6.2	6.2	6.2	7.6	6.5	4.7	2.9	2.7	2.4	1.6	1.8	3.4	7.6	0.8
2	1.7	0.8	1.2	0.9	1.2	0.8	1.0	0.6	0.8	5.5	5.7	6.1	4.7	5.1	5.3	5.3	4.4	2.6	2.0	3.5	3.8	2.8	2.4	2.2	2.9	6.1	0.6
3	2.0	1.8	1.4	1.1	1.4	1.0	1.7	1.4	2.3	6.2	7.2	7.8	8.0	9.8	9.4	7.8	8.0	8.3	8.6	9.4	6.4	6.5	5.4	4.9	5.3	9.8	1.0
4	3.9	3.9	3.3	3.2	2.9	2.5	1.6	1.3	1.1	2.1	2.5	2.6	2.2	1.2	1.8	1.6	1.2	1.5	1.0	2.4	3.3	2.0	2.0	2.2	2.2	3.9	1.0
5	2.0	2.0	1.4	1.5	0.8	1.3	0.8	0.5	0.9	1.3	2.5	2.7	2.9	2.2	3.1	2.3	2.2	2.5	1.7	3.1	3.6	3.2	2.9	1.9	2.1	3.6	0.5
6	1.6	1.5	0.9	1.1	0.8	1.0	1.1	0.6	0.6	1.2	2.6	2.9	2.5	2.7	2.8	2.7	2.9	2.1	1.3	3.2	3.3	2.3	2.2	1.9	1.9	3.3	0.6
7	1.5	1.5	1.1	1.4	1.2	1.5	0.7	1.0	0.8	0.8	4.3	6.4	7.3	8.7	8.4	7.2	6.7	5.7	3.8	2.9	3.9	2.6	1.6	1.4	3.4	8.7	0.7
8	1.5	1.3	0.9	1.2	0.8	0.8	1.4	0.6	0.6	1.1	5.5	6.3	6.5	6.5	7.7	8.3	8.4	5.7	2.7	1.5	1.6	4.0	2.8	3.1	3.4	8.4	0.6
9	3.3	3.1	3.7	2.9	2.6	2.2	2.3	2.0	1.3	2.1	3.2	3.3	3.6	3.6	3.4	4.9	4.8	4.1	4.2	1.9	1.8	3.2	2.5	2.3	3.0	4.9	1.3
10	1.8	0.8	1.1	1.4	1.0	1.1	1.0	2.3	1.4	2.3	0.9	1.0	1.6	2.5	2.4	2.9	5.3	4.2	3.5	2.5	2.9	2.3	1.1	0.5	2.0	5.3	0.5
11	0.8	1.0	0.9	1.2	1.0	0.8	1.0	0.9	1.9	2.7	4.5	4.8	4.3	1.7	2.2	2.7	2.2	3.3	2.8	1.9	1.4	1.9	1.9	2.3	2.1	4.8	0.8
12	2.0	2.0	1.7	1.4	1.5	1.6	1.8	2.1	1.8	1.3	2.5	2.6	2.6	3.2	3.2	3.1	2.6	3.0	1.7	4.2	1.4	1.2	1.0	1.5	2.1	4.2	1.0
13	1.1	0.9	0.9	2.0	1.9	0.8	1.1	1.8	3.7	2.3	2.2	1.9	1.6	2.3	1.5	1.5	1.5	3.7	3.1	1.3	1.6	2.0	1.7	2.0	1.9	3.7	0.8
14	1.6	0.7	1.3	1.3	0.7	1.0	0.5	0.4	0.6	2.1	4.3	5.4	5.5	5.4	5.2	5.7	4.1	2.9	1.6	1.5	1.6	1.3	1.7	1.1	2.4	5.7	0.4
15	2.2	2.4	2.8	2.0	1.2	1.5	0.8	0.5	0.7	1.6	2.1	2.8	4.0	5.0	5.0	4.7	4.4	3.7	1.9	4.5	3.6	3.1	2.0	1.9	2.7	5.0	0.5
16	1.6	1.0	1.7	0.9	1.4	0.8	0.5	0.4	0.6	0.7	0.9	2.4	3.6	2.9	2.6	2.9	2.1	0.9	1.9	2.6	2.4	3.9	1.8	2.1	1.8	3.9	0.4
17	3.0	4.4	2.5	2.1	2.6	2.5	1.4	1.2	1.0	1.8	2.9	3.2	2.8	4.2	3.3	2.7	3.3	3.1	2.3	3.6	3.0	2.5	2.3	2.2	2.7	4.4	1.0
18	2.2	2.5	2.4	2.3	1.9	1.9	1.7	2.3	5.5	3.3	2.8	3.8	4.6	5.2	3.6	3.1	2.1	4.0	1.2	2.0	2.0	1.8	1.8	1.4	2.7	5.5	1.2
19	1.4	2.4	1.3	1.6	2.7	2.1	1.2	4.1	5.1	5.6	5.9	7.9	8.6	8.6	7.3	7.1	6.2	6.6	5.0	6.1	4.4	4.8	1.2	2.2	4.6	8.6	1.2
20	2.2	1.7	1.6	1.5	0.9	0.9	0.9	1.0	1.2	1.0	1.6	2.4	2.7	2.3	2.0	2.0	2.4	2.3	2.4	2.5	3.0	3.4	1.5	1.2	1.9	3.4	0.9
21	1.3	1.4	1.9	1.0	1.4	1.4	0.9	0.8	1.3	7.2	8.1	8.3	7.7	7.9	6.2	6.7	7.6	3.7	2.9	3.6	3.3	2.1	1.6	1.1	3.7	8.3	0.8
22	1.5	2.4	1.6	1.9	1.3	1.4	1.9	0.8	1.0	1.9	3.2	3.7	3.8	2.8	3.2	2.7	3.1	3.2	1.9	1.8	1.9	2.4	2.6	2.0	2.3	3.8	0.8
23	0.9	1.2	0.5	1.3	0.7	0.8	0.9	0.8	0.9	1.0	3.4	3.4	3.9	5.1	3.8	4.0	6.3	3.7	4.1	2.5	3.0	1.4	1.1	1.2	2.3	6.3	0.5
24	2.1	2.1	1.9	2.4	1.6	1.3	1.3	0.7	0.7	2.0	5.5	5.6	6.8	7.1	6.6	6.2	5.9	5.6	4.2	4.4	3.5	2.4	2.1	1.1	3.5	7.1	0.7
25	1.5	2.0	2.5	2.4	1.5	1.2	1.1	0.9	1.0	2.2	4.8	6.1	6.5	7.4	6.5	6.7	6.2	5.1	3.0	2.2	1.2	3.5	2.9	1.2	3.3	7.4	0.9
26	1.0	1.3	1.1	1.2	1.9	1.7	0.9	1.8	2.1	4.2	5.0	4.0	4.7	5.7	3.9	5.1	4.7	3.2	1.5	1.5	1.8	1.4	2.1	2.2	2.7	5.7	0.9
27	1.8	1.1	2.0	1.6	0.8	2.8	0.9	1.4	3.3	1.4	2.9	5.6	4.6	4.0	4.9	4.0	2.5	1.8	2.8	2.9	1.6	2.5	3.0	3.8	2.7	5.6	0.8
28	3.5	4.1	4.1	3.9	3.6	4.6	4.3	4.0	4.2	3.6	4.0	4.4	4.0	6.9	6.5	6.5	5.5	4.3	6.7	6.0	5.9	3.3	5.3	3.6	4.7	6.9	3.3
29	4.8	5.6	4.6	5.6	3.8	4.6	2.2	2.3	3.4	4.7	3.8	4.2	3.5	2.4	3.0	3.3	2.9	3.4	1.6	0.9	1.3	0.9	2.5	4.1	3.3	5.6	0.9
30	6.5	4.8	3.5	4.9	4.8	2.0	1.2	2.3	4.9	5.0	5.1	6.2	5.3	4.3	7.5	7.4	6.3	6.0	4.9	4.6	4.9	5.6	5.0	2.4	4.8	7.5	1.2
Avg	2.1	2.1	1.9	1.9	1.7	1.6	1.3	1.4	1.9	2.8	3.8	4.4	4.5	4.8	4.6	4.6	4.4	3.9	3.0	3.1	2.9	2.8	2.3	2.1	2.9	5.8	0.9
Max	6.5	5.6	4.6	5.6	4.8	4.6	4.3	4.1	5.5	7.2	8.1	8.3	8.6	9.8	9.4	8.3	8.4	8.3	8.6	9.4	6.4	6.5	5.4	4.9	5.3	9.8	3.3
Min	0.8	0.7	0.5	0.9	0.7	0.8	0.5	0.4	0.6	0.7	0.9	1.0	1.6	1.2	1.5	1.5	1.2	0.9	1.0	0.9	1.2	0.9	1.0	0.5	1.8	3.3	0.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
July 2014

Day	<< Hour >>																								Prev
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	68	40	155	344	35	30	160	83	306	292	312	328	219	141	90	8	9	122	154	145	106	87	73	74	69
2	70	82	133	96	104	115	178	158	144	146	153	154	141	145	147	145	145	152	147	139	45	286	83	109	130
3	132	150	98	88	130	58	54	45	93	180	278	287	295	313	285	219	165	61	125	127	114	111	93	104	110
4	72	86	101	69	53	139	140	349	14	345	51	220	259	259	292	312	54	123	142	108	114	120	98	62	81
5	81	105	56	108	85	107	144	181	27	339	315	296	290	276	280	300	307	304	301	281	187	125	104	72	3
6	64	95	65	124	66	74	194	333	321	264	273	266	270	285	283	294	314	313	320	292	120	70	63	93	339
7	28	51	131	151	180	306	327	328	336	306	274	263	263	304	316	318	320	329	30	25	353	69	90	141	337
8	105	88	77	54	63	65	331	114	161	170	163	150	173	121	113	328	319	338	337	67	90	83	78	82	87
9	117	115	85	75	43	73	330	322	318	309	297	287	234	285	328	300	303	305	258	274	199	113	144	128	312
10	102	131	94	76	98	88	200	339	323	289	301	247	265	273	290	290	297	293	298	310	94	72	54	102	332
11	75	86	69	65	335	343	320	297	277	249	275	217	156	154	153	166	189	151	123	64	77	76	80	113	111
12	87	117	120	67	66	39	11	306	323	274	316	305	307	266	295	299	315	308	356	24	80	63	81	58	3
13	89	49	42	54	53	54	143	73	261	303	287	299	270	290	346	3	31	25	25	57	84	117	76	103	36
14	86	37	83	104	101	112	142	168	158	160	172	153	142	143	145	144	134	144	136	132	92	83	131	144	129
15	128	119	180	154	127	150	200	322	125	135	260	118	158	95	303	48	289	161	336	294	309	335	104	320	147
16	28	31	72	76	78	82	159	193	273	292	273	283	288	287	294	287	302	291	292	106	99	75	76	97	353
17	93	92	93	105	123	107	150	259	335	342	295	276	265	270	275	257	267	267	249	232	104	75	91	109	217
18	16	245	271	235	109	80	159	293	309	326	328	337	316	266	276	303	274	226	260	137	110	89	77	84	295
19	96	106	118	92	82	86	33	326	72	265	253	262	254	256	252	277	289	288	303	307	167	126	59	140	272
20	124	97	88	119	132	96	114	341	261	274	269	261	265	260	254	266	275	290	314	335	148	339	102	263	265
21	170	228	111	107	258	99	154	109	151	148	184	225	266	262	168	158	283	313	260	195	323	92	57	65	175
22	65	68	71	74	124	149	97	110	95	92	82	174	162	169	252	151	68	177	110	117	92	88	120	97	111
23	332	49	90	115	265	96	67	353	317	179	171	166	158	173	220	223	204	241	94	95	357	37	314	307	138
24	89	1	110	55	114	22	125	301	296	278	292	291	273	292	286	278	299	284	279	300	305	204	225	16	300
25	66	230	98	149	194	202	206	302	288	267	260	249	248	246	271	272	280	285	287	304	339	222	285	87	258
26	98	103	55	74	62	79	317	34	294	288	286	286	282	294	290	312	303	316	321	327	74	77	130	133	351
27	37	68	65	83	71	52	138	317	337	179	146	347	41	8	359	350	331	339	293	93	78	58	94	80	43
28	75	73	127	133	43	39	130	345	19	320	163	163	153	154	143	142	136	138	131	356	293	292	302	272	111
29	62	80	99	79	97	128	109	187	150	125	159	168	168	126	89	108	79	74	75	65	62	72	79	315	102
30	136	114	68	59	80	70	115	296	322	162	168	216	173	142	180	206	295	285	295	99	74	88	65	88	117
31	40	79	57	94	83	109	158	285	323	299	284	282	299	292	296	298	267	327	69	75	73	35	71	110	13
Prev	81	87	93	91	89	84	137	327	321	265	260	251	241	248	271	280	298	292	313	57	83	80	85	92	79

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
August 2014

Day	<< Hour >>																								Prev
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	80	338	56	96	26	52	120	164	131	280	299	128	29	74	355	66	55	67	81	73	78	123	156	86	75
2	104	112	84	76	108	128	346	20	67	152	145	137	170	193	274	266	306	330	87	59	100	27	75	85	91
3	92	100	38	36	358	56	100	302	21	348	357	286	266	313	327	332	254	311	8	95	58	75	328	350	5
4	89	82	20	66	145	151	321	357	319	186	187	162	152	152	85	18	48	79	87	84	91	110	54	61	88
5	6	57	137	321	342	307	29	119	195	194	166	194	283	276	46	133	153	156	145	129	109	88	100	91	120
6	105	79	71	70	129	80	147	277	327	310	289	277	288	317	294	275	237	259	209	153	103	106	96	97	128
7	91	113	61	86	104	60	106	191	274	306	294	266	279	309	342	307	245	237	164	97	117	93	45	81	75
8	113	93	84	64	85	76	156	7	332	288	294	309	280	137	97	63	81	80	167	157	103	225	92	79	89
9	111	90	64	93	80	100	26	48	320	317	304	284	284	282	339	331	16	95	63	70	72	77	88	88	44
10	115	107	100	119	105	110	113	133	150	158	77	301	281	313	327	316	344	352	49	98	80	26	126	44	78
11	25	353	17	88	8	87	124	148	171	346	242	218	352	340	322	327	355	145	117	79	78	62	84	69	50
12	66	89	51	56	59	23	93	257	30	133	148	143	143	165	202	233	55	76	59	95	106	110	57	79	93
13	286	25	103	107	125	147	138	91	108	71	282	342	280	327	329	351	152	303	358	81	110	157	121	341	65
14	78	8	69	110	113	113	42	76	171	126	277	356	22	312	347	14	297	343	148	83	82	90	78	81	61
15	82	92	77	124	112	75	51	127	323	276	330	304	187	222	305	304	291	339	342	105	77	325	36	136	33
16	140	144	119	100	143	133	118	150	169	270	250	259	261	264	270	273	258	263	269	286	295	107	81	113	203
17	93	79	97	33	80	57	75	324	2	282	282	282	279	287	301	321	314	322	320	1	8	106	170	135	356
18	54	56	104	16	32	104	119	153	166	254	261	279	283	256	271	256	279	307	295	50	84	59	74	86	22
19	139	73	79	101	103	79	80	180	314	302	292	283	254	271	275	295	224	28	120	74	66	89	16	58	56
20	40	54	72	62	84	117	33	105	246	301	287	317	298	282	246	282	309	307	317	334	70	84	13	324	350
21	299	49	298	40	340	305	327	303	326	215	304	286	286	277	304	355	33	37	112	331	85	49	72	83	343
22	83	94	62	14	44	59	44	359	181	167	170	329	329	300	327	32	26	33	38	313	322	344	337	327	13
23	317	313	309	310	306	302	313	312	308	313	313	315	345	351	354	342	323	335	316	319	329	329	331	327	322
24	298	297	299	302	305	300	308	309	306	302	312	312	315	313	303	304	305	315	310	321	339	350	312	31	313
25	343	303	260	200	110	155	196	142	159	153	150	185	181	193	213	226	223	228	274	159	148	112	105	103	179
26	85	106	90	79	90	91	94	149	26	290	261	278	279	273	265	260	272	246	242	127	104	83	76	69	104
27	74	123	126	94	122	121	108	237	64	277	257	261	293	290	292	302	296	304	243	110	85	81	89	90	105
28	91	87	98	88	101	123	133	338	357	304	265	283	278	273	279	286	271	278	290	304	307	314	296	22	310
29	312	290	162	103	98	113	153	174	105	146	301	296	237	247	260	249	210	194	300	93	103	116	120	163	176
30	118	102	35	71	21	94	111	92	78	37	285	270	278	290	248	74	183	144	138	113	99	102	50	80	89
31	68	116	55	221	52	14	84	112	202	285	288	277	265	267	301	287	298	288	287	312	85	99	87	80	333
Prev	74	73	72	75	77	88	88	119	360	273	275	278	279	280	302	311	296	323	3	75	79	79	70	71	42

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
September 2014

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	4	89	37	48	21	52	51	152	258	253	276	269	247	244	243	248	268	270	269	287	97	89	79	37	312
2	119	102	72	106	90	107	152	222	39	264	262	259	245	234	225	232	220	269	301	67	67	94	91	62	149
3	87	118	95	91	92	66	61	9	334	315	298	301	300	284	291	286	299	313	303	294	304	312	310	305	327
4	302	272	272	283	291	289	251	273	304	288	304	281	231	82	166	329	235	157	307	113	83	105	101	66	278
5	58	92	77	110	67	127	125	62	20	293	327	281	280	303	280	262	243	226	251	106	96	73	90	100	68
6	89	86	49	81	67	105	130	83	13	16	284	289	280	303	312	271	186	225	279	103	84	98	93	71	62
7	63	86	89	79	108	126	94	172	304	139	269	271	266	256	255	263	272	282	284	132	88	74	38	52	108
8	48	58	141	122	90	56	134	90	126	358	289	263	273	257	270	278	280	292	291	341	313	256	267	277	297
9	261	277	260	285	269	268	277	258	261	282	308	308	296	303	289	294	261	266	256	306	309	270	256	278	279
10	258	276	239	286	150	79	101	165	300	308	271	132	294	340	305	296	284	324	320	316	307	223	201	186	276
11	76	136	302	255	259	218	248	271	128	106	157	153	141	166	160	151	152	147	151	151	126	101	110	112	154
12	126	135	135	151	154	151	142	122	122	132	156	224	201	245	252	282	276	274	173	68	336	348	358	131	164
13	100	145	114	22	353	31	342	169	276	286	282	280	250	272	303	91	311	215	150	129	141	136	139	135	178
14	138	86	72	54	4	106	43	53	357	288	285	284	291	291	297	314	322	298	266	103	57	77	102	136	12
15	126	101	95	90	101	129	53	182	325	88	124	285	271	275	276	298	290	280	164	93	89	68	63	99	96
16	101	108	149	47	149	109	132	100	311	352	148	260	267	270	267	267	233	122	107	89	99	71	86	103	118
17	84	73	105	73	74	89	127	146	144	138	150	159	208	233	230	218	205	194	115	97	79	101	115	112	131
18	112	93	86	90	118	136	142	127	139	128	139	153	167	178	180	234	212	175	130	107	111	86	85	100	132
19	82	94	96	77	103	125	261	284	274	274	276	274	271	279	279	303	300	297	277	274	301	286	146	89	283
20	97	26	64	115	33	73	50	98	322	227	332	304	258	214	299	254	280	287	168	97	83	81	93	70	50
21	68	95	93	78	72	49	10	134	24	153	159	159	155	154	139	150	150	126	101	83	90	109	123	121	111
22	88	50	36	110	83	143	145	117	86	139	256	225	224	244	270	234	192	157	130	120	117	98	82	95	132
23	53	136	50	117	143	131	161	95	151	33	272	272	246	266	281	276	280	86	77	118	122	154	173	148	141
24	134	134	135	114	127	161	120	105	5	100	182	184	208	215	204	201	193	170	128	92	95	91	129	347	142
25	137	122	126	90	104	110	103	185	325	132	168	170	172	169	176	171	176	187	170	177	143	89	66	359	142
26	347	350	124	337	68	85	57	120	20	327	276	293	304	288	299	289	310	312	31	55	97	169	338	138	355
27	316	155	36	53	119	85	179	101	126	182	164	153	147	158	166	166	186	85	91	129	122	109	120	147	131
28	145	144	111	125	123	120	132	126	132	137	113	128	130	155	168	166	135	153	151	145	133	170	150	128	138
29	159	145	144	139	142	145	135	139	157	145	178	160	169	146	197	172	177	179	125	123	125	149	259	244	158
30	246	242	256	275	262	304	269	313	277	261	270	269	279	273	273	278	280	279	304	304	305	318	327	316	282
Prev	93	106	96	86	96	107	117	132	347	228	243	244	241	245	251	252	244	231	190	101	90	100	100	99	146

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
July 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	38	65	33	90	50	80	63	46	45	51	50	68	33	14	50	32	40	34	8	9	26	10	7	9	40	90	7
2	7	7	27	42	38	35	66	48	10	11	12	17	20	30	22	23	14	7	7	15	65	53	51	32	27	66	7
3	33	97	11	55	40	44	70	83	57	98	94	39	14	43	30	58	63	56	37	31	65	39	62	72	54	98	11
4	43	22	23	19	36	20	23	64	40	62	67	63	41	36	29	36	52	68	23	24	24	30	28	89	40	89	19
5	70	25	44	25	28	56	53	92	80	69	26	19	20	22	19	16	10	9	9	19	81	74	61	25	40	92	9
6	25	38	57	25	25	54	74	75	30	28	29	22	24	18	17	21	10	13	11	16	75	28	38	40	33	75	10
7	37	57	99	37	62	36	19	11	16	16	24	21	16	27	18	18	25	20	19	55	82	54	42	61	36	99	11
8	32	42	69	26	30	48	75	65	11	13	27	26	67	79	73	74	52	61	27	58	9	11	10	18	42	79	9
9	36	22	32	22	26	50	64	74	44	49	36	36	17	39	31	20	11	15	24	19	82	23	22	16	34	82	11
10	56	68	46	52	36	38	86	76	62	37	32	43	34	26	27	19	13	18	13	37	65	37	37	23	41	86	13
11	38	47	102	72	76	29	15	41	27	10	33	57	21	21	25	27	39	24	18	17	13	12	11	25	33	102	10
12	60	75	72	73	16	30	51	66	43	52	43	37	43	54	42	38	24	16	30	9	18	43	39	48	43	75	9
13	26	55	29	27	39	40	45	90	85	50	34	23	35	37	35	28	29	14	15	23	19	37	33	56	38	90	14
14	64	89	82	59	41	30	38	24	11	14	15	11	16	13	12	8	12	10	10	14	75	59	34	28	32	89	8
15	65	32	72	70	78	31	91	45	82	67	64	58	8	38	66	96	45	55	67	50	22	47	58	59	57	96	8
16	45	19	19	31	11	15	86	43	72	69	34	14	21	26	20	18	10	10	18	47	13	15	11	19	29	86	10
17	25	39	39	43	40	62	18	74	78	38	19	33	41	48	25	23	17	13	21	41	30	21	29	29	35	78	13
18	42	96	73	88	40	55	38	82	41	42	25	24	66	14	20	15	18	23	22	45	37	34	30	40	42	96	14
19	38	40	36	57	66	76	87	60	75	30	12	12	15	17	16	16	16	13	15	34	27	48	85	50	39	87	12
20	58	58	45	51	53	59	80	68	17	18	20	15	21	15	16	23	18	14	14	62	85	54	80	92	43	92	14
21	43	84	88	86	92	76	57	45	28	18	21	25	26	34	20	33	20	24	53	59	93	51	53	14	48	93	14
22	42	22	21	32	21	50	90	65	20	15	31	55	62	69	54	69	22	41	61	29	37	66	72	61	46	90	15
23	53	70	18	30	52	75	19	48	32	59	15	23	17	29	40	36	25	45	42	72	59	36	59	62	42	75	15
24	51	51	37	37	54	82	85	100	21	24	20	20	14	10	18	16	18	13	20	24	36	81	72	79	41	100	10
25	78	46	96	52	78	80	71	17	22	15	19	18	18	19	17	16	17	12	11	11	61	69	103	36	41	103	11
26	29	23	32	27	65	63	72	45	36	20	21	25	26	22	23	28	34	21	11	60	41	43	16	23	34	72	11
27	59	40	63	87	41	39	54	41	57	46	61	68	76	51	50	56	28	27	87	22	20	23	19	16	47	87	16
28	22	60	68	63	27	38	59	43	51	74	11	9	10	14	9	9	10	10	12	59	34	42	29	59	34	74	9
29	96	34	70	11	18	56	27	69	11	36	20	17	19	42	22	66	9	10	34	14	12	14	24	72	33	96	9
30	49	16	74	48	35	46	55	46	73	27	47	44	78	65	53	31	23	30	68	39	88	32	19	25	46	88	16
31	68	50	69	56	47	27	72	87	37	34	24	26	20	32	22	14	22	48	32	13	13	37	22	21	37	87	13
Avg	46	48	53	48	44	49	58	59	42	38	32	31	30	32	30	32	24	25	27	33	45	39	41	42	40	87	12
Max	96	97	102	90	92	82	91	100	85	98	94	68	78	79	73	96	63	68	87	72	93	81	103	92	57	103	19
Min	7	7	11	11	11	15	15	11	10	10	11	9	8	10	9	8	9	7	7	9	9	10	7	9	27	66	7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
August 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	65	70	68	55	40	63	49	63	86	79	55	84	35	27	63	19	14	13	10	10	8	62	34	11	45	86	8
2	18	18	22	37	54	32	90	60	103	11	20	50	46	92	24	11	19	25	56	62	73	98	29	71	47	103	11
3	32	24	74	55	54	46	34	68	82	35	40	22	23	55	31	46	37	29	43	41	62	58	67	52	46	82	22
4	89	45	37	66	71	81	39	72	35	65	68	13	15	17	81	21	34	12	10	11	23	22	66	36	43	89	10
5	48	38	62	70	69	99	49	32	67	84	94	66	56	52	86	20	27	12	7	16	28	14	19	17	47	99	7
6	26	17	26	37	45	55	42	66	54	64	33	32	57	41	23	25	30	13	54	35	32	33	19	20	37	66	13
7	14	21	28	35	19	37	48	72	67	53	25	34	54	35	58	36	43	45	62	31	46	52	49	22	41	72	14
8	31	33	29	26	44	65	53	53	74	35	22	25	13	85	28	35	11	10	45	27	69	70	31	14	39	85	10
9	94	11	19	48	54	59	66	44	72	20	26	23	26	42	43	23	56	88	67	26	9	11	17	12	40	94	9
10	22	20	22	34	27	18	25	28	27	40	83	38	45	37	27	35	41	66	38	24	26	54	82	78	39	83	18
11	72	56	43	39	51	32	44	47	77	66	72	96	70	43	25	41	63	29	37	8	10	48	25	36	47	96	8
12	74	91	67	48	41	48	51	84	78	40	12	13	21	41	49	46	75	12	45	24	47	42	55	60	49	91	12
13	17	80	25	34	30	41	33	44	42	88	36	71	58	72	54	42	84	30	62	8	36	16	36	73	46	88	8
14	54	78	65	36	42	73	75	83	59	60	34	63	28	30	31	55	69	24	40	39	8	14	28	16	46	83	8
15	14	28	26	51	71	56	75	44	29	81	58	29	39	37	23	31	64	31	29	85	13	68	85	32	46	85	13
16	33	34	23	25	13	46	58	18	63	57	14	14	13	21	16	15	17	13	11	10	17	30	55	38	27	63	10
17	30	35	42	61	70	56	77	42	86	25	24	20	25	18	19	14	12	12	9	20	25	73	33	33	36	86	9
18	67	66	48	73	61	71	58	61	98	98	22	34	35	31	26	24	19	15	22	89	11	23	28	34	46	98	11
19	22	38	50	38	51	81	76	86	42	24	23	32	24	20	20	13	44	94	56	34	70	62	64	27	45	94	13
20	39	21	20	53	47	23	60	80	93	34	47	28	44	35	20	26	21	67	14	56	44	31	77	24	42	93	14
21	39	78	26	74	54	25	24	19	15	85	32	14	21	17	50	24	26	13	51	90	74	66	22	11	40	90	11
22	10	9	30	47	32	59	32	33	54	17	59	10	19	16	26	24	13	15	30	25	10	21	24	15	26	59	9
23	11	13	11	12	12	13	8	8	10	11	8	9	17	14	14	12	9	16	9	7	8	9	9	26	12	26	7
24	7	8	8	11	8	9	10	9	10	9	10	12	13	12	10	11	11	13	12	12	25	23	53	47	15	53	7
25	11	33	29	45	81	88	63	37	18	23	31	23	43	48	33	23	29	34	26	33	46	18	12	15	35	88	11
26	17	18	20	19	38	38	83	41	94	44	19	36	36	25	21	27	25	16	13	79	17	9	11	21	32	94	9
27	24	21	37	47	31	47	65	72	65	50	18	19	23	24	21	20	19	13	58	23	14	11	9	14	31	72	9
28	22	28	44	41	44	33	69	82	85	47	17	28	22	18	23	15	16	11	12	15	14	14	13	27	31	85	11
29	82	41	37	36	21	35	29	84	66	41	59	27	30	44	29	28	21	28	78	16	43	51	39	84	44	84	16
30	48	51	32	33	44	39	34	28	13	52	21	26	29	36	58	39	36	19	19	34	30	22	45	29	34	58	13
31	75	51	94	100	85	68	59	57	98	17	15	14	20	14	23	15	15	12	12	28	68	21	21	58	43	100	12
Avg	39	38	38	45	45	50	51	52	60	47	35	32	32	35	34	26	32	27	33	33	32	37	37	34	39	82	11
Max	94	91	94	100	85	99	90	86	103	98	94	96	70	92	86	55	84	94	78	90	74	98	85	84	49	103	22
Min	7	8	8	11	8	9	8	8	10	9	8	9	13	12	10	11	9	10	7	7	8	9	9	11	12	26	7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
September 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	73	45	70	32	29	33	71	57	61	15	22	22	17	16	16	16	14	14	9	75	21	25	28	50	35	75	9
2	48	73	50	77	82	58	84	71	92	20	20	21	23	22	23	17	25	24	21	36	20	21	43	36	42	92	17
3	34	26	40	78	62	93	79	76	28	19	14	14	19	16	12	21	16	9	10	8	9	11	11	9	30	93	8
4	16	14	9	10	9	12	12	32	67	49	42	47	46	96	92	62	82	56	59	20	10	18	22	17	37	96	9
5	29	28	42	38	59	31	53	91	91	66	47	48	46	63	36	38	34	25	54	23	12	14	14	20	42	91	12
6	17	34	38	48	52	38	39	64	85	51	37	36	53	46	45	70	25	21	87	17	17	18	26	23	41	87	17
7	30	46	51	48	79	49	64	70	60	94	30	19	16	13	13	16	16	12	13	62	16	18	27	42	38	94	12
8	42	62	58	60	67	56	36	88	94	60	13	17	17	17	21	14	11	13	32	59	40	22	17	26	39	94	11
9	11	21	19	16	11	14	18	27	60	41	18	21	18	14	17	10	12	15	9	93	41	17	17	24	24	93	9
10	17	97	89	61	86	98	46	62	80	61	47	77	67	19	36	22	12	9	8	11	15	66	40	60	49	98	8
11	76	48	33	11	18	52	44	29	75	29	12	16	12	52	37	22	20	15	8	15	22	14	20	17	29	76	8
12	14	15	11	18	16	14	14	18	30	59	43	33	54	36	28	24	35	12	73	22	52	40	67	29	32	73	11
13	63	70	90	53	63	89	73	70	16	34	41	45	64	34	65	84	50	69	17	28	15	13	14	17	49	90	13
14	33	92	25	25	45	43	79	67	61	40	17	18	19	18	20	19	13	14	64	46	46	72	35	42	40	92	13
15	25	17	12	16	22	21	34	52	38	48	42	37	26	18	20	16	19	10	79	15	16	24	31	33	28	79	10
16	28	36	17	77	24	76	66	103	60	69	90	83	28	15	16	19	22	60	25	19	14	37	57	26	44	103	14
17	48	51	34	62	21	30	28	42	69	47	22	35	42	25	25	13	11	21	47	28	47	24	19	21	34	69	11
18	20	25	29	20	24	27	26	88	12	16	31	13	11	12	25	26	22	13	44	40	33	63	54	55	30	88	11
19	82	66	46	79	74	75	100	22	13	13	16	15	16	14	13	13	9	10	15	12	24	14	71	23	35	100	9
20	44	36	52	33	85	55	60	89	31	80	90	47	50	66	83	66	31	12	47	22	17	13	46	37	50	90	12
21	39	35	31	54	36	42	54	48	60	15	8	9	9	8	12	9	7	17	18	8	14	30	30	51	27	60	7
22	47	22	44	40	59	21	21	98	102	59	21	31	20	23	20	21	30	9	20	19	15	14	12	17	33	102	9
23	60	27	71	39	78	72	88	78	46	72	28	34	22	19	27	24	12	45	10	21	20	48	37	18	42	88	10
24	19	13	23	28	28	30	37	73	85	69	13	15	20	21	15	17	16	13	21	13	9	32	18	65	29	85	9
25	72	52	28	23	39	48	61	99	101	65	18	18	19	18	17	13	11	14	15	21	48	17	43	38	37	101	11
26	34	70	41	94	72	65	76	42	45	21	20	21	13	19	15	13	14	36	60	67	68	64	49	50	45	94	13
27	72	75	39	80	91	35	69	81	26	48	16	7	9	12	9	9	37	50	24	13	27	39	20	20	38	91	7
28	14	16	14	22	16	13	13	14	19	21	17	22	27	9	11	9	19	20	12	15	16	28	23	25	17	28	9
29	17	10	11	10	10	8	20	21	19	15	17	17	15	35	39	17	11	8	52	76	29	82	19	12	24	82	8
30	9	10	16	11	14	27	60	44	14	11	15	11	11	15	14	13	12	10	12	9	12	10	6	12	16	60	6
Avg	38	41	38	42	46	44	51	61	55	44	29	28	27	26	27	24	22	22	32	30	25	30	31	31	35	85	10
Max	82	97	90	94	91	98	100	103	102	94	90	83	67	96	92	84	82	69	87	93	68	82	71	65	50	103	17
Min	9	10	9	10	9	8	12	14	12	11	8	7	9	8	9	9	7	8	8	8	9	10	6	9	16	28	6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
July 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	4.2	3.5	2.8	2.6	1.7	1.8	4.3	8.8	13.0	14.7	15.9	16.4	16.5	16.0	16.5	17.5	18.6	18.5	17.8	16.5	14.7	13.0	11.4	12.4	11.6	18.6	1.7
2	12.6	12.1	9.4	7.4	6.2	5.7	9.0	14.9	17.0	18.4	19.3	20.3	21.3	22.2	23.0	23.6	24.0	23.6	22.4	20.6	19.7	18.7	18.1	17.2	16.9	24.0	5.7
3	16.8	15.2	12.7	12.3	11.6	11.0	11.6	15.7	20.0	22.3	23.4	24.2	24.5	25.3	25.8	24.2	23.1	21.8	20.0	19.8	18.4	15.6	16.8	17.6	18.7	25.8	11.0
4	15.6	12.7	10.8	10.1	9.1	8.0	10.6	13.0	15.7	18.3	20.8	22.9	24.3	25.5	26.0	24.1	20.2	19.9	21.3	20.4	17.2	14.3	14.1	13.1	17.0	26.0	8.0
5	12.4	11.2	9.8	9.2	8.9	8.2	9.7	13.0	15.5	18.0	19.5	20.3	20.7	23.2	24.5	24.6	23.8	23.8	22.8	21.5	19.4	16.0	13.5	11.1	16.7	24.6	8.2
6	9.9	8.1	7.0	5.9	5.5	6.1	8.8	14.1	19.0	20.6	21.7	22.8	24.2	24.9	25.2	25.1	24.9	25.1	23.6	22.5	19.8	15.1	12.6	10.7	16.8	25.2	5.5
7	9.3	8.4	7.0	6.3	5.7	10.9	13.3	13.6	14.2	15.1	16.4	17.1	17.6	18.5	19.0	19.2	19.6	19.6	19.1	17.7	15.0	12.2	10.0	8.4	13.9	19.6	5.7
8	7.0	6.2	6.0	7.0	6.8	6.7	8.9	14.3	16.9	18.2	19.6	20.7	21.6	22.4	23.3	23.8	24.2	24.3	24.3	22.2	19.3	17.7	17.9	17.8	16.5	24.3	6.0
9	16.1	13.7	11.3	9.7	9.2	8.8	10.6	14.9	19.1	21.4	22.7	23.4	23.0	23.2	24.0	24.5	23.9	23.6	22.9	21.9	19.6	17.1	17.2	16.4	18.3	24.5	8.8
10	15.5	12.7	10.0	8.8	7.2	7.0	9.2	14.0	18.4	20.1	21.2	22.5	23.5	24.3	25.0	25.5	25.7	25.9	25.5	23.4	19.6	15.3	12.8	11.2	17.7	25.9	7.0
11	9.3	8.1	7.2	6.8	8.5	12.7	14.1	15.3	15.6	14.8	16.2	17.6	19.3	20.0	21.3	21.9	22.6	22.6	21.2	19.8	17.7	16.5	16.3	14.9	15.8	22.6	6.8
12	13.3	12.3	11.0	11.5	11.1	10.2	11.8	14.7	18.0	20.4	21.9	22.7	23.1	24.1	24.6	25.0	25.1	24.9	23.9	22.4	19.5	16.4	13.8	11.7	18.1	25.1	10.2
13	10.5	8.8	8.6	7.8	7.1	6.8	9.1	13.8	18.8	21.9	23.5	24.2	25.0	25.7	25.8	25.9	26.1	25.5	24.7	23.0	20.6	16.6	14.6	13.7	17.8	26.1	6.8
14	12.9	11.7	10.8	10.6	10.2	11.1	13.2	16.2	18.0	19.1	20.8	21.6	22.4	22.9	23.0	22.2	22.0	21.9	21.1	19.5	18.4	17.7	17.2	16.5	17.5	23.0	10.2
15	15.9	13.4	10.4	10.0	10.0	9.6	10.3	11.4	12.6	15.0	15.1	14.7	13.5	15.0	13.4	12.3	12.3	12.7	13.1	13.3	12.8	12.1	11.1	11.1	12.5	15.9	9.6
16	10.5	9.5	9.4	8.7	7.8	7.1	8.0	8.7	10.7	14.4	16.2	18.0	19.3	20.7	21.7	22.5	22.5	22.1	21.2	19.0	14.3	12.6	11.6	9.8	14.4	22.5	7.1
17	9.2	8.3	8.2	7.3	7.3	6.6	8.3	11.7	16.2	20.0	21.5	22.4	23.3	24.1	24.8	25.3	25.4	25.3	24.7	21.9	17.6	14.5	12.6	11.1	16.6	25.4	6.6
18	11.1	13.4	10.8	9.4	7.5	6.3	6.9	9.3	11.3	13.3	16.0	17.3	19.0	18.7	18.8	19.5	19.8	20.0	19.2	16.5	13.0	11.2	10.7	8.8	13.7	20.0	6.3
19	7.6	6.1	5.2	4.5	3.9	4.2	6.1	8.6	13.2	17.6	19.1	20.4	21.7	22.8	23.2	23.3	23.5	23.1	22.1	20.8	17.3	13.8	11.4	10.4	14.6	23.5	3.9
20	10.4	8.5	7.1	6.6	6.2	6.2	8.5	14.1	19.0	19.7	20.5	21.5	22.8	23.9	24.4	24.5	25.3	25.1	23.9	21.9	18.9	16.7	14.2	12.6	16.8	25.3	6.2
21	11.4	9.9	8.4	8.0	11.4	12.8	12.4	11.9	13.4	16.0	17.4	18.6	17.9	17.0	17.1	19.1	20.7	20.9	20.2	18.6	15.6	13.8	12.9	12.5	14.9	20.9	8.0
22	12.1	12.0	11.6	11.6	11.4	11.4	11.7	12.0	12.5	14.0	16.4	18.5	19.9	21.3	22.3	22.1	21.0	20.2	18.6	16.9	15.7	15.2	15.4	16.7	15.9	22.3	11.4
23	16.5	16.6	16.7	17.6	17.2	15.1	15.0	16.4	18.3	20.4	22.1	22.7	23.4	24.0	24.7	25.4	25.8	26.2	24.7	20.5	16.0	15.4	12.7	11.5	19.4	26.2	11.5
24	10.8	9.8	10.3	9.2	9.0	8.5	11.4	14.5	17.2	18.3	19.0	19.2	19.8	17.3	16.8	18.1	17.8	17.1	16.4	15.1	13.1	9.5	9.7	9.0	14.0	19.8	8.5
25	8.2	8.8	6.1	4.7	3.4	4.3	8.3	10.2	11.6	12.6	13.6	15.2	16.6	17.7	18.7	19.5	19.7	19.4	18.8	17.2	15.6	12.7	9.5	9.2	12.6	19.7	3.4
26	6.7	4.9	3.4	3.0	1.8	1.1	3.2	8.6	13.6	15.0	16.2	17.4	18.3	19.2	20.1	20.7	21.2	21.1	20.4	18.2	13.8	11.1	8.8	6.2	12.3	21.2	1.1
27	5.4	5.0	4.2	3.3	3.2	3.5	5.3	10.8	15.6	18.4	19.7	20.7	22.1	22.9	23.9	24.6	24.9	24.9	24.7	19.4	15.5	13.3	15.6	18.9	15.2	24.9	3.2
28	18.6	17.2	15.4	12.8	9.3	8.1	9.4	13.8	17.3	21.3	23.2	24.2	25.5	26.0	25.7	25.2	24.9	24.7	23.7	21.4	19.8	17.2	16.2	17.3	19.1	26.0	8.1
29	19.1	19.1	16.7	15.8	15.4	13.2	15.0	18.3	18.3	19.6	21.3	22.7	23.9	23.4	17.2	16.8	16.6	18.3	19.2	16.2	13.8	12.2	10.9	9.3	17.2	23.9	9.3
30	8.8	9.1	8.3	7.9	7.5	7.2	9.4	13.4	18.5	22.0	22.9	23.5	24.3	25.2	25.8	25.2	23.9	24.1	24.6	20.3	16.6	15.6	13.5	11.9	17.1	25.8	7.2
31	10.3	8.6	7.5	7.0	5.8	5.3	7.4	12.4	17.5	21.4	23.0	24.2	25.3	26.0	26.4	26.0	25.2	24.3	20.8	16.7	14.2	12.9	12.1	9.4	16.2	26.4	5.3
Avg	11.5	10.5	9.2	8.5	8.0	7.9	9.7	13.0	16.0	18.1	19.6	20.6	21.4	22.0	22.3	22.5	22.4	22.3	21.5	19.5	16.9	14.6	13.4	12.5	16.0	23.4	7.0
Max	19.1	19.1	16.7	17.6	17.2	15.1	15.0	18.3	20.0	22.3	23.5	24.2	25.5	26.0	26.4	26.0	26.1	26.2	25.5	23.4	20.6	18.7	18.1	18.9	19.4	26.4	11.5
Min	4.2	3.5	2.8	2.6	1.7	1.1	3.2	8.6	10.7	12.6	13.6	14.7	13.5	15.0	13.4	12.3	12.3	12.7	13.1	13.3	12.8	9.5	8.8	6.2	11.6	15.9	1.1

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
August 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	8.0	7.7	6.8	6.4	6.0	6.3	8.0	13.0	16.5	20.8	23.7	24.7	23.4	22.2	22.7	24.1	25.1	24.2	23.2	21.0	17.7	17.7	18.9	16.2	16.8	25.1	6.0
2	14.9	12.8	11.8	9.7	8.6	7.3	8.6	12.2	18.6	21.6	23.0	23.8	24.0	24.2	24.5	23.5	21.9	20.8	20.6	18.8	15.1	14.2	12.9	9.8	16.8	24.5	7.3
3	9.4	9.3	7.9	7.4	7.6	7.5	9.7	11.2	14.9	18.7	20.6	22.3	23.1	23.8	24.1	24.5	25.0	24.2	23.2	20.8	17.8	15.5	13.9	14.2	16.5	25.0	7.4
4	12.5	10.3	9.6	8.1	7.6	6.9	7.3	10.2	14.8	19.1	21.5	22.5	22.6	22.6	19.6	13.8	12.7	12.1	12.3	12.9	12.5	11.9	11.7	11.7	13.6	22.6	6.9
5	12.0	12.1	11.6	11.5	10.8	10.6	11.0	12.5	14.6	16.3	17.7	18.7	19.2	20.3	20.7	19.7	20.8	21.2	20.3	18.6	16.5	13.9	12.5	11.6	15.6	21.2	10.6
6	10.1	10.0	9.4	8.9	8.2	7.6	8.2	11.3	15.2	19.0	21.0	22.2	22.9	23.6	24.2	24.4	25.2	25.2	24.1	20.6	16.9	13.7	12.4	11.5	16.5	25.2	7.6
7	10.6	9.0	9.3	8.2	7.6	7.1	7.5	10.2	14.8	19.0	20.9	22.6	23.6	24.3	24.8	25.0	24.8	24.8	23.6	20.1	17.5	14.7	12.9	12.0	16.5	25.0	7.1
8	10.5	9.7	8.7	8.9	7.7	7.5	8.6	12.2	16.4	20.2	21.2	22.3	21.9	20.8	18.4	18.1	17.7	18.3	19.5	17.9	17.1	15.3	13.5	12.7	15.2	22.3	7.5
9	12.5	11.8	10.8	8.9	7.4	6.4	7.0	10.2	13.6	16.4	18.1	19.0	20.1	20.6	20.8	21.3	21.6	21.8	21.3	17.3	15.5	15.3	16.0	16.5	15.4	21.8	6.4
10	16.2	15.2	14.1	13.2	11.6	9.8	10.2	14.5	17.2	19.0	20.5	21.8	22.8	23.6	24.2	24.8	24.9	24.6	22.5	20.3	17.1	15.3	14.6	11.5	17.9	24.9	9.8
11	11.0	9.5	9.1	8.6	6.7	7.3	7.6	11.5	16.2	20.6	23.5	24.5	25.4	26.0	26.6	26.9	27.2	27.2	26.1	21.6	19.1	16.8	16.5	15.9	18.0	27.2	6.7
12	15.4	13.8	11.6	10.5	9.7	9.3	10.4	13.8	20.0	24.5	26.0	27.3	28.3	28.7	28.8	27.0	21.8	21.7	21.0	19.7	18.4	18.4	16.3	15.8	19.1	28.8	9.3
13	17.3	15.6	13.9	13.1	13.6	12.8	11.8	13.4	18.0	19.8	20.9	22.1	23.3	24.1	25.3	25.4	25.9	25.5	23.5	20.6	19.9	20.5	20.1	18.6	19.4	25.9	11.8
14	16.5	14.6	14.4	13.0	12.5	11.8	11.9	13.6	15.3	17.1	18.0	18.6	19.3	19.5	20.6	22.2	23.2	23.4	21.2	19.7	18.7	15.9	13.9	12.5	17.0	23.4	11.8
15	11.9	10.5	10.8	10.3	10.0	8.8	8.8	11.7	15.9	18.9	21.0	22.2	23.8	22.6	16.1	17.6	19.0	19.5	19.2	16.7	14.4	13.6	12.5	11.8	15.3	23.8	8.8
16	11.1	9.8	8.7	7.8	7.4	7.3	7.3	9.0	12.4	14.4	15.6	17.2	17.8	19.0	19.3	19.7	19.8	19.4	18.5	17.1	15.3	11.7	9.7	8.4	13.5	19.8	7.3
17	7.5	6.8	5.5	4.7	4.9	4.5	4.4	6.7	12.3	15.8	17.6	18.4	19.3	19.7	20.1	19.9	20.2	20.2	19.3	17.5	15.5	13.9	12.2	10.0	13.2	20.2	4.4
18	8.9	7.7	6.8	6.1	5.8	4.6	5.1	9.3	14.5	18.0	19.7	20.6	21.7	22.8	23.6	24.1	24.0	23.1	22.5	18.3	13.7	12.3	10.4	7.8	14.6	24.1	4.6
19	6.4	5.5	5.2	4.9	4.0	4.1	4.8	9.1	15.0	19.5	20.7	21.8	23.4	23.8	24.1	23.4	22.9	19.3	17.0	16.3	13.4	13.6	12.9	11.5	14.3	24.1	4.0
20	11.0	10.3	8.9	7.8	8.2	7.8	8.2	9.9	13.4	15.0	16.7	18.4	19.4	20.0	20.4	16.9	12.9	13.1	12.9	11.8	10.0	9.8	9.9	9.6	12.6	20.4	7.8
21	10.3	10.4	10.0	9.6	9.0	8.8	8.9	9.9	10.6	12.1	13.2	13.4	13.1	13.3	14.4	14.3	13.9	13.6	13.0	11.7	11.0	9.4	9.6	9.4	11.4	14.4	8.8
22	9.0	9.1	8.8	8.8	8.8	8.8	8.8	9.2	10.0	10.6	11.2	11.0	11.7	12.0	13.1	12.9	12.5	11.6	10.8	10.0	9.6	9.9	9.5	9.6	10.3	13.1	8.8
23	9.2	8.2	7.6	7.0	6.7	6.3	6.2	6.3	6.4	6.6	7.0	8.1	8.6	8.3	7.9	7.4	7.2	6.9	6.2	5.6	5.3	4.8	4.3	4.0	6.8	9.2	4.0
24	3.9	3.7	3.5	3.6	3.8	3.8	3.9	4.3	4.6	5.0	5.4	5.8	6.4	6.3	6.5	6.2	6.0	6.2	5.8	5.5	5.2	5.1	5.0	4.9	5.0	6.5	3.5
25	4.5	3.8	3.5	3.8	3.8	3.9	4.3	5.3	6.9	8.4	9.9	10.8	11.9	12.9	13.5	14.3	14.4	14.6	14.1	10.9	9.6	7.8	6.5	5.3	8.5	14.6	3.5
26	4.5	3.4	3.2	2.8	1.9	1.1	1.7	4.8	9.8	13.8	15.0	15.9	16.9	17.9	18.6	19.0	18.8	19.0	18.2	13.5	10.6	9.0	8.3	6.9	10.6	19.0	1.1
27	6.0	4.6	3.9	3.4	2.9	2.5	2.5	6.3	11.8	16.5	17.5	18.3	19.4	20.3	21.1	21.7	21.7	21.4	19.7	15.1	12.6	10.9	9.4	8.2	12.4	21.7	2.5
28	7.0	6.3	5.2	4.8	4.5	3.8	4.3	7.7	13.4	18.3	19.7	20.5	21.5	22.6	22.9	23.0	23.4	22.8	21.5	19.4	19.1	19.3	16.2	12.2	15.0	23.4	3.8
29	10.3	9.3	7.0	6.0	4.6	3.2	2.7	6.4	11.3	14.8	16.4	17.6	18.9	19.9	20.7	20.9	21.3	21.5	19.8	14.2	11.8	10.3	9.5	12.8	13.0	21.5	2.7
30	13.4	12.2	10.7	9.6	9.0	9.5	9.5	9.9	10.8	12.2	13.7	14.5	15.0	15.1	14.8	13.3	11.3	11.6	11.1	8.9	8.0	7.3	6.4	5.7	11.0	15.1	5.7
31	4.3	3.7	3.0	2.9	3.2	3.2	2.6	3.9	8.6	11.0	11.7	12.2	12.2	13.4	13.4	13.1	12.7	12.6	11.5	9.7	7.5	4.4	3.1	1.4	7.7	13.4	1.4
Avg	10.2	9.2	8.4	7.8	7.2	6.8	7.2	9.7	13.3	16.2	17.7	18.7	19.4	19.8	19.9	19.6	19.3	19.1	18.2	15.9	13.9	12.7	11.7	10.6	13.9	20.9	6.4
Max	17.3	15.6	14.4	13.2	13.6	12.8	11.9	14.5	20.0	24.5	26.0	27.3	28.3	28.7	28.8	27.0	27.2	27.2	26.1	21.6	19.9	20.5	20.1	18.6	19.4	28.8	11.8
Min	3.9	3.4	3.0	2.8	1.9	1.1	1.7	3.9	4.6	5.0	5.4	5.8	6.4	6.3	6.5	6.2	6.0	6.2	5.8	5.5	5.2	4.4	3.1	1.4	5.0	6.5	1.1

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
September 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	1.2	0.5	0.1	0.0	-0.1	0.2	0.0	3.0	7.5	9.9	11.1	11.9	12.4	13.0	13.7	14.5	14.7	14.6	13.7	11.2	7.2	4.7	2.8	2.0	7.1	14.7	-0.1
2	1.4	0.5	0.0	0.1	0.2	0.6	0.5	3.1	8.3	13.3	14.3	15.3	16.6	17.5	18.3	19.1	19.4	19.6	17.4	12.3	10.1	8.2	6.6	6.2	9.5	19.6	0.0
3	4.6	3.9	2.9	2.9	2.9	3.1	4.2	7.1	12.0	13.7	12.9	11.3	12.0	13.0	12.8	12.7	12.5	11.8	10.4	8.8	7.9	6.4	5.2	4.7	8.3	13.7	2.9
4	4.6	4.1	4.1	4.2	4.3	4.3	4.4	5.0	5.8	7.2	7.9	9.1	9.7	10.2	11.0	11.8	11.9	12.3	10.9	6.0	4.1	1.4	0.8	1.0	6.5	12.3	0.8
5	0.3	-0.6	-1.8	-2.3	-2.3	-2.6	-2.5	0.4	6.1	10.7	12.5	13.2	14.0	14.8	15.4	15.9	16.2	16.0	13.8	8.0	6.0	4.4	2.6	0.8	6.6	16.2	-2.6
6	0.2	-0.5	-1.0	-1.9	-2.2	-2.5	-2.7	0.8	7.2	13.2	15.7	16.5	17.4	18.4	19.3	20.1	20.0	19.7	16.1	9.7	7.4	4.3	3.5	2.9	8.4	20.1	-2.7
7	1.8	1.5	0.5	0.3	-0.4	-0.5	-0.6	2.9	9.4	15.6	18.4	19.3	20.1	20.7	21.2	21.3	21.6	21.2	19.3	13.1	9.0	6.7	5.1	4.1	10.5	21.6	-0.6
8	3.0	1.9	1.2	0.9	0.3	0.1	-0.1	3.2	9.6	15.9	18.6	19.6	20.5	21.3	21.8	22.1	22.0	20.8	17.2	14.0	10.8	7.9	5.3	4.1	10.9	22.1	-0.1
9	3.1	2.8	1.8	1.4	0.6	0.0	-0.3	0.1	2.1	3.5	4.8	6.2	7.0	6.9	7.0	7.0	4.9	3.9	2.8	3.5	3.3	2.7	2.0	1.8	3.3	7.0	-0.3
10	1.0	0.6	0.4	0.2	0.1	0.3	0.7	1.0	1.2	1.0	1.6	3.1	4.0	3.3	3.7	4.4	3.2	2.5	1.7	0.6	0.2	0.0	-0.2	-0.2	1.4	4.4	-0.2
11	-0.4	-0.8	-1.2	-1.3	-1.7	-1.8	-1.8	-1.4	-0.3	0.2	-0.1	0.4	0.7	1.1	1.5	2.0	2.4	2.2	1.3	-0.1	-0.9	-2.0	-2.9	-4.0	-0.4	2.4	-4.0
12	-4.6	-5.9	-6.4	-6.9	-7.1	-7.8	-7.5	-4.2	0.8	3.6	6.0	8.0	9.9	11.6	12.3	12.4	12.9	12.8	9.6	6.1	5.2	4.8	3.8	2.9	3.0	12.9	-7.8
13	1.9	0.9	-0.1	0.1	-0.8	-1.9	-1.2	0.0	2.5	3.5	4.5	6.2	8.1	9.0	9.8	10.8	11.6	10.8	7.6	6.3	5.6	4.7	4.1	3.7	4.5	11.6	-1.9
14	3.2	2.7	1.1	-0.4	-1.9	-2.7	-3.8	-1.6	3.4	8.3	11.0	12.4	13.4	14.1	14.5	14.7	14.8	14.5	11.4	7.8	5.4	3.7	5.2	5.5	6.5	14.8	-3.8
15	5.6	4.7	3.8	2.3	0.6	-0.1	-1.1	0.6	5.9	11.4	14.5	16.3	17.4	18.8	19.8	20.4	20.7	20.2	15.9	9.7	7.2	6.2	4.8	2.9	9.5	20.7	-1.1
16	2.3	1.8	1.4	1.0	1.0	1.5	2.4	4.2	9.1	15.6	19.2	21.0	21.1	21.3	21.3	21.5	20.9	19.7	15.9	14.3	12.1	11.3	11.0	8.6	11.6	21.5	1.0
17	8.5	9.9	9.9	9.3	8.9	8.1	6.1	7.6	11.9	17.1	20.3	21.8	22.6	23.3	23.3	23.2	22.7	21.0	19.0	16.5	14.7	13.2	11.8	9.8	15.0	23.3	6.1
18	8.6	8.0	8.4	8.3	6.9	6.9	7.1	10.5	12.9	14.2	16.7	17.2	17.4	17.9	18.3	18.6	18.6	17.9	15.5	12.7	11.8	11.8	11.3	9.0	12.8	18.6	6.9
19	8.3	6.8	5.7	5.3	5.3	7.7	9.3	11.7	12.7	13.1	14.3	15.7	16.4	16.9	16.8	16.5	16.4	16.1	15.0	14.0	12.9	12.5	9.9	6.8	11.9	16.9	5.3
20	4.5	2.8	2.9	1.5	0.0	0.2	-0.1	1.3	6.9	12.5	14.7	16.2	17.4	18.2	19.1	19.8	20.1	19.2	15.7	12.9	10.0	8.7	7.0	6.1	9.9	20.1	-0.1
21	4.8	4.4	4.0	3.6	3.1	2.8	1.5	4.0	10.0	15.2	16.3	17.8	18.8	19.7	20.7	20.4	18.8	17.4	16.1	15.2	14.7	12.9	13.3	10.9	11.9	20.7	1.5
22	8.1	7.3	6.1	5.7	4.4	4.6	5.3	7.8	13.2	17.0	18.7	19.3	19.2	19.4	19.4	19.3	18.5	16.9	15.5	13.4	11.8	10.6	9.3	7.4	12.4	19.4	4.4
23	6.3	5.6	4.5	3.6	2.9	2.8	2.2	3.8	9.3	15.2	17.8	19.1	20.2	20.9	21.1	21.3	18.2	13.7	12.2	10.3	9.0	9.0	8.7	7.5	11.0	21.3	2.2
24	7.2	6.5	6.6	6.7	6.4	5.9	5.8	6.4	10.1	18.2	21.8	22.5	24.3	25.2	25.7	26.0	26.0	25.1	22.5	18.5	16.3	15.3	13.8	11.5	15.6	26.0	5.8
25	11.1	10.3	9.9	9.0	7.2	5.9	4.9	7.1	13.8	21.4	24.6	25.7	26.1	26.4	26.7	27.1	27.0	25.9	21.0	17.8	16.8	16.5	14.6	12.9	17.1	27.1	4.9
26	11.6	12.5	13.8	12.9	11.9	9.3	7.7	10.0	14.7	17.1	17.8	16.5	16.4	16.7	17.5	17.9	17.4	15.8	12.4	10.6	10.8	11.1	11.8	11.2	13.6	17.9	7.7
27	9.1	8.5	8.9	8.6	8.6	8.6	8.8	9.1	9.5	9.6	9.5	8.7	7.8	7.6	7.4	7.2	7.3	7.7	7.4	7.3	7.2	7.1	6.8	6.2	8.1	9.6	6.2
28	6.2	6.2	6.7	6.2	6.2	6.3	6.2	6.5	6.7	6.3	7.2	8.0	8.4	7.3	6.5	7.0	7.9	7.5	6.8	7.0	6.9	6.8	6.6	6.7	6.8	8.4	6.2
29	6.3	6.2	6.2	6.0	5.9	5.7	5.3	5.8	6.7	7.5	8.7	9.4	9.6	11.0	12.4	11.9	11.7	10.9	9.3	8.4	6.2	6.5	8.3	8.7	8.1	12.4	5.3
30	8.4	7.8	7.4	7.7	7.5	7.3	6.9	7.4	7.9	8.1	8.2	8.3	8.2	8.7	9.8	9.7	9.4	8.4	6.5	5.6	4.5	3.9	2.7	2.6	7.2	9.8	2.6
Avg	4.6	4.0	3.6	3.2	2.6	2.4	2.3	4.1	7.9	11.3	13.0	13.9	14.6	15.1	15.6	15.9	15.7	14.9	12.7	10.1	8.5	7.4	6.5	5.5	9.0	16.2	1.5
Max	11.6	12.5	13.8	12.9	11.9	9.3	9.3	11.7	14.7	21.4	24.6	25.7	26.1	26.4	26.7	27.1	27.0	25.9	22.5	18.5	16.8	16.5	14.6	12.9	17.1	27.1	7.7
Min	-4.6	-5.9	-6.4	-6.9	-7.1	-7.8	-7.5	-4.2	-0.3	0.2	-0.1	0.4	0.7	1.1	1.5	2.0	2.4	2.2	1.3	-0.1	-0.9	-2.0	-2.9	-4.0	-0.4	2.4	-7.8

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
July 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
3	ND	ND	ND	ND	ND	ND	ND	ND	ND	23.8	24.0	24.9	25.1	26.0	25.9	22.9	22.2	20.9	19.6	19.2	17.6	15.1	16.3	17.0	21.4	26.0	15.1
4	15.1	12.3	10.5	9.8	8.6	7.4	10.8	13.3	16.0	18.6	21.3	23.6	24.9	26.2	26.6	23.7	19.8	19.7	20.9	20.0	16.5	13.8	13.6	12.1	16.9	26.6	7.4
5	11.2	10.4	8.7	8.0	8.2	7.6	9.9	13.2	15.8	18.2	20.0	20.7	21.2	23.7	24.9	24.9	23.7	23.8	22.2	20.3	18.4	14.8	12.1	10.9	16.4	24.9	7.6
6	9.2	6.6	6.1	4.6	4.9	5.6	9.1	14.3	19.5	21.3	22.4	23.6	25.0	25.6	25.7	25.3	25.0	25.3	23.1	21.4	18.1	14.7	11.5	10.0	16.6	25.7	4.6
7	8.0	6.8	5.5	4.7	4.0	9.7	13.4	13.9	14.7	15.5	17.3	17.9	18.4	19.2	19.7	20.0	20.3	20.2	19.4	17.5	14.2	11.4	9.5	7.3	13.7	20.3	4.0
8	5.7	5.1	5.0	6.4	6.3	6.1	9.2	14.7	17.7	19.2	20.6	21.6	22.5	23.1	24.0	24.5	24.8	24.8	24.4	22.0	18.8	17.3	17.4	17.0	16.6	24.8	5.0
9	14.7	11.7	9.9	8.9	8.5	8.2	10.8	15.3	19.5	22.0	23.4	24.1	23.3	23.7	24.6	24.8	23.6	23.3	22.4	20.7	18.7	16.7	16.9	16.1	18.0	24.8	8.2
10	14.8	11.2	8.8	7.6	6.1	6.6	9.5	14.4	18.8	20.8	21.9	23.4	24.4	25.1	25.8	26.2	26.1	25.8	25.0	22.5	18.2	14.8	11.9	10.5	17.5	26.2	6.1
11	7.8	6.5	5.8	5.4	7.3	12.1	14.3	15.8	16.1	15.5	17.0	18.4	20.5	21.0	22.3	22.7	23.4	22.9	21.3	19.6	17.4	16.3	15.8	14.0	15.8	23.4	5.4
12	12.0	10.6	9.8	11.0	10.6	9.9	12.1	15.1	18.5	21.0	22.5	23.5	23.8	25.0	25.5	25.7	25.7	25.1	23.7	21.7	18.9	15.7	13.3	10.7	18.0	25.7	9.8
13	9.3	7.5	7.5	6.6	5.6	5.5	9.1	14.1	19.3	22.4	24.2	25.0	25.9	26.7	26.5	26.5	26.8	25.8	24.4	22.6	20.0	14.9	13.5	13.0	17.6	26.8	5.5
14	11.9	10.4	9.2	9.2	9.2	10.3	13.2	16.7	18.8	20.2	22.0	22.8	23.7	23.9	24.0	22.6	22.3	22.3	21.2	19.3	18.0	17.5	16.9	16.1	17.6	24.0	9.2
15	15.6	13.2	10.3	9.9	10.0	9.6	10.4	11.7	13.0	15.6	15.5	15.0	13.9	15.7	13.5	12.4	12.4	12.9	13.3	13.4	12.7	11.9	11.1	11.3	12.7	15.7	9.6
16	10.6	9.7	9.5	8.9	7.9	7.3	8.2	9.0	11.0	14.6	16.9	18.9	20.2	21.4	22.4	22.8	22.4	21.8	20.2	18.2	13.9	12.4	11.5	9.3	14.5	22.8	7.3
17	8.6	7.5	7.4	6.7	6.2	6.0	8.4	12.0	16.5	20.4	22.1	23.0	23.9	24.6	25.4	25.8	25.6	25.1	24.1	20.5	16.5	14.1	12.1	10.4	16.4	25.8	6.0
18	9.9	12.3	9.8	8.3	6.7	5.8	6.9	9.5	11.6	13.6	16.3	17.6	19.4	18.4	18.9	19.6	19.8	19.7	18.4	15.4	12.6	11.0	10.5	8.2	13.3	19.8	5.8
19	6.9	5.0	4.0	3.7	3.1	3.7	6.1	8.8	13.2	17.9	19.7	21.1	22.5	23.6	23.6	23.6	23.8	23.1	21.8	19.7	15.4	12.8	10.0	8.9	14.2	23.8	3.1
20	9.4	7.4	6.0	5.4	4.9	5.3	8.7	14.4	19.4	20.3	21.3	22.4	23.7	24.9	25.2	24.8	25.7	25.2	23.4	20.9	17.7	15.5	13.0	11.2	16.5	25.7	4.9
21	9.9	8.6	6.9	6.6	10.7	12.2	12.1	11.9	13.7	16.8	17.9	19.0	18.0	17.0	17.5	20.1	21.3	21.2	20.0	17.9	14.9	13.5	12.5	12.3	14.7	21.3	6.6
22	12.0	11.9	11.5	11.5	11.3	11.4	11.8	12.0	12.6	14.3	16.9	19.2	20.6	22.0	22.7	22.1	20.6	20.0	18.7	16.7	15.5	14.3	14.2	16.2	15.8	22.7	11.3
23	15.5	15.5	15.9	17.1	16.2	14.6	14.9	16.7	18.8	20.8	22.9	23.5	24.2	24.7	25.2	25.8	26.2	26.4	24.2	19.9	15.4	14.9	12.3	10.8	19.3	26.4	10.8
24	10.1	9.0	8.8	8.3	7.6	7.6	11.4	14.8	17.7	19.0	19.9	20.0	20.5	18.1	17.7	18.7	18.4	17.4	16.4	14.6	11.6	7.5	8.3	7.7	13.8	20.5	7.5
25	5.8	7.2	4.6	3.5	1.9	2.2	7.8	10.7	12.2	13.5	14.7	16.3	17.8	18.8	19.6	20.3	20.2	19.6	18.8	16.4	14.1	9.6	7.9	7.2	12.1	20.3	1.9
26	5.4	4.3	2.9	2.4	0.8	0.3	3.4	9.1	14.2	15.9	17.2	18.4	19.4	20.3	21.2	21.6	21.8	21.4	20.1	17.0	13.0	9.9	6.9	4.8	12.2	21.8	0.3
27	4.0	3.9	2.6	1.8	1.9	2.3	5.2	11.1	16.1	19.0	20.3	21.5	22.8	23.6	24.7	25.3	25.5	25.2	24.3	18.1	15.0	12.4	14.4	18.1	15.0	25.5	1.8
28	17.6	16.2	13.1	10.2	8.0	7.2	9.3	14.2	17.5	21.9	24.1	25.3	26.8	27.3	26.6	25.6	25.1	24.6	23.4	20.0	17.0	15.0	13.6	14.8	18.5	27.3	7.2
29	18.0	18.5	15.4	15.2	15.0	12.2	14.8	18.4	18.2	20.1	22.4	24.0	25.3	24.3	17.2	16.5	16.7	18.6	19.2	16.0	13.6	11.9	10.5	8.2	17.1	25.3	8.2
30	7.0	7.8	6.9	6.8	6.0	5.9	9.2	13.7	18.9	22.6	23.6	24.3	25.0	25.8	26.7	25.1	23.6	24.1	24.6	18.9	15.8	15.2	13.0	11.5	16.8	26.7	5.9
31	9.2	7.1	6.2	5.2	4.5	3.6	7.5	12.7	17.9	22.1	24.0	25.2	26.3	27.1	27.4	26.3	25.7	24.6	20.9	16.6	14.0	12.4	11.8	8.4	16.1	27.4	3.6
Avg	10.5	9.4	8.2	7.6	7.2	7.4	9.9	13.3	16.3	18.9	20.4	21.5	22.4	23.0	23.1	23.0	22.7	22.4	21.4	18.9	16.0	13.7	12.5	11.5	16.0	24.1	6.5
Max	18.0	18.5	15.9	17.1	16.2	14.6	14.9	18.4	19.5	23.8	24.2	25.3	26.8	27.3	27.4	26.5	26.8	26.4	25.0	22.6	20.0	17.5	17.4	18.1	21.4	27.4	15.1
Min	4.0	3.9	2.6	1.8	0.8	0.3	3.4	8.8	11.0	13.5	14.7	15.0	13.9	15.7	13.5	12.4	12.4	12.9	13.3	13.4	11.6	7.5	6.9	4.8	12.1	15.7	0.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
August 2014

Day	<< Hour >>																										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	6.8	6.3	5.2	5.0	4.8	4.3	7.7	13.4	16.8	21.2	24.3	25.7	24.2	22.1	22.2	24.6	25.9	24.4	23.1	20.0	17.4	16.9	18.0	15.7	16.5	25.9	4.3
2	14.3	11.9	11.3	8.6	7.4	6.3	8.5	12.6	19.1	22.4	24.0	24.8	24.5	24.7	24.8	23.4	21.8	20.2	20.4	18.1	13.8	12.1	11.4	8.7	16.5	24.8	6.3
3	7.8	7.7	7.1	5.9	6.3	6.3	9.8	11.5	15.2	19.3	21.2	23.3	24.1	24.6	24.6	24.8	25.5	24.1	21.9	20.3	16.5	14.5	12.7	13.0	16.2	25.5	5.9
4	11.0	9.2	8.5	6.7	6.2	5.8	7.0	10.5	15.1	19.5	22.1	23.6	23.6	23.3	19.6	13.5	12.6	12.1	12.3	12.9	12.4	12.0	11.6	11.7	13.4	23.6	5.8
5	11.8	12.0	11.5	11.1	10.5	10.5	11.2	12.8	15.0	16.8	18.2	19.3	19.6	20.8	21.2	20.1	21.3	21.6	20.1	18.3	16.0	13.7	12.2	11.4	15.7	21.6	10.5
6	8.9	9.6	8.9	8.3	7.1	6.7	8.1	11.5	15.4	19.4	21.6	22.9	23.6	24.1	24.7	24.7	25.7	25.4	23.7	19.5	16.0	13.0	11.6	11.1	16.3	25.7	6.7
7	10.2	8.0	8.9	7.4	6.7	6.1	7.2	10.4	15.0	19.5	21.7	23.4	24.3	25.0	25.3	25.6	25.1	24.6	23.3	19.8	16.9	14.2	12.3	11.5	16.4	25.6	6.1
8	9.5	8.9	7.8	7.7	6.5	6.7	8.6	12.5	16.8	20.8	21.9	23.2	22.2	21.0	18.7	18.5	18.0	18.5	19.0	17.7	16.7	14.2	13.0	12.6	15.0	23.2	6.5
9	12.1	11.4	10.3	8.2	6.7	5.4	7.0	10.6	14.1	17.0	18.9	19.9	21.1	21.5	21.6	22.0	22.1	22.1	21.4	16.7	15.1	14.8	15.5	15.8	15.5	22.1	5.4
10	15.7	14.7	13.3	12.1	10.3	7.7	9.5	14.8	17.7	19.6	21.1	22.5	23.7	24.4	25.0	25.4	25.1	24.6	21.7	19.4	16.5	14.4	13.3	9.9	17.6	25.4	7.7
11	9.9	8.3	8.1	6.9	5.6	6.1	7.3	11.8	16.5	21.0	24.1	25.1	26.0	26.7	27.3	27.4	27.6	27.3	25.5	20.9	18.6	16.3	15.8	13.3	17.6	27.6	5.6
12	13.5	11.3	10.3	9.1	8.1	8.1	9.8	14.0	20.3	25.1	26.9	28.3	29.3	29.4	29.0	26.6	21.6	21.8	20.8	19.6	18.2	17.8	15.7	15.6	18.8	29.4	8.1
13	16.9	14.9	13.7	12.9	13.2	12.1	11.1	13.5	18.5	20.3	21.6	22.8	24.1	24.9	26.0	25.9	26.3	25.5	23.1	20.4	19.4	19.9	19.6	17.4	19.3	26.3	11.1
14	15.3	13.4	13.4	12.8	12.3	11.5	11.8	13.8	15.5	17.4	18.5	19.1	19.7	20.0	21.3	22.9	23.9	23.9	20.8	19.3	18.2	15.3	13.7	12.2	16.9	23.9	11.5
15	11.5	9.4	9.9	9.9	9.0	7.9	8.5	12.1	16.5	19.4	21.7	23.0	24.8	23.6	16.7	18.0	19.3	19.7	19.0	16.1	14.3	13.2	12.3	11.8	15.3	24.8	7.9
16	10.9	9.5	8.6	7.5	7.5	7.4	7.5	9.3	12.7	14.9	16.3	17.8	18.9	20.1	20.1	20.6	20.5	19.8	18.4	15.9	13.3	10.6	8.6	7.5	13.5	20.6	7.4
17	7.0	6.5	4.8	4.0	4.2	3.8	4.2	7.0	12.6	16.5	18.7	19.2	20.4	20.6	20.7	20.4	20.4	20.3	18.5	16.7	14.5	12.6	10.7	8.9	13.0	20.7	3.8
18	8.0	6.8	5.4	5.1	4.9	3.7	4.7	9.6	15.0	18.5	20.6	21.5	22.7	23.9	24.4	25.0	24.4	22.8	22.1	17.2	13.5	11.7	9.5	6.6	14.5	25.0	3.7
19	4.3	4.3	3.7	3.2	2.3	2.8	4.4	9.4	15.4	20.2	21.6	22.8	24.6	24.9	25.0	23.4	22.9	19.0	16.7	16.1	13.1	13.2	12.5	11.3	14.0	25.0	2.3
20	10.6	9.9	8.4	7.4	8.2	7.4	8.3	10.1	13.8	15.2	17.4	19.2	20.2	20.3	21.1	17.0	12.9	13.3	12.9	11.3	9.7	9.8	9.6	9.1	12.6	21.1	7.4
21	10.1	10.3	9.8	9.5	8.8	8.8	9.1	10.3	11.0	12.6	14.0	14.3	13.7	14.0	15.2	14.8	14.2	13.8	12.9	11.4	10.5	9.2	9.6	9.4	11.6	15.2	8.8
22	9.0	9.1	8.8	8.9	8.8	8.9	8.9	9.3	10.2	11.1	11.6	11.3	12.2	12.6	13.9	13.2	12.9	11.6	10.7	10.0	9.6	9.7	9.5	9.5	10.5	13.9	8.8
23	9.1	8.3	7.6	7.0	6.8	6.4	6.3	6.4	6.6	6.7	7.1	8.2	8.8	8.4	8.0	7.6	7.4	7.0	6.2	5.6	5.2	4.8	4.3	4.0	6.8	9.1	4.0
24	3.8	3.6	3.5	3.6	3.7	3.7	3.9	4.3	4.7	5.4	5.9	6.5	7.1	6.9	7.2	6.6	6.3	6.7	6.0	5.6	5.2	5.2	5.1	4.8	5.2	7.2	3.5
25	4.2	3.4	3.5	3.9	3.9	3.9	4.5	5.5	7.4	9.2	10.6	11.7	12.7	13.7	14.3	15.1	14.8	15.0	14.1	10.1	8.7	7.5	6.2	4.7	8.7	15.1	3.4
26	4.3	2.7	2.5	2.1	0.8	0.0	1.1	5.1	10.2	14.4	16.0	16.9	17.8	18.9	19.6	19.8	19.0	19.2	17.4	12.9	10.5	8.9	8.1	6.5	10.6	19.8	0.0
27	5.3	3.4	2.9	2.1	1.7	1.1	1.7	6.5	12.3	17.2	18.5	19.3	20.4	21.3	22.0	22.5	22.3	21.5	19.3	14.7	12.5	10.6	8.9	7.2	12.3	22.5	1.1
28	5.6	5.2	4.1	3.5	3.3	2.7	3.7	8.1	13.8	18.9	20.6	21.3	22.2	23.5	23.8	23.5	23.8	22.5	20.6	17.8	18.0	18.8	15.4	12.0	14.7	23.8	2.7
29	10.4	8.8	6.2	5.4	3.8	2.3	2.5	6.7	11.7	15.5	17.1	18.6	20.0	20.9	21.6	21.5	22.0	21.7	19.4	13.9	11.4	8.8	7.7	11.2	12.9	22.0	2.3
30	13.2	11.8	10.2	9.5	8.9	9.4	9.5	9.9	11.0	12.5	14.2	15.2	15.6	15.3	15.0	13.4	11.4	11.9	10.8	8.6	7.8	7.2	6.2	5.5	11.0	15.6	5.5
31	3.8	3.4	2.9	2.9	3.1	2.6	2.2	4.1	9.0	11.5	12.4	12.6	12.6	14.2	13.7	13.5	12.6	12.4	10.9	8.6	6.4	4.0	2.8	0.9	7.6	14.2	0.9
Avg	9.5	8.5	7.8	7.0	6.5	6.0	7.0	9.9	13.7	16.7	18.4	19.5	20.2	20.5	20.4	20.0	19.7	19.2	17.8	15.3	13.4	12.1	11.1	10.0	13.8	21.5	5.6
Max	16.9	14.9	13.7	12.9	13.2	12.1	11.8	14.8	20.3	25.1	26.9	28.3	29.3	29.4	29.0	27.4	27.6	27.3	25.5	20.9	19.4	19.9	19.6	17.4	19.3	29.4	11.5
Min	3.8	2.7	2.5	2.1	0.8	0.0	1.1	4.1	4.7	5.4	5.9	6.5	7.1	6.9	7.2	6.6	6.3	6.7	6.0	5.6	5.2	4.0	2.8	0.9	5.2	7.2	0.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
September 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.3	0.2	-0.4	-0.5	-0.6	-0.1	-0.2	3.3	8.0	10.9	12.2	12.8	13.1	13.9	14.6	15.4	15.3	14.9	13.2	10.0	5.9	4.2	2.1	1.1	7.1	15.4	-0.6
2	0.6	-0.5	-1.0	-0.5	-0.4	-0.2	-0.1	3.3	8.6	14.1	15.2	16.4	17.8	18.6	19.3	19.9	20.0	19.8	16.4	11.7	9.7	7.9	6.0	5.2	9.5	20.0	-1.0
3	3.3	1.9	1.9	1.8	1.8	2.2	3.5	7.3	12.6	14.3	13.4	11.8	13.0	14.1	13.7	13.4	13.2	12.1	10.2	8.5	7.5	6.1	5.0	4.5	8.2	14.3	1.8
4	4.5	4.1	4.1	4.2	4.3	4.3	4.5	5.2	6.2	7.7	8.6	9.8	10.3	10.6	11.7	12.4	12.3	12.7	10.4	5.4	3.9	0.5	-0.3	0.3	6.6	12.7	-0.3
5	-0.3	-2.1	-3.1	-4.0	-3.5	-4.3	-3.5	0.6	6.5	11.2	13.4	14.1	15.0	15.7	16.4	16.6	16.8	16.3	12.8	7.6	5.6	4.1	1.4	-0.9	6.3	16.8	-4.3
6	-1.5	-2.1	-2.5	-3.0	-3.5	-4.1	-3.4	1.2	7.6	13.8	16.5	17.5	18.2	19.3	20.1	20.8	20.6	19.9	15.4	9.4	7.0	2.7	1.7	1.6	8.0	20.8	-4.1
7	0.3	-0.2	-0.9	-1.2	-2.0	-2.5	-1.6	3.0	9.8	16.0	19.2	20.3	21.2	21.7	22.0	22.0	21.9	20.9	17.6	11.9	8.5	6.0	4.0	2.5	10.0	22.0	-2.5
8	1.2	0.0	-0.5	-1.1	-1.5	-1.7	-1.9	3.4	10.0	16.3	19.4	20.6	21.6	22.4	22.7	22.7	22.2	20.5	15.8	12.3	9.8	7.5	5.0	3.9	10.4	22.7	-1.9
9	3.3	3.0	2.0	1.6	0.7	0.1	-0.1	0.5	2.5	4.2	5.8	7.3	8.1	7.9	8.2	8.1	5.6	4.3	3.1	3.6	3.5	2.9	2.2	2.0	3.8	8.2	-0.1
10	1.1	0.5	0.5	0.2	0.1	0.3	0.7	1.1	1.4	1.1	1.9	3.4	4.3	3.6	4.2	4.8	3.5	2.6	1.7	0.7	0.3	0.1	0.0	-0.1	1.6	4.8	-0.1
11	-0.3	-0.6	-1.1	-1.2	-1.6	-1.8	-1.8	-1.2	0.2	0.6	0.6	1.3	1.4	1.6	2.1	2.6	2.8	2.5	1.2	-0.7	-1.4	-2.6	-3.9	-5.4	-0.3	2.8	-5.4
12	-6.3	-7.5	-7.8	-8.3	-8.6	-9.0	-8.6	-4.3	0.8	4.0	6.7	8.8	10.7	12.5	13.3	12.9	13.4	13.0	8.9	5.9	4.1	3.5	1.8	1.5	2.6	13.4	-9.0
13	0.7	-1.1	-1.5	-0.6	-1.6	-3.2	-1.7	0.3	3.3	4.3	5.2	6.9	8.7	9.6	10.3	11.3	12.1	11.0	7.1	5.8	4.7	3.9	3.3	2.9	4.2	12.1	-3.2
14	2.9	2.2	0.5	-1.4	-2.6	-4.5	-4.5	-1.4	3.8	8.9	12.1	13.5	14.6	15.3	15.6	15.7	15.4	14.6	10.6	6.6	4.2	2.6	4.1	4.0	6.4	15.7	-4.5
15	4.8	3.9	2.6	1.1	-0.9	-2.1	-2.4	0.7	6.3	12.1	15.1	17.2	18.5	19.9	20.7	21.1	21.1	19.9	14.9	9.4	6.7	5.7	3.9	1.1	9.2	21.1	-2.4
16	0.4	0.2	-0.2	-0.2	-0.6	0.6	1.2	4.1	9.5	16.0	19.6	21.6	21.7	21.7	21.6	21.8	20.8	19.0	15.3	14.0	11.2	10.9	10.4	7.6	11.2	21.8	-0.6
17	8.0	9.6	9.6	8.7	8.5	7.3	4.5	7.4	12.1	17.5	21.0	22.5	23.5	24.1	23.7	23.2	22.5	20.5	18.3	15.9	14.4	12.9	11.1	8.4	14.8	24.1	4.5
18	6.9	7.0	7.7	7.5	5.4	5.8	6.2	9.7	12.7	14.3	17.2	17.6	17.8	18.3	19.0	19.1	18.8	17.7	14.5	11.5	11.4	11.4	10.5	8.2	12.3	19.1	5.4
19	7.4	6.1	4.9	4.6	4.4	6.2	7.4	11.2	12.7	13.3	15.0	16.7	17.5	17.8	17.3	16.6	16.5	16.0	14.6	13.5	11.9	11.7	8.3	5.8	11.6	17.8	4.4
20	3.6	1.9	2.3	0.2	-1.1	-0.8	-1.2	1.2	7.4	13.0	15.3	17.1	18.3	19.0	19.9	20.4	20.6	19.1	15.1	12.2	9.3	8.4	5.8	4.9	9.7	20.6	-1.2
21	3.3	2.7	2.6	2.5	1.6	1.8	0.6	3.7	10.4	16.0	17.5	19.1	20.2	21.0	21.6	21.1	19.1	17.4	15.6	14.3	13.5	11.3	10.9	8.4	11.5	21.6	0.6
22	6.2	6.1	5.0	4.8	3.1	3.5	4.1	7.4	13.6	17.5	19.6	20.3	20.0	19.9	19.8	19.6	18.6	16.7	15.0	12.9	11.3	9.9	8.8	5.9	12.1	20.3	3.1
23	5.5	4.2	3.3	2.1	1.4	1.4	0.9	3.5	9.4	15.7	18.8	20.0	21.3	22.0	21.9	21.7	17.9	13.5	12.0	9.5	8.6	8.2	8.0	6.5	10.7	22.0	0.9
24	6.2	5.5	5.3	5.5	5.3	4.4	4.1	6.1	10.2	18.6	22.6	23.5	25.2	26.2	26.7	26.7	26.3	24.5	21.3	17.0	14.4	12.2	10.7	9.3	14.9	26.7	4.1
25	8.6	7.9	8.4	7.7	5.3	3.9	3.1	6.8	14.1	22.0	25.4	26.8	27.2	27.5	27.6	27.7	27.2	25.2	18.9	16.0	15.2	14.1	12.9	11.3	16.3	27.7	3.1
26	10.1	9.9	10.8	9.9	9.7	7.3	6.2	9.6	15.1	17.8	18.8	16.9	17.2	17.6	18.6	18.8	18.0	15.5	11.6	9.6	10.0	9.3	11.4	11.0	12.9	18.8	6.2
27	9.0	8.5	8.9	8.6	8.6	8.7	8.7	9.0	9.5	9.7	9.6	8.8	8.0	7.8	7.4	7.4	7.4	7.7	7.4	7.3	7.2	7.1	6.9	6.2	8.1	9.7	6.2
28	6.2	6.2	6.7	6.3	6.3	6.4	6.2	6.6	6.8	6.4	7.3	8.2	8.7	7.5	6.8	7.3	8.0	7.5	6.8	6.9	6.8	6.7	6.6	6.7	6.9	8.7	6.2
29	6.3	6.2	6.2	6.0	5.9	5.7	5.2	5.7	7.0	8.3	9.6	10.3	10.3	11.5	12.9	12.1	11.8	10.7	9.0	7.8	5.5	6.1	8.0	8.6	8.2	12.9	5.2
30	8.3	7.6	7.2	7.6	7.5	7.1	6.7	7.4	7.9	8.2	8.4	8.6	8.5	9.1	10.3	10.1	9.6	8.3	6.3	5.6	4.4	3.9	2.7	2.7	7.3	10.3	2.7
Avg	3.7	3.0	2.7	2.3	1.7	1.4	1.4	4.1	8.2	11.8	13.7	14.7	15.4	15.9	16.3	16.4	16.0	14.8	12.0	9.4	7.8	6.6	5.6	4.5	8.7	16.8	0.4
Max	10.1	9.9	10.8	9.9	9.7	8.7	8.7	11.2	15.1	22.0	25.4	26.8	27.2	27.5	27.6	27.7	27.2	25.2	21.3	17.0	15.2	14.1	12.9	11.3	16.3	27.7	6.2
Min	-6.3	-7.5	-7.8	-8.3	-8.6	-9.0	-8.6	-4.3	0.2	0.6	0.6	1.3	1.4	1.6	2.1	2.6	2.8	2.5	1.2	-0.7	-1.4	-2.6	-3.9	-5.4	-0.3	2.8	-9.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
July 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
3	ND	ND	ND	ND	ND	ND	ND	ND	ND	-1.54	-0.55	-0.70	-0.63	-0.68	-0.13	1.30	0.93	0.97	0.48	0.55	0.84	0.54	0.51	0.60	0.17	1.30	-1.54
4	0.50	0.38	0.36	0.31	0.57	0.55	-0.22	-0.30	-0.32	-0.30	-0.45	-0.65	-0.68	-0.71	-0.63	0.45	0.48	0.23	0.36	0.39	0.67	0.51	0.58	1.03	0.13	1.03	-0.71
5	1.25	0.85	1.09	1.12	0.77	0.61	-0.17	-0.26	-0.29	-0.18	-0.40	-0.38	-0.49	-0.52	-0.44	-0.31	0.11	0.02	0.63	1.18	0.97	1.17	1.42	0.23	0.33	1.42	-0.52
6	0.65	1.53	0.96	1.34	0.65	0.47	-0.27	-0.23	-0.43	-0.67	-0.70	-0.78	-0.79	-0.68	-0.53	-0.20	-0.15	-0.18	0.49	1.18	1.65	0.40	1.10	0.72	0.23	1.65	-0.79
7	1.24	1.57	1.44	1.54	1.65	1.23	-0.06	-0.21	-0.45	-0.38	-0.91	-0.81	-0.74	-0.70	-0.76	-0.76	-0.75	-0.56	-0.31	0.18	0.87	0.81	0.54	1.06	0.20	1.65	-0.91
8	1.23	1.13	1.07	0.61	0.52	0.54	-0.25	-0.43	-0.79	-0.98	-0.97	-0.98	-0.86	-0.73	-0.78	-0.68	-0.61	-0.46	-0.19	0.19	0.51	0.39	0.49	0.79	-0.05	1.23	-0.98
9	1.35	2.04	1.40	0.86	0.65	0.59	-0.20	-0.33	-0.40	-0.64	-0.70	-0.70	-0.24	-0.41	-0.60	-0.28	0.28	0.32	0.54	1.14	0.87	0.42	0.30	0.27	0.27	2.04	-0.70
10	0.64	1.43	1.19	1.17	1.07	0.49	-0.28	-0.37	-0.46	-0.68	-0.69	-0.90	-0.89	-0.79	-0.75	-0.67	-0.35	0.04	0.52	0.94	1.33	0.54	0.91	0.78	0.18	1.43	-0.90
11	1.42	1.66	1.38	1.41	1.21	0.62	-0.22	-0.53	-0.58	-0.68	-0.79	-0.83	-1.19	-1.09	-1.03	-0.73	-0.78	-0.29	-0.07	0.12	0.23	0.23	0.43	0.90	0.03	1.66	-1.19
12	1.26	1.74	1.20	0.50	0.54	0.33	-0.29	-0.35	-0.48	-0.58	-0.64	-0.76	-0.67	-0.90	-0.86	-0.74	-0.59	-0.27	0.22	0.71	0.54	0.70	0.43	1.02	0.09	1.74	-0.90
13	1.22	1.28	1.01	1.22	1.41	1.22	-0.04	-0.34	-0.43	-0.50	-0.73	-0.82	-0.91	-0.94	-0.66	-0.53	-0.64	-0.26	0.21	0.40	0.57	1.72	1.16	0.71	0.22	1.72	-0.94
14	0.98	1.32	1.62	1.40	0.93	0.80	-0.01	-0.43	-0.82	-1.09	-1.19	-1.15	-1.24	-0.96	-0.97	-0.36	-0.32	-0.39	-0.10	0.18	0.40	0.22	0.33	0.33	-0.02	1.62	-1.24
15	0.24	0.26	0.08	0.03	0.02	0.03	-0.14	-0.28	-0.37	-0.55	-0.39	-0.24	-0.45	-0.70	-0.11	-0.18	-0.18	-0.24	-0.18	-0.11	0.09	0.21	-0.01	-0.12	-0.14	0.26	-0.70
16	-0.15	-0.14	-0.14	-0.18	-0.16	-0.16	-0.22	-0.32	-0.29	-0.20	-0.75	-0.93	-0.83	-0.76	-0.64	-0.35	0.05	0.27	0.93	0.75	0.31	0.18	0.09	0.43	-0.13	0.93	-0.93
17	0.62	0.78	0.87	0.68	1.08	0.60	-0.14	-0.29	-0.29	-0.44	-0.60	-0.63	-0.62	-0.51	-0.52	-0.50	-0.21	0.16	0.60	1.37	1.05	0.44	0.49	0.70	0.20	1.37	-0.63
18	1.18	1.08	1.07	1.03	0.79	0.49	-0.04	-0.24	-0.27	-0.30	-0.31	-0.28	-0.41	0.34	-0.13	-0.07	0.02	0.28	0.80	1.10	0.43	0.20	0.25	0.62	0.32	1.18	-0.41
19	0.69	1.06	1.24	0.86	0.82	0.54	0.01	-0.23	-0.04	-0.34	-0.55	-0.69	-0.76	-0.78	-0.40	-0.28	-0.30	-0.02	0.36	1.06	1.92	0.99	1.39	1.45	0.33	1.92	-0.78
20	1.01	1.10	1.12	1.18	1.31	1.00	-0.25	-0.36	-0.36	-0.57	-0.76	-0.86	-0.92	-0.96	-0.82	-0.34	-0.44	-0.08	0.51	1.08	1.20	1.19	1.16	1.47	0.28	1.47	-0.96
21	1.48	1.28	1.48	1.45	0.73	0.60	0.26	-0.05	-0.28	-0.72	-0.43	-0.44	-0.09	0.01	-0.43	-0.96	-0.61	-0.38	0.17	0.69	0.72	0.35	0.35	0.21	0.22	1.48	-0.96
22	0.07	0.12	0.06	0.03	0.11	0.03	-0.06	0.00	-0.06	-0.25	-0.45	-0.69	-0.64	-0.64	-0.36	-0.03	0.44	0.20	-0.15	0.24	0.20	0.91	1.19	0.45	0.03	1.19	-0.69
23	0.98	1.10	0.86	0.49	0.98	0.49	0.02	-0.28	-0.42	-0.38	-0.77	-0.77	-0.82	-0.75	-0.54	-0.45	-0.33	-0.18	0.48	0.54	0.61	0.54	0.42	0.70	0.10	1.10	-0.82
24	0.66	0.75	1.46	0.92	1.42	0.97	-0.04	-0.24	-0.55	-0.78	-0.95	-0.83	-0.78	-0.80	-0.94	-0.67	-0.65	-0.33	-0.02	0.54	1.49	1.92	1.37	1.30	0.22	1.92	-0.95
25	2.44	1.54	1.44	1.21	1.44	2.05	0.53	-0.44	-0.67	-0.86	-1.05	-1.16	-1.18	-1.05	-0.91	-0.70	-0.49	-0.25	0.07	0.79	1.52	3.10	1.59	1.98	0.46	3.10	-1.18
26	1.34	0.65	0.50	0.65	1.02	0.83	-0.27	-0.48	-0.65	-0.92	-1.01	-1.01	-1.11	-1.06	-1.02	-0.87	-0.60	-0.30	0.35	1.15	0.78	1.26	1.92	1.32	0.10	1.92	-1.11
27	1.40	1.01	1.55	1.56	1.29	1.14	0.09	-0.31	-0.43	-0.63	-0.62	-0.72	-0.72	-0.65	-0.70	-0.65	-0.55	-0.29	0.36	1.31	0.46	0.89	1.22	0.82	0.28	1.56	-0.72
28	1.00	0.98	2.36	2.60	1.33	0.89	0.10	-0.40	-0.23	-0.52	-0.96	-1.04	-1.31	-1.30	-0.88	-0.42	-0.19	0.11	0.30	1.45	2.71	2.18	2.61	2.47	0.58	2.71	-1.31
29	1.09	0.63	1.27	0.54	0.45	0.99	0.13	-0.17	0.04	-0.46	-1.11	-1.24	-1.33	-0.87	0.03	0.34	-0.11	-0.25	-0.02	0.15	0.25	0.26	0.39	1.15	0.09	1.27	-1.33
30	1.76	1.26	1.34	1.12	1.50	1.30	0.19	-0.31	-0.40	-0.61	-0.76	-0.72	-0.68	-0.62	-0.85	0.07	0.28	0.02	-0.04	1.37	0.81	0.45	0.52	0.44	0.31	1.76	-0.85
31	1.04	1.56	1.26	1.74	1.25	1.71	-0.14	-0.30	-0.38	-0.66	-0.95	-1.02	-1.03	-1.06	-1.00	-0.33	-0.43	-0.27	-0.04	0.11	0.17	0.56	0.38	1.00	0.13	1.74	-1.06
Avg	1.02	1.07	1.09	0.98	0.91	0.75	-0.07	-0.30	-0.40	-0.60	-0.73	-0.78	-0.79	-0.73	-0.63	-0.34	-0.23	-0.08	0.25	0.72	0.83	0.80	0.81	0.86	0.18	1.56	-0.92
Max	2.44	2.04	2.36	2.60	1.65	2.05	0.53	0.00	0.04	-0.18	-0.31	-0.24	-0.09	0.34	0.03	1.30	0.93	0.97	0.93	1.45	2.71	3.10	2.61	2.47	0.58	3.10	-0.41
Min	-0.15	-0.14	-0.14	-0.18	-0.16	-0.16	-0.29	-0.53	-0.82	-1.54	-1.19	-1.24	-1.33	-1.30	-1.03	-0.96	-0.78	-0.56	-0.31	-0.11	0.09	0.18	-0.01	-0.12	-0.14	0.26	-1.54

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
August 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.22	1.31	1.55	1.39	1.20	1.98	0.33	-0.33	-0.31	-0.41	-0.55	-0.99	-0.79	0.06	0.46	-0.54	-0.78	-0.17	0.06	1.00	0.27	0.86	0.90	0.52	0.34	1.98	-0.99
2	0.65	0.91	0.55	1.10	1.20	1.05	0.05	-0.32	-0.49	-0.80	-1.04	-0.96	-0.56	-0.47	-0.32	0.17	0.13	0.63	0.22	0.66	1.31	2.14	1.49	1.18	0.35	2.14	-1.04
3	1.53	1.56	0.78	1.46	1.32	1.18	-0.07	-0.27	-0.36	-0.64	-0.67	-0.92	-1.06	-0.80	-0.48	-0.31	-0.45	0.15	1.33	0.50	1.31	1.02	1.15	1.19	0.35	1.56	-1.06
4	1.43	1.10	1.13	1.35	1.45	1.12	0.31	-0.24	-0.35	-0.39	-0.66	-1.10	-0.99	-0.68	-0.06	0.39	0.13	-0.02	0.00	0.04	0.05	-0.02	0.10	0.02	0.17	1.45	-1.10
5	0.20	0.06	0.08	0.37	0.29	0.06	-0.14	-0.33	-0.40	-0.50	-0.51	-0.66	-0.44	-0.50	-0.47	-0.36	-0.54	-0.38	0.18	0.38	0.51	0.17	0.28	0.28	-0.10	0.51	-0.66
6	1.14	0.43	0.52	0.59	1.10	0.90	0.08	-0.14	-0.25	-0.43	-0.52	-0.69	-0.73	-0.51	-0.50	-0.24	-0.49	-0.21	0.42	1.03	0.86	0.71	0.82	0.31	0.17	1.14	-0.73
7	0.44	0.92	0.47	0.81	0.96	1.01	0.26	-0.20	-0.29	-0.45	-0.74	-0.81	-0.71	-0.72	-0.58	-0.61	-0.27	0.21	0.29	0.28	0.62	0.51	0.60	0.47	0.10	1.01	-0.81
8	1.01	0.87	0.95	1.17	1.16	0.85	-0.02	-0.36	-0.41	-0.61	-0.74	-0.83	-0.34	-0.12	-0.30	-0.34	-0.25	-0.16	0.46	0.28	0.44	1.19	0.43	0.09	0.18	1.19	-0.83
9	0.35	0.32	0.43	0.65	0.67	0.94	0.05	-0.44	-0.50	-0.64	-0.74	-0.88	-0.97	-0.94	-0.74	-0.74	-0.52	-0.34	-0.08	0.52	0.35	0.51	0.46	0.66	-0.07	0.94	-0.97
10	0.48	0.51	0.85	1.13	1.31	2.09	0.79	-0.25	-0.52	-0.61	-0.61	-0.77	-0.93	-0.80	-0.76	-0.55	-0.26	0.04	0.78	0.89	0.61	0.88	1.32	1.52	0.30	2.09	-0.93
11	1.07	1.18	1.02	1.72	1.11	1.23	0.34	-0.31	-0.33	-0.48	-0.60	-0.55	-0.62	-0.72	-0.69	-0.52	-0.43	-0.09	0.58	0.66	0.50	0.54	0.71	2.62	0.33	2.62	-0.72
12	1.97	2.50	1.31	1.40	1.59	1.14	0.62	-0.21	-0.31	-0.62	-0.86	-0.96	-0.96	-0.70	-0.24	0.39	0.17	-0.08	0.22	0.12	0.28	0.64	0.61	0.23	0.34	2.50	-0.96
13	0.46	0.74	0.20	0.21	0.31	0.76	0.74	-0.09	-0.49	-0.56	-0.70	-0.78	-0.83	-0.76	-0.72	-0.44	-0.44	0.09	0.47	0.12	0.41	0.54	0.50	1.23	0.04	1.23	-0.83
14	1.17	1.21	0.92	0.21	0.15	0.30	0.08	-0.21	-0.23	-0.32	-0.47	-0.50	-0.44	-0.59	-0.66	-0.69	-0.65	-0.48	0.43	0.39	0.44	0.63	0.24	0.29	0.05	1.21	-0.69
15	0.43	1.02	0.90	0.41	0.94	0.83	0.26	-0.38	-0.58	-0.46	-0.68	-0.80	-0.96	-0.91	-0.52	-0.43	-0.28	-0.13	0.20	0.59	0.12	0.39	0.15	-0.02	0.00	1.02	-0.96
16	0.15	0.39	0.17	0.29	-0.10	-0.11	-0.16	-0.25	-0.36	-0.41	-0.64	-0.68	-1.02	-1.07	-0.84	-0.84	-0.69	-0.36	0.13	1.15	2.02	1.06	1.02	0.81	-0.01	2.02	-1.07
17	0.46	0.33	0.71	0.77	0.73	0.76	0.22	-0.30	-0.35	-0.65	-1.07	-0.84	-1.08	-0.93	-0.62	-0.51	-0.16	-0.09	0.75	0.77	1.02	1.25	1.57	1.13	0.16	1.57	-1.08
18	0.94	0.87	1.45	1.02	0.90	0.88	0.48	-0.25	-0.42	-0.55	-0.94	-0.95	-0.97	-1.00	-0.86	-0.89	-0.38	0.25	0.42	1.12	0.23	0.56	0.94	1.16	0.17	1.45	-1.00
19	2.10	1.16	1.48	1.73	1.75	1.27	0.40	-0.28	-0.35	-0.73	-0.87	-0.97	-1.21	-1.10	-0.85	-0.02	0.00	0.30	0.32	0.22	0.30	0.37	0.40	0.16	0.23	2.10	-1.21
20	0.39	0.37	0.53	0.48	0.05	0.39	-0.09	-0.24	-0.36	-0.18	-0.68	-0.79	-0.70	-0.33	-0.67	-0.10	0.00	-0.19	-0.04	0.46	0.32	0.08	0.29	0.41	-0.03	0.53	-0.79
21	0.22	0.06	0.14	0.15	0.23	-0.01	-0.15	-0.36	-0.39	-0.52	-0.72	-0.80	-0.58	-0.69	-0.85	-0.58	-0.34	-0.18	0.07	0.26	0.49	0.17	0.05	-0.01	-0.18	0.49	-0.85
22	-0.04	-0.06	-0.05	-0.02	-0.05	-0.06	-0.05	-0.15	-0.20	-0.44	-0.43	-0.34	-0.56	-0.61	-0.82	-0.34	-0.44	0.00	0.07	0.05	0.10	0.20	0.03	0.16	-0.17	0.20	-0.82
23	0.05	-0.05	-0.03	-0.03	-0.04	-0.06	-0.05	-0.07	-0.13	-0.12	-0.12	-0.08	-0.11	-0.09	-0.13	-0.17	-0.18	-0.06	0.01	0.06	0.04	0.03	0.00	-0.07	-0.06	0.06	-0.18
24	0.02	0.02	0.02	0.00	0.06	0.05	0.00	-0.03	-0.14	-0.39	-0.47	-0.70	-0.72	-0.58	-0.69	-0.40	-0.34	-0.45	-0.12	-0.04	-0.05	-0.01	-0.08	0.04	-0.21	0.06	-0.72
25	0.32	0.44	0.01	-0.10	-0.09	0.01	-0.16	-0.26	-0.51	-0.72	-0.70	-0.85	-0.85	-0.84	-0.84	-0.77	-0.43	-0.43	-0.01	0.79	0.85	0.34	0.25	0.62	-0.16	0.85	-0.85
26	0.24	0.67	0.72	0.66	1.09	1.06	0.56	-0.25	-0.43	-0.68	-0.95	-0.95	-0.93	-1.03	-0.99	-0.79	-0.21	-0.26	0.79	0.62	0.16	0.13	0.21	0.46	-0.00	1.09	-1.03
27	0.67	1.16	1.01	1.27	1.20	1.39	0.81	-0.19	-0.46	-0.68	-0.92	-0.98	-1.01	-0.99	-0.90	-0.76	-0.55	-0.13	0.46	0.37	0.17	0.29	0.58	1.01	0.12	1.39	-1.01
28	1.43	1.10	1.06	1.37	1.17	1.15	0.58	-0.34	-0.38	-0.58	-0.87	-0.86	-0.70	-0.90	-0.88	-0.46	-0.31	0.32	0.96	1.59	1.10	0.45	0.83	0.14	0.29	1.59	-0.90
29	-0.02	0.48	0.76	0.58	0.82	0.89	0.15	-0.31	-0.46	-0.69	-0.67	-0.96	-1.14	-0.93	-0.88	-0.63	-0.63	-0.18	0.38	0.27	0.43	1.52	1.76	1.60	0.09	1.76	-1.14
30	0.26	0.41	0.46	0.19	0.08	0.14	-0.02	-0.07	-0.21	-0.33	-0.54	-0.77	-0.66	-0.18	-0.11	-0.09	-0.11	-0.25	0.24	0.31	0.18	0.10	0.25	0.17	-0.02	0.46	-0.77
31	0.49	0.28	0.11	0.03	0.09	0.52	0.42	-0.20	-0.32	-0.46	-0.66	-0.37	-0.40	-0.74	-0.33	-0.38	0.15	0.19	0.61	1.07	1.05	0.44	0.34	0.51	0.10	1.07	-0.74
Avg	0.68	0.72	0.65	0.72	0.73	0.76	0.21	-0.25	-0.36	-0.52	-0.69	-0.78	-0.77	-0.68	-0.58	-0.40	-0.31	-0.08	0.34	0.53	0.53	0.57	0.59	0.61	0.09	1.27	-0.89
Max	2.10	2.50	1.55	1.73	1.75	2.09	0.81	-0.03	-0.13	-0.12	-0.12	-0.08	-0.11	0.06	0.46	0.39	0.17	0.63	1.33	1.59	2.02	2.14	1.76	2.62	0.35	2.62	-0.18
Min	-0.04	-0.06	-0.05	-0.10	-0.10	-0.11	-0.16	-0.44	-0.58	-0.80	-1.07	-1.10	-1.21	-1.10	-0.99	-0.89	-0.78	-0.48	-0.12	-0.04	-0.05	-0.02	-0.08	-0.07	-0.21	0.06	-1.21

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
September 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.84	0.31	0.61	0.53	0.56	0.35	0.13	-0.31	-0.48	-1.01	-1.11	-0.91	-0.72	-0.98	-0.92	-0.90	-0.61	-0.23	0.48	1.28	1.28	0.48	0.61	0.89	0.01	1.28	-1.11
2	0.86	1.07	0.97	0.64	0.64	0.87	0.57	-0.17	-0.36	-0.83	-0.93	-1.07	-1.11	-1.07	-1.00	-0.80	-0.57	-0.19	0.93	0.55	0.46	0.33	0.56	0.97	0.06	1.07	-1.11
3	1.22	1.92	0.98	1.15	1.02	0.87	0.69	-0.24	-0.52	-0.63	-0.53	-0.50	-1.02	-1.05	-0.86	-0.76	-0.71	-0.28	0.19	0.35	0.39	0.22	0.21	0.26	0.10	1.92	-1.05
4	0.14	0.00	-0.04	0.01	-0.03	-0.07	-0.14	-0.24	-0.36	-0.56	-0.61	-0.78	-0.55	-0.42	-0.63	-0.65	-0.37	-0.40	0.55	0.53	0.15	0.92	1.09	0.72	-0.07	1.09	-0.78
5	0.63	1.52	1.31	1.71	1.20	1.78	0.98	-0.22	-0.43	-0.53	-0.85	-0.86	-0.92	-0.87	-0.99	-0.73	-0.61	-0.31	0.99	0.43	0.32	0.24	1.17	1.78	0.28	1.78	-0.99
6	1.75	1.62	1.47	1.16	1.39	1.65	0.72	-0.35	-0.39	-0.53	-0.79	-0.98	-0.80	-0.87	-0.86	-0.73	-0.62	-0.17	0.69	0.29	0.46	1.65	1.77	1.37	0.37	1.77	-0.98
7	1.59	1.76	1.38	1.62	1.63	1.98	1.04	-0.10	-0.33	-0.38	-0.80	-1.01	-1.08	-0.99	-0.85	-0.64	-0.29	0.22	1.76	1.22	0.47	0.74	1.02	1.59	0.48	1.98	-1.08
8	1.83	1.95	1.75	2.02	1.79	1.82	1.77	-0.21	-0.36	-0.43	-0.86	-1.03	-1.07	-1.03	-0.86	-0.58	-0.22	0.26	1.46	1.72	1.04	0.32	0.32	0.18	0.48	2.02	-1.07
9	-0.12	-0.17	-0.13	-0.18	-0.12	-0.09	-0.21	-0.41	-0.47	-0.75	-1.00	-1.10	-1.10	-0.96	-1.10	-1.15	-0.67	-0.40	-0.25	-0.17	-0.16	-0.14	-0.15	-0.15	-0.46	-0.09	-1.15
10	-0.13	0.02	-0.07	-0.05	-0.08	-0.07	-0.07	-0.06	-0.17	-0.13	-0.24	-0.33	-0.28	-0.30	-0.46	-0.37	-0.30	-0.11	-0.02	-0.04	-0.06	-0.14	-0.13	-0.12	-0.15	0.02	-0.46
11	-0.11	-0.13	-0.10	-0.10	-0.07	-0.01	-0.02	-0.23	-0.47	-0.44	-0.73	-0.91	-0.75	-0.46	-0.58	-0.60	-0.42	-0.25	0.12	0.58	0.46	0.63	1.08	1.43	-0.09	1.43	-0.91
12	1.71	1.59	1.40	1.38	1.44	1.22	1.03	0.12	0.03	-0.46	-0.72	-0.76	-0.76	-0.91	-0.96	-0.57	-0.54	-0.20	0.63	0.19	1.12	1.33	2.01	1.34	0.44	2.01	-0.96
13	1.20	2.08	1.33	0.77	0.81	1.28	0.52	-0.30	-0.78	-0.70	-0.71	-0.67	-0.62	-0.68	-0.52	-0.52	-0.55	-0.21	0.54	0.43	0.93	0.89	0.83	0.73	0.25	2.08	-0.78
14	0.37	0.42	0.60	0.94	0.64	1.73	0.68	-0.09	-0.38	-0.59	-1.01	-1.14	-1.23	-1.22	-1.05	-0.91	-0.60	-0.10	0.84	1.23	1.26	1.11	1.07	1.52	0.17	1.73	-1.23
15	0.83	0.82	1.20	1.15	1.50	2.03	1.33	-0.08	-0.38	-0.62	-0.54	-0.90	-1.08	-1.08	-0.99	-0.76	-0.42	0.28	0.97	0.28	0.53	0.45	0.89	1.77	0.30	2.03	-1.08
16	1.94	1.56	1.68	1.24	1.61	0.97	1.21	0.08	-0.32	-0.36	-0.41	-0.66	-0.65	-0.39	-0.34	-0.28	0.15	0.61	0.62	0.34	0.88	0.38	0.62	1.08	0.48	1.94	-0.66
17	0.47	0.29	0.30	0.57	0.44	0.73	1.61	0.13	-0.24	-0.39	-0.68	-0.74	-0.81	-0.74	-0.44	-0.03	0.20	0.56	0.70	0.59	0.32	0.34	0.70	1.38	0.22	1.61	-0.81
18	1.66	0.99	0.72	0.81	1.47	1.07	0.91	0.86	0.27	-0.09	-0.54	-0.33	-0.43	-0.47	-0.72	-0.43	-0.25	0.19	0.97	1.18	0.45	0.36	0.83	0.84	0.43	1.66	-0.72
19	0.89	0.71	0.75	0.74	0.87	1.49	1.83	0.46	0.04	-0.15	-0.67	-1.00	-1.04	-0.96	-0.42	-0.13	-0.05	0.05	0.46	0.56	0.96	0.77	1.60	1.02	0.37	1.83	-1.04
20	0.86	0.83	0.69	1.33	1.15	1.00	1.11	0.08	-0.46	-0.44	-0.55	-0.90	-0.87	-0.77	-0.73	-0.61	-0.49	0.07	0.60	0.73	0.63	0.30	1.16	1.23	0.25	1.33	-0.90
21	1.48	1.68	1.41	1.06	1.42	1.05	0.89	0.28	-0.34	-0.76	-1.17	-1.31	-1.33	-1.28	-0.92	-0.75	-0.35	0.02	0.50	0.92	1.16	1.60	2.45	2.49	0.43	2.49	-1.33
22	1.89	1.22	1.11	0.98	1.34	1.15	1.12	0.38	-0.36	-0.52	-0.84	-1.02	-0.80	-0.51	-0.41	-0.32	-0.12	0.19	0.42	0.47	0.57	0.73	0.48	1.55	0.36	1.89	-1.02
23	0.76	1.42	1.21	1.57	1.47	1.41	1.27	0.23	-0.09	-0.49	-0.91	-0.95	-1.06	-1.09	-0.86	-0.42	0.35	0.17	0.15	0.75	0.48	0.77	0.68	1.04	0.33	1.57	-1.09
24	0.98	0.98	1.30	1.21	1.11	1.55	1.64	0.30	-0.06	-0.38	-0.81	-1.01	-0.95	-1.01	-0.91	-0.70	-0.29	0.54	1.15	1.48	1.84	3.15	3.04	2.26	0.68	3.15	-1.01
25	2.50	2.47	1.55	1.26	1.89	1.94	1.86	0.30	-0.25	-0.52	-0.87	-1.09	-1.12	-1.09	-0.93	-0.65	-0.22	0.68	2.12	1.82	1.61	2.34	1.68	1.57	0.79	2.50	-1.12
26	1.55	2.52	2.97	2.98	2.25	1.94	1.44	0.41	-0.41	-0.71	-1.01	-0.37	-0.79	-0.86	-1.09	-0.90	-0.61	0.33	0.89	0.99	0.74	1.80	0.47	0.24	0.62	2.98	-1.09
27	0.12	0.00	0.02	-0.01	-0.01	-0.01	0.07	0.04	0.00	-0.08	-0.10	-0.13	-0.16	-0.11	-0.07	-0.18	-0.09	-0.04	-0.01	0.02	0.00	0.02	-0.03	-0.05	-0.03	0.12	-0.18
28	-0.02	0.00	-0.05	-0.04	-0.02	-0.04	-0.01	-0.05	-0.06	-0.06	-0.08	-0.17	-0.24	-0.26	-0.28	-0.27	-0.15	-0.06	-0.02	0.08	0.04	0.07	-0.02	-0.03	-0.07	0.08	-0.28
29	-0.04	0.00	-0.02	-0.04	-0.04	0.01	0.17	0.05	-0.32	-0.73	-0.85	-0.89	-0.75	-0.49	-0.53	-0.18	-0.10	0.17	0.33	0.57	0.74	0.35	0.34	0.12	-0.09	0.74	-0.89
30	0.07	0.19	0.23	0.05	0.03	0.14	0.15	0.02	-0.01	-0.14	-0.16	-0.26	-0.29	-0.37	-0.47	-0.37	-0.16	0.10	0.19	0.10	0.07	0.05	-0.01	-0.02	-0.04	0.23	-0.47
Avg	0.92	0.99	0.88	0.88	0.91	0.99	0.81	0.02	-0.28	-0.48	-0.70	-0.79	-0.81	-0.78	-0.73	-0.56	-0.32	0.05	0.63	0.65	0.64	0.74	0.88	0.97	0.23	1.54	-0.91
Max	2.50	2.52	2.97	2.98	2.25	2.03	1.86	0.86	0.27	-0.06	-0.08	-0.13	-0.16	-0.11	-0.07	-0.03	0.35	0.68	2.12	1.82	1.84	3.15	3.04	2.49	0.79	3.15	-0.18
Min	-0.13	-0.17	-0.13	-0.18	-0.12	-0.09	-0.21	-0.41	-0.78	-1.01	-1.17	-1.31	-1.33	-1.28	-1.10	-1.15	-0.71	-0.40	-0.25	-0.17	-0.16	-0.14	-0.15	-0.15	-0.46	-0.09	-1.33

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
July 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	0	0	0	0	5	88	239	406	582	745	813	657	297	101	264	687	579	377	155	69	4	0	0	0	253	813	0
2	0	0	0	0	5	90	249	426	599	755	865	935	948	925	843	722	551	405	196	43	4	0	0	0	357	948	0
3	0	0	0	0	3	29	201	426	590	719	857	918	821	926	550	44	144	55	100	38	4	0	0	0	268	926	0
4	0	0	0	0	7	85	216	233	303	369	633	826	904	918	847	259	97	111	149	66	2	0	0	0	251	918	0
5	0	0	0	0	4	52	168	251	232	292	635	545	622	816	770	636	421	398	164	65	4	0	0	0	253	816	0
6	0	0	0	0	5	95	254	433	594	746	853	924	951	911	773	554	545	494	226	64	3	0	0	0	351	951	0
7	0	0	0	0	3	94	132	203	370	351	752	630	664	683	741	655	655	426	238	81	3	0	0	0	278	752	0
8	0	0	0	0	3	82	246	419	587	738	849	923	893	895	850	753	586	414	238	76	3	0	0	0	356	923	0
9	0	0	0	0	3	82	241	415	585	740	867	845	397	549	741	493	254	178	81	34	1	0	0	0	271	867	0
10	0	0	0	0	3	87	245	421	594	742	825	942	964	933	868	750	558	389	242	79	3	0	0	0	360	964	0
11	0	0	0	0	3	60	225	414	353	304	663	492	885	727	808	584	584	258	81	51	2	0	0	0	271	885	0
12	0	0	0	0	3	73	231	408	579	738	854	882	817	946	860	737	580	422	244	97	4	0	0	0	353	946	0
13	0	0	0	0	3	74	230	404	572	726	839	912	951	956	796	671	573	398	209	76	2	0	0	0	350	956	0
14	0	0	0	0	6	69	206	386	562	720	828	754	877	612	681	351	323	404	215	40	1	0	0	0	293	877	0
15	0	0	0	0	0	8	141	173	408	531	227	177	295	707	56	91	64	162	113	70	1	0	0	0	134	707	0
16	0	0	0	0	1	37	111	237	454	733	849	924	951	911	776	613	435	301	147	41	2	0	0	0	313	951	0
17	0	0	0	0	2	51	169	314	494	651	759	844	840	703	774	708	530	343	189	38	1	0	0	0	309	844	0
18	0	0	0	0	2	44	132	190	231	288	401	436	598	157	320	376	313	225	88	15	0	0	0	0	159	598	0
19	0	0	0	0	1	41	125	197	298	588	739	874	889	866	619	587	546	363	190	38	1	0	0	0	290	889	0
20	0	0	0	0	1	65	217	390	564	718	821	905	947	957	827	528	563	389	216	61	1	0	0	0	340	957	0
21	0	0	0	0	0	13	11	59	295	636	357	423	193	90	430	721	515	378	150	45	1	0	0	0	180	721	0
22	0	0	0	0	0	18	17	22	61	397	696	920	881	800	542	248	41	131	200	38	0	0	0	0	209	920	0
23	0	0	0	0	1	27	122	326	526	699	820	824	822	790	643	589	523	387	101	3	0	0	0	0	300	824	0
24	0	0	0	0	1	52	215	382	552	706	824	812	786	787	823	725	567	402	223	59	1	0	0	0	330	824	0
25	0	0	0	0	1	55	217	395	568	726	842	918	946	918	844	726	572	399	220	57	1	0	0	0	350	946	0
26	0	0	0	0	1	58	216	394	569	723	837	914	941	911	837	716	561	392	217	55	1	0	0	0	348	941	0
27	0	0	0	0	1	51	210	389	564	720	838	910	935	909	833	714	560	389	145	24	0	0	0	0	341	935	0
28	0	0	0	0	2	32	208	351	321	709	748	772	943	893	625	407	305	220	73	23	1	0	0	0	276	943	0
29	0	0	0	0	0	31	185	265	190	462	803	883	942	648	60	92	161	273	107	24	0	0	0	0	214	942	0
30	0	0	0	0	1	57	201	351	544	697	815	890	786	819	739	230	253	342	176	22	0	0	0	0	288	890	0
31	0	0	0	0	0	40	206	345	531	697	821	899	912	916	858	455	454	348	129	38	0	0	0	0	319	916	0
Avg	0	0	0	0	2	56	187	323	460	625	753	791	793	764	677	530	433	328	168	49	2	0	0	0	289	880	0
Max	0	0	0	0	7	95	254	433	599	755	867	942	964	957	868	753	655	494	244	97	4	0	0	0	360	964	0
Min	0	0	0	0	0	8	11	22	61	288	227	177	193	90	56	44	41	55	73	3	0	0	0	0	134	598	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
August 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	0	0	0	0	0	44	202	304	351	636	792	950	721	124	149	582	533	232	147	12	0	0	0	0	241	950	0
2	0	0	0	0	0	34	112	242	558	590	797	755	496	380	422	189	165	89	98	15	0	0	0	0	206	797	0
3	0	0	0	0	0	19	155	213	425	615	724	799	855	779	516	402	439	263	79	30	0	0	0	0	263	855	0
4	0	0	0	0	0	24	106	201	409	554	614	651	610	405	80	14	17	13	28	9	0	0	0	0	156	651	0
5	0	0	0	0	0	8	75	293	446	647	744	769	536	577	536	397	484	305	147	22	0	0	0	0	249	769	0
6	0	0	0	0	0	23	145	291	475	621	685	838	917	809	678	506	584	396	188	25	0	0	0	0	299	917	0
7	0	0	0	0	0	23	102	276	538	653	764	844	884	855	780	676	390	232	154	28	0	0	0	0	300	884	0
8	0	0	0	0	0	18	152	287	500	602	763	840	418	319	272	302	189	169	87	8	0	0	0	0	205	840	0
9	0	0	0	0	0	22	150	312	492	650	787	865	910	853	805	672	493	297	112	10	0	0	0	0	310	910	0
10	0	0	0	0	0	19	148	319	496	645	760	818	893	866	768	640	456	265	88	16	0	0	0	0	300	893	0
11	0	0	0	0	0	22	145	308	467	634	748	777	853	815	742	612	463	300	128	15	0	0	0	0	293	853	0
12	0	0	0	0	0	28	123	279	482	648	775	849	889	691	478	127	85	152	30	3	0	0	0	0	235	889	0
13	0	0	0	0	0	4	35	235	500	576	732	867	869	781	781	523	496	225	36	1	0	0	0	0	278	869	0
14	0	0	0	0	0	5	31	110	138	326	305	362	297	479	728	648	533	326	50	6	0	0	0	0	181	728	0
15	0	0	0	0	0	7	78	301	484	642	650	781	717	541	300	305	209	219	95	4	0	0	0	0	222	781	0
16	0	0	0	0	0	10	128	295	362	427	459	632	886	838	703	661	495	317	126	10	0	0	0	0	265	886	0
17	0	0	0	0	0	7	67	244	306	500	777	614	744	674	453	435	230	233	76	9	0	0	0	0	224	777	0
18	0	0	0	0	0	8	129	302	480	634	773	813	849	795	721	613	391	188	116	8	0	0	0	0	284	849	0
19	0	0	0	0	0	11	127	296	480	633	753	824	850	806	644	238	234	51	23	7	0	0	0	0	249	850	0
20	0	0	0	0	0	12	102	191	298	259	742	766	630	351	550	166	110	112	48	4	0	0	0	0	181	766	0
21	0	0	0	0	0	7	58	168	199	420	500	373	249	359	586	297	121	75	34	3	0	0	0	0	144	586	0
22	0	0	0	0	0	1	16	60	135	252	272	188	304	313	600	201	238	35	7	0	0	0	0	0	109	600	0
23	0	0	0	0	0	0	11	28	56	64	63	109	245	215	263	243	145	72	27	1	0	0	0	0	64	263	0
24	0	0	0	0	0	1	16	61	127	241	264	354	415	291	291	120	114	183	37	2	0	0	0	0	105	415	0
25	0	0	0	0	0	2	60	137	236	460	630	552	681	649	542	481	285	242	101	3	0	0	0	0	211	681	0
26	0	0	0	0	0	4	117	293	469	626	751	860	861	817	732	562	300	236	87	2	0	0	0	0	280	861	0
27	0	0	0	0	0	4	113	288	465	622	746	822	840	805	717	590	431	255	71	2	0	0	0	0	282	840	0
28	0	0	0	0	0	3	113	283	454	612	741	736	662	821	737	481	388	170	47	0	0	0	0	0	260	821	0
29	0	0	0	0	0	3	92	284	459	614	736	812	836	809	704	495	435	245	72	1	0	0	0	0	275	836	0
30	0	0	0	0	0	0	23	93	183	271	428	627	444	132	167	91	124	198	38	1	0	0	0	0	118	627	0
31	0	0	0	0	0	2	33	222	385	494	405	293	383	739	271	377	151	110	26	0	0	0	0	0	162	739	0
Avg	0	0	0	0	0	12	96	233	382	522	635	682	669	603	539	408	314	200	78	8	0	0	0	0	224	774	0
Max	0	0	0	0	0	44	202	319	558	653	797	950	917	866	805	676	584	396	188	30	0	0	0	0	310	950	0
Min	0	0	0	0	0	0	11	28	56	64	63	109	245	124	80	14	17	13	7	0	0	0	0	0	64	263	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
September 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	0	0	0	0	0	2	50	254	436	622	753	553	462	618	567	558	415	235	57	1	0	0	0	0	233	753	0
2	0	0	0	0	0	2	53	217	365	640	708	812	813	750	689	553	393	227	54	0	0	0	0	0	262	813	0
3	0	0	0	0	0	2	44	226	444	498	340	297	699	727	643	483	425	217	51	0	0	0	0	0	212	727	0
4	0	0	0	0	0	0	24	72	205	340	397	516	325	278	460	504	297	228	48	0	0	0	0	0	154	516	0
5	0	0	0	0	0	2	100	270	441	603	729	800	817	783	691	563	401	218	45	0	0	0	0	0	269	817	0
6	0	0	0	0	0	2	97	268	443	602	728	801	818	780	687	556	393	212	42	0	0	0	0	0	268	818	0
7	0	0	0	0	0	2	76	254	432	592	721	798	814	776	681	533	365	194	37	0	0	0	0	0	261	814	0
8	0	0	0	0	0	1	66	238	411	559	700	776	797	757	663	527	361	181	31	0	0	0	0	0	253	797	0
9	0	0	0	0	0	0	29	114	288	408	472	538	560	396	560	434	195	61	5	0	0	0	0	0	169	560	0
10	0	0	0	0	0	0	9	26	112	75	164	315	150	153	319	164	87	40	13	0	0	0	0	0	68	319	0
11	0	0	0	0	0	0	23	124	348	273	238	383	284	224	292	246	141	87	18	0	0	0	0	0	112	383	0
12	0	0	0	0	0	1	58	242	428	585	697	710	753	763	667	411	383	184	24	0	0	0	0	0	246	763	0
13	0	0	0	0	0	0	66	179	375	452	513	578	622	385	423	497	346	160	14	0	0	0	0	0	192	622	0
14	0	0	0	0	0	0	66	236	403	558	683	755	770	728	636	502	337	163	16	0	0	0	0	0	244	770	0
15	0	0	0	0	0	0	60	231	401	559	686	760	779	736	639	498	334	156	14	0	0	0	0	0	244	779	0
16	0	0	0	0	0	1	28	184	367	514	528	665	465	317	298	276	143	59	5	0	0	0	0	0	160	665	0
17	0	0	0	0	0	0	44	195	324	498	640	674	710	515	334	182	131	50	3	0	0	0	0	0	179	710	0
18	0	0	0	0	0	0	4	9	30	211	486	186	247	267	422	264	192	107	6	0	0	0	0	0	101	486	0
19	0	0	0	0	0	0	33	100	112	151	440	683	620	573	238	114	97	69	9	0	0	0	0	0	135	683	0
20	0	0	0	0	0	0	29	211	375	530	540	744	735	688	594	461	297	126	6	0	0	0	0	0	222	744	0
21	0	0	0	0	0	0	45	211	375	526	649	716	730	689	585	420	257	86	5	0	0	0	0	0	221	730	0
22	0	0	0	0	0	0	24	185	359	514	656	749	394	267	225	183	106	50	3	0	0	0	0	0	155	749	0
23	0	0	0	0	0	0	31	177	352	505	633	664	709	633	552	269	38	69	3	0	0	0	0	0	193	709	0
24	0	0	0	0	0	0	25	117	271	475	637	684	711	665	569	432	266	99	3	0	0	0	0	0	206	711	0
25	0	0	0	0	0	0	30	188	362	517	637	704	711	663	567	432	267	97	2	0	0	0	0	0	216	711	0
26	0	0	0	0	0	0	23	194	339	490	535	218	399	465	537	407	266	52	1	0	0	0	0	0	164	537	0
27	0	0	0	0	0	0	1	12	43	80	83	91	72	42	31	80	30	9	0	0	0	0	0	0	24	91	0
28	0	0	0	0	0	0	6	28	28	26	75	128	144	87	76	91	75	14	0	0	0	0	0	0	32	144	0
29	0	0	0	0	0	0	7	31	182	366	529	541	387	391	329	112	77	38	0	0	0	0	0	0	125	541	0
30	0	0	0	0	0	0	5	43	52	86	92	138	154	222	306	241	119	30	0	0	0	0	0	0	62	306	0
Avg	0	0	0	0	0	1	39	161	303	429	523	566	555	511	476	366	241	117	17	0	0	0	0	0	179	626	0
Max	0	0	0	0	0	2	100	270	444	640	753	812	818	783	691	563	425	235	57	1	0	0	0	0	269	818	0
Min	0	0	0	0	0	0	1	9	28	26	75	91	72	42	31	80	30	9	0	0	0	0	0	0	24	91	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
July 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	24.65	24.64	24.64	24.64	24.65	24.66	24.67	24.68	24.67	24.66	24.66	24.65	24.65	24.65	24.65	24.64	24.63	24.62	24.62	24.62	24.62	24.63	24.62	24.62	24.64	24.68	24.62
2	24.61	24.60	24.60	24.59	24.59	24.60	24.59	24.58	24.58	24.56	24.55	24.55	24.54	24.53	24.53	24.51	24.50	24.49	24.49	24.49	24.50	24.52	24.52	24.52	24.55	24.61	24.49
3	24.52	24.53	24.51	24.49	24.50	24.50	24.50	24.50	24.49	24.48	24.47	24.48	24.47	24.46	24.45	24.46	24.43	24.44	24.45	24.46	24.47	24.50	24.50	24.49	24.48	24.53	24.43
4	24.50	24.50	24.51	24.51	24.50	24.52	24.52	24.52	24.52	24.53	24.53	24.52	24.50	24.49	24.48	24.48	24.49	24.49	24.49	24.48	24.48	24.50	24.51	24.51	24.50	24.53	24.48
5	24.51	24.51	24.50	24.50	24.51	24.52	24.53	24.54	24.55	24.56	24.56	24.56	24.56	24.55	24.55	24.55	24.56	24.56	24.57	24.58	24.59	24.60	24.61	24.61	24.55	24.61	24.50
6	24.61	24.61	24.61	24.62	24.62	24.63	24.64	24.63	24.62	24.62	24.60	24.59	24.58	24.56	24.56	24.55	24.55	24.54	24.53	24.52	24.53	24.54	24.54	24.54	24.58	24.64	24.52
7	24.54	24.55	24.55	24.56	24.57	24.60	24.62	24.64	24.64	24.64	24.64	24.64	24.64	24.64	24.64	24.64	24.63	24.62	24.62	24.62	24.63	24.64	24.64	24.64	24.62	24.64	24.54
8	24.64	24.64	24.63	24.63	24.63	24.63	24.63	24.62	24.61	24.60	24.60	24.59	24.58	24.56	24.55	24.54	24.53	24.52	24.51	24.51	24.52	24.53	24.53	24.52	24.58	24.64	24.51
9	24.52	24.51	24.51	24.51	24.51	24.51	24.51	24.50	24.50	24.48	24.48	24.47	24.46	24.45	24.44	24.42	24.41	24.41	24.40	24.40	24.41	24.42	24.42	24.42	24.46	24.52	24.40
10	24.41	24.41	24.41	24.42	24.43	24.44	24.45	24.45	24.46	24.45	24.45	24.44	24.43	24.41	24.40	24.40	24.39	24.38	24.39	24.40	24.43	24.45	24.46	24.47	24.43	24.47	24.38
11	24.47	24.48	24.49	24.51	24.54	24.57	24.58	24.59	24.59	24.60	24.60	24.60	24.59	24.58	24.57	24.57	24.56	24.56	24.57	24.59	24.60	24.61	24.63	24.63	24.57	24.63	24.47
12	24.64	24.64	24.66	24.66	24.66	24.68	24.68	24.69	24.69	24.69	24.69	24.69	24.69	24.68	24.67	24.67	24.67	24.67	24.67	24.69	24.70	24.71	24.71	24.72	24.68	24.72	24.64
13	24.72	24.72	24.72	24.72	24.72	24.73	24.74	24.73	24.72	24.71	24.71	24.70	24.69	24.68	24.67	24.67	24.67	24.67	24.67	24.68	24.71	24.73	24.74	24.73	24.71	24.74	24.67
14	24.74	24.73	24.73	24.73	24.73	24.74	24.75	24.74	24.74	24.72	24.72	24.71	24.70	24.68	24.67	24.67	24.63	24.61	24.61	24.62	24.62	24.61	24.61	24.61	24.68	24.75	24.61
15	24.60	24.63	24.60	24.61	24.59	24.59	24.59	24.60	24.59	24.58	24.58	24.57	24.57	24.57	24.57	24.58	24.57	24.56	24.56	24.56	24.57	24.57	24.56	24.56	24.58	24.63	24.56
16	24.56	24.56	24.55	24.55	24.56	24.56	24.56	24.57	24.56	24.56	24.55	24.54	24.53	24.52	24.51	24.50	24.49	24.49	24.49	24.49	24.50	24.51	24.52	24.51	24.53	24.57	24.49
17	24.50	24.49	24.49	24.49	24.48	24.49	24.49	24.49	24.48	24.47	24.46	24.45	24.43	24.42	24.40	24.39	24.36	24.35	24.34	24.33	24.34	24.37	24.38	24.39	24.43	24.50	24.33
18	24.40	24.42	24.43	24.43	24.44	24.45	24.45	24.46	24.46	24.45	24.45	24.45	24.44	24.45	24.45	24.44	24.44	24.43	24.43	24.43	24.44	24.44	24.44	24.43	24.44	24.46	24.40
19	24.43	24.43	24.42	24.42	24.42	24.42	24.43	24.43	24.43	24.41	24.41	24.41	24.40	24.39	24.38	24.38	24.38	24.38	24.37	24.38	24.39	24.40	24.40	24.39	24.40	24.43	24.37
20	24.39	24.39	24.38	24.38	24.38	24.39	24.40	24.40	24.40	24.39	24.39	24.38	24.38	24.37	24.36	24.35	24.35	24.34	24.34	24.35	24.36	24.37	24.37	24.38	24.37	24.40	24.34
21	24.38	24.38	24.37	24.37	24.42	24.43	24.44	24.45	24.45	24.45	24.46	24.47	24.48	24.48	24.49	24.49	24.49	24.49	24.50	24.52	24.55	24.58	24.60	24.60	24.47	24.60	24.37
22	24.62	24.62	24.62	24.62	24.62	24.64	24.66	24.67	24.68	24.68	24.68	24.68	24.67	24.67	24.66	24.65	24.66	24.66	24.66	24.66	24.68	24.69	24.70	24.69	24.66	24.70	24.62
23	24.67	24.67	24.65	24.62	24.62	24.66	24.64	24.64	24.63	24.60	24.59	24.59	24.57	24.56	24.55	24.53	24.51	24.48	24.45	24.45	24.46	24.44	24.44	24.43	24.56	24.67	24.43
24	24.42	24.41	24.42	24.41	24.41	24.41	24.42	24.41	24.40	24.40	24.40	24.40	24.40	24.45	24.46	24.44	24.44	24.44	24.44	24.45	24.47	24.48	24.49	24.50	24.43	24.50	24.40
25	24.49	24.49	24.48	24.48	24.48	24.49	24.50	24.50	24.49	24.48	24.47	24.47	24.46	24.46	24.45	24.44	24.44	24.45	24.46	24.48	24.49	24.52	24.52	24.53	24.48	24.53	24.44
26	24.53	24.54	24.55	24.56	24.57	24.58	24.60	24.61	24.62	24.62	24.63	24.63	24.63	24.63	24.63	24.63	24.62	24.63	24.63	24.65	24.67	24.68	24.69	24.70	24.62	24.70	24.53
27	24.71	24.72	24.72	24.72	24.72	24.73	24.74	24.75	24.74	24.74	24.74	24.73	24.72	24.72	24.71	24.70	24.69	24.68	24.68	24.68	24.70	24.71	24.71	24.71	24.72	24.75	24.68
28	24.72	24.72	24.72	24.72	24.72	24.72	24.73	24.73	24.72	24.71	24.70	24.69	24.69	24.67	24.67	24.67	24.67	24.66	24.65	24.65	24.66	24.67	24.67	24.67	24.69	24.73	24.65
29	24.68	24.68	24.68	24.68	24.69	24.69	24.70	24.70	24.70	24.70	24.70	24.68	24.67	24.66	24.69	24.69	24.68	24.66	24.65	24.66	24.67	24.68	24.68	24.68	24.68	24.70	24.65
30	24.68	24.68	24.68	24.68	24.69	24.69	24.70	24.70	24.69	24.68	24.67	24.67	24.65	24.64	24.63	24.62	24.62	24.62	24.62	24.63	24.65	24.66	24.66	24.65	24.66	24.70	24.62
31	24.65	24.65	24.65	24.65	24.65	24.65	24.66	24.66	24.66	24.65	24.64	24.63	24.62	24.61	24.61	24.60	24.60	24.61	24.62	24.63	24.64	24.66	24.66	24.65	24.64	24.66	24.60
Avg	24.56	24.57	24.56	24.56	24.57	24.58	24.58	24.59	24.58	24.58	24.57	24.57	24.56	24.55	24.55	24.54	24.54	24.53	24.53	24.54	24.55	24.56	24.57	24.56	24.56	24.61	24.51
Max	24.74	24.73	24.73	24.73	24.73	24.74	24.75	24.75	24.74	24.74	24.74	24.73	24.72	24.72	24.71	24.70	24.69	24.68	24.68	24.69	24.71	24.73	24.74	24.73	24.72	24.75	24.68
Min	24.38	24.38	24.37	24.37	24.38	24.39	24.40	24.40	24.40	24.39	24.39	24.38	24.38	24.37	24.36	24.35	24.35	24.34	24.34	24.33	24.34	24.37	24.37	24.38	24.37	24.40	24.33

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
August 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	24.65	24.64	24.64	24.65	24.64	24.65	24.67	24.67	24.67	24.67	24.67	24.66	24.66	24.66	24.65	24.64	24.62	24.62	24.62	24.63	24.64	24.65	24.67	24.67	24.65	24.67	24.62
2	24.66	24.66	24.66	24.65	24.64	24.65	24.66	24.65	24.65	24.64	24.64	24.63	24.62	24.61	24.60	24.60	24.61	24.62	24.60	24.59	24.61	24.63	24.63	24.62	24.63	24.66	24.59
3	24.63	24.62	24.61	24.62	24.63	24.64	24.64	24.64	24.63	24.63	24.62	24.62	24.61	24.60	24.59	24.57	24.56	24.55	24.56	24.57	24.58	24.60	24.61	24.60	24.61	24.64	24.55
4	24.60	24.60	24.60	24.60	24.60	24.62	24.63	24.63	24.62	24.60	24.59	24.58	24.58	24.58	24.58	24.62	24.64	24.63	24.61	24.59	24.59	24.60	24.60	24.58	24.60	24.64	24.58
5	24.58	24.57	24.57	24.56	24.57	24.57	24.58	24.58	24.57	24.57	24.56	24.56	24.55	24.54	24.54	24.54	24.53	24.52	24.52	24.53	24.54	24.55	24.55	24.55	24.55	24.58	24.52
6	24.55	24.54	24.55	24.55	24.55	24.55	24.56	24.56	24.56	24.55	24.54	24.53	24.53	24.52	24.50	24.49	24.49	24.48	24.48	24.49	24.50	24.51	24.52	24.52	24.53	24.56	24.48
7	24.51	24.52	24.53	24.53	24.53	24.54	24.55	24.55	24.54	24.53	24.52	24.52	24.51	24.50	24.48	24.47	24.47	24.46	24.45	24.47	24.48	24.50	24.50	24.50	24.51	24.55	24.45
8	24.50	24.50	24.49	24.50	24.51	24.51	24.52	24.51	24.51	24.51	24.51	24.50	24.50	24.51	24.51	24.49	24.50	24.49	24.49	24.50	24.52	24.54	24.54	24.53	24.51	24.54	24.49
9	24.54	24.55	24.55	24.56	24.57	24.59	24.62	24.63	24.64	24.64	24.65	24.65	24.64	24.64	24.64	24.63	24.63	24.62	24.63	24.64	24.66	24.67	24.67	24.68	24.62	24.68	24.54
10	24.68	24.68	24.68	24.68	24.68	24.69	24.71	24.70	24.70	24.70	24.69	24.69	24.68	24.68	24.67	24.66	24.65	24.64	24.65	24.66	24.67	24.68	24.69	24.70	24.68	24.71	24.64
11	24.71	24.71	24.71	24.70	24.70	24.70	24.71	24.72	24.71	24.70	24.70	24.69	24.68	24.67	24.65	24.65	24.64	24.62	24.61	24.62	24.64	24.64	24.64	24.63	24.67	24.72	24.61
12	24.63	24.63	24.63	24.63	24.62	24.62	24.62	24.61	24.60	24.58	24.57	24.56	24.55	24.53	24.51	24.51	24.55	24.53	24.53	24.53	24.55	24.56	24.55	24.54	24.57	24.63	24.51
13	24.57	24.57	24.55	24.55	24.54	24.55	24.56	24.56	24.56	24.55	24.55	24.54	24.53	24.51	24.50	24.48	24.47	24.46	24.46	24.46	24.48	24.48	24.48	24.48	24.52	24.57	24.46
14	24.48	24.49	24.49	24.48	24.48	24.49	24.51	24.52	24.52	24.53	24.53	24.52	24.51	24.52	24.50	24.49	24.49	24.47	24.47	24.49	24.51	24.51	24.51	24.51	24.50	24.53	24.47
15	24.51	24.51	24.52	24.52	24.53	24.54	24.54	24.54	24.55	24.54	24.53	24.51	24.50	24.50	24.54	24.53	24.51	24.50	24.49	24.51	24.51	24.56	24.57	24.57	24.53	24.57	24.49
16	24.56	24.55	24.54	24.54	24.54	24.55	24.56	24.56	24.56	24.55	24.55	24.54	24.54	24.53	24.53	24.53	24.52	24.52	24.52	24.53	24.55	24.55	24.55	24.55	24.54	24.56	24.52
17	24.55	24.54	24.54	24.54	24.55	24.55	24.56	24.57	24.57	24.57	24.57	24.56	24.56	24.55	24.55	24.55	24.55	24.54	24.54	24.55	24.58	24.58	24.58	24.58	24.56	24.58	24.54
18	24.58	24.57	24.56	24.56	24.56	24.55	24.55	24.55	24.54	24.53	24.52	24.50	24.49	24.47	24.45	24.44	24.43	24.41	24.41	24.41	24.42	24.42	24.41	24.40	24.49	24.58	24.40
19	24.39	24.38	24.38	24.37	24.37	24.37	24.37	24.37	24.36	24.35	24.35	24.34	24.32	24.31	24.29	24.28	24.27	24.30	24.32	24.31	24.33	24.33	24.32	24.32	24.34	24.39	24.27
20	24.31	24.31	24.32	24.31	24.31	24.34	24.35	24.36	24.36	24.37	24.37	24.36	24.34	24.33	24.33	24.35	24.40	24.39	24.39	24.40	24.41	24.42	24.43	24.43	24.36	24.43	24.31
21	24.44	24.44	24.46	24.46	24.45	24.47	24.48	24.50	24.50	24.50	24.49	24.49	24.50	24.52	24.51	24.51	24.52	24.52	24.52	24.54	24.55	24.55	24.54	24.54	24.50	24.55	24.44
22	24.54	24.53	24.53	24.53	24.52	24.52	24.52	24.52	24.52	24.53	24.52	24.51	24.51	24.51	24.50	24.49	24.50	24.51	24.52	24.52	24.52	24.51	24.51	24.50	24.52	24.54	24.49
23	24.49	24.48	24.48	24.47	24.46	24.46	24.46	24.46	24.46	24.46	24.47	24.47	24.48	24.48	24.49	24.49	24.50	24.50	24.50	24.51	24.52	24.52	24.52	24.51	24.48	24.52	24.46
24	24.50	24.48	24.47	24.47	24.47	24.46	24.46	24.46	24.46	24.47	24.48	24.49	24.49	24.50	24.50	24.51	24.52	24.53	24.53	24.54	24.56	24.56	24.56	24.56	24.50	24.56	24.46
25	24.56	24.55	24.55	24.55	24.56	24.56	24.56	24.58	24.57	24.57	24.56	24.55	24.54	24.53	24.52	24.51	24.51	24.50	24.50	24.51	24.52	24.53	24.54	24.55	24.54	24.58	24.50
26	24.55	24.54	24.54	24.55	24.56	24.56	24.58	24.59	24.59	24.59	24.60	24.60	24.59	24.58	24.57	24.57	24.56	24.56	24.56	24.57	24.58	24.59	24.58	24.58	24.57	24.60	24.54
27	24.58	24.58	24.57	24.57	24.57	24.58	24.59	24.60	24.59	24.58	24.58	24.57	24.56	24.55	24.54	24.54	24.53	24.54	24.54	24.55	24.56	24.56	24.55	24.55	24.56	24.60	24.53
28	24.55	24.54	24.54	24.54	24.54	24.55	24.55	24.56	24.55	24.54	24.53	24.52	24.50	24.48	24.46	24.45	24.44	24.44	24.45	24.46	24.47	24.48	24.48	24.51	24.51	24.56	24.44
29	24.54	24.54	24.54	24.53	24.52	24.52	24.53	24.53	24.53	24.52	24.50	24.48	24.47	24.45	24.43	24.42	24.40	24.39	24.37	24.38	24.38	24.38	24.37	24.38	24.46	24.54	24.37
30	24.36	24.34	24.34	24.33	24.36	24.38	24.35	24.35	24.34	24.35	24.34	24.32	24.31	24.31	24.30	24.29	24.31	24.31	24.31	24.32	24.32	24.33	24.32	24.32	24.33	24.38	24.29
31	24.31	24.31	24.32	24.32	24.32	24.33	24.34	24.35	24.36	24.36	24.36	24.36	24.36	24.36	24.35	24.36	24.36	24.37	24.38	24.39	24.40	24.39	24.40	24.40	24.36	24.40	24.31
Avg	24.54	24.53	24.53	24.53	24.53	24.54	24.54	24.55	24.54	24.54	24.54	24.53	24.52	24.52	24.51	24.51	24.51	24.50	24.50	24.51	24.52	24.53	24.53	24.53	24.53	24.57	24.48
Max	24.71	24.71	24.71	24.70	24.70	24.70	24.71	24.72	24.71	24.70	24.70	24.69	24.68	24.68	24.67	24.66	24.65	24.64	24.65	24.66	24.67	24.68	24.69	24.70	24.68	24.72	24.64
Min	24.31	24.31	24.32	24.31	24.31	24.33	24.34	24.35	24.34	24.35	24.34	24.32	24.31	24.31	24.29	24.28	24.27	24.30	24.31	24.31	24.32	24.33	24.32	24.32	24.33	24.38	24.27

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
September 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	24.40	24.40	24.41	24.41	24.41	24.42	24.43	24.45	24.45	24.44	24.44	24.44	24.44	24.43	24.42	24.42	24.41	24.41	24.41	24.41	24.42	24.42	24.42	24.41	24.42	24.45	24.40
2	24.41	24.40	24.40	24.40	24.39	24.39	24.39	24.40	24.40	24.39	24.37	24.35	24.33	24.31	24.30	24.27	24.26	24.25	24.24	24.25	24.26	24.25	24.25	24.23	24.33	24.41	24.23
3	24.21	24.20	24.19	24.17	24.16	24.15	24.17	24.19	24.21	24.22	24.24	24.27	24.28	24.29	24.31	24.32	24.34	24.36	24.37	24.39	24.42	24.44	24.46	24.47	24.28	24.47	24.15
4	24.48	24.49	24.50	24.50	24.51	24.52	24.54	24.56	24.58	24.59	24.59	24.58	24.57	24.58	24.57	24.57	24.57	24.57	24.58	24.58	24.60	24.60	24.60	24.61	24.56	24.61	24.48
5	24.61	24.60	24.61	24.62	24.63	24.64	24.66	24.69	24.69	24.69	24.69	24.68	24.67	24.66	24.65	24.65	24.65	24.64	24.64	24.65	24.65	24.66	24.66	24.65	24.65	24.69	24.60
6	24.65	24.65	24.65	24.65	24.65	24.65	24.66	24.68	24.68	24.67	24.66	24.65	24.64	24.62	24.60	24.58	24.57	24.55	24.55	24.54	24.55	24.54	24.53	24.52	24.61	24.68	24.52
7	24.51	24.50	24.49	24.47	24.46	24.45	24.45	24.46	24.46	24.45	24.43	24.42	24.41	24.40	24.39	24.38	24.37	24.37	24.36	24.37	24.37	24.37	24.37	24.37	24.42	24.51	24.36
8	24.36	24.36	24.35	24.35	24.34	24.33	24.34	24.35	24.35	24.34	24.34	24.33	24.32	24.31	24.30	24.29	24.28	24.28	24.30	24.31	24.33	24.36	24.37	24.38	24.33	24.38	24.28
9	24.39	24.39	24.39	24.39	24.39	24.40	24.41	24.42	24.43	24.43	24.43	24.43	24.43	24.43	24.43	24.44	24.45	24.47	24.48	24.50	24.51	24.51	24.50	24.50	24.44	24.51	24.39
10	24.50	24.49	24.48	24.48	24.48	24.48	24.48	24.47	24.48	24.49	24.50	24.50	24.50	24.50	24.51	24.52	24.54	24.57	24.60	24.62	24.64	24.65	24.67	24.67	24.53	24.67	24.47
11	24.68	24.68	24.68	24.69	24.70	24.71	24.73	24.74	24.76	24.77	24.77	24.77	24.77	24.77	24.77	24.76	24.76	24.75	24.75	24.75	24.74	24.73	24.72	24.72	24.74	24.77	24.68
12	24.71	24.70	24.69	24.69	24.68	24.67	24.66	24.65	24.64	24.63	24.62	24.59	24.56	24.55	24.53	24.52	24.51	24.50	24.48	24.48	24.49	24.50	24.51	24.52	24.59	24.71	24.48
13	24.53	24.53	24.54	24.55	24.56	24.57	24.58	24.59	24.60	24.60	24.58	24.57	24.55	24.54	24.53	24.52	24.51	24.50	24.50	24.50	24.50	24.50	24.49	24.49	24.54	24.60	24.49
14	24.48	24.47	24.47	24.47	24.46	24.46	24.48	24.50	24.51	24.51	24.51	24.51	24.51	24.51	24.52	24.52	24.53	24.53	24.54	24.55	24.57	24.58	24.59	24.59	24.52	24.59	24.46
15	24.60	24.59	24.59	24.58	24.57	24.57	24.57	24.58	24.58	24.56	24.56	24.56	24.55	24.54	24.53	24.52	24.52	24.52	24.52	24.53	24.54	24.54	24.54	24.54	24.55	24.60	24.52
16	24.53	24.53	24.52	24.51	24.51	24.52	24.52	24.52	24.53	24.51	24.50	24.50	24.50	24.48	24.48	24.47	24.46	24.46	24.45	24.46	24.46	24.47	24.47	24.46	24.49	24.53	24.45
17	24.47	24.47	24.45	24.45	24.45	24.45	24.45	24.45	24.45	24.44	24.43	24.43	24.42	24.40	24.40	24.39	24.38	24.38	24.38	24.37	24.38	24.37	24.37	24.36	24.42	24.47	24.36
18	24.35	24.35	24.33	24.32	24.32	24.31	24.32	24.35	24.37	24.37	24.34	24.34	24.34	24.32	24.30	24.29	24.29	24.28	24.29	24.30	24.31	24.33	24.33	24.33	24.32	24.37	24.28
19	24.34	24.34	24.35	24.35	24.35	24.36	24.38	24.40	24.41	24.43	24.43	24.42	24.42	24.42	24.43	24.44	24.45	24.46	24.47	24.49	24.50	24.52	24.53	24.54	24.43	24.54	24.34
20	24.55	24.57	24.58	24.59	24.60	24.62	24.65	24.67	24.68	24.67	24.67	24.67	24.67	24.67	24.65	24.64	24.64	24.64	24.65	24.67	24.68	24.69	24.70	24.70	24.65	24.70	24.55
21	24.70	24.69	24.69	24.68	24.68	24.68	24.67	24.68	24.67	24.66	24.65	24.64	24.62	24.61	24.59	24.58	24.57	24.57	24.57	24.57	24.56	24.55	24.54	24.52	24.62	24.70	24.52
22	24.51	24.51	24.49	24.48	24.49	24.48	24.48	24.49	24.49	24.48	24.46	24.46	24.46	24.46	24.45	24.45	24.45	24.45	24.46	24.47	24.48	24.48	24.48	24.48	24.47	24.51	24.45
23	24.48	24.49	24.49	24.50	24.50	24.50	24.51	24.53	24.54	24.54	24.53	24.51	24.50	24.50	24.49	24.48	24.51	24.52	24.51	24.52	24.52	24.53	24.53	24.52	24.51	24.54	24.48
24	24.52	24.51	24.50	24.50	24.51	24.50	24.51	24.51	24.52	24.51	24.50	24.50	24.48	24.47	24.46	24.45	24.44	24.44	24.45	24.46	24.46	24.47	24.47	24.46	24.48	24.52	24.44
25	24.47	24.47	24.47	24.47	24.48	24.47	24.48	24.49	24.48	24.47	24.46	24.44	24.42	24.40	24.38	24.36	24.35	24.34	24.34	24.35	24.35	24.34	24.32	24.32	24.41	24.49	24.32
26	24.32	24.31	24.31	24.34	24.36	24.36	24.38	24.41	24.42	24.42	24.43	24.44	24.44	24.45	24.44	24.45	24.46	24.47	24.48	24.49	24.50	24.50	24.50	24.52	24.42	24.52	24.31
27	24.52	24.52	24.50	24.50	24.51	24.50	24.51	24.52	24.52	24.53	24.55	24.55	24.55	24.55	24.56	24.57	24.57	24.58	24.59	24.60	24.59	24.60	24.61	24.61	24.55	24.61	24.50
28	24.61	24.61	24.61	24.60	24.59	24.59	24.59	24.60	24.60	24.61	24.60	24.60	24.58	24.56	24.56	24.55	24.54	24.54	24.52	24.50	24.49	24.49	24.50	24.48	24.56	24.61	24.48
29	24.48	24.46	24.44	24.44	24.42	24.40	24.39	24.39	24.38	24.37	24.36	24.34	24.32	24.30	24.28	24.27	24.26	24.26	24.26	24.25	24.24	24.23	24.22	24.23	24.33	24.48	24.22
30	24.24	24.24	24.22	24.21	24.21	24.21	24.21	24.21	24.22	24.22	24.22	24.22	24.22	24.22	24.21	24.21	24.22	24.23	24.26	24.28	24.30	24.31	24.32	24.32	24.24	24.32	24.21
Avg	24.49	24.48	24.48	24.48	24.48	24.48	24.49	24.50	24.50	24.50	24.50	24.49	24.48	24.48	24.47	24.46	24.46	24.46	24.47	24.47	24.48	24.48	24.49	24.48	24.48	24.55	24.41
Max	24.71	24.70	24.69	24.69	24.70	24.71	24.73	24.74	24.76	24.77	24.77	24.77	24.77	24.77	24.77	24.76	24.76	24.75	24.75	24.75	24.74	24.73	24.72	24.72	24.74	24.77	24.68
Min	24.21	24.20	24.19	24.17	24.16	24.15	24.17	24.19	24.21	24.22	24.22	24.22	24.22	24.22	24.21	24.21	24.22	24.23	24.24	24.25	24.24	24.23	24.22	24.23	24.24	24.32	24.15

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
July 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	94.5	97.2	98.0	97.6	98.2	95.9	89.3	73.1	62.5	55.7	51.8	47.8	51.0	55.6	47.1	42.4	36.3	42.4	50.8	56.3	61.7	69.2	75.6	71.2	67.5	98.2	36.3
2	70.3	72.4	82.7	89.7	94.0	90.9	80.5	55.0	48.4	40.4	38.2	37.0	37.5	37.7	37.3	36.8	36.5	38.5	43.0	47.2	46.5	48.3	46.8	48.1	54.3	94.0	36.5
3	49.0	59.1	68.0	70.6	76.8	80.2	76.7	54.1	45.3	40.4	36.8	37.9	34.8	30.5	30.3	40.9	37.0	47.3	52.6	47.8	51.5	61.8	57.5	48.8	51.5	80.2	30.3
4	57.4	68.7	76.1	77.0	80.6	85.2	77.3	73.9	66.1	59.0	41.6	35.8	32.7	29.3	29.3	38.4	57.1	56.8	51.0	50.9	66.6	74.4	72.9	79.5	59.9	85.2	29.3
5	81.5	82.1	88.1	89.5	89.7	91.1	84.9	74.4	71.0	54.1	40.1	38.9	40.6	34.7	30.2	29.2	30.8	30.2	32.1	38.3	43.8	60.2	68.9	70.9	58.1	91.1	29.2
6	75.2	85.2	86.3	89.7	90.9	83.0	70.7	55.3	41.7	36.0	35.8	34.1	31.9	29.6	28.5	27.5	27.9	25.5	31.5	32.3	42.2	56.1	68.5	73.0	52.4	90.9	25.5
7	82.2	84.1	88.9	90.6	94.0	81.1	75.9	74.8	70.5	62.4	60.1	58.2	56.4	50.2	46.0	45.6	43.0	43.3	45.7	51.1	63.0	75.0	82.5	88.6	67.2	94.0	43.0
8	92.0	93.5	94.6	90.6	89.6	86.2	77.6	61.5	52.7	48.5	44.7	40.8	37.5	35.1	33.6	31.7	29.4	29.7	27.8	41.6	51.8	55.9	53.7	52.4	56.4	94.6	27.8
9	60.6	71.1	79.4	83.8	84.9	83.1	77.6	60.4	46.8	42.8	39.4	37.9	40.7	39.2	37.0	37.0	43.4	47.5	53.0	50.8	52.9	67.5	62.0	63.2	56.8	84.9	37.0
10	66.9	80.8	87.0	90.6	93.6	87.8	77.7	66.5	48.0	46.0	39.7	31.6	26.8	25.3	27.7	28.6	28.1	26.3	28.9	36.0	47.8	58.0	66.5	69.5	53.6	93.6	25.3
11	77.6	82.8	84.4	86.1	84.9	81.6	78.8	68.3	73.3	78.9	72.0	65.3	55.5	52.7	47.3	44.8	40.3	42.0	50.3	56.9	66.3	70.6	71.0	76.3	67.0	86.1	40.3
12	83.9	86.8	91.3	88.4	88.1	88.5	77.4	67.8	59.0	50.0	36.4	34.2	33.6	30.0	29.2	28.7	29.1	32.1	34.4	33.3	37.9	53.5	63.1	70.7	55.3	91.3	28.7
13	74.1	82.5	80.2	83.4	86.4	85.2	77.6	60.2	43.2	33.1	28.8	29.6	27.2	27.6	28.0	28.0	27.0	27.6	29.4	33.0	38.0	55.3	61.8	62.7	50.4	86.4	27.0
14	67.2	74.1	80.5	82.7	84.1	81.5	72.6	60.1	57.3	53.5	46.6	46.6	42.4	39.6	37.0	40.4	40.9	40.3	40.0	43.2	45.0	46.4	48.5	49.2	55.0	84.1	37.0
15	46.8	61.7	89.9	92.8	94.6	95.7	92.8	88.0	83.6	71.7	76.9	84.3	84.0	73.6	84.3	89.3	92.5	89.7	86.5	86.3	93.7	96.5	98.1	98.7	85.5	98.7	46.8
16	99.3	99.5	99.6	99.5	99.6	99.6	99.6	98.4	93.1	72.4	66.2	53.6	46.5	42.7	39.0	34.9	35.0	39.0	43.1	54.5	75.3	77.1	77.2	85.7	72.1	99.6	34.9
17	89.2	92.6	91.1	95.4	94.7	95.0	89.3	80.1	69.0	49.9	46.2	43.3	38.2	35.3	33.2	29.5	29.4	30.5	34.9	50.5	64.2	73.9	79.1	86.4	63.4	95.4	29.4
18	85.8	70.2	82.7	87.7	92.6	92.4	91.6	87.0	82.0	74.9	59.9	53.4	41.8	45.4	44.0	38.1	37.9	39.5	38.7	45.5	66.0	74.8	74.1	81.6	66.1	92.6	37.9
19	84.5	91.1	92.7	93.6	94.0	92.2	88.8	85.0	72.3	43.3	39.8	38.0	36.1	34.0	33.2	33.9	34.2	35.8	38.1	42.0	58.6	69.8	81.3	84.6	62.4	94.0	33.2
20	81.5	88.9	91.9	94.2	94.2	92.5	81.9	70.2	42.7	38.8	36.6	33.8	31.2	28.4	27.7	28.5	26.6	25.8	30.3	36.2	48.2	58.9	69.2	77.7	55.7	94.2	25.8
21	82.0	86.7	90.4	92.5	82.6	79.3	84.6	92.6	85.0	71.6	65.1	59.5	66.2	73.9	74.1	62.1	51.0	48.7	53.8	67.6	79.6	83.2	84.6	87.4	75.2	92.6	48.7
22	88.5	88.7	90.2	92.1	93.4	94.8	96.0	96.5	93.7	85.6	70.9	62.9	57.2	51.5	43.1	47.1	59.0	48.8	54.5	66.6	72.5	76.5	74.1	68.2	73.8	96.5	43.1
23	69.2	69.5	66.6	57.1	60.7	73.6	73.9	66.0	57.3	46.5	44.9	42.5	41.4	40.6	37.1	35.0	32.3	25.6	32.2	49.6	73.1	71.6	89.1	94.8	56.3	94.8	25.6
24	94.6	98.3	98.8	97.3	99.2	99.4	88.5	71.9	67.1	65.0	60.4	54.1	46.2	49.6	43.6	28.3	29.6	27.6	29.8	34.8	44.3	62.7	56.7	60.9	62.9	99.4	27.6
25	69.7	62.6	75.1	78.9	85.7	81.8	65.4	57.7	52.1	47.5	43.5	38.3	34.1	29.8	28.1	26.3	24.7	25.8	27.2	33.8	38.9	53.4	63.6	67.4	50.5	85.7	24.7
26	75.6	80.6	86.6	87.7	91.0	90.8	79.5	67.3	46.5	43.6	40.4	35.6	32.9	30.4	28.3	26.2	23.7	23.7	27.8	38.0	50.6	63.1	73.7	81.0	55.2	91.0	23.7
27	84.3	83.8	88.0	90.1	91.3	85.4	76.2	61.7	45.2	35.8	31.0	29.4	27.5	23.3	22.0	18.3	18.6	21.2	20.1	43.7	50.6	61.4	51.9	36.9	49.9	91.3	18.3
28	37.1	41.5	52.5	63.7	74.5	76.9	72.4	61.7	55.8	37.0	32.8	32.2	28.1	25.2	27.1	28.9	29.3	31.0	31.0	40.8	48.4	54.2	59.7	54.9	45.7	76.9	25.2
29	45.4	41.9	51.2	53.2	53.8	65.4	59.1	43.4	52.2	45.3	40.6	35.5	34.0	36.2	66.9	73.4	74.8	69.2	65.5	82.0	85.0	85.7	87.6	94.3	60.1	94.3	34.0
30	95.0	90.4	90.7	93.6	96.3	94.3	84.8	72.8	54.3	32.7	29.2	27.0	26.1	23.6	22.1	24.9	32.0	32.1	24.8	46.9	56.9	57.9	64.9	68.0	55.9	96.3	22.1
31	75.3	82.2	85.8	87.3	88.4	89.3	74.7	62.5	49.2	36.8	34.2	29.7	24.2	22.3	20.7	21.2	25.0	26.2	39.8	67.1	78.0	75.4	71.8	83.8	56.3	89.3	20.7
Avg	75.4	79.1	84.2	86.0	87.8	87.1	80.4	69.9	60.9	51.6	46.1	42.9	40.1	38.2	37.5	37.0	37.5	37.7	40.3	48.5	58.0	66.1	69.5	72.1	59.7	91.5	31.4
Max	99.3	99.5	99.6	99.5	99.6	99.6	99.6	98.4	93.7	85.6	76.9	84.3	84.0	73.9	84.3	89.3	92.5	89.7	86.5	86.3	93.7	96.5	98.1	98.7	85.5	99.6	48.7
Min	37.1	41.5	51.2	53.2	53.8	65.4	59.1	43.4	41.7	32.7	28.8	27.0	24.2	22.3	20.7	18.3	18.6	21.2	20.1	32.3	37.9	46.4	46.8	36.9	45.7	76.9	18.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
August 2014

Day	<< Hour >>																										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	88.8	89.5	91.7	91.0	91.5	90.8	81.1	65.3	53.9	38.7	26.5	23.4	36.3	38.6	28.5	27.5	25.7	27.0	33.6	40.2	50.9	50.8	46.4	63.9	54.2	91.7	23.4
2	66.9	75.6	73.9	82.6	86.7	88.4	84.9	71.3	48.3	36.1	32.6	30.3	30.9	30.9	29.2	34.7	40.6	49.0	42.7	46.4	62.6	68.9	72.1	82.3	57.0	88.4	29.2
3	86.7	86.4	89.2	92.9	93.8	91.3	82.9	79.9	65.3	54.0	46.1	36.4	32.2	30.1	31.2	29.6	25.9	32.4	40.3	48.9	63.1	72.1	76.9	76.2	61.0	93.8	25.9
4	83.2	87.2	91.9	93.6	96.5	95.2	91.1	84.2	67.8	47.9	45.4	43.7	40.8	42.0	55.4	85.3	88.0	91.0	88.6	83.1	86.0	90.1	92.1	92.8	77.6	96.5	40.8
5	92.0	91.0	94.7	94.0	95.9	96.9	93.9	83.7	72.1	64.5	58.8	57.3	57.9	51.5	50.9	66.2	54.4	52.5	59.0	67.4	78.0	87.3	90.8	90.8	75.1	96.9	50.9
6	96.2	95.7	95.6	97.1	98.1	99.0	96.3	85.3	74.0	53.7	44.4	35.7	34.7	29.2	27.8	28.0	23.1	22.6	32.6	50.7	65.3	75.4	79.7	80.5	63.4	99.0	22.6
7	83.6	90.3	87.4	90.5	93.6	93.3	91.2	81.1	63.8	47.4	44.7	38.0	31.7	26.9	25.4	27.0	30.1	28.0	40.9	52.9	62.5	69.9	75.3	76.7	60.5	93.6	25.4
8	84.2	84.2	88.7	88.2	91.3	92.3	83.3	69.4	59.2	46.5	42.5	35.2	38.8	38.7	52.0	59.1	64.0	66.1	50.0	49.1	55.5	75.3	82.5	83.7	65.8	92.3	35.2
9	84.8	89.2	90.4	93.8	96.3	97.0	89.4	77.9	67.3	58.5	46.9	39.1	30.2	30.2	33.0	33.3	30.3	28.0	33.1	58.2	64.6	64.5	59.4	56.9	60.5	97.0	28.0
10	59.7	65.7	71.4	75.9	81.8	90.2	85.3	64.6	55.8	49.4	42.3	39.3	31.8	24.6	26.3	22.6	24.2	25.6	38.6	45.3	54.3	61.9	65.8	78.2	53.4	90.2	22.6
11	77.2	82.5	82.0	84.2	89.5	87.2	82.1	67.8	52.4	45.0	30.1	25.5	25.8	26.2	24.3	23.6	20.3	22.0	29.6	42.4	47.4	54.8	54.7	61.5	51.6	89.5	20.3
12	61.5	69.1	74.7	79.6	83.0	83.1	78.6	67.5	47.7	32.6	29.4	25.9	23.0	21.5	21.0	26.4	45.2	49.7	50.4	57.3	62.3	63.6	77.0	76.2	54.4	83.1	21.0
13	63.1	69.4	76.8	79.7	77.8	82.8	86.2	77.7	54.3	47.2	43.4	39.3	35.2	32.0	24.9	23.0	19.0	25.7	40.9	48.8	50.5	47.4	49.8	59.5	52.3	86.2	19.0
14	68.5	77.2	77.1	79.5	81.9	86.5	87.0	79.0	73.3	62.8	61.4	56.3	54.3	57.2	51.3	43.2	35.9	30.0	49.7	59.7	62.7	74.4	80.5	85.3	65.6	87.0	30.0
15	86.4	91.3	91.3	91.8	94.0	96.4	92.4	78.8	70.7	55.9	51.4	45.1	29.4	34.7	66.0	54.1	46.8	43.4	50.2	65.3	75.3	82.5	89.2	95.1	69.9	96.4	29.4
16	95.4	97.7	99.1	98.8	99.5	99.5	98.2	93.5	81.9	74.7	63.3	53.3	47.4	41.8	39.0	37.4	37.8	39.1	43.3	50.6	61.7	74.7	82.6	85.9	70.7	99.5	37.4
17	88.6	89.9	93.2	95.6	95.9	96.7	93.7	87.5	73.3	60.3	51.9	49.2	45.4	43.5	42.7	45.1	44.3	43.2	48.6	58.9	67.9	75.4	84.0	89.4	69.3	96.7	42.7
18	91.9	94.7	97.7	97.5	98.4	99.0	95.4	79.1	61.6	50.7	44.0	38.9	33.7	26.2	23.9	21.4	22.9	30.1	32.9	49.2	64.0	65.0	69.3	80.8	61.2	99.0	21.4
19	87.9	88.3	89.3	92.0	94.0	93.9	85.1	72.6	59.3	41.3	36.6	32.3	27.6	26.0	25.3	27.6	29.4	45.5	57.2	56.4	77.7	78.2	81.3	89.8	62.3	94.0	25.3
20	90.9	90.6	93.3	95.8	94.6	95.9	92.8	87.1	76.8	67.4	51.5	44.8	38.8	34.5	34.3	55.0	81.2	81.6	88.5	91.9	94.4	90.4	90.8	93.3	77.3	95.9	34.3
21	93.0	92.1	93.0	92.8	95.1	97.7	96.9	89.0	85.2	74.9	69.9	73.3	76.0	72.6	61.6	64.3	66.3	66.7	68.9	78.6	81.8	87.2	87.8	90.0	81.4	97.7	61.6
22	93.9	95.4	96.9	97.1	97.6	97.7	97.4	94.9	88.5	83.3	79.6	85.6	79.3	78.8	71.1	74.0	74.0	78.6	87.3	93.2	94.7	90.3	93.2	92.2	88.1	97.7	71.1
23	94.8	97.2	96.5	96.5	96.0	96.6	96.3	95.0	94.7	94.2	95.3	91.1	83.7	83.3	82.0	81.7	85.8	86.3	88.2	89.6	91.8	90.7	90.9	92.0	91.3	97.2	81.7
24	92.0	92.6	92.4	93.2	91.3	91.4	93.1	89.7	87.2	84.5	82.0	80.0	80.0	81.6	78.4	81.3	84.0	78.2	78.7	81.2	84.9	84.6	88.0	90.6	85.9	93.2	78.2
25	93.6	96.1	96.7	96.0	96.1	96.9	93.1	87.2	79.7	70.9	62.3	60.3	56.3	51.3	51.1	50.4	51.2	50.0	51.6	75.6	80.7	86.9	89.9	92.6	75.7	96.9	50.0
26	93.8	96.0	96.9	95.8	97.3	98.5	95.7	83.4	71.8	57.8	52.6	46.5	42.4	34.2	31.9	34.6	39.5	39.1	44.6	66.1	79.9	84.2	85.2	88.6	69.0	98.5	31.9
27	91.2	96.6	97.9	98.1	98.7	98.8	97.0	83.3	66.6	48.6	44.7	41.4	39.5	37.8	36.4	34.2	33.4	34.6	42.6	63.7	72.7	78.0	82.9	87.9	66.9	98.8	33.4
28	92.4	92.5	96.6	96.9	97.5	97.2	93.9	78.6	64.0	44.9	41.5	39.3	37.1	31.2	32.3	31.9	30.8	29.6	32.1	39.6	34.6	27.4	43.5	75.4	57.5	97.5	27.4
29	84.3	90.6	96.4	95.7	96.7	97.9	98.5	84.4	68.5	56.2	44.5	39.4	37.7	34.2	30.0	31.5	30.3	30.9	39.3	63.2	71.4	81.3	85.3	85.2	65.6	98.5	30.0
30	82.1	82.5	89.1	91.9	95.0	93.9	94.1	91.5	86.0	75.3	58.4	54.1	53.2	55.1	59.5	76.7	85.8	80.2	85.4	93.4	94.0	95.1	95.9	97.0	81.9	97.0	53.2
31	97.9	99.1	99.2	99.3	99.4	99.3	99.3	98.2	81.5	69.0	64.0	57.7	61.5	55.9	52.6	55.7	59.6	53.4	57.3	66.7	79.1	90.1	91.7	95.5	78.5	99.4	52.6
Avg	85.4	88.3	90.4	91.9	93.4	94.2	91.2	81.6	69.4	57.9	51.2	47.0	44.3	42.0	41.9	44.7	46.1	47.1	52.5	62.4	70.1	74.8	78.5	83.4	67.9	94.8	37.3
Max	97.9	99.1	99.2	99.3	99.5	99.5	99.3	98.2	94.7	94.2	95.3	91.1	83.7	83.3	82.0	85.3	88.0	91.0	88.6	93.4	94.7	95.1	95.9	97.0	91.3	99.5	81.7
Min	59.7	65.7	71.4	75.9	77.8	82.8	78.6	64.6	47.7	32.6	26.5	23.4	23.0	21.5	21.0	21.4	19.0	22.0	29.6	39.6	34.6	27.4	43.5	56.9	51.6	83.1	19.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
September 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	96.3	95.6	96.0	96.0	96.1	95.5	94.3	84.4	70.0	58.4	52.9	47.7	44.3	43.2	40.3	38.3	36.9	38.1	43.5	55.4	76.1	82.7	89.1	91.1	69.3	96.3	36.9
2	92.4	93.4	94.1	95.3	94.7	94.9	93.9	86.4	70.7	49.2	43.2	37.2	31.9	32.4	31.2	29.4	28.0	28.2	40.1	60.8	68.6	74.6	80.3	81.1	63.8	95.3	28.0
3	87.4	90.9	90.9	90.5	90.9	91.2	88.6	80.2	54.6	48.7	53.5	59.0	45.8	33.3	31.6	32.4	34.2	37.1	45.6	52.5	58.4	77.4	84.5	86.6	64.4	91.2	31.6
4	87.3	89.5	90.5	91.0	90.6	91.3	90.8	87.1	78.6	67.2	61.3	53.7	48.6	45.8	44.1	41.4	40.2	38.8	48.9	75.4	81.2	88.6	90.9	87.4	71.3	91.3	38.8
5	88.7	91.1	93.9	94.7	95.1	94.7	90.3	77.7	67.0	48.5	37.7	37.7	36.1	30.3	30.6	25.6	24.2	29.3	43.2	65.0	70.9	77.1	83.8	89.9	63.5	95.1	24.2
6	92.2	93.1	92.7	93.7	93.6	94.6	88.1	73.0	57.8	36.7	30.0	27.6	25.6	24.3	22.9	21.1	21.3	20.9	32.6	57.1	62.6	74.0	75.5	76.0	57.8	94.6	20.9
7	79.5	81.6	85.6	85.4	88.3	89.0	84.6	74.9	55.4	31.7	27.0	24.6	21.8	19.3	16.7	18.0	16.3	15.2	19.2	34.6	49.5	57.9	63.5	69.2	50.4	89.0	15.2
8	74.0	78.7	81.5	83.7	84.5	84.4	85.1	66.6	48.6	30.4	24.6	22.5	20.7	19.2	16.8	14.0	12.7	19.4	36.4	52.9	73.6	88.1	95.3	97.1	54.6	97.1	12.7
9	98.7	97.5	97.1	97.3	96.8	97.6	97.7	93.6	81.3	76.9	74.0	69.3	66.9	68.0	67.2	67.6	76.3	80.9	84.5	81.6	81.0	83.5	89.9	92.2	84.1	98.7	66.9
10	95.5	96.9	97.7	98.2	98.4	98.5	98.4	96.0	95.0	95.8	93.7	86.5	85.0	89.5	88.1	83.8	89.6	87.3	85.6	90.9	93.2	94.2	96.7	93.2	92.8	98.5	83.8
11	87.7	86.9	90.5	91.8	91.8	90.9	87.6	81.5	71.4	64.3	77.5	74.6	72.5	62.8	62.7	62.1	60.8	66.7	76.2	84.2	86.1	87.9	89.2	91.5	79.1	91.8	60.8
12	93.2	93.0	92.9	92.5	92.0	91.9	90.9	89.1	68.6	52.8	47.0	38.1	32.7	25.4	22.6	22.5	20.9	26.0	41.6	55.4	63.2	61.7	67.1	68.8	60.4	93.2	20.9
13	73.1	76.2	77.2	78.0	82.6	86.6	86.3	84.7	77.3	70.1	68.0	61.3	52.5	54.7	49.1	41.9	37.6	44.0	64.3	67.6	71.8	74.4	77.8	80.0	68.2	86.6	37.6
14	81.0	83.5	87.7	91.4	94.9	95.5	92.5	78.8	69.1	56.0	45.0	37.1	33.2	27.8	24.5	26.0	28.2	31.7	47.0	64.1	74.8	83.6	80.4	81.4	63.1	95.5	24.5
15	79.9	82.1	85.9	88.8	94.5	96.3	92.9	79.6	70.7	52.7	41.8	33.7	28.3	23.4	21.6	19.3	17.6	18.8	30.6	54.8	61.4	63.1	68.5	79.5	57.7	96.3	17.6
16	83.1	83.5	86.2	86.9	87.0	85.8	84.9	73.0	57.4	39.7	27.2	24.6	25.1	24.3	25.3	26.8	32.3	41.7	57.7	61.5	69.0	69.9	69.0	80.3	58.4	87.0	24.3
17	83.7	85.4	87.0	90.8	90.6	91.0	96.8	89.1	74.0	52.3	39.5	36.4	31.8	27.5	27.3	29.6	34.2	37.4	45.4	56.2	60.7	65.1	70.0	77.8	61.6	96.8	27.3
18	81.5	80.7	77.9	78.9	85.6	85.1	85.2	75.8	74.3	73.5	58.8	58.8	60.1	59.9	57.8	52.7	54.6	60.8	72.6	83.9	86.1	86.8	86.5	91.9	73.7	91.9	52.7
19	93.7	94.8	95.8	96.3	96.2	86.5	80.3	70.6	64.3	61.2	55.1	48.2	44.5	42.2	42.3	43.7	44.2	44.7	47.7	51.7	57.8	58.8	70.1	79.7	65.4	96.3	42.2
20	87.1	91.7	92.8	95.8	95.1	97.7	96.2	87.2	78.0	53.9	44.0	37.7	34.4	31.6	30.6	28.9	28.9	29.8	47.7	61.8	73.0	77.8	84.3	87.5	65.6	97.7	28.9
21	91.3	93.1	91.7	94.5	93.5	95.2	92.2	83.7	68.8	47.3	44.2	39.3	36.7	35.6	34.1	36.7	43.7	48.0	53.3	57.2	58.8	65.6	67.3	73.2	64.4	95.2	34.1
22	80.8	83.4	85.7	88.1	91.1	92.5	91.6	79.9	62.4	49.9	44.9	43.4	45.0	44.9	43.9	46.6	52.4	61.0	65.8	75.3	81.7	85.8	87.9	94.4	69.9	94.4	43.4
23	95.1	97.7	98.2	98.7	98.9	99.2	99.0	97.9	83.2	55.1	44.0	38.5	34.9	34.4	33.2	31.9	48.7	75.8	82.6	88.6	90.6	94.2	94.6	97.2	75.5	99.2	31.9
24	97.0	96.4	97.5	95.3	96.8	98.4	98.8	95.7	85.5	54.8	36.3	34.1	26.9	21.2	20.6	22.5	24.3	25.0	30.7	42.2	50.4	55.3	61.2	67.0	59.7	98.8	20.6
25	69.7	74.1	74.4	76.0	84.0	88.8	89.1	76.6	58.1	32.9	20.8	17.7	17.6	18.2	18.6	19.0	18.6	20.1	29.7	38.0	40.2	45.4	51.1	55.1	47.2	89.1	17.6
26	59.6	61.3	55.8	59.3	60.1	70.1	72.5	63.1	46.3	45.6	43.9	55.2	54.8	46.9	44.1	40.8	41.7	46.1	60.8	70.1	69.8	70.2	59.5	66.7	56.8	72.5	40.8
27	91.0	94.6	95.6	96.8	97.5	95.0	95.4	92.2	84.9	87.2	89.5	91.9	93.4	94.3	93.8	93.2	93.8	90.8	87.5	82.5	82.3	82.4	84.8	88.4	90.8	97.5	82.3
28	89.0	87.2	82.2	86.5	84.4	80.3	81.5	78.7	77.8	80.6	70.2	68.8	72.2	83.4	86.7	84.2	78.5	80.4	82.9	80.3	78.9	79.2	83.4	82.0	80.8	89.0	68.8
29	86.1	87.4	87.5	89.1	89.4	90.0	90.5	89.3	84.6	79.7	73.4	73.0	72.5	67.3	58.6	64.8	63.8	71.0	77.0	79.4	90.4	89.9	86.8	81.8	80.1	90.5	58.6
30	78.7	81.6	84.0	82.6	83.5	86.6	90.4	87.3	82.3	82.2	81.7	79.1	81.4	79.9	64.5	54.9	58.4	68.2	85.2	90.7	90.6	90.9	93.3	94.0	81.3	94.0	54.9
Avg	85.8	87.4	88.2	89.5	90.6	91.2	90.2	82.5	70.6	57.8	51.7	48.6	45.9	43.7	41.7	40.7	42.1	46.1	55.5	65.7	71.8	76.2	79.4	82.7	67.7	93.3	38.3
Max	98.7	97.7	98.2	98.7	98.9	99.2	99.0	97.9	95.0	95.8	93.7	91.9	93.4	94.3	93.8	93.2	93.8	90.8	87.5	90.9	93.2	94.2	96.7	97.2	92.8	99.2	83.8
Min	59.6	61.3	55.8	59.3	60.1	70.1	72.5	63.1	46.3	30.4	20.8	17.7	17.6	18.2	16.7	14.0	12.7	15.2	19.2	34.6	40.2	45.4	51.1	55.1	47.2	72.5	12.7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
July 2014

Day	<< Hour >>																								Tot	Max
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.060	0.190	0.110	0.070	0.010	0.000	0.000	0.000	0.000	0.030	0.010	0.000	0.000	0.100	0.070	0.080	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.760	0.190
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.080	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.140	0.080
22	0.010	0.010	0.000	0.000	0.000	0.020	0.060	0.110	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.220	0.110
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.000	0.000	0.000	0.040	0.020
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.030
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.010	0.070	0.190	0.110	0.070	0.030	0.110	0.190	0.010	0.000	0.030	0.010	0.000	0.000	0.130	0.090	0.080	0.030	0.000	0.020	0.020	0.000	0.010	0.000	1.210	0.000
Max	0.010	0.060	0.190	0.110	0.070	0.020	0.060	0.110	0.010	0.000	0.030	0.010	0.000	0.000	0.100	0.070	0.080	0.030	0.000	0.020	0.020	0.000	0.010	0.000	0.760	0.190

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
August 2014

Day	<< Hour >>																								Tot	Max
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.390	0.340	0.190	0.150	0.030	0.000	0.000	0.000	0.000	0.000	1.100	0.390
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.010
9	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.010
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.180	0.000	0.030	0.210	0.180
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.020	0.000	0.000	0.070	0.050
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.030
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.070	0.130	0.070	0.020	0.140	0.100	0.050	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.060	0.030	0.000	0.020	0.000	0.750	0.140
23	0.080	0.050	0.080	0.030	0.060	0.080	0.020	0.020	0.040	0.070	0.100	0.070	0.020	0.020	0.010	0.000	0.010	0.010	0.000	0.010	0.000	0.010	0.000	0.010	0.800	0.100
24	0.010	0.020	0.010	0.010	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.020
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.020
30	0.020	0.000	0.000	0.000	0.000	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.090	0.030
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010
Tot	0.180	0.210	0.160	0.060	0.200	0.210	0.080	0.020	0.060	0.080	0.100	0.070	0.030	0.020	0.420	0.400	0.230	0.160	0.080	0.070	0.080	0.220	0.030	0.060	3.230	0.000
Max	0.080	0.130	0.080	0.030	0.140	0.100	0.050	0.020	0.040	0.070	0.100	0.070	0.020	0.020	0.390	0.340	0.190	0.150	0.050	0.060	0.050	0.180	0.020	0.030	1.100	0.390

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
September 2014

Day	<< Hour >>																								Tot	Max
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.010	0.030	0.020	0.020	0.030	0.010	0.000	0.000	0.010	0.060	0.010	0.000	0.060	0.050	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.320	0.060
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.020
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.030	0.030
27	0.050	0.080	0.010	0.060	0.150	0.030	0.010	0.070	0.030	0.030	0.070	0.060	0.060	0.060	0.040	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.820	0.150
28	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.050	0.020	0.070	0.030	0.010	0.020	0.210	0.070
Tot	0.060	0.120	0.030	0.080	0.190	0.040	0.010	0.070	0.040	0.100	0.080	0.060	0.130	0.110	0.050	0.010	0.020	0.010	0.050	0.020	0.070	0.030	0.010	0.050	1.440	0.000
Max	0.050	0.080	0.020	0.060	0.150	0.030	0.010	0.070	0.030	0.060	0.070	0.060	0.060	0.060	0.040	0.010	0.020	0.010	0.050	0.020	0.070	0.030	0.010	0.030	0.820	0.150

APPENDIX B: PERFORMANCE AUDIT REPORTS THIRD QUARTER 2014

BISON
ENGINEERING, INC.

Bison Engineering

Preliminary Meteorological Parameters Audit Form

Audit Dates: 10/07/2014 Audit Start Time : 10:42 Audit End Time : 14:45 MST
Client: Tintina Resources
Site: Black Butte
AUDITOR: Steve Heck STATION OPERATOR: Jeff Bell

Temperature

Audit Device
Met One 060A-2 temperature probe certified against Control Company - digital thermometer Model 4000
Meter S/N: 130236679 Temperature Sensor: Climatronics 100093
Last certified: 4/24/2013 S/N 8263 (Upper), S/N 8255 (Lower)

Temperature bath results

Audit Value °C	9m DAS Value °C	9m DAS Diff. °C	2m DAS Value °C	2m DAS Diff. °C	9m - 2m DAS Diff. °C
0.05	0.22	0.17	0.24	0.19	-0.02
19.64	19.59	-0.05	19.60	-0.04	-0.01
36.97	37.14	0.17	37.14	0.17	0.00

Wind Direction

Sensor height: 9 Meter
Sensor (Make/model number): Climatronics/ 102083
Serial Number : K2336C
Crossarm orientation (from solar sighting): 1.4 / 181.4
Location used for solar calculation
N 46 deg 46 min, W 110 deg 53 min
Calculated sun azimuth at 1013 MST
144.9 degrees
Sensor response aligned with crossarm (as found): 1.4
Sensor response aligned with crossarm (as left): 0.9

Linearity Audit Device: Climatronics 101966, SN 70

Threshold Torque: 0.05 oz.-in.
(Waters Model 366-1 torque watch)

Setpoint	Linearity Check from DAS Clockwise	Counter-CW	Diff CW	Diff CCW
0	0.1	0.1	0.1	0.1
30	29.6	29.5	-0.4	-0.5
60	58.9	58.8	-1.1	-1.2
90	88.4	88.3	-1.6	-1.7
120	118.2	118.1	-1.8	-1.9
150	148.1	148.1	-1.9	-1.9
180	178.2	178.1	-1.8	-1.9
210	208.4	208.2	-1.6	-1.8
240	238.3	238.3	-1.7	-1.7
270	268.7	268.6	-1.3	-1.4
300	299.2	299.1	-0.8	-0.9
330	329.5	329.4	-0.5	-0.6
		Max Diff	**-1.9**	**-1.9**

Wind Speed

Sensor height:: 9 Meter
Sensor (Make/model number): Climatronics 102083
Serial Number : K2336C
Calibration device: Weathertronics 300 rpm synchronous motor
Weathertronics 600 rpm synchronous motor

Synchronous motor checks

Threshold Torque: <0.003 oz.-in.
(Waters Model 366-3 torque watch)

Known Value RPM	Known Value m/s	DAS Value m/s	DAS Diff. m/s
0	0.22	0.22	0.00
300	6.68	6.68	0.02
600	13.09	13.18	0.09

Relative Humidity

Audit Device: Assmann Psychrometer, thermometer calibrations checked November 2013

Audit Dry-Bulb:	16.3	BP = 24.39 in. Hg
Audit Wet-Bulb	10.2	
Audit RH:	49.5	%RH
Station RH:	51.1	%RH
Diff:	1.6	%RH

Barometric Pressure

Audit Device: Wallace & Tiernan Model FA185260, S/N LL03297.
Checked against Bison Mercury barometer (Butte) on 03/12/2014

Audit Value:	24.39	in Hg
Station Value:	24.44	in Hg
Diff:	0.05	in Hg

Precipitation

Rain Gauge = Met One Model 375
Level checked OK
Wind Screen in place
8" opening

559 ml water added
Calibration is 8.24 ml per tip
Known audit value is 559 / 8.24 = 67.8 tips (so 67 full tips expected)

Unit registered 64 tips
% difference from expected = -4.5%

Signature of Calibrator :

TINTINA RESOURCES, INC.
BLACK BUTTE COPPER PROJECT AMBIENT AIR MONITORING PROGRAM
Quarterly Data Report
Fourth Quarter 2014

Prepared for:

Tintina Resources, Inc.
17 East Main St
White Sulphur Springs, MT 59645

Prepared by:

Bison Engineering, Inc.
1111 Maggie Lane
Billings, MT 59101
(406) 896-1716
http://www.bison-eng.com

February 3, 2015

CERTIFICATION OF DATA INTEGRITY

Bison Engineering, Inc., certifies the data in this report is an accurate summary of the air quality conditions measured at the Black Butte Copper Project air monitoring site. Every effort was made to obtain accurate and representative data and to comply with the procedures set forth in the project-specific *Quality Assurance Project Plan*, the *State of Montana Ambient Air Monitoring Program Quality Assurance Project Plan (April 2013)*, and the Environmental Protection Agency's *Quality Assurance Handbook for Air Pollution Measurement Systems: Volume I, A Field Guide to Environmental Quality Assurance (April 1994), Volume II, Ambient Air Quality Program (May 2013), and Volume IV, Meteorological Measurements (March 2008).*

Preparer: Jeffrey S. Bell

Signature: Jeffrey S Bell

Title: Senior Field Technician

Date: 1/13/15

Reviewer: Rebecca L. Picchioni, P.E.

Signature: Rebecca L Picchioni

Title: Project Engineer

Date: 1/28/15

TABLE OF CONTENTS

CERTIFICATION OF DATA INTEGRITY ii

1.0 INTRODUCTION 1

2.0 MONITORING SYSTEM OPERATIONS 3

3.0 CALIBRATION DATA 4

4.0 PERFORMANCE AUDIT DATA 5

5.0 DATA COMPLETENESS 6

6.0 MONITORING DATA 12

LIST OF TABLES

Table 1. Monthly Data Completeness 7
Table 2. Quarterly Data Completeness 10
Table 3. Periods of Missing Data 11
Table 4. Missing Data Codes 13
Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 14
Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 15
Table 7. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 16
Table 8. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower 17

LIST OF FIGURES

Figure 1. Monitoring Site Location 2
Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower 18
Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower 19
Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower 20
Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower 21

APPENDICES

Appendix A: Meteorological Data
Appendix B: Performance Audit Reports

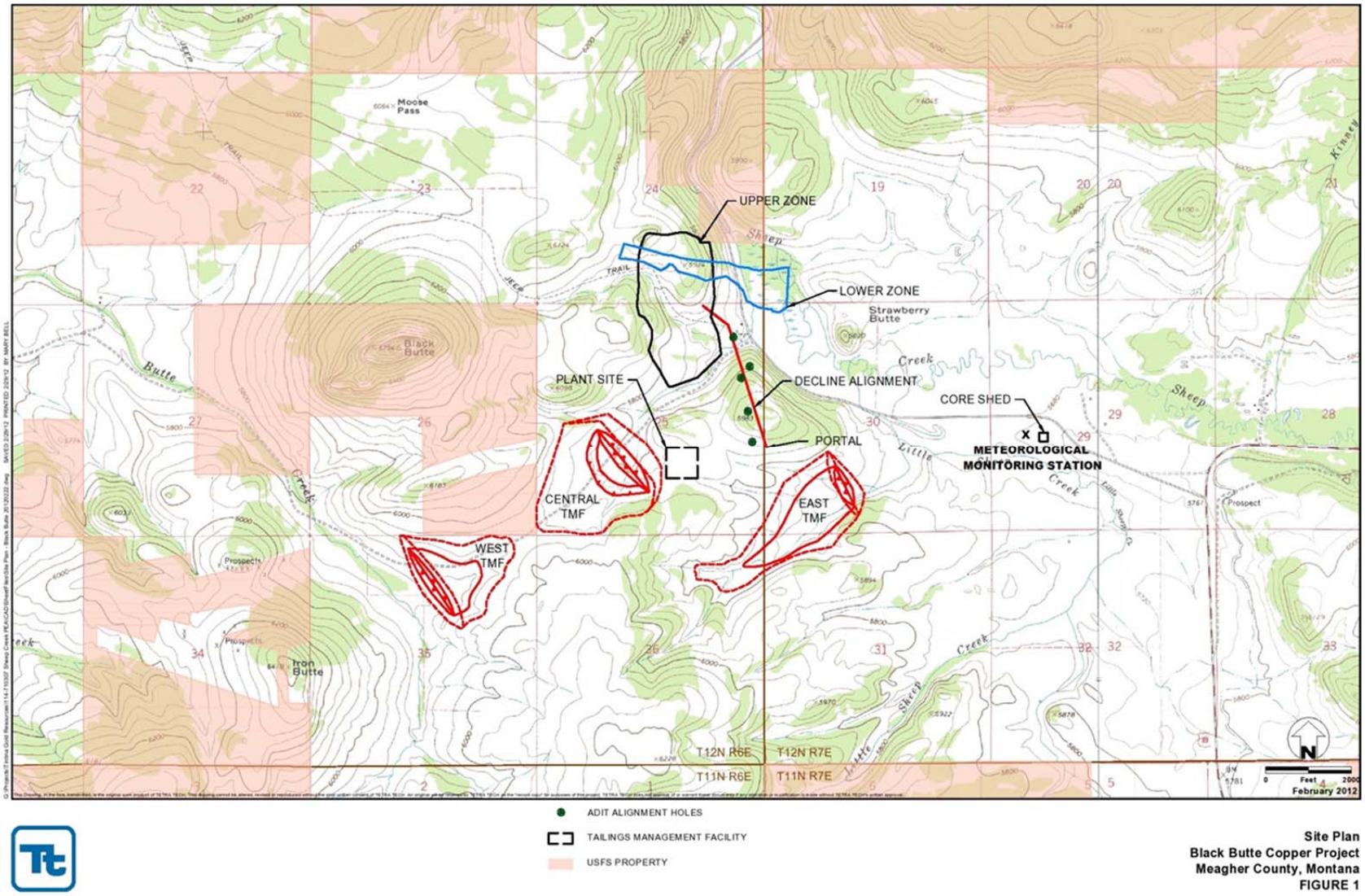
1.0 INTRODUCTION

Tintina Resources, Inc. established an ambient air monitoring site to measure wind speed, wind direction, standard deviation of wind direction, temperature at 9 meters and 2 meters, delta temperature, solar radiation, barometric pressure, and precipitation. The station was established to accurately characterize the local meteorology and collect baseline data in support of an operating permit application and various environmental studies.

The meteorological monitoring system was installed in April 2012. The site is operated by Bison Engineering, Inc., of Helena and Billings. Figure 1 shows the location of the monitoring site.

This report presents the data collected during the fourth quarter (October through December) of 2014. In addition, a description of the monitoring system operations is presented, together with summaries of quality assurance activities, including calibrations and performance audits. Tabular summaries of the data completeness achieved and the periods of missing data also are presented. Appendix A presents hourly meteorological data collected.

Figure 1. Monitoring Site Location



2.0 MONITORING SYSTEM OPERATIONS

The installation of the monitoring meteorological system equipment took place in April 2012, soon after the equipment was received from the manufacturers. The installation and calibration of the equipment required about two weeks to complete. All meteorological parameters were in full operation and producing valid data by April 30, 2012.

The scheduled third quarter audits were not performed until October 7; those results were documented in the third quarter report. Jeff Bell of Bison Engineering, Inc. (Bison) conducted the scheduled fourth quarter performance audits of the meteorological system on December 19. The relative humidity audit could not be done because below-freezing temperatures prevented the collection of accurate wet-bulb temperature measurements at the time of the audit. In general the audits produced results within the recommended tolerance limits, as discussed in Section 4.0. The Bison report of the audits is presented in Appendix B.

The hourly precipitation data from November 27 onward is considered suspect due to a malfunctioning sensor heater discovered during the December 19 audit. This caused frozen precipitation to accumulate in the gauge, and not trickle into the tipping bucket assembly until ambient temperatures rose above freezing. Those hourly data were invalidated. However, the hourly data were totalized to provide an approximate lower boundary for total monthly precipitation in November (1.20 inches) and December (0.75 inches).

3.0 CALIBRATION DATA

As discussed in Section 4.0, the system's as-found condition was audited on December 19. No calibration adjustments were made based on those results.

4.0 PERFORMANCE AUDIT DATA

Jeff Bell of Bison conducted performance audits of the meteorological system on December 19. Results were satisfactory with the following caveats:

- The relative humidity sensor could not be audited due to very low temperatures, but appears to be working properly based on regular online data reviews.
- It was discovered at the time of the audit that the precipitation gauge's heater was not working. However, the precipitation gauge's calibration was found to be satisfactory.
- The individual temperature sensor audit results were both within the +/- 0.50 °C audit criterion. The delta temperature audit results exceeded the +/- 0.10 °C audit criterion, but likely reflect difficulty in maintaining stable, homogeneous test conditions during cold, windy weather. Remote data reviews have consistently shown reasonable delta temperature readings.

The Bison report of the audits is presented in Appendix B.

5.0 DATA COMPLETENESS

The meteorological percentages of data recovery achieved during the fourth quarter of 2014 are given in Tables 1 and 2. In these tables, the number of possible data values during each month of the quarter is given, together with the number of valid readings and the number of hours spent on quality assurance activities (such as calibrations, performance audits, and maintenance on the sensors). The quality assurance hours are added to the number of hours of valid data to compute the net percentage data recovery.

During the fourth quarter the net percentage data recovery was 97.5 for wind speed, and 97.2 for wind direction and standard deviation. The loss of data was due to freezing of the sensor cups and/or vanes during cold, wet conditions. The net percentage data recovery was 62.0 percent for precipitation. The loss of data was due to failure of the heater which caused hourly values to be unreliable after November 26. The net percentage data recovery was 98.1 percent for all other parameters at the site. The loss of data was due to a power failure at the site.

Table 1. Monthly Data Completeness

October 2014					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	740	99.5	4	100.0
Wind Direction	744	740	99.5	4	100.0
Standard Deviation	744	740	99.5	4	100.0
Temperature 9 Meters	744	740	99.5	4	100.0
Temperature 2 Meters	744	740	99.5	4	100.0
Temperature Delta T	744	740	99.5	4	100.0
Solar Radiation	744	740	99.5	4	100.0
Barometric Pressure	744	740	99.5	4	100.0
Relative Humidity	744	740	99.5	4	100.0
Precipitation	744	742	99.7	2	100.0
Total	7,440	7,402	99.5	38	100.0

Table 1. Monthly Data Completeness (Continued)

November 2014					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	720	720	100.0	0	100.0
Wind Direction	720	713	99.0	0	99.0
Standard Deviation	720	713	99.0	0	99.0
Temperature 9 Meters	720	720	100.0	0	100.0
Temperature 2 Meters	720	720	100.0	0	100.0
Temperature Delta T	720	720	100.0	0	100.0
Solar Radiation	720	720	100.0	0	100.0
Barometric Pressure	720	720	100.0	0	100.0
Relative Humidity	720	720	100.0	0	100.0
Precipitation	720	624	86.7	0	86.7
Total	7,200	7,090	98.5	0	98.5

Table 1. Monthly Data Completeness (Continued)

December 2014					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	685	92.1	4	92.6
Wind Direction	744	685	92.1	4	92.6
Standard Deviation	744	685	92.1	4	92.6
Temperature 9 Meters	744	698	93.8	4	94.4
Temperature 2 Meters	744	698	93.8	4	94.4
Temperature Delta T	744	698	93.8	4	94.4
Solar Radiation	744	698	93.8	4	94.4
Barometric Pressure	744	698	93.8	4	94.4
Relative Humidity	744	698	93.8	4	94.4
Precipitation	744	0	0.0	0	0.0
Total	7,440	6,243	83.9	36	84.4

Table 2. Quarterly Data Completeness

Fourth Quarter 2014					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	2,208	2,145	97.1	8	97.5
Wind Direction	2,208	2,138	96.8	8	97.2
Standard Deviation	2,208	2,138	96.8	8	97.2
Temperature 9 Meters	2,208	2,158	97.7	8	98.1
Temperature 2 Meters	2,208	2,158	97.7	8	98.1
Temperature Delta T	2,208	2,158	97.7	8	98.1
Solar Radiation	2,208	2,158	97.7	8	98.1
Barometric Pressure	2,208	2,158	97.7	8	98.1
Relative Humidity	2,208	2,158	97.7	8	98.1
Precipitation	2,208	1,366	61.9	2	62.0
Total	22,080	20,735	93.9	74	94.2

Table 3. Periods of Missing Data

Fourth Quarter 2014						
Starting Date/Hour	Ending Date/Hour	Site	Parameter	Total Hours	Percent of Quarter	Circumstance
Nov 26/6	Nov 26/12	Met Tower	Wind Dir, Std Dev	7	0.32	Missing data: Frozen sensor
Nov 27/1	Dec 31/24	Met Tower	Precip	840	38.04	Missing data: Broken heater
Dec 5/22	Dec 6/10	Met Tower	Wind Speed, Wind Dir, Std Dev	13	0.59	Missing data: Frozen sensor
Dec 15/20	Dec 17/13	Met Tower	All	42	2.01	Missing data: Power failure

6.0 MONITORING DATA

The hourly data values collected at the monitoring sites are given in the data tables in Appendix A. Each of these tables presents one month's data for all parameters in the monitoring system. In addition, the average, maximum, and minimum values for each parameter for each day are listed (for wind direction, the prevailing wind direction for the day is given). For those hours with missing data, a code is given that explains the reason the data were missing. These codes are given in Table 4.

Monthly and quarterly wind rose distributions from the monitoring site are presented in Tables 5 through 8. These tables give the percentage frequency of occurrence of winds from 16 cardinal directions and from 22 wind speed ranges. These same data are presented graphically in Figures 2 through 5. In the wind rose figures, the length of each "petal" of the rose is proportional to the percentage of time the wind blew from that direction. On the bottom of each figure is a histogram showing the average wind speed from each of the cardinal wind directions.

Table 4. Missing Data Codes

Mnemonic Code	Description	Equivalent EPA Null Value Reason Code
Sc	Scheduled but not collected	9972
Ti	Sample time out of limits	9973
Fi	Filter damage	9976
Op	Voided by operator	9978
ND	Machine malfunction	9980
Wx	Bad weather	9981
Co	Collection error	9983
Lb	Lab error	9984
QA	Poor quality assurance results	9985
Pwr	Power failure	9988
Wi	Wildlife damage	9989
AZ	Automatic zero/span check	9991
ZS	Manual zero/span check	9986
Au	Performance audit	9992
Ma	Routine maintenance/repairs	9993
Ca	Multipoint calibration	9995
PZ	Precision/zero/span	9998

Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

October 2014																	
Direction>>>		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.4	0.8	0.8	1.1	1.1	0.9	1.6	1.4	0.8	0.1	0.3	0.0	0.3	0.1	0.4	0.8	10.9
	1.1 - 2.0	0.3	0.5	1.8	2.4	4.1	6.8	4.5	1.8	0.9	0.4	0.1	0.1	0.3	0.8	0.4	0.4	25.5
	2.1 - 3.0	0.1	0.3	0.3	1.2	3.0	3.4	2.3	1.4	0.5	0.1	0.9	0.8	0.8	2.2	0.7	0.3	18.2
	3.1 - 4.0	0.0	0.0	0.1	0.5	1.2	0.1	0.3	1.4	0.1	0.8	0.9	0.8	1.9	2.3	1.1	0.5	12.2
	4.1 - 5.0	0.1	0.0	0.0	0.0	0.4	0.3	0.1	1.1	0.9	0.7	0.7	1.1	1.5	2.0	0.8	0.1	9.9
	5.1 - 6.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.9	0.8	0.4	0.3	2.7	1.4	0.3	0.3	8.0
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.9	0.4	0.3	0.3	0.5	3.5	0.3	0.5	0.3	7.2
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.1	0.4	0.4	0.5	1.8	0.8	0.0	0.0	4.6
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	1.4	0.4	0.1	0.0	2.3
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.3	0.1	0.0	0.8
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.4
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm																		0.0
Total		1.1	1.6	3.0	5.3	9.7	11.5	9.2	8.9	5.0	4.1	4.1	4.3	14.6	10.5	4.5	2.7	100.0
Average Speed		2.3	1.2	1.4	1.8	2.1	1.8	1.9	3.4	3.7	5.0	4.0	4.7	5.8	4.4	4.0	2.8	3.4

Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

November 2014																	
Direction>>>		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.4	1.1	1.5	1.8	1.7	1.8	3.1	1.4	0.6	0.7	0.3	0.3	0.3	0.6	0.8	1.1	18.5
	1.1 - 2.0	0.6	1.3	0.8	1.5	2.5	3.1	3.9	2.2	0.4	0.6	0.7	0.4	1.0	0.8	0.6	1.1	21.6
	2.1 - 3.0	0.0	0.3	0.6	0.6	0.6	0.8	0.1	0.1	0.7	0.0	0.6	1.7	1.5	1.7	1.4	0.4	11.1
	3.1 - 4.0	0.4	0.1	0.0	0.0	0.1	0.0	0.4	0.6	1.4	0.6	0.1	2.1	2.8	2.1	0.6	1.5	12.9
	4.1 - 5.0	0.4	0.0	0.0	0.0	0.1	0.1	0.1	0.6	0.4	1.4	0.1	0.8	4.2	2.0	0.4	0.3	11.1
	5.1 - 6.0	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.4	0.4	1.3	1.7	4.6	0.8	0.4	0.1	10.7
	6.1 - 7.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.4	2.9	1.7	0.1	0.6	7.3
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.1	1.4	0.7	0.1	0.0	2.8
	8.1 - 9.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.1	0.0	0.3	1.8
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	0.3	0.1	0.0	1.1
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.3
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm																		0.0
Total		3.4	3.1	2.9	3.9	5.0	5.9	8.1	5.2	3.9	4.1	4.2	7.9	21.5	10.8	4.6	5.5	100.0
Average Speed		2.8	1.8	1.2	1.3	1.4	1.5	1.6	2.1	3.1	3.6	4.5	4.1	5.4	4.3	3.1	3.1	3.4

Table 7. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

December 2014																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.6	0.6	1.7	1.5	2.2	2.9	3.6	2.8	2.0	0.7	0.4	0.6	0.7	1.5	1.9	1.6	25.3
	1.1 - 2.0	1.5	0.9	1.2	2.2	4.1	4.1	6.8	3.1	1.0	0.6	0.6	0.9	0.7	1.0	1.0	1.2	30.7
	2.1 - 3.0	0.1	0.4	0.3	1.2	2.3	1.9	1.7	0.7	0.7	0.4	0.3	0.3	1.0	1.2	0.6	0.1	13.4
	3.1 - 4.0	0.1	0.0	0.0	0.3	0.9	0.9	0.7	0.6	0.4	0.1	0.3	0.9	1.7	0.9	0.6	0.7	9.2
	4.1 - 5.0	0.9	0.0	0.0	0.0	1.0	0.1	0.1	0.7	0.1	0.4	0.0	0.0	2.0	1.7	0.7	0.3	8.3
	5.1 - 6.0	0.1	0.0	0.0	0.0	0.6	0.0	0.0	0.1	0.3	0.4	0.0	0.1	1.2	0.9	0.9	0.6	5.2
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.6	0.9	0.7	0.7	4.2
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	1.0	0.0	0.3	0.0	1.9
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	0.3	0.0	0.0	1.0
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.6
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	3.3	1.9	3.2	5.1	11.0	9.9	13.1	8.0	4.9	2.9	1.9	3.2	11.0	8.6	6.7	5.2	100.0
	Average Speed	2.4	1.5	1.2	1.6	2.2	1.7	1.5	1.8	2.2	3.0	2.5	3.0	4.9	3.8	3.2	2.8	2.5

Table 8. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower

Fourth Quarter 2014																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.8	0.8	1.4	1.4	1.6	1.9	2.8	1.8	1.1	0.5	0.3	0.3	0.4	0.7	1.0	1.2	18.1
	1.1 - 2.0	0.7	0.9	1.3	2.1	3.5	4.7	5.0	2.3	0.8	0.5	0.5	0.5	0.7	0.9	0.7	0.9	25.9
	2.1 - 3.0	0.1	0.3	0.4	1.0	2.0	2.1	1.4	0.7	0.7	0.2	0.6	0.9	1.1	1.7	0.9	0.3	14.3
	3.1 - 4.0	0.2	0.0	0.0	0.3	0.7	0.3	0.5	0.8	0.7	0.5	0.5	1.3	2.1	1.8	0.7	0.9	11.4
	4.1 - 5.0	0.5	0.0	0.0	0.0	0.5	0.2	0.1	0.8	0.5	0.8	0.3	0.7	2.6	1.9	0.7	0.2	9.8
	5.1 - 6.0	0.1	0.0	0.0	0.0	0.2	0.0	0.2	0.3	0.6	0.6	0.6	0.7	2.8	1.0	0.5	0.3	8.0
	6.1 - 7.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.2	0.4	0.4	2.7	0.9	0.5	0.5	6.3
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.2	0.3	0.3	1.4	0.5	0.1	0.0	3.1
	8.1 - 9.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.3	0.0	0.1	1.7
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.1	0.0	0.8
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.5
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	2.6	2.2	3.0	4.8	8.6	9.1	10.1	7.4	4.6	3.7	3.4	5.1	15.7	10.0	5.2	4.4	100.0
	Average Speed	2.6	1.6	1.3	1.6	2.0	1.7	1.7	2.5	3.0	4.0	3.9	4.1	5.4	4.2	3.4	2.9	3.1

Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower

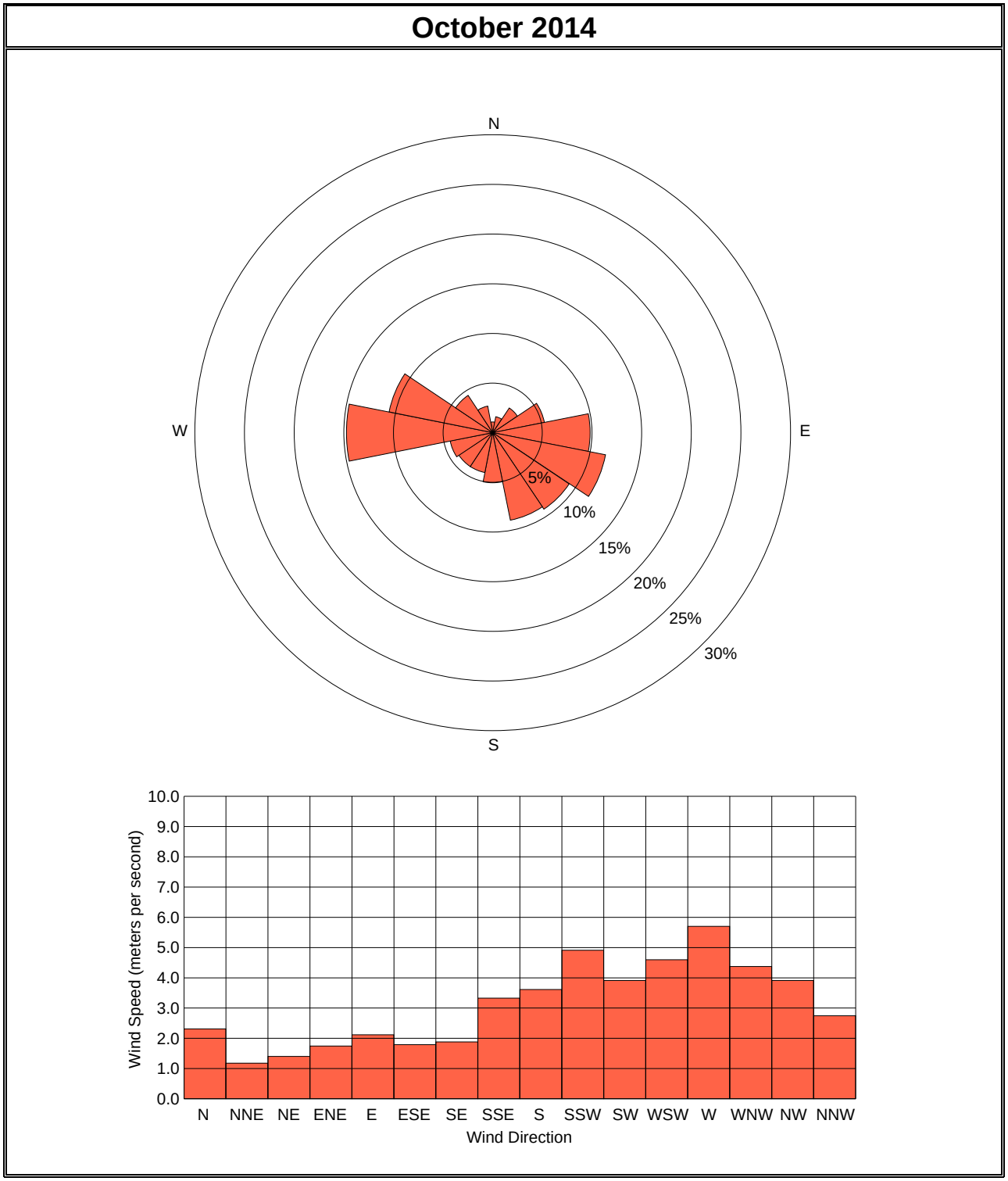


Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower

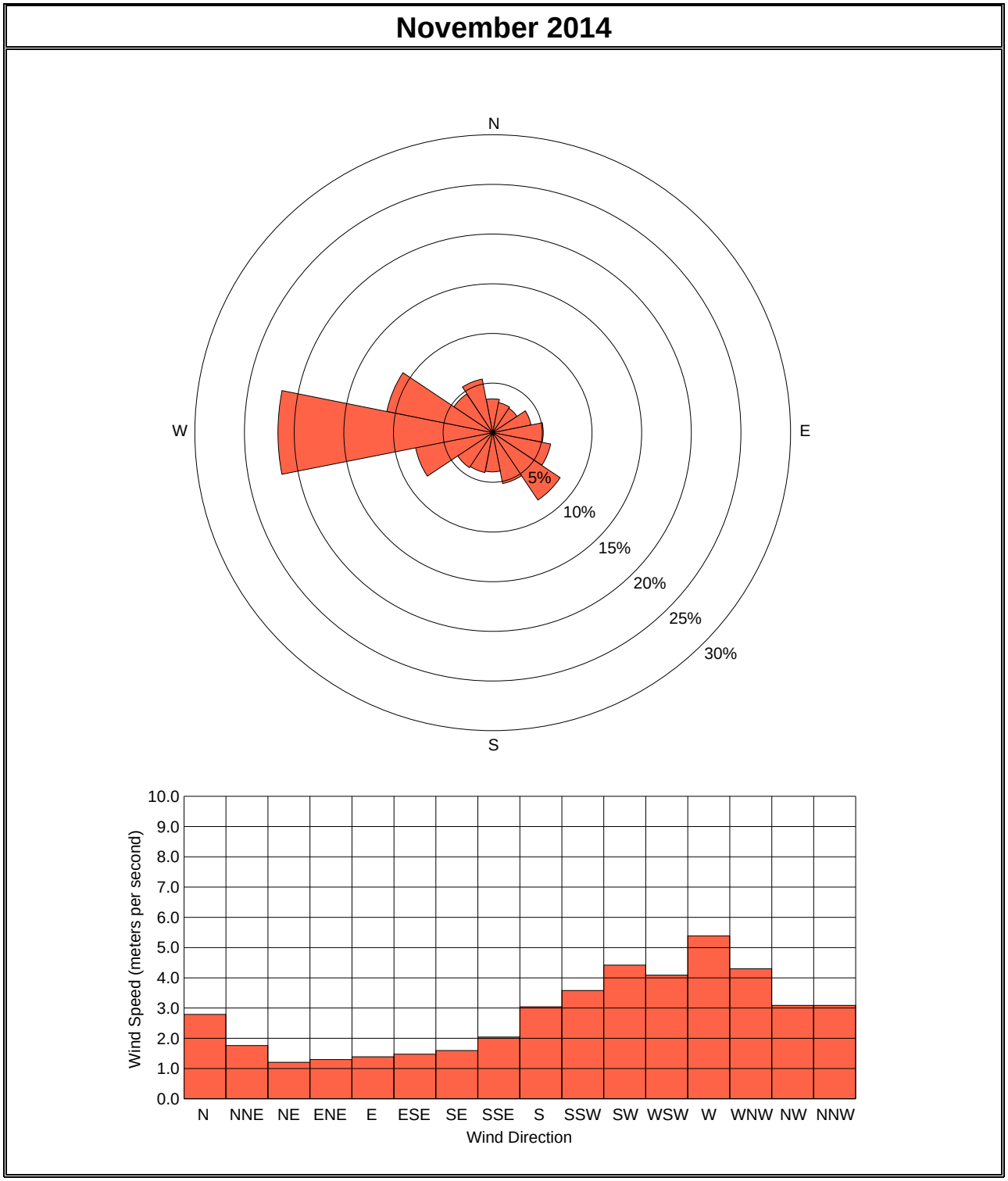


Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower

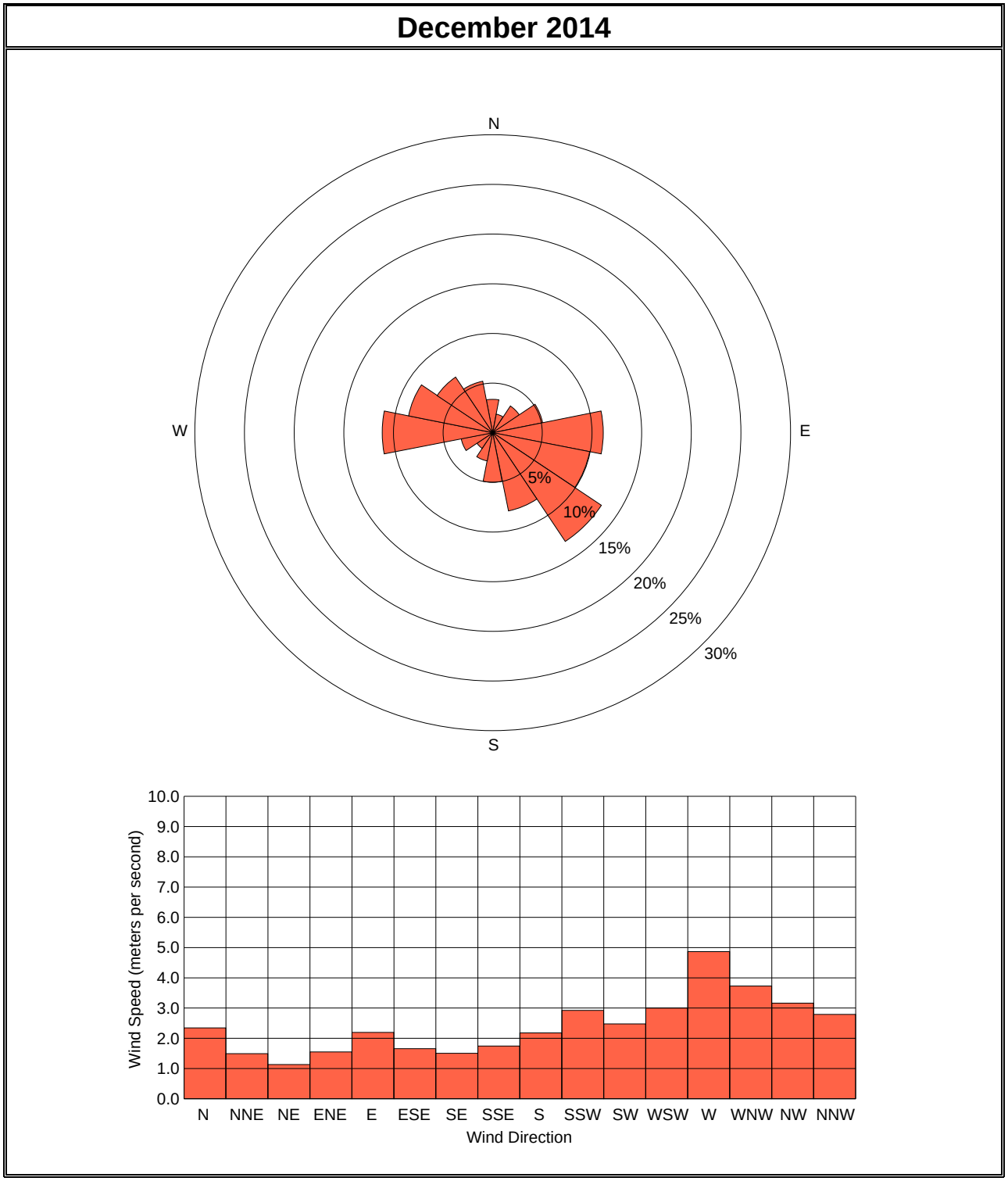
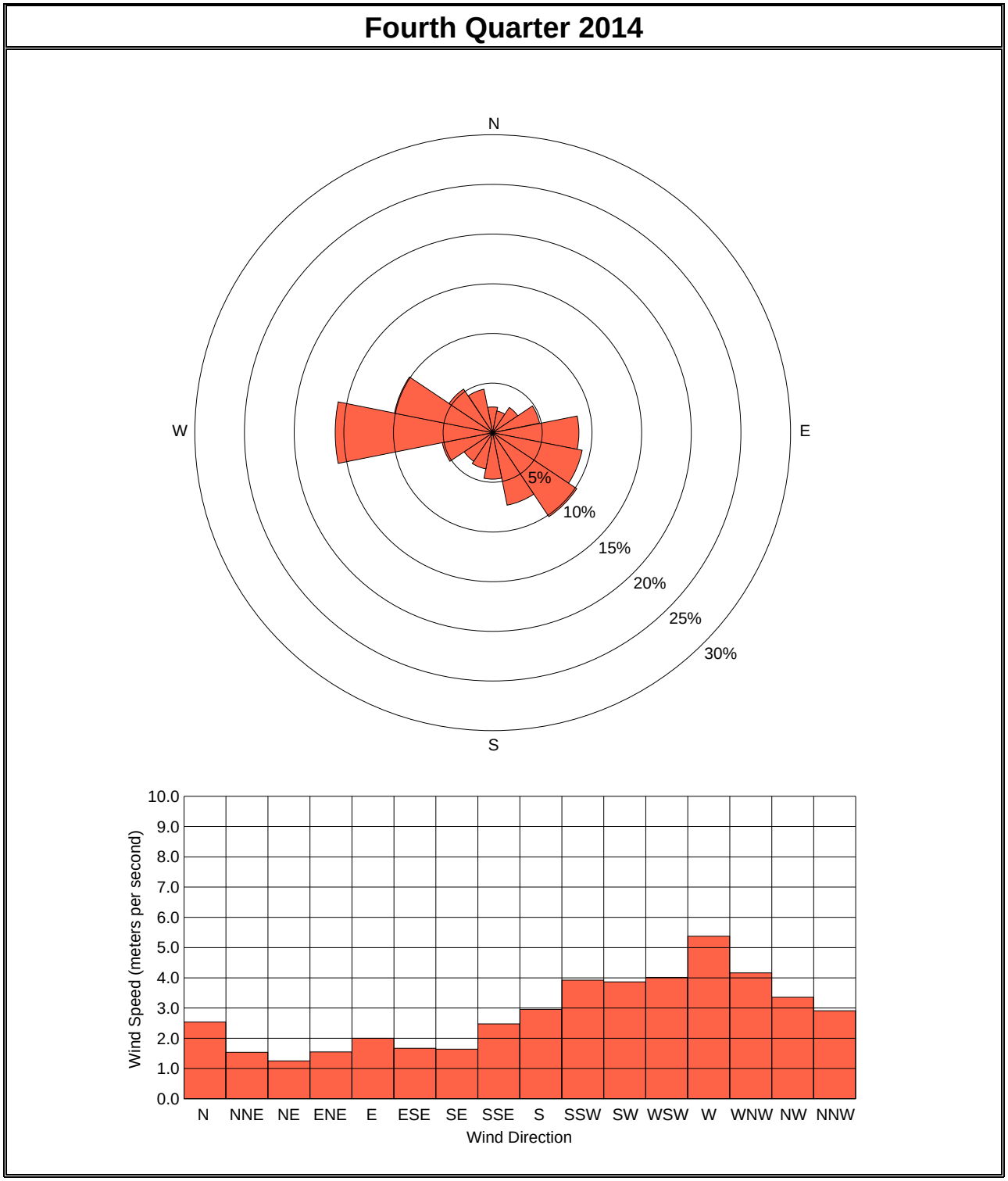


Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower



APPENDIX A: HOURLY AIR QUALITY AND METEOROLOGICAL DATA, FOURTH QUARTER 2014

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
October 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.8	1.4	2.1	2.3	2.5	2.0	2.6	2.4	3.1	3.3	3.2	2.8	2.5	3.5	6.1	5.6	7.0	7.1	4.8	3.8	3.7	3.5	2.0	3.1	3.4	7.1	1.4
2	2.8	2.4	2.2	2.5	4.1	6.2	6.0	4.8	4.8	5.1	3.7	4.5	5.8	5.8	6.8	7.0	4.9	3.8	3.8	2.0	1.0	1.4	1.1	1.9	3.9	7.0	1.0
3	2.3	2.2	1.4	1.2	1.0	1.1	0.5	0.7	0.7	1.2	5.1	5.4	5.3	5.6	5.4	6.2	4.6	2.8	1.9	2.7	3.4	2.2	1.3	1.5	2.7	6.2	0.5
4	1.3	1.2	1.1	0.9	1.1	1.5	2.0	1.7	3.8	6.2	7.4	8.7	8.5	8.7	9.8	8.7	8.0	6.9	6.9	6.0	4.3	4.3	2.2	1.7	4.7	9.8	0.9
5	2.9	3.4	2.4	1.5	1.8	0.7	0.5	0.9	4.3	4.6	5.6	6.4	7.2	6.6	6.2	6.3	3.9	2.5	3.4	2.1	2.9	3.1	2.1	1.6	3.5	7.2	0.5
6	1.2	1.5	1.4	1.7	1.7	2.0	3.1	2.7	1.5	3.9	5.4	6.8	8.6	8.9	9.8	9.9	8.8	5.8	4.4	3.9	3.5	2.9	2.0	2.3	4.3	9.9	1.2
7	1.7	2.2	1.9	1.6	1.6	1.3	1.1	0.9	0.9	2.7	Au	Au	Au	Au	4.7	6.7	5.5	3.1	1.1	3.5	2.6	2.1	1.7	1.5	2.4	6.7	0.9
8	1.4	1.2	0.8	0.9	1.2	0.6	0.8	0.6	0.4	0.8	5.0	5.6	6.0	5.5	6.3	4.6	3.4	2.0	2.8	3.1	2.1	0.7	0.6	0.7	2.4	6.3	0.4
9	0.5	0.6	0.8	0.9	0.6	0.8	1.3	1.0	4.4	6.7	6.7	7.4	6.7	7.2	7.3	7.3	7.0	5.0	4.9	3.8	5.1	6.1	4.2	2.2	4.1	7.4	0.5
10	1.8	2.0	1.1	1.3	0.6	0.9	0.5	0.9	0.5	0.6	1.1	3.5	3.7	4.0	4.0	3.9	3.7	3.0	2.7	2.7	2.9	2.2	1.2	0.8	2.1	4.0	0.5
11	0.8	0.5	1.3	1.3	1.4	1.5	1.3	1.4	1.2	1.2	4.2	4.7	4.9	3.8	3.5	3.0	4.2	6.4	5.9	2.3	4.4	2.9	2.5	4.3	2.9	6.4	0.5
12	3.3	2.9	2.9	3.6	2.5	4.3	3.9	4.0	2.1	3.0	3.6	3.1	3.9	4.8	2.6	3.0	5.3	6.9	5.3	3.5	1.5	1.5	1.6	0.8	3.3	6.9	0.8
13	0.8	1.2	1.1	0.8	0.8	1.1	0.9	0.7	0.9	1.6	3.8	7.2	6.7	7.8	6.1	4.9	4.8	1.5	2.2	2.8	2.3	2.8	2.8	1.8	2.8	7.8	0.7
14	2.9	3.3	1.7	3.2	3.1	4.4	4.5	4.7	4.0	4.4	5.0	7.9	7.6	6.4	6.0	5.8	4.5	3.6	1.4	2.6	2.4	1.9	2.3	3.4	4.0	7.9	1.4
15	1.9	1.3	1.7	2.1	2.7	1.2	1.9	2.1	1.3	2.1	5.6	6.2	8.8	8.8	9.9	10.3	9.3	6.1	8.5	2.0	5.9	6.4	7.3	7.6	5.0	10.3	1.2
16	7.7	6.9	7.1	5.4	5.5	6.2	4.3	2.9	3.1	3.6	4.8	4.3	3.6	2.8	3.5	3.1	2.2	1.2	1.8	2.6	1.9	1.6	2.1	2.4	3.8	7.7	1.2
17	2.0	1.7	1.2	1.7	1.5	1.7	1.2	1.4	0.9	1.4	5.2	6.3	6.5	5.9	6.0	4.7	4.9	2.8	2.3	2.2	2.7	2.8	2.1	1.9	3.0	6.5	0.9
18	1.8	2.2	1.7	0.8	1.3	1.3	1.3	1.3	0.9	1.0	4.7	6.6	6.8	6.5	5.0	6.3	6.3	4.5	3.3	2.0	2.1	1.6	1.7	2.1	3.0	6.8	0.8
19	1.5	1.2	1.3	0.9	0.9	0.8	1.2	0.9	0.8	0.7	2.3	4.0	3.2	2.9	3.4	3.2	3.0	2.5	3.4	2.8	3.2	3.0	1.9	1.2	2.1	4.0	0.7
20	1.3	1.6	1.2	1.1	0.9	1.0	0.9	1.8	1.8	2.5	3.8	5.9	6.3	5.4	6.3	5.3	4.3	2.3	3.3	2.5	2.5	1.3	1.2	1.4	2.7	6.3	0.9
21	0.7	1.4	2.0	1.5	1.6	2.3	1.3	0.7	0.9	4.6	3.9	5.1	7.5	7.5	4.5	6.2	7.8	5.0	1.8	1.2	1.1	1.1	2.1	2.7	3.1	7.8	0.7
22	1.6	1.3	1.5	1.3	1.5	1.0	1.3	1.7	1.6	2.9	3.0	4.8	4.2	4.0	4.1	3.8	3.1	2.3	1.8	1.0	1.1	0.9	1.2	2.4	2.2	4.8	0.9
23	2.2	3.8	5.9	6.1	3.9	2.7	4.8	2.4	1.9	5.2	5.2	6.4	7.1	7.4	8.0	5.3	4.0	3.2	2.3	3.9	5.3	3.9	2.3	3.5	4.4	8.0	1.9
24	5.1	2.9	1.5	1.7	2.7	1.3	1.2	2.7	2.4	2.9	4.6	3.4	4.3	4.5	4.7	3.2	2.0	1.0	1.7	1.8	1.4	1.6	1.7	1.5	2.6	5.1	1.0
25	1.9	2.4	2.1	1.7	2.4	2.2	2.2	2.1	1.1	1.5	3.6	4.0	4.4	4.0	5.3	4.5	2.1	5.1	7.1	5.9	4.3	2.5	1.2	3.7	3.2	7.1	1.1
26	2.6	5.5	5.0	5.0	6.4	7.6	7.6	5.6	5.4	6.7	7.0	8.5	8.7	10.7	10.3	9.2	8.0	5.7	5.1	6.8	5.1	5.7	5.5	6.2	6.7	10.7	2.6
27	5.3	6.2	7.1	5.0	5.3	4.8	4.2	2.7	2.2	4.7	7.3	8.3	8.2	8.3	5.8	4.4	4.0	4.2	3.6	2.7	1.3	1.3	1.2	1.4	4.6	8.3	1.2
28	1.3	1.5	1.7	1.6	1.0	1.0	1.1	1.1	0.9	0.8	1.3	3.3	0.2	3.2	7.0	5.3	2.2	1.5	2.6	2.9	1.6	1.5	1.3	1.0	2.0	7.0	0.2
29	1.5	3.6	1.8	3.7	3.1	2.8	1.9	2.3	6.5	7.9	7.3	7.7	8.1	7.9	8.3	6.9	7.6	7.3	4.7	2.1	2.1	2.2	1.6	1.2	4.6	8.3	1.2
30	1.0	1.0	0.9	0.9	1.1	0.8	1.1	1.0	0.7	1.0	2.0	4.5	4.6	4.4	4.5	5.8	5.8	6.2	2.5	2.5	2.5	2.6	2.3	3.2	2.6	6.2	0.7
31	3.0	3.5	3.8	2.2	1.4	1.1	0.8	0.9	1.1	1.0	1.5	3.0	4.6	4.9	5.2	2.2	1.3	2.5	2.0	1.1	1.7	2.9	2.0	1.8	2.3	5.2	0.8
Avg	2.2	2.4	2.2	2.1	2.2	2.2	2.2	2.0	2.1	3.1	4.4	5.5	5.8	5.9	6.0	5.6	5.0	4.0	3.5	2.9	2.8	2.6	2.1	2.3	3.4	7.1	0.9
Max	7.7	6.9	7.1	6.1	6.4	7.6	7.6	5.6	6.5	7.9	7.4	8.7	8.8	10.7	10.3	10.3	9.3	7.3	8.5	6.8	5.9	6.4	7.3	7.6	6.7	10.7	2.6
Min	0.5	0.5	0.8	0.8	0.6	0.6	0.5	0.6	0.4	0.6	1.1	2.8	0.2	2.8	2.6	2.2	1.3	1.0	1.1	1.0	1.0	0.7	0.6	0.7	2.0	4.0	0.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
November 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.9	1.9	1.7	1.1	1.3	0.9	1.3	1.4	0.9	1.4	4.6	5.5	5.8	5.2	5.7	5.0	5.8	3.2	3.3	3.1	4.8	1.8	2.4	1.9	3.0	5.8	0.9
2	1.5	1.4	1.7	0.9	2.5	4.3	3.7	3.8	3.8	3.2	3.6	3.6	5.4	5.2	4.9	6.0	6.7	6.9	6.0	4.6	4.4	5.7	6.7	3.1	4.2	6.9	0.9
3	3.4	2.2	1.7	1.4	1.1	0.8	0.9	0.8	0.6	0.9	3.8	5.3	6.8	7.0	6.9	6.4	6.1	4.7	2.8	1.8	1.2	0.9	1.6	1.0	2.9	7.0	0.6
4	1.1	1.5	1.2	1.0	1.0	1.1	1.4	1.8	1.5	2.6	3.1	4.6	6.2	5.7	3.2	1.7	4.5	3.3	3.8	5.3	3.8	4.0	4.8	5.9	3.1	6.2	1.0
5	6.2	6.0	5.6	5.9	4.9	5.0	4.9	5.2	5.7	6.4	7.0	8.8	10.1	9.2	7.2	4.8	2.9	2.0	1.7	1.5	3.1	2.2	1.8	1.4	5.0	10.1	1.4
6	1.2	1.3	1.2	1.6	1.3	1.8	1.9	1.2	1.6	2.2	3.1	3.2	3.7	4.9	4.3	3.1	4.8	4.9	6.1	6.9	6.3	5.1	5.0	5.6	3.4	6.9	1.2
7	8.8	8.1	9.8	7.7	6.7	6.8	6.3	4.8	3.3	6.1	6.3	6.0	5.4	5.5	6.2	5.8	6.2	4.2	2.3	1.3	1.6	2.3	1.8	1.2	5.2	9.8	1.2
8	1.2	1.0	0.8	1.2	0.9	1.0	0.9	1.1	1.5	2.1	4.8	6.1	7.6	7.8	8.4	5.4	3.6	3.0	4.9	6.5	1.8	2.4	3.6	7.6	3.5	8.4	0.8
9	6.5	5.6	4.2	4.4	4.8	3.5	2.3	2.6	1.6	3.8	3.3	1.5	6.1	10.3	7.9	7.5	7.9	7.9	6.6	8.1	7.0	8.1	8.7	6.4	5.7	10.3	1.5
10	6.2	9.0	6.5	3.9	3.8	4.3	4.8	3.3	1.9	1.4	2.0	2.6	2.9	4.9	5.5	7.0	3.9	4.0	4.8	6.0	6.7	7.0	4.9	3.7	4.6	9.0	1.4
11	3.8	3.4	4.4	3.2	3.4	3.2	2.7	2.8	2.2	3.4	5.5	5.6	5.0	6.5	7.5	5.7	3.0	4.0	3.0	2.6	3.0	1.9	2.0	1.3	3.7	7.5	1.3
12	1.2	1.7	1.4	1.7	0.9	1.6	1.3	0.7	0.9	0.7	3.2	3.3	3.1	3.2	3.1	4.6	5.3	4.3	1.7	0.7	1.5	0.9	0.7	0.8	2.0	5.3	0.7
13	0.8	0.6	1.0	1.2	1.0	0.6	0.9	0.6	0.6	0.6	1.0	1.4	1.8	2.9	2.6	3.7	3.3	1.8	0.9	1.1	0.5	1.0	0.4	0.6	1.3	3.7	0.4
14	0.9	0.9	0.7	0.9	1.1	1.1	0.5	0.5	0.7	0.7	1.1	1.8	3.8	4.3	3.7	3.8	2.3	1.2	3.4	4.2	5.4	4.3	5.8	2.6	2.3	5.8	0.5
15	4.2	3.9	2.7	1.5	0.9	1.2	1.3	1.7	1.2	0.6	1.3	3.3	4.6	5.0	5.1	5.3	3.6	1.2	1.4	1.4	1.4	2.1	1.4	0.9	2.4	5.3	0.6
16	1.5	1.3	1.3	1.6	1.3	1.6	2.1	5.6	4.9	6.5	7.2	7.9	9.0	10.0	7.7	6.4	5.6	3.2	2.9	2.9	2.0	1.6	1.3	1.0	4.0	10.0	1.0
17	0.8	0.9	0.7	0.5	0.5	0.6	0.4	0.5	0.5	0.5	0.5	0.7	1.1	1.9	1.6	0.9	0.7	2.3	1.7	2.2	2.1	1.6	1.7	1.8	1.1	2.3	0.4
18	1.4	1.0	0.9	0.7	1.3	1.3	1.8	2.5	2.6	1.2	0.7	1.6	3.5	4.5	4.0	3.3	2.3	0.6	1.9	1.9	2.3	2.4	1.9	1.3	2.0	4.5	0.6
19	1.2	0.9	0.8	0.6	0.4	0.4	0.6	0.6	0.5	0.3	0.5	0.7	2.8	3.9	3.8	2.2	1.4	2.1	2.1	2.6	2.1	1.2	1.4	1.1	1.4	3.9	0.3
20	1.4	0.7	1.2	0.8	0.6	0.9	0.9	1.1	0.9	0.9	0.8	0.9	2.0	2.7	2.4	2.4	1.3	2.7	1.3	1.6	2.2	4.4	3.9	4.7	1.8	4.7	0.6
21	4.6	6.2	7.0	5.0	3.4	2.1	3.0	3.1	2.9	2.4	3.0	4.3	4.4	5.3	4.0	2.6	2.8	1.5	1.7	2.0	1.5	3.0	5.9	6.7	3.7	7.0	1.5
22	3.9	3.1	3.5	4.8	7.5	4.7	4.5	4.9	3.6	5.5	9.6	9.9	11.5	10.8	11.3	12.9	9.1	10.3	10.8	9.9	8.1	6.5	5.0	4.0	7.3	12.9	3.1
23	5.5	5.1	2.4	2.2	3.6	5.1	5.4	3.8	2.2	5.7	7.4	8.7	8.6	9.3	8.9	7.2	5.4	6.0	5.8	4.2	3.6	4.7	6.8	5.8	5.6	9.3	2.2
24	4.8	4.3	5.8	4.4	4.5	3.1	4.1	4.1	2.8	2.0	4.1	5.6	6.0	7.8	7.6	5.3	5.1	5.8	5.7	4.9	6.2	3.5	1.1	1.6	4.6	7.8	1.1
25	1.4	1.5	2.8	5.5	6.5	4.7	5.3	6.3	5.5	6.6	6.4	5.7	5.5	3.9	3.8	3.3	2.4	1.1	0.5	0.6	0.6	0.9	0.7	0.5	3.4	6.6	0.5
26	0.8	0.9	0.7	0.3	0.3	0.3	0.4	0.3	0.2	0.3	0.6	0.4	0.3	0.3	0.4	0.4	0.6	0.8	1.0	1.1	0.9	0.9	0.8	1.2	0.6	1.2	0.2
27	0.9	0.5	0.7	0.6	1.4	1.2	1.2	1.9	1.6	1.1	2.4	5.7	2.7	1.5	1.7	1.7	2.4	2.9	1.6	1.8	3.7	3.2	4.4	3.8	2.1	5.7	0.5
28	4.5	4.5	4.4	5.5	6.1	5.3	5.1	3.3	3.8	5.6	6.0	5.7	5.5	5.9	6.9	4.9	5.7	3.1	6.5	6.0	5.3	5.1	7.5	7.3	5.4	7.5	3.1
29	6.7	4.5	2.8	2.7	6.1	4.5	4.0	4.6	4.9	4.4	4.0	4.1	3.7	4.1	4.3	3.9	3.1	2.8	2.3	2.2	3.4	1.6	1.0	1.2	3.6	6.7	1.0
30	0.9	0.9	0.9	0.9	1.1	0.6	0.6	0.7	0.6	0.8	0.6	1.0	3.3	2.8	0.7	0.8	2.3	2.3	1.9	1.8	2.1	0.8	1.5	1.0	1.3	3.3	0.6
Avg	3.0	2.8	2.7	2.5	2.7	2.5	2.5	2.5	2.2	2.7	3.6	4.2	4.9	5.4	5.0	4.5	4.0	3.5	3.3	3.4	3.3	3.0	3.2	2.9	3.3	6.7	1.0
Max	8.8	9.0	9.8	7.7	7.5	6.8	6.3	6.3	5.7	6.6	9.6	9.9	11.5	10.8	11.3	12.9	9.1	10.3	10.8	9.9	8.1	8.1	8.7	7.6	7.3	12.9	3.1
Min	0.8	0.5	0.7	0.3	0.3	0.3	0.4	0.3	0.2	0.3	0.5	0.4	0.3	0.3	0.4	0.4	0.6	0.6	0.5	0.6	0.5	0.8	0.4	0.5	0.6	1.2	0.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
December 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.4	1.6	2.1	2.3	2.3	2.2	1.9	1.2	1.5	1.4	1.0	1.1	2.0	0.9	1.3	3.2	3.7	2.5	1.6	4.8	5.5	6.6	8.1	6.5	2.8	8.1	0.9
2	6.4	4.9	5.9	7.6	9.8	6.1	4.9	8.2	9.5	9.1	8.5	7.9	7.0	7.7	7.4	5.8	3.5	1.7	2.8	1.9	1.3	1.6	1.1	0.7	5.5	9.8	0.7
3	1.2	1.2	1.3	1.7	1.7	1.8	1.9	1.5	1.5	1.4	0.9	0.8	0.6	1.1	0.6	0.8	1.5	1.5	1.6	1.7	1.5	1.3	1.1	1.5	1.3	1.9	0.6
4	0.9	1.0	1.2	1.0	0.7	0.9	0.8	0.9	1.2	1.0	0.7	0.9	0.6	3.2	3.7	2.9	2.0	1.3	0.7	0.8	0.8	1.0	0.7	0.7	1.2	3.7	0.6
5	0.4	0.3	0.3	0.9	0.9	0.2	0.4	0.2	0.8	1.3	1.8	2.1	1.9	1.6	1.5	0.8	1.8	1.4	2.5	1.7	0.5	ND	ND	ND	1.1	2.5	0.2
6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.4	2.2	4.6	5.4	6.9	1.8	2.4	3.8	2.3	1.9	2.7	3.2	1.1	3.6	3.0	6.9	0.4
7	3.8	7.4	7.7	8.9	6.5	5.8	6.4	6.2	2.5	2.4	6.0	6.7	6.9	5.4	3.6	4.0	2.3	1.5	2.0	1.9	1.7	1.3	1.3	1.4	4.3	8.9	1.3
8	0.9	1.4	1.6	1.2	1.7	1.7	1.7	2.1	1.7	1.3	1.3	0.9	1.2	3.2	2.7	2.1	1.9	2.8	5.0	3.1	1.5	1.8	1.7	2.1	1.9	5.0	0.9
9	1.9	1.4	1.1	1.1	0.9	0.8	1.5	1.2	1.1	0.8	1.3	1.3	3.4	4.1	2.9	1.9	3.4	3.1	2.6	2.2	2.8	2.6	1.6	1.6	1.9	4.1	0.8
10	1.6	1.3	1.6	1.2	1.0	0.8	1.2	1.3	1.5	1.4	1.0	1.3	1.2	1.1	1.4	2.8	3.2	5.8	4.2	3.4	4.1	5.7	4.6	2.3	2.3	5.8	0.8
11	1.5	3.2	2.5	5.5	7.9	9.4	4.1	5.0	3.4	2.5	1.6	2.4	3.2	4.8	3.4	2.7	3.9	2.8	3.1	3.6	3.0	5.1	3.6	5.0	3.9	9.4	1.5
12	1.6	2.4	5.8	4.3	3.3	4.9	4.1	1.7	2.2	4.1	3.3	2.2	5.0	6.0	7.8	7.1	4.0	3.1	5.1	2.8	2.4	2.1	2.0	1.7	3.7	7.8	1.6
13	1.3	1.4	2.6	4.7	2.3	2.1	2.4	1.6	1.1	0.7	1.5	4.0	6.2	4.4	4.9	4.9	4.9	4.7	4.8	5.1	6.1	5.6	5.9	5.5	3.7	6.2	0.7
14	6.2	6.9	6.3	5.3	6.7	6.3	6.3	7.8	6.1	4.5	4.2	4.8	4.3	4.8	5.4	4.8	3.2	2.8	3.2	3.6	3.3	2.4	3.1	2.8	4.8	7.8	2.4
15	3.3	2.7	1.5	0.9	0.8	0.9	0.4	1.6	0.9	0.6	1.0	2.9	3.2	2.9	3.6	1.8	2.9	3.2	4.1	Pw	Pw	Pw	Pw	Pw	2.1	4.1	0.4
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	1.6	0.9	0.6	0.8	1.4	1.1	1.0	1.0	0.6	0.4	0.3	0.9	1.6	0.3
18	0.4	0.4	0.6	0.6	0.4	0.4	0.6	0.9	1.0	0.9	0.8	1.0	2.9	1.9	2.0	1.6	1.0	1.5	1.8	2.2	1.3	1.6	1.3	1.3	1.2	2.9	0.4
19	0.9	0.9	0.8	0.6	0.5	0.7	0.9	1.0	0.9	0.7	Au	Au	Au	Au	2.8	2.5	2.7	2.0	1.5	2.3	1.7	1.1	2.7	4.4	1.6	4.4	0.5
20	2.8	3.3	2.6	2.7	3.8	1.8	2.1	3.2	3.0	1.5	1.1	0.9	0.9	3.9	5.7	5.3	3.3	2.0	1.8	2.0	3.1	2.7	1.9	1.0	2.6	5.7	0.9
21	4.8	3.6	2.6	2.1	2.1	1.8	1.7	1.2	1.8	6.8	8.1	9.0	11.0	10.2	7.9	7.5	8.4	6.1	5.8	6.0	5.5	3.3	1.2	0.7	5.0	11.0	0.7
22	1.5	1.5	1.2	0.9	1.6	2.6	5.9	3.3	6.3	4.7	4.6	5.5	7.0	6.3	5.9	5.3	4.7	4.7	3.5	3.0	2.3	3.0	2.1	1.5	3.7	7.0	0.9
23	0.8	1.0	1.1	0.7	0.6	0.5	0.4	0.6	0.4	0.4	0.3	0.6	0.8	0.7	1.0	1.9	1.1	1.5	1.4	1.4	1.2	1.2	1.2	1.4	0.9	1.9	0.3
24	0.9	1.7	3.0	2.6	1.6	1.6	3.0	1.6	3.5	2.4	1.0	1.7	1.4	1.9	2.2	1.5	1.8	1.5	0.8	3.2	1.7	1.8	1.4	2.6	1.9	3.5	0.8
25	1.4	2.7	1.6	3.9	4.7	4.2	4.2	5.4	5.5	5.0	6.1	5.7	4.0	4.8	4.9	4.1	1.5	1.4	0.6	0.7	0.6	0.4	0.4	0.5	3.1	6.1	0.4
26	0.4	0.3	0.3	0.4	0.2	0.4	0.4	0.3	0.4	0.4	0.7	1.9	5.1	5.2	2.2	0.8	1.0	1.6	1.5	0.6	0.7	0.7	0.9	0.9	1.1	5.2	0.2
27	0.8	0.6	0.6	0.7	1.6	4.0	4.3	4.0	4.6	4.4	3.9	4.4	6.2	4.6	4.2	1.8	0.7	1.1	2.3	2.4	2.2	2.8	2.5	3.2	2.8	6.2	0.6
28	2.9	1.9	2.0	1.7	0.8	0.7	0.3	0.2	0.5	1.3	3.2	4.4	4.4	4.3	6.3	7.7	6.3	4.4	4.1	4.0	5.4	4.6	5.6	3.4	3.3	7.7	0.2
29	1.1	0.7	1.2	0.8	1.2	1.4	1.1	1.0	0.7	0.8	1.7	0.8	1.1	2.6	2.5	1.1	1.4	1.1	1.1	1.1	1.2	1.7	1.1	1.2	1.2	2.6	0.7
30	0.7	0.7	0.8	0.5	0.5	0.5	0.6	0.9	0.6	0.5	0.5	0.5	0.9	0.5	0.8	1.0	1.3	1.2	1.1	1.3	0.9	1.0	1.2	1.3	0.8	1.3	0.5
31	1.3	2.4	3.1	2.3	1.3	1.0	1.3	0.7	0.9	1.0	1.0	2.0	1.6	1.2	0.8	1.3	1.9	1.7	2.2	2.1	1.2	1.3	1.0	1.3	1.5	3.1	0.7
Avg	1.9	2.1	2.3	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.4	2.9	3.5	3.7	3.6	3.0	2.7	2.5	2.5	2.5	2.3	2.4	2.2	2.2	2.5	5.4	0.7
Max	6.4	7.4	7.7	8.9	9.8	9.4	6.4	8.2	9.5	9.1	8.5	9.0	11.0	10.2	7.9	7.7	8.4	6.1	5.8	6.0	6.1	6.6	8.1	6.5	5.5	11.0	2.4
Min	0.4	0.3	0.3	0.4	0.2	0.2	0.3	0.2	0.4	0.4	0.3	0.5	0.6	0.5	0.6	0.6	0.7	1.1	0.6	0.6	0.5	0.4	0.4	0.3	0.8	1.3	0.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
October 2014

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	315	317	299	281	291	297	299	305	323	306	285	285	85	315	258	267	278	267	270	266	262	268	264	272	287
2	263	258	287	225	234	242	281	296	303	328	344	357	348	358	334	338	345	303	269	285	310	38	75	58	311
3	104	82	132	121	121	135	183	110	145	336	272	272	278	288	284	262	272	286	166	87	63	71	66	32	121
4	35	54	49	17	84	42	134	110	284	279	278	279	281	304	306	301	297	276	279	298	301	304	331	62	323
5	70	56	26	336	81	122	32	13	316	286	307	305	297	305	306	302	303	299	296	18	85	81	66	105	357
6	42	118	90	79	68	65	72	52	50	308	264	270	267	278	292	292	289	285	285	294	304	35	90	96	353
7	118	101	95	60	106	43	21	80	319	350	Au	Au	Au	Au	298	271	273	253	230	83	75	74	114	105	66
8	115	129	46	5	119	157	127	142	264	77	292	285	287	295	308	319	331	354	77	76	112	335	347	4	17
9	313	107	347	75	97	29	121	220	169	153	155	155	150	150	152	153	153	148	153	159	160	167	170	145	146
10	97	101	55	106	34	130	138	155	343	345	354	271	263	296	298	272	253	242	92	78	80	104	131	178	91
11	162	67	55	110	51	110	74	55	109	75	231	258	252	266	221	217	255	274	301	289	277	292	295	273	264
12	301	302	306	295	325	315	317	302	334	320	332	338	285	306	88	123	302	263	271	321	96	98	96	171	315
13	84	118	96	101	78	143	147	201	141	92	284	256	259	261	271	269	261	190	117	108	132	118	115	124	147
14	106	92	100	110	100	102	99	91	95	101	169	197	193	191	181	170	177	196	164	100	79	58	110	76	125
15	106	101	113	114	127	107	104	138	148	136	147	171	188	196	201	213	259	292	264	256	264	261	259	280	180
16	273	270	276	274	276	281	310	287	320	289	280	247	250	248	248	233	222	171	120	102	109	116	100	89	254
17	104	138	109	133	129	148	153	152	173	108	164	169	164	174	173	172	167	140	115	130	116	113	122	132	142
18	100	84	106	19	137	115	103	149	57	10	273	258	273	273	261	266	278	279	275	139	117	86	99	69	108
19	92	30	118	188	113	73	61	100	231	288	133	158	212	238	213	180	189	139	88	84	85	84	67	57	122
20	114	110	123	105	90	119	81	123	131	95	166	195	205	215	207	207	202	148	92	123	113	339	142	153	138
21	151	129	127	98	78	101	132	154	151	120	128	156	188	291	296	273	283	272	295	85	102	164	234	284	156
22	312	23	185	198	89	124	132	126	158	155	207	227	229	217	222	209	193	134	115	124	131	49	279	190	169
23	152	163	187	167	162	146	175	157	120	227	202	217	225	219	222	214	218	240	240	271	239	228	186	262	202
24	266	228	184	210	276	101	56	293	291	264	284	292	255	256	250	219	183	54	61	287	138	131	136	122	232
25	129	114	119	110	129	122	125	130	127	182	162	145	161	165	208	201	167	185	193	195	172	153	63	266	154
26	245	205	205	200	219	249	282	287	270	278	280	265	258	261	267	261	260	275	270	257	258	259	266	265	257
27	275	267	253	255	281	299	300	309	298	285	265	270	268	262	310	303	293	297	287	278	143	135	169	168	273
28	141	106	96	92	39	74	109	141	158	332	293	264	263	255	270	264	223	104	94	90	92	88	147	85	116
29	106	91	127	219	193	215	301	259	263	260	258	269	263	267	282	277	284	279	294	94	116	113	66	62	248
30	44	127	68	22	115	104	131	175	133	124	111	164	158	151	141	133	131	134	152	129	133	123	161	164	130
31	152	159	162	133	114	151	168	168	117	137	107	162	158	198	190	179	204	73	114	92	142	99	84	84	140
Prev	108	107	107	118	106	115	110	145	178	315	245	241	238	253	251	241	246	242	207	108	121	97	115	115	176

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
November 2014

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	85	112	95	86	144	32	120	143	346	153	132	144	148	128	134	119	177	247	196	30	83	63	117	126	119
2	132	154	116	152	176	179	255	274	265	279	276	287	278	278	273	275	270	278	280	278	272	268	274	251	255
3	247	246	124	130	89	93	109	156	19	4	283	255	263	268	266	267	271	263	256	123	147	150	123	135	200
4	95	89	142	157	131	38	115	131	138	153	195	189	217	229	246	207	206	240	240	243	254	249	260	274	194
5	272	260	260	256	272	271	266	279	269	270	273	265	259	264	284	264	255	234	231	352	81	82	112	107	264
6	152	155	150	146	145	122	134	160	123	109	128	142	156	147	162	160	202	210	217	223	223	225	237	271	168
7	280	278	293	284	290	283	274	263	262	270	276	268	261	247	240	258	260	265	271	145	107	92	81	100	265
8	85	131	82	95	118	145	133	358	90	315	278	283	273	272	260	258	266	259	300	285	275	324	333	288	286
9	283	286	268	290	296	292	256	245	211	235	288	265	285	278	277	275	278	282	297	333	339	359	353	345	287
10	347	332	342	331	274	305	294	296	304	232	288	284	286	278	342	16	354	354	6	359	10	18	5	348	327
11	350	348	8	346	346	347	317	289	298	278	251	264	288	270	254	275	339	335	333	299	307	230	153	170	303
12	120	160	146	158	140	158	170	116	176	355	171	175	180	178	169	153	163	164	143	108	125	73	43	95	144
13	22	79	136	137	131	185	141	90	168	20	331	318	329	182	183	178	188	164	125	153	124	145	75	160	138
14	133	135	86	76	45	63	296	325	144	346	292	271	296	265	270	252	289	344	339	337	308	330	316	317	321
15	314	313	281	255	225	114	83	85	86	350	328	287	278	272	278	266	253	302	132	105	73	51	14	3	322
16	26	13	275	306	346	16	19	281	281	288	285	281	293	306	304	299	298	329	334	305	336	139	149	129	315
17	268	152	106	66	38	53	17	194	320	258	348	339	336	287	278	360	351	99	64	53	59	67	58	64	25
18	75	17	81	320	32	20	41	30	45	335	128	300	287	283	276	283	309	23	61	48	61	75	119	110	25
19	86	70	40	91	107	98	118	136	166	305	288	359	299	295	297	298	5	112	81	65	42	15	32	23	44
20	114	75	126	148	134	78	113	165	109	3	73	53	334	267	272	263	240	232	112	166	250	262	252	257	167
21	265	272	265	270	270	324	244	237	237	253	229	241	237	249	264	246	229	197	117	144	177	179	177	200	233
22	185	136	158	173	200	195	208	209	242	257	255	262	258	270	269	277	282	277	277	279	281	278	279	286	246
23	266	279	289	277	281	293	289	303	291	280	277	275	277	280	279	273	258	272	277	263	266	272	265	266	277
24	289	300	292	297	320	308	286	287	305	316	277	277	281	270	274	264	271	269	259	249	258	260	131	127	279
25	127	61	242	271	268	280	281	287	280	301	308	299	310	318	330	316	299	268	241	201	202	119	86	201	277
26	62	75	46	317	357	ND	ND	ND	ND	ND	ND	ND	328	279	26	346	357	116	131	109	52	41	115	37	39
27	125	38	163	57	83	72	137	82	80	8	260	227	224	214	279	36	134	180	200	142	151	182	198	190	148
28	204	206	203	190	196	203	201	213	210	211	222	227	233	235	231	222	253	253	224	243	231	222	222	230	220
29	239	256	290	310	302	270	271	298	279	261	277	276	285	282	294	267	261	255	273	272	283	251	287	286	276
30	230	121	169	48	145	300	94	135	317	88	37	63	279	262	348	68	117	115	115	109	117	195	132	171	115
Prev	153	98	156	240	174	5	200	229	256	296	274	271	274	262	271	270	265	254	242	231	257	182	114	195	261

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
December 2014

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	165	158	154	148	142	142	143	144	120	139	282	74	123	34	356	287	265	279	291	271	276	280	282	279	202
2	269	266	254	280	276	288	292	278	283	282	279	275	258	258	269	271	232	133	91	68	57	71	134	95	271
3	156	132	136	128	142	144	115	143	135	168	204	185	341	324	306	68	52	121	101	83	108	134	165	162	131
4	192	120	200	120	291	274	311	56	254	315	341	318	309	263	274	268	311	328	31	165	75	285	89	151	292
5	224	147	283	85	76	98	103	95	141	132	91	103	84	67	63	44	115	84	97	123	159	ND	ND	ND	103
6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	148	154	200	197	224	130	103	277	302	277	220	239	349	285	222
7	270	262	267	272	269	269	268	283	16	32	280	268	271	270	247	259	265	183	151	64	68	99	102	151	264
8	141	135	142	118	96	143	135	134	143	152	92	327	85	256	260	293	135	93	87	100	129	130	128	128	127
9	114	107	97	129	55	119	101	145	157	179	168	43	119	160	188	135	79	74	91	67	78	82	128	77	111
10	138	85	83	143	189	92	143	149	156	134	50	243	76	358	121	95	98	87	97	104	101	85	79	108	108
11	14	151	190	175	184	171	108	167	122	80	84	107	132	152	125	122	123	100	201	150	108	84	108	193	133
12	68	144	177	174	139	80	145	23	59	204	219	183	152	161	196	220	240	150	87	120	128	99	97	320	144
13	329	82	79	92	66	119	108	102	151	134	350	291	263	268	273	282	285	287	285	307	302	303	306	307	311
14	321	319	320	319	338	344	338	325	320	323	345	349	359	6	357	3	331	323	327	331	311	288	276	299	329
15	314	307	292	147	194	137	39	118	125	8	358	159	162	172	185	167	142	101	87	Pw	Pw	Pw	Pw	Pw	137
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	300	303	303	197	119	115	123	135	156	131	70	137
18	142	133	162	143	253	100	199	128	149	34	32	101	145	139	209	216	103	90	100	101	127	125	135	135	132
19	116	136	93	315	80	120	161	116	141	173	Au	Au	Au	Au	241	199	204	194	165	238	262	155	285	261	176
20	273	272	213	287	259	97	131	88	109	107	46	268	329	250	209	207	173	96	139	160	123	113	131	334	165
21	159	179	154	173	142	141	178	123	258	267	256	269	274	276	268	276	283	266	270	273	285	272	332	58	243
22	89	82	78	131	36	336	323	303	290	295	297	299	285	298	290	292	295	296	318	315	312	297	302	309	313
23	321	139	132	180	169	48	172	137	106	104	134	116	56	24	104	79	103	99	128	154	161	145	141	156	123
24	261	117	84	106	114	40	83	59	84	99	308	108	55	57	71	23	63	111	83	347	288	299	348	25	60
25	285	360	94	317	307	310	323	328	330	338	335	338	286	271	270	271	218	107	325	151	145	120	176	161	302
26	109	310	114	148	2	130	146	63	117	165	221	290	259	282	235	150	101	104	98	124	128	105	154	76	130
27	347	79	41	168	274	264	263	257	264	265	274	267	267	267	279	280	345	174	74	85	97	109	125	140	261
28	146	107	86	85	38	271	230	146	169	304	285	289	289	303	333	318	322	360	354	350	334	317	324	327	325
29	331	292	207	172	180	245	322	147	294	293	303	244	170	270	264	172	247	262	232	317	143	131	104	106	235
30	51	74	75	88	83	131	67	122	248	102	130	173	151	289	179	22	20	327	351	345	340	2	352	44	57
31	11	63	71	43	9	329	130	309	180	321	345	186	251	334	269	220	46	21	47	58	350	359	318	13	2
Prev	156	120	129	140	121	119	137	117	153	139	317	247	232	281	252	251	151	101	80	89	110	107	107	89	134

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
October 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	14	18	22	13	11	20	21	24	13	22	22	66	21	90	14	14	12	12	12	11	14	18	37	20	23	90	11
2	17	15	79	97	14	10	24	12	13	10	19	17	22	29	16	13	15	18	9	28	29	51	48	18	26	97	9
3	25	20	26	39	55	21	94	40	86	79	20	17	17	20	15	19	16	18	54	32	15	17	57	72	36	94	15
4	69	63	56	53	66	85	55	55	75	13	14	12	13	16	16	14	14	9	9	14	6	7	40	37	34	85	6
5	18	16	27	39	38	58	54	46	12	15	27	21	17	13	18	16	11	11	11	46	11	13	23	42	25	58	11
6	59	36	47	46	43	43	38	43	59	33	16	17	13	14	15	12	11	10	8	9	13	61	43	49	31	61	8
7	40	34	20	61	59	49	68	93	46	56	Au	Au	Au	Au	54	15	19	12	73	21	18	20	38	35	42	93	12
8	28	29	74	53	75	49	53	70	96	71	19	15	19	17	11	20	8	56	12	26	54	67	57	59	43	96	8
9	69	61	53	57	49	59	65	88	67	8	10	9	9	10	11	9	7	9	9	13	10	9	10	20	30	88	7
10	26	20	28	33	51	46	40	52	74	54	56	26	23	22	21	20	15	8	36	22	12	18	42	28	32	74	8
11	56	82	75	66	76	80	76	72	79	46	47	30	19	18	16	28	15	12	22	26	15	33	50	10	44	82	10
12	17	19	15	7	14	9	11	13	15	20	14	34	38	65	51	78	32	9	9	90	36	66	36	73	32	90	7
13	87	69	63	87	75	83	87	84	62	30	68	18	16	14	13	19	19	44	29	21	22	23	21	31	45	87	13
14	33	14	41	23	23	25	15	10	15	33	15	12	14	10	12	13	10	12	41	35	46	51	29	39	24	51	10
15	54	65	50	66	62	69	74	25	51	47	10	21	12	13	13	18	20	13	14	62	14	10	10	12	34	74	10
16	12	10	11	14	11	9	19	31	26	28	19	22	36	33	30	22	19	78	21	18	18	16	17	11	22	78	9
17	23	10	35	20	20	18	29	21	76	54	14	16	16	18	16	14	9	22	25	19	16	16	22	23	23	76	9
18	34	20	36	70	95	81	66	40	97	76	27	15	16	15	15	14	14	14	29	37	28	48	58	44	41	97	14
19	39	36	72	74	94	74	65	46	68	75	53	28	40	33	24	20	12	31	30	25	15	15	25	58	44	94	12
20	33	29	36	31	70	47	70	27	41	27	28	16	17	29	17	15	12	29	8	18	36	51	75	69	35	75	8
21	85	87	84	49	53	53	60	83	58	43	35	10	31	17	17	19	9	12	37	53	50	34	30	30	43	87	9
22	40	82	34	67	44	59	49	29	33	15	34	17	28	23	21	15	24	27	21	41	92	81	73	39	41	92	15
23	28	17	15	8	15	31	13	42	24	58	21	16	16	13	9	12	13	14	24	14	15	13	33	54	22	58	8
24	26	27	50	59	41	94	80	24	33	28	13	21	14	18	13	34	25	89	38	89	59	25	32	39	40	94	13
25	18	13	19	46	21	26	20	19	81	41	16	16	16	21	17	10	28	12	7	6	15	19	81	25	25	81	6
26	18	17	10	9	12	31	14	13	15	15	17	14	12	13	14	14	15	21	16	11	11	10	11	10	14	31	9
27	11	11	8	10	10	9	9	10	17	10	10	14	14	12	15	16	13	11	9	18	51	45	34	43	17	51	8
28	39	45	60	51	43	54	39	38	68	58	82	19	17	16	16	16	71	68	48	22	32	68	60	83	46	83	16
29	82	17	68	35	13	76	43	50	19	11	14	16	12	14	11	10	10	8	25	74	47	68	40	57	34	82	8
30	69	53	57	69	58	51	44	63	90	74	41	13	16	14	16	10	11	12	23	24	26	24	19	14	37	90	10
31	13	12	14	35	43	57	74	56	89	82	94	31	17	32	16	12	42	72	21	56	47	22	24	45	42	94	12
Avg	38	34	41	45	44	48	47	43	52	40	29	20	19	22	18	18	18	25	24	32	28	33	38	38	33	80	10
Max	87	87	84	97	95	94	94	93	97	82	94	66	40	90	54	78	71	89	73	90	92	81	81	83	46	97	16
Min	11	10	8	7	10	9	9	10	12	8	10	9	9	10	9	9	7	8	7	6	6	7	10	10	14	31	6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
November 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	27	24	33	46	40	76	80	81	44	90	25	14	16	15	12	13	90	85	78	51	17	91	42	38	47	91	12
2	86	75	45	83	42	15	28	12	13	9	13	14	14	14	10	10	10	10	10	12	13	11	11	25	24	86	9
3	9	33	23	41	27	42	39	77	67	60	47	17	18	16	14	11	10	10	50	22	22	76	40	62	35	77	9
4	66	68	44	51	79	87	50	34	16	16	36	41	11	11	20	70	16	10	22	13	20	16	15	14	34	87	10
5	11	10	10	9	11	12	11	12	14	14	15	12	12	13	11	14	19	19	35	79	24	52	48	62	22	79	9
6	41	53	42	24	36	22	30	77	54	26	13	18	10	9	25	21	17	7	9	8	8	12	12	11	24	77	7
7	11	14	12	13	13	9	10	14	21	13	16	19	20	14	11	12	9	11	14	39	60	48	51	52	21	60	9
8	88	69	75	74	78	78	91	86	81	45	22	15	13	12	12	14	16	19	14	8	58	35	42	13	44	91	8
9	15	18	12	9	9	17	16	37	43	16	22	28	17	11	11	13	16	12	12	14	15	21	20	15	17	43	9
10	14	9	17	53	11	12	8	29	33	54	29	31	16	14	33	12	21	20	15	16	13	9	14	14	21	54	8
11	17	14	12	12	9	25	13	17	18	27	11	15	21	16	9	15	23	23	19	17	14	53	22	23	19	53	9
12	67	14	24	12	30	17	39	80	53	64	37	27	20	18	19	9	7	7	24	66	27	39	55	40	33	80	7
13	86	74	43	28	47	77	50	82	75	78	30	25	40	24	26	16	19	49	32	31	95	46	70	75	51	95	16
14	50	59	91	90	92	95	65	83	45	89	30	27	14	20	24	14	90	65	29	27	8	19	14	25	49	95	8
15	6	5	34	25	68	28	38	33	32	82	55	14	15	16	11	12	13	56	71	39	69	65	59	38	37	82	5
16	22	40	80	15	28	28	82	10	11	6	7	8	15	10	10	9	8	29	32	19	52	21	48	70	28	82	6
17	89	35	58	84	62	75	64	86	82	91	74	41	70	17	24	45	58	20	59	28	42	54	50	76	58	91	17
18	62	52	89	102	74	86	64	49	32	57	59	34	27	7	10	24	24	67	23	19	15	27	27	31	44	102	7
19	46	37	64	56	74	71	38	49	41	52	42	42	21	9	8	12	79	33	41	28	42	40	55	55	43	79	8
20	33	92	47	58	89	65	76	65	78	72	100	92	72	19	17	11	29	22	64	80	16	11	24	28	53	100	11
21	13	12	10	14	22	28	18	11	16	29	22	17	16	16	14	12	14	50	70	15	62	19	11	14	22	70	10
22	40	35	26	21	11	12	14	12	32	15	12	13	16	14	12	12	11	11	9	9	10	9	10	13	16	40	9
23	8	11	14	24	14	17	10	8	29	13	9	11	11	10	9	11	13	13	11	10	11	21	10	12	13	29	8
24	11	10	9	10	9	12	14	10	7	38	11	12	11	14	11	16	13	12	12	12	12	34	55	53	17	55	7
25	61	53	41	14	12	13	11	10	9	13	11	11	18	12	27	12	15	19	20	37	39	34	65	95	27	95	9
26	35	15	46	21	17	ND	ND	ND	ND	ND	ND	ND	41	95	66	25	94	65	23	37	60	48	41	66	47	95	15
27	71	96	58	75	44	80	66	45	50	99	51	12	31	67	61	78	51	45	51	50	17	27	14	13	52	99	12
28	16	14	10	12	13	11	9	14	27	9	10	11	11	12	13	12	26	35	12	17	18	10	9	10	14	35	9
29	10	9	22	30	11	16	22	21	44	30	21	21	18	23	14	21	23	16	31	46	25	21	57	30	24	57	9
30	86	60	60	94	23	70	62	40	40	88	95	30	30	20	84	40	20	31	16	28	23	55	28	37	48	95	16
Avg	40	37	38	40	37	41	39	41	38	45	32	23	22	19	21	20	28	29	30	29	30	34	34	37	33	76	10
Max	89	96	91	102	92	95	91	86	82	99	100	92	72	95	84	78	94	85	78	80	95	91	70	95	58	102	17
Min	6	5	9	9	9	9	8	8	7	6	7	8	10	7	8	9	7	7	9	8	8	9	9	10	13	29	5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
December 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	18	18	13	12	13	22	21	51	24	44	89	74	40	59	27	26	31	26	44	11	14	10	9	9	29	89	9
2	11	18	9	16	11	12	7	10	8	9	12	11	10	10	11	11	47	36	41	30	46	27	49	52	21	52	7
3	49	42	34	25	28	24	27	17	26	26	77	91	56	25	37	82	72	33	39	53	74	36	36	31	43	91	17
4	54	86	91	88	70	96	68	92	93	59	54	52	50	28	14	14	30	33	54	22	42	64	58	32	56	96	14
5	55	49	68	21	54	55	63	86	34	38	33	27	11	19	48	67	22	58	24	26	23	ND	ND	ND	42	86	11
6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	73	51	24	13	10	53	64	28	21	37	28	21	73	19	37	73	10
7	28	11	10	10	10	9	9	12	81	83	12	11	14	15	21	13	45	32	38	41	47	62	45	22	28	83	9
8	53	41	23	60	53	27	24	17	17	49	66	43	62	48	10	45	80	30	11	19	33	20	22	19	36	80	10
9	24	53	44	30	75	81	54	53	42	68	63	73	45	10	23	55	36	43	45	62	43	40	27	83	49	83	10
10	83	77	85	82	74	73	41	40	20	43	78	100	67	69	84	41	14	8	21	35	21	12	32	32	51	100	8
11	51	23	53	14	10	13	28	23	41	19	30	31	13	13	30	27	55	24	63	66	37	10	30	14	30	66	10
12	95	57	19	24	26	14	56	70	44	35	10	33	14	14	14	18	14	87	7	40	26	42	50	51	36	95	7
13	86	88	51	10	75	40	36	53	48	66	74	19	8	13	12	10	13	9	7	10	10	9	10	12	32	88	7
14	9	8	9	10	10	11	11	11	9	13	20	15	21	20	22	13	15	6	8	10	8	13	9	17	12	22	6
15	13	7	43	77	50	40	79	23	45	80	74	55	17	13	16	16	14	13	7	Pw	Pw	Pw	Pw	Pw	36	80	7
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	16	19	20	91	29	34	41	34	51	65	87	44	91	16
18	58	81	60	79	89	99	95	86	45	64	66	51	27	15	34	67	54	40	20	20	26	25	76	55	56	99	15
19	63	61	87	88	71	49	33	74	61	80	Au	Au	Au	Au	36	27	23	46	36	20	37	66	23	16	50	88	16
20	18	23	14	60	14	75	60	35	32	53	43	100	75	68	11	14	24	38	69	51	18	28	29	90	43	100	11
21	17	21	17	26	16	22	57	50	36	15	10	12	11	10	10	14	11	10	8	9	8	15	64	85	23	85	8
22	39	48	33	64	63	26	12	12	8	7	6	8	8	10	9	9	10	8	11	14	17	18	15	26	20	64	6
23	78	70	39	78	77	45	85	48	73	74	67	82	54	80	71	33	61	56	63	52	83	67	66	45	64	85	33
24	90	50	34	27	65	44	12	65	17	42	69	31	64	37	35	37	34	15	76	33	33	26	31	55	43	90	12
25	99	34	101	35	11	11	12	9	9	15	7	8	22	8	12	15	47	40	88	37	39	62	58	56	35	101	7
26	68	93	71	60	94	47	99	90	59	78	58	34	11	6	61	73	69	33	35	89	74	69	37	65	61	99	6
27	78	87	93	78	48	12	9	12	12	10	14	13	11	11	16	30	53	82	19	11	9	17	12	8	31	93	8
28	9	26	7	7	55	12	15	21	83	48	20	18	9	9	9	18	15	21	12	11	8	7	5	19	19	83	5
29	30	97	50	91	36	35	49	68	90	37	8	47	32	17	38	78	80	50	42	44	52	16	48	45	49	97	8
30	70	79	54	87	74	44	95	64	89	55	32	64	56	76	77	46	61	34	30	45	60	43	42	65	60	95	30
31	40	22	12	23	43	41	89	60	92	36	20	44	24	97	54	55	56	62	37	46	36	37	52	56	47	97	12
Avg	50	49	44	46	47	39	45	45	44	45	42	43	31	29	29	34	41	34	34	34	34	33	38	42	39	85	11
Max	99	97	101	91	94	99	99	92	93	83	89	100	75	97	84	82	91	87	88	89	83	69	76	90	64	101	33
Min	9	7	7	7	10	9	7	9	8	7	6	8	8	6	9	9	10	6	7	9	8	7	5	8	12	22	5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
October 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	2.7	2.6	2.8	3.0	3.1	2.9	2.5	2.1	3.0	3.9	4.9	4.4	3.7	5.7	7.1	7.3	7.2	6.7	5.5	4.7	3.9	3.6	3.0	3.1	4.1	7.3	2.1
2	3.2	2.8	1.7	2.3	3.9	4.1	2.9	0.6	-0.2	-0.4	-0.4	-0.9	-0.3	-0.5	-0.5	-1.0	-1.2	-1.4	-2.3	-2.9	-3.1	-4.0	-5.3	-5.8	-0.4	4.1	-5.8
3	-6.8	-7.2	-8.2	-8.5	-9.0	-9.3	-9.6	-8.3	-4.4	0.5	3.5	5.0	6.7	8.1	9.1	10.1	10.1	9.4	5.5	1.0	0.0	-1.0	-2.2	-2.4	-0.3	10.1	-9.6
4	-2.6	-2.9	-2.5	-1.9	-1.2	-1.1	0.4	2.7	9.5	11.8	13.0	14.2	15.3	16.2	16.3	16.3	15.9	15.0	13.9	13.0	12.4	11.9	10.0	8.1	8.5	16.3	-2.9
5	6.1	5.3	6.4	6.5	5.5	2.5	1.9	3.2	9.7	11.7	12.3	13.3	14.2	15.0	15.4	15.6	14.8	14.3	13.3	10.2	6.2	3.1	2.3	1.1	8.7	15.6	1.1
6	0.2	0.0	-0.7	-0.4	1.2	3.8	3.6	4.0	9.0	13.4	14.1	15.8	17.4	18.2	18.6	18.4	18.1	17.0	15.4	14.8	14.2	12.0	10.9	10.8	10.4	18.6	-0.7
7	10.4	6.8	4.6	3.9	3.5	3.1	3.0	3.9	7.4	13.0	Au	Au	Au	Au	18.4	18.6	18.5	17.2	13.4	10.6	9.7	8.0	5.5	4.4	9.2	18.6	3.0
8	2.5	2.1	0.9	1.1	1.4	0.9	0.5	1.1	4.1	10.1	14.9	15.0	15.4	16.2	16.8	16.8	16.5	14.3	10.2	8.8	6.8	6.4	5.4	5.3	8.1	16.8	0.5
9	5.4	6.2	4.9	5.4	5.3	4.5	4.3	3.6	7.6	10.5	11.6	12.6	13.1	13.2	13.4	13.0	12.0	10.6	8.8	8.0	6.8	5.8	5.2	3.9	8.2	13.4	3.6
10	2.8	1.2	-0.2	-1.5	-2.0	-2.2	-2.5	-2.7	0.9	6.5	10.7	12.8	13.8	14.6	15.1	15.6	15.4	13.6	8.9	5.4	4.1	2.2	0.9	0.3	5.6	15.6	-2.7
11	-0.8	-1.7	-2.0	-1.7	-1.5	-0.2	-0.1	0.8	2.5	7.5	12.3	12.9	12.4	12.1	12.0	12.6	12.8	10.1	7.0	5.9	5.8	4.8	4.8	4.6	5.5	12.9	-2.0
12	4.4	4.2	3.8	4.1	3.8	3.2	2.4	2.6	2.4	3.4	4.1	4.9	5.7	5.2	4.9	5.9	5.0	5.7	5.1	3.6	1.2	-0.2	-1.7	-2.3	3.4	5.9	-2.3
13	-3.4	-3.7	-3.9	-4.5	-4.9	-5.2	-5.2	-3.8	-0.2	3.9	7.1	8.8	9.8	10.7	10.2	10.8	11.2	9.0	5.1	3.8	3.3	3.5	3.2	3.3	2.9	11.2	-5.2
14	4.0	5.6	5.0	6.1	5.6	5.6	4.5	5.7	9.4	12.3	14.3	15.5	16.8	17.3	17.6	17.7	16.5	15.3	10.9	7.7	5.5	4.5	3.4	3.8	9.6	17.7	3.4
15	3.2	3.4	3.8	5.2	6.6	6.8	6.4	6.9	8.5	12.4	15.7	17.0	18.0	18.3	18.5	17.3	14.3	9.1	6.4	5.1	5.2	4.8	4.7	5.0	9.3	18.5	3.2
16	5.0	4.8	4.4	4.3	4.1	3.8	3.3	3.4	4.4	5.5	6.6	7.5	7.7	8.0	8.5	8.1	7.7	6.5	4.0	3.5	2.1	0.6	-0.6	-1.4	4.7	8.5	-1.4
17	-2.6	-3.9	-4.3	-5.0	-4.9	-5.1	-5.1	-5.1	-1.1	5.3	9.2	10.4	11.3	12.0	12.6	12.7	12.7	10.2	8.3	6.2	4.6	3.0	2.3	0.7	3.5	12.7	-5.1
18	0.0	0.3	-1.3	-1.3	-1.5	-1.1	-0.8	-0.6	0.9	7.1	12.4	13.1	13.8	13.5	14.2	14.8	14.2	12.8	10.9	7.2	5.5	3.3	2.3	0.8	5.9	14.8	-1.5
19	-0.5	-1.1	-1.6	-2.5	-2.8	-2.6	-2.9	-2.6	0.7	6.9	12.5	14.8	16.2	17.1	17.5	17.7	17.0	11.6	6.6	4.3	3.4	2.6	1.4	0.2	5.6	17.7	-2.9
20	-0.7	-1.5	-1.4	-1.4	-2.0	-2.1	-2.2	-1.4	3.8	12.3	16.3	17.8	18.6	19.5	19.8	19.8	19.1	14.2	10.9	7.6	6.3	5.2	5.9	4.7	7.9	19.8	-2.2
21	2.8	2.5	3.2	3.8	2.4	2.5	2.3	3.0	4.5	8.7	10.6	12.9	14.4	7.9	8.3	6.2	3.6	1.9	0.5	1.1	2.0	2.1	2.4	2.5	4.7	14.4	0.5
22	2.2	2.3	1.4	0.8	0.0	-0.2	-0.5	-0.2	0.9	3.5	5.6	6.7	7.5	8.3	8.9	9.3	8.9	5.9	3.5	2.1	0.5	-0.7	0.3	3.2	3.3	9.3	-0.7
23	4.5	4.8	6.6	7.4	6.5	7.0	7.0	7.6	8.6	10.1	10.3	11.2	12.2	12.5	12.5	12.3	12.3	11.6	10.0	9.7	8.4	7.3	6.4	6.4	8.9	12.5	4.5
24	5.4	5.1	4.2	4.1	6.1	5.7	5.5	5.3	5.6	6.0	6.5	6.9	7.6	8.0	8.4	8.1	7.6	7.0	6.2	5.5	5.4	4.0	2.3	1.6	5.8	8.4	1.6
25	0.2	2.1	2.7	2.8	2.0	0.9	-0.1	-0.3	2.3	7.6	13.0	15.0	16.5	17.1	18.0	17.3	16.0	16.1	15.9	15.3	12.4	8.1	8.3	11.1	9.2	18.0	-0.3
26	11.6	11.6	10.4	9.1	9.0	8.0	4.7	3.7	4.0	4.8	5.1	5.3	4.9	5.4	5.1	5.0	4.3	3.1	2.6	1.9	1.7	1.5	1.5	1.3	5.2	11.6	1.3
27	1.1	1.1	0.2	0.2	0.5	-0.1	-0.2	-0.5	-0.1	0.8	1.4	2.0	2.6	2.5	2.1	2.0	1.9	1.6	0.8	-0.3	-1.9	-2.1	-2.3	-3.3	0.4	2.6	-3.3
28	-4.2	-5.7	-7.1	-7.9	-8.5	-8.6	-9.1	-9.5	-6.4	-2.2	1.8	4.1	5.3	6.4	7.1	7.0	6.2	4.8	2.3	1.4	0.0	-1.0	-0.3	0.2	-1.0	7.1	-9.5
29	1.1	3.4	4.6	5.5	4.9	4.8	5.1	4.3	5.6	6.6	6.9	8.1	8.5	8.9	8.5	8.3	8.1	7.5	6.1	4.1	0.6	-1.6	-2.7	-3.5	4.7	8.9	-3.5
30	-4.4	-4.9	-5.4	-6.1	-5.5	-6.3	-5.9	-5.9	-3.9	1.9	7.1	9.1	10.1	10.3	11.0	11.2	9.5	8.4	7.5	7.1	6.7	6.6	6.5	5.9	2.9	11.2	-6.3
31	5.2	4.9	4.5	3.0	1.9	0.0	-1.1	-1.8	-1.1	3.1	11.4	13.8	14.7	15.8	16.1	15.3	13.8	10.9	7.4	5.7	5.7	4.4	2.4	1.0	6.5	16.1	-1.8
Avg	1.9	1.6	1.2	1.2	1.1	0.8	0.5	0.7	3.2	6.7	9.2	10.3	11.1	11.4	12.0	11.9	11.3	9.7	7.4	5.9	4.7	3.5	2.8	2.4	5.5	12.8	-1.4
Max	11.6	11.6	10.4	9.1	9.0	8.0	7.0	7.6	9.7	13.4	16.3	17.8	18.6	19.5	19.8	19.8	19.1	17.2	15.9	15.3	14.2	12.0	10.9	11.1	10.4	19.8	4.5
Min	-6.8	-7.2	-8.2	-8.5	-9.0	-9.3	-9.6	-9.5	-6.4	-2.2	-0.4	-0.9	-0.3	-0.5	-0.5	-1.0	-1.2	-1.4	-2.3	-2.9	-3.1	-4.0	-5.3	-5.8	-1.0	2.6	-9.6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
November 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.3	-0.4	-1.1	-1.2	-1.0	-0.4	1.4	3.3	3.7	9.4	13.9	15.4	16.0	16.5	16.4	15.4	10.9	4.1	4.7	3.3	3.2	2.9	2.3	1.9	5.9	16.5	-1.2
2	1.7	0.9	1.8	2.5	2.9	2.3	0.9	0.6	0.4	-0.6	-0.5	-0.4	0.8	1.0	1.0	0.9	0.5	0.2	0.0	-0.2	-0.3	-0.6	-0.9	-1.6	0.6	2.9	-1.6
3	-2.4	-3.6	-4.8	-6.3	-7.2	-7.8	-8.1	-8.6	-6.8	-2.7	0.4	1.6	2.3	2.7	3.0	3.3	2.8	1.8	0.8	-0.4	-1.6	-2.8	-3.4	-3.6	-2.1	3.3	-8.6
4	-1.3	-1.2	-2.6	-2.7	-2.6	-1.8	-1.4	-0.2	0.6	2.0	3.3	4.1	5.0	5.9	6.0	5.4	5.5	5.6	5.6	5.5	5.2	5.2	5.4	5.8	2.6	6.0	-2.7
5	5.9	5.4	5.0	4.8	4.8	4.7	4.5	4.5	4.9	5.7	6.2	6.8	7.2	6.9	7.2	7.2	7.0	6.3	5.4	4.7	2.1	0.0	-0.7	-1.5	4.8	7.2	-1.5
6	-1.8	-1.7	-0.8	-0.5	0.1	0.3	0.9	2.5	2.8	5.2	8.5	9.7	10.7	11.7	12.5	12.3	12.4	11.1	11.6	12.4	12.1	11.7	11.7	10.0	6.9	12.5	-1.8
7	8.2	7.6	7.5	7.1	6.9	5.9	4.6	3.8	3.7	4.7	5.8	6.0	6.6	6.7	6.8	7.0	6.1	5.0	3.8	1.3	-0.9	-2.1	-2.7	-3.7	4.4	8.2	-3.7
8	-4.6	-4.6	-5.9	-5.9	-6.0	-6.1	-6.2	-5.2	-2.4	3.3	6.9	8.5	9.9	10.1	10.2	9.1	8.2	7.5	8.2	8.5	6.8	7.4	8.1	9.3	3.1	10.2	-6.2
9	9.0	8.5	8.0	7.7	7.2	6.7	5.8	5.9	6.0	8.6	8.8	8.4	8.8	7.7	6.4	6.1	4.9	2.7	-1.5	-4.5	-7.0	-9.0	-11.1	-12.4	3.4	9.0	-12.4
10	-13.1	-13.4	-13.4	-13.8	-14.8	-14.8	-15.6	-15.2	-14.8	-14.0	-13.2	-12.2	-10.8	-10.6	-10.8	-11.9	-12.5	-13.3	-14.5	-15.7	-16.8	-18.1	-18.8	-19.5	-14.2	-10.6	-19.5
11	-19.8	-20.2	-21.1	-21.8	-22.0	-22.7	-23.6	-23.9	-22.8	-21.2	-20.5	-19.8	-18.5	-18.5	-18.8	-19.0	-18.8	-19.9	-20.5	-20.9	-21.0	-22.0	-23.0	-22.6	-21.0	-18.5	-23.9
12	-21.8	-22.1	-22.8	-24.6	-24.7	-25.9	-26.4	-26.8	-25.1	-21.5	-18.2	-17.0	-15.9	-14.8	-14.2	-14.7	-16.4	-18.1	-19.5	-21.1	-22.7	-23.9	-24.5	-24.9	-21.1	-14.2	-26.8
13	-25.8	-26.0	-26.3	-26.6	-26.9	-27.1	-27.3	-27.4	-25.5	-20.4	-15.8	-12.5	-10.1	-8.6	-8.1	-8.5	-11.1	-14.3	-16.4	-18.1	-20.0	-21.1	-22.1	-22.2	-19.5	-8.1	-27.4
14	-22.7	-23.7	-23.8	-23.9	-23.2	-21.0	-19.4	-18.4	-17.0	-15.4	-14.2	-12.7	-12.9	-13.3	-14.0	-14.5	-14.7	-15.6	-16.3	-17.1	-18.2	-18.6	-18.4	-18.3	-17.8	-12.7	-23.9
15	-19.0	-20.0	-20.9	-21.3	-22.1	-22.9	-24.1	-24.8	-24.0	-20.9	-18.1	-16.0	-14.6	-13.0	-12.6	-12.5	-14.0	-15.6	-17.5	-19.0	-18.0	-18.2	-18.4	-17.7	-18.6	-12.5	-24.8
16	-17.2	-17.0	-14.8	-14.7	-13.9	-13.3	-12.6	-11.6	-11.0	-9.9	-9.1	-8.3	-6.9	-6.1	-5.9	-6.2	-7.0	-8.0	-7.3	-7.9	-9.7	-11.1	-14.2	-16.4	-10.8	-5.9	-17.2
17	-17.7	-18.2	-20.2	-21.6	-22.4	-22.8	-23.7	-23.7	-22.4	-17.9	-13.4	-8.7	-6.0	-5.1	-4.5	-4.1	-5.2	-9.4	-12.6	-12.8	-14.2	-15.5	-16.3	-16.4	-14.8	-4.1	-23.7
18	-17.2	-16.9	-16.1	-15.3	-14.2	-12.6	-10.3	-9.0	-8.0	-7.2	-4.5	-2.4	-0.6	0.3	0.4	-0.3	-0.5	-1.9	-2.9	-4.5	-5.5	-6.5	-8.8	-11.2	-7.3	0.4	-17.2
19	-12.4	-13.6	-14.2	-14.6	-15.6	-15.8	-15.8	-17.0	-16.4	-13.5	-9.0	-3.3	0.2	1.0	1.4	1.0	0.1	-4.9	-6.6	-7.6	-8.4	-8.8	-10.0	-10.6	-8.9	1.4	-17.0
20	-11.1	-12.5	-12.2	-12.8	-13.1	-12.3	-11.8	-12.1	-11.7	-8.7	-5.8	-2.2	4.1	5.3	5.0	4.2	2.9	1.1	-0.4	1.2	1.8	1.8	1.6	1.1	-4.0	5.3	-13.1
21	0.7	0.4	0.1	0.4	0.7	0.5	1.3	1.4	1.0	1.4	2.2	3.2	3.8	4.1	3.5	3.1	2.9	2.3	1.1	-0.8	0.3	2.1	2.5	2.9	1.7	4.1	-0.8
22	3.0	3.0	2.6	3.2	3.2	1.8	1.7	2.0	2.0	2.4	3.2	3.5	3.6	2.2	1.3	0.8	0.0	-0.4	-0.9	-1.2	-1.6	-2.1	-2.6	-3.3	1.1	3.6	-3.3
23	-2.8	-2.6	-3.1	-3.6	-3.4	-3.4	-4.2	-4.2	-3.9	-3.1	-2.3	-1.4	-0.8	-0.4	-0.7	-0.8	-1.3	-0.7	-0.6	-0.8	-0.8	-0.9	-1.2	-2.0	-2.0	-0.4	-4.2
24	-2.8	-3.2	-3.2	-3.1	-3.3	-3.0	-2.8	-3.4	-3.5	-3.6	-3.0	-2.1	-1.8	-0.7	-1.0	-1.7	-2.1	-2.1	-1.9	-1.9	-1.8	-2.8	-3.0	-3.2	-2.5	-0.7	-3.6
25	-3.6	-3.6	-2.2	-0.1	0.1	0.0	-0.2	-0.6	-0.5	-0.6	-1.0	-1.1	-1.4	-2.1	-2.9	-3.7	-4.6	-5.1	-5.4	-5.4	-5.5	-5.6	-5.6	-5.8	-2.8	0.1	-5.8
26	-5.8	-5.8	-5.9	-6.0	-6.0	-6.0	-5.9	-6.0	-5.9	-5.6	-5.1	-4.7	-4.3	-3.8	-3.3	-2.8	-2.3	-2.0	-1.7	-2.2	-2.2	-2.4	-2.8	-3.0	-4.2	-1.7	-6.0
27	-3.0	-3.3	-3.0	-3.0	-1.8	-2.8	-2.7	-1.8	-1.7	-1.2	1.1	5.5	5.4	5.4	7.0	8.3	6.1	5.7	7.3	7.5	6.4	6.3	6.8	6.6	2.5	8.3	-3.3
28	6.9	6.9	6.8	6.9	6.8	6.6	6.3	6.0	5.6	5.5	6.1	6.6	7.0	7.5	7.7	7.1	6.8	6.6	6.9	5.8	4.9	5.8	5.9	5.0	6.4	7.7	4.9
29	4.2	2.6	0.2	-4.3	-12.4	-15.4	-17.9	-21.3	-22.2	-22.7	-23.5	-23.3	-22.6	-22.8	-23.0	-23.1	-23.8	-25.0	-25.2	-24.7	-24.6	-24.9	-24.4	-23.9	-18.5	4.2	-25.2
30	-24.6	-26.2	-27.7	-28.5	-26.3	-25.2	-24.9	-24.3	-23.6	-22.3	-19.4	-15.0	-12.2	-11.7	-11.4	-11.3	-14.2	-17.8	-19.8	-20.5	-21.9	-22.1	-22.9	-22.4	-20.7	-11.3	-28.5
Avg	-7.0	-7.5	-7.8	-8.1	-8.3	-8.5	-8.6	-8.5	-8.0	-6.2	-4.3	-2.8	-1.6	-1.2	-1.2	-1.5	-2.4	-3.8	-4.5	-5.2	-6.0	-6.5	-7.0	-7.5	-5.6	0.3	-11.7
Max	9.0	8.5	8.0	7.7	7.2	6.7	6.3	6.0	6.0	9.4	13.9	15.4	16.0	16.5	16.4	15.4	12.4	11.1	11.6	12.4	12.1	11.7	11.7	10.0	6.9	16.5	4.9
Min	-25.8	-26.2	-27.7	-28.5	-26.9	-27.1	-27.3	-27.4	-25.5	-22.7	-23.5	-23.3	-22.6	-22.8	-23.0	-23.1	-23.8	-25.0	-25.2	-24.7	-24.6	-24.9	-24.5	-24.9	-21.1	-18.5	-28.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
December 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-22.2	-21.9	-21.6	-21.1	-21.2	-19.8	-19.1	-19.7	-20.1	-17.6	-14.6	-9.8	-3.5	-2.9	-2.5	-1.7	-2.1	-2.5	-2.6	-2.0	-2.7	-3.0	-3.5	-4.4	-10.9	-1.7	-22.2
2	-5.0	-5.9	-6.5	-6.0	-5.6	-6.0	-6.7	-5.9	-5.8	-5.5	-4.9	-4.1	-3.8	-3.5	-3.4	-3.5	-4.6	-7.2	-10.5	-12.8	-14.3	-15.7	-16.6	-16.8	-7.5	-3.4	-16.8
3	-17.1	-17.8	-17.1	-15.7	-14.5	-14.0	-13.2	-13.2	-12.6	-11.0	-10.2	-8.2	-5.4	-1.5	1.4	1.8	-1.8	-4.9	-7.5	-8.2	-8.4	-9.1	-8.7	-8.4	-9.4	1.8	-17.8
4	-7.2	-6.2	-5.6	-4.1	-3.8	-2.7	-2.2	-1.6	-0.1	0.4	1.0	1.4	2.3	3.0	2.8	2.5	2.0	1.5	0.7	0.4	0.6	0.4	0.7	0.5	-0.6	3.0	-7.2
5	0.3	0.2	0.2	0.3	0.3	0.0	0.0	-0.1	0.2	0.7	1.4	2.0	2.7	3.2	3.1	2.5	2.1	1.6	1.2	0.2	-1.3	-2.5	-3.0	-3.8	0.5	3.2	-3.8
6	-3.8	-4.3	-4.6	-5.5	-5.0	-5.6	-5.5	-5.1	-5.3	-4.0	-2.6	3.1	7.2	7.4	4.8	3.5	3.3	3.6	3.2	2.1	1.9	2.0	1.8	2.4	-0.2	7.4	-5.6
7	2.3	2.7	2.7	2.6	2.5	2.3	2.1	1.8	0.7	1.4	2.7	3.0	3.2	3.5	3.6	3.4	2.3	0.3	-1.7	-4.1	-5.3	-7.0	-8.1	-8.4	0.4	3.6	-8.4
8	-9.3	-9.1	-9.4	-9.2	-8.8	-8.1	-7.7	-6.8	-6.3	-4.8	-3.0	-1.4	4.0	5.2	5.2	4.9	4.8	3.1	0.2	-1.5	-2.9	-4.1	-4.6	-5.4	-3.1	5.2	-9.4
9	-5.4	-6.5	-7.3	-7.5	-8.6	-8.1	-8.8	-8.7	-8.2	-6.0	-3.8	-0.4	5.7	8.0	7.9	5.6	3.6	1.4	0.2	-0.5	-0.7	-1.5	-2.2	-2.7	-2.3	8.0	-8.8
10	-3.0	-3.7	-3.4	-3.2	-3.9	-4.5	-4.4	-5.2	-4.4	-2.6	-1.1	1.9	3.9	4.8	6.2	5.2	3.1	2.3	1.7	0.7	0.0	0.5	0.0	-1.4	-0.4	6.2	-5.2
11	-1.5	0.2	2.9	5.9	7.5	7.1	6.4	6.0	6.1	6.9	7.3	7.4	7.8	8.4	8.5	7.8	7.6	4.4	4.9	6.0	4.6	3.6	4.1	7.8	5.7	8.5	-1.5
12	6.7	5.8	7.5	7.5	7.5	3.3	4.4	5.6	5.7	8.1	8.8	8.9	10.2	11.2	11.6	10.9	10.0	7.7	3.7	1.7	0.0	-0.6	-1.3	-1.3	6.0	11.6	-1.3
13	1.7	3.0	2.8	1.6	1.3	-0.3	-0.6	-1.2	-0.6	-0.1	1.6	4.6	3.1	0.7	-0.1	-0.2	-1.1	-1.6	-1.6	-1.4	-1.5	-1.9	-2.3	-2.5	0.1	4.6	-2.5
14	-2.8	-2.9	-3.0	-3.1	-3.3	-3.6	-3.9	-4.0	-3.8	-3.7	-3.4	-3.3	-3.1	-3.3	-3.9	-4.4	-4.9	-5.2	-5.4	-5.6	-6.0	-6.5	-6.5	-6.6	-4.3	-2.8	-6.6
15	-6.7	-7.0	-7.6	-7.9	-8.2	-8.5	-9.2	-11.0	-11.8	-11.9	-9.7	-6.4	-5.4	-4.6	-4.8	-5.1	-6.0	-6.6	-8.1	Pw	Pw	Pw	Pw	Pw	-7.7	-4.6	-11.9
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	-1.2	-1.1	-1.2	-3.1	-6.0	-8.7	-10.7	-12.1	-13.5	-14.2	-15.1	-7.9	-1.1	-15.1
18	-14.8	-14.8	-13.8	-12.2	-10.8	-9.7	-8.9	-8.1	-7.9	-6.8	-5.9	-3.6	-2.2	0.0	0.2	-0.2	-0.7	-1.5	-1.9	-1.9	-2.2	-2.5	-2.7	-2.8	-5.7	0.2	-14.8
19	-3.1	-4.6	-6.4	-7.7	-9.1	-10.1	-10.3	-11.1	-11.6	-10.7	Au	Au	Au	Au	2.7	2.2	1.7	1.3	0.1	0.1	0.1	-0.1	-0.2	-0.5	-3.9	2.7	-11.6
20	-0.8	-1.5	-2.4	-1.9	-2.4	-4.1	-6.3	-8.5	-9.5	-8.8	-8.0	-5.7	-3.6	-0.1	0.5	0.4	-0.3	-0.7	0.0	-0.8	-0.3	-0.5	-1.0	-0.9	-2.8	0.5	-9.5
21	0.8	0.7	1.1	0.2	0.0	0.0	0.1	0.0	0.6	1.9	2.3	2.3	2.3	2.3	2.0	2.4	2.2	1.0	0.0	-0.3	-0.6	-2.0	-3.5	-4.3	0.5	2.4	-4.3
22	-6.7	-6.2	-4.3	-4.2	-3.7	-3.2	-3.2	-3.3	-3.2	-3.2	-2.7	-2.8	-2.6	-2.6	-2.9	-3.2	-3.2	-3.5	-3.4	-3.4	-4.0	-4.1	-4.7	-4.8	-3.7	-2.6	-6.7
23	-6.3	-7.4	-8.6	-10.0	-10.9	-12.5	-11.7	-12.5	-14.4	-15.7	-14.7	-12.0	-7.8	-6.1	-5.0	-4.6	-7.0	-9.3	-10.2	-10.7	-11.1	-11.3	-10.3	-8.7	-9.9	-4.6	-15.7
24	-7.4	-4.2	-1.7	-1.2	-1.0	-1.7	-1.3	-0.7	-0.6	0.1	0.5	1.3	1.0	0.2	0.1	-0.2	-1.2	-1.6	-1.9	-2.0	-2.9	-3.2	-3.3	-3.4	-1.5	1.3	-7.4
25	-3.9	-4.6	-5.2	-5.5	-5.9	-6.1	-6.5	-7.1	-7.6	-7.8	-7.9	-7.3	-7.5	-8.0	-8.2	-8.8	-10.3	-12.7	-15.2	-15.5	-16.7	-18.7	-19.9	-20.0	-9.9	-3.9	-20.0
26	-18.8	-18.2	-16.8	-15.7	-15.5	-14.7	-14.0	-13.6	-13.2	-12.6	-11.7	-10.3	-9.6	-9.7	-10.1	-10.1	-12.2	-14.9	-17.4	-18.3	-18.7	-17.4	-16.1	-14.6	-14.3	-9.6	-18.8
27	-13.5	-12.2	-10.8	-10.5	-9.5	-9.1	-9.2	-9.1	-9.1	-8.6	-8.2	-7.5	-6.5	-6.7	-6.7	-7.1	-7.3	-7.3	-7.3	-7.5	-7.7	-7.4	-7.3	-7.0	-8.5	-6.5	-13.5
28	-6.9	-6.9	-6.9	-6.8	-7.0	-7.1	-7.2	-7.2	-7.3	-6.9	-7.0	-8.6	-10.0	-10.8	-10.5	-11.3	-12.2	-12.8	-13.4	-13.8	-14.2	-14.5	-15.0	-15.5	-10.0	-6.8	-15.5
29	-16.2	-17.1	-17.8	-18.5	-17.8	-17.8	-18.2	-18.4	-18.8	-19.4	-19.5	-19.3	-19.1	-18.1	-18.1	-18.3	-20.0	-22.1	-23.9	-24.6	-25.4	-27.1	-29.0	-30.0	-20.6	-16.2	-30.0
30	-31.3	-31.3	-32.9	-33.6	-34.1	-34.7	-35.3	-36.1	-36.0	-35.3	-34.4	-32.1	-29.6	-27.3	-24.4	-23.6	-24.4	-25.5	-25.8	-25.6	-25.9	-24.5	-22.7	-20.5	-29.5	-20.5	-36.1
31	-19.5	-18.6	-19.1	-20.9	-22.2	-22.4	-22.1	-20.4	-19.0	-17.6	-15.2	-13.4	-10.6	-10.6	-10.4	-10.6	-12.5	-15.0	-15.7	-17.7	-18.2	-17.9	-17.8	-18.3	-16.9	-10.4	-22.4
Avg	-7.6	-7.6	-7.4	-7.4	-7.4	-7.6	-7.7	-7.8	-7.7	-6.9	-5.8	-4.3	-2.7	-2.0	-1.7	-2.0	-3.1	-4.4	-5.5	-6.1	-6.8	-7.2	-7.5	-7.5	-5.9	-0.8	-12.3
Max	6.7	5.8	7.5	7.5	7.5	7.1	6.4	6.0	6.1	8.1	8.8	8.9	10.2	11.2	11.6	10.9	10.0	7.7	4.9	6.0	4.6	3.6	4.1	7.8	6.0	11.6	-1.3
Min	-31.3	-31.3	-32.9	-33.6	-34.1	-34.7	-35.3	-36.1	-36.0	-35.3	-34.4	-32.1	-29.6	-27.3	-24.4	-23.6	-24.4	-25.5	-25.8	-25.6	-25.9	-27.1	-29.0	-30.0	-29.5	-20.5	-36.1

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
October 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	2.7	2.6	2.8	3.1	3.1	2.9	2.5	2.2	3.2	4.3	5.4	4.8	3.9	5.8	7.3	7.4	7.2	6.5	4.9	4.0	3.2	2.9	2.2	2.6	4.1	7.4	2.2
2	2.3	1.9	0.6	1.4	3.6	3.9	2.7	0.6	-0.2	-0.3	-0.3	-0.7	0.2	-0.1	-0.2	-0.7	-1.1	-1.3	-2.3	-2.9	-3.4	-4.5	-5.6	-6.1	-0.5	3.9	-6.1
3	-7.0	-7.3	-8.8	-9.1	-9.6	-9.9	-10.1	-8.1	-4.2	0.9	4.4	6.0	7.7	9.1	10.0	10.8	10.3	9.1	3.8	0.7	-0.2	-1.4	-3.0	-3.4	-0.4	10.8	-10.1
4	-3.7	-3.9	-3.2	-2.6	-1.6	-1.8	-0.8	2.2	9.4	11.9	13.6	15.0	16.2	17.0	17.0	16.8	16.1	14.8	13.6	12.5	11.6	11.1	9.0	5.9	8.2	17.0	-3.9
5	4.6	3.7	3.8	4.8	2.3	0.8	0.9	3.0	9.9	12.3	12.9	14.3	15.2	16.0	16.2	16.2	14.5	13.4	11.6	7.9	3.9	2.7	1.7	0.2	8.0	16.2	0.2
6	-0.7	-1.3	-2.0	-1.4	-0.2	1.1	2.1	3.7	9.3	13.7	14.5	16.6	18.3	18.9	19.3	18.7	18.2	16.5	14.5	13.8	13.1	10.6	9.2	8.5	9.8	19.3	-2.0
7	8.2	5.2	4.0	3.3	2.6	2.0	2.3	3.6	7.7	13.5	Au	Au	Au	Au	19.1	19.2	18.7	16.1	12.1	10.2	9.5	6.9	4.0	2.9	8.6	19.2	2.0
8	1.2	0.5	-0.3	0.0	-0.1	-0.7	-0.9	0.5	4.3	10.5	15.8	15.8	16.3	17.1	17.6	17.5	16.7	13.3	9.8	8.5	6.2	5.4	4.3	4.1	7.6	17.6	-0.9
9	4.3	4.7	3.8	4.3	4.3	3.5	3.1	2.9	7.7	11.2	12.6	13.9	14.0	13.9	14.2	13.7	12.2	10.3	8.2	7.1	6.2	5.4	4.6	3.2	7.9	14.2	2.9
10	1.6	0.1	-0.8	-2.4	-3.0	-3.6	-4.0	-3.0	1.1	6.9	11.2	13.7	14.8	15.6	16.0	16.2	15.6	12.3	7.7	5.1	3.8	0.9	-0.5	-1.9	5.1	16.2	-4.0
11	-2.4	-2.9	-3.4	-3.2	-2.7	-1.2	-0.9	0.3	2.3	7.6	12.8	13.7	12.8	12.3	12.1	12.8	12.6	9.8	6.8	5.5	5.2	4.0	4.6	4.4	5.1	13.7	-3.4
12	4.1	3.9	3.5	3.9	3.6	3.1	2.3	2.5	2.5	3.6	4.5	5.2	5.9	5.6	5.2	6.0	4.8	5.5	4.7	3.1	0.6	-1.0	-2.3	-3.5	3.2	6.0	-3.5
13	-4.5	-4.8	-4.7	-5.3	-5.9	-6.2	-5.5	-3.7	0.0	4.3	7.7	9.6	10.6	11.5	10.5	11.1	11.4	7.9	4.4	3.6	2.5	2.8	2.3	2.3	2.6	11.5	-6.2
14	3.1	4.1	3.9	5.0	5.1	5.2	4.2	5.2	9.0	12.5	14.7	16.0	17.5	17.7	17.8	17.8	15.9	13.8	9.0	6.7	4.6	3.5	1.7	3.1	9.0	17.8	1.7
15	2.1	2.5	2.9	4.5	6.1	6.0	5.4	5.6	7.9	12.5	15.9	17.6	18.6	19.0	19.1	17.1	14.2	8.9	6.1	4.6	4.7	4.5	4.4	4.8	9.0	19.1	2.1
16	4.9	4.7	4.2	4.0	3.9	3.4	2.7	3.0	4.7	6.1	7.5	8.3	8.5	8.7	9.1	8.2	7.6	5.8	3.7	3.3	1.7	-0.2	-1.4	-2.3	4.6	9.1	-2.3
17	-4.0	-5.3	-5.5	-6.1	-6.3	-6.6	-6.7	-5.8	-0.9	5.8	10.0	11.4	12.4	12.9	13.3	13.0	12.8	9.7	7.7	4.4	2.8	0.6	0.3	-1.1	2.9	13.3	-6.7
18	-1.4	-1.1	-2.7	-2.5	-2.4	-2.3	-1.8	-1.8	1.1	7.6	12.9	13.9	14.3	13.9	14.8	15.3	14.2	12.0	9.2	5.7	3.3	1.0	-0.1	-0.3	5.1	15.3	-2.7
19	-1.7	-2.1	-3.2	-3.8	-4.3	-4.1	-4.4	-3.6	0.9	7.2	13.1	15.5	17.0	17.8	18.1	18.1	16.8	10.0	5.9	3.4	2.6	1.0	0.2	-1.6	5.0	18.1	-4.4
20	-2.4	-2.8	-3.3	-3.4	-3.6	-3.6	-4.0	-2.6	3.6	12.6	16.9	18.6	19.5	20.2	20.5	20.2	18.8	12.8	9.9	5.0	3.5	3.2	3.3	1.9	6.9	20.5	-4.0
21	0.7	1.0	0.8	1.8	0.8	1.1	1.0	2.5	4.3	8.4	10.9	13.4	14.7	8.3	8.8	6.5	3.6	1.9	0.5	1.0	1.7	1.8	1.9	2.1	4.1	14.7	0.5
22	1.9	1.8	0.6	0.0	-0.7	-0.9	-1.5	-0.9	0.8	3.9	6.1	7.4	8.3	9.1	9.5	9.8	8.9	5.2	2.6	0.8	-1.1	-1.7	-1.4	1.2	2.9	9.8	-1.7
23	2.9	3.2	5.4	6.8	5.7	6.4	6.2	7.3	8.5	10.3	10.6	11.8	12.8	12.9	12.6	12.2	12.0	10.9	8.4	9.2	8.1	7.0	6.0	6.1	8.5	12.9	2.9
24	5.1	4.3	3.4	3.5	5.5	5.3	4.9	5.0	5.6	6.3	6.8	7.4	8.1	8.5	8.8	8.3	7.5	6.7	5.9	5.2	5.1	3.4	1.5	0.7	5.5	8.8	0.7
25	-0.8	0.5	1.2	0.9	0.1	-0.4	-1.3	-1.5	2.2	7.9	13.5	15.5	17.1	17.6	18.1	17.0	15.3	15.4	15.4	14.4	10.6	6.9	6.7	9.9	8.4	18.1	-1.5
26	10.7	11.1	9.8	8.4	8.6	7.7	4.6	3.6	4.0	5.1	6.0	6.0	5.6	6.2	5.7	5.4	4.4	2.8	2.3	1.6	1.6	1.4	1.4	1.3	5.2	11.1	1.3
27	1.1	1.0	0.2	0.2	0.4	-0.1	-0.2	-0.4	0.1	1.0	1.6	2.4	3.0	2.8	2.3	2.2	2.0	1.5	0.5	-0.8	-2.8	-2.9	-3.3	-4.7	0.3	3.0	-4.7
28	-5.8	-6.8	-7.8	-8.7	-9.4	-9.5	-10.1	-10.5	-6.2	-1.8	2.2	4.9	6.1	7.3	7.6	7.3	6.0	4.2	2.0	1.2	-0.8	-1.7	-0.9	-0.3	-1.3	7.6	-10.5
29	0.5	3.1	4.1	5.2	4.8	4.6	4.5	3.7	5.4	6.8	7.4	8.9	9.0	9.5	8.6	8.1	8.0	7.2	5.4	2.8	-0.5	-2.3	-3.6	-4.4	4.5	9.5	-4.4
30	-5.5	-6.2	-6.8	-7.2	-7.4	-7.8	-7.4	-7.1	-3.9	2.1	7.4	9.8	10.9	10.9	11.5	11.4	9.5	8.3	7.1	6.6	6.4	6.5	6.0	5.2	2.5	11.5	-7.8
31	4.7	4.1	3.6	2.1	0.4	-1.3	-2.4	-3.4	-1.7	3.2	11.8	14.2	15.4	16.5	16.6	14.6	12.9	9.6	6.0	3.9	3.8	3.5	0.9	-0.6	5.8	16.6	-3.4
Avg	0.9	0.6	0.2	0.2	0.1	-0.1	-0.4	0.2	3.2	7.0	9.7	11.0	11.8	12.1	12.5	12.2	11.2	9.1	6.7	5.1	3.8	2.6	1.7	1.3	5.1	13.2	-2.5
Max	10.7	11.1	9.8	8.4	8.6	7.7	6.2	7.3	9.9	13.7	16.9	18.6	19.5	20.2	20.5	20.2	18.8	16.5	15.4	14.4	13.1	11.1	9.2	9.9	9.8	20.5	2.9
Min	-7.0	-7.3	-8.8	-9.1	-9.6	-9.9	-10.1	-10.5	-6.2	-1.8	-0.3	-0.7	0.2	-0.1	-0.2	-0.7	-1.1	-1.3	-2.3	-2.9	-3.4	-4.5	-5.6	-6.1	-1.3	3.0	-10.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
November 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-1.3	-2.2	-2.6	-2.6	-2.2	-1.1	0.3	2.2	3.3	8.2	14.3	16.0	16.7	16.8	16.7	15.4	10.8	4.0	4.5	3.2	3.2	2.9	2.1	1.7	5.4	16.8	-2.6
2	1.1	0.5	1.3	2.0	2.5	2.2	0.8	0.6	0.4	-0.4	-0.2	0.0	1.4	1.3	1.1	0.9	0.6	0.2	0.0	-0.2	-0.3	-0.6	-0.9	-1.9	0.5	2.5	-1.9
3	-3.3	-4.3	-5.5	-6.9	-7.9	-8.6	-9.2	-9.3	-6.6	-2.5	1.0	2.3	3.0	3.3	3.3	3.6	2.7	1.4	0.1	-1.6	-2.9	-4.2	-4.4	-4.7	-2.6	3.6	-9.3
4	-3.0	-2.4	-3.5	-3.6	-3.0	-2.2	-2.1	-0.8	0.4	1.8	3.2	4.0	5.0	5.9	6.0	5.0	5.0	5.3	5.3	5.3	5.0	5.0	5.2	5.6	2.2	6.0	-3.6
5	5.7	5.3	4.8	4.7	4.7	4.5	4.3	4.2	4.9	5.9	6.6	7.2	7.8	7.2	7.4	7.3	6.9	5.9	4.6	3.5	1.3	-0.5	-1.4	-2.4	4.6	7.8	-2.4
6	-2.7	-2.5	-1.8	-1.2	-0.8	-0.8	0.0	0.9	1.8	4.9	8.5	9.8	10.9	11.8	12.6	12.1	11.8	9.1	10.5	11.8	11.5	11.0	11.3	9.8	6.3	12.6	-2.7
7	8.1	7.5	7.4	6.9	6.6	5.5	4.2	3.3	3.6	4.9	6.4	6.5	7.2	7.0	7.1	7.2	6.0	4.7	3.2	0.3	-2.2	-2.8	-3.1	-4.9	4.2	8.1	-4.9
8	-5.8	-5.9	-6.9	-7.0	-7.1	-7.5	-7.3	-5.9	-2.2	3.2	7.2	9.0	10.3	10.5	10.6	9.1	7.8	6.6	7.6	7.8	5.7	6.6	7.6	8.9	2.6	10.6	-7.5
9	8.7	8.2	7.7	7.2	6.7	6.0	4.9	5.3	5.4	8.6	8.7	8.2	8.7	7.7	6.3	5.9	4.7	2.6	-1.4	-4.5	-7.0	-8.9	-10.9	-12.2	3.2	8.7	-12.2
10	-12.9	-13.1	-13.2	-13.7	-14.6	-14.6	-15.6	-15.0	-14.5	-13.7	-12.7	-11.6	-10.2	-10.2	-10.5	-11.7	-12.4	-13.2	-14.4	-15.6	-16.7	-17.9	-18.8	-19.6	-14.0	-10.2	-19.6
11	-19.8	-20.2	-21.0	-21.8	-21.9	-23.1	-24.4	-24.5	-22.7	-20.6	-19.7	-19.0	-17.7	-17.7	-18.2	-18.5	-18.7	-20.1	-20.8	-21.5	-21.3	-22.3	-23.0	-22.4	-20.9	-17.7	-24.5
12	-21.6	-22.1	-23.3	-25.1	-25.1	-26.6	-27.0	-27.1	-24.9	-21.2	-17.7	-16.4	-15.3	-14.2	-13.7	-14.3	-16.5	-18.6	-20.0	-22.0	-23.5	-24.6	-25.3	-26.0	-21.3	-13.7	-27.1
13	-26.5	-26.7	-27.2	-27.3	-27.7	-27.9	-27.9	-28.0	-25.3	-20.1	-15.3	-12.0	-9.5	-8.1	-7.7	-8.2	-11.8	-15.3	-17.5	-20.2	-21.7	-22.5	-23.3	-23.8	-20.1	-7.7	-28.0
14	-24.1	-24.8	-24.8	-24.5	-23.4	-20.8	-19.2	-18.2	-16.8	-15.1	-13.8	-12.3	-12.1	-12.8	-13.6	-14.1	-14.8	-16.3	-16.7	-17.7	-18.6	-18.9	-18.4	-18.4	-17.9	-12.1	-24.8
15	-19.1	-20.7	-21.4	-21.8	-22.7	-23.5	-24.5	-25.1	-24.0	-20.5	-17.6	-15.2	-13.8	-12.3	-12.0	-12.2	-14.3	-16.3	-18.7	-19.2	-18.3	-18.7	-18.7	-18.1	-18.7	-12.0	-25.1
16	-17.7	-17.4	-14.9	-14.5	-13.8	-13.1	-12.5	-11.6	-10.9	-9.8	-8.9	-8.0	-6.8	-6.0	-5.8	-6.3	-7.5	-8.7	-7.7	-8.8	-10.9	-14.0	-16.4	-18.8	-11.3	-5.8	-18.8
17	-20.4	-21.2	-22.1	-23.3	-23.9	-24.2	-24.9	-25.4	-22.8	-17.8	-13.3	-8.7	-5.5	-4.7	-4.2	-3.8	-5.9	-11.0	-13.4	-13.7	-15.3	-17.0	-17.5	-17.5	-15.7	-3.8	-25.4
18	-18.1	-17.8	-16.8	-16.3	-14.9	-13.3	-11.1	-9.9	-8.4	-7.4	-4.4	-2.2	-0.5	0.3	0.4	-0.8	-1.5	-2.4	-3.9	-5.2	-6.4	-8.0	-10.5	-12.5	-8.0	0.4	-18.1
19	-14.1	-15.0	-16.0	-16.9	-17.2	-17.9	-18.0	-18.5	-17.3	-13.4	-8.8	-2.6	0.6	1.3	1.4	0.4	-0.8	-6.1	-7.5	-8.5	-9.4	-10.3	-11.4	-12.0	-9.9	1.4	-18.5
20	-13.2	-13.7	-14.1	-14.4	-14.8	-13.9	-13.8	-14.0	-12.3	-9.0	-5.7	-2.1	4.3	5.5	5.0	3.7	2.3	-0.5	-2.1	0.6	1.4	1.3	1.1	0.5	-4.9	5.5	-14.8
21	0.1	0.0	-0.2	0.2	0.3	0.1	0.9	1.0	0.5	1.0	2.3	3.3	4.1	4.4	3.6	3.0	2.6	1.5	-0.7	-1.5	-0.4	1.8	2.3	2.8	1.4	4.4	-1.5
22	2.9	2.9	2.5	3.1	3.0	1.6	1.6	1.8	1.9	2.2	3.2	3.7	3.8	2.2	1.3	0.8	-0.2	-0.7	-1.2	-1.5	-1.9	-2.5	-3.1	-4.0	1.0	3.8	-4.0
23	-3.2	-2.7	-3.5	-4.2	-3.8	-3.5	-4.2	-4.3	-4.0	-3.2	-2.2	-1.2	-0.7	-0.2	-0.7	-0.9	-1.5	-0.9	-0.7	-1.0	-1.0	-1.0	-1.3	-2.1	-2.2	-0.2	-4.3
24	-2.8	-3.2	-3.2	-3.3	-3.5	-3.4	-3.1	-3.5	-3.7	-3.6	-2.9	-2.0	-2.0	-0.5	-1.0	-2.0	-2.5	-2.4	-2.1	-2.1	-2.0	-2.8	-3.1	-3.4	-2.7	-0.5	-3.7
25	-3.8	-3.9	-3.0	-0.4	0.0	0.0	-0.3	-0.6	-0.5	-0.6	-1.0	-1.1	-1.3	-2.1	-2.9	-3.7	-4.6	-5.2	-5.4	-5.4	-5.6	-5.7	-5.7	-5.9	-2.9	0.0	-5.9
26	-5.9	-5.8	-5.9	-6.0	-6.0	-6.0	-5.9	-6.0	-5.9	-5.5	-4.9	-4.6	-4.1	-3.6	-3.1	-2.7	-2.5	-2.4	-2.4	-3.2	-2.9	-2.9	-3.6	-3.6	-4.4	-2.4	-6.0
27	-3.6	-4.0	-3.7	-3.5	-3.1	-4.0	-4.0	-2.8	-2.4	-2.2	-0.2	4.0	4.3	4.3	6.2	7.8	5.4	4.2	6.4	6.8	5.2	5.4	5.9	5.9	1.6	7.8	-4.0
28	6.3	6.2	5.9	6.0	6.0	5.9	5.5	5.0	4.8	4.9	5.6	6.0	6.5	7.1	7.3	6.6	6.3	6.0	6.3	5.3	4.5	5.2	5.5	4.6	5.8	7.3	4.5
29	4.0	2.3	-0.4	-4.6	-12.1	-14.9	-17.4	-20.7	-21.7	-22.6	-23.3	-22.9	-22.1	-22.4	-22.6	-22.8	-23.6	-25.1	-25.1	-24.6	-24.4	-24.8	-24.2	-23.8	-18.3	4.0	-25.1
30	-25.1	-27.2	-29.2	-29.2	-26.3	-25.2	-25.1	-24.4	-23.6	-22.7	-19.6	-14.7	-12.0	-11.5	-10.9	-11.1	-15.1	-19.0	-22.1	-22.8	-24.7	-24.6	-25.9	-25.4	-21.6	-10.9	-29.2
Avg	-7.7	-8.1	-8.5	-8.7	-8.9	-9.0	-9.2	-9.0	-8.1	-6.2	-4.2	-2.6	-1.3	-1.0	-1.0	-1.5	-2.7	-4.4	-5.2	-5.9	-6.7	-7.2	-7.7	-8.1	-6.0	0.5	-12.4
Max	8.7	8.2	7.7	7.2	6.7	6.0	5.5	5.3	5.4	8.6	14.3	16.0	16.7	16.8	16.7	15.4	11.8	9.1	10.5	11.8	11.5	11.0	11.3	9.8	6.3	16.8	4.5
Min	-26.5	-27.2	-29.2	-29.2	-27.7	-27.9	-27.9	-28.0	-25.3	-22.7	-23.3	-22.9	-22.1	-22.4	-22.6	-22.8	-23.6	-25.1	-25.1	-24.6	-24.7	-24.8	-25.9	-26.0	-21.6	-17.7	-29.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
December 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-25.4	-25.5	-24.2	-24.4	-24.1	-22.7	-21.9	-22.4	-22.3	-18.4	-15.1	-10.7	-3.8	-2.7	-2.4	-1.7	-2.5	-2.9	-3.1	-2.2	-2.8	-3.1	-3.7	-4.8	-12.2	-1.7	-25.5
2	-5.5	-6.7	-7.3	-6.4	-5.9	-6.7	-7.9	-6.3	-6.2	-5.7	-5.0	-4.1	-3.7	-3.5	-3.4	-3.8	-5.6	-8.3	-11.2	-13.8	-16.0	-16.7	-18.3	-19.2	-8.2	-3.4	-19.2
3	-19.2	-19.5	-18.8	-17.6	-16.5	-16.1	-15.0	-15.1	-14.5	-12.4	-10.5	-8.5	-5.2	-1.4	1.6	1.3	-2.7	-7.2	-9.4	-9.5	-9.8	-10.4	-10.7	-10.0	-10.7	1.6	-19.5
4	-8.4	-6.9	-5.8	-4.6	-4.1	-3.2	-2.5	-1.9	-0.7	0.2	1.0	1.4	2.2	2.9	2.6	2.4	1.7	1.4	0.6	0.4	0.5	0.3	0.6	0.4	-0.8	2.9	-8.4
5	0.3	0.2	0.2	0.3	0.1	-0.2	-0.2	-0.3	0.0	0.6	1.3	1.9	2.6	3.0	2.8	2.3	1.9	1.4	1.1	-0.1	-1.8	-3.6	-4.6	-5.5	0.2	3.0	-5.5
6	-5.6	-6.1	-6.5	-7.2	-6.7	-7.4	-7.4	-7.0	-6.6	-5.5	-3.5	2.2	6.9	6.9	4.5	3.2	2.9	3.0	2.7	1.7	1.3	1.4	1.5	2.1	-1.2	6.9	-7.4
7	2.0	2.6	2.5	2.4	2.3	2.1	1.9	1.5	0.2	0.9	2.5	3.0	3.2	3.5	3.6	2.9	1.3	-1.1	-3.2	-5.0	-6.5	-8.2	-9.3	-10.1	-0.2	3.6	-10.1
8	-10.7	-10.5	-11.0	-10.5	-10.0	-9.3	-8.5	-7.8	-7.1	-5.5	-3.2	-1.2	4.0	4.9	4.9	4.5	4.2	2.5	0.0	-2.0	-3.9	-5.3	-6.2	-6.7	-3.9	4.9	-11.0
9	-7.2	-8.0	-8.7	-9.3	-9.6	-9.4	-9.7	-10.0	-9.1	-7.0	-4.6	-1.1	5.4	7.7	6.9	4.6	2.9	1.0	0.0	-1.1	-1.1	-2.2	-3.3	-3.6	-3.2	7.7	-10.0
10	-4.3	-4.9	-4.4	-4.1	-4.9	-5.9	-6.2	-6.5	-5.7	-3.3	-1.4	1.4	3.2	3.9	5.5	4.3	2.6	2.0	1.0	-0.2	-0.5	0.2	-0.2	-2.3	-1.3	5.5	-6.5
11	-3.0	-1.7	0.5	4.3	6.7	6.3	5.9	4.4	5.1	6.1	6.4	6.7	7.5	7.7	7.7	7.4	6.8	3.2	3.6	4.6	3.3	2.7	2.8	6.8	4.7	7.7	-3.0
12	6.0	4.8	6.3	6.4	6.5	2.0	3.0	4.4	4.1	7.0	7.3	8.3	9.6	10.5	10.7	9.7	8.2	6.3	2.5	1.0	-1.2	-1.5	-2.3	-2.6	4.9	10.7	-2.6
13	0.2	0.8	1.0	1.0	0.4	-1.3	-1.4	-1.9	-1.2	-0.3	1.6	4.3	3.0	0.7	0.0	-0.2	-1.1	-1.6	-1.7	-1.5	-1.6	-2.0	-2.3	-2.6	-0.3	4.3	-2.6
14	-2.8	-2.9	-3.1	-3.2	-3.3	-3.6	-3.9	-4.0	-3.8	-3.7	-3.3	-3.2	-3.0	-3.2	-3.8	-4.3	-4.9	-5.3	-5.5	-5.6	-6.0	-6.7	-6.5	-6.6	-4.3	-2.8	-6.7
15	-6.7	-7.1	-7.9	-8.3	-8.6	-8.7	-9.6	-12.0	-12.6	-12.0	-9.5	-6.2	-5.1	-4.4	-4.7	-5.4	-6.5	-7.0	-8.5	Pw	Pw	Pw	Pw	Pw	-7.9	-4.4	-12.6
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	-1.1	-0.8	-1.0	-4.3	-8.4	-10.9	-12.9	-13.8	-15.0	-15.7	-16.2	-9.1	-0.8	-16.2
18	-16.4	-16.1	-14.5	-12.4	-11.2	-9.7	-9.0	-8.5	-9.2	-7.5	-6.1	-3.6	-2.3	0.0	0.2	-0.3	-0.8	-1.7	-2.0	-2.0	-2.4	-2.8	-3.0	-3.2	-6.0	0.2	-16.4
19	-3.7	-6.2	-7.7	-9.5	-11.1	-11.9	-12.1	-12.4	-13.0	-11.7	Au	Au	Au	Au	2.5	1.7	1.1	0.8	-0.1	0.0	0.0	-0.4	-0.8	-0.6	-4.8	2.5	-13.0
20	-1.1	-2.7	-3.5	-2.9	-3.3	-5.1	-8.5	-9.1	-10.3	-9.7	-8.0	-5.6	-3.7	-0.1	0.5	0.2	-0.8	-1.1	-0.4	-1.4	-0.4	-0.8	-1.4	-1.4	-3.4	0.5	-10.3
21	0.6	0.5	0.8	0.1	-0.2	0.0	0.0	0.0	0.3	1.8	2.2	2.2	2.2	2.1	1.8	2.2	1.9	0.7	-0.3	-0.6	-1.1	-3.5	-4.2	-5.8	0.2	2.2	-5.8
22	-7.8	-7.2	-5.5	-5.2	-3.9	-3.3	-3.2	-3.3	-3.2	-3.2	-2.7	-2.8	-2.6	-2.6	-2.9	-3.3	-3.3	-3.5	-3.6	-3.6	-4.2	-4.4	-5.3	-5.5	-4.0	-2.6	-7.8
23	-7.3	-9.2	-10.1	-11.1	-13.5	-13.1	-12.6	-14.9	-17.1	-17.5	-16.1	-13.4	-10.2	-6.6	-5.9	-5.7	-8.2	-10.5	-11.4	-12.0	-12.5	-12.5	-11.0	-9.2	-11.3	-5.7	-17.5
24	-7.9	-5.0	-2.3	-1.5	-1.2	-1.8	-1.6	-1.2	-0.8	-0.2	0.0	1.3	0.8	0.1	0.0	-0.3	-1.1	-1.6	-1.8	-2.1	-2.9	-3.4	-3.5	-3.5	-1.7	1.3	-7.9
25	-4.0	-4.7	-5.3	-5.6	-6.0	-6.3	-6.7	-7.1	-7.6	-8.0	-8.3	-7.5	-7.9	-8.3	-8.5	-9.4	-11.5	-15.3	-16.9	-17.7	-18.7	-20.2	-21.6	-22.1	-10.6	-4.0	-22.1
26	-19.9	-18.7	-17.0	-15.8	-15.6	-14.8	-14.1	-13.9	-13.5	-12.9	-12.8	-10.7	-9.6	-9.9	-10.7	-10.7	-13.5	-16.6	-19.5	-19.9	-20.3	-18.0	-16.5	-15.7	-15.0	-9.6	-20.3
27	-15.5	-13.2	-11.7	-12.1	-9.8	-9.2	-9.1	-9.2	-9.0	-8.6	-8.3	-7.4	-6.5	-6.6	-6.6	-7.0	-7.4	-7.5	-7.5	-7.5	-7.6	-7.4	-7.2	-7.0	-8.7	-6.5	-15.5
28	-6.8	-6.8	-6.8	-6.8	-7.0	-7.2	-7.2	-7.5	-7.7	-7.1	-7.0	-8.6	-10.0	-10.8	-10.6	-11.4	-12.3	-13.0	-13.5	-13.8	-14.2	-14.5	-15.1	-15.8	-10.1	-6.8	-15.8
29	-16.7	-17.5	-18.5	-19.2	-18.3	-18.2	-18.6	-18.8	-19.2	-19.6	-20.0	-19.7	-19.5	-18.2	-18.5	-18.6	-20.3	-22.5	-24.5	-25.6	-27.0	-28.9	-30.9	-32.0	-21.3	-16.7	-32.0
30	-32.9	-32.9	-34.3	-34.6	-35.4	-36.4	-36.8	-37.6	-37.9	-37.3	-35.7	-33.2	-30.7	-28.7	-26.2	-24.5	-25.9	-26.9	-27.2	-27.4	-27.2	-25.3	-23.5	-21.2	-30.8	-21.2	-37.9
31	-20.1	-19.0	-19.5	-21.7	-23.2	-23.2	-22.6	-20.5	-18.9	-17.6	-15.2	-14.2	-11.1	-10.7	-10.8	-11.2	-13.7	-16.3	-17.0	-19.3	-19.2	-19.0	-19.0	-20.0	-17.6	-10.7	-23.2
Avg	-8.6	-8.6	-8.4	-8.3	-8.2	-8.4	-8.5	-8.6	-8.5	-7.5	-6.2	-4.6	-3.0	-2.2	-2.0	-2.4	-3.7	-5.2	-6.3	-6.9	-7.5	-8.0	-8.3	-8.4	-6.6	-1.0	-13.7
Max	6.0	4.8	6.3	6.4	6.7	6.3	5.9	4.4	5.1	7.0	7.3	8.3	9.6	10.5	10.7	9.7	8.2	6.3	3.6	4.6	3.3	2.7	2.8	6.8	4.9	10.7	-2.6
Min	-32.9	-32.9	-34.3	-34.6	-35.4	-36.4	-36.8	-37.6	-37.9	-37.3	-35.7	-33.2	-30.7	-28.7	-26.2	-24.5	-25.9	-26.9	-27.2	-27.4	-27.2	-28.9	-30.9	-32.0	-30.8	-21.2	-37.9

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
October 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-0.02	-0.04	-0.04	-0.03	0.00	0.03	-0.01	-0.12	-0.23	-0.39	-0.49	-0.38	-0.23	-0.18	-0.25	-0.18	-0.05	0.14	0.59	0.72	0.72	0.76	0.76	0.50	0.07	0.76	-0.49
2	0.88	0.93	1.11	0.94	0.33	0.20	0.17	0.02	-0.03	-0.05	-0.15	-0.20	-0.47	-0.46	-0.37	-0.31	-0.15	-0.03	0.03	0.05	0.26	0.45	0.31	0.31	0.16	1.11	-0.47
3	0.23	0.09	0.60	0.55	0.59	0.56	0.49	-0.17	-0.28	-0.45	-0.83	-0.95	-1.04	-0.97	-0.89	-0.66	-0.25	0.35	1.68	0.30	0.24	0.43	0.81	1.00	0.06	1.68	-1.04
4	1.05	1.01	0.74	0.66	0.47	0.74	1.17	0.53	0.17	-0.10	-0.60	-0.84	-0.92	-0.78	-0.69	-0.54	-0.19	0.26	0.38	0.46	0.77	0.78	0.99	2.13	0.32	2.13	-0.92
5	1.54	1.62	2.55	1.67	3.23	1.64	0.95	0.13	-0.15	-0.63	-0.61	-1.01	-0.98	-1.01	-0.80	-0.59	0.24	0.89	1.61	2.39	2.23	0.40	0.63	0.88	0.70	3.23	-1.01
6	0.94	1.33	1.25	0.94	1.46	2.70	1.46	0.28	-0.27	-0.37	-0.46	-0.81	-0.88	-0.68	-0.67	-0.36	-0.16	0.43	0.94	0.95	1.12	1.39	1.72	2.27	0.61	2.70	-0.88
7	2.21	1.58	0.58	0.52	0.92	1.10	0.70	0.34	-0.30	-0.46	Au	Au	Au	Au	-0.71	-0.57	-0.27	1.02	1.32	0.44	0.25	1.07	1.55	1.54	0.64	2.21	-0.71
8	1.25	1.60	1.23	1.03	1.54	1.59	1.47	0.64	-0.20	-0.37	-0.83	-0.77	-0.85	-0.91	-0.80	-0.62	-0.23	0.92	0.36	0.32	0.57	0.93	1.10	1.24	0.43	1.60	-0.91
9	1.14	1.49	1.12	1.08	1.01	1.01	1.27	0.79	-0.15	-0.71	-0.99	-1.34	-0.92	-0.66	-0.77	-0.65	-0.16	0.28	0.66	0.93	0.57	0.39	0.61	0.71	0.28	1.49	-1.34
10	1.10	1.11	0.57	0.95	1.07	1.44	1.52	0.34	-0.25	-0.45	-0.58	-0.96	-0.99	-0.98	-0.84	-0.63	-0.22	1.33	1.25	0.29	0.33	1.28	1.37	2.21	0.43	2.21	-0.99
11	1.58	1.16	1.39	1.51	1.23	0.95	0.80	0.48	0.16	-0.15	-0.53	-0.84	-0.45	-0.28	-0.11	-0.17	0.17	0.34	0.23	0.48	0.61	0.77	0.20	0.22	0.41	1.58	-0.84
12	0.24	0.31	0.35	0.27	0.22	0.11	0.08	0.00	-0.11	-0.22	-0.39	-0.30	-0.20	-0.41	-0.26	-0.09	0.21	0.26	0.39	0.43	0.60	0.79	0.64	1.13	0.17	1.13	-0.41
13	1.01	1.06	0.84	0.84	1.06	0.98	0.29	-0.10	-0.23	-0.35	-0.57	-0.72	-0.82	-0.79	-0.30	-0.30	-0.12	1.04	0.76	0.19	0.71	0.63	0.85	0.98	0.29	1.06	-0.82
14	0.92	1.53	1.08	1.14	0.45	0.39	0.27	0.42	0.41	-0.10	-0.42	-0.43	-0.72	-0.39	-0.25	-0.17	0.56	1.53	1.88	1.02	0.90	1.07	1.70	0.68	0.56	1.88	-0.72
15	1.03	0.92	0.94	0.71	0.53	0.81	0.99	1.22	0.53	-0.13	-0.26	-0.63	-0.57	-0.73	-0.60	0.12	0.16	0.16	0.30	0.45	0.46	0.34	0.31	0.20	0.30	1.22	-0.73
16	0.11	0.09	0.26	0.28	0.25	0.40	0.62	0.34	-0.27	-0.62	-0.82	-0.79	-0.77	-0.67	-0.64	-0.15	0.12	0.67	0.32	0.13	0.38	0.86	0.81	0.90	0.08	0.90	-0.82
17	1.33	1.49	1.14	1.13	1.37	1.51	1.57	0.67	-0.19	-0.50	-0.81	-1.00	-1.01	-0.90	-0.73	-0.33	-0.10	0.55	0.56	1.82	1.79	2.36	2.07	1.82	0.65	2.36	-1.01
18	1.46	1.41	1.39	1.25	0.91	1.14	1.05	1.22	-0.16	-0.51	-0.48	-0.74	-0.56	-0.35	-0.63	-0.44	0.00	0.86	1.74	1.56	2.19	2.25	2.45	1.13	0.76	2.45	-0.74
19	1.19	1.02	1.61	1.28	1.47	1.45	1.48	1.00	-0.18	-0.33	-0.54	-0.70	-0.74	-0.69	-0.66	-0.42	0.19	1.55	0.67	0.96	0.86	1.52	1.26	1.87	0.63	1.87	-0.74
20	1.72	1.37	1.90	2.01	1.61	1.52	1.86	1.25	0.13	-0.21	-0.56	-0.79	-0.87	-0.76	-0.66	-0.37	0.30	1.41	1.02	2.67	2.84	1.98	2.57	2.71	1.03	2.84	-0.87
21	2.14	1.51	2.35	1.99	1.66	1.35	1.32	0.51	0.21	0.31	-0.23	-0.44	-0.35	-0.40	-0.53	-0.23	-0.01	-0.02	0.03	0.14	0.30	0.38	0.51	0.42	0.54	2.35	-0.53
22	0.31	0.50	0.74	0.77	0.80	0.68	0.98	0.69	0.12	-0.36	-0.51	-0.71	-0.71	-0.76	-0.66	-0.47	-0.03	0.70	0.96	1.30	1.63	1.00	1.72	1.97	0.44	1.97	-0.76
23	1.56	1.60	1.16	0.62	0.82	0.55	0.75	0.31	0.04	-0.24	-0.30	-0.54	-0.61	-0.44	-0.10	0.16	0.29	0.72	1.58	0.55	0.34	0.29	0.37	0.33	0.41	1.60	-0.61
24	0.28	0.78	0.85	0.61	0.64	0.45	0.59	0.35	-0.04	-0.27	-0.38	-0.51	-0.48	-0.50	-0.43	-0.19	0.05	0.25	0.26	0.29	0.26	0.60	0.80	0.86	0.21	0.86	-0.51
25	1.02	1.56	1.55	1.95	1.96	1.36	1.17	1.18	0.15	-0.26	-0.49	-0.56	-0.60	-0.45	-0.05	0.30	0.69	0.78	0.52	0.85	1.88	1.20	1.61	1.19	0.77	1.96	-0.60
26	0.83	0.47	0.57	0.68	0.43	0.25	0.03	0.11	-0.05	-0.24	-0.84	-0.66	-0.62	-0.72	-0.63	-0.40	-0.07	0.26	0.31	0.25	0.10	0.06	0.02	0.01	0.01	0.83	-0.84
27	0.01	0.02	-0.02	0.00	0.03	0.01	0.00	-0.02	-0.20	-0.25	-0.20	-0.34	-0.36	-0.26	-0.17	-0.21	-0.06	0.09	0.26	0.54	0.95	0.84	0.93	1.48	0.13	1.48	-0.36
28	1.56	1.12	0.68	0.75	0.90	0.93	0.98	0.89	-0.20	-0.38	-0.41	-0.74	-0.88	-0.84	-0.54	-0.24	0.20	0.59	0.24	0.16	0.85	0.60	0.56	0.56	0.31	1.56	-0.88
29	0.54	0.24	0.53	0.35	0.17	0.23	0.54	0.55	0.24	-0.29	-0.46	-0.79	-0.57	-0.56	-0.10	0.13	0.12	0.26	0.70	1.29	1.14	0.70	0.85	0.93	0.28	1.29	-0.79
30	1.16	1.31	1.41	1.15	1.94	1.51	1.48	1.33	-0.08	-0.12	-0.30	-0.70	-0.79	-0.58	-0.51	-0.25	0.04	0.19	0.37	0.41	0.30	0.17	0.50	0.61	0.44	1.94	-0.79
31	0.51	0.84	0.86	0.90	1.44	1.31	1.25	1.51	0.62	-0.07	-0.31	-0.40	-0.72	-0.67	-0.45	0.64	0.92	1.37	1.38	1.79	1.87	0.96	1.54	1.61	0.78	1.87	-0.72
Avg	0.99	1.00	1.01	0.92	0.98	0.93	0.88	0.54	-0.03	-0.30	-0.51	-0.69	-0.69	-0.63	-0.51	-0.26	0.07	0.62	0.75	0.78	0.90	0.88	1.04	1.11	0.41	1.75	-0.77
Max	2.21	1.62	2.55	2.01	3.23	2.70	1.86	1.51	0.62	0.31	-0.15	-0.20	-0.20	-0.18	-0.05	0.64	0.92	1.55	1.88	2.67	2.84	2.36	2.57	2.71	1.03	3.23	-0.36
Min	-0.02	-0.04	-0.04	-0.03	0.00	0.01	-0.01	-0.17	-0.30	-0.71	-0.99	-1.34	-1.04	-1.01	-0.89	-0.66	-0.27	-0.03	0.03	0.05	0.10	0.06	0.02	0.01	0.01	0.76	-1.34

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
November 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.69	1.75	1.58	1.42	1.24	0.71	1.05	1.10	0.43	1.15	-0.41	-0.67	-0.68	-0.33	-0.30	0.02	0.12	0.18	0.18	0.07	0.00	0.02	0.22	0.21	0.45	1.75	-0.68
2	0.60	0.39	0.45	0.48	0.40	0.15	0.07	0.02	-0.01	-0.19	-0.25	-0.34	-0.60	-0.33	-0.10	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00	0.03	0.38	0.05	0.60	-0.60
3	0.88	0.73	0.65	0.60	0.75	0.73	1.09	0.66	-0.24	-0.18	-0.54	-0.70	-0.68	-0.57	-0.30	-0.26	0.08	0.36	0.74	1.19	1.38	1.37	1.05	1.09	0.41	1.38	-0.70
4	1.75	1.22	0.94	0.90	0.38	0.48	0.70	0.54	0.25	0.21	0.13	0.02	0.04	-0.05	0.07	0.41	0.44	0.30	0.25	0.17	0.21	0.24	0.18	0.16	0.41	1.75	-0.05
5	0.15	0.13	0.12	0.14	0.17	0.13	0.22	0.31	0.05	-0.16	-0.35	-0.44	-0.60	-0.28	-0.17	-0.09	0.09	0.34	0.80	1.20	0.79	0.48	0.67	0.93	0.19	1.20	-0.60
6	0.86	0.84	0.99	0.75	0.94	1.20	1.03	1.64	0.99	0.30	0.01	-0.11	-0.24	-0.02	-0.07	0.22	0.59	2.06	1.13	0.55	0.61	0.68	0.38	0.25	0.65	2.06	-0.24
7	0.07	0.11	0.14	0.20	0.27	0.40	0.40	0.43	0.12	-0.15	-0.64	-0.47	-0.50	-0.33	-0.26	-0.16	0.07	0.28	0.61	1.02	1.25	0.68	0.45	1.18	0.22	1.25	-0.64
8	1.24	1.31	0.94	1.15	1.08	1.38	1.11	0.78	-0.22	0.11	-0.21	-0.50	-0.43	-0.38	-0.45	-0.04	0.38	0.88	0.58	0.71	1.10	0.82	0.48	0.30	0.51	1.38	-0.50
9	0.27	0.29	0.32	0.53	0.45	0.67	0.91	0.65	0.58	0.02	0.15	0.19	0.10	0.01	0.06	0.17	0.21	0.10	-0.10	0.00	-0.01	-0.07	-0.16	-0.20	0.21	0.91	-0.20
10	-0.21	-0.23	-0.21	-0.24	-0.23	-0.19	0.05	-0.20	-0.30	-0.30	-0.47	-0.52	-0.59	-0.48	-0.28	-0.16	-0.11	-0.10	-0.11	-0.11	-0.12	-0.11	-0.03	0.01	-0.22	0.05	-0.59
11	0.01	0.00	-0.02	-0.05	-0.06	0.30	0.87	0.55	-0.20	-0.55	-0.76	-0.78	-0.80	-0.78	-0.61	-0.44	-0.12	0.13	0.25	0.60	0.35	0.31	-0.07	-0.16	-0.08	0.87	-0.80
12	-0.13	0.02	0.49	0.58	0.44	0.65	0.55	0.36	-0.16	-0.43	-0.59	-0.55	-0.54	-0.52	-0.46	-0.39	0.05	0.39	0.42	0.95	0.86	0.67	0.76	1.04	0.19	1.04	-0.59
13	0.71	0.72	0.84	0.69	0.86	0.83	0.57	0.54	-0.19	-0.34	-0.50	-0.52	-0.53	-0.47	-0.38	-0.31	0.75	0.98	1.10	2.10	1.70	1.41	1.20	1.57	0.56	2.10	-0.53
14	1.40	1.09	0.97	0.55	0.21	-0.18	-0.16	-0.16	-0.18	-0.23	-0.32	-0.41	-0.80	-0.50	-0.41	-0.32	0.11	0.71	0.44	0.53	0.44	0.33	0.04	0.06	0.13	1.40	-0.80
15	0.06	0.65	0.47	0.49	0.68	0.57	0.43	0.27	-0.02	-0.38	-0.58	-0.72	-0.78	-0.65	-0.54	-0.25	0.28	0.67	1.25	0.21	0.28	0.55	0.19	0.44	0.15	1.25	-0.78
16	0.60	0.41	0.04	-0.11	-0.11	-0.09	-0.05	-0.06	-0.10	-0.18	-0.19	-0.24	-0.17	-0.05	-0.11	0.10	0.51	0.71	0.37	0.86	1.16	2.90	2.21	2.38	0.45	2.90	-0.24
17	2.71	3.00	1.82	1.82	1.56	1.42	1.26	1.77	0.42	-0.09	-0.05	-0.01	-0.50	-0.40	-0.28	-0.35	0.72	1.68	0.80	0.94	1.16	1.42	1.20	1.01	0.96	3.00	-0.50
18	0.98	0.92	0.80	1.01	0.68	0.78	0.85	0.83	0.37	0.20	-0.10	-0.17	-0.15	-0.07	0.02	0.55	1.05	0.57	1.01	0.73	0.87	1.47	1.67	1.26	0.67	1.67	-0.17
19	1.74	1.35	1.75	2.27	1.55	2.11	2.27	1.50	0.92	-0.05	-0.18	-0.71	-0.39	-0.22	0.08	0.65	0.96	1.22	0.88	0.81	1.01	1.49	1.47	1.47	1.00	2.27	-0.71
20	2.08	1.27	1.93	1.69	1.71	1.59	2.04	1.82	0.62	0.27	-0.08	-0.07	-0.19	-0.22	0.02	0.47	0.54	1.58	1.66	0.59	0.46	0.52	0.46	0.63	0.89	2.08	-0.22
21	0.52	0.41	0.36	0.24	0.40	0.42	0.45	0.38	0.52	0.38	-0.01	-0.10	-0.24	-0.27	-0.11	0.13	0.28	0.83	1.90	0.73	0.72	0.36	0.24	0.18	0.36	1.90	-0.27
22	0.14	0.10	0.11	0.14	0.16	0.12	0.16	0.18	0.13	0.17	0.01	-0.12	-0.14	0.01	0.00	-0.01	0.21	0.26	0.29	0.30	0.34	0.35	0.49	0.72	0.17	0.72	-0.14
23	0.43	0.19	0.37	0.60	0.33	0.05	0.00	0.15	0.11	0.02	-0.08	-0.20	-0.21	-0.21	-0.01	0.10	0.21	0.11	0.14	0.17	0.16	0.14	0.09	0.05	0.11	0.60	-0.21
24	0.04	0.01	0.02	0.12	0.15	0.40	0.27	0.16	0.19	0.06	-0.10	-0.11	0.19	-0.12	0.06	0.29	0.32	0.31	0.20	0.23	0.20	0.03	0.08	0.23	0.13	0.40	-0.12
25	0.11	0.36	0.82	0.29	0.11	0.10	0.06	0.01	0.00	0.00	0.00	-0.02	-0.05	-0.01	-0.07	0.01	0.04	0.07	0.08	0.03	0.06	0.06	0.12	0.06	0.09	0.82	-0.07
26	0.05	-0.03	-0.01	0.01	0.03	0.00	0.00	0.04	-0.01	-0.13	-0.13	-0.09	-0.18	-0.18	-0.14	-0.12	0.24	0.45	0.69	1.05	0.68	0.49	0.74	0.63	0.17	1.05	-0.18
27	0.61	0.63	0.69	0.57	1.24	1.21	1.26	0.98	0.72	1.00	1.28	1.53	1.13	1.01	0.73	0.47	0.66	1.51	0.87	0.69	1.14	0.97	0.90	0.75	0.94	1.53	0.47
28	0.62	0.66	0.93	0.91	0.78	0.73	0.80	0.99	0.73	0.65	0.50	0.55	0.49	0.41	0.37	0.43	0.52	0.63	0.54	0.48	0.38	0.55	0.44	0.36	0.60	0.99	0.36
29	0.28	0.30	0.62	0.27	-0.32	-0.45	-0.51	-0.51	-0.41	-0.18	-0.26	-0.37	-0.43	-0.44	-0.41	-0.30	-0.21	0.04	-0.12	-0.18	-0.20	-0.10	-0.14	-0.12	-0.17	0.62	-0.51
30	0.46	0.98	1.56	0.79	-0.03	-0.08	0.24	0.10	-0.07	0.31	0.19	-0.29	-0.19	-0.22	-0.44	-0.14	0.89	1.22	2.16	2.34	2.81	2.59	3.04	3.00	0.88	3.04	-0.44
Avg	0.69	0.65	0.68	0.63	0.53	0.54	0.60	0.53	0.17	0.04	-0.15	-0.23	-0.29	-0.22	-0.15	0.02	0.33	0.62	0.63	0.63	0.66	0.69	0.61	0.66	0.37	1.42	-0.37
Max	2.71	3.00	1.93	2.27	1.71	2.11	2.27	1.82	0.99	1.15	1.28	1.53	1.13	1.01	0.73	0.65	1.05	2.06	2.16	2.34	2.81	2.90	3.04	3.00	1.00	3.04	0.47
Min	-0.21	-0.23	-0.21	-0.24	-0.32	-0.45	-0.51	-0.51	-0.41	-0.55	-0.76	-0.78	-0.80	-0.78	-0.61	-0.44	-0.21	-0.10	-0.12	-0.18	-0.20	-0.11	-0.16	-0.20	-0.22	0.05	-0.80

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
December 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	3.14	3.60	2.66	3.36	2.91	2.88	2.72	2.76	2.16	0.82	0.52	0.95	0.28	-0.17	-0.10	-0.05	0.40	0.38	0.50	0.22	0.16	0.14	0.20	0.44	1.29	3.60	-0.17
2	0.50	0.77	0.80	0.49	0.35	0.65	1.18	0.44	0.32	0.22	0.09	0.03	-0.07	-0.02	0.07	0.28	1.00	1.13	0.75	1.01	1.67	1.04	1.68	2.40	0.70	2.40	-0.07
3	2.06	1.65	1.65	1.83	2.00	2.01	1.79	1.98	1.86	1.37	0.36	0.31	-0.18	-0.15	-0.21	0.57	0.96	2.27	1.87	1.30	1.33	1.29	1.89	1.58	1.31	2.27	-0.21
4	1.24	0.65	0.23	0.49	0.37	0.49	0.33	0.36	0.60	0.25	0.03	0.00	0.05	0.15	0.12	0.14	0.24	0.11	0.08	0.06	0.12	0.10	0.06	0.09	0.27	1.24	0.00
5	0.01	0.01	0.00	0.05	0.10	0.14	0.25	0.19	0.19	0.13	0.09	0.07	0.11	0.22	0.27	0.19	0.19	0.12	0.10	0.35	0.43	1.10	1.60	1.64	0.31	1.64	0.00
6	1.78	1.80	1.86	1.77	1.71	1.87	1.89	1.84	1.31	1.45	0.94	0.97	0.32	0.48	0.39	0.28	0.45	0.52	0.49	0.45	0.54	0.58	0.31	0.28	1.01	1.89	0.28
7	0.26	0.19	0.19	0.24	0.21	0.22	0.17	0.37	0.56	0.45	0.14	0.04	0.02	0.01	0.06	0.41	1.01	1.38	1.45	0.86	1.16	1.17	1.27	1.75	0.57	1.75	0.01
8	1.45	1.41	1.61	1.32	1.17	1.15	0.84	1.02	0.83	0.65	0.20	-0.23	-0.09	0.32	0.33	0.46	0.56	0.68	0.24	0.51	1.05	1.18	1.65	1.36	0.82	1.65	-0.23
9	1.72	1.42	1.37	1.79	1.06	1.32	0.91	1.32	0.94	0.98	0.74	0.69	0.34	0.26	0.98	0.92	0.76	0.36	0.32	0.65	0.41	0.66	1.06	0.99	0.92	1.79	0.26
10	1.34	1.12	0.97	0.91	1.02	1.37	1.85	1.33	1.31	0.73	0.36	0.48	0.75	0.87	0.72	0.86	0.50	0.29	0.69	0.86	0.55	0.30	0.29	0.86	0.85	1.85	0.29
11	1.45	2.03	2.43	1.53	0.84	0.81	0.51	1.61	0.97	0.84	0.89	0.73	0.35	0.71	0.77	0.44	0.77	1.26	1.30	1.38	1.33	0.89	1.29	1.02	1.09	2.43	0.35
12	0.62	0.95	1.19	1.13	1.01	1.36	1.45	1.15	1.59	1.07	1.54	0.58	0.56	0.68	0.92	1.16	1.83	1.46	1.20	0.71	1.31	0.89	1.04	1.32	1.11	1.83	0.56
13	1.45	2.17	1.80	0.61	0.91	0.95	0.78	0.72	0.63	0.16	0.00	0.25	0.12	-0.02	-0.08	-0.01	0.01	0.03	0.05	0.07	0.09	0.08	0.06	0.05	0.45	2.17	-0.08
14	0.03	0.04	0.04	0.02	0.00	-0.02	-0.03	-0.01	0.00	-0.06	-0.10	-0.11	-0.14	-0.12	-0.09	-0.04	0.01	0.04	0.10	0.06	0.04	0.22	-0.04	0.04	-0.01	0.22	-0.14
15	0.00	0.13	0.26	0.37	0.31	0.20	0.48	1.00	0.82	0.09	-0.15	-0.16	-0.25	-0.26	-0.06	0.28	0.48	0.47	0.44	Pw	Pw	Pw	Pw	Pw	0.23	1.00	-0.26
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	-0.15	-0.28	-0.19	1.19	2.45	2.25	2.23	1.71	1.49	1.46	1.11	1.21	2.45	-0.28
18	1.63	1.29	0.75	0.20	0.34	-0.01	0.10	0.44	1.31	0.65	0.25	0.01	0.16	0.00	0.09	0.14	0.15	0.19	0.17	0.15	0.18	0.27	0.32	0.45	0.38	1.63	-0.01
19	0.58	1.55	1.28	1.80	1.97	1.84	1.81	1.26	1.39	1.00	Au	Au	Au	Au	0.15	0.53	0.56	0.45	0.26	0.15	0.20	0.26	0.51	0.12	0.88	1.97	0.12
20	0.27	1.17	1.12	0.94	0.88	1.08	2.19	0.61	0.84	0.89	0.03	-0.06	0.12	-0.01	0.07	0.19	0.51	0.41	0.37	0.60	0.17	0.29	0.45	0.51	0.57	2.19	-0.06
21	0.20	0.21	0.26	0.10	0.14	0.09	0.15	0.08	0.27	0.19	0.13	0.07	0.10	0.18	0.18	0.23	0.33	0.31	0.40	0.35	0.48	1.47	0.66	1.49	0.34	1.49	0.07
22	1.09	0.94	1.22	1.01	0.27	0.12	-0.04	0.00	0.00	0.04	0.07	-0.01	0.00	-0.01	-0.01	0.09	0.07	0.02	0.14	0.20	0.24	0.31	0.63	0.68	0.29	1.22	-0.04
23	0.98	1.81	1.51	1.16	2.47	0.74	0.94	2.36	2.65	1.82	1.51	1.36	2.43	0.51	0.95	1.11	1.24	1.21	1.32	1.24	1.34	1.17	0.65	0.48	1.37	2.65	0.48
24	0.53	0.80	0.58	0.35	0.22	0.15	0.34	0.51	0.20	0.36	0.53	0.07	0.23	0.10	0.07	0.10	0.00	-0.03	-0.02	0.05	0.05	0.15	0.11	0.14	0.23	0.80	-0.03
25	0.08	0.13	0.14	0.08	0.09	0.12	0.13	0.07	0.00	0.15	0.31	0.27	0.41	0.30	0.31	0.62	1.24	2.66	1.66	2.25	2.04	1.55	1.66	2.05	0.76	2.66	0.00
26	1.10	0.42	0.21	0.08	0.23	0.24	0.05	0.29	0.26	0.36	1.11	0.37	0.04	0.25	0.57	0.61	1.33	1.67	2.07	1.55	1.61	0.58	0.52	1.06	0.69	2.07	0.04
27	2.01	1.00	0.87	1.62	0.31	0.04	0.04	0.10	-0.01	0.01	0.04	-0.01	-0.01	-0.07	-0.03	-0.04	0.10	0.21	0.26	0.01	-0.03	-0.04	-0.05	-0.03	0.26	2.01	-0.07
28	-0.02	-0.05	-0.05	-0.01	0.03	0.07	0.07	0.27	0.37	0.19	-0.01	0.04	-0.01	-0.03	0.03	0.02	0.14	0.25	0.08	0.00	0.00	0.00	0.10	0.31	0.07	0.37	-0.05
29	0.52	0.46	0.70	0.76	0.51	0.38	0.34	0.40	0.42	0.22	0.53	0.37	0.41	0.12	0.32	0.23	0.31	0.44	0.63	1.12	1.60	1.78	1.89	1.94	0.68	1.94	0.12
30	1.60	1.58	1.40	1.06	1.32	1.62	1.48	1.57	1.89	2.06	1.30	1.15	1.08	1.35	1.69	0.92	1.52	1.44	1.43	1.91	1.32	0.81	0.87	0.56	1.37	2.06	0.56
31	0.56	0.40	0.46	0.77	0.99	0.86	0.52	0.14	-0.09	-0.06	-0.02	0.73	0.48	0.06	0.44	0.62	1.25	1.26	1.22	1.63	0.90	1.18	1.23	1.66	0.72	1.66	-0.09
Avg	0.97	1.02	0.95	0.89	0.82	0.78	0.80	0.83	0.81	0.59	0.41	0.32	0.27	0.19	0.29	0.37	0.64	0.78	0.73	0.76	0.76	0.72	0.81	0.91	0.68	1.83	0.04
Max	3.14	3.60	2.66	3.36	2.91	2.88	2.72	2.76	2.65	2.06	1.54	1.36	2.43	1.35	1.69	1.16	1.83	2.66	2.25	2.25	2.04	1.78	1.89	2.40	1.37	3.60	0.56
Min	-0.02	-0.05	-0.05	-0.01	0.00	-0.02	-0.04	-0.01	-0.09	-0.06	-0.15	-0.23	-0.25	-0.26	-0.28	-0.19	0.00	-0.03	-0.02	0.00	-0.03	-0.04	-0.05	-0.03	-0.01	0.22	-0.28

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
October 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	1	51	119	261	287	256	160	212	231	182	149	71	0	0	0	0	0	0	83	287	0
2	0	0	0	0	0	0	6	18	58	132	178	147	331	255	162	146	67	20	0	0	0	0	0	0	63	331	0
3	0	0	0	0	0	0	17	176	337	487	585	664	665	588	518	381	196	69	0	0	0	0	0	0	195	665	0
4	0	0	0	0	0	0	15	127	228	259	551	645	660	576	507	382	195	43	0	0	0	0	0	0	175	660	0
5	0	0	0	0	0	0	12	147	311	464	429	659	633	606	479	341	101	42	0	0	0	0	0	0	176	659	0
6	0	0	0	0	0	0	14	132	321	355	371	576	610	474	474	298	204	40	0	0	0	0	0	0	161	610	0
7	0	0	0	0	0	0	5	126	241	382	Au	Au	Au	Au	426	338	213	44	0	0	0	0	0	0	89	426	0
8	0	0	0	0	0	0	9	86	247	379	540	472	519	555	485	344	194	16	0	0	0	0	0	0	160	555	0
9	0	0	0	0	0	0	3	63	208	385	539	707	461	323	401	338	144	28	0	0	0	0	0	0	150	707	0
10	0	0	0	0	0	0	3	115	290	438	548	611	620	575	478	340	180	30	0	0	0	0	0	0	176	620	0
11	0	0	0	0	0	0	7	42	93	204	427	467	228	154	117	159	27	2	0	0	0	0	0	0	80	467	0
12	0	0	0	0	0	0	2	20	30	117	265	194	141	273	210	97	48	23	0	0	0	0	0	0	59	273	0
13	0	0	0	0	0	0	6	92	281	418	531	601	612	549	224	238	160	8	0	0	0	0	0	0	155	612	0
14	0	0	0	0	0	0	2	51	142	295	389	416	522	339	270	236	66	10	0	0	0	0	0	0	114	522	0
15	0	0	0	0	0	0	0	31	121	244	306	489	444	528	448	82	21	4	0	0	0	0	0	0	113	528	0
16	0	0	0	0	0	0	3	69	271	416	523	516	470	392	341	106	63	7	0	0	0	0	0	0	132	523	0
17	0	0	0	0	0	0	3	83	279	409	532	601	599	507	404	232	165	20	0	0	0	0	0	0	160	601	0
18	0	0	0	0	0	0	1	46	183	451	400	515	377	239	391	295	138	11	0	0	0	0	0	0	127	515	0
19	0	0	0	0	0	0	2	65	267	407	514	574	582	534	436	300	140	10	0	0	0	0	0	0	160	582	0
20	0	0	0	0	0	0	2	67	247	393	501	560	565	514	417	282	119	7	0	0	0	0	0	0	153	565	0
21	0	0	0	0	0	0	5	21	35	66	311	405	312	321	273	76	12	0	0	0	0	0	0	0	77	405	0
22	0	0	0	0	0	0	1	54	263	394	503	563	568	514	411	265	117	5	0	0	0	0	0	0	152	568	0
23	0	0	0	0	0	0	0	29	98	283	225	411	440	330	167	71	51	2	0	0	0	0	0	0	88	440	0
24	0	0	0	0	0	0	0	33	74	189	196	230	222	228	207	85	30	1	0	0	0	0	0	0	62	230	0
25	0	0	0	0	0	0	1	60	225	363	477	561	463	401	211	105	38	3	0	0	0	0	0	0	121	561	0
26	0	0	0	0	0	0	0	17	144	197	490	399	323	496	400	264	108	3	0	0	0	0	0	0	118	496	0
27	0	0	0	0	0	0	0	12	63	89	90	176	214	130	84	80	35	1	0	0	0	0	0	0	41	214	0
28	0	0	0	0	0	0	1	52	228	344	461	525	530	524	364	194	38	1	0	0	0	0	0	0	136	530	0
29	0	0	0	0	0	0	0	15	155	353	334	542	340	336	132	52	32	0	0	0	0	0	0	0	95	542	0
30	0	0	0	0	0	0	0	36	192	322	292	433	489	319	350	222	56	1	0	0	0	0	0	0	113	489	0
31	0	0	0	0	0	0	0	22	79	271	403	343	487	465	300	87	38	2	0	0	0	0	0	0	104	487	0
Avg	0	0	0	0	0	0	4	63	188	315	407	475	453	409	333	213	101	17	0	0	0	0	0	0	122	505	0
Max	0	0	0	0	0	0	17	176	337	487	585	707	665	606	518	382	213	71	0	0	0	0	0	0	195	707	0
Min	0	0	0	0	0	0	0	12	30	66	90	147	141	130	84	52	12	0	0	0	0	0	0	0	41	214	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
November 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	0	9	65	161	415	499	443	382	290	66	3	0	0	0	0	0	0	0	97	499	0
2	0	0	0	0	0	0	0	19	28	48	124	173	381	159	52	33	15	0	0	0	0	0	0	0	43	381	0
3	0	0	0	0	0	0	0	16	121	188	433	465	458	393	174	164	44	0	0	0	0	0	0	0	102	465	0
4	0	0	0	0	0	0	0	9	30	64	55	84	77	117	46	14	5	0	0	0	0	0	0	0	21	117	0
5	0	0	0	0	0	0	0	16	113	203	298	340	455	205	139	68	23	0	0	0	0	0	0	0	78	455	0
6	0	0	0	0	0	0	0	9	46	99	151	177	208	154	187	130	41	0	0	0	0	0	0	0	50	208	0
7	0	0	0	0	0	0	0	12	78	195	424	271	233	141	118	96	44	0	0	0	0	0	0	0	67	424	0
8	0	0	0	0	0	0	0	33	214	150	347	419	404	369	373	148	32	0	0	0	0	0	0	0	104	419	0
9	0	0	0	0	0	0	0	11	47	74	35	32	37	38	23	11	5	0	0	0	0	0	0	0	13	74	0
10	0	0	0	0	0	0	0	7	49	101	171	181	201	129	93	58	13	0	0	0	0	0	0	0	42	201	0
11	0	0	0	0	0	0	0	17	116	306	438	415	455	420	311	180	38	0	0	0	0	0	0	0	112	455	0
12	0	0	0	0	0	0	0	16	168	295	402	460	470	419	322	193	41	0	0	0	0	0	0	0	116	470	0
13	0	0	0	0	0	0	0	13	167	295	399	460	466	418	321	191	37	0	0	0	0	0	0	0	115	466	0
14	0	0	0	0	0	0	0	6	52	113	213	250	337	228	131	83	20	0	0	0	0	0	0	0	60	337	0
15	0	0	0	0	0	0	0	9	131	272	378	439	448	400	304	177	34	0	0	0	0	0	0	0	108	448	0
16	0	0	0	0	0	0	0	4	44	128	153	264	311	318	325	180	31	0	0	0	0	0	0	0	73	325	0
17	0	0	0	0	0	0	0	9	103	255	368	433	439	390	295	169	31	0	0	0	0	0	0	0	104	439	0
18	0	0	0	0	0	0	0	4	51	124	191	210	245	280	152	56	13	0	0	0	0	0	0	0	55	280	0
19	0	0	0	0	0	0	0	6	57	174	355	414	446	346	228	96	31	0	0	0	0	0	0	0	90	446	0
20	0	0	0	0	0	0	0	6	87	125	159	271	425	309	180	74	17	0	0	0	0	0	0	0	69	425	0
21	0	0	0	0	0	0	0	4	46	91	254	294	421	327	179	47	10	0	0	0	0	0	0	0	70	421	0
22	0	0	0	0	0	0	0	2	37	105	306	410	390	153	138	186	25	0	0	0	0	0	0	0	73	410	0
23	0	0	0	0	0	0	0	2	18	73	306	434	393	378	162	84	12	0	0	0	0	0	0	0	78	434	0
24	0	0	0	0	0	0	0	2	22	55	166	277	179	479	268	83	6	0	0	0	0	0	0	0	64	479	0
25	0	0	0	0	0	0	0	0	18	46	90	106	106	99	69	42	6	0	0	0	0	0	0	0	24	106	0
26	0	0	0	0	0	0	0	0	10	27	32	45	31	35	22	11	4	0	0	0	0	0	0	0	9	45	0
27	0	0	0	0	0	0	0	0	14	16	35	95	111	102	158	234	27	0	0	0	0	0	0	0	33	234	0
28	0	0	0	0	0	0	0	0	19	44	171	165	170	264	273	68	4	0	0	0	0	0	0	0	49	273	0
29	0	0	0	0	0	0	0	0	21	20	62	208	242	179	128	48	9	0	0	0	0	0	0	0	38	242	0
30	0	0	0	0	0	0	0	1	24	104	230	335	411	361	266	140	15	0	0	0	0	0	0	0	79	411	0
Avg	0	0	0	0	0	0	0	8	67	132	239	288	313	266	191	104	21	0	0	0	0	0	0	0	68	346	0
Max	0	0	0	0	0	0	0	33	214	306	438	499	470	479	373	234	44	0	0	0	0	0	0	0	116	499	0
Min	0	0	0	0	0	0	0	0	10	16	32	32	31	35	22	11	3	0	0	0	0	0	0	0	9	45	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
December 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	0	3	46	142	302	322	395	176	178	182	25	0	0	0	0	0	0	0	74	395	0
2	0	0	0	0	0	0	0	2	60	210	316	379	392	347	256	133	10	0	0	0	0	0	0	0	88	392	0
3	0	0	0	0	0	0	0	1	36	91	130	176	371	357	255	131	13	0	0	0	0	0	0	0	65	371	0
4	0	0	0	0	0	0	0	0	11	39	103	106	94	86	41	29	4	0	0	0	0	0	0	0	21	106	0
5	0	0	0	0	0	0	0	1	13	26	97	131	189	92	66	28	4	0	0	0	0	0	0	0	27	189	0
6	0	0	0	0	0	0	0	0	17	78	216	315	366	288	32	49	8	0	0	0	0	0	0	0	57	366	0
7	0	0	0	0	0	0	0	1	47	189	303	358	367	330	234	117	8	0	0	0	0	0	0	0	81	367	0
8	0	0	0	0	0	0	0	0	22	74	187	391	378	200	102	84	6	0	0	0	0	0	0	0	60	391	0
9	0	0	0	0	0	0	0	2	46	113	190	249	383	314	86	40	5	0	0	0	0	0	0	0	60	383	0
10	0	0	0	0	0	0	0	0	30	116	260	151	152	175	126	52	6	0	0	0	0	0	0	0	45	260	0
11	0	0	0	0	0	0	0	1	31	72	113	151	196	185	76	49	18	0	0	0	0	0	0	0	37	196	0
12	0	0	0	0	0	0	0	0	15	60	96	234	331	330	204	61	6	0	0	0	0	0	0	0	56	331	0
13	0	0	0	0	0	0	0	0	12	109	302	182	103	66	61	70	6	0	0	0	0	0	0	0	38	302	0
14	0	0	0	0	0	0	0	0	14	71	126	164	168	129	91	35	5	0	0	0	0	0	0	0	33	168	0
15	0	0	0	0	0	0	0	0	26	106	241	258	235	300	164	56	10	0	0	Pw	Pw	Pw	Pw	Pw	73	300	0
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	146	202	126	12	0	0	0	0	0	0	0	44	202	0
18	0	0	0	0	0	0	0	0	28	134	218	245	219	197	70	48	7	0	0	0	0	0	0	0	49	245	0
19	0	0	0	0	0	0	0	1	25	87	Au	Au	Au	Au	194	62	4	0	0	0	0	0	0	0	19	194	0
20	0	0	0	0	0	0	0	1	26	104	146	200	215	261	165	53	6	0	0	0	0	0	0	0	49	261	0
21	0	0	0	0	0	0	0	0	8	70	157	213	271	130	112	105	12	0	0	0	0	0	0	0	45	271	0
22	0	0	0	0	0	0	0	0	20	84	155	183	297	221	154	50	28	0	0	0	0	0	0	0	50	297	0
23	0	0	0	0	0	0	0	0	16	61	117	202	189	219	161	64	15	0	0	0	0	0	0	0	44	219	0
24	0	0	0	0	0	0	0	0	11	35	40	41	53	59	41	34	4	0	0	0	0	0	0	0	13	59	0
25	0	0	0	0	0	0	0	0	18	60	170	299	335	309	268	140	14	0	0	0	0	0	0	0	67	335	0
26	0	0	0	0	0	0	0	0	6	44	101	174	280	229	112	157	22	0	0	0	0	0	0	0	47	280	0
27	0	0	0	0	0	0	0	0	14	62	122	164	341	247	132	46	3	0	0	0	0	0	0	0	47	341	0
28	0	0	0	0	0	0	0	0	7	27	48	65	71	74	101	75	12	0	0	0	0	0	0	0	20	101	0
29	0	0	0	0	0	0	0	0	19	74	158	231	234	272	219	81	10	0	0	0	0	0	0	0	54	272	0
30	0	0	0	0	0	0	0	0	38	191	299	369	392	361	278	150	23	0	0	0	0	0	0	0	88	392	0
31	0	0	0	0	0	0	0	0	9	48	167	352	371	342	263	147	23	0	0	0	0	0	0	0	72	371	0
Avg	0	0	0	0	0	0	0	0	23	89	174	225	264	222	148	82	11	0	0	0	0	0	0	0	51	279	0
Max	0	0	0	0	0	0	0	3	60	210	316	391	395	361	278	182	28	0	0	0	0	0	0	0	88	395	0
Min	0	0	0	0	0	0	0	0	6	26	40	41	53	59	32	28	3	0	0	0	0	0	0	0	13	59	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
October 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.32	24.32	24.33	24.33	24.34	24.35	24.37	24.39	24.40	24.41	24.41	24.40	24.39	24.38	24.38	24.38	24.38	24.39	24.39	24.40	24.40	24.40	24.40	24.40	24.38	24.41	24.32
2	24.40	24.41	24.41	24.41	24.41	24.39	24.40	24.42	24.46	24.49	24.52	24.55	24.56	24.58	24.60	24.62	24.64	24.66	24.67	24.69	24.70	24.71	24.72	24.71	24.55	24.72	24.39
3	24.71	24.72	24.72	24.72	24.72	24.72	24.72	24.71	24.72	24.72	24.71	24.71	24.69	24.67	24.66	24.65	24.64	24.64	24.63	24.62	24.61	24.60	24.58	24.57	24.67	24.72	24.57
4	24.57	24.56	24.55	24.55	24.53	24.52	24.51	24.53	24.54	24.53	24.52	24.51	24.50	24.49	24.48	24.48	24.48	24.48	24.47	24.48	24.49	24.49	24.48	24.48	24.51	24.57	24.47
5	24.48	24.48	24.48	24.49	24.50	24.51	24.51	24.52	24.53	24.53	24.53	24.52	24.50	24.49	24.48	24.47	24.46	24.45	24.45	24.45	24.45	24.44	24.43	24.42	24.48	24.53	24.42
6	24.39	24.39	24.38	24.37	24.37	24.38	24.38	24.39	24.40	24.40	24.39	24.37	24.36	24.34	24.34	24.33	24.35	24.36	24.38	24.39	24.39	24.39	24.40	24.40	24.38	24.40	24.33
7	24.41	24.42	24.42	24.42	24.43	24.42	24.43	24.44	24.46	24.45	Au	Au	Au	Au	24.42	24.41	24.41	24.41	24.41	24.42	24.42	24.43	24.43	24.43	24.42	24.46	24.41
8	24.42	24.42	24.41	24.42	24.42	24.42	24.42	24.43	24.45	24.45	24.45	24.46	24.45	24.44	24.44	24.44	24.43	24.44	24.45	24.46	24.47	24.47	24.48	24.48	24.44	24.48	24.41
9	24.49	24.50	24.49	24.48	24.49	24.49	24.50	24.51	24.52	24.53	24.53	24.53	24.53	24.52	24.51	24.52	24.52	24.53	24.54	24.54	24.54	24.54	24.54	24.54	24.52	24.54	24.48
10	24.53	24.53	24.52	24.51	24.50	24.50	24.50	24.51	24.53	24.52	24.51	24.50	24.48	24.47	24.45	24.44	24.43	24.43	24.43	24.43	24.43	24.42	24.41	24.40	24.47	24.53	24.40
11	24.39	24.38	24.37	24.37	24.37	24.38	24.38	24.38	24.38	24.38	24.36	24.34	24.32	24.29	24.27	24.25	24.22	24.22	24.24	24.25	24.24	24.24	24.23	24.24	24.31	24.39	24.22
12	24.25	24.27	24.28	24.30	24.32	24.34	24.36	24.39	24.42	24.44	24.45	24.46	24.46	24.46	24.46	24.47	24.48	24.49	24.51	24.52	24.52	24.52	24.52	24.52	24.43	24.52	24.25
13	24.52	24.52	24.51	24.51	24.51	24.51	24.49	24.50	24.51	24.51	24.50	24.50	24.49	24.48	24.49	24.48	24.47	24.47	24.47	24.47	24.46	24.45	24.44	24.43	24.49	24.52	24.43
14	24.42	24.42	24.41	24.40	24.40	24.40	24.40	24.41	24.41	24.40	24.40	24.38	24.36	24.35	24.33	24.32	24.31	24.31	24.31	24.31	24.31	24.30	24.30	24.29	24.36	24.42	24.29
15	24.28	24.27	24.26	24.24	24.21	24.21	24.20	24.20	24.19	24.18	24.17	24.15	24.13	24.11	24.09	24.09	24.13	24.18	24.24	24.27	24.28	24.29	24.31	24.33	24.21	24.33	24.09
16	24.36	24.38	24.40	24.43	24.45	24.45	24.47	24.48	24.49	24.49	24.50	24.50	24.50	24.49	24.49	24.49	24.50	24.49	24.49	24.49	24.49	24.49	24.49	24.49	24.47	24.50	24.36
17	24.49	24.49	24.50	24.49	24.50	24.50	24.50	24.50	24.51	24.51	24.50	24.48	24.47	24.45	24.44	24.44	24.43	24.43	24.43	24.43	24.43	24.42	24.42	24.41	24.47	24.51	24.41
18	24.41	24.41	24.40	24.40	24.40	24.40	24.41	24.41	24.43	24.45	24.45	24.45	24.45	24.45	24.45	24.43	24.43	24.44	24.46	24.46	24.47	24.47	24.47	24.47	24.44	24.47	24.40
19	24.47	24.47	24.47	24.48	24.48	24.48	24.48	24.48	24.51	24.50	24.49	24.49	24.47	24.45	24.44	24.44	24.43	24.43	24.44	24.43	24.44	24.43	24.43	24.42	24.46	24.51	24.42
20	24.42	24.41	24.41	24.40	24.40	24.40	24.40	24.40	24.42	24.41	24.40	24.39	24.37	24.34	24.33	24.33	24.32	24.31	24.31	24.30	24.29	24.28	24.27	24.26	24.36	24.42	24.26
21	24.26	24.25	24.24	24.22	24.22	24.22	24.21	24.21	24.21	24.21	24.18	24.17	24.16	24.21	24.21	24.22	24.26	24.30	24.33	24.34	24.36	24.36	24.36	24.37	24.25	24.37	24.16
22	24.38	24.39	24.39	24.39	24.39	24.40	24.40	24.42	24.43	24.43	24.42	24.42	24.41	24.40	24.40	24.40	24.38	24.39	24.40	24.40	24.39	24.39	24.38	24.37	24.40	24.43	24.37
23	24.36	24.35	24.36	24.35	24.34	24.34	24.33	24.35	24.36	24.35	24.36	24.35	24.34	24.32	24.32	24.33	24.32	24.32	24.32	24.34	24.35	24.36	24.36	24.36	24.34	24.36	24.32
24	24.37	24.38	24.39	24.39	24.41	24.42	24.43	24.45	24.48	24.50	24.50	24.50	24.48	24.48	24.48	24.49	24.49	24.49	24.50	24.49	24.49	24.49	24.49	24.49	24.46	24.50	24.37
25	24.47	24.47	24.46	24.45	24.44	24.42	24.41	24.41	24.41	24.39	24.37	24.35	24.32	24.30	24.27	24.26	24.24	24.22	24.21	24.20	24.19	24.17	24.16	24.17	24.32	24.47	24.16
26	24.17	24.16	24.15	24.14	24.13	24.14	24.17	24.18	24.19	24.21	24.22	24.21	24.20	24.19	24.19	24.19	24.19	24.20	24.22	24.22	24.23	24.23	24.24	24.24	24.19	24.24	24.13
27	24.24	24.25	24.27	24.28	24.30	24.31	24.32	24.33	24.35	24.36	24.36	24.37	24.36	24.36	24.38	24.39	24.40	24.42	24.43	24.43	24.44	24.44	24.45	24.45	24.36	24.45	24.24
28	24.46	24.47	24.47	24.47	24.47	24.48	24.48	24.49	24.49	24.50	24.49	24.48	24.46	24.45	24.45	24.45	24.45	24.44	24.44	24.44	24.43	24.43	24.42	24.42	24.46	24.50	24.42
29	24.41	24.40	24.40	24.40	24.40	24.41	24.43	24.45	24.46	24.46	24.47	24.48	24.48	24.49	24.50	24.51	24.53	24.54	24.55	24.57	24.57	24.58	24.59	24.59	24.49	24.59	24.40
30	24.61	24.62	24.63	24.63	24.63	24.63	24.63	24.64	24.64	24.64	24.64	24.64	24.63	24.61	24.60	24.59	24.58	24.57	24.57	24.56	24.55	24.54	24.53	24.50	24.60	24.64	24.50
31	24.49	24.45	24.44	24.42	24.40	24.37	24.35	24.35	24.34	24.34	24.32	24.31	24.29	24.27	24.25	24.26	24.25	24.25	24.25	24.24	24.24	24.24	24.24	24.23	24.32	24.49	24.23
Avg	24.42	24.42	24.42	24.41	24.42	24.42	24.42	24.43	24.44	24.44	24.44	24.43	24.42	24.41	24.41	24.41	24.40	24.41	24.42	24.42	24.42	24.42	24.42	24.42	24.42	24.48	24.34
Max	24.71	24.72	24.72	24.72	24.72	24.72	24.72	24.71	24.72	24.72	24.71	24.71	24.69	24.67	24.66	24.65	24.64	24.66	24.67	24.69	24.70	24.71	24.72	24.71	24.67	24.72	24.57
Min	24.17	24.16	24.15	24.14	24.13	24.14	24.17	24.18	24.19	24.18	24.17	24.15	24.13	24.11	24.09	24.09	24.13	24.18	24.21	24.20	24.19	24.17	24.16	24.17	24.19	24.24	24.09

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
November 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.22	24.21	24.20	24.18	24.18	24.18	24.17	24.17	24.17	24.15	24.14	24.12	24.08	24.06	24.04	24.01	24.04	24.07	24.08	24.12	24.08	24.09	24.09	24.08	24.12	24.22	24.01
2	24.07	24.08	24.08	24.08	24.09	24.11	24.13	24.15	24.17	24.20	24.21	24.23	24.23	24.24	24.25	24.27	24.29	24.30	24.32	24.34	24.34	24.35	24.35	24.36	24.22	24.36	24.07
3	24.35	24.36	24.38	24.39	24.41	24.42	24.43	24.45	24.46	24.47	24.48	24.48	24.47	24.47	24.47	24.48	24.49	24.50	24.50	24.49	24.50	24.50	24.50	24.50	24.46	24.50	24.35
4	24.50	24.49	24.48	24.48	24.47	24.46	24.46	24.45	24.46	24.46	24.46	24.45	24.42	24.40	24.41	24.42	24.39	24.42	24.42	24.43	24.44	24.44	24.46	24.48	24.45	24.50	24.39
5	24.50	24.51	24.52	24.54	24.56	24.58	24.59	24.60	24.62	24.64	24.65	24.64	24.63	24.63	24.64	24.64	24.64	24.66	24.67	24.68	24.69	24.68	24.68	24.67	24.62	24.69	24.50
6	24.66	24.65	24.64	24.63	24.61	24.60	24.59	24.59	24.58	24.57	24.56	24.53	24.50	24.47	24.44	24.43	24.40	24.38	24.36	24.35	24.35	24.35	24.35	24.35	24.50	24.66	24.35
7	24.36	24.36	24.39	24.41	24.44	24.46	24.49	24.52	24.56	24.59	24.61	24.62	24.62	24.62	24.63	24.64	24.66	24.67	24.67	24.67	24.66	24.65	24.65	24.64	24.57	24.67	24.36
8	24.64	24.63	24.62	24.61	24.59	24.58	24.57	24.56	24.56	24.56	24.55	24.54	24.51	24.49	24.48	24.48	24.46	24.45	24.44	24.43	24.42	24.40	24.39	24.38	24.51	24.64	24.38
9	24.36	24.35	24.33	24.31	24.29	24.25	24.22	24.19	24.15	24.11	24.07	24.03	24.00	23.99	23.97	23.96	23.95	23.96	23.98	24.01	24.04	24.06	24.10	24.14	24.12	24.36	23.95
10	24.17	24.17	24.22	24.25	24.27	24.29	24.31	24.34	24.36	24.38	24.39	24.40	24.39	24.40	24.43	24.46	24.48	24.51	24.53	24.55	24.55	24.56	24.56	24.57	24.40	24.57	24.17
11	24.57	24.57	24.58	24.59	24.60	24.60	24.60	24.62	24.64	24.65	24.65	24.65	24.64	24.64	24.65	24.66	24.67	24.67	24.68	24.69	24.69	24.70	24.70	24.70	24.64	24.70	24.57
12	24.71	24.70	24.70	24.69	24.70	24.68	24.68	24.68	24.71	24.71	24.70	24.68	24.66	24.65	24.64	24.64	24.64	24.64	24.63	24.62	24.61	24.61	24.60	24.58	24.66	24.71	24.58
13	24.57	24.56	24.54	24.52	24.50	24.48	24.46	24.45	24.46	24.44	24.42	24.39	24.36	24.34	24.32	24.30	24.31	24.31	24.31	24.30	24.29	24.29	24.28	24.28	24.39	24.57	24.28
14	24.27	24.26	24.26	24.25	24.26	24.27	24.26	24.27	24.28	24.29	24.28	24.27	24.27	24.27	24.27	24.28	24.29	24.30	24.32	24.34	24.35	24.36	24.37	24.39	24.29	24.39	24.25
15	24.40	24.41	24.42	24.44	24.45	24.47	24.48	24.49	24.52	24.52	24.52	24.52	24.51	24.50	24.50	24.50	24.51	24.52	24.52	24.53	24.52	24.52	24.52	24.52	24.49	24.53	24.40
16	24.52	24.52	24.53	24.53	24.55	24.56	24.56	24.57	24.59	24.60	24.61	24.60	24.59	24.59	24.59	24.59	24.60	24.61	24.61	24.61	24.62	24.64	24.64	24.64	24.59	24.64	24.52
17	24.63	24.62	24.62	24.61	24.61	24.60	24.60	24.60	24.62	24.61	24.60	24.60	24.59	24.58	24.57	24.56	24.55	24.55	24.56	24.55	24.54	24.53	24.52	24.51	24.58	24.63	24.51
18	24.50	24.49	24.48	24.47	24.46	24.45	24.45	24.44	24.45	24.45	24.46	24.47	24.45	24.44	24.44	24.44	24.44	24.44	24.43	24.44	24.45	24.46	24.47	24.48	24.46	24.50	24.43
19	24.48	24.49	24.49	24.48	24.47	24.46	24.46	24.45	24.45	24.43	24.43	24.42	24.40	24.38	24.36	24.36	24.36	24.35	24.36	24.36	24.36	24.36	24.35	24.34	24.41	24.49	24.34
20	24.34	24.34	24.34	24.33	24.33	24.32	24.32	24.32	24.32	24.32	24.31	24.31	24.31	24.29	24.28	24.27	24.27	24.27	24.27	24.27	24.27	24.27	24.26	24.26	24.30	24.34	24.26
21	24.26	24.26	24.26	24.26	24.26	24.25	24.26	24.26	24.26	24.26	24.27	24.25	24.24	24.23	24.22	24.21	24.20	24.18	24.14	24.12	24.09	24.08	24.05	24.03	24.20	24.27	24.03
22	24.00	23.97	23.95	23.92	23.91	23.90	23.89	23.87	23.87	23.86	23.86	23.86	23.85	23.86	23.88	23.90	23.93	23.94	23.96	23.99	24.02	24.04	24.06	24.08	23.93	24.08	23.85
23	24.10	24.13	24.16	24.17	24.18	24.20	24.22	24.25	24.27	24.28	24.30	24.31	24.29	24.28	24.28	24.27	24.26	24.25	24.24	24.23	24.21	24.21	24.21	24.21	24.23	24.31	24.10
24	24.22	24.23	24.26	24.29	24.32	24.34	24.36	24.39	24.42	24.44	24.47	24.48	24.47	24.47	24.47	24.46	24.46	24.47	24.45	24.43	24.41	24.39	24.36	24.33	24.39	24.48	24.22
25	24.30	24.27	24.25	24.24	24.23	24.22	24.22	24.23	24.25	24.28	24.30	24.31	24.32	24.34	24.37	24.40	24.42	24.44	24.45	24.44	24.45	24.45	24.45	24.45	24.34	24.45	24.22
26	24.45	24.44	24.44	24.44	24.44	24.44	24.44	24.44	24.44	24.44	24.44	24.45	24.45	24.44	24.44	24.44	24.45	24.44	24.44	24.44	24.44	24.43	24.42	24.41	24.44	24.45	24.41
27	24.40	24.38	24.38	24.37	24.35	24.33	24.32	24.31	24.31	24.32	24.33	24.31	24.31	24.30	24.29	24.29	24.26	24.24	24.25	24.25	24.23	24.22	24.21	24.20	24.30	24.40	24.20
28	24.19	24.18	24.18	24.16	24.13	24.11	24.10	24.09	24.09	24.07	24.06	24.04	24.01	23.99	23.96	23.95	23.94	23.92	23.90	23.90	23.88	23.84	23.84	23.84	24.02	24.19	23.84
29	23.83	23.81	23.80	23.78	23.79	23.80	23.80	23.82	23.86	23.89	23.92	23.94	23.95	23.98	23.99	23.99	24.01	24.01	24.03	24.06	24.08	24.10	24.13	24.17	23.94	24.17	23.78
30	24.19	24.20	24.22	24.23	24.26	24.28	24.30	24.34	24.37	24.40	24.42	24.43	24.42	24.42	24.43	24.44	24.46	24.46	24.46	24.46	24.45	24.45	24.44	24.43	24.37	24.46	24.19
Avg	24.36	24.35	24.36	24.36	24.36	24.36	24.36	24.36	24.38	24.38	24.38	24.38	24.36	24.36	24.36	24.36	24.36	24.36	24.37	24.37	24.37	24.37	24.37	24.37	24.36	24.46	24.25
Max	24.71	24.70	24.70	24.69	24.70	24.68	24.68	24.68	24.71	24.71	24.70	24.68	24.66	24.65	24.65	24.66	24.67	24.67	24.68	24.69	24.69	24.70	24.70	24.70	24.66	24.71	24.58
Min	23.83	23.81	23.80	23.78	23.79	23.80	23.80	23.82	23.86	23.86	23.86	23.86	23.85	23.86	23.88	23.90	23.93	23.92	23.90	23.90	23.88	23.84	23.84	23.84	23.93	24.08	23.78

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
December 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	24.42	24.40	24.39	24.37	24.35	24.34	24.34	24.34	24.34	24.34	24.34	24.31	24.29	24.27	24.26	24.25	24.23	24.22	24.22	24.22	24.22	24.23	24.24	24.24	24.30	24.42	24.22
2	24.25	24.26	24.27	24.27	24.26	24.28	24.30	24.30	24.31	24.33	24.33	24.34	24.35	24.35	24.35	24.35	24.36	24.37	24.38	24.39	24.39	24.39	24.40	24.39	24.33	24.40	24.25
3	24.38	24.37	24.36	24.34	24.34	24.32	24.31	24.31	24.29	24.28	24.28	24.26	24.25	24.25	24.25	24.25	24.24	24.26	24.26	24.26	24.26	24.25	24.24	24.24	24.29	24.38	24.24
4	24.23	24.21	24.21	24.20	24.20	24.19	24.19	24.20	24.20	24.21	24.22	24.21	24.21	24.21	24.22	24.23	24.26	24.28	24.28	24.29	24.30	24.31	24.34	24.35	24.24	24.35	24.19
5	24.36	24.38	24.40	24.41	24.41	24.43	24.44	24.45	24.47	24.48	24.50	24.50	24.50	24.50	24.50	24.51	24.52	24.53	24.53	24.53	24.53	24.52	24.53	24.53	24.48	24.53	24.36
6	24.53	24.52	24.52	24.51	24.50	24.50	24.49	24.48	24.47	24.46	24.46	24.45	24.44	24.42	24.43	24.43	24.42	24.43	24.44	24.44	24.44	24.43	24.43	24.44	24.46	24.53	24.42
7	24.45	24.45	24.47	24.48	24.50	24.52	24.54	24.55	24.57	24.59	24.60	24.60	24.59	24.58	24.57	24.57	24.57	24.58	24.58	24.59	24.60	24.60	24.60	24.60	24.56	24.60	24.45
8	24.60	24.59	24.59	24.58	24.57	24.56	24.57	24.56	24.56	24.56	24.56	24.57	24.56	24.54	24.54	24.54	24.54	24.53	24.52	24.51	24.51	24.51	24.51	24.51	24.55	24.60	24.51
9	24.51	24.51	24.51	24.50	24.50	24.49	24.50	24.49	24.49	24.49	24.50	24.49	24.47	24.44	24.43	24.43	24.43	24.43	24.43	24.42	24.42	24.42	24.43	24.43	24.47	24.51	24.42
10	24.43	24.44	24.44	24.44	24.44	24.45	24.46	24.45	24.45	24.44	24.45	24.43	24.41	24.39	24.37	24.36	24.35	24.33	24.32	24.31	24.29	24.28	24.27	24.24	24.39	24.46	24.24
11	24.22	24.21	24.20	24.18	24.19	24.20	24.21	24.21	24.22	24.23	24.24	24.22	24.20	24.19	24.19	24.18	24.18	24.18	24.17	24.17	24.18	24.20	24.20	24.21	24.20	24.24	24.17
12	24.20	24.19	24.19	24.19	24.19	24.18	24.19	24.20	24.20	24.21	24.21	24.20	24.19	24.18	24.18	24.18	24.19	24.19	24.18	24.18	24.17	24.17	24.17	24.17	24.19	24.21	24.17
13	24.16	24.17	24.16	24.16	24.16	24.16	24.16	24.16	24.18	24.19	24.21	24.20	24.21	24.21	24.23	24.25	24.27	24.29	24.30	24.32	24.32	24.34	24.34	24.35	24.23	24.35	24.16
14	24.34	24.35	24.37	24.37	24.37	24.38	24.39	24.39	24.40	24.42	24.43	24.43	24.43	24.43	24.43	24.44	24.45	24.46	24.47	24.47	24.48	24.49	24.49	24.50	24.42	24.50	24.34
15	24.50	24.50	24.50	24.50	24.49	24.49	24.49	24.49	24.49	24.50	24.49	24.48	24.46	24.45	24.44	24.44	24.45	24.45	24.44	Pw	Pw	Pw	Pw	Pw	24.48	24.50	24.44
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	24.27	24.27	24.28	24.27	24.28	24.29	24.31	24.31	24.32	24.33	24.34	24.30	24.34	24.27
18	24.34	24.33	24.34	24.34	24.35	24.34	24.35	24.35	24.36	24.35	24.36	24.35	24.34	24.33	24.33	24.33	24.34	24.34	24.35	24.35	24.35	24.34	24.34	24.33	24.34	24.36	24.33
19	24.32	24.32	24.33	24.32	24.32	24.32	24.33	24.33	24.33	24.33	Au	Au	Au	Au	24.26	24.26	24.26	24.26	24.27	24.27	24.28	24.28	24.28	24.30	24.30	24.33	24.26
20	24.30	24.30	24.29	24.29	24.29	24.30	24.30	24.30	24.30	24.30	24.28	24.26	24.24	24.22	24.20	24.20	24.18	24.17	24.15	24.13	24.11	24.09	24.08	24.05	24.22	24.30	24.05
21	24.03	24.00	23.98	23.97	23.94	23.92	23.92	23.91	23.91	23.92	23.92	23.94	23.94	23.95	23.97	23.99	24.02	24.06	24.08	24.10	24.11	24.12	24.14	24.15	24.00	24.15	23.91
22	24.15	24.15	24.15	24.15	24.15	24.16	24.17	24.18	24.19	24.21	24.23	24.25	24.26	24.27	24.29	24.32	24.35	24.37	24.40	24.42	24.44	24.46	24.48	24.50	24.28	24.50	24.15
23	24.51	24.53	24.54	24.55	24.56	24.57	24.57	24.58	24.57	24.57	24.57	24.55	24.52	24.51	24.48	24.47	24.46	24.44	24.44	24.42	24.41	24.39	24.37	24.33	24.50	24.58	24.33
24	24.30	24.26	24.22	24.20	24.16	24.13	24.11	24.08	24.06	24.05	24.04	24.00	23.96	23.92	23.90	23.89	23.89	23.88	23.87	23.87	23.88	23.90	23.92	23.94	24.02	24.30	23.87
25	23.97	23.99	24.02	24.06	24.08	24.10	24.12	24.15	24.17	24.20	24.21	24.21	24.21	24.21	24.23	24.25	24.28	24.29	24.30	24.30	24.30	24.30	24.30	24.31	24.19	24.31	23.97
26	24.31	24.31	24.32	24.32	24.32	24.32	24.34	24.34	24.36	24.38	24.38	24.38	24.37	24.37	24.39	24.39	24.41	24.42	24.42	24.42	24.42	24.42	24.42	24.42	24.37	24.42	24.31
27	24.40	24.39	24.39	24.39	24.39	24.38	24.37	24.38	24.38	24.37	24.37	24.35	24.32	24.32	24.31	24.31	24.31	24.30	24.29	24.27	24.26	24.24	24.23	24.20	24.33	24.40	24.20
28	24.19	24.17	24.17	24.17	24.17	24.18	24.18	24.20	24.21	24.23	24.25	24.27	24.29	24.31	24.33	24.35	24.39	24.42	24.44	24.46	24.48	24.50	24.52	24.54	24.31	24.54	24.17
29	24.54	24.55	24.56	24.57	24.59	24.61	24.63	24.64	24.66	24.69	24.70	24.70	24.69	24.69	24.69	24.71	24.72	24.73	24.74	24.75	24.76	24.76	24.77	24.77	24.68	24.77	24.54
30	24.77	24.77	24.77	24.77	24.77	24.77	24.76	24.76	24.76	24.77	24.79	24.79	24.76	24.74	24.72	24.71	24.69	24.66	24.65	24.65	24.64	24.64	24.65	24.65	24.73	24.79	24.64
31	24.65	24.64	24.64	24.65	24.64	24.63	24.64	24.64	24.63	24.63	24.62	24.59	24.57	24.55	24.54	24.53	24.54	24.53	24.53	24.52	24.50	24.48	24.48	24.46	24.58	24.65	24.46
Avg	24.36	24.35	24.36	24.35	24.35	24.35	24.36	24.36	24.36	24.37	24.38	24.37	24.36	24.35	24.34	24.35	24.35	24.36	24.36	24.36	24.36	24.36	24.36	24.36	24.36	24.44	24.27
Max	24.77	24.77	24.77	24.77	24.77	24.77	24.76	24.76	24.76	24.77	24.79	24.79	24.76	24.74	24.72	24.71	24.72	24.73	24.74	24.75	24.76	24.76	24.77	24.77	24.73	24.79	24.64
Min	23.97	23.99	23.98	23.97	23.94	23.92	23.92	23.91	23.91	23.92	23.92	23.94	23.94	23.92	23.90	23.89	23.89	23.88	23.87	23.87	23.88	23.90	23.92	23.94	24.00	24.15	23.87

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
October 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	93.5	94.5	94.3	93.8	92.9	92.3	91.9	93.4	91.1	84.9	75.8	78.6	87.4	75.2	59.8	53.3	49.3	48.9	54.6	56.0	56.9	58.6	62.7	66.0	75.2	94.5	48.9
2	68.7	70.8	77.6	78.4	70.4	67.8	79.6	93.8	93.3	82.5	75.1	75.3	69.9	68.2	63.0	58.4	61.1	63.1	78.1	82.9	83.6	86.7	88.6	87.5	76.0	93.8	58.4
3	87.6	87.4	88.3	88.8	89.2	88.4	87.9	78.8	72.8	64.3	55.3	50.3	44.0	36.8	32.4	30.0	30.4	33.1	53.9	72.0	75.6	79.6	85.2	87.0	66.6	89.2	30.0
4	87.5	87.6	88.4	86.6	86.3	89.0	83.3	75.0	49.3	39.3	37.5	37.5	37.1	36.9	36.0	36.8	38.6	42.3	46.9	51.9	56.1	57.8	65.4	76.6	59.6	89.0	36.0
5	81.4	84.9	83.4	80.5	88.0	91.3	93.1	84.5	64.1	53.1	49.7	44.4	39.6	38.2	36.6	35.9	39.9	43.4	49.2	63.8	82.9	86.6	89.1	91.2	66.5	93.1	35.9
6	93.9	94.4	94.3	94.6	92.0	88.4	88.8	84.1	65.9	48.5	48.3	43.3	40.1	38.2	37.6	38.7	40.6	46.3	53.2	55.5	58.3	67.1	72.6	74.7	65.0	94.6	37.6
7	73.8	84.5	89.9	92.2	93.7	95.2	96.4	90.0	81.6	62.4	Au	Au	Au	Au	39.9	38.4	38.2	44.5	57.1	69.9	74.2	81.0	89.8	92.9	74.3	96.4	38.2
8	95.7	96.7	97.3	97.7	97.5	97.4	97.8	97.6	87.2	67.7	43.6	41.3	39.0	34.4	31.6	33.1	34.1	43.1	61.9	68.0	76.0	78.6	83.0	84.5	70.2	97.8	31.6
9	85.9	85.1	88.6	88.4	89.0	92.2	93.3	93.4	79.8	66.5	60.5	55.9	54.6	54.6	54.1	55.3	58.3	64.2	72.8	77.1	81.0	82.7	85.1	88.8	75.3	93.4	54.1
10	92.3	94.4	96.4	96.1	97.0	97.3	96.6	96.2	89.0	74.6	60.4	55.2	50.7	45.2	38.2	35.8	35.9	43.9	64.8	77.4	81.4	87.7	92.3	95.3	74.8	97.3	35.8
11	96.1	96.1	95.1	95.2	94.4	92.8	92.2	91.0	88.6	72.7	41.6	37.0	39.0	42.0	43.6	43.1	42.6	65.1	85.3	86.3	81.4	83.1	85.1	86.2	74.0	96.1	37.0
12	85.7	84.9	86.8	82.8	84.5	88.6	92.2	92.7	94.7	91.5	87.5	81.5	74.5	75.9	82.7	74.6	74.7	63.8	64.5	74.1	86.2	91.2	93.6	93.8	83.5	94.7	63.8
13	93.9	94.5	93.7	93.7	93.8	93.6	93.3	91.7	82.2	66.1	49.4	39.3	38.6	39.7	43.0	42.0	40.3	51.4	71.1	77.4	79.4	80.1	81.3	80.7	71.3	94.5	38.6
14	79.2	75.8	75.8	71.6	73.0	71.7	77.2	72.2	56.6	43.8	35.9	32.3	30.5	30.0	29.4	30.6	32.6	35.4	52.0	64.4	72.3	76.8	81.9	76.5	57.4	81.9	29.4
15	80.5	80.2	81.1	76.3	69.9	69.2	74.5	74.5	65.1	47.7	32.2	28.0	23.2	21.5	19.8	21.0	32.7	64.5	75.0	81.5	74.4	71.7	68.5	64.4	58.2	81.5	19.8
16	63.8	64.9	65.6	64.8	65.1	65.0	67.3	67.7	61.2	55.8	51.0	49.0	46.7	43.8	42.5	46.0	47.6	55.5	68.6	72.6	76.8	82.4	84.7	88.1	62.4	88.1	42.5
17	89.2	92.5	92.4	92.8	92.3	92.6	91.9	90.9	81.1	56.1	38.0	34.0	30.6	29.3	28.3	26.6	28.2	40.9	48.4	57.1	63.6	70.6	73.1	80.2	63.4	92.8	26.6
18	81.2	80.9	86.5	86.9	88.8	88.3	88.9	88.3	79.8	59.7	39.0	35.1	36.0	38.5	37.0	36.7	39.6	46.4	55.8	68.3	76.5	83.4	85.2	88.1	66.5	88.9	35.1
19	91.5	93.6	93.3	95.2	94.8	95.9	95.3	95.4	84.5	69.2	47.3	38.7	30.8	26.8	24.9	22.9	25.9	43.4	61.3	68.6	69.5	74.1	76.6	83.3	66.8	95.9	22.9
20	85.1	87.9	88.4	88.4	89.4	88.8	88.7	84.3	70.4	38.9	26.8	24.7	24.1	23.1	23.4	23.5	25.7	39.9	53.9	66.1	71.6	75.6	73.7	78.1	60.0	89.4	23.1
21	82.0	83.2	83.3	80.9	85.6	84.9	87.6	86.7	84.8	84.3	80.2	63.7	51.7	81.6	75.2	85.8	91.3	94.2	97.2	96.4	93.3	91.8	89.4	87.2	84.3	97.2	51.7
22	87.6	87.7	91.0	90.0	92.1	92.4	94.7	90.8	85.3	75.9	61.8	53.9	48.8	45.5	44.8	43.4	45.7	62.3	76.7	82.2	87.8	90.0	87.5	76.3	74.8	94.7	43.4
23	64.0	64.4	55.5	50.2	55.4	53.7	55.4	53.6	51.5	46.9	47.8	48.1	44.7	44.5	43.8	43.6	43.7	47.3	55.3	56.2	72.3	84.0	87.9	87.2	56.5	87.9	43.6
24	87.4	87.9	87.7	90.8	79.4	79.9	82.2	80.3	73.3	67.2	65.1	63.4	62.2	61.3	59.3	64.0	71.3	76.0	82.1	90.2	89.8	93.5	95.6	96.6	78.6	96.6	59.3
25	97.2	94.5	92.9	93.5	94.7	94.8	96.7	96.0	86.1	70.2	45.5	37.1	31.7	31.4	29.2	32.0	35.5	32.1	31.0	33.5	44.2	58.1	59.0	52.8	61.2	97.2	29.2
26	48.2	44.4	48.4	57.2	52.9	55.8	74.7	77.9	70.8	60.4	54.1	53.7	56.4	50.3	47.8	44.5	48.8	55.8	55.2	59.8	63.5	63.4	63.2	65.8	57.2	77.9	44.4
27	67.3	67.2	76.2	75.6	73.2	79.6	80.3	84.1	81.3	71.8	65.2	62.3	58.1	56.7	64.4	67.4	66.1	66.0	71.7	79.3	86.0	87.5	86.6	86.7	73.4	87.5	56.7
28	88.2	89.7	89.1	89.6	90.5	89.7	89.6	88.2	80.8	72.8	50.2	31.5	27.0	27.3	29.7	34.2	37.9	44.2	55.2	59.4	66.9	73.0	72.9	74.0	64.7	90.5	27.0
29	72.6	63.2	57.4	59.2	65.7	65.8	69.2	82.5	68.0	58.0	55.9	51.3	49.9	48.9	48.7	51.3	52.3	56.0	63.2	71.2	82.2	87.2	90.6	91.7	65.1	91.7	48.7
30	92.6	93.1	92.2	92.9	92.9	92.0	92.3	91.4	85.9	77.6	57.7	45.8	41.9	40.0	38.7	39.9	45.0	48.6	52.3	53.2	55.6	56.8	58.3	61.3	66.6	93.1	38.7
31	62.9	64.5	66.4	72.6	77.7	84.3	87.7	89.2	87.7	74.7	43.7	32.6	30.4	27.8	28.4	33.6	38.3	48.3	59.2	66.6	67.9	68.1	75.2	79.3	61.1	89.2	27.8
Avg	82.5	82.9	83.8	83.8	83.9	84.5	86.5	85.7	77.2	64.7	52.7	47.5	44.6	43.8	42.4	42.7	44.9	51.9	62.2	69.0	73.8	77.7	80.1	81.4	68.0	91.8	39.2
Max	97.2	96.7	97.3	97.7	97.5	97.4	97.8	97.6	94.7	91.5	87.5	81.5	87.4	81.6	82.7	85.8	91.3	94.2	97.2	96.4	93.3	93.5	95.6	96.6	84.3	97.8	63.8
Min	48.2	44.4	48.4	50.2	52.9	53.7	55.4	53.6	49.3	38.9	26.8	24.7	23.2	21.5	19.8	21.0	25.7	32.1	31.0	33.5	44.2	56.8	58.3	52.8	56.5	77.9	19.8

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
November 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	82.1	84.1	85.2	86.5	86.8	85.4	82.4	78.7	77.5	65.3	39.7	35.6	33.2	32.4	33.0	33.8	51.0	89.1	90.3	93.0	92.0	93.1	95.1	96.2	71.7	96.2	32.4
2	96.0	96.2	94.1	88.2	83.1	87.3	94.4	92.3	94.1	93.9	93.1	93.0	90.3	87.2	84.8	81.1	80.9	80.9	80.6	79.1	77.1	74.2	73.0	74.6	86.2	96.2	73.0
3	78.3	81.8	85.7	89.2	90.0	90.8	90.1	88.9	86.9	85.0	71.5	66.3	64.0	63.1	63.5	63.7	67.1	73.1	78.3	83.7	87.4	90.7	92.0	91.8	80.1	92.0	63.1
4	89.5	88.1	91.9	92.9	93.4	91.5	91.2	88.1	83.0	78.0	69.0	63.5	58.4	57.1	57.7	66.4	67.1	67.9	70.7	73.1	73.5	70.3	70.7	67.7	75.9	93.4	57.1
5	65.6	67.9	70.8	70.4	69.9	72.3	71.8	70.2	66.8	60.9	59.2	54.9	52.4	53.2	52.8	54.7	56.1	61.1	67.4	73.2	80.4	86.6	89.5	92.4	67.5	92.4	52.4
6	93.2	93.7	93.2	93.6	92.9	92.3	89.4	84.3	82.4	72.8	54.4	49.6	44.5	41.6	38.7	39.2	38.2	46.0	42.9	40.3	41.0	43.1	42.9	54.3	62.7	93.7	38.2
7	67.6	64.6	59.8	60.2	53.3	53.0	59.3	63.3	62.7	59.1	55.7	56.4	55.0	56.1	55.7	55.4	57.8	63.3	68.0	78.2	84.7	86.8	87.8	91.6	64.8	91.6	53.0
8	92.4	92.8	92.4	92.9	92.2	91.9	91.4	91.5	85.9	71.7	45.3	33.4	24.6	22.5	24.1	28.2	31.2	33.9	33.2	33.2	38.1	37.8	39.6	39.0	56.6	92.9	22.5
9	38.5	40.3	42.5	43.5	44.6	47.3	51.9	52.0	55.5	48.6	50.2	53.2	57.1	68.7	75.9	75.8	82.2	87.4	89.0	78.0	72.6	70.4	69.4	70.9	61.1	89.0	38.5
10	71.3	72.8	70.8	74.2	80.8	79.8	80.6	79.6	78.1	75.2	76.1	74.6	74.8	79.1	72.9	62.5	66.6	65.4	63.7	62.3	60.9	62.3	62.6	64.1	71.3	80.8	60.9
11	63.4	64.4	60.1	60.3	61.9	64.8	71.3	73.8	71.0	64.6	66.3	66.1	61.5	66.0	67.8	68.2	62.2	66.2	66.5	71.2	73.1	74.9	75.5	76.1	67.4	76.1	60.1
12	75.9	76.5	76.3	75.5	74.8	74.0	73.9	73.6	68.7	61.9	61.5	59.0	56.1	52.4	50.6	55.3	63.9	70.5	73.5	77.1	77.4	76.7	76.1	75.7	69.0	77.4	50.6
13	74.9	75.1	74.4	74.1	73.6	73.2	73.2	72.8	70.2	64.9	56.1	54.2	49.4	43.9	42.1	42.9	49.5	59.9	67.0	74.2	77.0	78.6	77.7	78.2	65.7	78.6	42.1
14	77.9	76.9	76.6	77.0	77.2	78.6	78.9	78.7	76.8	74.2	73.2	70.0	68.5	64.4	68.0	68.4	66.6	68.5	52.7	55.0	62.3	61.6	58.6	61.2	69.7	78.9	52.7
15	71.0	75.2	78.6	79.1	77.8	77.0	75.4	74.7	70.5	61.5	60.1	61.3	62.3	56.6	55.9	56.1	65.5	73.5	77.8	78.0	78.1	77.3	78.1	78.5	70.8	79.1	55.9
16	77.2	77.1	73.8	76.8	72.5	77.3	84.8	83.9	84.1	83.3	83.1	83.4	79.3	69.7	70.3	72.3	76.2	79.6	80.7	82.9	87.7	86.7	83.6	82.0	79.5	87.7	69.7
17	81.0	80.0	78.9	77.8	77.2	76.8	76.3	75.8	78.2	82.2	80.2	61.2	45.4	47.0	44.4	45.1	55.2	76.2	81.4	80.2	81.2	83.6	83.9	83.4	72.2	83.9	44.4
18	82.4	82.5	83.0	82.8	83.8	84.5	82.2	80.5	76.2	75.1	58.3	50.8	49.1	44.9	45.0	50.7	53.4	58.9	65.9	70.7	72.0	77.5	81.7	85.3	69.9	85.3	44.9
19	86.8	87.1	85.8	84.1	83.6	82.8	82.5	82.0	82.7	79.2	69.4	55.5	45.9	45.5	44.7	46.4	50.3	69.2	74.3	77.5	79.2	81.8	83.7	85.5	72.7	87.1	44.7
20	86.4	87.1	86.7	86.3	85.9	87.0	85.5	85.1	84.9	82.0	77.5	67.7	40.3	35.7	38.7	44.0	48.5	59.6	66.5	64.1	67.6	70.3	68.6	66.2	69.7	87.1	35.7
21	67.7	69.6	71.0	69.2	66.2	67.0	63.0	62.3	64.6	62.1	56.0	53.5	50.9	50.2	54.2	57.5	58.6	60.8	68.7	74.1	70.6	65.1	63.2	63.7	62.9	74.1	50.2
22	63.8	65.8	71.4	67.2	69.9	84.5	88.3	88.4	89.1	79.9	65.0	54.5	48.8	50.0	49.0	44.0	47.9	48.9	51.0	52.6	56.8	63.8	67.7	69.1	64.1	89.1	44.0
23	63.6	64.7	68.3	70.0	67.6	74.2	87.2	87.0	81.4	73.1	63.8	57.8	53.0	51.6	54.4	58.2	63.0	61.6	60.6	61.6	61.5	63.1	66.1	74.4	66.2	87.2	51.6
24	84.9	89.8	88.0	85.9	85.2	78.5	74.4	78.4	77.8	78.9	75.7	68.1	62.1	56.7	54.5	56.4	58.6	57.6	57.3	58.0	60.1	78.8	82.2	82.0	72.1	89.8	54.5
25	84.3	83.5	76.9	66.2	71.0	74.8	81.5	90.5	94.1	93.1	88.0	87.9	88.7	83.7	87.1	79.3	85.6	91.6	92.1	92.3	92.3	92.4	92.2	92.0	85.9	94.1	66.2
26	92.1	91.9	91.7	92.1	92.1	92.0	91.8	91.8	90.8	86.9	87.0	84.3	84.5	81.9	86.0	89.7	91.7	93.3	93.8	94.4	94.9	95.0	94.8	95.9	90.9	95.9	81.9
27	95.3	94.8	95.0	94.4	94.2	94.3	93.5	91.1	88.4	88.3	85.6	73.1	74.3	75.3	64.4	54.2	68.5	74.8	62.8	61.2	71.0	71.2	69.0	67.7	79.3	95.3	54.2
28	64.2	62.8	62.1	58.8	56.9	56.6	59.1	61.2	64.4	65.5	60.9	59.7	56.7	53.0	51.8	54.7	53.9	53.3	51.1	56.5	60.6	50.1	48.8	59.6	57.6	65.5	48.8
29	63.8	69.9	76.5	82.1	85.6	85.0	81.8	77.9	75.8	75.4	74.5	72.7	71.5	72.2	72.3	72.7	74.0	74.7	75.0	74.1	73.5	73.3	74.0	74.4	75.1	85.6	63.8
30	74.4	74.4	73.0	72.6	74.2	74.7	74.7	75.3	74.9	71.5	63.5	63.5	61.0	59.2	50.2	56.8	74.6	82.0	81.3	79.8	78.1	77.6	76.2	76.7	71.7	82.0	50.2
Avg	76.8	77.7	77.8	77.5	77.3	78.3	79.4	79.1	77.9	73.8	67.3	62.8	58.8	57.4	57.0	57.8	62.2	68.3	69.5	71.0	72.8	73.8	74.1	75.7	71.0	86.6	51.9
Max	96.0	96.2	95.0	94.4	94.2	94.3	94.4	92.3	94.1	93.9	93.1	93.0	90.3	87.2	87.1	89.7	91.7	93.3	93.8	94.4	94.9	95.0	95.1	96.2	90.9	96.2	81.9
Min	38.5	40.3	42.5	43.5	44.6	47.3	51.9	52.0	55.5	48.6	39.7	33.4	24.6	22.5	24.1	28.2	31.2	33.9	33.2	33.2	38.1	37.8	39.6	39.0	56.6	65.5	22.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
December 2014

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	76.6	76.6	77.5	77.3	77.5	78.4	79.1	78.4	78.7	82.0	84.6	85.1	46.1	43.4	49.5	52.2	57.0	59.2	61.4	64.7	71.9	71.9	67.2	66.3	69.3	85.1	43.4
2	63.7	62.3	62.9	63.7	61.3	62.4	66.1	61.0	59.1	57.6	55.0	50.9	51.7	52.1	51.3	50.6	53.3	60.1	70.2	76.5	81.0	81.6	83.8	83.4	63.4	83.8	50.6
3	82.7	81.9	82.4	82.8	83.2	83.6	83.1	83.3	82.9	81.0	78.1	71.3	55.9	47.3	37.6	44.1	63.9	77.3	82.6	82.9	84.7	85.8	87.0	87.8	75.5	87.8	37.6
4	85.8	86.1	85.9	86.3	86.0	89.2	91.7	92.3	94.1	93.4	89.8	86.8	85.2	83.7	85.1	86.7	89.5	90.9	94.8	96.6	96.8	97.0	96.7	96.3	90.3	97.0	83.7
5	96.9	97.1	97.4	97.7	97.5	97.6	97.6	97.6	97.2	95.1	91.9	89.6	86.2	85.0	89.0	91.3	94.9	95.3	95.1	96.4	97.2	96.8	96.0	94.6	94.6	97.7	85.0
6	94.9	93.7	93.3	93.1	92.8	92.1	91.8	92.4	92.5	93.5	93.9	83.7	59.2	56.5	75.1	86.4	87.7	82.8	80.3	81.4	82.8	80.1	80.3	75.5	84.8	94.9	56.5
7	76.0	70.8	69.1	68.8	69.2	69.6	72.6	71.7	73.1	68.7	65.2	62.8	61.1	58.1	54.2	53.5	60.9	70.1	77.2	80.9	83.9	88.5	89.2	90.8	71.1	90.8	53.5
8	90.3	90.6	89.6	89.9	88.9	89.2	89.0	88.4	88.1	87.1	82.2	71.1	51.0	53.0	55.8	57.5	56.9	64.7	75.4	80.2	84.8	88.9	91.5	92.0	79.0	92.0	51.0
9	91.1	92.7	91.4	91.3	91.3	90.9	90.2	89.9	89.5	88.6	88.1	76.3	56.8	46.8	49.5	58.7	66.9	75.0	79.5	82.8	82.3	84.5	88.7	89.0	80.5	92.7	46.8
10	91.0	91.6	92.1	91.8	92.7	94.4	94.8	94.2	94.7	92.1	79.9	76.3	70.5	66.3	61.0	66.8	72.9	75.1	75.5	77.6	79.5	78.3	79.2	84.1	82.2	94.8	61.0
11	84.3	78.0	69.0	52.8	40.9	40.7	41.5	45.4	42.2	37.6	36.8	38.6	39.8	40.2	39.9	40.9	42.8	55.2	54.7	50.4	54.9	57.4	60.4	50.6	49.8	84.3	36.8
12	53.9	58.2	53.4	52.1	50.8	66.9	61.4	55.3	56.0	46.5	45.7	40.7	39.5	36.6	35.0	36.0	40.2	47.3	63.8	68.0	76.2	77.9	81.1	81.0	55.1	81.1	35.0
13	69.2	64.7	66.9	70.1	74.4	80.3	82.3	83.9	83.8	78.7	69.5	68.6	78.8	93.9	95.6	92.0	91.0	90.1	89.5	85.8	82.8	82.2	82.3	81.9	80.8	95.6	64.7
14	81.5	80.5	81.0	81.6	82.2	83.0	83.1	82.3	80.3	79.0	74.2	72.2	70.0	71.0	72.2	70.9	76.3	80.3	78.2	75.9	80.9	84.0	87.6	88.0	79.0	88.0	70.0
15	88.9	88.9	89.9	90.6	89.7	89.5	89.7	87.7	86.9	83.2	76.7	75.5	75.4	69.7	74.1	76.5	79.1	80.0	82.5	Pw	Pw	Pw	Pw	Pw	82.9	90.6	69.7
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	79.2	70.4	68.7	85.3	92.9	90.2	87.8	86.4	84.6	84.2	83.6	83.0	92.9	68.7
18	83.6	83.9	84.9	86.8	87.5	88.8	89.3	89.9	90.1	90.2	91.4	88.6	77.3	61.3	65.0	69.3	73.0	81.7	85.5	84.7	84.4	86.3	86.3	86.0	83.2	91.4	61.3
19	88.2	91.4	92.6	91.6	90.1	88.8	87.9	87.6	86.8	87.1	Au	Au	Au	Au	60.8	65.4	71.2	75.6	80.7	89.1	87.6	89.0	85.9	83.9	84.1	92.6	60.8
20	79.4	81.9	84.5	75.5	69.1	74.2	82.9	86.1	85.6	82.9	79.2	73.3	68.8	61.3	64.5	66.1	70.4	72.9	68.5	73.0	71.2	74.6	77.3	78.2	75.1	86.1	61.3
21	75.3	79.3	76.1	89.3	94.0	93.7	94.5	96.4	93.0	82.2	78.1	73.3	64.4	58.4	59.0	53.6	51.0	60.3	64.2	65.9	67.9	72.6	76.9	80.8	75.0	96.4	51.0
22	83.2	84.2	82.2	86.3	91.7	93.9	93.8	92.8	89.6	87.1	81.9	84.9	83.1	84.7	87.2	87.3	87.4	90.7	90.2	86.6	92.4	90.0	91.6	92.4	88.1	93.9	81.9
23	92.5	91.6	89.7	88.2	86.6	86.5	86.7	84.9	83.4	84.3	82.1	79.9	80.0	74.0	70.0	76.1	84.1	88.8	88.6	88.8	87.7	87.4	88.6	89.1	85.0	92.5	70.0
24	89.8	87.8	83.0	82.6	81.0	86.0	87.3	85.1	83.8	79.1	77.3	66.1	69.9	79.1	82.2	82.7	92.8	95.5	95.5	88.4	88.3	91.0	88.7	80.2	84.3	95.5	66.1
25	79.3	77.4	72.0	69.2	76.0	74.2	72.6	77.7	82.4	79.7	78.3	73.0	78.6	83.4	82.7	83.6	87.7	85.9	83.6	82.9	81.6	80.3	78.9	78.6	79.1	87.7	69.2
26	80.6	81.0	82.5	83.5	83.5	84.3	84.8	84.8	85.6	85.6	85.0	78.6	81.1	80.2	80.1	76.1	84.0	85.3	82.5	82.0	80.7	82.2	83.3	83.9	82.5	85.6	76.1
27	84.1	85.9	86.6	86.1	82.3	78.8	80.2	80.1	82.2	80.3	78.0	75.8	73.1	73.2	75.8	82.6	88.2	85.4	81.4	84.0	88.0	88.6	88.9	90.0	82.5	90.0	73.1
28	90.3	90.7	91.1	90.9	90.8	90.9	90.7	90.6	90.3	89.5	87.9	85.4	82.0	81.1	73.2	74.5	75.9	69.5	68.8	69.5	71.4	75.0	77.2	76.3	82.2	91.1	68.8
29	77.5	80.4	80.1	79.9	78.9	78.9	78.6	78.5	74.4	71.4	67.8	62.4	65.6	64.2	66.1	67.3	66.4	67.5	71.3	73.5	75.5	76.1	73.7	73.4	72.9	80.4	62.4
30	70.3	70.7	69.4	68.7	67.7	66.7	65.9	64.4	64.1	63.6	66.0	64.8	65.8	62.8	66.9	66.6	72.8	76.5	75.9	74.7	74.6	75.8	76.5	78.2	69.6	78.2	62.8
31	76.6	73.9	73.6	76.0	77.7	78.6	76.5	78.1	77.4	75.9	70.6	63.1	45.7	44.8	39.8	47.4	62.8	73.9	77.9	80.0	82.4	82.2	81.6	81.6	70.8	82.4	39.8
Avg	82.0	81.9	81.0	80.8	80.5	81.8	82.3	82.1	81.6	79.4	76.3	72.1	66.5	65.2	65.6	67.7	72.9	76.9	78.9	79.7	81.4	82.4	83.1	82.7	77.7	89.8	60.6
Max	96.9	97.1	97.4	97.7	97.5	97.6	97.6	97.6	97.2	95.1	93.9	89.6	86.2	93.9	95.6	92.0	94.9	95.5	95.5	96.6	97.2	97.0	96.7	96.3	94.6	97.7	85.0
Min	53.9	58.2	53.4	52.1	40.9	40.7	41.5	45.4	42.2	37.6	36.8	38.6	39.5	36.6	35.0	36.0	40.2	47.3	54.7	50.4	54.9	57.4	60.4	50.6	49.8	78.2	35.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
October 2014

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010	0.000	0.000	0.000	0.050	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.110	0.050
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.040
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Au	Au	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.030	0.000	0.000	0.000	0.000	0.010	0.060	0.030
12	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.030	0.010	0.000	0.010	0.000	0.000	0.020	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.110	0.030
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.000	0.000	0.050	0.050
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.010	0.000	0.000	0.000	0.000	0.010	0.090	0.060	0.080	0.000	0.000	0.000	0.000	0.000	0.310	0.090
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010	0.000	0.000	0.030	0.020
24	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.020	0.010
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.010	0.000	0.000	0.000	0.000	0.010	0.040	0.090	0.010	0.060	0.020	0.050	0.020	0.020	0.000	0.010	0.110	0.080	0.170	0.000	0.020	0.010	0.000	0.010	0.740	0.000
Max	0.010	0.000	0.000	0.000	0.000	0.010	0.030	0.040	0.010	0.060	0.010	0.050	0.020	0.020	0.000	0.010	0.090	0.060	0.080	0.000	0.020	0.010	0.000	0.010	0.310	0.090

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
November 2014

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.050	0.130	0.070	0.000	0.000	0.000	0.260	0.130
2	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.060	0.040
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.060
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.020
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010
27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Tot	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.000	0.020	0.010	0.020	0.070	0.010	0.010	0.020	0.010	0.040	0.030	0.060	0.130	0.070	0.000	0.000	0.000	0.530	0.000
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.010	0.010	0.010	0.060	0.010	0.010	0.010	0.010	0.040	0.010	0.050	0.130	0.070	0.000	0.000	0.000	0.260	0.130

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
December 2014

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Tot																										
Max																										

APPENDIX B: PERFORMANCE AUDIT REPORTS FOURTH QUARTER 2014

BISON
ENGINEERING, INC.

PRELIMINARY METEOROLOGICAL AUDIT REPORT

Client : Tintina Resources
SITE : Black Butte DATE : 12/19/14

Audit Start Time : 10:50 MST Audit End Time : 13:30 MST

Temperature

Audit Device : Control Company Digital Thermometer
Model Number : 4000 Serial Number : 140251289
Last certified : 04/10/14
Sensor Make : Climatronics
Model Number : 100093 Serial Number Upper: 8253 Serial Number Lower: 8255

Temperature bath results

Audit Value oC	19m DAS Value oC	19m DAS Diff. oC	2m DAS Value oC	2m DAS Diff. oC	19m - 2m DAS Diff. oC
-10.00	-9.61	0.39	-9.85	0.15	-0.24
19.65	19.36	-0.29	19.70	0.05	0.34
49.44	49.04	-0.40	49.60	0.16	0.56

Wind Direction

Alignment Audit Device : Sokkia Transit-Magnetic
Model Number : 116
Linearity Audit Device : Climatronics
Model Number : 101966 Serial Number : 72
Sensor height : 10 Meter
Sensor Make : Climatronics
Model Number : 102083 Serial Number : K2336C

Crossarm Orientation : N-S
Magnetic Declination : 12
Measured Degrees : 12
Sensor response aligned with crossarm (as found) : 0.7
Sensor response aligned with crossarm (as left) : 0.7

Linearity Check from DAS (as found)

Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	0.7	0.6	0.7	0.6
30	30.8	30.8	0.8	0.8
60	63.9	60.3	3.9	0.3
90	90.0	90.2	0.0	0.2
120	120.0	119.8	0.0	-0.2
150	149.6	149.5	-0.4	-0.5
180	179.8	180.0	-0.2	0.0
210	210.3	210.2	0.3	0.2
240	241.8	240.2	1.8	0.2
270	270.1	270.6	0.1	0.6
300	303.2	300.5	3.2	0.5
330	331.1	330.9	1.1	0.9
		Max Diff	3.9	0.8

Linearity Check from DAS (as left)

Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	2	2	2.1	2.2
90	91	91	1.4	1.4
180	180	182	0.4	2.2
270	271	269	1.2	-0.8
		Max Diff	2.1	2.2

Wind Speed

Audit Device : RMYoung
Model Number : 18811 Serial Number : CA02929
Last certified : NA
Sensor height : 10 Meter
Sensor Make : Climatronics
Model Number : 102083 Serial Number : K2336C

Synchronous motor checks

Known Value RPM	Audit Value MPS	DAS Station Value MPS	DAS Diff. MPS
0	0.2	0.2	0.0
300	6.7	6.7	0.0
600	13.1	13.1	0.0
950	20.6	20.6	0.0

Relative Humidity

Audit Device :	Taylor Hygometer		
Model Number :	5522	Serial Number :	66978
Last certified :	NA		
Sensor height :	10 Meter		
Sensor Make :	Met One		
Model Number :	083E-0-35	Serial Number :	P18245

Audit Dry-Bulb: oC To cold	Audit Wet-Bulb oC To cold	Audit Audit RH %RH To cold	Audit Station RH %RH To cold	Audit Diff %RH To cold

Barometric Pressure

Audit Device :	Delta Cal		
Model Number :	Delta Cal	Serial Number :	999
Last certified :	03/19/14		
Sensor Make :	Climatronics		
Model Number :	102663-G0	Serial Number :	42017

Audit Value In Hg	Station Value In Hg	Audit Diff. In Hg
24.16	24.28	0.12

Precipitation

Audit Device :	Fisher Scientific		
Model Number :	S32814A	Serial Number :	250 ml
Last certified :	NA		
Sensor Make :	Climatronics		
Model Number :	100097-1-G0-H0	Serial Number :	N3939
Opening :	8	Inch	
Bucket Tip :	0.254	MM	
Bucket Tip Volume :	8.24	ML	
Level checked :	OK		
Wind Screen in place :	OK		

Known Value ML	Known Value Bucket Tips	Station Value Bucket Tips	% Diff
250.0	30	31	2.1
250.0	30	31	2.1

Signature Site Operator : _____

Signature Auditor : _____

Note: These preliminary results are subject to appropriate changes following verification of audit equipment,procedures,and calculations.

TINTINA RESOURCES, INC.
BLACK BUTTE COPPER PROJECT AMBIENT AIR MONITORING PROGRAM
Quarterly Data Report
First Quarter 2015

Prepared for:

Tintina Resources, Inc.
17 East Main St
White Sulphur Springs, MT 59645

Prepared by:

Bison Engineering, Inc.
1111 Maggie Lane
Billings, MT 59101
(406) 896-1716
http://www.bison-eng.com

May 1, 2015

CERTIFICATION OF DATA INTEGRITY

Bison Engineering, Inc., certifies the data in this report is an accurate summary of the air quality conditions measured at the Black Butte Copper Project air monitoring site. Every effort was made to obtain accurate and representative data and to comply with the procedures set forth in the project-specific *Quality Assurance Project Plan*, the *State of Montana Ambient Air Monitoring Program Quality Assurance Project Plan (April 2013)*, and the Environmental Protection Agency's *Quality Assurance Handbook for Air Pollution Measurement Systems: Volume I, A Field Guide to Environmental Quality Assurance (April 1994), Volume II, Ambient Air Quality Program (May 2013), and Volume IV, Meteorological Measurements (March 2008).*

Preparer: Jeffrey S. Bell

Signature: Jeffrey S Bell

Title: Senior Field Technician

Date: 4/14/15

Reviewer: Rebecca L. Picchioni, P.E.

Signature: Rebecca L Picchioni

Title: Project Engineer

Date: 4/29/15

TABLE OF CONTENTS

CERTIFICATION OF DATA INTEGRITY ii

1.0 INTRODUCTION 1

2.0 MONITORING SYSTEM OPERATIONS 3

3.0 CALIBRATION DATA 4

4.0 PERFORMANCE AUDIT DATA 5

5.0 DATA COMPLETENESS 6

6.0 MONITORING DATA 11

LIST OF TABLES

Table 1. Monthly Data Completeness 7
Table 2. Quarterly Data Completeness 10
Table 3a. Periods of Missing Data 10
Table 3b. Suspected False Non-Zero Precipitation Readings 10
Table 4. Missing Data Codes 12
Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 13
Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 14
Table 7. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 15
Table 8. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower 16

LIST OF FIGURES

Figure 1. Monitoring Site Location 2
Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower 17
Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower 18
Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower 19
Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower 20

APPENDICES

Appendix A: Meteorological Data
Appendix B: Performance Audit Reports

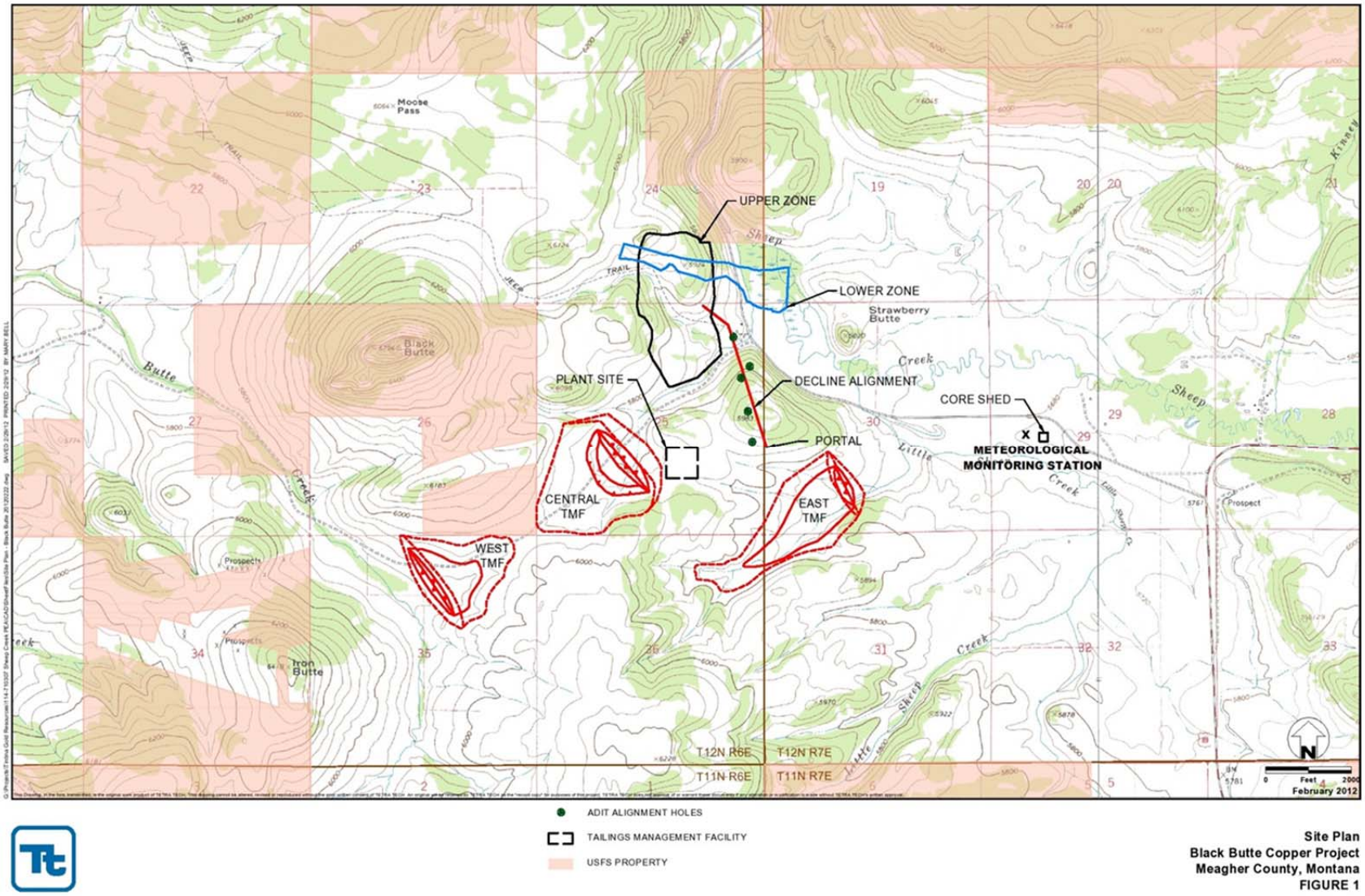
1.0 INTRODUCTION

Tintina Resources, Inc. established an ambient air monitoring site to measure wind speed, wind direction, standard deviation of wind direction, temperature at 9 meters and 2 meters, delta temperature, solar radiation, barometric pressure, and precipitation. The station was established to accurately characterize the local meteorology and collect baseline data in support of an operating permit application and various environmental studies.

The meteorological monitoring system was installed in April 2012. The site is operated by Bison Engineering, Inc., of Helena and Billings. Figure 1 shows the location of the monitoring site.

This report presents the data collected during the first quarter (January through March) of 2015. In addition, a description of the monitoring system operations is presented, together with summaries of quality assurance activities, including calibrations and performance audits. Tabular summaries of the data completeness achieved and the periods of missing data also are presented. Appendix A presents hourly meteorological data collected.

Figure 1. Monitoring Site Location



2.0 MONITORING SYSTEM OPERATIONS

The installation of the monitoring meteorological system equipment took place in April 2012, soon after the equipment was received from the manufacturers. The installation and calibration of the equipment required about two weeks to complete. All meteorological parameters were in full operation and producing valid data by April 30, 2012.

Steve Heck of Bison conducted performance audits of the meteorological system on March 11, 2015. All results were satisfactory. The Bison report of the audits is presented in Appendix B. The wind speed and wind direction sensors were replaced and calibrated after the audits were completed.

3.0 CALIBRATION DATA

As discussed in Section 4.0, the system's as-found condition was audited on March 11, 2015. Refurbished wind speed and wind direction sensors were installed and calibrated after the audits were completed, so that the existing units could be serviced (they were working properly when removed). No calibration adjustments were needed for any of the other meteorological instruments, based on the audit results.

4.0 PERFORMANCE AUDIT DATA

Steve Heck of Bison conducted performance audits of the meteorological system on March 11, 2015. All results were satisfactory. The Bison report of the audits is presented in Appendix B.

5.0 DATA COMPLETENESS

The meteorological percentages of data recovery achieved during the first quarter of 2015 are given in Tables 1 and 2. In these tables, the number of possible data values during each month of the quarter is given, together with the number of valid readings and the number of hours spent on quality assurance activities (such as calibrations, performance audits, and maintenance on the sensors). The quality assurance hours are added to the number of hours of valid data to compute the net percentage data recovery.

During the first quarter the net percentage data recovery was 94.4 percent for precipitation (discussed below), 99.5 percent for wind speed and 100.0 percent for all other parameters at the site. The loss of wind speed data was due to the sensor's cups being frozen in place because of weather. Those periods of missing data are summarized in Table 3a.

The precipitation gauge opening at the Tintina site is located approximately 18 inches above ground level, and the early part of the winter of 2014 – 2015 experienced heavy snowfall. The Tintina site representative was diligent about keeping the precipitation gauge and the area within its wind screen clear of snow, but the general snow depth at the Tintina site was sufficient to cause drifting at times during the latter half of January. This resulted in drifting of snow into the gauge, and false positive precipitation readings as the accumulated snow melted. The snowpack melted rapidly during February and March due to unusually mild weather, so drifting did not affect the precipitation readings in those months.

Table 3b lists the periods when drifting effects were suspected based on Bison's review of the meteorological data file. Those periods were assigned hourly values of 0.000 inches in Appendix A, since it is ***probable*** that the actual precipitation amount during those hours was zero. Because that cannot be known with certainty, those periods have been counted as missing data in Tables 1 and 2. This resulted in a net data recovery for precipitation of 83.6 percent for January and 94.4 percent for the quarter.

In general, false positive precipitation periods were suspected when:

1) Non-zero precipitation readings were accompanied by low-to-moderate relative humidity readings (versus readings of 75-80% or higher that would typically occur during a precipitation event), ***and***

2) Significant wind (indicating potential drifting) was present, generally 4-5 meters per second or higher.

Table 1. Monthly Data Completeness

January 2015					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	744	100.0	0	100.0
Wind Direction	744	744	100.0	0	100.0
Standard Deviation	744	744	100.0	0	100.0
Temperature 9 Meters	744	744	100.0	0	100.0
Temperature 2 Meters	744	744	100.0	0	100.0
Temperature Delta T	744	744	100.0	0	100.0
Solar Radiation	744	744	100.0	0	100.0
Barometric Pressure	744	744	100.0	0	100.0
Relative Humidity	744	744	100.0	0	100.0
Precipitation	744	622	83.6	0	83.6
Total	7,440	7,318	98.4	0	98.4

Table 1. Monthly Data Completeness (Continued)

February 2015					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	672	672	100.0	0	100.0
Wind Direction	672	672	100.0	0	100.0
Standard Deviation	672	672	100.0	0	100.0
Temperature 9 Meters	672	672	100.0	0	100.0
Temperature 2 Meters	672	672	100.0	0	100.0
Temperature Delta T	672	672	100.0	0	100.0
Solar Radiation	672	672	100.0	0	100.0
Barometric Pressure	672	672	100.0	0	100.0
Relative Humidity	672	672	100.0	0	100.0
Precipitation	672	672	100.0	0	100.0
Total	6,720	6,720	100.0	0	100.0

Table 1. Monthly Data Completeness (Continued)

March 2015					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	727	97.7	6	98.5
Wind Direction	744	738	99.2	6	100.0
Standard Deviation	744	738	99.2	6	100.0
Temperature 9 Meters	744	738	99.2	6	100.0
Temperature 2 Meters	744	738	99.2	6	100.0
Temperature Delta T	744	738	99.2	6	100.0
Solar Radiation	744	738	99.2	6	100.0
Barometric Pressure	744	738	99.2	6	100.0
Relative Humidity	744	738	99.2	6	100.0
Precipitation	744	738	99.2	6	100.0
Total	7,440	7,369	99.0	60	99.9

Table 2. Quarterly Data Completeness

First Quarter 2015					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	2,160	2,143	99.2	6	99.5
Wind Direction	2,160	2,154	99.7	6	100.0
Standard Deviation	2,160	2,154	99.7	6	100.0
Temperature 9 Meters	2,160	2,154	99.7	6	100.0
Temperature 2 Meters	2,160	2,154	99.7	6	100.0
Temperature Delta T	2,160	2,154	99.7	6	100.0
Solar Radiation	2,160	2,154	99.7	6	100.0
Barometric Pressure	2,160	2,154	99.7	6	100.0
Relative Humidity	2,160	2,154	99.7	6	100.0
Precipitation	2,160	2,032	94.1	6	94.4
Total	21,600	21,407	99.1	60	99.4

Table 3a. Periods of Missing Data

First Quarter 2015						
Starting Date/Hour	Ending Date/Hour	Site	Parameter	Total Hours	Percent of Month	Circumstance
Mar 23/21	Mar 24/7	Met Tower	Wind Speed	11	0.51	Missing data: Cups frozen in place.

Table 3b. Suspected False Non-Zero Precipitation Readings

First Quarter 2015				
Start Date	Start Hour	End Date	End Hour	Number of Hours
January 2015				
Jan 16	13	Jan 18	6	42
Jan 18	12	Jan 19	20	33
Jan 24	11	Jan 26	3	41
Jan 26	11	Jan 26	16	6

6.0 MONITORING DATA

The hourly data values collected at the monitoring sites are given in the data tables in Appendix A. Each of these tables presents one month's data for all parameters in the monitoring system. In addition, the average, maximum, and minimum values for each parameter for each day are listed (for wind direction, the prevailing wind direction for the day is given). For those hours with missing data, a code is given that explains the reason the data were missing. These codes are given in Table 4.

Monthly and quarterly wind rose distributions from the monitoring site are presented in Tables 5 through 8. These tables give the percentage frequency of occurrence of winds from 16 cardinal directions and from 22 wind speed ranges. These same data are presented graphically in Figures 2 through 5. In the wind rose figures, the length of each "petal" of the rose is proportional to the percentage of time the wind blew from that direction. On the bottom of each figure is a histogram showing the average wind speed from each of the cardinal wind directions.

Table 4. Missing Data Codes

Mnemonic Code	Description	Equivalent EPA Null Value Reason Code
Sc	Scheduled but not collected	9972
Ti	Sample time out of limits	9973
Fi	Filter damage	9976
Op	Voided by operator	9978
ND	Machine malfunction	9980
Wx	Bad weather	9981
Co	Collection error	9983
Lb	Lab error	9984
QA	Poor quality assurance results	9985
Pwr	Power failure	9988
Wi	Wildlife damage	9989
AZ	Automatic zero/span check	9991
ZS	Manual zero/span check	9986
Au	Performance audit	9992
Ma	Routine maintenance/repairs	9993
Ca	Multipoint calibration	9995
PZ	Precision/zero/span	9998

Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

January 2015																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	3.2	2.3	2.0	2.0	4.4	5.5	4.6	2.8	1.5	0.3	0.7	0.5	0.5	1.2	1.5	1.6	34.7
	1.1 - 2.0	0.7	1.7	2.8	2.6	4.0	4.2	3.0	1.5	0.8	0.4	0.4	0.4	0.8	1.6	1.6	0.5	27.0
	2.1 - 3.0	0.1	0.1	0.8	2.0	2.3	0.4	0.3	0.4	0.4	0.1	0.0	0.5	1.1	0.8	1.5	0.5	11.4
	3.1 - 4.0	0.1	0.1	0.0	0.1	0.8	0.3	0.0	0.1	0.4	0.0	0.0	0.3	0.9	2.4	1.3	0.0	7.0
	4.1 - 5.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.7	1.3	1.5	0.9	0.1	5.1
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.0	1.9	1.5	0.0	0.0	4.2
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.1	2.0	1.6	0.5	0.1	4.8
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.5	0.1	0.5	0.1	2.7
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.0	1.2
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	0.3	0.0	0.0	1.1
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	4.2	4.4	5.6	6.7	11.6	10.3	7.8	5.8	3.4	0.9	1.3	3.1	12.0	11.6	8.2	3.1	100.0
	Average Speed	0.9	1.2	1.4	1.6	1.5	1.1	1.0	1.9	1.8	2.1	1.6	3.7	5.6	4.2	3.2	1.9	2.4

Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

February 2015																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.2	1.5	2.1	1.5	1.5	1.9	1.8	1.0	0.4	0.3	0.1	0.4	0.7	0.4	0.4	1.0	16.5
	1.1 - 2.0	0.4	1.8	2.8	3.1	3.7	3.1	2.4	0.9	0.1	0.0	0.3	0.6	1.9	1.8	2.4	0.4	25.9
	2.1 - 3.0	0.1	0.4	0.3	0.9	2.8	0.4	0.7	0.4	0.4	0.1	0.1	0.4	1.6	2.8	2.2	0.9	15.0
	3.1 - 4.0	0.6	0.0	0.0	0.1	0.9	0.3	0.0	0.4	0.3	0.0	0.0	0.6	2.4	3.0	1.9	0.4	11.0
	4.1 - 5.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	1.3	0.0	0.3	0.1	0.3	4.2	1.0	1.9	0.3	10.0
	5.1 - 6.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.7	0.4	1.0	2.2	2.5	0.9	0.3	8.9
	6.1 - 7.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.1	0.3	0.3	2.7	1.5	0.4	0.4	6.5
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.6	0.1	1.8	0.3	0.0	0.3	3.4
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.3	0.0	0.3	0.0	0.0	0.4	1.5
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.6
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.1	0.0	0.0	0.0	0.6
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	3.0	3.7	5.2	5.7	9.1	6.0	4.9	5.2	1.8	2.1	3.3	3.9	18.0	13.4	10.3	4.6	100.0
	Average Speed	2.4	1.4	1.2	1.5	1.9	1.5	1.3	3.3	3.4	5.2	6.8	3.7	4.6	3.9	3.2	3.6	3.1

Table 7. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

March 2015																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.7	1.1	1.4	0.7	1.8	1.0	1.0	0.6	0.6	0.0	0.1	0.1	0.3	0.4	0.6	0.7	10.9
	1.1 - 2.0	0.7	1.7	2.5	2.8	4.4	3.6	2.9	2.3	1.0	0.4	0.3	0.6	0.6	0.7	1.1	1.1	26.4
	2.1 - 3.0	0.0	0.0	0.4	1.2	1.7	2.8	0.6	1.2	0.0	0.3	0.3	0.6	2.5	0.8	1.0	0.6	13.8
	3.1 - 4.0	0.1	0.1	0.1	0.6	1.0	0.6	0.1	0.8	0.1	0.1	0.1	0.4	3.0	1.4	0.8	0.1	9.6
	4.1 - 5.0	0.3	0.0	0.0	0.1	0.4	0.1	0.0	0.3	0.0	0.4	0.3	1.2	2.9	1.5	0.7	0.7	8.9
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.1	0.6	1.5	5.0	1.1	0.6	0.8	10.3
	6.1 - 7.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.1	0.1	0.6	1.1	3.6	0.8	0.0	0.0	8.1
	7.1 - 8.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.3	0.3	0.8	2.3	1.0	0.1	0.0	5.4
	8.1 - 9.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.3	0.7	1.5	0.4	0.3	0.0	3.6
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.8	0.0	0.0	0.0	1.5
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.6
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.3
	12.1 - 13.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.6
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	2.1	3.2	4.4	5.4	9.2	8.0	4.5	7.7	2.2	1.9	3.0	7.6	23.5	8.3	5.1	4.0	100.0
	Average Speed	2.6	2.1	1.3	1.9	1.9	2.0	1.5	3.6	2.5	4.3	5.5	5.6	5.7	4.8	3.4	2.9	3.7

Table 8. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower

First Quarter 2015																		
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.7	1.6	1.8	1.4	2.6	2.8	2.5	1.5	0.8	0.2	0.3	0.4	0.5	0.7	0.8	1.1	20.9
	1.1 - 2.0	0.6	1.7	2.7	2.8	4.1	3.6	2.8	1.6	0.7	0.3	0.3	0.5	1.1	1.4	1.7	0.7	26.5
	2.1 - 3.0	0.1	0.2	0.5	1.4	2.2	1.2	0.5	0.7	0.3	0.2	0.1	0.5	1.7	1.4	1.5	0.7	13.3
	3.1 - 4.0	0.3	0.1	0.0	0.3	0.9	0.4	0.0	0.5	0.3	0.0	0.0	0.4	2.1	2.2	1.4	0.2	9.1
	4.1 - 5.0	0.1	0.0	0.0	0.0	0.2	0.1	0.0	0.6	0.0	0.2	0.2	0.7	2.8	1.4	1.2	0.4	7.9
	5.1 - 6.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.8	3.0	1.7	0.5	0.4	7.7
	6.1 - 7.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.1	0.3	0.5	2.8	1.3	0.3	0.2	6.5
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.3	0.5	1.9	0.5	0.2	0.1	3.8
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.8	0.3	0.2	0.1	2.1
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5	0.1	0.0	0.0	1.1
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.0	0.0	0.0	0.5
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	3.1	3.8	5.1	5.9	10.0	8.2	5.8	6.3	2.5	1.6	2.5	4.9	17.8	11.0	7.8	3.9	100.0
	Average Speed	1.8	1.5	1.3	1.7	1.8	1.5	1.2	3.0	2.4	4.2	5.3	4.7	5.3	4.2	3.3	2.9	3.1

Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower

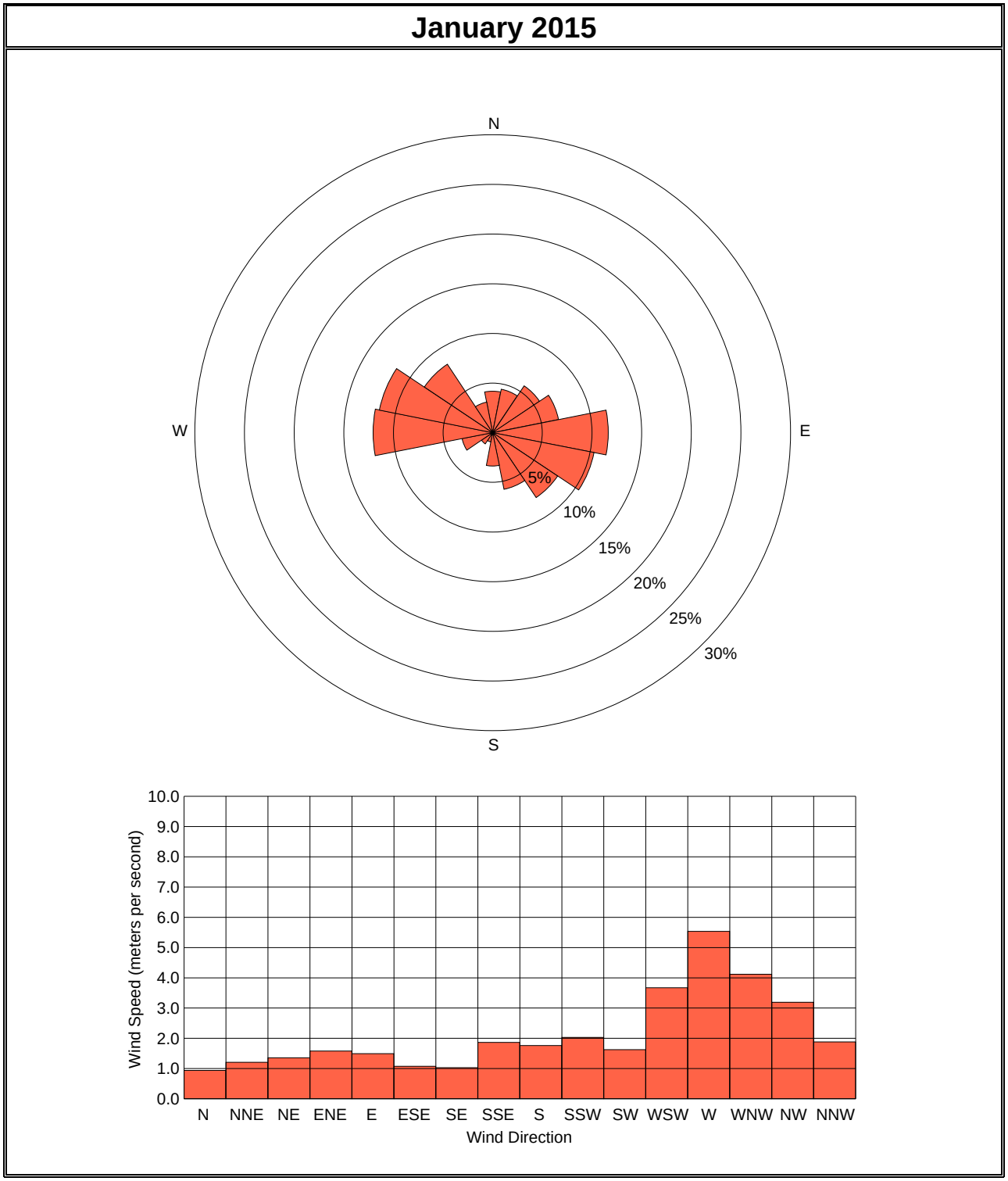


Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower

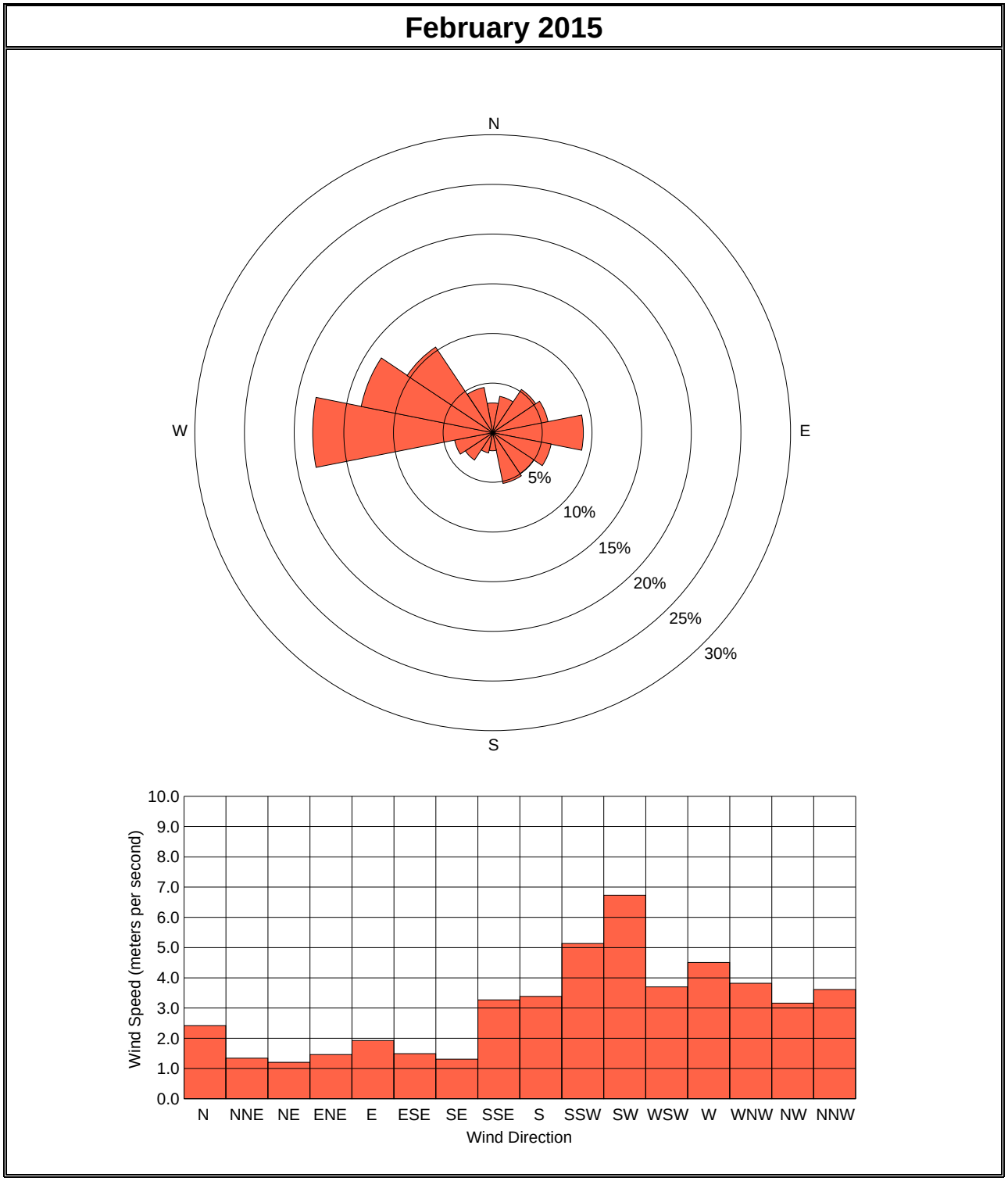


Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower

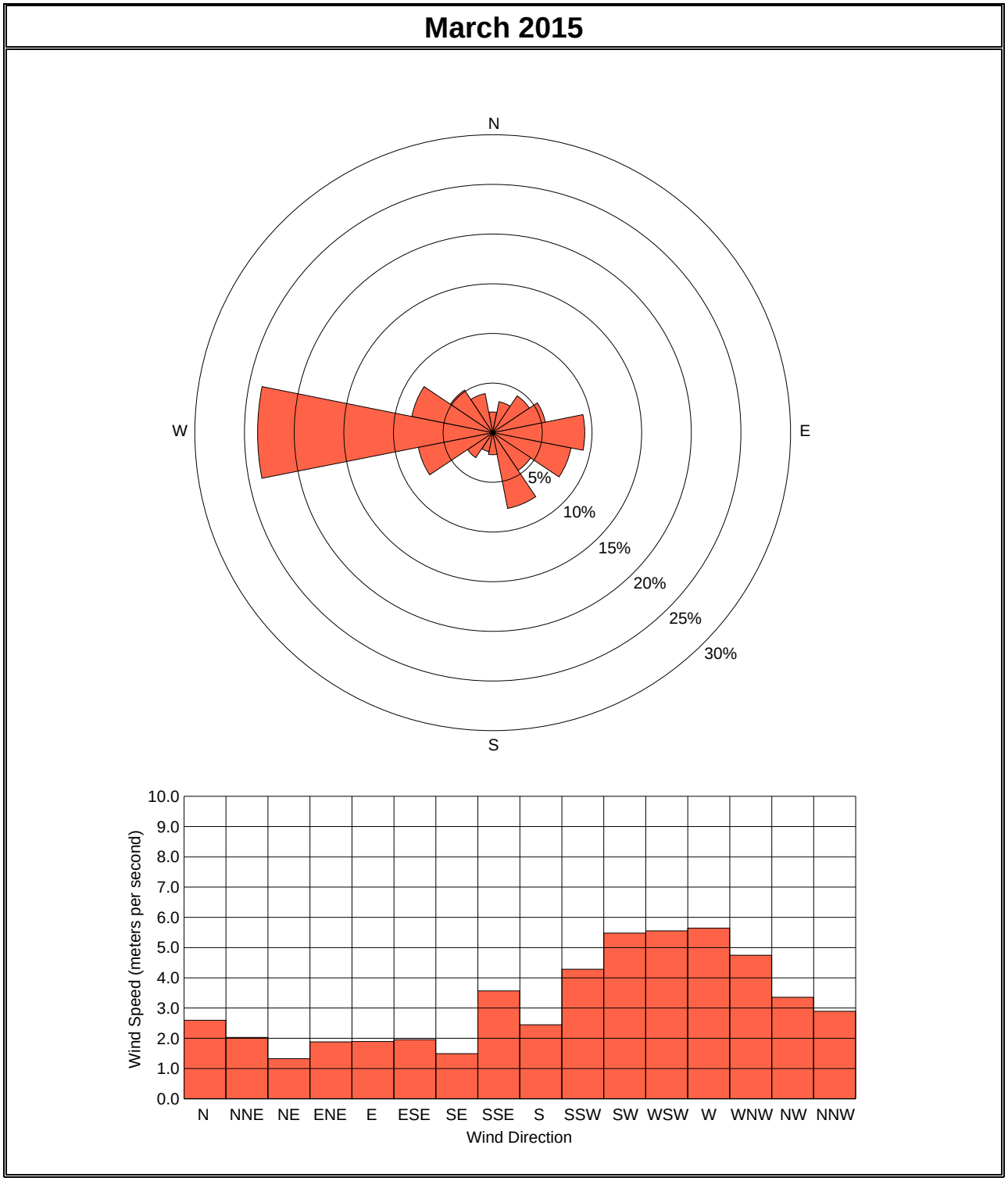
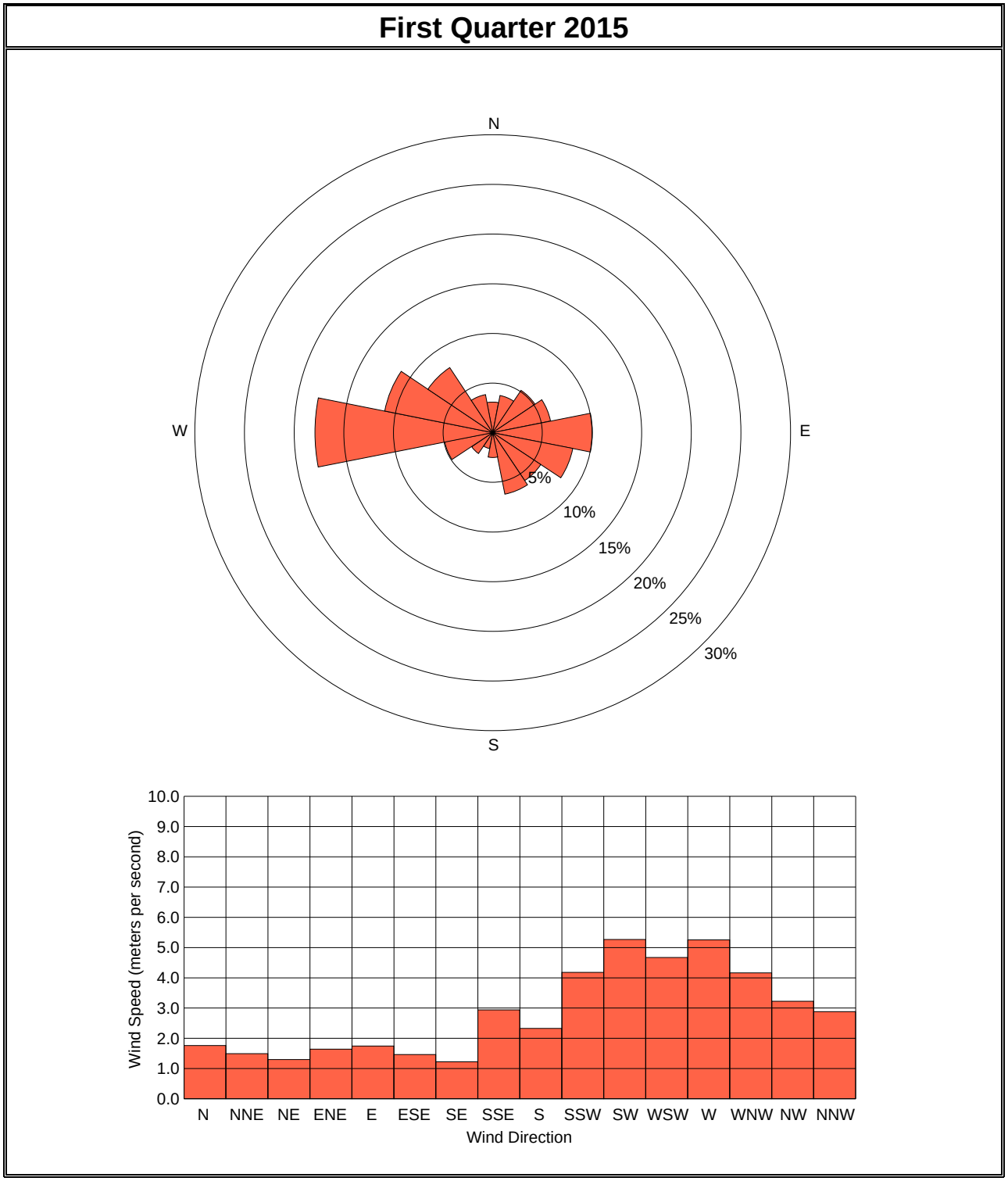


Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower



APPENDIX A: HOURLY AIR QUALITY AND METEOROLOGICAL DATA, FIRST QUARTER 2015

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
January 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.9	0.9	0.8	1.0	1.0	1.0	0.9	1.0	0.9	1.3	0.9	0.5	0.9	0.6	0.9	0.7	1.1	2.2	1.9	2.3	1.6	1.5	2.0	1.8	1.2	2.3	0.5
2	1.1	1.2	1.1	1.4	0.9	0.8	0.9	0.8	0.8	0.8	1.3	1.1	3.2	2.9	7.0	5.9	4.7	6.9	5.5	4.5	6.2	6.2	6.6	7.3	3.3	7.3	0.8
3	7.9	6.5	4.9	6.9	6.3	5.0	2.6	2.2	0.8	0.8	0.9	1.1	0.5	0.9	0.9	0.7	1.8	4.3	3.2	2.9	3.1	2.4	1.9	2.5	3.0	7.9	0.5
4	2.0	1.9	2.7	2.0	1.1	2.0	1.8	1.4	0.9	0.6	0.6	1.8	2.7	2.7	1.6	0.7	0.5	1.7	1.1	0.6	0.5	0.9	1.3	1.2	1.4	2.7	0.5
5	1.6	1.9	1.5	1.1	1.3	2.0	4.7	5.3	4.9	8.4	9.0	6.8	5.5	3.6	2.5	1.9	1.8	1.3	1.1	0.7	0.9	0.6	0.5	1.0	2.9	9.0	0.5
6	3.2	1.2	5.8	6.4	5.2	4.3	7.0	8.5	6.5	5.5	6.8	6.1	5.0	4.6	3.9	3.4	4.3	3.4	5.7	3.8	4.1	5.2	6.7	6.7	5.1	8.5	1.2
7	6.3	5.3	5.8	5.3	2.9	2.4	1.6	0.8	0.9	0.7	0.6	0.6	0.6	0.8	1.2	1.6	1.2	1.7	1.5	2.4	1.7	1.3	0.9	0.5	2.0	6.3	0.5
8	0.8	0.9	2.3	1.3	1.2	1.9	6.1	7.4	6.3	6.9	7.7	4.3	5.7	5.6	4.6	4.3	5.1	5.4	3.7	1.2	1.1	1.0	1.0	1.0	3.6	7.7	0.8
9	1.0	1.0	0.6	0.6	0.6	0.8	0.7	0.5	0.6	0.6	0.5	0.5	0.6	0.6	0.5	0.8	0.7	0.7	0.6	0.8	0.7	1.3	1.1	1.3	0.7	1.3	0.5
10	1.3	1.5	1.0	0.9	0.6	0.4	0.5	0.4	0.4	0.3	0.3	0.5	0.9	0.9	1.1	0.9	0.7	0.9	1.8	2.5	1.2	1.7	0.9	1.7	1.0	2.5	0.3
11	4.2	3.6	3.1	2.1	3.1	3.3	2.9	2.7	2.0	1.6	0.4	0.5	0.8	0.7	2.0	2.9	1.1	1.0	0.9	1.1	1.0	1.0	1.4	1.3	1.9	4.2	0.4
12	1.3	1.3	0.9	1.0	0.7	0.6	0.5	0.3	0.4	0.3	0.4	0.3	0.3	0.4	0.6	0.5	0.5	0.3	0.4	0.8	0.8	1.1	0.7	0.8	0.6	1.3	0.3
13	0.4	0.5	0.4	0.4	0.3	0.4	0.5	0.6	0.4	0.4	0.5	0.4	0.3	0.5	0.9	0.6	0.5	1.4	1.3	1.6	0.8	0.9	0.9	0.8	0.7	1.6	0.3
14	0.7	0.4	0.6	0.4	0.5	0.5	0.5	0.4	0.3	0.5	0.3	0.4	0.6	0.6	1.5	0.9	1.2	1.8	1.7	2.8	2.2	1.6	1.6	1.3	1.0	2.8	0.3
15	1.1	0.9	0.5	0.7	0.7	0.7	0.5	0.5	0.3	0.4	0.3	0.4	0.5	1.0	0.9	1.0	0.9	1.2	1.6	1.6	1.4	1.0	1.1	1.0	0.8	1.6	0.3
16	0.9	1.0	0.9	0.8	1.5	1.5	2.2	1.6	1.5	2.6	5.4	4.7	4.6	6.2	9.1	6.4	10.0	8.0	8.8	9.2	10.7	11.0	6.8	3.5	5.0	11.0	0.8
17	4.3	2.3	1.7	5.6	4.7	4.5	3.2	3.5	3.9	2.6	1.3	1.1	1.0	1.9	3.6	2.7	3.3	2.3	3.7	2.0	1.7	2.6	1.4	2.9	2.8	5.6	1.0
18	5.0	1.4	1.9	2.2	2.8	2.9	2.5	1.9	1.3	2.5	2.5	3.9	8.3	12.0	14.7	11.5	10.3	9.9	7.1	7.5	9.3	8.0	7.5	6.4	6.0	14.7	1.3
19	5.6	5.9	9.1	8.7	7.6	7.7	5.9	5.6	3.7	4.5	6.9	6.8	7.2	6.5	5.9	6.7	5.0	4.6	4.2	4.6	5.6	2.9	0.8	1.5	5.6	9.1	0.8
20	1.7	1.2	2.0	3.2	2.6	1.1	3.1	3.9	3.2	2.2	2.4	3.1	4.0	3.4	3.5	4.8	2.5	2.5	0.8	1.3	1.4	1.7	2.8	1.9	2.5	4.8	0.8
21	0.7	0.5	0.6	0.4	0.3	0.4	0.3	0.5	0.6	0.5	0.3	0.5	1.1	0.7	0.8	0.5	0.6	1.1	1.7	1.3	0.7	0.9	0.8	0.9	0.7	1.7	0.3
22	0.7	0.5	1.1	0.9	0.9	0.7	0.7	0.7	0.8	0.7	0.7	1.3	3.7	4.3	2.9	1.5	1.5	1.4	2.0	1.8	1.6	1.8	2.4	2.1	1.5	4.3	0.5
23	2.1	1.4	1.9	2.4	2.1	2.1	1.5	1.4	1.2	1.8	1.0	1.4	3.9	4.0	4.4	3.1	1.4	1.1	1.7	2.3	3.1	2.2	2.4	2.8	2.2	4.4	1.0
24	2.2	2.5	4.4	7.3	4.0	4.2	5.2	6.9	7.5	7.1	6.1	5.1	7.4	7.5	7.8	6.7	5.2	4.0	2.8	2.5	1.1	1.4	1.5	1.8	4.7	7.8	1.1
25	2.8	2.9	2.0	1.6	3.3	6.4	5.5	9.5	6.4	6.7	7.9	9.4	6.5	5.4	3.6	4.5	5.3	4.2	3.1	3.5	3.4	2.3	2.6	3.4	4.7	9.5	1.6
26	3.7	2.9	4.0	2.9	2.5	1.9	1.8	1.0	1.1	0.9	1.1	0.7	0.9	1.0	1.5	1.8	1.2	1.3	2.5	2.9	3.4	2.7	2.3	2.1	2.0	4.0	0.7
27	1.9	2.2	1.7	1.9	1.4	1.4	1.3	1.3	1.0	1.7	0.9	0.5	0.6	1.1	0.7	1.3	1.2	1.2	2.4	2.3	1.6	0.8	0.7	1.0	1.3	2.4	0.5
28	1.2	0.8	1.3	2.0	1.7	1.9	2.3	1.4	2.3	0.8	0.8	4.3	5.1	4.6	3.8	4.2	4.7	3.4	1.4	1.3	1.1	1.0	1.0	1.2	2.2	5.1	0.8
29	1.9	1.6	2.0	1.8	1.5	0.9	0.6	0.8	0.6	0.4	0.5	0.4	0.3	0.6	0.8	0.7	1.2	1.8	2.1	1.5	1.4	1.4	1.4	1.2	1.1	2.1	0.3
30	0.8	1.1	0.7	0.9	0.7	0.7	0.8	0.7	0.9	1.1	0.9	0.9	1.0	1.0	2.0	2.5	1.4	2.4	2.4	2.3	1.8	1.9	1.3	1.5	1.3	2.5	0.7
31	1.5	1.3	1.1	0.9	1.2	1.1	0.9	1.1	1.1	2.9	6.7	7.8	8.9	8.1	8.1	3.8	3.6	2.3	3.2	2.3	2.7	0.9	0.8	1.2	3.1	8.9	0.8
Avg	2.3	1.9	2.2	2.4	2.1	2.1	2.2	2.4	2.0	2.2	2.4	2.5	3.0	3.1	3.3	2.9	2.7	2.8	2.6	2.5	2.5	2.3	2.1	2.1	2.4	5.3	0.7
Max	7.9	6.5	9.1	8.7	7.6	7.7	7.0	9.5	7.5	8.4	9.0	9.4	8.9	12.0	14.7	11.5	10.3	9.9	8.8	9.2	10.7	11.0	7.5	7.3	6.0	14.7	1.6
Min	0.4	0.4	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.5	0.5	0.3	0.4	0.6	0.5	0.6	0.5	0.5	0.6	1.3	0.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
February 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.4	3.3	2.7	2.7	1.9	0.9	0.6	1.0	0.8	0.9	0.6	0.7	1.2	1.5	1.2	1.3	1.8	0.9	0.7	0.8	1.1	0.7	0.5	0.5	1.2	3.3	0.5
2	2.0	2.2	6.1	7.5	6.9	7.5	6.3	5.8	5.1	3.2	5.8	6.1	3.8	2.8	1.8	1.8	3.8	4.2	6.3	2.4	3.2	1.4	0.7	4.6	4.2	7.5	0.7
3	7.7	7.8	7.1	7.6	8.3	8.0	6.6	4.9	5.7	7.1	6.3	7.5	6.1	6.9	5.3	5.0	3.3	3.2	3.5	4.5	1.4	1.8	2.1	1.8	5.4	8.3	1.4
4	1.0	0.7	0.6	0.9	0.9	0.6	0.9	0.6	0.7	1.0	0.5	0.4	0.6	1.0	0.8	1.1	1.3	1.0	1.3	1.4	1.7	1.9	0.9	1.9	1.0	1.9	0.4
5	1.3	1.2	1.1	1.3	0.7	0.9	1.4	1.6	3.9	4.1	4.4	3.9	6.6	7.9	4.0	2.7	1.3	3.8	2.6	1.4	3.6	6.0	5.1	3.0	3.1	7.9	0.7
6	2.3	2.4	1.9	2.8	5.3	4.1	5.5	8.0	7.6	8.7	9.4	10.5	6.2	9.0	7.3	9.4	9.4	4.8	4.2	10.9	10.2	8.8	5.4	8.2	6.8	10.9	1.9
7	9.6	7.8	6.0	4.9	5.8	3.0	4.3	6.5	6.3	6.0	7.1	8.1	5.2	5.4	6.1	10.3	6.7	5.5	6.9	8.3	6.6	6.2	5.2	5.4	6.4	10.3	3.0
8	2.1	3.2	4.1	5.2	5.6	2.9	1.9	3.5	4.4	6.3	7.1	6.8	6.2	5.3	4.2	2.7	2.9	1.6	2.6	3.0	2.2	1.4	1.2	2.2	3.7	7.1	1.2
9	1.9	2.5	3.5	2.7	2.3	2.7	1.9	2.1	1.4	1.5	3.1	2.0	0.7	1.3	0.7	1.0	1.4	2.6	2.7	1.0	3.6	5.7	3.6	5.4	2.4	5.7	0.7
10	4.9	4.6	4.2	4.4	4.6	3.9	3.8	3.4	4.0	3.6	5.1	5.5	4.8	5.7	3.9	1.9	1.5	0.7	1.0	1.7	1.2	0.9	0.6	0.8	3.2	5.7	0.6
11	0.6	0.7	1.0	0.7	0.7	0.4	0.5	0.5	0.6	0.6	0.5	2.1	2.5	3.9	4.1	3.2	2.4	1.1	1.5	2.1	1.4	0.9	1.0	1.3	1.4	4.1	0.4
12	1.4	1.4	1.2	2.1	1.7	1.6	1.6	2.0	1.4	3.3	4.3	6.2	7.2	5.3	5.0	6.0	4.2	3.9	1.2	2.6	2.4	6.1	1.6	2.2	3.2	7.2	1.2
13	2.4	3.1	1.7	1.9	1.6	1.3	1.3	1.1	1.4	0.7	1.0	1.9	3.8	3.7	4.6	4.4	1.6	1.1	2.4	2.4	2.0	1.9	2.6	1.3	2.1	4.6	0.7
14	1.7	1.6	1.4	1.3	1.2	0.9	1.8	1.4	0.9	2.1	3.5	3.3	6.0	6.9	5.9	5.3	4.9	3.1	2.6	3.2	3.7	3.9	3.3	2.1	3.0	6.9	0.9
15	3.7	3.1	2.3	2.2	2.8	2.9	1.6	1.2	0.9	0.9	1.2	0.8	1.5	3.5	2.0	1.5	1.4	0.7	1.2	1.1	0.8	0.8	1.0	1.7	1.7	3.7	0.7
16	1.4	2.1	4.6	3.4	2.4	2.2	1.9	2.1	2.3	3.5	5.0	4.9	6.3	6.3	7.7	6.6	6.2	4.5	4.4	3.6	3.9	3.7	2.5	2.3	3.9	7.7	1.4
17	2.2	2.8	4.3	4.5	4.5	3.1	1.7	1.0	1.8	1.6	0.9	4.5	5.4	6.1	5.5	4.0	2.4	1.6	1.1	1.0	1.4	2.8	3.1	2.3	2.9	6.1	0.9
18	2.2	1.2	1.2	0.9	0.9	0.8	0.7	0.5	0.5	0.8	1.3	1.3	3.0	4.5	2.6	1.9	3.8	2.8	1.8	3.7	3.1	2.2	2.0	1.5	1.9	4.5	0.5
19	4.1	2.1	1.7	2.0	1.8	2.2	2.3	1.9	1.0	2.4	6.7	4.6	6.0	7.3	6.8	6.0	6.0	4.9	2.3	1.0	1.6	1.2	1.1	3.1	3.3	7.3	1.0
20	3.2	1.6	2.6	2.9	4.1	3.8	4.7	3.7	5.5	5.4	3.6	4.3	5.7	5.2	5.1	5.3	4.5	1.8	1.5	3.1	5.2	3.8	3.7	5.8	4.0	5.8	1.5
21	6.4	6.4	5.1	4.9	3.8	5.6	4.7	2.7	2.3	3.2	2.3	1.9	6.3	8.7	8.2	8.2	7.3	4.7	7.7	6.7	2.2	1.6	1.7	1.8	4.8	8.7	1.6
22	2.1	1.9	1.2	1.5	1.4	1.3	0.6	0.5	0.6	0.7	0.7	0.8	2.2	3.1	1.8	1.8	2.0	2.1	1.7	2.7	3.0	1.8	1.4	1.4	1.6	3.1	0.5
23	1.2	0.5	0.5	0.8	1.3	0.8	0.8	1.1	0.8	0.8	2.2	4.0	3.4	2.1	2.8	2.8	3.0	2.8	0.8	0.8	1.0	2.4	1.5	1.2	1.6	4.0	0.5
24	1.0	1.3	1.4	1.5	1.6	1.2	1.2	0.9	1.1	1.2	2.6	4.5	6.0	6.3	6.2	4.1	2.6	2.0	2.7	3.0	6.3	5.1	4.6	3.0	3.0	6.3	0.9
25	3.8	5.7	5.5	4.6	4.5	5.0	4.9	3.9	5.7	4.6	4.1	7.1	6.5	5.1	5.3	4.8	5.0	3.4	1.6	1.8	1.2	1.6	1.4	0.7	4.1	7.1	0.7
26	1.4	2.0	1.5	0.9	0.9	1.5	3.9	4.8	4.6	4.5	3.2	3.1	4.3	4.5	5.6	7.0	7.1	7.0	4.3	1.1	2.0	1.4	1.3	1.4	3.3	7.1	0.9
27	1.7	1.5	0.7	0.9	0.5	0.5	0.6	0.6	0.6	0.6	1.0	3.0	3.3	6.6	5.4	5.9	4.3	4.6	2.6	2.1	1.5	1.7	1.9	3.0	2.3	6.6	0.5
28	2.4	1.9	1.4	1.4	1.1	1.4	1.4	0.9	0.8	0.7	2.6	6.1	6.1	5.9	5.4	5.9	5.3	3.8	2.2	1.5	2.4	2.3	1.7	1.2	2.7	6.1	0.7
Avg	2.8	2.7	2.7	2.8	2.8	2.5	2.5	2.4	2.6	2.9	3.4	4.1	4.5	5.1	4.5	4.4	3.8	3.0	2.7	2.8	2.9	2.9	2.2	2.5	3.1	6.3	0.9
Max	9.6	7.8	7.1	7.6	8.3	8.0	6.6	8.0	7.6	8.7	9.4	10.5	7.2	9.0	8.2	10.3	9.4	7.0	7.7	10.9	10.2	8.8	5.4	8.2	6.8	10.9	3.0
Min	0.6	0.5	0.5	0.7	0.5	0.4	0.5	0.5	0.5	0.6	0.5	0.4	0.6	1.0	0.7	1.0	1.3	0.7	0.7	0.8	0.8	0.7	0.5	0.5	1.0	1.9	0.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
March 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.9	0.7	0.9	0.8	0.8	1.8	1.7	0.4	0.2	0.5	0.9	1.2	1.6	1.6	1.5	1.6	4.0	2.7	2.2	3.4	4.0	3.7	2.3	2.0	1.7	4.0	0.2
2	1.5	1.6	1.8	1.7	1.1	1.3	1.3	1.1	0.6	0.9	2.7	4.5	4.3	4.0	4.7	6.3	8.4	12.6	8.0	3.4	3.9	5.0	4.7	4.5	3.7	12.6	0.6
3	5.7	5.4	5.5	5.1	5.4	4.7	3.7	2.7	1.4	2.7	2.5	2.8	3.4	3.8	5.2	6.9	7.4	7.2	5.6	1.9	2.0	1.0	1.3	1.5	4.0	7.4	1.0
4	1.4	1.9	0.8	0.6	1.2	0.5	0.2	0.3	0.5	0.6	1.0	2.7	3.5	4.5	5.2	4.2	4.7	2.4	1.7	0.7	1.9	1.6	0.8	0.8	1.8	5.2	0.2
5	0.8	0.7	0.8	0.6	0.8	1.5	0.9	0.8	0.6	0.8	1.4	5.6	7.5	6.4	6.1	5.9	6.7	5.6	3.1	1.7	1.8	2.3	1.9	2.6	2.8	7.5	0.6
6	2.7	1.9	2.2	2.1	2.1	2.7	3.2	3.0	2.5	3.8	6.2	7.5	8.8	8.6	9.0	8.2	8.2	6.0	5.9	5.5	3.1	4.1	3.1	2.5	4.7	9.0	1.9
7	1.7	1.8	1.7	1.4	1.4	1.2	1.4	1.2	0.6	1.2	4.5	5.6	7.5	8.2	5.6	5.9	5.2	3.4	2.5	1.2	1.3	1.5	1.6	2.2	2.9	8.2	0.6
8	1.3	1.6	1.2	1.0	0.7	0.9	1.4	1.2	0.5	1.0	5.5	6.8	6.7	7.5	6.3	6.0	5.8	6.0	3.2	3.5	5.6	2.4	2.7	2.4	3.4	7.5	0.5
9	1.3	1.4	1.3	1.4	1.2	1.5	1.5	1.4	1.2	1.1	3.8	4.9	5.7	6.1	5.9	5.2	8.1	5.2	2.7	1.7	2.7	2.4	2.6	1.7	3.0	8.1	1.1
10	1.5	1.6	1.7	1.1	0.8	1.7	1.8	1.6	0.8	0.6	1.5	5.3	5.9	7.1	6.0	5.5	4.7	2.4	1.9	4.4	3.8	2.8	2.3	1.6	2.8	7.1	0.6
11	1.7	2.1	1.4	1.1	1.3	0.8	1.1	1.3	1.3	1.3	Au	Au	Au	Au	Au	Au	3.0	2.3	1.1	1.7	1.5	1.6	1.0	1.9	1.5	3.0	0.8
12	3.5	2.0	1.3	1.6	1.6	1.1	1.5	1.0	1.1	1.3	4.4	8.0	8.5	7.5	7.9	8.7	7.4	5.8	3.6	1.5	2.2	2.1	2.4	2.1	3.7	8.7	1.0
13	1.7	1.3	1.7	2.2	2.1	1.5	1.0	0.8	0.9	0.8	1.0	1.5	1.5	1.3	2.0	2.7	2.1	1.0	2.8	3.5	2.4	2.7	2.9	2.7	1.8	3.5	0.8
14	1.7	1.4	1.1	2.6	3.4	4.5	3.8	4.4	3.3	5.8	6.7	7.4	5.0	7.3	9.5	10.7	9.5	9.5	9.4	8.1	7.7	6.5	6.2	7.0	5.9	10.7	1.1
15	5.4	6.6	5.3	2.2	1.4	1.1	1.3	2.2	1.5	4.8	3.8	7.7	6.8	4.4	4.5	5.7	7.2	5.4	4.2	2.9	7.7	8.3	5.6	4.2	4.6	8.3	1.1
16	1.7	4.7	6.8	5.7	5.7	5.2	3.7	2.6	3.1	4.5	4.7	4.3	5.2	5.8	3.9	5.5	7.4	8.1	7.4	6.6	6.3	3.8	6.1	6.9	5.2	8.1	1.7
17	6.9	6.4	6.1	6.5	7.2	6.5	4.4	3.8	6.7	6.2	6.2	5.7	3.9	3.4	2.5	2.4	1.7	1.7	2.3	1.4	1.1	2.0	1.4	0.6	4.0	7.2	0.6
18	0.6	0.6	0.6	0.8	1.3	3.3	3.7	3.6	3.7	5.6	6.5	7.7	7.6	8.1	9.1	6.0	4.6	2.6	1.1	4.8	4.6	3.0	4.6	2.6	4.0	9.1	0.6
19	1.7	1.9	1.0	1.7	1.3	0.7	1.2	0.9	1.9	5.4	5.1	5.0	4.7	5.4	6.6	6.7	6.2	2.5	1.1	2.0	2.0	4.5	4.1	3.6	3.2	6.7	0.7
20	4.0	2.6	3.3	2.9	2.4	2.8	1.5	2.0	3.0	5.0	5.0	5.0	5.7	4.6	4.8	6.3	2.9	1.5	4.5	3.7	3.9	1.9	2.4	1.9	3.5	6.3	1.5
21	1.6	1.3	1.3	1.0	1.3	1.8	1.0	1.5	0.8	0.7	2.2	5.2	8.3	8.5	7.5	7.4	5.7	6.9	7.3	6.5	3.0	2.8	3.6	6.2	3.9	8.5	0.7
22	5.6	3.8	1.1	3.8	2.2	1.9	1.8	1.6	5.2	5.3	5.0	4.7	6.1	5.5	5.9	6.6	5.0	3.5	2.3	1.6	1.7	2.6	2.9	1.7	3.6	6.6	1.1
23	1.1	1.4	1.9	2.3	3.0	2.1	2.2	1.3	1.2	2.6	3.7	4.6	4.5	6.4	3.9	6.5	2.6	0.8	0.7	1.0	ND	ND	ND	ND	2.7	6.5	0.7
24	ND	ND	ND	ND	ND	ND	ND	0.3	2.0	1.8	3.0	3.4	4.4	4.1	4.2	5.1	5.7	4.4	4.2	3.2	3.7	3.1	3.3	2.1	3.4	5.7	0.3
25	1.1	2.4	2.3	0.9	1.0	1.7	0.9	1.0	3.8	6.1	7.1	7.3	6.7	7.9	8.2	8.8	9.2	6.1	2.6	4.5	5.7	6.1	5.0	4.1	4.6	9.2	0.9
26	4.6	3.5	1.6	2.5	1.6	1.4	1.1	1.0	0.9	3.5	6.3	7.8	8.6	9.3	8.3	8.3	7.9	7.5	7.5	4.3	1.4	2.5	2.4	2.0	4.4	9.3	0.9
27	1.7	2.0	1.6	1.8	1.4	0.8	1.1	0.9	0.9	3.6	6.4	7.5	6.5	7.3	6.7	6.4	7.4	7.3	3.3	2.8	3.8	2.5	1.9	2.4	3.7	7.5	0.8
28	1.7	1.7	1.3	0.9	1.0	0.9	1.8	2.0	8.3	9.0	10.7	10.6	10.5	13.4	13.8	13.6	13.8	11.9	12.0	8.7	4.2	1.1	2.5	1.4	6.5	13.8	0.9
29	2.2	1.7	1.3	1.2	1.3	0.9	1.6	1.4	4.8	3.7	4.5	6.5	6.4	6.5	9.5	10.0	8.5	9.0	9.3	5.9	5.8	5.7	6.0	4.8	4.9	10.0	0.9
30	6.5	5.0	2.5	1.2	3.0	3.4	1.9	1.3	1.7	5.3	5.6	5.7	5.8	6.4	6.3	5.7	4.2	4.0	2.2	3.7	3.9	3.3	2.9	1.8	3.9	6.5	1.2
31	1.9	1.5	1.2	1.1	2.3	2.2	2.2	1.3	1.3	3.9	3.9	6.0	5.8	6.6	9.3	7.6	6.0	5.6	4.4	4.0	7.9	7.0	6.7	5.9	4.4	9.3	1.1
Avg	2.5	2.4	2.1	2.0	2.0	2.1	1.9	1.6	2.1	3.2	4.4	5.6	5.9	6.3	6.3	6.5	6.2	5.2	4.2	3.5	3.7	3.3	3.2	2.9	3.7	7.8	0.9
Max	6.9	6.6	6.8	6.5	7.2	6.5	4.4	4.4	8.3	9.0	10.7	10.6	10.5	13.4	13.8	13.6	13.8	12.6	12.0	8.7	7.9	8.3	6.7	7.0	6.5	13.8	1.9
Min	0.6	0.6	0.6	0.6	0.7	0.5	0.2	0.3	0.2	0.5	0.9	1.2	1.5	1.3	1.5	1.6	1.7	0.8	0.7	0.7	1.1	1.0	0.8	0.6	1.5	3.0	0.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
January 2015

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	308	83	330	344	36	353	356	75	313	115	217	231	70	276	2	313	83	55	36	48	32	23	34	19	17
2	354	24	54	86	94	79	93	355	161	59	97	83	308	315	269	277	289	266	291	296	280	284	296	307	339
3	320	315	275	289	303	308	260	265	304	150	194	3	348	299	319	86	307	310	297	275	262	264	291	294	295
4	293	298	298	285	304	303	312	305	312	328	335	322	317	319	316	329	314	159	182	23	188	171	153	144	300
5	150	137	139	302	24	243	276	282	292	277	284	290	299	302	304	259	249	184	193	279	144	34	18	32	277
6	310	298	279	274	267	271	272	284	286	287	290	298	258	264	288	300	288	250	170	174	168	174	164	162	261
7	161	159	160	156	150	153	138	88	128	171	128	172	112	161	338	131	32	115	230	244	177	82	46	22	138
8	13	8	72	80	135	342	292	322	337	316	336	342	292	292	290	278	273	269	260	95	74	93	62	17	342
9	157	133	132	58	112	106	85	110	128	136	141	188	159	134	125	137	161	251	142	142	208	89	77	79	130
10	96	117	85	69	93	83	137	79	121	180	108	127	253	86	112	304	264	71	128	5	39	22	8	220	93
11	294	296	304	313	303	288	285	265	274	304	9	83	68	6	307	315	272	305	167	165	75	132	147	139	302
12	154	180	110	123	86	124	18	112	108	338	132	183	303	134	122	282	45	299	105	142	118	114	116	162	121
13	120	109	153	349	22	6	96	84	349	78	115	171	187	97	57	303	350	76	52	6	358	23	49	51	57
14	88	79	111	80	116	111	128	118	12	115	353	160	45	4	285	163	107	89	37	61	26	41	50	70	77
15	73	105	141	111	139	151	146	120	220	155	156	174	348	288	118	99	36	110	81	108	71	89	108	156	119
16	140	126	187	148	107	105	63	117	85	200	203	226	256	267	253	271	281	277	279	275	280	279	275	256	228
17	264	239	321	297	318	309	88	104	77	68	90	44	334	202	165	156	108	175	187	171	111	141	128	257	143
18	223	152	121	110	92	82	82	124	148	171	126	181	260	279	283	279	270	274	255	252	272	270	273	277	219
19	273	266	273	275	266	262	271	301	292	291	281	271	265	263	270	255	260	258	265	270	281	312	342	49	278
20	51	31	2	308	311	315	301	288	285	273	290	301	276	271	299	305	274	300	8	115	97	85	87	84	322
21	115	122	110	5	33	91	110	155	129	151	107	127	142	39	356	287	263	83	106	122	154	122	102	137	110
22	164	94	158	33	53	94	97	103	133	318	105	7	287	293	274	341	303	53	90	300	299	51	89	98	55
23	60	76	101	44	78	65	81	60	24	102	135	38	287	271	294	288	263	255	74	89	97	100	74	72	66
24	79	190	258	265	265	272	268	267	258	270	272	270	267	264	263	265	272	304	332	36	262	30	125	47	276
25	334	328	321	182	1	295	301	290	298	298	297	287	304	301	310	291	300	309	321	310	324	54	79	85	314
26	95	89	81	75	49	31	107	23	133	48	160	85	289	27	71	201	229	126	84	64	81	82	66	85	81
27	67	74	66	127	142	160	120	125	98	97	62	357	111	134	19	121	135	126	103	93	144	118	352	62	100
28	114	104	129	69	35	338	348	65	98	106	345	254	259	284	294	305	23	24	26	51	120	146	125	49	49
29	117	114	104	60	74	106	84	154	111	228	312	256	214	351	27	341	100	79	78	72	96	82	118	116	92
30	69	113	33	89	51	42	43	61	2	88	132	100	39	359	309	309	264	108	59	95	54	85	41	102	60
31	45	68	80	351	106	76	79	28	91	311	315	315	305	295	304	291	263	246	306	291	312	251	286	303	326
Prev	85	101	100	41	59	43	67	74	64	153	127	249	290	299	310	286	287	263	85	69	97	82	71	77	45

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
February 2015

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	45	86	76	94	87	104	86	226	94	152	190	31	111	98	36	40	21	55	120	95	82	28	342	248	79
2	76	39	272	268	269	271	271	278	292	258	250	267	301	312	72	109	190	202	227	286	239	292	126	277	266
3	267	268	267	261	267	273	278	265	272	269	278	280	287	287	277	279	299	283	263	287	151	216	266	296	271
4	300	131	77	266	163	49	189	202	112	127	344	61	334	359	23	322	345	157	136	72	94	72	67	34	68
5	17	105	116	138	85	41	138	27	101	104	100	105	218	244	316	302	279	89	161	125	172	213	207	205	130
6	156	142	122	169	201	198	213	218	223	224	222	232	205	214	221	221	204	153	159	219	217	208	199	212	200
7	221	223	219	214	163	170	154	162	167	170	188	174	217	225	276	281	261	259	260	278	264	287	270	281	225
8	303	250	269	264	283	280	277	289	269	275	270	268	270	263	274	287	296	114	107	98	101	97	143	98	267
9	145	129	110	126	113	85	141	154	144	298	317	85	54	14	332	26	274	236	183	88	280	283	269	274	124
10	265	262	270	262	272	290	297	296	287	281	294	290	295	327	326	318	321	275	172	97	119	148	329	86	289
11	255	136	126	41	95	90	115	135	105	12	61	290	272	266	270	277	252	269	94	98	93	73	112	79	99
12	95	101	90	105	111	108	120	35	14	322	278	266	268	268	271	267	263	271	57	88	32	309	169	88	43
13	100	70	69	61	69	53	68	69	82	36	39	301	282	290	275	265	246	154	100	94	104	83	84	77	68
14	72	111	149	84	145	45	134	133	203	134	304	287	277	297	297	306	358	3	344	325	310	312	324	317	334
15	297	304	344	326	315	291	265	161	109	324	318	303	98	320	265	324	321	69	52	121	52	5	124	352	338
16	26	268	336	329	306	289	303	314	271	277	262	277	264	290	303	320	313	299	300	272	268	264	260	296	293
17	323	311	305	320	324	316	319	302	321	332	27	287	289	292	294	298	288	297	280	320	301	68	84	95	316
18	59	14	119	71	276	104	272	44	150	359	46	16	268	267	288	297	297	303	306	80	81	63	83	352	10
19	270	246	75	25	109	129	37	64	41	304	276	247	246	259	268	276	300	297	284	17	97	315	319	275	306
20	327	316	299	296	279	297	308	301	292	292	284	278	318	305	331	267	267	276	314	10	349	349	355	321	307
21	343	6	4	343	340	319	317	320	343	313	283	295	333	336	339	338	333	326	327	343	339	116	325	115	335
22	76	15	35	97	31	140	37	332	87	28	155	342	302	257	272	252	287	282	124	90	82	55	65	55	40
23	122	353	42	57	131	119	137	131	103	78	315	263	282	317	274	266	318	332	5	352	22	85	82	150	38
24	122	2	63	35	49	37	126	164	160	68	301	272	286	285	282	279	307	307	31	17	288	290	300	317	332
25	302	299	295	319	325	310	304	292	315	314	315	302	302	302	284	271	278	264	263	251	263	269	301	281	293
26	297	267	304	305	239	214	160	156	149	157	155	153	154	159	158	155	151	154	156	114	92	88	99	77	156
27	50	53	356	122	93	122	143	62	131	23	353	277	279	261	244	253	253	309	352	345	334	120	122	85	29
28	78	87	76	24	50	46	77	40	142	139	261	255	255	251	241	258	277	263	252	242	96	82	53	78	74
Prev	12	14	38	13	58	52	172	265	134	323	293	283	277	284	289	287	288	278	248	45	58	33	52	10	306

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
March 2015

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	124	43	92	9	347	84	66	106	68	37	5	344	14	15	330	12	177	151	116	109	106	104	123	147	69
2	152	132	132	100	19	64	68	53	143	299	307	317	357	4	345	8	7	14	14	293	313	320	327	335	7
3	335	332	341	336	333	357	339	327	290	268	270	245	260	270	261	289	303	319	334	329	276	317	120	65	310
4	81	94	25	90	132	19	68	102	62	56	36	274	275	266	282	275	275	282	313	118	103	112	90	97	59
5	108	87	21	34	69	122	87	90	2	341	21	263	268	274	265	280	273	282	271	231	131	112	110	102	34
6	110	118	74	56	95	75	53	62	34	319	267	277	274	280	285	285	286	280	283	301	21	75	81	81	7
7	83	58	60	52	41	35	38	66	40	358	286	276	287	324	307	305	321	303	282	339	94	127	80	84	14
8	23	95	145	130	80	28	79	77	318	58	271	258	261	268	263	263	270	276	266	276	269	199	99	70	286
9	106	86	53	92	118	127	61	42	19	54	279	285	284	275	275	268	275	275	280	122	111	79	81	105	59
10	54	32	72	151	150	95	87	55	317	10	26	260	266	261	259	269	290	265	168	95	80	75	122	160	79
11	103	147	150	172	166	152	171	89	124	132	Au	Au	Au	Au	Au	Au	229	240	129	93	70	64	46	271	135
12	260	301	140	99	85	83	100	49	341	94	271	264	258	270	275	274	284	287	289	151	84	105	70	53	344
13	58	78	52	100	58	39	20	14	133	345	48	50	52	52	277	277	272	341	102	101	115	118	107	108	60
14	150	166	97	109	104	95	87	155	145	177	184	196	208	217	227	241	243	251	249	235	232	234	228	220	191
15	222	222	227	259	205	184	307	264	257	225	257	253	257	240	251	233	212	206	207	227	270	242	214	198	235
16	241	258	301	298	281	301	272	264	316	316	327	297	269	258	275	174	162	163	156	157	152	153	159	151	244
17	153	156	160	159	155	159	156	163	163	164	166	165	164	160	158	164	156	156	147	139	150	297	257	286	165
18	176	153	99	172	112	269	257	266	270	258	249	258	266	263	262	304	295	307	305	273	273	280	280	294	263
19	313	316	346	328	209	257	126	99	310	261	255	253	251	255	256	272	278	274	206	122	88	285	271	272	268
20	268	263	293	339	348	306	140	148	289	290	249	243	242	246	243	259	263	219	83	69	76	115	66	100	262
21	108	73	103	105	105	104	133	144	108	92	155	244	248	244	269	282	268	279	292	291	283	282	317	291	227
22	280	272	50	286	267	291	8	134	257	255	259	267	260	277	279	278	286	230	205	132	104	77	127	115	259
23	137	174	166	159	152	140	128	129	121	159	163	227	273	270	325	287	343	214	25	86	107	113	180	288	162
24	284	125	152	306	272	240	213	277	317	279	272	250	272	267	259	262	264	323	308	271	279	287	277	279	271
25	241	277	305	182	260	316	292	80	272	259	254	249	254	245	270	266	275	267	242	260	261	273	272	280	265
26	282	294	293	304	11	349	330	326	26	296	265	262	254	265	268	272	274	263	260	262	27	109	92	86	298
27	100	58	86	47	38	352	79	156	49	302	278	262	265	258	267	269	271	284	309	124	87	102	89	82	23
28	59	132	169	171	128	119	120	6	209	222	272	279	280	261	272	265	279	281	288	311	343	28	325	67	272
29	87	93	112	119	190	129	91	61	272	260	280	261	262	257	266	274	272	275	262	264	272	272	266	282	256
30	287	302	323	337	105	81	93	118	33	259	257	253	262	255	258	272	278	278	244	89	75	77	88	102	297
31	93	126	150	169	104	117	122	154	68	166	202	184	168	206	227	263	270	239	119	291	286	275	265	271	188
Prev	117	108	90	98	103	76	84	90	358	288	269	259	264	264	269	273	272	268	261	196	85	102	109	102	262

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
January 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	61	77	86	57	73	45	79	93	68	68	101	77	80	76	56	65	39	43	30	36	51	47	39	38	62	101	30
2	39	50	59	55	86	80	93	99	98	88	86	99	49	31	12	21	27	8	20	17	9	24	11	11	49	99	8
3	9	14	20	10	7	10	27	13	41	77	73	64	61	46	73	71	52	10	11	20	12	16	10	7	31	77	7
4	9	11	12	19	22	10	7	12	20	34	21	10	7	5	7	17	45	21	30	90	66	18	15	25	22	90	5
5	19	16	66	65	55	77	17	12	17	10	10	8	7	16	23	22	14	27	19	54	55	94	49	53	34	94	7
6	19	75	10	12	11	14	10	10	9	10	10	15	20	13	11	7	16	89	6	9	10	9	6	5	17	89	5
7	5	7	6	7	24	22	12	82	60	63	70	65	78	79	94	71	84	74	86	95	91	63	74	42	56	95	5
8	64	35	62	67	87	52	20	8	9	16	8	12	9	7	7	14	19	15	79	59	56	54	42	69	36	87	7
9	64	44	59	76	65	55	60	72	54	73	63	66	45	83	96	77	70	76	80	62	93	81	82	63	69	96	44
10	59	53	62	67	49	62	87	70	70	97	83	84	97	79	80	71	87	87	78	27	35	35	90	76	70	97	27
11	9	7	9	12	18	13	21	27	25	14	90	87	84	50	17	5	42	46	42	44	52	51	20	20	34	90	5
12	18	52	42	39	76	81	98	85	72	98	58	89	82	56	61	62	83	98	96	43	60	47	93	66	69	98	18
13	98	89	77	86	87	64	83	63	55	82	62	76	71	83	63	60	92	36	32	39	44	44	59	51	67	98	32
14	69	58	59	69	54	69	70	87	78	63	98	62	79	66	46	53	29	31	49	40	37	47	50	46	59	98	29
15	65	38	61	68	53	61	70	58	100	66	71	61	90	56	71	62	82	74	52	69	73	58	54	38	65	100	38
16	65	79	86	71	79	86	76	71	55	85	14	46	23	16	12	16	15	11	12	9	9	8	8	8	40	86	8
17	9	40	62	20	31	17	55	20	24	49	64	97	75	93	68	21	23	40	12	48	29	34	53	73	44	97	9
18	14	75	39	25	14	27	17	55	61	27	67	37	14	10	7	10	9	11	12	9	10	12	21	15	25	75	7
19	16	12	10	9	11	8	13	17	12	15	9	12	13	10	11	14	13	10	7	8	11	17	47	32	14	47	7
20	36	65	47	10	16	46	54	12	9	15	21	8	21	11	21	20	19	42	85	64	71	37	12	29	32	85	8
21	70	71	76	80	59	65	77	93	89	71	64	64	34	79	64	93	59	21	35	52	66	61	65	84	66	93	21
22	79	93	73	75	60	57	56	56	55	89	79	77	26	19	21	76	71	53	35	73	69	47	34	47	59	93	19
23	62	60	29	32	25	39	41	44	71	41	61	65	21	20	18	26	26	89	30	39	29	77	51	57	44	89	18
24	51	78	18	14	16	19	12	10	9	10	11	10	8	7	7	6	9	11	54	20	44	56	37	51	24	78	6
25	26	22	25	102	58	11	11	11	10	9	9	8	9	8	17	14	18	11	18	15	20	102	21	33	25	102	8
26	12	22	30	39	45	34	45	71	57	92	91	88	57	88	82	84	60	71	29	45	50	42	37	56	55	92	12
27	42	45	47	39	45	18	53	61	59	96	93	72	81	33	68	76	52	51	19	23	33	69	75	88	56	96	18
28	47	45	49	27	54	37	67	90	30	54	79	15	8	11	20	17	12	17	50	88	42	29	61	54	42	90	8
29	24	18	12	29	45	42	76	27	54	56	92	47	71	35	44	27	66	25	25	41	42	58	52	62	45	92	12
30	65	57	52	63	92	77	57	69	61	66	24	69	76	26	15	12	77	19	28	26	39	38	42	42	50	92	12
31	43	68	46	57	82	73	55	45	79	25	9	9	11	9	7	21	18	26	16	24	17	81	51	36	38	82	7
Avg	41	48	45	45	48	44	49	50	49	54	55	52	45	39	39	39	43	40	38	42	43	47	44	44	45	90	14
Max	98	93	86	102	92	86	98	99	100	98	101	99	97	93	96	93	92	98	96	95	93	102	93	88	70	102	44
Min	5	7	6	7	7	8	7	8	9	9	8	8	7	5	7	5	9	8	6	8	9	8	6	5	14	47	5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
February 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	61	7	14	13	25	45	63	83	81	60	52	75	52	74	32	33	18	21	58	18	42	79	70	77	48	83	7
2	14	65	14	10	9	8	8	9	8	14	10	17	16	12	68	59	35	14	12	35	9	62	72	19	25	72	8
3	9	10	11	10	10	12	9	12	10	11	11	9	10	9	10	12	26	27	15	9	70	61	21	19	17	70	9
4	35	84	85	83	81	90	87	88	59	82	42	97	40	16	61	45	27	51	29	64	20	27	42	36	57	97	16
5	75	65	90	32	78	85	87	68	26	20	15	48	13	24	15	22	92	9	89	81	55	16	15	25	48	92	9
6	26	32	58	25	17	23	12	9	12	10	9	10	29	13	20	9	16	24	32	13	11	12	19	13	19	58	9
7	9	9	8	15	8	25	19	11	11	15	15	8	13	18	16	7	15	13	13	16	17	15	21	19	14	25	7
8	67	46	9	13	15	34	85	11	13	15	12	12	14	20	17	21	18	70	22	20	45	50	30	51	30	85	9
9	20	20	19	17	22	40	21	21	63	40	75	13	74	46	54	65	81	37	88	52	37	10	11	10	39	88	10
10	12	8	10	9	13	16	20	12	11	11	10	9	22	6	12	17	12	50	42	20	42	66	60	63	23	66	6
11	96	54	63	84	73	97	74	57	82	51	72	55	17	13	14	12	12	51	31	22	33	36	48	48	50	97	12
12	62	44	79	42	51	36	71	60	58	27	15	13	11	12	13	15	12	15	69	42	62	21	63	27	38	79	11
13	33	39	44	41	45	64	52	40	58	92	75	44	16	18	17	13	28	40	19	33	27	36	28	38	39	92	13
14	54	33	23	58	41	64	62	55	89	80	44	35	11	17	14	13	17	20	20	16	8	11	16	49	35	89	8
15	25	14	38	30	37	27	71	65	96	55	22	49	72	43	84	75	67	81	85	57	95	64	49	91	58	96	14
16	81	70	13	36	23	27	28	20	21	13	9	10	10	14	9	10	11	13	18	8	9	7	11	21	21	81	7
17	15	12	8	8	8	10	17	54	26	23	75	9	9	10	16	12	16	24	26	43	35	18	14	20	21	75	8
18	17	32	23	87	68	40	45	89	76	66	42	52	28	14	23	42	22	31	70	24	17	39	31	59	43	89	14
19	11	40	45	86	58	42	56	52	85	70	13	16	12	8	11	13	9	10	63	91	68	77	44	17	42	91	8
20	10	16	6	11	10	9	7	6	6	8	16	15	13	17	9	13	22	35	59	26	17	18	35	12	17	59	6
21	14	13	15	15	18	8	8	16	19	12	16	50	21	12	16	14	17	24	6	8	45	68	86	39	23	86	6
22	37	49	51	38	48	65	94	85	70	76	85	57	30	10	28	16	20	33	51	26	13	42	53	46	47	94	10
23	66	81	64	83	37	85	72	44	69	55	48	9	28	32	12	38	14	23	71	55	43	14	37	43	47	85	9
24	38	55	60	55	55	42	57	37	63	89	60	18	13	11	10	12	22	25	65	65	13	10	8	14	37	89	8
25	11	8	9	11	10	9	9	15	19	19	15	12	11	32	16	16	15	46	42	14	40	30	61	37	21	61	8
26	27	44	45	41	27	57	9	6	11	8	9	11	10	7	7	5	5	7	17	36	23	31	64	22	22	64	5
27	29	24	44	43	81	55	46	102	46	62	88	20	26	10	11	12	13	32	53	54	41	70	20	24	42	102	10
28	17	39	44	35	40	24	54	49	73	93	22	5	7	8	9	9	13	17	14	66	31	25	27	48	32	93	5
Avg	35	36	35	37	36	41	44	42	45	42	35	28	22	19	22	23	24	30	42	36	35	36	38	35	34	81	9
Max	96	84	90	87	81	97	94	102	96	93	88	97	74	74	84	75	92	81	89	91	95	79	86	91	58	102	16
Min	9	7	6	8	8	8	7	6	6	8	9	5	7	6	7	5	5	7	6	8	8	7	8	10	14	25	5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
March 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	61	94	67	66	22	44	25	55	53	45	76	11	16	37	43	12	37	21	19	14	14	16	20	13	37	94	11
2	38	40	41	45	30	51	65	68	60	80	70	21	24	22	30	15	12	9	41	39	30	27	21	16	37	80	9
3	13	12	19	16	12	20	27	26	31	16	16	16	19	16	15	14	11	7	11	60	41	75	38	42	24	75	7
4	23	23	63	76	32	74	59	38	91	72	51	28	17	16	13	16	15	23	40	88	14	15	60	33	41	91	13
5	40	60	76	77	67	77	54	73	93	82	71	13	11	11	10	13	11	9	17	58	25	21	22	23	42	93	9
6	24	38	24	51	46	30	34	21	64	75	12	11	9	9	9	10	9	8	11	12	44	11	25	32	26	75	8
7	38	27	41	24	33	40	38	43	87	73	14	10	16	9	12	12	11	23	18	53	79	23	28	20	32	87	9
8	19	46	38	50	52	48	54	46	97	63	20	12	15	15	16	12	15	13	19	17	22	79	31	27	34	97	12
9	34	36	25	57	71	59	64	75	57	54	25	13	15	15	13	15	16	15	44	36	42	40	34	43	37	75	13
10	52	30	61	29	51	56	45	59	86	51	42	12	15	12	14	14	11	36	96	11	12	25	31	15	36	96	11
11	38	21	28	34	64	67	64	58	46	92	Au	Au	Au	Au	Au	Au	12	31	49	29	43	40	81	77	49	92	12
12	28	52	93	70	43	44	50	74	80	75	58	14	12	13	12	9	12	10	10	57	43	28	31	44	40	93	9
13	57	37	40	35	45	47	41	66	68	78	28	39	28	36	94	15	26	45	37	11	18	22	24	24	40	94	11
14	24	28	71	46	15	13	11	31	18	22	14	12	20	15	10	12	10	8	9	13	9	10	9	7	18	71	7
15	10	8	10	47	48	61	50	30	34	13	15	11	11	11	10	12	10	11	10	19	14	14	15	14	20	61	8
16	29	25	9	8	12	10	22	18	9	12	8	19	21	11	17	54	8	7	6	6	8	13	10	9	15	54	6
17	7	9	8	8	7	7	9	11	7	8	7	8	8	7	9	11	16	13	6	34	29	35	55	30	15	55	6
18	72	38	79	74	82	38	18	15	18	13	10	10	12	13	10	17	10	14	60	24	10	15	9	13	28	82	9
19	40	57	67	32	50	63	54	45	80	17	19	17	22	22	17	14	17	29	42	31	71	17	20	25	36	80	14
20	39	58	31	41	32	21	64	27	78	15	20	16	14	20	28	18	20	21	13	18	18	24	20	26	28	78	13
21	19	40	49	45	52	50	49	24	89	72	47	29	16	12	12	12	12	10	12	11	28	29	48	9	32	89	9
22	10	24	87	23	26	55	85	67	13	13	22	26	21	22	22	19	16	37	26	43	51	66	78	47	37	87	10
23	72	36	17	13	11	15	22	24	32	17	23	20	32	18	45	60	69	75	90	84	43	65	29	55	40	90	11
24	25	46	93	83	21	84	65	88	25	52	27	30	32	21	23	20	32	10	22	12	16	14	10	14	36	93	10
25	46	25	30	29	42	13	57	89	21	13	12	13	17	12	14	17	14	17	18	18	9	11	10	13	23	89	9
26	10	15	43	21	30	45	45	25	37	49	17	14	12	14	13	14	12	12	10	18	68	35	32	46	27	68	10
27	29	41	34	33	52	60	63	91	81	54	17	18	18	15	22	19	19	10	58	36	17	19	37	33	37	91	10
28	53	37	25	74	87	101	60	94	15	34	15	10	13	15	12	13	11	11	14	12	23	78	39	59	38	101	10
29	44	61	71	85	66	101	30	38	27	20	20	15	21	21	16	13	11	11	11	16	15	15	12	12	31	101	11
30	12	17	20	76	30	23	47	53	65	19	19	20	20	22	17	17	17	15	56	10	13	20	22	33	28	76	10
31	35	24	51	36	29	25	24	34	82	26	16	18	12	20	17	25	19	33	52	61	10	14	10	12	29	82	10
Avg	34	36	46	45	41	47	45	49	53	43	27	17	17	17	20	17	17	19	30	31	28	30	29	28	32	84	10
Max	72	94	93	85	87	101	85	94	97	92	76	39	32	37	94	60	69	75	96	88	79	79	81	77	49	101	14
Min	7	8	8	8	7	7	9	11	7	8	7	8	8	7	9	9	8	7	6	6	8	10	9	7	15	54	6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
January 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-18.5	-18.9	-19.4	-18.7	-18.9	-17.0	-17.4	-16.2	-16.5	-15.9	-15.1	-12.8	-10.5	-9.1	-8.2	-7.8	-8.6	-10.8	-12.3	-12.9	-14.0	-14.3	-13.8	-14.7	-14.3	-7.8	-19.4
2	-14.7	-15.3	-16.5	-16.7	-16.8	-16.7	-17.0	-17.2	-17.3	-16.3	-11.7	-8.8	-3.0	-0.4	-0.4	-0.9	-0.8	-0.9	-1.7	-1.9	-2.1	-6.7	-9.8	-10.7	-9.3	-0.4	-17.3
3	-12.8	-14.6	-16.3	-17.6	-18.5	-19.1	-20.5	-20.7	-20.4	-19.9	-19.3	-18.2	-17.1	-16.6	-15.6	-15.0	-15.2	-16.5	-17.0	-17.7	-18.6	-19.4	-19.6	-19.9	-17.8	-12.8	-20.7
4	-20.1	-20.2	-20.5	-21.0	-21.1	-21.2	-21.4	-21.3	-21.0	-20.7	-20.2	-19.5	-19.4	-19.1	-18.8	-18.2	-17.8	-17.7	-17.5	-17.2	-16.8	-16.1	-15.2	-13.4	-19.0	-13.4	-21.4
5	-11.1	-8.5	-7.0	-5.6	-4.7	-3.6	-0.2	0.0	0.3	1.4	1.4	-0.6	-2.4	-2.9	-2.5	-2.7	-2.8	-3.1	-2.9	-3.0	-2.7	-2.5	-2.2	-0.4	-2.8	1.4	-11.1
6	1.7	1.8	3.6	3.7	3.3	3.3	3.6	4.2	4.5	4.7	4.9	3.4	-4.4	-8.5	-9.7	-10.6	-13.0	-13.5	-13.9	-13.6	-13.5	-13.8	-14.7	-15.3	-4.2	4.9	-15.3
7	-15.4	-15.0	-14.6	-14.4	-13.8	-13.9	-14.2	-15.0	-16.6	-16.7	-15.7	-13.6	-11.5	-9.3	-7.0	-4.8	-3.7	-3.5	-3.6	-4.5	-2.9	-5.2	-6.8	-7.3	-10.4	-2.9	-16.7
8	-9.2	-9.7	-8.8	-9.9	-8.8	-7.7	-3.9	-5.8	-8.5	-9.7	-11.3	-12.3	-13.8	-14.4	-14.3	-14.5	-14.8	-15.2	-16.9	-18.9	-21.7	-24.2	-26.1	-27.0	-13.6	-3.9	-27.0
9	-27.0	-28.1	-29.4	-30.1	-30.6	-31.1	-30.7	-30.8	-30.4	-29.1	-26.7	-23.2	-19.7	-16.0	-13.3	-11.7	-11.3	-11.8	-12.0	-12.3	-13.0	-12.7	-12.5	-12.2	-21.1	-11.3	-31.1
10	-12.2	-12.3	-12.6	-12.8	-13.4	-13.8	-14.3	-14.3	-14.1	-12.7	-11.3	-9.0	-7.1	-4.7	-1.6	-1.7	-1.1	-1.4	-0.8	0.3	-0.6	-0.3	-0.5	-0.2	-7.2	0.3	-14.3
11	0.2	0.1	0.0	-0.7	-1.4	-2.2	-3.8	-5.2	-6.0	-6.6	-6.7	-6.4	-5.3	-4.6	-4.4	-5.0	-5.4	-5.5	-5.6	-5.7	-6.1	-6.9	-8.1	-8.1	-4.6	0.2	-8.1
12	-8.3	-8.8	-10.4	-11.0	-12.6	-14.7	-16.1	-16.7	-18.1	-17.5	-15.3	-12.8	-11.0	-8.7	-7.1	-6.5	-6.2	-6.5	-7.1	-7.3	-7.4	-7.9	-9.8	-12.4	-10.8	-6.2	-18.1
13	-14.8	-16.1	-17.0	-18.3	-19.0	-19.5	-20.2	-20.4	-20.6	-19.9	-17.9	-15.8	-13.5	-10.8	-8.1	-8.4	-8.6	-10.7	-12.4	-13.1	-13.0	-14.6	-15.2	-16.1	-15.2	-8.1	-20.6
14	-16.1	-17.0	-17.1	-17.9	-18.3	-18.8	-19.2	-19.3	-19.5	-18.5	-16.8	-14.5	-11.2	-6.8	-5.1	-5.2	-5.9	-8.6	-10.0	-9.6	-9.8	-10.9	-12.0	-13.0	-13.4	-5.1	-19.5
15	-13.3	-13.7	-14.2	-14.2	-15.5	-15.0	-15.7	-15.1	-14.5	-13.6	-12.3	-9.4	-7.3	-4.7	-3.4	-2.7	-4.2	-6.2	-8.6	-10.0	-11.7	-11.7	-12.4	-12.1	-10.9	-2.7	-15.7
16	-13.0	-12.7	-11.1	-10.6	-8.4	-7.4	-6.9	-6.9	-4.9	0.5	2.7	2.9	2.8	2.9	2.7	2.5	2.0	1.1	0.4	-0.2	-0.2	-0.6	-1.5	-2.7	-2.8	2.9	-13.0
17	-3.0	-3.6	-4.1	-3.4	-4.6	-4.3	-6.6	-8.2	-10.5	-10.6	-9.5	-7.3	-5.1	-0.8	1.4	0.8	0.7	-0.2	0.3	-0.7	-0.8	-1.1	-0.4	0.0	-3.4	1.4	-10.6
18	0.9	0.2	0.2	0.8	0.8	1.2	2.1	1.7	1.6	1.9	3.1	5.3	6.1	5.2	4.3	3.1	2.3	1.8	1.0	0.6	1.1	1.0	0.7	0.6	2.0	6.1	0.2
19	0.3	0.2	0.2	0.0	-0.5	-1.0	-1.2	-1.5	-2.0	-1.5	-0.7	-0.2	0.0	-0.4	-0.4	-0.4	-0.6	-1.1	-2.0	-2.3	-2.9	-4.4	-5.9	-6.6	-1.5	0.3	-6.6
20	-6.3	-5.9	-5.2	-4.8	-4.9	-5.7	-5.3	-5.1	-5.3	-5.2	-4.9	-4.2	-3.6	-3.3	-3.3	-3.6	-4.6	-5.9	-6.2	-7.5	-8.4	-9.6	-9.0	-9.2	-5.7	-3.3	-9.6
21	-11.0	-13.1	-14.9	-16.7	-17.5	-18.5	-19.6	-19.8	-20.8	-20.3	-18.5	-16.0	-13.3	-10.7	-9.4	-8.6	-9.1	-11.1	-13.6	-14.6	-15.4	-16.8	-17.2	-17.3	-15.2	-8.6	-20.8
22	-18.2	-18.2	-17.9	-17.1	-16.2	-15.9	-16.4	-15.9	-16.8	-16.4	-14.2	-8.6	0.2	1.4	1.4	0.8	0.8	-0.3	-3.1	-2.2	-1.4	-2.0	-4.2	-6.7	-8.6	1.4	-18.2
23	-6.5	-4.5	-3.4	-5.5	-6.5	-7.3	-9.1	-10.9	-11.4	-9.3	-6.6	-3.9	0.9	1.8	1.8	1.6	1.2	0.2	-0.4	-4.3	-5.5	-5.8	-4.2	-2.7	-4.2	1.8	-11.4
24	0.0	2.4	3.8	4.1	4.1	3.9	4.1	4.2	3.8	4.2	4.3	5.0	5.2	4.7	4.6	4.1	4.1	3.8	3.1	2.0	1.0	-0.3	-1.0	0.9	3.2	5.2	-1.0
25	2.9	3.6	3.2	3.7	4.1	5.0	5.1	6.0	6.0	5.8	6.4	6.7	6.8	6.9	7.1	7.9	7.9	7.4	6.1	6.1	5.6	6.1	5.8	4.0	5.7	7.9	2.9
26	3.1	3.5	0.3	-0.7	-1.2	-1.6	-1.5	-2.6	-2.3	-1.5	-0.1	2.1	4.2	7.3	9.8	9.5	9.6	6.2	3.7	1.6	1.0	0.0	-1.1	-2.2	2.0	9.8	-2.6
27	-2.5	-2.8	-2.7	-2.7	-3.3	-2.8	-3.1	-3.2	-3.4	-2.5	-1.5	-0.3	2.6	4.4	5.3	6.6	5.8	3.6	1.1	-0.2	-1.6	-1.7	-1.8	-1.8	-0.4	6.6	-3.4
28	-2.4	-3.2	-3.0	1.0	2.3	1.7	0.8	1.0	-2.4	-3.5	-1.3	2.8	3.3	3.5	3.4	3.4	2.3	1.5	1.1	-0.1	-1.4	-2.5	-4.1	-4.9	-0.0	3.5	-4.9
29	-5.8	-7.6	-8.5	-9.3	-10.5	-11.3	-11.5	-12.1	-12.9	-11.2	-9.6	-7.0	-3.8	-0.3	2.4	2.4	1.3	-1.7	-3.7	-5.8	-7.2	-8.4	-9.1	-10.0	-6.7	2.4	-12.9
30	-10.8	-11.7	-11.8	-12.2	-13.3	-12.8	-13.3	-13.9	-13.7	-11.2	-8.1	-5.3	-2.1	2.0	2.8	2.8	2.2	-1.4	-3.8	-5.7	-7.1	-8.5	-10.0	-10.3	-7.4	2.8	-13.9
31	-12.0	-12.4	-12.4	-12.3	-11.7	-11.3	-11.3	-11.9	-11.9	-7.8	-5.0	-6.0	-7.8	-8.8	-10.2	-12.3	-13.1	-14.0	-14.2	-14.5	-14.6	-14.4	-14.2	-14.1	-11.6	-5.0	-14.6
Avg	-8.9	-9.1	-9.3	-9.4	-9.6	-9.6	-9.8	-10.1	-10.5	-9.7	-8.3	-6.7	-5.2	-3.9	-3.1	-3.1	-3.4	-4.6	-5.6	-6.3	-6.8	-7.6	-8.3	-8.6	-7.4	-1.1	-13.4
Max	3.1	3.6	3.8	4.1	4.1	5.0	5.1	6.0	6.0	5.8	6.4	6.7	6.8	7.3	9.8	9.5	9.6	7.4	6.1	6.1	5.6	6.1	5.8	4.0	5.7	9.8	2.9
Min	-27.0	-28.1	-29.4	-30.1	-30.6	-31.1	-30.7	-30.8	-30.4	-29.1	-26.7	-23.2	-19.7	-19.1	-18.8	-18.2	-17.8	-17.7	-17.5	-18.9	-21.7	-24.2	-26.1	-27.0	-21.1	-13.4	-31.1

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
February 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-15.0	-17.1	-18.9	-20.1	-21.1	-21.7	-22.1	-22.8	-22.6	-20.7	-18.3	-14.3	-8.0	-4.5	-3.7	-3.7	-4.9	-5.2	-5.4	-5.3	-5.3	-5.3	-5.4	-5.3	-12.4	-3.7	-22.8
2	-5.0	-4.1	-1.1	-0.8	-0.7	-0.4	-0.5	-0.7	-1.1	-0.7	0.2	0.8	1.1	1.1	1.0	1.3	2.5	2.6	1.9	1.4	1.0	0.5	0.4	2.1	0.1	2.6	-5.0
3	2.9	2.7	2.5	2.1	2.1	1.9	1.4	1.0	1.0	1.2	1.3	1.6	1.6	1.7	1.5	0.5	-1.8	-4.2	-9.4	-11.3	-11.2	-10.9	-11.8	-11.8	-1.9	2.9	-11.8
4	-11.7	-11.5	-11.3	-11.1	-11.3	-12.4	-13.4	-14.3	-14.3	-13.0	-11.0	-8.1	-6.4	-3.6	-2.5	-1.7	-1.4	-2.2	-2.8	-3.2	-2.9	-2.8	-3.0	-2.5	-7.4	-1.4	-14.3
5	-2.7	-2.6	-2.9	-3.2	-3.5	-3.5	-3.0	-2.6	-1.3	-0.3	0.7	3.9	7.9	7.1	5.2	5.4	4.9	3.2	1.1	1.3	4.5	7.5	7.9	7.4	1.8	7.9	-3.5
6	4.8	3.8	4.2	3.7	7.6	8.4	9.0	9.3	9.6	10.9	11.1	11.0	11.1	11.6	11.7	11.5	10.7	9.3	9.6	10.3	9.7	9.5	9.3	9.1	9.0	11.7	3.7
7	9.0	8.6	8.1	7.7	5.4	5.9	5.1	5.1	4.5	4.4	5.0	5.0	5.6	5.5	6.3	7.1	6.2	5.5	5.5	5.6	5.3	5.1	4.7	4.6	5.9	9.0	4.4
8	4.8	4.5	4.6	4.5	3.8	3.5	3.2	3.4	3.8	4.1	4.8	5.4	5.8	6.4	6.7	7.0	6.6	4.5	0.8	0.0	-0.7	-0.2	-0.9	-1.1	3.6	7.0	-1.1
9	-1.1	-1.2	-0.6	-1.4	-2.1	-1.4	-1.0	0.1	2.2	1.5	1.5	1.3	2.1	3.1	3.5	3.9	3.8	3.8	3.6	3.5	3.4	3.7	3.3	3.3	1.6	3.9	-2.1
10	2.9	2.1	2.0	1.9	1.7	1.7	1.6	1.4	1.3	1.5	1.6	1.5	1.8	1.7	1.7	1.9	2.0	1.5	0.4	-0.3	-1.4	-1.7	-2.2	-2.2	1.0	2.9	-2.2
11	-2.1	-2.5	-3.4	-4.9	-5.6	-6.4	-7.2	-7.3	-7.3	-5.3	-2.3	1.3	3.7	4.9	5.2	5.4	4.9	3.0	0.6	-1.2	-2.0	-2.5	-3.2	-2.7	-1.5	5.4	-7.3
12	-2.4	-0.5	-1.0	-1.4	-2.1	-2.4	-2.2	0.4	1.3	3.4	5.2	6.1	6.5	6.3	7.1	7.4	7.1	6.1	5.2	2.6	2.8	4.4	2.7	1.3	2.7	7.4	-2.4
13	-0.1	-0.3	-1.7	-2.2	-3.1	-3.7	-4.4	-4.8	-4.6	-2.8	1.4	6.6	8.1	8.9	9.6	9.8	9.5	7.6	3.0	1.3	0.8	0.1	0.0	-0.5	1.6	9.8	-4.8
14	-0.4	-1.2	-1.8	-2.3	-1.9	-1.8	-1.2	-0.8	-0.6	0.5	5.4	6.6	8.1	7.7	6.1	5.0	3.5	2.7	1.9	1.2	0.8	0.4	-0.4	-0.9	1.5	8.1	-2.3
15	-1.0	-1.5	-1.2	-1.4	-2.0	-3.0	-3.4	-4.3	-4.1	-3.0	-2.3	-1.1	-0.2	-1.2	-2.8	-2.1	-1.6	-2.8	-3.9	-4.7	-5.1	-5.9	-5.4	-5.2	-2.9	-0.2	-5.9
16	-4.8	-4.8	-4.9	-4.9	-4.9	-5.1	-5.1	-5.1	-5.4	-5.4	-5.1	-4.9	-4.6	-4.6	-4.1	-4.7	-4.4	-5.0	-5.8	-5.9	-5.8	-6.0	-7.0	-6.8	-5.2	-4.1	-7.0
17	-6.8	-6.6	-6.2	-6.4	-6.7	-6.8	-7.0	-7.5	-8.3	-7.9	-6.3	-4.7	-3.5	-2.5	-1.7	-1.4	-1.3	-1.3	-2.2	-3.3	-4.3	-5.7	-7.5	-9.3	-5.2	-1.3	-9.3
18	-9.8	-10.3	-10.1	-9.6	-9.0	-7.5	-7.2	-7.5	-7.1	-5.9	-0.4	1.6	3.1	3.5	3.9	4.7	5.3	4.8	3.7	1.1	-0.4	-0.6	1.3	3.5	-2.0	5.3	-10.3
19	4.6	3.2	2.2	1.5	0.0	-0.9	-0.1	0.3	1.0	1.8	3.1	3.3	3.6	3.5	3.8	3.7	3.3	2.3	1.1	0.0	-0.5	-0.1	-0.2	-0.4	1.7	4.6	-0.9
20	-1.7	-1.9	-1.6	-1.9	-1.8	-1.9	-2.0	-2.1	-2.3	-2.6	-1.9	-0.7	-0.5	0.1	-1.1	-0.9	-1.7	-2.3	-2.3	-2.1	-2.7	-3.2	-3.8	-4.3	-2.0	0.1	-4.3
21	-5.4	-7.2	-8.5	-9.6	-9.9	-10.4	-10.8	-10.9	-11.0	-10.7	-10.1	-9.6	-9.0	-8.9	-9.1	-9.7	-10.6	-12.1	-14.0	-15.6	-17.6	-20.6	-21.7	-22.6	-11.9	-5.4	-22.6
22	-24.5	-25.6	-25.6	-27.1	-27.9	-28.7	-29.7	-30.5	-29.0	-26.2	-21.3	-15.8	-13.6	-12.4	-11.2	-10.2	-9.9	-10.7	-14.2	-17.0	-18.5	-20.3	-21.6	-22.4	-20.6	-9.9	-30.5
23	-22.8	-23.8	-24.3	-24.3	-24.4	-24.0	-24.1	-23.7	-22.1	-17.2	-11.6	-7.3	-6.4	-5.4	-3.4	-2.4	-2.4	-2.8	-3.6	-4.0	-3.6	-3.7	-4.2	-6.0	-12.4	-2.4	-24.4
24	-6.0	-7.7	-9.0	-10.2	-11.0	-11.7	-12.2	-12.5	-12.3	-9.2	-1.3	1.0	1.8	2.0	1.4	0.7	0.4	0.4	-0.4	-0.4	-1.1	-1.8	-2.0	-2.2	-4.3	2.0	-12.5
25	-2.1	-2.3	-2.9	-3.2	-3.6	-3.9	-4.2	-4.5	-5.2	-7.1	-7.8	-7.8	-7.2	-7.8	-8.2	-8.7	-9.4	-10.6	-11.2	-11.5	-11.8	-12.1	-12.8	-13.0	-7.5	-2.1	-13.0
26	-12.7	-12.9	-13.6	-14.1	-14.6	-15.3	-15.7	-16.7	-16.9	-15.7	-14.3	-13.1	-12.5	-11.7	-11.1	-11.6	-12.4	-14.0	-15.9	-16.6	-18.2	-20.2	-22.3	-23.0	-15.2	-11.1	-23.0
27	-23.9	-24.3	-24.9	-25.4	-26.0	-25.6	-26.1	-26.1	-24.3	-21.4	-15.6	-11.8	-11.0	-10.4	-10.5	-11.3	-11.6	-11.5	-12.9	-14.2	-14.2	-15.5	-16.7	-18.0	-18.1	-10.4	-26.1
28	-19.9	-20.6	-22.2	-22.8	-23.0	-23.4	-24.4	-24.4	-23.3	-20.1	-13.8	-12.1	-11.6	-10.9	-10.8	-10.7	-10.8	-11.9	-13.6	-15.0	-18.4	-20.8	-21.7	-22.1	-17.8	-10.7	-24.4
Avg	-5.5	-5.9	-6.2	-6.7	-7.0	-7.2	-7.4	-7.4	-7.1	-5.9	-3.6	-1.9	-0.8	-0.3	-0.2	-0.1	-0.5	-1.4	-2.8	-3.7	-4.2	-4.6	-5.1	-5.4	-4.2	1.0	-10.2
Max	9.0	8.6	8.1	7.7	7.6	8.4	9.0	9.3	9.6	10.9	11.1	11.0	11.1	11.6	11.7	11.5	10.7	9.3	9.6	10.3	9.7	9.5	9.3	9.1	9.0	11.7	4.4
Min	-24.5	-25.6	-25.6	-27.1	-27.9	-28.7	-29.7	-30.5	-29.0	-26.2	-21.3	-15.8	-13.6	-12.4	-11.2	-11.6	-12.4	-14.0	-15.9	-17.0	-18.5	-20.8	-22.3	-23.0	-20.6	-11.1	-30.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
March 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-22.3	-20.7	-18.8	-16.0	-16.5	-18.8	-21.2	-21.6	-20.8	-18.7	-14.7	-10.5	-8.2	-7.0	-6.0	-5.5	-4.7	-5.8	-8.3	-10.5	-12.3	-13.5	-15.0	-15.6	-13.9	-4.7	-22.3
2	-15.7	-16.3	-16.2	-16.7	-16.9	-17.6	-18.4	-17.5	-15.8	-12.5	-5.3	-2.8	-3.2	-3.9	-4.3	-5.3	-6.6	-8.7	-10.5	-11.1	-11.9	-12.5	-13.2	-13.6	-11.5	-2.8	-18.4
3	-14.8	-15.3	-16.1	-16.7	-17.1	-17.7	-19.0	-19.8	-19.4	-18.1	-17.0	-15.8	-14.8	-13.7	-12.8	-12.0	-11.9	-12.2	-13.2	-15.2	-16.6	-19.0	-20.9	-21.8	-16.3	-11.9	-21.8
4	-23.8	-24.3	-25.0	-24.3	-23.9	-24.4	-25.3	-25.5	-25.0	-21.2	-15.0	-10.3	-8.7	-7.4	-6.3	-5.3	-4.7	-4.6	-5.5	-7.6	-11.5	-13.2	-14.8	-15.7	-15.6	-4.6	-25.5
5	-16.6	-17.3	-17.6	-17.2	-17.3	-17.5	-17.9	-18.4	-16.1	-12.7	-5.2	0.3	1.3	1.5	1.7	2.5	2.5	2.7	1.4	-0.4	-3.0	-5.4	-6.7	-6.7	-7.6	2.7	-18.4
6	-7.3	-8.6	-9.6	-9.7	-10.1	-9.9	-9.0	-9.1	-6.2	0.3	3.3	4.4	5.3	6.0	6.5	6.8	6.8	6.4	5.9	5.2	2.3	-0.2	-2.0	-3.0	-1.1	6.8	-10.1
7	-3.6	-4.4	-5.1	-5.6	-6.4	-6.6	-7.0	-7.0	-5.8	-1.1	4.3	5.1	5.8	4.8	4.9	5.4	5.5	5.2	4.9	3.4	2.3	0.9	0.0	-0.5	-0.0	5.8	-7.0
8	-1.1	-1.8	-3.2	-5.0	-6.0	-6.8	-7.5	-8.0	-6.7	-2.0	2.9	4.1	4.7	5.3	5.8	6.6	6.9	6.6	5.5	4.2	4.0	2.5	-0.7	-2.8	0.3	6.9	-8.0
9	-4.5	-5.4	-6.1	-6.7	-7.3	-7.4	-7.7	-7.3	-5.2	0.3	4.4	5.4	6.5	7.5	8.1	8.8	9.1	8.0	6.5	4.2	0.7	-1.4	-2.1	-2.8	0.2	9.1	-7.7
10	-3.9	-4.5	-4.8	-5.6	-6.7	-7.0	-6.8	-6.6	-4.7	-1.5	4.7	8.0	8.9	9.5	10.1	10.6	10.9	10.8	7.1	2.5	1.0	-0.4	-1.4	-2.6	1.2	10.9	-7.0
11	-2.2	-2.5	-2.2	-2.4	-2.5	-1.4	-1.2	-0.4	0.0	1.9	Au	Au	Au	Au	Au	Au	11.5	10.0	6.7	4.7	3.8	3.9	4.4	4.9	2.1	11.5	-2.5
12	4.7	3.4	2.5	0.8	-1.1	-2.3	-3.1	-3.1	-2.2	0.6	5.6	7.2	8.1	8.3	8.7	8.6	7.8	7.2	5.9	3.8	1.0	-0.6	-1.6	-2.0	2.8	8.7	-3.1
13	-2.8	-3.4	-3.6	-4.0	-4.1	-4.4	-5.1	-4.9	-2.7	0.3	4.5	6.3	7.5	8.8	10.3	11.1	11.6	11.1	6.1	2.8	0.4	-0.6	-1.2	-1.7	1.8	11.6	-5.1
14	-2.6	-2.2	-2.4	1.7	6.2	5.9	5.0	7.4	7.7	9.7	11.0	12.3	13.1	14.1	14.5	14.6	14.2	12.9	11.9	11.0	10.4	10.1	9.8	9.8	8.6	14.6	-2.6
15	9.4	9.3	9.3	9.2	7.2	7.4	6.0	9.1	10.5	10.8	10.4	10.0	9.2	9.1	10.1	11.5	11.9	11.7	11.6	10.0	11.7	11.7	12.1	11.9	10.0	12.1	6.0
16	11.0	11.6	9.3	7.0	5.6	4.6	1.5	-0.3	1.1	2.3	2.4	3.5	3.7	3.4	2.4	2.8	1.1	-0.8	-1.6	-1.9	-1.8	-1.6	-1.7	-1.7	2.6	11.6	-1.9
17	-1.7	-1.6	-1.9	-2.2	-3.0	-2.8	-2.6	-1.9	-1.5	-1.2	-0.4	-0.6	-0.4	-0.3	0.4	1.4	2.0	2.1	1.5	1.2	1.0	0.7	0.3	0.2	-0.5	2.1	-3.0
18	0.2	0.2	0.2	0.3	0.9	1.3	0.8	0.5	0.8	1.4	2.2	3.0	3.4	3.6	3.1	1.3	1.3	1.6	1.3	2.0	1.8	1.4	1.3	0.8	1.4	3.6	0.2
19	0.4	0.2	0.0	-0.2	-0.3	-1.3	-3.0	-2.8	0.1	1.8	3.1	4.4	6.0	7.2	8.5	8.8	8.8	8.0	6.9	5.2	3.9	6.7	6.3	5.9	3.5	8.8	-3.0
20	5.9	5.9	6.6	5.4	4.6	2.8	3.0	2.8	6.4	8.3	9.7	10.7	11.1	11.4	12.1	12.7	12.1	12.1	8.1	5.1	3.6	1.8	2.1	1.4	6.9	12.7	1.4
21	0.4	-0.9	-1.2	-1.8	-2.4	-2.3	-2.1	-1.5	1.1	4.3	10.0	12.0	11.5	11.3	10.5	9.3	9.0	8.4	7.4	6.8	5.9	3.4	3.9	4.2	4.5	12.0	-2.4
22	4.3	3.7	2.9	3.0	2.2	1.0	-0.4	0.6	3.1	4.1	5.1	6.5	7.7	8.5	9.6	10.3	10.3	9.9	9.0	5.7	3.3	3.2	3.5	3.3	5.0	10.3	-0.4
23	2.9	3.7	2.1	1.4	0.6	0.0	0.0	0.7	2.2	7.0	8.6	9.0	8.1	7.3	5.1	1.7	0.5	0.5	0.4	0.0	-0.6	-0.8	-0.2	-0.5	2.5	9.0	-0.8
24	-1.2	-2.1	-2.0	-1.8	-1.3	-1.4	-2.0	-2.3	-1.0	-0.1	1.0	2.1	2.9	2.8	2.9	3.2	2.9	1.5	0.7	-0.4	-0.9	-1.1	-1.5	-1.8	-0.0	3.2	-2.3
25	-2.0	-2.3	-2.4	-2.6	-2.3	-2.2	-2.4	-2.1	-1.0	0.0	0.8	1.8	2.7	3.0	3.5	3.3	2.6	2.1	2.0	2.4	2.3	2.8	2.6	2.4	0.6	3.5	-2.6
26	2.2	1.2	0.6	0.7	0.8	1.4	1.6	1.8	2.2	4.2	6.1	7.3	8.2	9.5	10.0	10.8	10.9	10.1	8.3	6.6	5.2	2.9	0.8	-0.5	4.7	10.9	-0.5
27	-1.1	-1.5	-2.0	-2.2	-2.5	-2.6	-3.0	-2.0	3.0	9.8	12.1	13.5	14.2	15.2	15.7	16.3	16.3	15.9	13.7	8.4	5.0	2.7	1.4	1.3	6.2	16.3	-3.0
28	-0.2	-0.3	-0.9	-1.5	-1.9	-1.4	-0.2	2.9	13.6	10.8	6.6	3.2	4.9	5.7	6.2	5.8	5.8	4.8	3.2	0.8	0.9	1.2	-0.4	-1.1	2.9	13.6	-1.9
29	-2.4	-2.8	-2.5	-2.2	-2.3	-0.2	-0.5	0.3	2.5	2.8	3.8	5.4	6.8	7.5	8.7	9.3	9.1	9.0	8.5	7.9	7.5	7.1	6.9	6.7	4.0	9.3	-2.8
30	6.6	6.2	5.1	3.0	1.1	-0.7	-1.4	-0.7	4.5	9.0	9.9	10.5	11.6	12.6	13.2	13.9	13.7	14.3	12.5	7.3	5.9	4.5	3.7	2.5	7.0	14.3	-1.4
31	1.9	1.3	0.5	0.2	0.3	-0.1	-0.7	2.0	8.3	13.3	14.1	14.5	15.0	16.4	16.7	14.0	12.3	11.9	9.8	7.9	6.5	4.0	2.4	1.7	7.3	16.7	-0.7
Avg	-2.6	-3.0	-3.4	-3.6	-3.9	-4.3	-4.8	-4.3	-2.2	0.4	3.0	4.3	5.1	5.6	6.0	6.1	6.1	5.6	4.1	2.3	1.0	0.0	-0.7	-1.2	0.6	7.6	-5.8
Max	11.0	11.6	9.3	9.2	7.2	7.4	6.0	9.1	13.6	13.3	14.1	14.5	15.0	16.4	16.7	16.3	16.3	15.9	13.7	11.0	11.7	11.7	12.1	11.9	10.0	16.7	6.0
Min	-23.8	-24.3	-25.0	-24.3	-23.9	-24.4	-25.3	-25.5	-25.0	-21.2	-17.0	-15.8	-14.8	-13.7	-12.8	-12.0	-11.9	-12.2	-13.2	-15.2	-16.6	-19.0	-20.9	-21.8	-16.3	-11.9	-25.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
January 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-19.8	-20.5	-20.4	-20.5	-20.6	-18.4	-19.0	-17.6	-18.2	-18.2	-16.2	-14.7	-12.2	-10.5	-9.8	-9.2	-10.2	-12.3	-13.8	-14.1	-15.6	-15.8	-15.1	-16.1	-15.8	-9.2	-20.6
2	-16.2	-16.8	-17.8	-18.3	-18.3	-18.3	-18.7	-18.9	-19.6	-17.3	-12.5	-9.1	-3.7	-1.2	-0.6	-1.0	-1.0	-1.0	-1.7	-1.9	-2.1	-6.7	-9.7	-10.7	-10.1	-0.6	-19.6
3	-12.7	-14.6	-16.4	-17.7	-18.4	-19.0	-20.5	-20.7	-20.3	-19.8	-19.2	-18.0	-17.0	-16.4	-15.4	-14.9	-15.3	-16.4	-16.9	-17.5	-18.4	-19.2	-19.5	-19.8	-17.7	-12.7	-20.7
4	-20.0	-20.1	-20.4	-20.8	-20.9	-21.2	-21.2	-21.2	-20.9	-20.6	-19.9	-19.4	-19.2	-18.9	-18.6	-18.1	-17.7	-17.5	-17.4	-17.1	-16.7	-16.0	-15.2	-13.5	-18.9	-13.5	-21.2
5	-11.5	-8.6	-7.1	-6.1	-5.1	-3.9	-0.3	0.0	0.2	1.3	1.3	-0.7	-2.4	-2.9	-2.4	-2.7	-2.9	-3.1	-2.9	-2.9	-2.7	-2.5	-2.2	-0.7	-3.0	1.3	-11.5
6	1.6	1.6	3.4	3.5	3.1	3.1	3.4	3.8	4.0	4.2	4.4	3.0	-4.3	-8.2	-9.5	-10.4	-12.8	-13.3	-13.7	-13.5	-13.3	-13.6	-14.4	-15.1	-4.3	4.4	-15.1
7	-15.2	-14.8	-14.4	-14.3	-13.6	-13.9	-14.3	-15.5	-17.6	-17.8	-16.2	-14.0	-11.9	-9.7	-7.5	-5.5	-4.8	-4.6	-5.0	-5.6	-3.9	-6.5	-8.0	-9.2	-11.0	-3.9	-17.8
8	-10.9	-11.6	-10.3	-11.7	-11.3	-9.7	-3.9	-5.8	-8.5	-9.8	-11.4	-12.3	-13.7	-14.3	-14.2	-14.4	-14.8	-15.1	-17.1	-20.1	-23.5	-26.2	-27.3	-28.5	-14.4	-3.9	-28.5
9	-29.9	-31.2	-31.5	-31.9	-33.0	-33.1	-33.4	-33.3	-32.3	-31.3	-27.9	-23.7	-20.2	-17.1	-14.9	-13.4	-13.5	-13.6	-13.7	-14.0	-14.5	-14.2	-14.1	-13.7	-22.9	-13.4	-33.4
10	-13.9	-14.0	-14.6	-14.5	-15.4	-15.7	-16.2	-16.6	-15.6	-14.0	-12.0	-9.5	-7.6	-5.9	-3.1	-2.7	-2.2	-2.0	-1.2	0.0	-0.7	-0.4	-0.6	-0.3	-8.3	0.0	-16.6
11	0.3	0.1	-0.1	-0.8	-1.6	-2.4	-3.9	-5.3	-6.2	-6.8	-6.7	-6.4	-5.1	-4.5	-4.5	-5.1	-5.9	-5.5	-5.6	-5.7	-6.1	-7.0	-8.4	-8.3	-4.6	0.3	-8.4
12	-8.4	-9.2	-11.6	-12.1	-13.9	-16.2	-17.9	-18.9	-19.8	-19.2	-15.6	-12.9	-11.0	-8.9	-7.1	-6.6	-6.5	-7.2	-8.6	-8.6	-9.0	-10.3	-12.6	-14.5	-11.9	-6.5	-19.8
13	-16.6	-18.3	-19.3	-20.4	-21.1	-21.8	-23.4	-23.0	-23.0	-22.4	-20.6	-17.6	-15.1	-12.3	-10.4	-10.3	-10.3	-12.7	-14.4	-14.8	-14.3	-16.2	-16.8	-17.8	-17.2	-10.3	-23.4
14	-18.0	-19.3	-19.6	-20.7	-21.2	-21.5	-21.8	-21.6	-21.2	-20.6	-18.8	-16.2	-13.1	-9.4	-6.4	-6.5	-7.4	-10.3	-11.8	-10.9	-11.1	-12.2	-13.7	-14.8	-15.3	-6.4	-21.8
15	-15.2	-15.7	-16.9	-16.5	-17.9	-17.7	-18.2	-17.5	-16.7	-15.3	-14.0	-11.1	-9.2	-6.6	-5.1	-5.5	-6.3	-8.7	-11.1	-13.3	-14.3	-13.7	-14.9	-14.2	-13.1	-5.1	-18.2
16	-15.3	-14.1	-12.2	-11.5	-8.8	-8.5	-7.7	-8.1	-6.9	-2.0	2.0	2.4	2.5	2.5	2.4	2.3	1.6	0.6	-0.1	-0.6	-0.6	-1.1	-1.9	-4.0	-3.6	2.5	-15.3
17	-3.8	-4.3	-4.7	-4.0	-5.5	-5.2	-8.7	-10.7	-11.3	-11.1	-10.1	-8.0	-6.2	-2.1	0.8	0.0	-0.2	-1.8	-1.0	-1.4	-1.1	-1.8	-0.8	-0.3	-4.3	0.8	-11.3
18	0.5	-0.1	-0.1	0.5	0.5	0.9	1.8	1.4	1.4	1.4	2.8	4.7	5.5	4.8	3.9	2.8	2.0	1.4	0.5	-0.1	0.6	0.5	0.3	0.2	1.6	5.5	-0.1
19	0.0	-0.1	0.0	-0.3	-0.9	-1.3	-1.5	-2.0	-3.0	-2.1	-1.1	-0.4	-0.2	-0.5	-0.5	-0.6	-0.8	-1.3	-2.2	-2.5	-3.3	-5.2	-6.5	-7.5	-1.8	0.0	-7.5
20	-6.9	-6.5	-5.5	-5.1	-5.8	-6.1	-5.5	-5.2	-5.4	-5.4	-5.0	-4.4	-3.7	-3.4	-3.4	-3.8	-5.5	-6.9	-7.1	-8.1	-9.3	-10.0	-9.0	-9.6	-6.1	-3.4	-10.0
21	-13.8	-15.5	-16.8	-18.5	-19.3	-20.6	-21.5	-22.7	-23.4	-22.5	-20.7	-18.1	-15.2	-13.0	-11.2	-10.1	-10.4	-12.8	-15.7	-16.8	-17.8	-18.8	-18.9	-18.9	-17.2	-10.1	-23.4
22	-19.9	-19.7	-20.1	-18.8	-17.9	-17.7	-18.3	-18.0	-18.6	-17.8	-14.9	-10.3	-1.3	0.9	0.9	0.4	0.1	-2.0	-4.8	-3.7	-2.3	-3.4	-6.2	-7.7	-10.0	0.9	-20.1
23	-7.4	-5.6	-5.4	-6.4	-7.1	-8.4	-10.3	-12.3	-13.0	-11.3	-9.5	-6.4	0.5	1.5	1.5	1.3	0.4	-1.2	-2.8	-5.9	-6.4	-6.8	-5.0	-3.4	-5.4	1.5	-13.0
24	-0.3	1.7	3.5	3.9	3.8	3.7	3.8	3.9	3.4	3.9	3.9	4.6	4.6	4.2	4.1	3.6	3.7	3.2	2.6	0.9	-0.1	-1.4	-2.1	-0.1	2.6	4.6	-2.1
25	2.5	3.3	2.8	3.4	3.7	4.5	4.5	5.4	5.2	5.1	5.6	5.9	5.9	5.8	5.6	6.5	6.8	6.3	4.9	4.5	4.2	4.6	2.7	2.4	4.7	6.8	2.4
26	1.3	0.4	-0.4	-1.1	-1.8	-2.4	-2.7	-3.6	-3.0	-2.5	-0.7	1.5	3.5	5.8	8.4	8.5	8.6	4.8	2.4	0.7	0.1	-0.7	-2.0	-3.3	0.9	8.6	-3.6
27	-3.8	-4.6	-4.0	-4.3	-4.7	-4.9	-4.8	-4.6	-4.9	-4.1	-2.5	-0.7	1.5	3.6	3.9	4.7	3.9	2.3	0.1	-1.2	-3.0	-2.6	-2.5	-3.1	-1.7	4.7	-4.9
28	-3.8	-4.4	-4.1	-0.6	0.6	0.2	-0.3	-0.7	-4.4	-4.3	-1.9	2.4	2.9	3.1	3.0	2.9	2.0	1.1	0.6	-0.7	-2.0	-3.4	-5.3	-5.9	-1.0	3.1	-5.9
29	-7.4	-9.4	-10.3	-10.2	-11.8	-12.8	-13.7	-14.8	-14.6	-12.6	-10.1	-7.3	-4.1	-0.3	2.6	2.3	0.4	-2.7	-4.7	-7.6	-8.6	-10.0	-10.8	-11.8	-7.9	2.6	-14.8
30	-12.4	-13.5	-13.5	-14.0	-15.1	-14.6	-15.2	-15.7	-15.2	-12.7	-8.8	-5.8	-2.8	2.3	2.2	1.6	1.2	-2.4	-4.7	-8.1	-8.6	-10.4	-11.7	-12.3	-8.8	2.3	-15.7
31	-13.8	-14.2	-14.0	-13.9	-13.5	-12.5	-12.4	-12.9	-13.2	-8.3	-5.2	-6.1	-7.9	-8.9	-10.2	-12.4	-13.2	-14.2	-14.4	-14.4	-14.5	-14.3	-14.1	-14.1	-12.2	-5.2	-14.5
Avg	-10.0	-10.3	-10.4	-10.4	-10.7	-10.8	-11.0	-11.4	-11.7	-10.8	-9.1	-7.4	-5.8	-4.5	-3.7	-3.8	-4.2	-5.4	-6.5	-7.3	-7.7	-8.6	-9.2	-9.6	-8.3	-1.8	-14.7
Max	2.5	3.3	3.5	3.9	3.8	4.5	4.5	5.4	5.2	5.1	5.6	5.9	5.9	5.8	8.4	8.5	8.6	6.3	4.9	4.5	4.2	4.6	2.7	2.4	4.7	8.6	2.4
Min	-29.9	-31.2	-31.5	-31.9	-33.0	-33.1	-33.4	-33.3	-32.3	-31.3	-27.9	-23.7	-20.2	-18.9	-18.6	-18.1	-17.7	-17.5	-17.4	-20.1	-23.5	-26.2	-27.3	-28.5	-22.9	-13.5	-33.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
February 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-15.3	-17.7	-19.2	-20.6	-21.4	-22.3	-22.7	-23.7	-23.4	-21.4	-18.3	-14.5	-9.1	-4.5	-3.9	-3.7	-4.9	-5.3	-5.4	-5.3	-5.2	-5.3	-5.5	-5.4	-12.7	-3.7	-23.7
2	-5.0	-4.4	-1.2	-0.9	-0.9	-0.5	-0.7	-0.9	-1.8	-1.4	-0.1	0.7	0.9	0.5	0.5	1.0	2.1	2.2	1.7	1.1	0.7	0.1	0.0	1.8	-0.2	2.2	-5.0
3	2.7	2.5	2.4	2.0	2.0	1.7	1.3	0.7	0.8	1.0	1.2	1.3	1.4	1.4	1.3	0.1	-2.5	-4.5	-9.3	-11.1	-11.1	-10.8	-11.8	-11.7	-2.0	2.7	-11.8
4	-11.6	-11.4	-11.3	-11.3	-11.7	-13.3	-14.1	-15.1	-15.3	-12.9	-10.9	-7.9	-6.4	-4.1	-2.8	-1.9	-1.9	-3.4	-3.5	-3.4	-2.9	-2.7	-3.1	-2.5	-7.7	-1.9	-15.3
5	-2.9	-2.8	-3.3	-3.8	-4.0	-3.8	-3.3	-3.1	-1.5	-0.5	0.6	3.5	7.3	6.5	4.6	4.7	4.4	2.8	0.4	-0.3	2.2	6.5	6.7	5.7	1.1	7.3	-4.0
6	3.6	2.4	3.0	1.9	6.2	7.6	7.9	8.4	8.3	9.5	9.6	9.8	10.1	10.1	10.6	10.2	9.0	8.1	8.3	9.0	8.5	8.1	8.0	8.0	7.8	10.6	1.9
7	7.9	7.5	6.9	6.7	4.4	5.0	4.4	4.4	4.0	3.9	4.5	4.3	4.9	4.8	5.6	6.2	5.5	4.8	4.9	5.0	4.7	4.4	4.2	4.2	5.1	7.9	3.9
8	4.2	3.4	4.0	4.1	3.3	3.0	2.8	2.8	3.3	3.7	4.5	5.0	5.4	5.9	6.2	6.4	5.3	3.2	0.5	-0.4	-0.9	-0.5	-1.6	-1.6	3.0	6.4	-1.6
9	-1.9	-2.0	-0.9	-1.9	-2.8	-1.9	-1.4	-1.1	1.1	1.0	1.4	1.4	2.3	3.0	3.5	3.5	3.2	2.8	3.0	2.9	2.8	3.2	2.9	2.9	1.1	3.5	-2.8
10	2.6	1.9	1.9	1.7	1.5	1.4	1.4	1.2	1.3	1.5	1.6	1.6	1.8	1.6	1.6	2.0	1.8	1.3	0.0	-0.6	-1.7	-2.0	-2.7	-2.7	0.8	2.6	-2.7
11	-2.4	-3.1	-4.5	-5.9	-6.7	-7.1	-7.9	-8.3	-7.7	-5.1	-2.3	1.5	3.8	4.8	5.0	5.2	4.3	2.2	0.0	-1.4	-2.4	-2.9	-3.7	-3.0	-2.0	5.2	-8.3
12	-2.7	-1.5	-2.1	-2.2	-3.4	-3.8	-3.8	-1.4	0.1	3.0	5.0	5.7	6.0	6.0	6.8	7.0	6.6	5.4	4.5	2.0	2.4	3.9	2.2	0.9	1.9	7.0	-3.8
13	-0.4	-1.0	-2.0	-2.7	-3.8	-4.4	-5.1	-5.4	-4.9	-2.6	1.1	6.6	7.8	8.5	9.1	9.3	9.2	6.3	2.4	1.1	0.3	-0.4	-0.4	-1.2	1.1	9.3	-5.4
14	-1.1	-2.1	-2.7	-3.1	-2.5	-2.1	-1.6	-1.2	-1.3	0.0	4.9	6.5	7.7	7.0	5.6	4.4	3.1	2.3	1.2	0.6	0.3	0.1	-0.5	-1.2	1.0	7.7	-3.1
15	-1.1	-1.5	-1.2	-1.5	-2.4	-3.5	-3.8	-4.5	-4.0	-2.8	-2.1	-0.8	0.1	-1.0	-2.7	-1.9	-2.2	-3.2	-4.7	-5.4	-6.0	-6.5	-5.7	-5.2	-3.1	0.1	-6.5
16	-4.8	-5.2	-5.3	-5.1	-5.0	-5.1	-5.1	-5.1	-5.3	-5.2	-4.9	-4.6	-4.4	-4.4	-4.0	-4.6	-4.5	-5.2	-6.1	-6.1	-5.9	-6.3	-7.3	-6.9	-5.3	-4.0	-7.3
17	-6.9	-6.8	-6.2	-6.4	-6.7	-6.9	-7.2	-7.6	-8.7	-7.7	-5.9	-4.5	-3.1	-2.2	-1.4	-1.2	-1.4	-1.6	-3.0	-4.0	-5.1	-6.5	-7.9	-10.0	-5.4	-1.2	-10.0
18	-10.3	-10.9	-10.9	-9.8	-9.0	-7.5	-7.3	-7.9	-7.4	-5.7	-0.5	2.0	3.4	3.5	4.0	4.8	4.8	3.9	3.1	0.4	-0.6	-0.8	0.2	2.6	-2.3	4.8	-10.9
19	4.0	2.0	0.4	-0.1	-2.2	-2.5	-2.0	-1.6	-0.2	1.4	2.9	3.4	3.7	3.5	3.7	3.5	2.8	1.3	0.4	-0.7	-1.4	-0.7	-0.5	-0.6	0.9	4.0	-2.5
20	-1.7	-1.9	-1.9	-2.0	-1.9	-2.0	-2.4	-2.5	-2.3	-2.6	-1.9	-0.5	-0.5	0.2	-1.3	-0.9	-1.7	-2.2	-2.5	-2.2	-2.9	-3.4	-4.1	-4.6	-2.1	0.2	-4.6
21	-5.5	-7.4	-8.6	-9.7	-10.0	-10.5	-11.0	-11.2	-11.0	-10.7	-9.8	-9.3	-8.8	-8.9	-9.2	-9.7	-10.6	-12.2	-14.5	-16.1	-18.1	-22.1	-23.1	-23.7	-12.2	-5.5	-23.7
22	-25.3	-26.4	-26.8	-28.3	-29.0	-30.2	-30.9	-32.0	-29.3	-26.2	-21.4	-15.6	-13.3	-11.9	-10.9	-10.0	-10.2	-11.8	-15.3	-17.7	-19.2	-21.5	-22.8	-23.5	-21.2	-10.0	-32.0
23	-24.5	-25.1	-25.7	-25.9	-26.2	-25.7	-26.0	-25.6	-22.5	-17.7	-11.7	-7.0	-6.1	-5.0	-3.1	-2.4	-2.7	-4.0	-4.2	-4.5	-4.0	-4.0	-4.5	-6.9	-13.1	-2.4	-26.2
24	-6.6	-8.8	-10.5	-11.6	-12.3	-12.6	-13.4	-14.0	-13.2	-9.5	-1.5	1.1	1.8	1.9	1.3	0.5	0.0	-0.1	-1.2	-0.9	-1.1	-1.8	-2.1	-2.2	-4.9	1.9	-14.0
25	-2.1	-2.4	-2.9	-3.2	-3.6	-4.0	-4.2	-4.5	-5.2	-7.0	-7.6	-7.7	-7.0	-7.7	-7.9	-8.6	-9.6	-10.7	-11.3	-11.5	-11.9	-12.3	-13.1	-13.1	-7.5	-2.1	-13.1
26	-12.8	-13.3	-13.8	-14.3	-14.9	-15.5	-15.9	-17.0	-17.0	-15.5	-14.0	-12.8	-12.0	-11.2	-10.6	-11.3	-12.4	-14.3	-16.4	-17.2	-19.3	-21.1	-23.6	-24.0	-15.4	-10.6	-24.0
27	-24.8	-25.2	-25.8	-26.8	-27.2	-27.0	-27.2	-26.8	-24.7	-21.4	-15.9	-11.7	-10.7	-10.2	-10.3	-11.1	-11.7	-11.9	-13.3	-14.7	-14.9	-16.6	-18.3	-19.5	-18.7	-10.2	-27.2
28	-20.4	-21.4	-22.6	-23.9	-23.6	-24.1	-25.5	-25.2	-23.7	-20.2	-14.0	-11.8	-11.3	-10.5	-10.5	-10.5	-10.9	-12.3	-14.3	-16.4	-19.6	-21.7	-22.6	-22.8	-18.3	-10.5	-25.5
Avg	-5.9	-6.5	-6.8	-7.3	-7.6	-7.8	-8.0	-8.2	-7.6	-6.1	-3.8	-1.9	-0.9	-0.4	-0.3	-0.3	-0.9	-2.0	-3.4	-4.2	-4.7	-5.1	-5.7	-5.9	-4.6	0.8	-11.0
Max	7.9	7.5	6.9	6.7	6.2	7.6	7.9	8.4	8.3	9.5	9.6	9.8	10.1	10.1	10.6	10.2	9.2	8.1	8.3	9.0	8.5	8.1	8.0	8.0	7.8	10.6	3.9
Min	-25.3	-26.4	-26.8	-28.3	-29.0	-30.2	-30.9	-32.0	-29.3	-26.2	-21.4	-15.6	-13.3	-11.9	-10.9	-11.3	-12.4	-14.3	-16.4	-17.7	-19.6	-22.1	-23.6	-24.0	-21.2	-10.6	-32.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
March 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-22.5	-20.7	-19.3	-16.7	-17.3	-19.8	-21.6	-22.4	-22.0	-18.5	-15.1	-10.5	-7.7	-6.5	-5.8	-5.1	-4.8	-6.5	-9.2	-11.0	-13.0	-14.1	-15.8	-17.2	-14.3	-4.8	-22.5
2	-17.8	-18.0	-17.8	-18.5	-18.3	-18.9	-19.7	-18.9	-16.2	-12.8	-5.6	-2.7	-3.0	-3.8	-4.2	-5.2	-6.7	-8.8	-10.5	-11.1	-11.8	-12.4	-13.1	-13.6	-12.1	-2.7	-19.7
3	-14.7	-15.3	-16.1	-16.7	-17.0	-17.9	-19.5	-20.5	-19.6	-18.1	-16.7	-15.5	-14.4	-13.3	-12.5	-11.9	-12.0	-12.6	-14.1	-16.2	-17.7	-20.4	-22.3	-23.3	-16.6	-11.9	-23.3
4	-24.8	-25.0	-25.7	-25.3	-24.8	-25.2	-26.3	-26.7	-25.5	-21.3	-15.5	-10.0	-8.3	-7.1	-6.1	-5.2	-4.8	-4.9	-6.5	-9.2	-12.5	-14.6	-16.0	-17.2	-16.2	-4.8	-26.7
5	-18.0	-18.9	-19.0	-18.4	-18.9	-18.8	-19.8	-19.6	-16.4	-13.2	-5.9	0.3	1.1	1.4	1.6	2.4	2.3	2.2	0.1	-1.7	-4.5	-6.9	-8.3	-9.4	-8.6	2.4	-19.8
6	-8.9	-10.2	-10.5	-10.7	-11.0	-10.6	-10.5	-9.8	-7.4	0.0	3.1	4.1	5.0	5.6	6.0	6.3	6.2	5.7	5.2	4.1	0.9	-1.1	-2.3	-3.5	-1.8	6.3	-11.0
7	-4.2	-5.1	-6.1	-6.7	-7.2	-7.6	-8.3	-8.0	-6.0	-1.9	4.0	4.9	5.4	4.4	4.6	5.1	4.9	4.3	4.1	2.9	1.7	0.4	-0.3	-0.6	-0.6	5.4	-8.3
8	-1.5	-2.3	-4.6	-6.2	-7.1	-7.7	-8.4	-8.6	-6.8	-2.5	2.9	4.0	4.6	5.1	5.7	6.3	6.5	6.0	4.8	3.2	3.3	1.6	-1.7	-3.3	-0.3	6.5	-8.6
9	-5.4	-6.3	-6.8	-7.4	-8.2	-8.2	-8.5	-7.8	-5.4	0.1	4.4	5.3	6.3	7.2	7.8	8.5	8.4	7.0	5.2	2.7	-0.2	-1.7	-2.3	-3.4	-0.4	8.5	-8.5
10	-4.8	-5.2	-5.3	-6.6	-7.8	-7.8	-7.5	-7.1	-4.6	-1.2	4.9	7.9	8.6	9.2	9.9	10.1	10.0	10.1	5.7	2.1	0.8	-0.8	-1.9	-3.6	0.6	10.1	-7.8
11	-3.1	-3.4	-3.1	-3.3	-3.2	-2.3	-2.2	-1.4	-0.4	1.4	Au	Au	Au	Au	Au	Au	10.6	8.7	5.8	3.7	2.6	2.8	3.1	4.1	1.1	10.6	-3.4
12	4.0	2.5	1.0	-0.4	-1.8	-2.8	-3.7	-3.6	-2.2	0.5	5.5	7.2	8.1	8.2	8.3	8.2	7.4	6.6	4.8	2.5	0.3	-1.2	-1.9	-2.3	2.3	8.3	-3.7
13	-3.2	-3.9	-4.0	-4.3	-4.3	-4.8	-5.5	-4.8	-2.5	0.6	5.1	6.6	7.9	9.2	10.6	11.3	11.6	10.9	5.2	2.6	-0.3	-1.2	-1.7	-2.1	1.6	11.6	-5.5
14	-3.5	-3.5	-3.3	-0.4	4.7	4.3	4.0	6.8	7.2	9.5	11.0	12.5	13.2	14.1	14.4	14.2	13.7	12.3	11.2	10.4	9.9	9.5	9.2	9.2	7.9	14.4	-3.5
15	8.7	8.6	8.6	8.3	4.7	5.2	4.2	7.7	10.0	10.5	10.2	9.7	8.7	8.7	9.7	11.3	11.6	11.1	10.4	8.3	10.7	11.2	11.4	10.8	9.2	11.6	4.2
16	9.6	10.6	8.5	6.4	5.3	4.3	1.4	-0.2	1.4	2.8	3.0	4.1	4.6	4.3	2.9	3.4	1.5	-0.5	-1.5	-1.8	-1.7	-1.5	-1.6	-1.6	2.7	10.6	-1.8
17	-1.6	-1.5	-1.8	-2.1	-2.8	-2.6	-2.5	-1.7	-1.2	-0.7	0.2	-0.1	-0.1	0.0	0.7	1.7	2.2	2.2	1.5	1.1	1.0	0.7	0.3	0.2	-0.3	2.2	-2.8
18	0.2	0.2	0.2	0.2	0.7	1.1	0.5	0.2	0.6	1.1	2.0	3.1	3.5	3.9	3.3	1.4	1.4	1.6	1.1	1.7	1.6	1.2	1.1	0.6	1.4	3.9	0.2
19	0.3	0.0	-0.2	-0.3	-0.6	-1.8	-3.6	-2.7	0.4	2.2	3.8	5.3	6.8	8.1	9.3	9.4	9.0	7.8	6.4	4.5	3.3	5.8	5.4	5.4	3.5	9.4	-3.6
20	5.3	5.2	5.9	4.3	3.1	0.9	1.4	1.4	6.6	8.8	10.4	11.5	12.0	12.4	12.9	13.3	12.1	12.0	7.7	4.8	3.3	1.1	1.8	0.7	6.6	13.3	0.7
21	-0.7	-1.7	-2.1	-2.6	-3.3	-3.3	-3.0	-1.9	1.3	4.5	10.4	12.6	12.0	11.9	10.7	9.5	9.1	8.4	6.9	6.3	4.9	2.3	3.3	3.5	4.1	12.6	-3.3
22	3.7	3.0	2.4	2.5	1.3	0.0	-1.3	0.4	3.5	4.8	6.0	7.5	8.8	9.5	10.5	11.1	10.7	9.7	8.2	4.6	3.0	2.8	2.9	2.7	4.9	11.1	-1.3
23	1.8	2.9	1.3	-0.8	-0.9	-1.2	-0.6	0.0	2.2	7.3	9.3	9.7	8.7	7.6	5.1	1.7	0.5	0.5	0.3	-0.3	-1.0	-1.3	-1.0	-0.9	2.1	9.7	-1.3
24	-1.9	-2.7	-2.4	-2.2	-1.5	-1.6	-2.7	-2.6	-0.7	0.2	1.5	2.8	3.9	3.4	3.5	4.0	3.5	1.7	0.7	-0.3	-0.9	-1.2	-1.5	-1.8	0.0	4.0	-2.7
25	-2.1	-2.3	-2.4	-2.6	-2.3	-2.2	-2.7	-2.0	-0.8	0.5	1.3	2.4	3.5	3.7	4.1	3.8	2.8	2.3	2.0	2.2	2.2	2.6	2.4	2.2	0.8	4.1	-2.7
26	2.0	1.1	0.6	0.7	0.8	1.3	1.4	1.7	2.3	4.3	6.5	7.7	9.2	10.3	10.7	11.5	11.7	10.3	8.1	6.3	4.5	1.8	0.5	-0.9	4.8	11.7	-0.9
27	-1.7	-2.2	-2.7	-2.8	-3.3	-3.5	-4.1	-1.9	3.3	10.3	13.0	14.5	15.2	16.3	16.7	17.2	16.9	15.9	12.4	7.0	4.8	1.5	0.3	0.2	6.0	17.2	-4.1
28	-1.5	-1.6	-2.6	-3.1	-3.3	-2.5	-1.7	1.9	13.3	10.6	6.6	3.3	5.7	6.5	6.8	6.1	6.1	4.8	3.2	0.8	0.7	0.4	-1.7	-2.5	2.3	13.3	-3.3
29	-4.0	-5.0	-4.6	-4.6	-4.8	-1.7	-2.2	-0.2	2.4	2.9	4.2	6.1	7.9	8.7	9.8	10.1	9.4	8.9	8.3	7.7	7.2	6.9	6.7	6.4	3.6	10.1	-5.0
30	6.4	5.6	3.8	2.1	-0.3	-0.9	-2.1	-1.0	4.9	10.0	11.1	11.7	12.8	13.8	14.4	14.8	14.1	14.5	11.4	7.1	5.7	4.3	3.4	1.8	7.1	14.8	-2.1
31	1.2	0.5	-0.6	-1.0	-0.4	-1.1	-1.6	1.7	8.5	13.5	14.5	14.9	15.4	17.2	17.4	14.2	12.4	12.0	9.5	7.2	6.2	3.8	2.3	1.6	7.1	17.4	-1.6
Avg	-3.3	-3.7	-4.2	-4.5	-4.8	-5.1	-5.7	-4.9	-2.3	0.5	3.2	4.7	5.5	6.0	6.3	6.3	6.1	5.3	3.5	1.7	0.5	-0.6	-1.3	-1.9	0.3	7.6	-6.6
Max	9.6	10.6	8.6	8.3	5.3	5.2	4.2	7.7	13.3	13.5	14.5	14.9	15.4	17.2	17.4	17.2	16.9	15.9	12.4	10.4	10.7	11.2	11.4	10.8	9.2	17.4	4.2
Min	-24.8	-25.0	-25.7	-25.3	-24.8	-25.2	-26.3	-26.7	-25.5	-21.3	-16.7	-15.5	-14.4	-13.3	-12.5	-11.9	-12.0	-12.6	-14.1	-16.2	-17.7	-20.4	-22.3	-23.3	-16.6	-11.9	-26.7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
January 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.31	1.59	0.98	1.77	1.71	1.41	1.57	1.42	1.68	2.38	1.05	1.94	1.68	1.40	1.56	1.39	1.57	1.44	1.55	1.18	1.55	1.51	1.24	1.37	1.51	2.38	0.98
2	1.54	1.46	1.40	1.67	1.58	1.61	1.69	1.78	2.23	0.96	0.73	0.36	0.66	0.83	0.17	0.18	0.14	0.10	0.02	0.01	0.01	-0.01	-0.05	-0.05	0.79	2.23	-0.05
3	-0.02	0.02	0.11	0.13	-0.10	-0.10	0.02	-0.09	-0.10	-0.13	-0.14	-0.21	-0.17	-0.17	-0.21	-0.07	0.11	-0.10	-0.12	-0.10	-0.16	-0.11	-0.12	-0.12	-0.08	0.13	-0.21
4	-0.12	-0.11	-0.10	-0.11	-0.11	-0.12	-0.11	-0.10	-0.11	-0.13	-0.15	-0.11	-0.13	-0.14	-0.12	-0.11	-0.12	-0.12	-0.11	-0.11	-0.11	-0.12	-0.11	0.10	-0.11	0.10	-0.15
5	0.39	0.23	0.10	0.55	0.39	0.31	0.11	0.04	0.07	0.07	0.08	0.04	0.02	-0.04	-0.05	0.00	0.05	-0.04	0.01	-0.04	0.00	-0.03	0.03	0.31	0.11	0.55	-0.05
6	0.14	0.24	0.16	0.21	0.21	0.21	0.23	0.33	0.46	0.53	0.52	0.38	-0.16	-0.15	-0.19	-0.19	-0.20	-0.18	-0.21	-0.20	-0.22	-0.19	-0.21	-0.23	0.05	0.53	-0.23
7	-0.19	-0.21	-0.19	-0.14	-0.13	0.02	0.15	0.51	1.01	1.11	0.43	0.43	0.38	0.42	0.51	0.72	1.03	1.10	1.45	1.12	1.10	1.27	1.15	1.94	0.62	1.94	-0.21
8	1.73	1.83	1.44	1.69	2.53	2.03	0.04	-0.04	-0.04	0.13	0.02	-0.06	-0.07	-0.12	-0.13	-0.10	-0.10	-0.07	0.26	1.21	1.81	2.07	1.36	1.45	0.79	2.53	-0.13
9	2.91	3.11	2.11	1.77	2.40	2.01	2.71	2.56	1.98	2.22	1.13	0.49	0.57	1.03	1.54	1.72	2.10	1.74	1.74	1.66	1.54	1.53	1.64	1.49	1.82	3.11	0.49
10	1.65	1.75	1.99	1.70	2.00	1.97	1.93	2.29	1.54	1.32	0.64	0.52	0.55	1.27	1.48	0.99	1.11	0.60	0.41	0.39	0.05	0.14	0.04	0.02	1.10	2.29	0.02
11	0.00	0.00	0.06	0.07	0.21	0.20	0.12	0.09	0.13	0.19	-0.05	0.05	-0.15	-0.04	0.11	0.15	0.44	0.03	0.00	0.00	0.00	0.03	0.21	0.19	0.09	0.44	-0.15
12	0.04	0.44	1.29	1.12	1.26	1.42	1.83	2.23	1.74	1.65	0.32	0.09	0.01	0.17	0.02	0.11	0.29	0.74	1.42	1.36	1.54	2.36	2.69	2.12	1.09	2.69	0.01
13	1.73	2.19	2.36	2.17	2.08	2.32	3.16	2.63	2.39	2.51	2.68	1.84	1.62	1.52	2.24	2.00	1.62	2.00	2.01	1.72	1.39	1.63	1.69	1.72	2.05	3.16	1.39
14	1.88	2.31	2.50	2.84	2.88	2.70	2.57	2.29	1.77	2.12	2.03	1.77	1.96	2.61	1.29	1.36	1.57	1.66	1.87	1.38	1.26	1.32	1.73	1.88	1.98	2.88	1.26
15	1.87	1.99	2.72	2.29	2.39	2.68	2.48	2.39	2.08	1.73	1.68	1.74	1.90	1.91	1.78	2.83	2.08	2.46	2.43	3.22	2.63	2.04	2.50	2.17	2.25	3.22	1.68
16	2.28	1.54	1.15	0.96	0.46	1.09	0.86	1.21	2.04	2.51	0.68	0.55	0.25	0.37	0.31	0.26	0.44	0.52	0.52	0.42	0.34	0.40	0.44	1.34	0.87	2.51	0.25
17	0.82	0.74	0.60	0.57	0.91	0.91	2.09	2.48	0.78	0.56	0.58	0.73	1.14	1.30	0.59	0.79	0.93	1.58	1.36	0.67	0.36	0.65	0.45	0.37	0.92	2.48	0.36
18	0.38	0.41	0.35	0.33	0.31	0.35	0.39	0.24	0.13	0.41	0.35	0.60	0.57	0.44	0.39	0.30	0.33	0.40	0.50	0.70	0.53	0.47	0.40	0.33	0.40	0.70	0.13
19	0.35	0.39	0.29	0.35	0.37	0.34	0.32	0.51	1.02	0.62	0.40	0.27	0.15	0.11	0.14	0.19	0.24	0.23	0.29	0.18	0.42	0.82	0.57	0.95	0.40	1.02	0.11
20	0.61	0.58	0.36	0.34	0.82	0.45	0.24	0.10	0.12	0.13	0.11	0.22	0.14	0.11	0.19	0.20	0.87	0.95	0.86	0.69	0.96	0.43	0.01	0.43	0.41	0.96	0.01
21	2.80	2.42	1.89	1.83	1.80	2.14	1.90	2.83	2.59	2.22	2.24	2.11	1.91	2.29	1.80	1.47	1.29	1.71	2.14	2.19	2.39	2.08	1.69	1.62	2.06	2.83	1.29
22	1.71	1.52	2.18	1.75	1.70	1.80	1.91	2.04	1.81	1.35	0.78	1.67	1.56	0.50	0.46	0.43	0.80	1.73	1.68	1.57	0.93	1.46	2.00	0.95	1.43	2.18	0.43
23	0.84	1.14	1.95	0.90	0.63	1.12	1.22	1.42	1.65	2.03	2.96	2.48	0.45	0.32	0.31	0.33	0.81	1.37	2.40	1.58	0.97	1.05	0.77	0.78	1.23	2.96	0.31
24	0.42	0.63	0.33	0.22	0.24	0.26	0.30	0.34	0.43	0.36	0.38	0.48	0.58	0.52	0.51	0.47	0.44	0.53	0.54	1.03	1.16	1.11	1.14	1.00	0.56	1.16	0.22
25	0.43	0.27	0.40	0.34	0.45	0.48	0.64	0.67	0.71	0.74	0.75	0.77	0.91	1.13	1.48	1.36	1.10	1.07	1.14	1.60	1.36	1.41	3.13	1.62	1.00	3.13	0.27
26	1.83	3.14	0.76	0.37	0.58	0.75	1.29	1.02	0.77	0.91	0.57	0.65	0.64	1.47	1.47	0.93	1.00	1.38	1.34	0.89	0.91	0.81	0.97	1.18	1.07	3.14	0.37
27	1.30	1.81	1.30	1.63	1.42	2.14	1.66	1.44	1.47	1.65	1.01	0.39	1.08	0.74	1.35	1.91	1.86	1.21	1.05	0.99	1.41	0.92	0.71	1.31	1.32	2.14	0.39
28	1.40	1.24	1.06	1.64	1.70	1.53	1.15	1.81	1.93	0.87	0.65	0.48	0.36	0.42	0.46	0.45	0.32	0.36	0.48	0.63	0.58	0.85	1.15	1.03	0.94	1.93	0.32
29	1.58	1.85	1.82	0.96	1.32	1.46	2.06	2.72	1.71	1.36	0.58	0.29	0.33	-0.02	-0.18	0.02	0.93	0.98	1.06	1.76	1.40	1.54	1.73	1.80	1.21	2.72	-0.18
30	1.62	1.91	1.70	1.81	1.90	1.81	1.94	1.67	1.57	1.50	0.79	0.51	0.73	-0.24	0.61	1.17	0.97	1.01	0.89	2.48	1.45	1.97	1.69	2.03	1.40	2.48	-0.24
31	1.79	1.79	1.54	1.59	1.81	1.19	1.09	1.04	1.24	0.57	0.21	0.08	0.09	0.01	0.02	0.10	0.06	0.26	0.13	-0.06	-0.11	-0.10	-0.06	0.00	0.60	1.81	-0.11
Avg	1.13	1.23	1.12	1.07	1.15	1.18	1.21	1.29	1.19	1.11	0.77	0.70	0.63	0.64	0.64	0.69	0.78	0.86	0.94	0.97	0.89	0.95	0.99	1.00	0.96	2.01	0.28
Max	2.91	3.14	2.72	2.84	2.88	2.70	3.16	2.83	2.59	2.51	2.96	2.48	1.96	2.61	2.24	2.83	2.10	2.46	2.43	3.22	2.63	2.36	3.13	2.17	2.25	3.22	1.68
Min	-0.19	-0.21	-0.19	-0.14	-0.13	-0.12	-0.11	-0.10	-0.11	-0.13	-0.15	-0.21	-0.17	-0.24	-0.21	-0.19	-0.20	-0.18	-0.21	-0.20	-0.22	-0.19	-0.21	-0.23	-0.11	0.10	-0.24

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
February 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.31	0.59	0.37	0.37	0.33	0.61	0.65	0.93	0.83	0.64	0.10	0.17	1.05	0.01	0.12	0.03	0.02	0.03	0.05	-0.01	-0.03	0.02	0.10	0.10	0.31	1.05	-0.03
2	0.01	0.27	0.15	0.14	0.12	0.15	0.17	0.26	0.66	0.64	0.28	0.15	0.16	0.60	0.47	0.34	0.41	0.38	0.20	0.24	0.27	0.40	0.46	0.25	0.30	0.66	0.01
3	0.20	0.17	0.17	0.16	0.17	0.17	0.18	0.26	0.19	0.17	0.15	0.23	0.22	0.27	0.22	0.40	0.66	0.23	-0.08	-0.16	-0.12	-0.09	-0.06	-0.09	0.15	0.66	-0.16
4	-0.07	-0.07	-0.03	0.16	0.39	0.84	0.67	0.79	1.02	-0.07	-0.11	-0.20	0.06	0.53	0.36	0.25	0.51	1.18	0.68	0.24	0.01	-0.02	0.05	0.08	0.30	1.18	-0.20
5	0.21	0.25	0.40	0.57	0.49	0.30	0.28	0.48	0.16	0.13	0.14	0.42	0.64	0.60	0.63	0.72	0.51	0.39	0.63	1.65	2.26	1.07	1.17	1.70	0.66	2.26	0.13
6	1.20	1.39	1.28	1.77	1.37	0.83	1.08	0.94	1.23	1.38	1.50	1.18	1.02	1.44	1.19	1.31	1.66	1.27	1.32	1.27	1.22	1.39	1.26	1.09	1.27	1.77	0.83
7	1.10	1.05	1.14	1.05	0.97	0.92	0.68	0.72	0.52	0.59	0.53	0.64	0.69	0.61	0.66	0.91	0.73	0.61	0.60	0.60	0.58	0.63	0.48	0.49	0.73	1.14	0.48
8	0.52	1.06	0.62	0.45	0.50	0.54	0.36	0.57	0.48	0.41	0.35	0.41	0.45	0.46	0.49	0.59	1.34	1.25	0.34	0.32	0.22	0.28	0.62	0.46	0.55	1.34	0.22
9	0.86	0.86	0.31	0.54	0.72	0.50	0.40	1.25	1.06	0.50	0.12	-0.03	-0.15	0.12	0.04	0.35	0.56	0.99	0.63	0.61	0.55	0.46	0.39	0.39	0.50	1.25	-0.15
10	0.31	0.19	0.15	0.18	0.17	0.21	0.21	0.18	0.07	-0.02	0.01	-0.01	-0.02	0.06	0.03	-0.04	0.17	0.17	0.35	0.29	0.24	0.36	0.50	0.47	0.18	0.50	-0.04
11	0.24	0.59	1.03	1.04	1.04	0.70	0.71	1.06	0.37	-0.21	0.00	-0.17	-0.09	0.05	0.18	0.26	0.60	0.87	0.66	0.24	0.47	0.43	0.59	0.36	0.46	1.06	-0.21
12	0.26	1.07	1.10	0.80	1.27	1.40	1.52	1.91	1.17	0.43	0.20	0.39	0.43	0.36	0.35	0.49	0.49	0.69	0.77	0.58	0.42	0.57	0.52	0.47	0.74	1.91	0.20
13	0.30	0.70	0.34	0.52	0.72	0.69	0.76	0.57	0.30	-0.23	0.30	-0.02	0.29	0.39	0.50	0.50	0.31	1.28	0.66	0.28	0.51	0.53	0.39	0.61	0.47	1.28	-0.23
14	0.71	0.99	0.87	0.81	0.52	0.31	0.44	0.46	0.62	0.53	0.48	0.17	0.43	0.69	0.54	0.57	0.37	0.41	0.73	0.58	0.53	0.31	0.11	0.33	0.52	0.99	0.11
15	0.13	0.00	0.04	0.09	0.45	0.50	0.33	0.22	-0.08	-0.22	-0.23	-0.24	-0.34	-0.26	-0.17	-0.12	0.57	0.42	0.78	0.66	0.92	0.61	0.25	0.05	0.18	0.92	-0.34
16	0.01	0.40	0.42	0.23	0.06	0.02	0.03	0.04	-0.08	-0.15	-0.23	-0.24	-0.24	-0.17	-0.13	-0.07	0.13	0.23	0.22	0.20	0.14	0.27	0.29	0.12	0.06	0.42	-0.24
17	0.10	0.16	0.02	0.01	0.00	0.10	0.20	0.10	0.44	-0.16	-0.48	-0.15	-0.33	-0.33	-0.30	-0.13	0.11	0.34	0.79	0.67	0.78	0.77	0.37	0.68	0.16	0.79	-0.48
18	0.50	0.55	0.86	0.13	0.01	-0.02	0.10	0.45	0.35	-0.12	0.08	-0.43	-0.25	-0.02	-0.08	-0.05	0.51	0.86	0.64	0.72	0.21	0.18	1.12	0.89	0.30	1.12	-0.43
19	0.62	1.21	1.76	1.74	2.31	1.68	1.81	2.00	1.29	0.36	0.11	-0.05	-0.06	0.05	0.13	0.18	0.44	1.00	0.73	0.75	0.91	0.54	0.25	0.15	0.83	2.31	-0.06
20	0.02	0.06	0.30	0.16	0.08	0.07	0.39	0.34	0.00	0.02	0.00	-0.17	-0.02	-0.09	0.17	-0.01	-0.07	-0.05	0.16	0.10	0.17	0.16	0.30	0.26	0.10	0.39	-0.17
21	0.15	0.19	0.13	0.09	0.10	0.16	0.19	0.24	0.03	0.01	-0.33	-0.30	-0.13	0.01	0.00	0.00	0.00	0.11	0.47	0.51	0.63	1.58	1.39	1.13	0.26	1.58	-0.33
22	0.78	0.79	1.26	1.13	1.06	1.46	1.23	1.47	0.34	-0.14	0.13	-0.23	-0.37	-0.44	-0.28	-0.18	0.27	1.05	1.16	0.75	0.75	1.14	1.16	1.07	0.64	1.47	-0.44
23	1.73	1.23	1.42	1.61	1.78	1.77	1.97	1.82	0.46	0.49	0.15	-0.35	-0.27	-0.35	-0.30	-0.12	0.28	1.12	0.58	0.48	0.44	0.27	0.30	0.80	0.72	1.97	-0.35
24	0.53	1.11	1.54	1.41	1.32	0.93	1.18	1.42	0.82	0.27	0.22	-0.10	0.00	0.13	0.13	0.16	0.42	0.55	0.80	0.42	0.06	0.05	0.04	0.06	0.56	1.54	-0.10
25	0.06	0.11	0.09	0.00	-0.01	0.06	0.02	0.00	0.00	-0.09	-0.16	-0.08	-0.14	-0.11	-0.30	-0.16	0.23	0.10	0.08	0.04	0.10	0.27	0.29	0.11	0.02	0.29	-0.30
26	0.11	0.40	0.29	0.20	0.21	0.23	0.20	0.24	0.08	-0.17	-0.28	-0.29	-0.39	-0.49	-0.49	-0.25	0.02	0.23	0.50	0.49	1.09	0.91	1.25	1.01	0.21	1.25	-0.49
27	0.97	0.91	0.90	1.38	1.22	1.39	1.15	0.69	0.42	-0.03	0.23	-0.25	-0.34	-0.23	-0.20	-0.11	0.04	0.41	0.40	0.64	0.72	1.04	1.58	1.50	0.60	1.58	-0.34
28	0.54	0.76	0.42	1.12	0.65	0.73	1.12	0.86	0.44	0.11	0.16	-0.29	-0.34	-0.39	-0.27	-0.17	0.09	0.40	0.64	1.52	1.24	0.82	0.82	0.68	0.49	1.52	-0.39
Avg	0.44	0.61	0.62	0.64	0.64	0.62	0.64	0.72	0.47	0.18	0.12	0.01	0.07	0.12	0.13	0.20	0.41	0.59	0.55	0.52	0.55	0.53	0.57	0.54	0.44	1.22	-0.12
Max	1.73	1.39	1.76	1.77	2.31	1.77	1.97	2.00	1.29	1.38	1.50	1.18	1.05	1.44	1.19	1.31	1.66	1.28	1.32	1.65	2.26	1.58	1.58	1.70	1.27	2.31	0.83
Min	-0.07	-0.07	-0.03	0.00	-0.01	-0.02	0.02	0.00	-0.08	-0.23	-0.48	-0.43	-0.39	-0.49	-0.49	-0.25	-0.07	-0.05	-0.08	-0.16	-0.12	-0.09	-0.06	-0.09	0.02	0.29	-0.49

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
March 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.18	0.06	0.50	0.68	0.83	1.10	0.45	0.79	1.19	-0.16	0.35	0.13	-0.47	-0.41	-0.22	-0.31	0.13	0.69	0.92	0.48	0.69	0.67	0.85	1.58	0.45	1.58	-0.47
2	2.11	1.67	1.55	1.78	1.42	1.44	1.39	1.48	0.34	0.30	0.28	-0.08	-0.11	-0.11	-0.06	-0.02	0.02	0.10	0.01	-0.03	-0.05	-0.04	-0.05	-0.06	0.55	2.11	-0.11
3	-0.05	-0.03	-0.01	-0.01	-0.02	0.17	0.51	0.74	0.21	-0.05	-0.29	-0.34	-0.40	-0.38	-0.33	-0.09	0.11	0.42	0.83	0.99	1.10	1.39	1.46	1.45	0.31	1.46	-0.40
4	0.97	0.73	0.72	0.98	0.84	0.80	0.96	1.24	0.51	0.08	0.52	-0.30	-0.32	-0.28	-0.13	-0.10	0.15	0.26	1.04	1.61	1.04	1.39	1.08	1.50	0.64	1.61	-0.32
5	1.49	1.54	1.36	1.25	1.60	1.23	1.89	1.22	0.37	0.57	0.78	0.03	0.12	0.12	0.13	0.15	0.23	0.49	1.22	1.34	1.42	1.46	1.64	2.66	1.01	2.66	0.03
6	1.57	1.67	0.99	1.03	0.96	0.73	1.56	0.72	1.19	0.38	0.16	0.24	0.34	0.46	0.50	0.49	0.57	0.75	0.72	1.07	1.42	0.85	0.36	0.47	0.80	1.67	0.16
7	0.54	0.76	1.00	1.07	0.74	1.05	1.25	1.02	0.20	0.80	0.37	0.20	0.33	0.37	0.27	0.36	0.62	0.83	0.76	0.56	0.61	0.50	0.30	0.14	0.61	1.25	0.14
8	0.36	0.58	1.36	1.14	1.08	0.90	0.87	0.60	0.07	0.48	-0.02	0.01	0.04	0.18	0.15	0.22	0.38	0.62	0.70	0.93	0.76	0.91	1.02	0.49	0.58	1.36	-0.02
9	0.87	0.86	0.70	0.70	0.79	0.79	0.78	0.48	0.17	0.24	-0.05	0.06	0.25	0.28	0.33	0.33	0.69	1.00	1.30	1.51	0.90	0.35	0.29	0.56	0.59	1.51	-0.05
10	0.88	0.73	0.46	1.03	1.04	0.77	0.72	0.47	-0.14	-0.31	-0.18	0.10	0.23	0.31	0.28	0.44	0.91	0.69	1.43	0.41	0.24	0.44	0.43	1.04	0.52	1.43	-0.31
11	0.87	0.91	0.92	0.93	0.71	0.96	1.00	1.00	0.39	0.45	Au	Au	Au	Au	Au	Au	0.92	1.36	0.90	1.01	1.19	1.11	1.33	0.79	0.93	1.36	0.39
12	0.69	0.81	1.57	1.25	0.67	0.51	0.54	0.44	0.00	0.14	0.17	0.06	-0.02	0.12	0.36	0.35	0.44	0.59	1.11	1.26	0.74	0.63	0.26	0.30	0.54	1.57	-0.02
13	0.46	0.49	0.39	0.25	0.25	0.36	0.38	-0.06	-0.18	-0.32	-0.53	-0.33	-0.37	-0.37	-0.28	-0.13	-0.05	0.19	0.86	0.29	0.76	0.62	0.54	0.38	0.15	0.86	-0.53
14	0.92	1.33	0.88	2.15	1.45	1.64	1.03	0.62	0.51	0.16	-0.01	-0.20	-0.08	0.00	0.12	0.38	0.47	0.67	0.68	0.60	0.52	0.59	0.59	0.60	0.65	2.15	-0.20
15	0.77	0.70	0.72	0.89	2.45	2.24	1.84	1.39	0.55	0.33	0.28	0.31	0.45	0.42	0.33	0.16	0.32	0.56	1.12	1.78	1.05	0.56	0.70	1.14	0.88	2.45	0.16
16	1.40	1.00	0.84	0.60	0.37	0.33	0.12	-0.04	-0.26	-0.49	-0.58	-0.68	-0.89	-0.91	-0.49	-0.53	-0.43	-0.26	-0.13	-0.11	-0.11	-0.07	-0.10	-0.11	-0.06	1.40	-0.91
17	-0.10	-0.09	-0.10	-0.11	-0.16	-0.13	-0.10	-0.15	-0.25	-0.43	-0.61	-0.50	-0.36	-0.28	-0.29	-0.33	-0.20	-0.10	0.00	0.07	0.00	0.00	0.02	-0.02	-0.18	0.07	-0.61
18	0.02	0.00	0.00	0.05	0.21	0.17	0.25	0.26	0.21	0.27	0.21	-0.04	-0.17	-0.30	-0.21	-0.14	-0.15	-0.05	0.12	0.27	0.20	0.20	0.16	0.17	0.07	0.27	-0.30
19	0.17	0.15	0.15	0.17	0.32	0.52	0.60	-0.11	-0.33	-0.42	-0.73	-0.83	-0.82	-0.87	-0.81	-0.54	-0.13	0.24	0.52	0.68	0.61	0.92	0.89	0.58	0.04	0.92	-0.87
20	0.61	0.68	0.66	1.05	1.47	1.86	1.51	1.39	-0.17	-0.51	-0.72	-0.84	-0.94	-0.91	-0.81	-0.60	-0.03	0.10	0.33	0.36	0.29	0.68	0.25	0.70	0.27	1.86	-0.94
21	1.14	0.81	0.92	0.77	0.92	1.00	0.88	0.44	-0.12	-0.29	-0.40	-0.60	-0.51	-0.61	-0.19	-0.25	-0.14	0.00	0.47	0.54	0.97	1.11	0.69	0.67	0.34	1.14	-0.61
22	0.53	0.64	0.48	0.45	0.83	1.07	0.84	0.23	-0.37	-0.72	-0.91	-0.97	-1.10	-1.07	-0.97	-0.80	-0.39	0.14	0.80	1.16	0.33	0.40	0.62	0.54	0.07	1.16	-1.10
23	1.11	0.73	0.81	2.24	1.52	1.21	0.68	0.78	0.02	-0.37	-0.66	-0.63	-0.55	-0.38	-0.08	0.01	0.00	0.03	0.11	0.36	0.46	0.49	0.89	0.38	0.38	2.24	-0.66
24	0.68	0.63	0.42	0.38	0.24	0.15	0.75	0.25	-0.23	-0.35	-0.57	-0.68	-0.96	-0.62	-0.66	-0.77	-0.53	-0.18	-0.05	-0.02	-0.01	0.08	0.05	-0.02	-0.08	0.75	-0.96
25	0.05	-0.02	0.01	0.07	0.01	0.02	0.25	-0.08	-0.19	-0.50	-0.51	-0.64	-0.76	-0.66	-0.60	-0.50	-0.24	-0.12	0.05	0.21	0.10	0.17	0.24	0.28	-0.14	0.28	-0.76
26	0.21	0.09	0.06	0.06	0.06	0.15	0.18	0.09	-0.07	-0.19	-0.41	-0.46	-0.91	-0.84	-0.78	-0.74	-0.73	-0.27	0.19	0.33	0.73	1.11	0.34	0.40	-0.06	1.11	-0.91
27	0.63	0.67	0.65	0.56	0.79	0.96	1.12	-0.11	-0.29	-0.56	-0.83	-1.03	-0.99	-1.14	-0.97	-0.93	-0.63	-0.01	1.26	1.42	0.23	1.26	1.11	1.07	0.18	1.42	-1.14
28	1.33	1.32	1.73	1.58	1.40	1.10	1.55	0.99	0.31	0.21	-0.03	-0.04	-0.77	-0.83	-0.59	-0.34	-0.25	-0.06	0.02	0.04	0.19	0.73	1.23	1.40	0.51	1.73	-0.83
29	1.63	2.22	2.13	2.45	2.48	1.54	1.70	0.54	0.15	-0.03	-0.43	-0.70	-1.17	-1.26	-1.11	-0.71	-0.23	0.11	0.26	0.25	0.24	0.19	0.15	0.24	0.44	2.48	-1.26
30	0.27	0.61	1.32	0.85	1.43	0.23	0.72	0.26	-0.39	-1.01	-1.18	-1.17	-1.21	-1.29	-1.17	-0.87	-0.35	-0.22	1.02	0.26	0.19	0.25	0.28	0.68	-0.02	1.43	-1.29
31	0.70	0.85	1.13	1.28	0.76	1.02	0.84	0.27	-0.12	-0.25	-0.38	-0.37	-0.44	-0.76	-0.65	-0.17	-0.02	-0.11	0.26	0.65	0.28	0.18	0.11	0.08	0.21	1.28	-0.76
Avg	0.74	0.75	0.78	0.89	0.89	0.84	0.87	0.55	0.11	-0.08	-0.23	-0.34	-0.42	-0.40	-0.30	-0.20	0.05	0.27	0.61	0.65	0.55	0.62	0.57	0.65	0.36	1.44	-0.50
Max	2.11	2.22	2.13	2.45	2.48	2.24	1.89	1.48	1.19	0.80	0.78	0.31	0.45	0.46	0.50	0.49	0.92	1.36	1.43	1.78	1.42	1.46	1.64	2.66	1.01	2.66	0.39
Min	-0.10	-0.09	-0.10	-0.11	-0.16	-0.13	-0.10	-0.15	-0.39	-1.01	-1.18	-1.17	-1.21	-1.29	-1.17	-0.93	-0.73	-0.27	-0.13	-0.11	-0.11	-0.07	-0.10	-0.11	-0.18	0.07	-1.29

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
January 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	0	0	9	162	214	323	374	279	174	142	25	0	0	0	0	0	0	0	71	374	0
2	0	0	0	0	0	0	0	0	10	61	135	140	152	122	51	26	5	0	0	0	0	0	0	0	29	152	0
3	0	0	0	0	0	0	0	0	17	75	131	115	150	128	143	83	15	0	0	0	0	0	0	0	36	150	0
4	0	0	0	0	0	0	0	0	11	42	67	79	126	127	133	59	8	0	0	0	0	0	0	0	27	133	0
5	0	0	0	0	0	0	0	0	6	41	100	195	269	221	194	62	7	0	0	0	0	0	0	0	46	269	0
6	0	0	0	0	0	0	0	0	8	34	68	83	152	141	82	28	5	0	0	0	0	0	0	0	25	152	0
7	0	0	0	0	0	0	0	0	29	163	264	358	356	211	46	17	5	0	0	0	0	0	0	0	60	358	0
8	0	0	0	0	0	0	0	0	19	54	72	93	112	120	105	67	14	0	0	0	0	0	0	0	27	120	0
9	0	0	0	0	0	0	0	1	43	183	298	383	395	330	212	129	27	0	0	0	0	0	0	0	83	395	0
10	0	0	0	0	0	0	0	0	26	97	230	280	265	182	94	33	8	0	0	0	0	0	0	0	51	280	0
11	0	0	0	0	0	0	0	0	13	67	121	168	191	174	245	125	18	0	0	0	0	0	0	0	47	245	0
12	0	0	0	0	0	0	0	0	26	71	124	173	197	168	144	80	22	0	0	0	0	0	0	0	42	197	0
13	0	0	0	0	0	0	0	1	31	141	298	374	408	375	303	189	47	1	0	0	0	0	0	0	90	408	0
14	0	0	0	0	0	0	0	0	35	77	140	289	355	359	307	192	50	1	0	0	0	0	0	0	75	359	0
15	0	0	0	0	0	0	0	2	23	92	244	212	335	227	165	162	64	1	0	0	0	0	0	0	64	335	0
16	0	0	0	0	0	0	0	0	8	66	116	138	111	108	272	133	42	1	0	0	0	0	0	0	41	272	0
17	0	0	0	0	0	0	0	1	63	125	269	288	351	208	135	62	21	0	0	0	0	0	0	0	63	351	0
18	0	0	0	0	0	0	0	0	10	57	202	257	268	192	123	90	21	1	0	0	0	0	0	0	51	268	0
19	0	0	0	0	0	0	0	1	32	179	300	464	426	162	84	48	26	0	0	0	0	0	0	0	72	464	0
20	0	0	0	0	0	0	0	0	30	132	144	273	273	202	191	94	21	1	0	0	0	0	0	0	57	273	0
21	0	0	0	0	0	0	0	0	22	57	170	280	337	384	330	215	76	2	0	0	0	0	0	0	78	384	0
22	0	0	0	0	0	0	0	0	40	168	331	394	391	242	204	132	36	1	0	0	0	0	0	0	81	394	0
23	0	0	0	0	0	0	0	0	39	122	303	409	433	342	273	164	85	3	0	0	0	0	0	0	91	433	0
24	0	0	0	0	0	0	0	0	13	47	134	369	244	224	182	93	27	1	0	0	0	0	0	0	56	369	0
25	0	0	0	0	0	0	0	0	24	56	80	112	169	149	149	99	40	2	0	0	0	0	0	0	37	169	0
26	0	0	0	0	0	0	0	1	15	89	255	312	434	396	348	238	95	2	0	0	0	0	0	0	91	434	0
27	0	0	0	0	0	0	0	3	28	121	187	292	307	285	182	149	82	4	0	0	0	0	0	0	68	307	0
28	0	0	0	0	0	0	0	1	57	153	213	505	285	195	174	117	39	3	0	0	0	0	0	0	73	505	0
29	0	0	0	0	0	0	0	1	38	96	282	425	472	427	364	190	61	5	0	0	0	0	0	0	98	472	0
30	0	0	0	0	0	0	0	1	58	212	344	445	481	460	383	263	117	5	0	0	0	0	0	0	115	481	0
31	0	0	0	0	0	0	0	1	67	116	158	253	389	483	277	83	89	4	0	0	0	0	0	0	80	483	0
Avg	0	0	0	0	0	0	0	0	27	102	193	274	297	246	196	115	39	1	0	0	0	0	0	0	62	322	0
Max	0	0	0	0	0	0	0	3	67	212	344	505	481	483	383	263	117	5	0	0	0	0	0	0	115	505	0
Min	0	0	0	0	0	0	0	0	6	34	67	79	111	108	46	17	5	0	0	0	0	0	0	0	25	120	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
February 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	0	3	60	196	370	381	391	272	161	112	39	2	0	0	0	0	0	0	83	391	0
2	0	0	0	0	0	0	0	2	64	187	354	378	305	206	82	88	82	9	0	0	0	0	0	0	73	378	0
3	0	0	0	0	0	0	0	1	38	86	106	144	135	135	125	93	45	4	0	0	0	0	0	0	38	144	0
4	0	0	0	0	0	0	0	4	35	99	167	317	355	338	175	118	68	5	0	0	0	0	0	0	70	355	0
5	0	0	0	0	0	0	0	0	18	34	88	374	175	89	100	71	46	6	0	0	0	0	0	0	42	374	0
6	0	0	0	0	0	0	0	2	60	268	279	266	341	479	392	291	80	7	0	0	0	0	0	0	103	479	0
7	0	0	0	0	0	0	0	1	24	49	79	83	127	130	158	104	66	13	0	0	0	0	0	0	35	158	0
8	0	0	0	0	0	0	0	2	42	186	412	481	463	504	419	304	149	13	0	0	0	0	0	0	124	504	0
9	0	0	0	0	0	0	0	2	12	24	57	173	341	199	177	86	41	3	0	0	0	0	0	0	46	341	0
10	0	0	0	0	0	0	0	2	41	149	216	224	237	168	137	197	58	11	0	0	0	0	0	0	60	237	0
11	0	0	0	0	0	0	0	4	100	293	428	460	533	481	392	289	80	10	0	0	0	0	0	0	128	533	0
12	0	0	0	0	0	0	0	4	87	211	394	348	379	273	403	325	158	19	0	0	0	0	0	0	108	403	0
13	0	0	0	0	0	0	0	5	151	298	409	505	539	504	436	294	113	15	0	0	0	0	0	0	136	539	0
14	0	0	0	0	0	0	0	5	49	75	164	365	517	338	212	128	68	20	0	0	0	0	0	0	81	517	0
15	0	0	0	0	0	0	0	7	56	148	259	568	509	165	229	233	71	15	0	0	0	0	0	0	94	568	0
16	0	0	0	0	0	0	0	4	40	85	201	206	247	270	356	235	122	28	0	0	0	0	0	0	75	356	0
17	0	0	0	0	0	0	0	6	121	321	324	377	620	678	497	222	118	43	0	0	0	0	0	0	139	678	0
18	0	0	0	0	0	0	0	8	144	315	458	555	542	376	352	264	145	23	0	0	0	0	0	0	133	555	0
19	0	0	0	0	0	0	0	6	53	180	311	316	377	315	257	180	107	21	0	0	0	0	0	0	88	377	0
20	0	0	0	0	0	0	0	11	98	190	222	330	322	308	174	153	34	4	0	0	0	0	0	0	77	330	0
21	0	0	0	0	0	0	0	10	89	186	338	314	395	312	284	298	181	38	0	0	0	0	0	0	102	395	0
22	0	0	0	0	0	0	0	10	196	351	495	592	626	600	520	394	233	60	0	0	0	0	0	0	170	626	0
23	0	0	0	0	0	0	0	20	214	232	469	476	267	430	449	383	229	42	0	0	0	0	0	0	134	476	0
24	0	0	0	0	0	0	0	21	124	281	469	427	505	330	223	104	92	23	0	0	0	0	0	0	108	505	0
25	0	0	0	0	0	0	0	14	84	253	391	632	751	344	651	347	203	28	0	0	0	0	0	0	154	751	0
26	0	0	0	0	0	0	0	28	179	265	429	629	670	713	716	446	252	76	1	0	0	0	0	0	184	716	0
27	0	0	0	0	0	0	0	31	233	389	471	563	676	530	395	299	139	62	1	0	0	0	0	0	158	676	0
28	0	0	0	0	0	0	0	36	217	388	535	625	660	677	561	433	262	84	1	0	0	0	0	0	187	677	0
Avg	0	0	0	0	0	0	0	9	94	205	318	397	429	363	323	232	117	24	0	0	0	0	0	0	105	466	0
Max	0	0	0	0	0	0	0	36	233	389	535	632	751	713	716	446	262	84	1	0	0	0	0	0	187	751	0
Min	0	0	0	0	0	0	0	0	12	24	57	83	127	89	82	71	34	2	0	0	0	0	0	0	35	144	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
March 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	0	14	166	339	519	636	666	633	556	431	241	44	1	0	0	0	0	0	177	666	0
2	0	0	0	0	0	0	1	52	230	404	549	576	356	247	226	170	132	49	1	0	0	0	0	0	125	576	0
3	0	0	0	0	0	0	0	46	245	419	556	644	679	652	580	490	276	86	2	0	0	0	0	0	195	679	0
4	0	0	0	0	0	0	1	54	250	420	559	646	679	648	560	443	253	95	2	0	0	0	0	0	192	679	0
5	0	0	0	0	0	0	1	60	246	418	554	630	647	458	280	305	158	82	2	0	0	0	0	0	160	647	0
6	0	0	0	0	0	0	2	67	235	443	558	655	676	636	576	447	280	86	2	0	0	0	0	0	194	676	0
7	0	0	0	0	0	0	2	68	246	356	312	445	671	472	516	450	225	55	5	0	0	0	0	0	159	671	0
8	0	0	0	0	0	0	2	91	277	434	581	663	698	668	580	456	291	113	5	0	0	0	0	0	202	698	0
9	0	0	0	0	0	0	2	98	283	440	577	660	693	669	592	480	255	86	4	0	0	0	0	0	202	693	0
10	0	0	0	0	0	0	3	117	282	449	592	675	707	680	595	466	300	125	4	0	0	0	0	0	208	707	0
11	0	0	0	0	0	0	1	31	83	156	Au	Au	Au	Au	Au	Au	112	34	1	0	0	0	0	0	23	156	0
12	0	0	0	0	0	0	3	55	107	180	280	650	756	555	338	341	193	86	4	0	0	0	0	0	148	756	0
13	0	0	0	0	0	0	4	134	290	468	606	690	724	697	614	475	325	142	9	0	0	0	0	0	216	724	0
14	0	0	0	0	0	0	2	30	102	263	392	515	394	410	365	223	128	43	3	0	0	0	0	0	120	515	0
15	0	0	0	0	0	0	2	30	71	111	152	124	64	66	134	186	99	32	2	0	0	0	0	0	45	186	0
16	0	0	0	0	0	0	3	67	186	421	505	514	585	548	214	244	127	69	6	0	0	0	0	0	145	585	0
17	0	0	0	0	0	0	2	36	98	216	280	206	177	125	145	140	80	32	2	0	0	0	0	0	64	280	0
18	0	0	0	0	0	0	4	39	104	112	274	281	249	307	215	121	92	49	7	0	0	0	0	0	77	307	0
19	0	0	0	0	0	0	9	153	305	399	630	717	747	715	633	457	223	54	2	0	0	0	0	0	210	747	0
20	0	0	0	0	0	0	10	95	342	510	640	729	753	665	616	428	145	85	9	0	0	0	0	0	209	753	0
21	0	0	0	0	0	0	11	141	120	315	483	505	397	446	197	222	161	152	12	0	0	0	0	0	132	505	0
22	0	0	0	0	0	0	18	161	328	501	635	761	768	733	641	509	256	53	10	0	0	0	0	0	224	768	0
23	0	0	0	0	0	0	9	44	257	357	467	410	283	178	92	48	62	41	7	0	0	0	0	0	94	467	0
24	0	0	0	0	0	0	21	186	323	490	646	643	707	305	336	383	240	78	7	0	0	0	0	0	182	707	0
25	0	0	0	0	0	0	12	103	174	350	332	389	421	350	354	267	118	57	10	0	0	0	0	0	122	421	0
26	0	0	0	0	0	0	5	48	97	206	332	325	596	551	460	470	406	152	23	0	0	0	0	0	153	596	0
27	0	0	0	0	0	0	25	202	377	539	655	751	718	741	620	544	376	162	12	0	0	0	0	0	238	751	0
28	0	0	0	0	0	0	43	177	160	73	58	130	573	615	442	228	189	50	7	0	0	0	0	0	114	615	0
29	0	0	0	0	0	0	50	202	318	256	398	568	822	830	693	446	190	73	15	0	0	0	0	0	203	830	0
30	0	0	0	0	0	0	40	122	400	646	753	741	811	789	683	460	192	174	17	0	0	0	0	0	243	811	0
31	0	0	0	0	0	0	23	220	294	253	340	267	332	551	424	144	66	109	7	0	0	0	0	0	126	551	0
Avg	0	0	0	0	0	0	10	95	226	353	474	538	578	531	443	349	200	82	6	0	0	0	0	0	159	604	0
Max	0	0	0	0	0	0	50	220	400	646	753	761	822	830	693	544	406	174	23	0	0	0	0	0	243	830	0
Min	0	0	0	0	0	0	0	14	71	73	58	124	64	66	92	48	62	32	1	0	0	0	0	0	23	156	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
January 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.45	24.45	24.44	24.44	24.44	24.44	24.44	24.44	24.44	24.44	24.43	24.41	24.39	24.36	24.36	24.36	24.37	24.39	24.40	24.40	24.39	24.39	24.39	24.38	24.41	24.45	24.36
2	24.37	24.36	24.35	24.34	24.32	24.31	24.30	24.29	24.29	24.28	24.25	24.22	24.19	24.17	24.16	24.15	24.15	24.14	24.15	24.15	24.15	24.17	24.20	24.22	24.24	24.37	24.14
3	24.25	24.28	24.31	24.33	24.36	24.38	24.40	24.42	24.44	24.46	24.46	24.45	24.43	24.43	24.42	24.43	24.44	24.45	24.47	24.47	24.47	24.48	24.48	24.48	24.42	24.48	24.25
4	24.48	24.47	24.48	24.49	24.48	24.48	24.49	24.50	24.51	24.52	24.53	24.53	24.53	24.54	24.55	24.55	24.55	24.54	24.52	24.50	24.48	24.45	24.41	24.37	24.50	24.55	24.37
5	24.32	24.28	24.24	24.22	24.20	24.20	24.21	24.23	24.27	24.29	24.32	24.35	24.37	24.39	24.41	24.43	24.45	24.47	24.48	24.48	24.50	24.51	24.53	24.53	24.36	24.53	24.20
6	24.54	24.55	24.57	24.58	24.58	24.58	24.58	24.58	24.60	24.61	24.63	24.63	24.63	24.65	24.69	24.72	24.77	24.79	24.82	24.83	24.84	24.85	24.87	24.89	24.68	24.89	24.54
7	24.90	24.90	24.90	24.89	24.88	24.86	24.84	24.83	24.81	24.79	24.76	24.72	24.68	24.62	24.60	24.58	24.54	24.52	24.51	24.51	24.50	24.51	24.52	24.53	24.70	24.90	24.50
8	24.53	24.54	24.54	24.55	24.54	24.55	24.55	24.59	24.64	24.67	24.70	24.73	24.73	24.73	24.73	24.75	24.77	24.78	24.78	24.77	24.75	24.73	24.71	24.68	24.67	24.78	24.53
9	24.65	24.63	24.61	24.59	24.56	24.54	24.52	24.51	24.52	24.53	24.53	24.50	24.45	24.42	24.40	24.39	24.38	24.37	24.36	24.36	24.35	24.35	24.34	24.33	24.47	24.65	24.33
10	24.32	24.32	24.32	24.32	24.31	24.30	24.30	24.31	24.32	24.32	24.31	24.29	24.27	24.25	24.24	24.24	24.23	24.24	24.24	24.24	24.24	24.25	24.26	24.26	24.28	24.32	24.23
11	24.27	24.28	24.29	24.30	24.31	24.32	24.33	24.35	24.38	24.41	24.43	24.43	24.43	24.44	24.45	24.46	24.47	24.49	24.50	24.51	24.52	24.53	24.54	24.53	24.42	24.54	24.27
12	24.54	24.54	24.55	24.55	24.54	24.53	24.52	24.52	24.52	24.54	24.54	24.52	24.49	24.48	24.48	24.48	24.48	24.49	24.50	24.51	24.52	24.53	24.54	24.55	24.52	24.55	24.48
13	24.54	24.53	24.54	24.55	24.57	24.57	24.58	24.59	24.60	24.64	24.65	24.64	24.62	24.60	24.60	24.60	24.61	24.63	24.63	24.62	24.62	24.61	24.61	24.61	24.60	24.65	24.53
14	24.58	24.57	24.57	24.56	24.55	24.55	24.55	24.55	24.55	24.57	24.57	24.55	24.54	24.53	24.54	24.54	24.55	24.57	24.58	24.59	24.59	24.59	24.59	24.59	24.56	24.59	24.53
15	24.59	24.58	24.59	24.58	24.57	24.56	24.56	24.55	24.55	24.54	24.52	24.48	24.46	24.45	24.44	24.42	24.41	24.43	24.45	24.45	24.44	24.43	24.43	24.40	24.49	24.59	24.40
16	24.37	24.35	24.34	24.31	24.29	24.27	24.25	24.22	24.20	24.19	24.19	24.19	24.18	24.17	24.16	24.17	24.20	24.21	24.23	24.26	24.28	24.31	24.34	24.37	24.25	24.37	24.16
17	24.38	24.41	24.43	24.45	24.46	24.48	24.50	24.50	24.51	24.51	24.50	24.48	24.45	24.42	24.40	24.39	24.37	24.35	24.34	24.33	24.33	24.32	24.32	24.32	24.41	24.51	24.32
18	24.32	24.31	24.30	24.30	24.28	24.25	24.25	24.27	24.27	24.27	24.26	24.26	24.25	24.25	24.25	24.27	24.27	24.28	24.30	24.30	24.31	24.32	24.32	24.35	24.28	24.35	24.25
19	24.36	24.36	24.38	24.38	24.38	24.38	24.40	24.41	24.42	24.43	24.45	24.45	24.44	24.43	24.44	24.43	24.43	24.44	24.44	24.45	24.44	24.45	24.46	24.46	24.42	24.46	24.36
20	24.46	24.47	24.48	24.48	24.49	24.49	24.50	24.51	24.53	24.54	24.56	24.55	24.54	24.53	24.52	24.53	24.53	24.55	24.56	24.56	24.56	24.57	24.58	24.58	24.53	24.58	24.46
21	24.58	24.58	24.58	24.58	24.59	24.59	24.59	24.58	24.59	24.61	24.60	24.58	24.57	24.55	24.54	24.52	24.53	24.54	24.54	24.54	24.53	24.52	24.52	24.52	24.56	24.61	24.52
22	24.52	24.52	24.52	24.52	24.52	24.52	24.53	24.53	24.54	24.54	24.53	24.52	24.51	24.50	24.50	24.51	24.51	24.52	24.53	24.53	24.54	24.55	24.57	24.59	24.53	24.59	24.50
23	24.58	24.58	24.58	24.59	24.60	24.59	24.60	24.62	24.63	24.66	24.65	24.64	24.63	24.62	24.62	24.61	24.61	24.60	24.58	24.58	24.55	24.54	24.52	24.52	24.60	24.66	24.52
24	24.50	24.48	24.46	24.47	24.48	24.46	24.46	24.45	24.44	24.46	24.47	24.49	24.49	24.50	24.50	24.52	24.53	24.54	24.55	24.55	24.53	24.52	24.52	24.52	24.50	24.55	24.44
25	24.52	24.51	24.50	24.49	24.48	24.48	24.48	24.47	24.47	24.48	24.49	24.49	24.51	24.52	24.53	24.54	24.54	24.55	24.55	24.56	24.57	24.58	24.57	24.58	24.52	24.58	24.47
26	24.57	24.56	24.55	24.54	24.54	24.54	24.53	24.54	24.54	24.55	24.56	24.55	24.53	24.50	24.48	24.47	24.47	24.46	24.45	24.46	24.45	24.45	24.45	24.45	24.51	24.57	24.45
27	24.45	24.44	24.43	24.42	24.42	24.41	24.39	24.39	24.39	24.40	24.41	24.42	24.40	24.37	24.36	24.35	24.35	24.34	24.34	24.34	24.35	24.35	24.36	24.36	24.39	24.45	24.34
28	24.36	24.37	24.38	24.38	24.40	24.43	24.44	24.46	24.49	24.52	24.54	24.56	24.56	24.56	24.57	24.59	24.61	24.63	24.65	24.66	24.67	24.67	24.69	24.70	24.54	24.70	24.36
29	24.70	24.70	24.71	24.71	24.71	24.71	24.71	24.71	24.71	24.69	24.69	24.69	24.67	24.64	24.63	24.62	24.61	24.60	24.61	24.62	24.62	24.62	24.61	24.62	24.66	24.71	24.60
30	24.61	24.61	24.60	24.59	24.60	24.59	24.59	24.59	24.59	24.57	24.58	24.57	24.56	24.54	24.53	24.51	24.50	24.48	24.47	24.47	24.45	24.44	24.44	24.43	24.54	24.61	24.43
31	24.42	24.40	24.39	24.38	24.38	24.37	24.36	24.37	24.38	24.38	24.38	24.40	24.41	24.42	24.43	24.47	24.48	24.50	24.51	24.51	24.52	24.52	24.52	24.53	24.43	24.53	24.36
Avg	24.48	24.48	24.48	24.48	24.48	24.48	24.48	24.48	24.49	24.50	24.50	24.49	24.48	24.47	24.47	24.47	24.47	24.48	24.49	24.49	24.49	24.49	24.49	24.49	24.48	24.57	24.39
Max	24.90	24.90	24.90	24.89	24.88	24.86	24.84	24.83	24.81	24.79	24.76	24.73	24.73	24.73	24.73	24.75	24.77	24.79	24.82	24.83	24.84	24.85	24.87	24.89	24.70	24.90	24.60
Min	24.25	24.28	24.24	24.22	24.20	24.20	24.21	24.22	24.20	24.19	24.19	24.19	24.18	24.17	24.16	24.15	24.15	24.14	24.15	24.15	24.15	24.17	24.20	24.22	24.24	24.32	24.14

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
February 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.54	24.53	24.54	24.52	24.52	24.52	24.51	24.50	24.49	24.49	24.46	24.43	24.41	24.37	24.34	24.32	24.30	24.29	24.28	24.27	24.25	24.24	24.24	24.24	24.40	24.54	24.24
2	24.24	24.23	24.24	24.26	24.26	24.28	24.29	24.30	24.31	24.33	24.33	24.32	24.30	24.27	24.24	24.20	24.18	24.16	24.16	24.17	24.16	24.15	24.15	24.15	24.24	24.33	24.15
3	24.15	24.15	24.16	24.18	24.19	24.20	24.22	24.23	24.23	24.25	24.26	24.26	24.26	24.25	24.25	24.26	24.26	24.28	24.32	24.35	24.38	24.40	24.42	24.44	24.26	24.44	24.15
4	24.45	24.45	24.45	24.45	24.45	24.45	24.45	24.45	24.45	24.44	24.42	24.42	24.40	24.39	24.37	24.36	24.35	24.34	24.35	24.34	24.34	24.34	24.34	24.32	24.40	24.45	24.32
5	24.32	24.31	24.30	24.29	24.28	24.28	24.27	24.26	24.26	24.25	24.24	24.22	24.20	24.21	24.21	24.21	24.22	24.21	24.22	24.21	24.22	24.22	24.22	24.24	24.24	24.32	24.20
6	24.24	24.22	24.22	24.20	24.19	24.19	24.18	24.16	24.16	24.17	24.17	24.15	24.14	24.13	24.12	24.09	24.08	24.08	24.08	24.10	24.10	24.11	24.12	24.12	24.15	24.24	24.08
7	24.12	24.11	24.11	24.11	24.11	24.10	24.09	24.07	24.07	24.05	24.06	24.05	24.05	24.07	24.09	24.10	24.12	24.15	24.19	24.21	24.22	24.23	24.24	24.25	24.12	24.25	24.05
8	24.27	24.30	24.31	24.33	24.34	24.36	24.37	24.39	24.41	24.42	24.45	24.45	24.45	24.44	24.43	24.44	24.44	24.44	24.44	24.44	24.43	24.42	24.41	24.41	24.40	24.45	24.27
9	24.39	24.37	24.36	24.33	24.30	24.27	24.26	24.23	24.22	24.21	24.23	24.21	24.21	24.21	24.20	24.20	24.21	24.21	24.22	24.23	24.25	24.27	24.28	24.29	24.26	24.39	24.20
10	24.31	24.32	24.32	24.32	24.33	24.35	24.36	24.39	24.41	24.44	24.46	24.48	24.49	24.50	24.52	24.53	24.54	24.56	24.57	24.57	24.59	24.59	24.61	24.63	24.47	24.63	24.31
11	24.62	24.62	24.61	24.62	24.63	24.65	24.65	24.66	24.66	24.68	24.69	24.68	24.66	24.64	24.63	24.63	24.62	24.59	24.59	24.58	24.57	24.57	24.55	24.55	24.62	24.69	24.55
12	24.55	24.55	24.53	24.53	24.53	24.52	24.52	24.53	24.54	24.56	24.57	24.57	24.56	24.56	24.56	24.56	24.57	24.58	24.58	24.58	24.59	24.60	24.58	24.57	24.56	24.60	24.52
13	24.57	24.58	24.58	24.59	24.59	24.61	24.62	24.62	24.62	24.64	24.64	24.64	24.62	24.60	24.59	24.58	24.58	24.57	24.56	24.55	24.55	24.52	24.52	24.50	24.58	24.64	24.50
14	24.49	24.47	24.46	24.45	24.43	24.43	24.42	24.42	24.43	24.44	24.45	24.46	24.44	24.43	24.43	24.44	24.45	24.47	24.48	24.48	24.48	24.48	24.48	24.48	24.45	24.49	24.42
15	24.49	24.50	24.52	24.52	24.53	24.53	24.54	24.53	24.54	24.56	24.57	24.57	24.54	24.52	24.51	24.51	24.50	24.49	24.50	24.51	24.52	24.52	24.52	24.52	24.52	24.57	24.49
16	24.54	24.54	24.56	24.56	24.57	24.57	24.58	24.59	24.61	24.62	24.62	24.62	24.60	24.59	24.59	24.59	24.59	24.59	24.59	24.58	24.57	24.57	24.57	24.56	24.58	24.62	24.54
17	24.55	24.54	24.54	24.54	24.53	24.54	24.53	24.53	24.52	24.52	24.52	24.50	24.49	24.47	24.46	24.44	24.42	24.41	24.40	24.41	24.41	24.42	24.43	24.43	24.48	24.55	24.40
18	24.44	24.45	24.46	24.46	24.46	24.47	24.47	24.48	24.49	24.50	24.50	24.50	24.49	24.46	24.45	24.43	24.42	24.41	24.40	24.39	24.38	24.37	24.38	24.37	24.44	24.50	24.37
19	24.37	24.36	24.35	24.34	24.36	24.37	24.36	24.36	24.37	24.37	24.38	24.38	24.37	24.35	24.33	24.33	24.32	24.32	24.32	24.31	24.30	24.30	24.29	24.28	24.34	24.38	24.28
20	24.27	24.27	24.28	24.27	24.27	24.28	24.29	24.30	24.31	24.32	24.33	24.34	24.33	24.32	24.31	24.31	24.31	24.31	24.31	24.31	24.32	24.34	24.35	24.36	24.31	24.36	24.27
21	24.37	24.40	24.42	24.43	24.44	24.45	24.46	24.48	24.50	24.50	24.51	24.52	24.52	24.53	24.54	24.55	24.57	24.60	24.63	24.64	24.65	24.66	24.66	24.65	24.53	24.66	24.37
22	24.65	24.64	24.63	24.62	24.61	24.61	24.60	24.59	24.63	24.64	24.62	24.62	24.61	24.59	24.58	24.58	24.58	24.59	24.62	24.63	24.64	24.64	24.63	24.62	24.62	24.65	24.58
23	24.62	24.61	24.60	24.59	24.58	24.57	24.57	24.56	24.58	24.58	24.58	24.57	24.56	24.55	24.55	24.55	24.54	24.54	24.55	24.56	24.56	24.57	24.56	24.56	24.57	24.62	24.54
24	24.56	24.56	24.55	24.54	24.53	24.52	24.50	24.48	24.46	24.43	24.42	24.39	24.38	24.35	24.35	24.34	24.32	24.30	24.29	24.29	24.30	24.31	24.30	24.31	24.41	24.56	24.29
25	24.32	24.34	24.35	24.37	24.39	24.41	24.43	24.44	24.47	24.51	24.53	24.53	24.54	24.53	24.53	24.52	24.52	24.53	24.53	24.54	24.54	24.54	24.54	24.53	24.48	24.54	24.32
26	24.52	24.52	24.52	24.51	24.50	24.50	24.50	24.50	24.51	24.50	24.50	24.48	24.46	24.44	24.42	24.42	24.42	24.41	24.41	24.40	24.38	24.36	24.34	24.32	24.45	24.52	24.32
27	24.30	24.28	24.26	24.24	24.22	24.22	24.20	24.20	24.23	24.22	24.23	24.23	24.22	24.21	24.22	24.23	24.25	24.26	24.28	24.29	24.30	24.31	24.32	24.32	24.25	24.32	24.20
28	24.32	24.32	24.32	24.32	24.32	24.33	24.34	24.35	24.37	24.37	24.36	24.36	24.36	24.35	24.35	24.36	24.37	24.39	24.41	24.42	24.43	24.45	24.46	24.47	24.37	24.47	24.32
Avg	24.41	24.41	24.41	24.41	24.41	24.41	24.41	24.41	24.42	24.43	24.43	24.43	24.42	24.40	24.40	24.40	24.39	24.40	24.40	24.41	24.41	24.41	24.41	24.41	24.41	24.49	24.33
Max	24.65	24.64	24.63	24.62	24.63	24.65	24.65	24.66	24.66	24.68	24.69	24.68	24.66	24.64	24.63	24.63	24.62	24.60	24.63	24.64	24.65	24.66	24.66	24.65	24.62	24.69	24.58
Min	24.12	24.11	24.11	24.11	24.11	24.10	24.09	24.07	24.07	24.05	24.06	24.05	24.05	24.07	24.09	24.09	24.08	24.08	24.08	24.10	24.10	24.11	24.12	24.12	24.12	24.24	24.05

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
March 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.48	24.49	24.50	24.50	24.50	24.51	24.51	24.52	24.53	24.52	24.52	24.51	24.50	24.47	24.44	24.42	24.39	24.37	24.36	24.35	24.34	24.33	24.32	24.30	24.45	24.53	24.30
2	24.29	24.27	24.26	24.24	24.22	24.22	24.22	24.21	24.20	24.20	24.19	24.19	24.18	24.17	24.17	24.17	24.16	24.17	24.21	24.24	24.24	24.26	24.30	24.32	24.22	24.32	24.16
3	24.34	24.35	24.36	24.36	24.37	24.38	24.37	24.37	24.37	24.36	24.34	24.33	24.31	24.28	24.27	24.27	24.28	24.29	24.31	24.33	24.34	24.34	24.36	24.37	24.34	24.38	24.27
4	24.37	24.38	24.38	24.38	24.38	24.39	24.39	24.40	24.43	24.42	24.42	24.42	24.42	24.41	24.40	24.39	24.39	24.37	24.38	24.39	24.40	24.41	24.42	24.43	24.40	24.43	24.37
5	24.44	24.45	24.45	24.46	24.46	24.48	24.48	24.49	24.51	24.51	24.52	24.51	24.51	24.51	24.50	24.51	24.51	24.51	24.51	24.51	24.51	24.53	24.53	24.53	24.50	24.53	24.44
6	24.53	24.54	24.54	24.54	24.54	24.54	24.55	24.56	24.56	24.57	24.58	24.58	24.57	24.57	24.56	24.56	24.57	24.56	24.56	24.57	24.58	24.58	24.58	24.58	24.56	24.58	24.53
7	24.58	24.58	24.58	24.56	24.56	24.55	24.54	24.54	24.53	24.53	24.53	24.52	24.52	24.50	24.50	24.50	24.49	24.48	24.48	24.49	24.49	24.49	24.48	24.48	24.52	24.58	24.48
8	24.47	24.46	24.46	24.46	24.46	24.47	24.47	24.47	24.47	24.48	24.46	24.45	24.44	24.42	24.40	24.39	24.38	24.37	24.37	24.37	24.38	24.38	24.39	24.38	24.43	24.48	24.37
9	24.39	24.39	24.39	24.38	24.38	24.38	24.38	24.38	24.39	24.40	24.39	24.38	24.37	24.35	24.33	24.32	24.32	24.31	24.30	24.31	24.32	24.34	24.35	24.36	24.36	24.40	24.30
10	24.38	24.39	24.39	24.39	24.40	24.41	24.41	24.40	24.42	24.43	24.42	24.42	24.41	24.40	24.39	24.39	24.39	24.39	24.39	24.39	24.40	24.41	24.41	24.40	24.40	24.43	24.38
11	24.40	24.40	24.39	24.38	24.38	24.38	24.38	24.39	24.40	24.40	Au	Au	Au	Au	Au	Au	24.37	24.37	24.37	24.38	24.39	24.41	24.44	24.45	24.39	24.45	24.37
12	24.46	24.46	24.47	24.48	24.49	24.51	24.53	24.55	24.58	24.59	24.60	24.61	24.61	24.61	24.60	24.61	24.63	24.63	24.64	24.66	24.67	24.67	24.69	24.70	24.59	24.70	24.46
13	24.70	24.71	24.71	24.72	24.73	24.74	24.75	24.75	24.76	24.76	24.76	24.75	24.72	24.70	24.68	24.67	24.66	24.64	24.63	24.62	24.61	24.60	24.58	24.56	24.69	24.76	24.56
14	24.54	24.53	24.52	24.50	24.49	24.48	24.44	24.43	24.41	24.39	24.36	24.34	24.32	24.29	24.26	24.27	24.27	24.27	24.28	24.30	24.31	24.32	24.32	24.33	24.37	24.54	24.26
15	24.34	24.33	24.34	24.34	24.34	24.35	24.34	24.34	24.34	24.36	24.36	24.37	24.38	24.37	24.34	24.31	24.31	24.31	24.31	24.32	24.32	24.33	24.30	24.29	24.33	24.38	24.29
16	24.30	24.33	24.36	24.40	24.43	24.46	24.50	24.53	24.56	24.59	24.59	24.60	24.60	24.61	24.62	24.63	24.64	24.65	24.65	24.66	24.66	24.66	24.65	24.64	24.55	24.66	24.30
17	24.62	24.61	24.59	24.58	24.56	24.55	24.54	24.52	24.51	24.51	24.49	24.48	24.46	24.43	24.41	24.40	24.38	24.36	24.35	24.33	24.33	24.33	24.33	24.33	24.46	24.62	24.33
18	24.33	24.33	24.34	24.34	24.35	24.36	24.37	24.37	24.38	24.38	24.39	24.38	24.39	24.37	24.37	24.39	24.41	24.41	24.42	24.43	24.44	24.45	24.46	24.47	24.39	24.47	24.33
19	24.48	24.48	24.49	24.49	24.49	24.49	24.49	24.50	24.52	24.51	24.50	24.49	24.47	24.45	24.44	24.43	24.42	24.41	24.40	24.39	24.41	24.42	24.43	24.42	24.46	24.52	24.39
20	24.41	24.42	24.43	24.43	24.43	24.44	24.45	24.46	24.48	24.48	24.48	24.48	24.47	24.46	24.44	24.43	24.43	24.42	24.41	24.41	24.41	24.41	24.41	24.42	24.44	24.48	24.41
21	24.40	24.40	24.39	24.38	24.37	24.36	24.36	24.37	24.36	24.37	24.36	24.34	24.34	24.34	24.35	24.36	24.36	24.36	24.36	24.36	24.38	24.39	24.39	24.40	24.37	24.40	24.34
22	24.41	24.42	24.42	24.42	24.43	24.43	24.43	24.46	24.46	24.46	24.46	24.45	24.45	24.44	24.41	24.40	24.39	24.39	24.38	24.38	24.39	24.38	24.37	24.35	24.42	24.46	24.35
23	24.34	24.33	24.30	24.27	24.26	24.24	24.23	24.21	24.20	24.19	24.18	24.17	24.16	24.16	24.17	24.19	24.20	24.20	24.21	24.21	24.22	24.23	24.24	24.25	24.22	24.34	24.16
24	24.24	24.25	24.25	24.24	24.25	24.26	24.26	24.27	24.27	24.27	24.26	24.25	24.24	24.25	24.25	24.26	24.27	24.29	24.31	24.33	24.35	24.36	24.39	24.41	24.28	24.41	24.24
25	24.42	24.44	24.45	24.46	24.47	24.49	24.51	24.52	24.53	24.55	24.55	24.54	24.54	24.52	24.51	24.50	24.50	24.50	24.51	24.51	24.51	24.52	24.53	24.54	24.50	24.55	24.42
26	24.55	24.55	24.55	24.55	24.54	24.54	24.55	24.55	24.55	24.56	24.56	24.55	24.54	24.53	24.52	24.52	24.53	24.54	24.55	24.56	24.57	24.57	24.56	24.55	24.55	24.57	24.52
27	24.55	24.54	24.54	24.53	24.52	24.51	24.51	24.53	24.53	24.52	24.51	24.50	24.48	24.47	24.45	24.44	24.43	24.42	24.42	24.42	24.42	24.41	24.40	24.39	24.48	24.55	24.39
28	24.36	24.34	24.31	24.28	24.26	24.24	24.22	24.21	24.18	24.19	24.25	24.29	24.30	24.30	24.30	24.32	24.34	24.37	24.41	24.46	24.49	24.51	24.52	24.54	24.33	24.54	24.18
29	24.55	24.57	24.56	24.56	24.57	24.56	24.55	24.56	24.56	24.56	24.57	24.56	24.53	24.51	24.49	24.47	24.46	24.46	24.45	24.47	24.48	24.49	24.49	24.49	24.52	24.57	24.45
30	24.48	24.48	24.48	24.48	24.48	24.48	24.49	24.50	24.52	24.52	24.52	24.51	24.49	24.47	24.45	24.43	24.42	24.41	24.40	24.40	24.40	24.40	24.39	24.37	24.46	24.52	24.37
31	24.36	24.34	24.32	24.30	24.29	24.27	24.26	24.26	24.24	24.22	24.20	24.18	24.16	24.12	24.09	24.10	24.10	24.09	24.09	24.10	24.15	24.18	24.17	24.18	24.20	24.36	24.09
Avg	24.44	24.44	24.44	24.43	24.43	24.43	24.43	24.44	24.44	24.45	24.44	24.44	24.43	24.42	24.40	24.40	24.40	24.40	24.40	24.41	24.42	24.42	24.43	24.43	24.43	24.50	24.35
Max	24.70	24.71	24.71	24.72	24.73	24.74	24.75	24.75	24.76	24.76	24.76	24.75	24.72	24.70	24.68	24.67	24.66	24.65	24.65	24.66	24.67	24.67	24.69	24.70	24.69	24.76	24.56
Min	24.24	24.25	24.25	24.24	24.22	24.22	24.22	24.21	24.18	24.19	24.18	24.17	24.16	24.12	24.09	24.10	24.10	24.09	24.09	24.10	24.15	24.18	24.17	24.18	24.20	24.32	24.09

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
January 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	81.1	80.5	81.1	80.8	80.8	82.0	81.5	82.2	82.0	81.6	80.6	71.5	66.5	64.3	67.6	66.0	76.0	83.7	85.8	83.9	86.2	84.4	84.6	84.4	79.1	86.2	64.3
2	84.4	83.9	82.8	82.7	82.5	82.0	81.9	81.9	81.1	83.1	86.7	88.8	83.8	73.8	74.8	76.0	78.0	81.7	87.5	90.5	88.6	87.7	84.4	80.5	82.9	90.5	73.8
3	73.3	73.5	71.9	70.7	72.8	74.1	76.8	77.6	75.8	71.7	67.8	70.8	67.4	73.2	71.5	71.1	75.5	79.2	79.4	79.5	78.7	78.8	78.4	77.8	74.5	79.5	67.4
4	77.9	78.6	78.2	77.7	78.0	78.5	78.2	78.3	78.6	78.1	77.3	77.8	78.6	78.6	79.2	80.2	80.6	81.4	81.8	81.9	82.2	82.8	83.9	85.1	79.7	85.1	77.3
5	87.0	89.5	90.9	91.6	92.4	93.2	86.5	85.8	85.7	79.6	81.6	85.1	83.8	82.9	81.2	85.8	86.3	92.1	93.0	94.1	95.2	95.1	94.9	94.3	88.6	95.2	79.6
6	88.4	88.4	80.2	80.2	83.0	82.7	79.8	74.9	73.6	71.5	68.4	70.5	81.7	83.0	82.5	82.0	83.2	82.0	79.3	79.6	77.9	76.2	77.0	76.6	79.3	88.4	68.4
7	76.4	74.7	73.7	73.8	73.5	75.5	75.8	79.2	81.1	73.0	65.4	61.9	57.5	67.4	74.6	77.6	81.0	83.0	86.5	89.4	87.7	90.6	92.9	92.2	77.7	92.9	57.5
8	89.7	88.6	90.9	88.5	89.4	90.7	88.9	77.9	71.9	71.7	68.3	67.5	73.8	75.5	75.7	77.1	77.3	78.3	83.1	83.5	80.2	77.8	75.4	74.7	79.8	90.9	67.5
9	73.7	72.0	71.4	70.7	69.4	69.5	68.8	69.2	70.4	70.6	74.5	77.8	78.6	75.0	72.6	75.2	78.2	83.6	84.2	84.4	85.3	86.8	86.1	86.6	76.4	86.8	68.8
10	86.6	86.9	85.5	85.1	84.1	84.3	83.3	83.4	84.3	86.2	83.3	75.8	73.3	72.5	73.5	75.0	77.0	81.3	82.8	80.3	88.6	89.8	95.9	96.6	83.1	96.6	72.5
11	95.3	95.9	95.7	96.4	89.1	88.5	89.7	89.4	89.1	88.3	82.1	80.4	79.6	78.8	80.7	86.8	88.6	89.6	90.9	94.6	93.6	91.8	91.0	89.9	89.0	96.4	78.8
12	89.6	89.3	89.0	88.2	87.6	84.7	83.5	81.8	81.4	80.5	83.0	83.5	83.1	84.7	84.8	84.2	87.3	89.8	90.0	90.3	89.6	90.4	87.6	85.0	86.2	90.4	80.5
13	83.7	82.2	81.1	80.5	79.8	79.1	77.6	78.5	78.9	78.9	75.8	76.2	71.2	67.6	66.7	68.5	79.2	85.9	86.2	86.5	85.6	83.3	83.0	82.2	79.1	86.5	66.7
14	82.1	81.0	80.8	79.8	79.1	79.2	79.1	78.8	79.8	78.0	72.9	66.4	65.9	68.7	63.8	69.7	77.5	88.1	89.6	89.1	88.9	87.7	87.5	85.8	79.1	89.6	63.8
15	85.9	84.9	83.4	84.3	82.5	82.8	82.2	82.7	83.7	84.9	85.6	85.5	84.8	82.2	81.2	73.6	81.4	90.1	89.6	87.9	85.9	86.2	85.1	85.5	84.2	90.1	73.6
16	84.7	85.5	86.9	87.2	89.8	90.0	90.2	90.1	91.1	78.9	65.8	68.0	70.7	69.6	69.7	66.0	59.3	54.3	57.2	61.5	63.2	63.3	65.0	69.5	74.1	91.1	54.3
17	69.2	70.2	71.6	67.8	70.1	70.7	78.3	82.8	82.6	79.5	73.3	66.8	60.5	50.0	39.5	43.2	42.4	48.0	48.1	54.0	54.7	62.5	58.9	66.4	63.0	82.8	39.5
18	72.6	74.9	77.8	76.9	78.7	80.0	82.7	89.1	91.3	91.3	82.0	70.5	63.8	63.9	56.5	56.5	57.2	59.4	64.0	64.0	57.6	57.6	59.1	60.7	70.3	91.3	56.5
19	60.9	60.5	57.4	57.7	63.8	66.7	65.1	64.6	64.7	62.6	61.8	61.5	63.7	67.1	67.3	68.5	69.3	73.6	76.6	75.3	77.1	80.6	85.9	86.8	68.3	86.8	57.4
20	87.9	88.6	88.9	88.8	87.3	88.9	87.0	87.2	88.0	85.5	82.0	73.7	71.3	69.8	69.8	73.0	76.4	80.3	81.1	86.7	87.7	87.9	88.8	88.4	83.1	88.9	69.8
21	86.6	84.6	83.2	81.2	81.0	79.8	79.1	78.0	78.1	80.1	79.7	74.8	73.5	64.7	63.4	68.4	70.7	83.4	87.2	85.0	83.4	82.3	81.8	81.6	78.8	87.2	63.4
22	80.7	80.7	80.4	82.2	82.2	82.2	81.9	82.1	81.9	81.9	82.9	74.2	36.1	32.9	32.5	34.6	36.8	44.4	57.9	54.9	56.3	66.7	75.4	80.1	65.9	82.9	32.5
23	80.8	79.1	78.4	82.0	83.8	87.0	88.8	89.0	87.4	88.3	79.4	70.5	67.3	67.5	69.5	70.0	69.1	78.7	82.4	87.1	89.1	90.4	88.8	88.1	80.9	90.4	67.3
24	81.3	72.9	66.5	68.3	71.0	73.2	75.5	77.4	81.9	80.1	78.5	73.5	72.8	75.3	76.3	77.7	76.1	76.4	77.8	82.1	85.1	87.7	89.2	88.3	77.7	89.2	66.5
25	85.7	85.7	87.2	86.5	83.5	78.5	77.9	72.3	71.6	70.8	66.8	63.2	61.6	60.2	60.5	54.7	53.8	55.9	62.1	63.7	64.7	61.3	67.6	69.5	69.4	87.2	53.8
26	76.1	77.6	80.1	80.9	82.2	82.2	84.4	85.4	86.1	83.4	73.4	65.9	52.6	52.1	43.4	44.1	44.9	60.7	69.4	75.3	75.2	78.4	80.7	84.2	71.6	86.1	43.4
27	84.6	86.5	85.8	86.7	88.2	89.9	89.7	88.0	88.1	84.3	76.9	66.3	65.1	61.7	62.5	62.0	64.2	70.1	76.3	78.5	84.4	84.6	84.4	85.9	78.9	89.9	61.7
28	87.5	89.3	88.1	77.1	67.7	68.8	67.3	64.0	75.9	68.3	65.6	60.2	63.1	60.2	60.2	60.5	67.4	70.3	68.6	73.8	79.0	83.7	87.5	87.1	72.5	89.3	60.2
29	87.9	91.1	90.8	89.0	88.3	88.5	87.4	85.6	85.6	79.2	70.4	55.0	54.5	54.0	40.4	41.8	53.6	65.5	67.8	75.8	78.4	81.8	82.1	83.2	74.1	91.1	40.4
30	84.1	86.5	85.8	86.1	85.7	86.2	85.3	84.4	83.1	74.5	64.4	53.0	52.2	37.5	41.6	49.2	49.3	62.7	68.4	77.1	76.6	81.2	82.8	84.6	71.8	86.5	37.5
31	84.7	84.4	86.0	85.3	84.3	84.9	85.0	85.4	83.2	83.9	80.0	69.7	66.3	67.0	70.4	74.4	75.2	78.7	79.0	80.5	82.0	81.4	80.6	81.1	79.7	86.0	66.3
Avg	82.3	82.2	81.7	81.1	81.0	81.4	81.3	80.9	81.2	79.0	75.4	71.2	68.5	67.2	66.3	67.5	70.1	75.2	77.9	79.7	80.3	81.3	82.1	82.7	77.4	88.8	62.3
Max	95.3	95.9	95.7	96.4	92.4	93.2	90.2	90.1	91.3	91.3	86.7	88.8	84.8	84.7	84.8	86.8	88.6	92.1	93.0	94.6	95.2	95.1	95.9	96.6	89.0	96.6	80.5
Min	60.9	60.5	57.4	57.7	63.8	66.7	65.1	64.0	64.7	62.6	61.8	53.0	36.1	32.9	32.5	34.6	36.8	44.4	48.1	54.0	54.7	57.6	58.9	60.7	63.0	79.5	32.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
February 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	82.4	81.1	79.6	79.3	79.0	79.3	80.4	79.6	77.0	74.3	58.9	58.5	60.0	62.4	61.8	64.4	84.8	91.4	92.2	92.3	92.1	91.9	92.2	91.9	78.6	92.3	58.5
2	91.6	91.2	84.0	82.7	83.4	76.2	72.2	71.2	71.8	67.2	68.1	65.9	62.8	62.8	63.2	59.4	53.4	53.3	62.1	67.0	74.1	77.5	78.7	71.5	71.3	91.6	53.3
3	67.3	69.8	70.5	72.9	69.9	67.5	67.0	68.6	68.1	66.9	65.5	63.6	62.7	61.3	61.8	65.3	72.0	75.8	82.9	84.5	85.2	85.1	85.1	84.7	71.8	85.2	61.3
4	84.6	84.1	83.8	84.1	85.1	87.3	87.4	85.8	85.4	83.9	74.4	63.5	60.0	62.0	64.7	64.7	67.3	73.9	76.6	85.2	89.7	92.6	94.0	92.7	79.7	94.0	60.0
5	93.7	92.8	93.4	93.9	93.5	94.3	93.1	92.4	88.4	86.0	84.3	67.0	40.2	51.7	67.3	66.7	68.0	82.2	85.5	81.6	59.1	44.9	43.0	44.8	75.3	94.3	40.2
6	52.4	56.7	52.9	55.9	41.6	38.5	37.9	36.7	36.5	32.4	31.4	31.0	30.8	32.4	31.6	33.1	36.4	40.7	38.9	37.7	41.2	45.7	45.5	45.1	40.1	56.7	30.8
7	45.3	46.5	49.3	52.9	71.2	68.3	75.4	76.6	82.4	83.7	79.8	79.2	77.2	78.7	68.9	58.5	66.0	72.5	67.5	64.9	66.2	66.8	67.7	65.8	68.0	83.7	45.3
8	64.8	69.9	68.2	68.8	72.8	72.8	73.4	73.7	69.8	64.7	55.8	53.1	51.3	48.1	48.3	47.1	51.7	61.1	72.5	75.9	80.0	79.0	83.9	82.9	66.2	83.9	47.1
9	84.0	84.7	80.7	83.4	85.7	83.2	84.9	84.6	78.5	89.6	93.1	91.7	81.0	84.3	82.3	87.3	90.3	92.0	89.5	88.3	85.9	80.8	81.7	78.6	85.3	93.1	78.5
10	80.3	85.8	85.1	84.3	85.0	84.5	84.8	85.1	85.0	83.6	85.5	84.7	82.2	81.2	80.4	77.6	78.5	83.5	90.2	90.9	93.9	94.1	96.0	95.9	85.8	96.0	77.6
11	95.3	95.2	95.5	94.8	93.4	92.5	91.6	91.2	91.0	88.3	81.7	70.5	61.4	57.0	56.8	57.0	62.5	72.1	81.5	86.0	88.8	90.2	92.4	91.4	82.4	95.5	56.8
12	90.4	86.3	87.0	84.9	86.8	87.2	85.8	76.3	71.4	61.8	53.7	51.0	50.8	53.1	51.7	52.9	53.8	58.3	61.8	73.0	73.1	73.2	83.7	87.9	70.7	90.4	50.8
13	89.1	86.5	87.6	87.7	90.0	90.6	90.3	91.3	85.3	75.7	69.1	52.4	52.4	50.7	49.6	49.9	49.9	61.1	75.8	81.4	84.2	87.3	85.7	88.2	75.5	91.3	49.6
14	88.2	90.7	92.6	92.0	91.9	91.0	90.3	88.1	86.3	80.6	51.0	46.6	44.4	47.5	55.5	61.3	67.0	68.4	74.2	75.1	76.0	76.1	77.3	81.2	74.7	92.6	44.4
15	83.3	87.3	70.4	71.9	76.1	86.9	89.0	90.4	88.8	81.2	78.6	55.5	51.6	73.6	87.6	77.8	73.4	79.1	87.8	90.9	90.6	92.2	90.7	90.6	81.1	92.2	51.6
16	90.9	81.9	74.0	76.6	78.8	80.9	78.7	76.9	83.0	83.5	81.9	81.7	81.5	80.6	73.7	78.1	65.3	73.7	81.5	78.5	77.3	78.8	86.7	87.4	79.7	90.9	65.3
17	88.1	87.2	82.4	80.2	78.9	78.3	79.8	83.1	86.5	79.5	59.9	70.8	65.9	61.2	56.7	56.1	57.9	56.9	63.5	69.8	76.0	78.1	81.0	84.6	73.4	88.1	56.1
18	84.6	87.0	86.6	86.4	86.0	84.0	84.3	86.1	74.6	66.5	46.8	33.7	34.8	38.7	38.5	37.1	41.9	44.2	47.9	61.6	68.8	72.7	65.8	50.9	62.9	87.0	33.7
19	41.0	47.0	53.8	56.3	65.0	67.7	66.1	66.1	62.7	56.4	51.6	51.4	51.0	52.8	51.3	50.8	52.3	56.5	60.9	66.1	71.0	69.3	71.4	77.0	59.0	77.0	41.0
20	91.5	95.1	92.4	93.0	89.2	88.5	86.5	86.7	85.1	84.6	80.7	73.6	71.4	67.8	77.5	81.4	90.9	95.5	95.0	78.6	75.6	74.8	72.3	75.4	83.5	95.5	67.8
21	72.5	69.7	63.9	64.9	67.1	69.5	73.4	74.2	69.8	67.7	68.2	65.8	61.2	58.0	61.5	60.5	68.5	66.7	62.0	64.7	66.2	75.8	78.7	77.7	67.8	78.7	58.0
22	75.8	77.0	76.0	73.9	74.4	72.6	71.7	70.6	71.8	67.4	54.6	42.5	41.9	43.5	38.6	36.1	40.4	46.5	62.5	69.4	71.8	75.6	77.8	77.9	62.9	77.9	36.1
23	78.3	77.2	77.1	76.7	75.9	75.9	75.7	75.6	75.1	68.1	46.5	36.5	40.2	39.2	40.9	47.3	54.6	61.0	62.9	68.7	69.5	71.6	74.1	80.2	64.5	80.2	36.5
24	79.6	83.2	83.3	86.4	84.9	85.8	84.6	84.9	81.3	71.6	48.6	42.3	43.4	47.4	53.4	66.3	68.6	67.7	70.9	70.6	86.7	90.5	90.4	91.0	73.5	91.0	42.3
25	90.1	84.6	86.8	90.0	90.5	85.5	86.9	86.9	83.4	77.9	76.9	72.2	68.9	72.8	76.0	76.8	78.2	82.7	83.6	84.7	85.4	84.8	85.1	85.5	82.3	90.5	68.9
26	85.8	84.9	85.3	84.6	84.1	82.9	80.3	78.4	74.8	70.5	66.2	62.8	65.6	64.8	65.2	67.0	69.6	73.6	77.8	78.7	79.7	78.5	79.8	78.1	75.8	85.8	62.8
27	77.0	77.5	76.7	75.7	75.4	75.4	74.4	74.7	73.8	60.9	59.5	66.5	68.9	74.8	74.5	76.1	77.4	73.3	74.9	78.1	76.5	79.3	81.0	80.2	74.3	81.0	59.5
28	79.7	79.7	79.0	80.7	78.8	77.9	76.8	75.9	73.0	60.1	60.5	70.7	70.6	68.8	67.0	66.4	64.6	65.6	71.4	74.4	78.1	78.4	79.3	78.6	73.2	80.7	60.1
Avg	79.6	80.0	78.5	79.1	79.8	79.5	79.4	79.0	77.2	72.7	65.5	60.9	58.4	59.9	60.9	61.5	64.5	68.9	73.4	75.7	77.2	78.1	79.3	79.2	72.8	87.0	53.4
Max	95.3	95.2	95.5	94.8	93.5	94.3	93.1	92.4	91.0	89.6	93.1	91.7	82.2	84.3	87.6	87.3	90.9	95.5	95.0	92.3	93.9	94.1	96.0	95.9	85.8	96.0	78.5
Min	41.0	46.5	49.3	52.9	41.6	38.5	37.9	36.7	36.5	32.4	31.4	31.0	30.8	32.4	31.6	33.1	36.4	40.7	38.9	37.7	41.2	44.9	43.0	44.8	40.1	56.7	30.8

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
March 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	77.8	78.4	79.7	82.9	82.5	81.6	78.7	78.5	75.4	62.2	55.3	54.6	51.1	45.1	42.9	43.5	44.5	50.7	61.2	68.5	72.2	74.2	78.4	82.2	66.8	82.9	42.9
2	83.6	83.4	82.2	82.8	82.8	81.8	82.1	81.9	73.1	53.6	53.5	58.2	59.1	64.3	65.5	63.5	66.0	66.7	68.1	65.7	66.9	67.1	67.7	70.3	70.4	83.6	53.5
3	69.5	65.4	60.9	61.8	63.3	57.5	62.2	62.9	53.9	50.8	48.6	48.8	49.5	46.3	49.8	50.9	46.9	41.1	41.1	46.5	55.1	65.3	69.3	69.5	55.7	69.5	41.1
4	72.6	73.5	73.9	74.5	74.5	76.2	76.7	75.6	62.3	53.2	51.9	54.5	55.1	53.3	51.0	47.5	45.1	44.3	48.8	57.0	66.4	73.0	77.7	80.2	63.3	80.2	44.3
5	82.0	83.3	82.1	82.7	82.2	82.4	81.7	81.0	74.9	62.5	48.1	34.5	34.2	35.3	35.7	41.2	41.5	38.9	40.6	45.7	55.3	63.2	68.4	70.1	60.3	83.3	34.2
6	69.2	72.8	74.7	74.9	76.5	75.6	74.8	73.3	64.0	49.5	45.4	44.3	42.0	40.3	40.5	40.0	41.1	44.3	44.6	47.3	59.2	66.8	71.1	73.9	58.6	76.5	40.0
7	75.4	78.5	80.4	83.9	82.5	86.4	85.7	82.9	69.7	60.7	42.9	40.7	41.8	51.0	50.3	46.1	47.6	51.6	52.8	61.0	68.0	75.4	76.1	77.9	65.4	86.4	40.7
8	82.8	83.6	89.3	90.9	91.1	91.3	90.3	85.2	72.7	65.4	57.6	54.9	51.1	48.0	46.2	42.4	39.3	41.1	46.0	52.7	51.2	57.2	69.1	75.2	65.6	91.3	39.3
9	83.2	85.5	86.4	86.3	87.7	88.0	88.3	83.5	75.0	59.3	48.5	46.7	43.5	36.4	32.4	31.0	28.8	34.3	41.2	51.0	62.8	70.5	72.2	75.9	62.4	88.3	28.8
10	81.0	82.7	82.0	85.5	87.2	85.8	83.7	79.7	68.5	60.8	43.7	32.3	29.8	26.8	27.0	28.2	30.3	30.6	44.3	58.5	63.1	70.1	72.9	80.0	59.8	87.2	26.8
11	76.9	79.5	77.5	78.9	82.3	77.7	78.4	75.1	77.2	70.2	Au	Au	Au	Au	Au	Au	32.8	37.8	50.3	61.9	69.0	66.2	65.4	66.4	68.0	82.3	32.8
12	69.2	74.9	79.8	83.4	88.0	90.8	91.6	89.5	88.6	84.2	70.0	63.3	57.4	55.0	48.5	47.3	51.5	53.6	60.0	68.6	77.7	82.7	84.2	85.7	72.7	91.6	47.3
13	88.0	90.4	90.0	89.0	89.0	90.8	90.5	83.5	77.7	72.1	49.5	42.0	38.6	34.8	31.5	31.1	28.8	34.2	52.2	59.5	70.0	71.5	70.9	71.0	64.4	90.8	28.8
14	77.5	77.5	78.8	66.8	43.4	45.7	47.4	41.1	43.1	36.1	34.6	30.8	27.7	26.5	26.3	32.3	36.8	43.0	48.0	52.3	56.6	58.0	58.3	57.9	47.8	78.8	26.3
15	58.6	57.9	57.3	57.6	69.6	70.5	74.3	63.4	55.9	62.0	66.0	66.0	69.1	70.0	63.2	54.3	54.1	57.9	59.5	66.0	48.3	44.7	40.0	41.4	59.5	74.3	40.0
16	45.4	39.6	53.0	70.2	74.4	77.6	88.8	93.0	85.5	76.6	75.7	69.9	68.4	69.8	73.4	71.7	78.3	86.6	91.8	93.3	89.7	85.6	85.3	84.5	76.2	93.3	39.6
17	83.1	82.1	83.7	85.5	88.9	85.8	85.1	81.9	80.2	79.1	77.0	82.1	87.3	90.0	91.5	89.9	90.0	92.8	95.7	96.5	96.7	97.2	97.5	97.5	88.2	97.5	77.0
18	97.6	97.7	97.7	97.8	96.7	87.4	83.0	84.3	79.4	76.0	72.9	70.6	68.3	68.2	74.0	89.0	91.1	88.8	90.4	78.5	75.2	76.2	74.3	76.4	83.0	97.8	68.2
19	78.3	80.1	80.8	81.1	78.5	82.7	90.3	82.0	70.7	65.7	59.7	53.1	48.0	44.1	39.9	36.5	37.3	43.2	49.9	61.4	67.5	43.3	40.5	40.0	60.6	90.3	36.5
20	41.3	42.9	39.4	45.8	50.3	59.9	57.7	59.4	40.7	36.5	32.0	29.7	28.4	26.2	25.8	24.4	27.5	27.6	45.2	54.9	58.8	69.4	67.3	71.9	44.3	71.9	24.4
21	77.8	81.2	82.1	84.5	86.4	86.7	85.6	82.3	77.0	62.5	35.7	30.7	35.0	36.4	40.1	47.0	43.6	44.2	45.8	42.2	46.1	57.7	56.9	57.0	59.4	86.7	30.7
22	47.4	53.3	57.9	62.3	65.5	70.0	75.4	69.8	59.6	51.8	45.3	37.6	28.8	26.9	24.2	20.6	21.7	25.1	31.1	42.6	54.2	57.3	56.8	53.8	47.5	75.4	20.6
23	49.6	37.8	43.4	51.1	54.5	56.8	58.1	58.0	51.2	31.7	29.4	31.7	36.0	48.5	71.0	90.9	97.4	97.7	97.8	98.1	97.7	96.8	93.4	88.7	65.3	98.1	29.4
24	85.8	86.7	86.1	84.8	80.5	80.3	78.3	73.4	69.1	64.2	55.0	49.4	43.2	44.7	47.5	48.1	53.6	65.8	76.2	88.9	93.3	91.2	92.0	93.7	72.2	93.7	43.2
25	92.9	92.6	92.2	91.9	90.0	89.2	90.1	84.7	77.2	72.7	66.5	59.2	51.7	49.2	47.2	47.6	55.5	62.8	64.7	64.9	69.5	65.3	67.7	69.9	71.5	92.9	47.2
26	73.6	88.0	95.0	95.0	94.6	90.8	89.4	88.5	87.1	82.8	75.6	68.8	64.4	58.5	57.5	53.8	52.4	56.8	64.2	70.8	77.3	84.9	88.2	90.9	77.0	95.0	52.4
27	93.4	93.4	93.8	95.0	94.3	94.9	93.9	86.5	77.5	52.9	41.8	36.7	34.6	28.9	29.3	30.6	31.1	31.5	39.0	57.0	65.6	76.5	80.8	82.1	64.2	95.0	28.9
28	86.8	87.9	90.8	91.7	92.0	89.8	87.9	77.7	35.9	48.4	68.1	77.1	57.2	46.4	37.9	40.8	39.3	48.4	64.0	91.0	90.2	84.4	86.1	86.6	71.1	92.0	35.9
29	89.8	89.5	86.3	83.5	85.7	76.4	75.7	67.1	61.5	59.7	54.5	44.0	36.6	34.2	33.2	34.3	37.2	38.8	42.3	45.0	48.4	51.4	53.1	54.2	57.6	89.8	33.2
30	54.4	57.4	63.6	70.0	77.9	82.1	84.3	83.6	63.9	44.0	38.6	36.6	32.0	32.3	31.0	29.6	30.6	29.1	34.7	53.3	58.0	63.2	67.2	73.1	53.8	84.3	29.1
31	75.9	78.5	81.2	83.1	79.0	79.0	79.7	70.6	49.7	27.2	24.1	23.2	22.5	19.8	21.0	31.6	39.6	42.9	55.6	68.6	65.4	66.2	63.5	53.8	54.2	83.1	19.8
Avg	74.9	76.0	77.5	79.2	79.7	79.7	80.3	76.8	67.7	59.2	52.2	49.1	46.4	45.2	45.2	46.2	47.1	50.1	56.4	63.5	67.6	70.1	71.4	72.6	64.1	86.6	38.2
Max	97.6	97.7	97.7	97.8	96.7	94.9	93.9	93.0	88.6	84.2	77.0	82.1	87.3	90.0	91.5	90.9	97.4	97.7	97.8	98.1	97.7	97.2	97.5	97.5	88.2	98.1	77.0
Min	41.3	37.8	39.4	45.8	43.4	45.7	47.4	41.1	35.9	27.2	24.1	23.2	22.5	19.8	21.0	20.6	21.7	25.1	31.1	42.2	46.1	43.3	40.0	40.0	44.3	69.5	19.8

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
January 2015

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.010	0.000	0.000	0.010	0.000	0.000	0.010	0.000	0.000	0.000	0.010	0.010	0.010	0.010	0.020	0.010	0.020	0.010	0.010	0.010	0.020	0.010	0.000	0.000	0.180	0.020
6	0.000	0.020	0.020	0.020	0.020	0.020	0.010	0.020	0.020	0.020	0.010	0.020	0.030	0.020	0.010	0.020	0.010	0.010	0.010	0.000	0.010	0.000	0.010	0.010	0.340	0.030
7	0.000	0.010	0.010	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.000	0.010	0.010	0.000	0.000	0.010	0.000	0.010	0.000	0.100	0.010
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.010	0.040	0.010
11	0.020	0.010	0.020	0.020	0.020	0.010	0.010	0.020	0.010	0.010	0.020	0.010	0.020	0.010	0.020	0.020	0.010	0.020	0.010	0.010	0.010	0.020	0.010	0.010	0.350	0.020
12	0.010	0.010	0.000	0.010	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.000	0.020	0.010	0.010	0.010	0.010	0.000	0.010	0.000	0.010	0.000	0.000	0.140	0.020
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.010	0.020	0.010
20	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.060	0.010
21	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
24	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.030
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.040	0.050	0.050	0.060	0.070	0.050	0.040	0.060	0.100	0.030	0.070	0.060	0.070	0.080	0.120	0.060	0.070	0.060	0.030	0.050	0.060	0.050	0.030	0.050	1.410	0.000
Max	0.020	0.020	0.020	0.020	0.020	0.020	0.010	0.020	0.030	0.020	0.020	0.020	0.030	0.020	0.020	0.020	0.020	0.020	0.010	0.010	0.020	0.020	0.010	0.010	0.350	0.030

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
February 2015

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.040	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.040
3	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.010
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010	0.030	0.000	0.020	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.110	0.030
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.050	0.130	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.230	0.130
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.030
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.030	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.030
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.040
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.020
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.030	0.030	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.030
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.040	0.060	0.190	0.090	0.120	0.110	0.060	0.050	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.780	0.000
Max	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.020	0.050	0.130	0.040	0.040	0.040	0.020	0.030	0.010	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.230	0.130

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
March 2015

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.020
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.030
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.020
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Au	Au	Au	Au	Au	Au	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.020	0.000	0.010	0.010	0.010	0.010	0.050	0.020	0.000	0.150	0.050
18	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.050	0.010	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.050
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.030
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.020
26	0.000	0.000	0.000	0.000	0.010	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.020
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.000	0.010	0.010	0.000	0.010	0.000	0.020	0.000	0.020	0.030	0.050	0.120	0.060	0.030	0.030	0.070	0.010	0.030	0.010	0.010	0.010	0.050	0.020	0.000	0.600	0.000
Max	0.000	0.010	0.010	0.000	0.010	0.000	0.020	0.000	0.010	0.020	0.010	0.050	0.010	0.010	0.020	0.030	0.010	0.020	0.010	0.010	0.010	0.050	0.020	0.000	0.150	0.050

APPENDIX B: PERFORMANCE AUDIT REPORTS FIRST QUARTER 2015

BISON
ENGINEERING, INC.

Bison Engineering

Preliminary Meteorological Parameters Audit Form

Audit Dates: 03/11/2015 Audit Start Time : 10:10 MST Audit End Time : 14:45 MST
Client: Tintina Resources
Site: Black Butte
AUDITOR: Steve Heck STATION OPERATOR: Jeff Bell

Temperature

Audit Device: Control Company - digital thermometer Model 4000
Meter S/N: 91255639 Temperature Sensor: Climatronics 100093
Last certified: 3/24/2014 S/N 8253 (Upper), S/N 8255 (Lower)

Temperature bath results

Audit Value °C	9m DAS Value °C	9m DAS Diff. °C	2m DAS Value °C	2m DAS Diff. °C	9m - 2m DAS Diff. °C
0.00	0.15	0.15	0.18	0.18	-0.03
15.94	15.88	-0.06	15.92	-0.02	-0.04
35.28	35.47	0.19	35.55	0.27	-0.08

Wind Direction (Existing Sensor)

Sensor height: 9 Meter
Sensor (Make/model number): Climatronics/ WMIII
Serial Number : K2336C
Crossarm orientation (from Garmin GPS): 0.7 / 180.7
GPS location at sensor:
N 46 deg 46.3745 min, W 110 deg 52.8855 min
GPS location at sighting point:
N 46 deg 46.316 min, W 110 deg 52.8865 min
Sensor response aligned with crossarm (as found): 1.3

Linearity Audit Device: Climatronics 101966, SN 70

Threshold Torque: 0.06 oz.-in.
(Waters Model 366-1 torque watch)

Linearity Check from DAS (as found)

Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	0.1	0.2	0.1	0.2
30	29.5	29.3	-0.5	-0.7
60	59.0	58.7	-1.0	-1.3
90	88.3	88.0	-1.7	-2.0
120	118.3	117.9	-1.7	-2.1
150	148.1	147.7	-1.9	-2.3
180	178.2	178.0	-1.8	-2.0
210	208.5	208.3	-1.5	-1.7
240	238.6	238.3	-1.4	-1.7
270	268.8	268.7	-1.2	-1.3
300	299.5	299.1	-0.5	-0.9
330	329.7	329.4	-0.3	-0.6
		Max Diff	**-1.9**	**-2.3**

Wind Speed (Existing Sensor)

Sensor height:: 9 Meter
Sensor (Make/model number): Climatronics/ WMIII
Serial Number : K2336C
Calibration device: Weathertronics 300 rpm synchronous motor
Weathertronics 600 rpm synchronous motor

Synchronous motor checks

Known Value RPM	Known Value m/s	DAS Value m/s	DAS Diff. m/s
0	0.22	0.22	0.00
300	6.66	6.65	-0.01
600	13.09	13.08	-0.01

Threshold Torque: 0.006 oz.-in.
(Waters Model 366-3 torque watch)

Wind speed / wind direction sensor replaced after existing sensor was audited.

Wind Direction (New Sensor)

Sensor height: 9 Meter
Sensor (Make/model number): Climatronics/ WMIII
Serial Number : 1849
Crossarm orientation (from Garmin GPS): 0.7 / 180.7
GPS location at sensor:
N 46 deg 46.3745 min, W 110 deg 52.8855 min
GPS location at sighting point:
N 46 deg 46.316 min, W 110 deg 52.8865 min
Sensor response aligned with crossarm (as left): 0.1

Linearity Audit Device: Climatronics 101966, SN 70

Threshold Torque: 0.04 oz.-in.
(Waters Model 366-1 torque watch)

		Linearity Check from DAS (as found)		
Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	0.1	0.1	0.1	0.1
30	32.0	31.7	2.0	1.7
60	61.6	60.4	1.6	0.4
90	91.1	90.0	1.1	0.0
120	122.2	121.3	2.2	1.3
150	151.5	150.6	1.5	0.6
180	181.0	180.4	1.0	0.4
210	210.9	209.9	0.9	-0.1
240	240.8	239.9	0.8	-0.1
270	270.4	269.5	0.4	-0.5
300	300.7	299.9	0.7	-0.1
330	330.6	330.1	0.6	0.1
		Max Diff	**2.2**	**1.7**

Wind Speed (New Sensor)

Sensor height:: 9 Meter
Sensor (Make/model number): Climatronics/ WMIII
Serial Number : 1849
Calibration device: Weathertronics 300 rpm synchronous motor
Weathertronics 600 rpm synchronous motor

Synchronous motor checks

Known Value RPM	Known Value m/s	DAS Value m/s	DAS Diff. m/s
0	0.22	0.22	0.00
300	6.66	6.65	-0.01
600	13.09	13.08	-0.01

Threshold Torque: 0.003 oz.-in.
(Waters Model 366-3 torque watch)

Relative Humidity

Audit Device: Assmann Psychrometer, thermometer calibrations checked November 2014

Audit Dry-Bulb:	10.3	BP = 24.33 in. Hg
Audit Wet-Bulb	3.5	
Audit RH:	33.6	%RH
Station RH:	30.3	%RH
Diff:	-3.3	%RH

Solar Radiation

Audit Device: Eppley Pyranometer, SN 16166F3 (certified by Eppley September 2015)

Audit Value:	252 watts/m^2	328 watts/m^2	360 watts/m^2
Station Value:	254 watts/m^2	328 watts/m^2	362 watts/m^2
Diff.:	0.8%	0.0%	0.6%

Barometric Pressure

Audit Device: Wallace & Tiernan Model FA185260, S/N LL03297.
Checked against Bison Mercury barometer (Butte) on 03/10/2015

Audit Value:	24.33	in Hg
Station Value:	24.38	in Hg
Diff:	0.05	in Hg

Precipitation

Rain Gauge = Met One Model 375
Level checked OK
Wind Screen in place
8" opening

559 ml water added
Calibration is 8.24 ml per tip
Known audit value is 559 / 8.24 = 67.8 tips (so 67 full tips expected)

Unit registered 64 tips
% difference from expected = -4.5%

Signature Site Operator :_____

Signature Auditor : Steven B Hall

TINTINA RESOURCES, INC.
BLACK BUTTE COPPER PROJECT AMBIENT AIR MONITORING PROGRAM
Quarterly Data Report
Second Quarter 2015

Prepared for:

Tintina Resources, Inc.
17 East Main St
White Sulphur Springs, MT 59645

Prepared by:

Bison Engineering, Inc.
2751 Enterprise Ave., Ste. 2
Billings, MT 59102
(406) 896-1716
http://www.bison-eng.com

August 13, 2015

CERTIFICATION OF DATA INTEGRITY

Bison Engineering, Inc., certifies the data in this report is an accurate summary of the air quality conditions measured at the Black Butte Copper Project air monitoring site. Every effort was made to obtain accurate and representative data and to comply with the procedures set forth in the project-specific *Quality Assurance Project Plan*, the *State of Montana Ambient Air Monitoring Program Quality Assurance Project Plan (April 2013)*, and the Environmental Protection Agency's *Quality Assurance Handbook for Air Pollution Measurement Systems: Volume I, A Field Guide to Environmental Quality Assurance (April 1994), Volume II, Ambient Air Quality Program (May 2013), and Volume IV, Meteorological Measurements (March 2008).*

Preparer: Jeffrey S. Bell

Signature: Jeff S Bell

Title: Senior Field Technician

Date: 7/27/15

Reviewer: Rebecca L. Picchioni, P.E.

Signature: Rebecca Picchioni

Title: Project Engineer

Date: 8/10/15

TABLE OF CONTENTS

CERTIFICATION OF DATA INTEGRITY ii

1.0 INTRODUCTION 1

2.0 MONITORING SYSTEM OPERATIONS 3

3.0 CALIBRATION DATA 4

4.0 PERFORMANCE AUDIT DATA 5

5.0 DATA COMPLETENESS 6

6.0 MONITORING DATA 11

LIST OF TABLES

Table 1. Monthly Data Completeness 7
Table 2. Quarterly Data Completeness 10
Table 3. Periods of Missing Data 10
Table 4. Missing Data Codes 12
Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 13
Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 14
Table 7. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 15
Table 8. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower 16

LIST OF FIGURES

Figure 1. Monitoring Site Location 2
Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower 17
Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower 18
Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower 19
Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower 20

APPENDICES

Appendix A: Hourly Meteorological Data
Appendix B: Performance Audit Reports
Appendix C: Evaporation and Precipitation Summary

1.0 INTRODUCTION

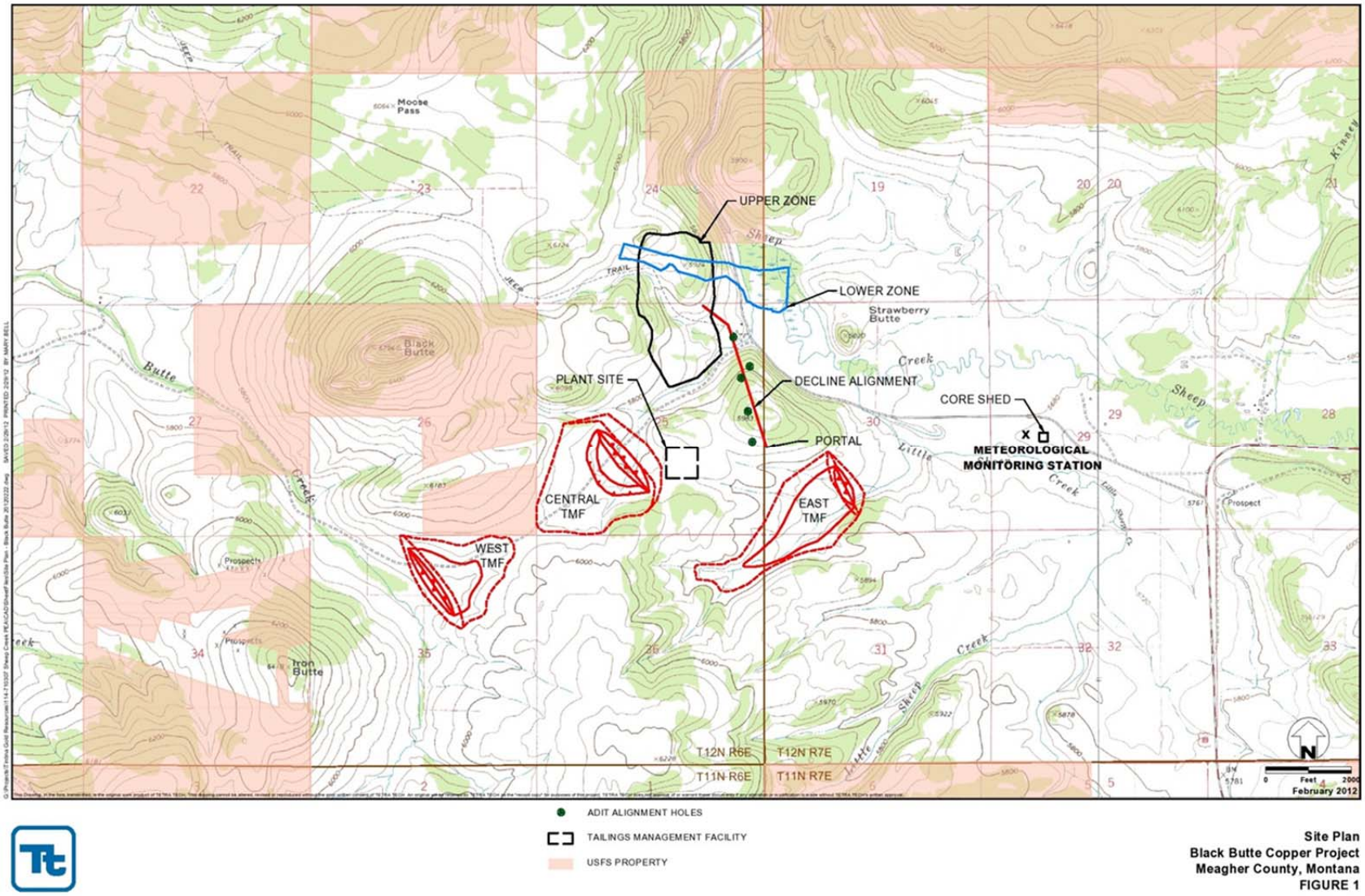
Tintina Resources, Inc. established an ambient air monitoring site to measure wind speed, wind direction, standard deviation of wind direction, temperature at 9 meters and 2 meters, delta temperature, solar radiation, barometric pressure, and precipitation. The station was established to accurately characterize the local meteorology and collect baseline data in support of an operating permit application and various environmental studies.

The meteorological monitoring system was installed in April 2012. The site is operated by Bison Engineering, Inc., of Helena and Billings. Figure 1 shows the location of the monitoring site.

This report presents the data collected during the second quarter (April through June) of 2015. In addition, a description of the monitoring system operations is presented, together with summaries of quality assurance activities, including calibrations and performance audits. Tabular summaries of the data completeness achieved and the periods of missing data also are presented. Appendix A presents hourly meteorological data collected.

On June 23, 2015, an evaporation pan and manual precipitation gauge were installed adjacent to the existing meteorological system. The evaporation data will be used for hydrological / water balance studies. The manual rain gauge was installed to provide a backup data source for the existing automatic rain gauge, which has experienced occasional mechanical problems. Also, the automatic rain gauge is sometimes unreliable for measuring frozen precipitation.

Figure 1. Monitoring Site Location



2.0 MONITORING SYSTEM OPERATIONS

The installation of the monitoring meteorological system equipment took place in April 2012, soon after the equipment was received from the manufacturers. The installation and calibration of the equipment required about two weeks to complete. All meteorological parameters were in full operation and producing valid data by April 30, 2012. An evaporation pan and manual precipitation gauge were added to the system on June 23, 2015.

Jeff Bell of Bison conducted performance audits of the meteorological system on June 18, 2015, and made any necessary calibration adjustments to the meteorological system following the audits. Both temperature sensors were replaced and calibrated after the audits were completed. The Bison report of the audits is presented in Appendix B.

Manual measurements of evaporation and precipitation were recorded by Tintina's on-site personnel two to three times per week.

3.0 CALIBRATION DATA

As discussed in Section 4.0, the system's as-found condition was audited on June 18, 2015. Both temperature sensors were replaced and calibrated after the audits were completed. See audit form in appendix B for the results of the calibration.

Otherwise, no calibration adjustments were made to the meteorological system.

4.0 PERFORMANCE AUDIT DATA

Jeff Bell of Bison conducted performance audits of the meteorological system on June 18, 2015. Both temperature sensors were replaced and calibrated after the audits were completed. Otherwise, no calibration adjustments were made to the system. The Bison report of the audits is presented in Appendix B.

5.0 DATA COMPLETENESS

The meteorological percentages of data recovery achieved during the second quarter of 2015 are given in Tables 1 and 2. In these tables, the number of possible data values during each month of the quarter is given, together with the number of valid readings and the number of hours spent on quality assurance activities (such as calibrations, performance audits, and maintenance on the sensors). The quality assurance hours are added to the number of hours of valid data to compute the net percentage data recovery.

During the second quarter the net percentage data recovery was 99.7 percent for wind speed and 100.0 percent for all other parameters at the site. The loss of data was due to the wind speed cups being frozen in place because of weather.

Table 1. Monthly Data Completeness

April 2015					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	720	714	99.2	0	99.2
Wind Direction	720	720	100.0	0	100.0
Standard Deviation	720	720	100.0	0	100.0
Temperature 9 Meters	720	720	100.0	0	100.0
Temperature 2 Meters	720	720	100.0	0	100.0
Temperature Delta T	720	720	100.0	0	100.0
Solar Radiation	720	720	100.0	0	100.0
Barometric Pressure	720	720	100.0	0	100.0
Relative Humidity	720	720	100.0	0	100.0
Precipitation	720	720	100.0	0	100.0
Total	7,200	7,194	99.9	0	99.9

Table 1. Monthly Data Completeness (Continued)

May 2015					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	744	100.0	0	100.0
Wind Direction	744	744	100.0	0	100.0
Standard Deviation	744	744	100.0	0	100.0
Temperature 9 Meters	744	744	100.0	0	100.0
Temperature 2 Meters	744	744	100.0	0	100.0
Temperature Delta T	744	744	100.0	0	100.0
Solar Radiation	744	744	100.0	0	100.0
Barometric Pressure	744	744	100.0	0	100.0
Relative Humidity	744	744	100.0	0	100.0
Precipitation	744	744	100.0	0	100.0
Total	7,440	7,440	100.0	0	100.0

Table 1. Monthly Data Completeness (Continued)

June 2015					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	720	716	99.4	4	100.0
Wind Direction	720	716	99.4	4	100.0
Standard Deviation	720	716	99.4	4	100.0
Temperature 9 Meters	720	716	99.4	4	100.0
Temperature 2 Meters	720	716	99.4	4	100.0
Temperature Delta T	720	716	99.4	4	100.0
Solar Radiation	720	716	99.4	4	100.0
Barometric Pressure	720	716	99.4	4	100.0
Relative Humidity	720	716	99.4	4	100.0
Precipitation	720	716	99.4	4	100.0
Total	7,200	7,160	99.4	40	100.0

Table 2. Quarterly Data Completeness

Second Quarter 2015					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	2,184	2,174	99.5	4	99.7
Wind Direction	2,184	2,180	99.8	4	100.0
Standard Deviation	2,184	2,180	99.8	4	100.0
Temperature 9 Meters	2,184	2,180	99.8	4	100.0
Temperature 2 Meters	2,184	2,180	99.8	4	100.0
Temperature Delta T	2,184	2,180	99.8	4	100.0
Solar Radiation	2,184	2,180	99.8	4	100.0
Barometric Pressure	2,184	2,180	99.8	4	100.0
Relative Humidity	2,184	2,180	99.8	4	100.0
Precipitation	2,184	2,180	99.8	4	100.0
Total	21,840	21,794	99.8	40	100.0

Table 3. Periods of Missing Data

First Quarter 2015						
Starting Date/Hour	Ending Date/Hour	Site	Parameter	Total Hours	Percent of Month	Circumstance
Apr 25/3	Apr 25/8	Met Tower	Wind Speed	6	0.27	Missing data: Cups frozen in place.

6.0 MONITORING DATA

The hourly data values collected at the monitoring sites are given in the data tables in Appendix A. Each of these tables presents one month's data for one parameter in the monitoring system. In addition, the average, maximum, and minimum values for each parameter for each day are listed (for wind direction, the prevailing wind direction for the day is given). For those hours with missing data, a code is given that explains the reason the data were missing. These codes are given in Table 4.

Monthly and quarterly wind rose distributions from the monitoring site are presented in Tables 5 through 8. These tables give the percentage frequency of occurrence of winds from 16 cardinal directions and from 22 wind speed ranges. These same data are presented graphically in Figures 2 through 5. In the wind rose figures, the length of each "petal" of the rose is proportional to the percentage of time the wind blew from that direction. On the bottom of each figure is a histogram showing the average wind speed from each of the cardinal wind directions.

A separate compilation of data collected from the evaporation pan and manual rain gauge is presented in Appendix C. For comparison purposes, the precipitation amounts reported by the automatic rain gauge over the same time periods are provided. Overall, the precipitation amounts obtained from the manual gauge were very similar to those reported by the automated gauge.

Table 4. Missing Data Codes

Mnemonic Code	Description	Equivalent EPA Null Value Reason Code
Sc	Scheduled but not collected	9972
Ti	Sample time out of limits	9973
Fi	Filter damage	9976
Op	Voided by operator	9978
ND	Machine malfunction	9980
Wx	Bad weather	9981
Co	Collection error	9983
Lb	Lab error	9984
QA	Poor quality assurance results	9985
Pwr	Power failure	9988
Wi	Wildlife damage	9989
AZ	Automatic zero/span check	9991
ZS	Manual zero/span check	9986
Au	Performance audit	9992
Ma	Routine maintenance/repairs	9993
Ca	Multipoint calibration	9995
PZ	Precision/zero/span	9998

Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

April 2015																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.6	1.1	1.3	1.4	1.9	1.7	2.6	1.3	0.8	0.6	0.4	0.3	0.4	0.8	2.2	1.5	18.9
	1.1 - 2.0	0.6	0.6	0.6	1.8	2.9	4.2	3.3	1.8	0.6	0.3	0.4	0.4	1.1	1.3	2.1	0.1	21.9
	2.1 - 3.0	0.1	0.1	0.4	0.6	2.8	2.1	0.1	0.7	0.6	0.0	0.4	0.7	1.4	2.5	1.8	0.3	14.6
	3.1 - 4.0	0.0	0.4	0.4	1.0	0.6	0.0	0.4	0.6	0.4	0.3	0.6	2.4	3.3	1.9	1.1	0.4	13.8
	4.1 - 5.0	0.3	0.1	0.0	0.3	0.4	0.0	0.0	1.0	0.7	0.4	0.1	1.4	2.2	2.1	1.1	0.4	10.6
	5.1 - 6.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.1	0.3	0.6	0.8	1.5	1.5	0.8	0.1	7.4
	6.1 - 7.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.0	1.0	1.5	1.3	0.0	0.3	4.9
	7.1 - 8.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.1	1.5	0.4	0.3	0.1	3.2
	8.1 - 9.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	1.1	0.1	0.3	0.0	2.2
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.1	0.0	0.0	1.3
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.1	0.0	0.0	1.3
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	2.1	2.9	2.6	5.0	8.6	7.9	6.5	6.7	3.2	2.2	3.1	7.5	16.4	12.2	9.7	3.3	100.0
	Average Speed	2.8	2.7	1.7	2.0	1.9	1.6	1.3	3.0	2.6	3.6	3.9	4.4	5.5	4.0	2.8	2.8	3.2

Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

May 2015																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.4	0.7	0.7	0.8	1.6	1.3	0.9	0.7	0.4	1.2	0.1	0.1	0.1	0.4	0.4	1.3	11.3
	1.1 - 2.0	0.4	0.4	2.0	1.9	3.0	3.6	3.4	1.9	0.9	0.8	0.3	0.9	0.8	1.3	0.7	0.8	23.1
	2.1 - 3.0	0.3	0.1	0.3	1.3	2.2	2.8	1.1	1.6	0.7	0.3	0.4	0.1	1.2	0.7	0.5	0.5	14.1
	3.1 - 4.0	0.9	0.3	0.3	2.0	1.5	1.2	2.8	2.8	0.7	0.3	0.5	0.4	0.5	0.4	1.6	1.5	17.7
	4.1 - 5.0	0.8	0.3	0.4	1.1	1.2	0.5	3.0	2.6	0.5	0.1	0.1	1.1	0.7	0.8	0.9	1.2	15.3
	5.1 - 6.0	0.3	0.1	0.0	1.1	0.5	0.5	1.2	2.3	0.0	0.0	0.1	0.0	0.5	0.3	0.4	0.5	7.9
	6.1 - 7.0	0.0	0.1	0.0	0.1	0.1	0.0	1.1	2.0	0.0	0.1	0.0	0.3	0.4	0.4	0.0	0.1	4.8
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	1.6
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.5	0.0	0.0	0.0	0.3	0.4	0.0	0.0	0.0	3.1
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.7
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	3.1	2.0	3.6	8.3	10.1	10.1	15.3	16.7	3.2	2.8	1.6	3.4	4.7	4.4	4.6	6.0	100.0
	Average Speed	3.2	2.5	1.9	3.1	2.5	2.3	4.0	4.7	2.6	1.8	3.0	3.9	4.0	3.3	3.3	3.0	3.4

Table 7. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

June 2015																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.5	1.0	1.0	0.3	1.4	1.5	1.0	0.3	0.4	0.6	0.1	0.4	0.3	0.4	1.0	0.8	12.0
	1.1 - 2.0	2.1	1.1	2.8	3.9	4.8	4.3	3.4	1.4	0.3	0.8	0.6	0.4	0.6	0.7	0.8	1.4	29.4
	2.1 - 3.0	0.6	0.3	1.5	3.2	4.9	1.7	0.8	1.1	0.4	0.4	0.3	0.8	1.5	2.1	2.1	1.3	23.1
	3.1 - 4.0	0.3	0.3	0.4	1.4	1.3	0.3	0.4	0.7	0.4	0.1	0.8	1.8	2.7	2.5	1.5	0.3	15.2
	4.1 - 5.0	0.0	0.3	0.4	0.0	0.1	0.3	0.3	0.3	0.1	0.0	0.3	2.0	1.7	1.8	1.5	0.6	9.7
	5.1 - 6.0	0.0	0.3	0.0	0.1	0.3	0.1	0.6	0.1	0.0	0.3	0.0	0.8	1.1	0.3	1.0	0.4	5.5
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.0	0.0	0.0	0.1	0.6	0.0	0.3	0.0	1.7
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.1	0.0	0.0	0.1	0.0	0.6	0.4	0.3	0.0	2.1
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.1	0.0	0.8
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.0	0.6
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	4.5	3.2	6.2	9.0	12.7	8.3	7.3	4.5	1.7	2.2	2.2	6.4	9.8	8.4	9.0	4.8	100.0
	Average Speed	1.4	2.1	1.9	2.2	2.2	1.8	2.7	3.0	2.4	2.0	3.0	3.7	4.4	3.5	3.7	2.6	2.8

Table 8. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower

Second Quarter 2015																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.8	0.9	1.0	0.8	1.7	1.5	1.5	0.7	0.6	0.8	0.2	0.3	0.3	0.6	1.2	1.2	14.0
	1.1 - 2.0	1.0	0.7	1.8	2.5	3.5	4.0	3.4	1.7	0.6	0.6	0.4	0.6	0.8	1.1	1.2	0.8	24.8
	2.1 - 3.0	0.3	0.2	0.7	1.7	3.3	2.2	0.7	1.1	0.6	0.2	0.4	0.6	1.4	1.7	1.5	0.7	17.2
	3.1 - 4.0	0.4	0.3	0.4	1.5	1.1	0.5	1.2	1.4	0.5	0.2	0.6	1.5	2.2	1.6	1.4	0.7	15.6
	4.1 - 5.0	0.4	0.2	0.3	0.5	0.6	0.3	1.1	1.3	0.5	0.2	0.2	1.5	1.5	1.6	1.2	0.7	11.9
	5.1 - 6.0	0.2	0.1	0.0	0.4	0.3	0.2	0.6	1.2	0.0	0.2	0.2	0.6	1.1	0.7	0.7	0.4	6.9
	6.1 - 7.0	0.0	0.1	0.0	0.0	0.0	0.0	0.5	0.9	0.0	0.1	0.0	0.5	0.8	0.6	0.1	0.1	3.8
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.0	0.1	0.1	0.1	0.7	0.3	0.2	0.0	2.3
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.0	0.0	0.1	0.2	0.7	0.0	0.1	0.0	2.1
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.4	0.1	0.1	0.0	0.8
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.5
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	3.2	2.7	4.1	7.4	10.5	8.8	9.8	9.4	2.7	2.4	2.3	5.7	10.2	8.3	7.7	4.7	100.0
	Average Speed	2.3	2.4	1.9	2.5	2.2	2.0	3.1	4.0	2.5	2.4	3.4	4.1	4.9	3.7	3.3	2.8	3.1

Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower

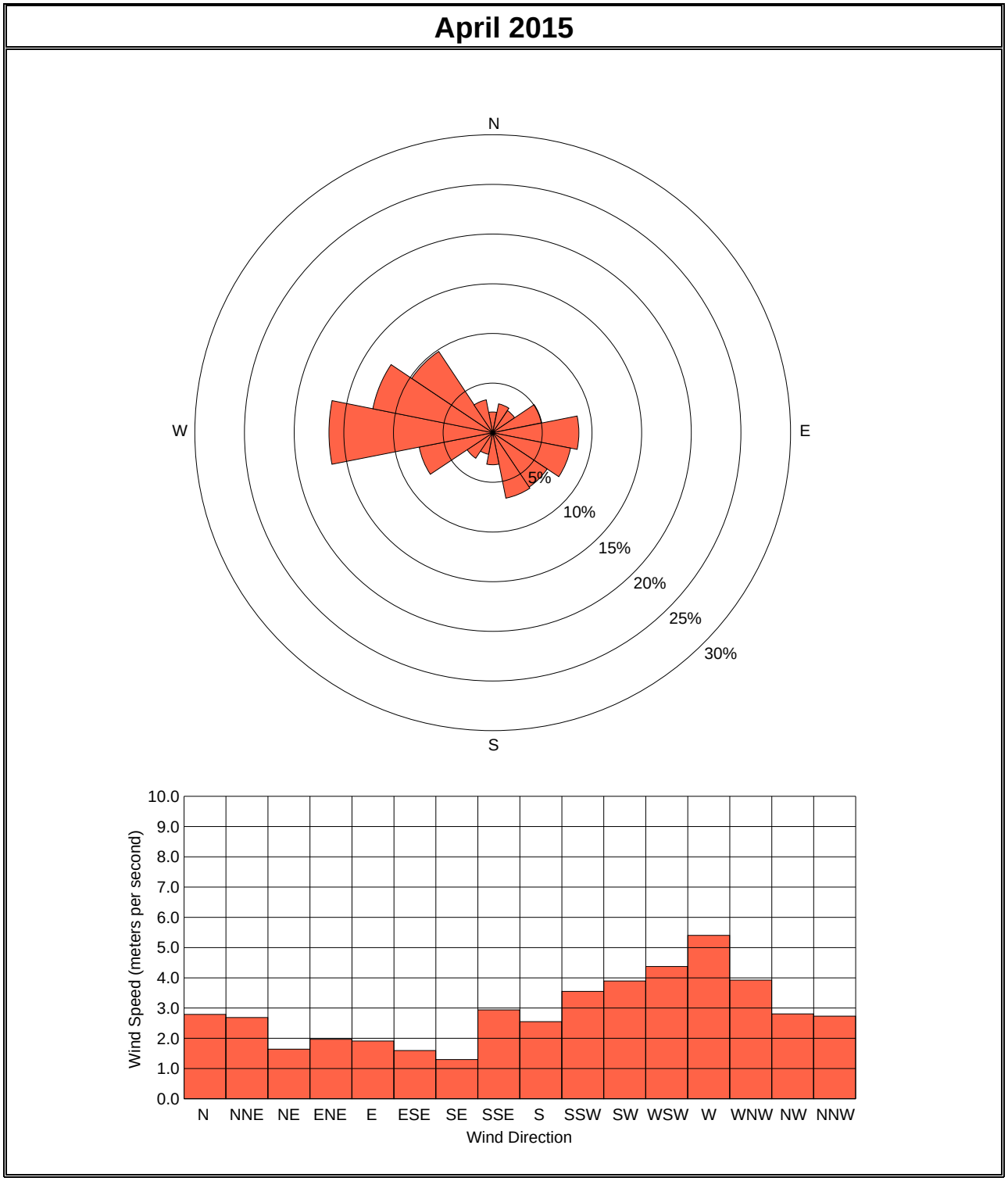


Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower

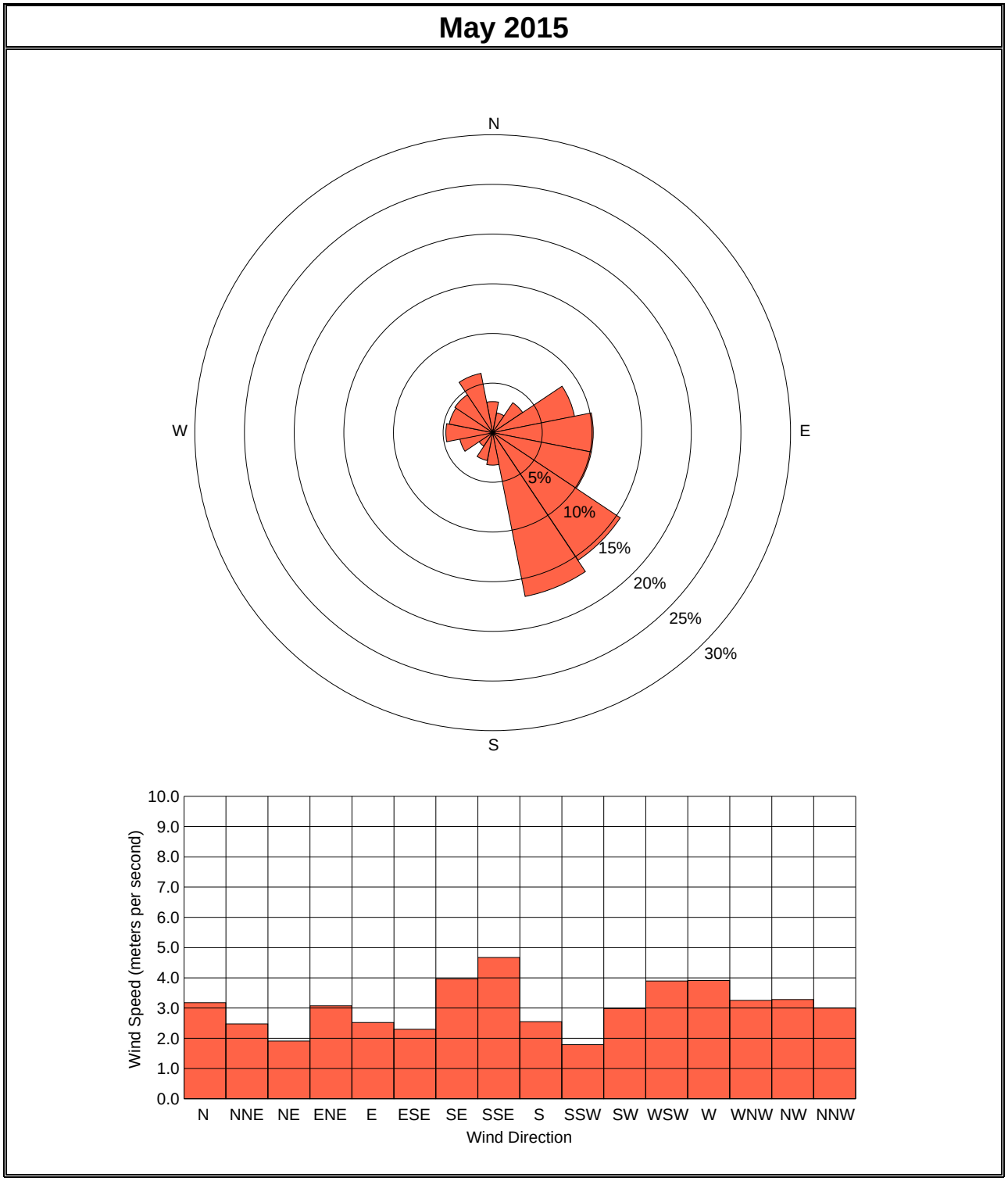


Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower

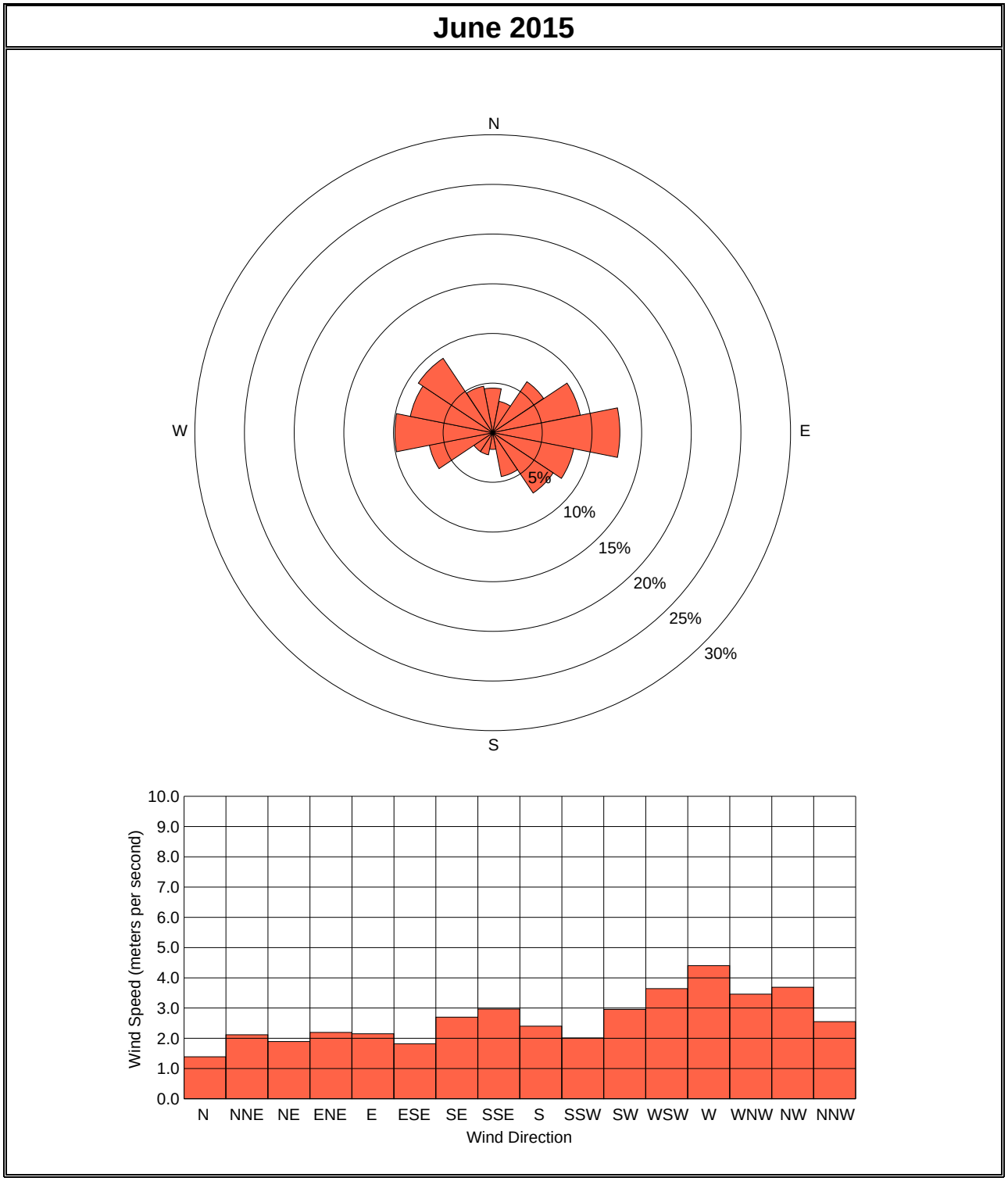
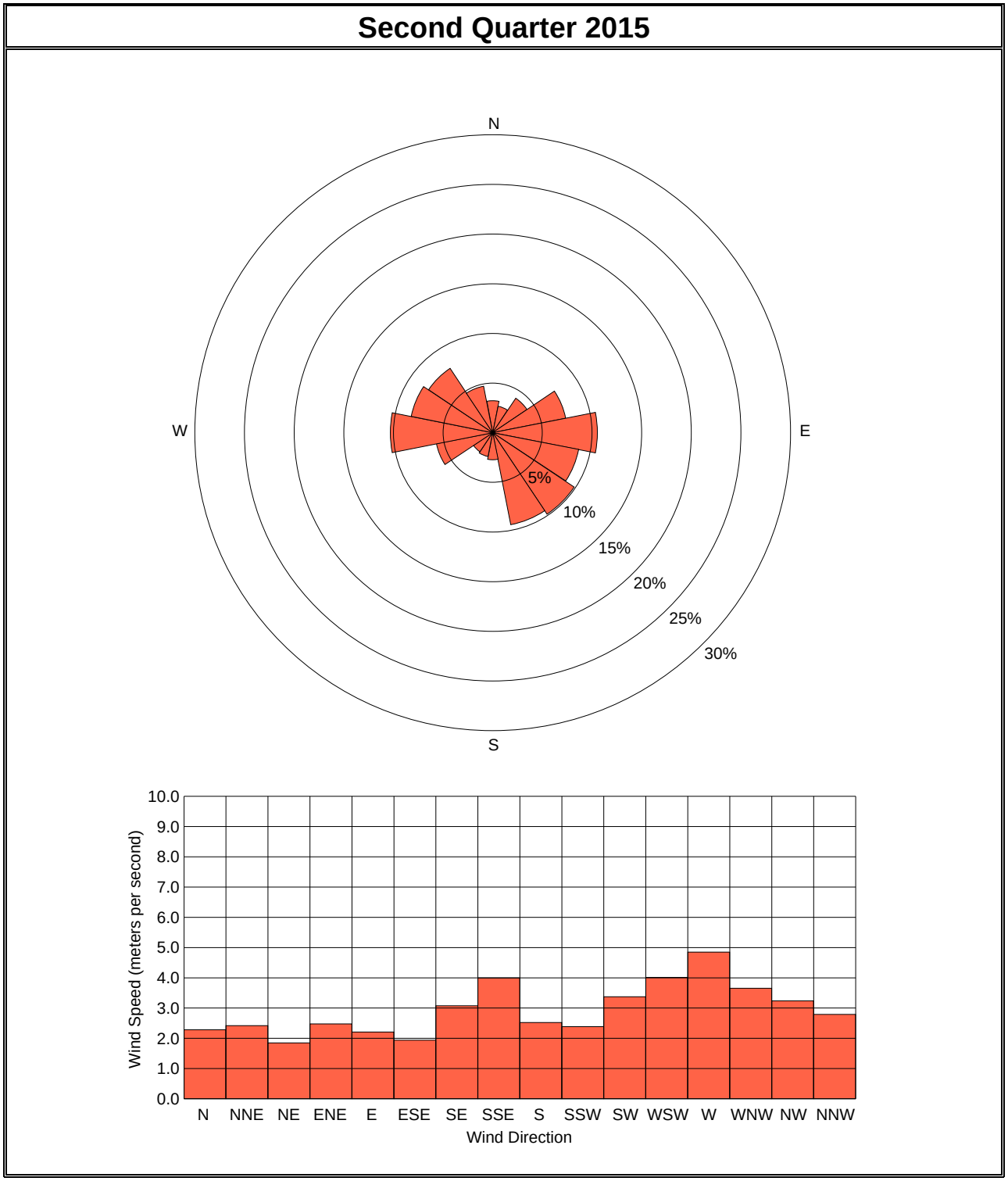


Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower



APPENDIX A: HOURLY METEOROLOGICAL DATA, SECOND QUARTER 2015

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
April 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	5.0	5.4	6.3	7.4	7.3	7.6	4.4	7.2	10.1	10.6	9.3	9.4	10.2	9.9	10.1	10.0	10.3	9.9	8.8	6.9	5.2	3.6	3.8	5.2	7.7	10.6	3.6
2	4.8	3.8	3.7	4.6	3.4	3.6	1.9	3.1	4.9	4.4	5.3	4.6	4.4	5.1	4.7	3.6	4.5	4.7	4.2	3.6	2.1	1.5	1.1	0.9	3.7	5.3	0.9
3	1.5	1.2	1.1	0.8	1.0	1.0	1.6	0.9	4.2	6.2	6.1	5.6	6.3	6.3	5.3	4.8	3.9	4.8	4.5	2.6	1.2	1.7	2.4	1.0	3.2	6.3	0.8
4	3.0	1.0	1.4	0.8	1.0	1.0	0.8	0.9	1.6	5.2	2.5	2.3	4.1	5.5	5.8	3.6	3.9	6.0	2.7	0.7	0.7	1.0	0.8	0.8	2.4	6.0	0.7
5	0.7	0.8	0.7	0.9	0.6	0.6	0.5	0.6	0.8	0.9	1.5	2.0	2.5	1.6	2.0	2.7	1.8	1.9	2.3	2.3	2.6	1.7	3.1	3.9	1.6	3.9	0.5
6	4.4	4.9	5.0	4.8	5.3	5.5	5.9	6.3	5.8	6.3	5.4	3.8	2.9	2.7	4.6	5.2	2.9	1.4	0.8	2.4	3.3	1.3	0.8	1.9	3.9	6.3	0.8
7	1.2	1.3	0.9	0.7	0.7	0.6	0.4	0.3	0.4	0.7	2.9	3.4	3.2	2.8	2.5	1.8	2.2	1.4	2.4	1.5	1.9	3.7	2.3	0.7	1.7	3.7	0.3
8	0.7	0.7	0.6	0.9	0.9	1.1	0.9	0.8	1.9	3.8	4.4	2.5	2.9	3.1	3.8	3.7	4.7	3.6	4.6	2.1	1.1	1.0	1.0	0.9	2.2	4.7	0.6
9	0.6	0.4	0.7	0.9	1.1	0.7	1.0	0.6	0.7	1.3	3.2	4.0	4.2	3.4	3.4	3.4	3.4	2.6	1.8	1.6	2.3	1.8	1.9	2.3	2.0	4.2	0.4
10	1.6	1.7	1.4	1.3	0.7	1.1	1.2	0.7	1.7	4.8	5.3	4.7	6.0	5.2	7.0	7.2	5.6	3.3	3.5	1.1	2.1	2.9	1.6	1.4	3.0	7.2	0.7
11	1.7	1.1	1.5	2.1	1.4	1.3	1.0	0.9	3.3	5.8	8.7	8.1	7.7	8.3	8.4	8.2	9.8	6.5	7.5	4.9	4.9	7.9	7.9	8.2	5.3	9.8	0.9
12	7.3	5.1	4.3	3.6	5.0	4.8	6.8	8.9	9.4	10.7	9.8	8.9	10.7	11.2	10.2	10.0	9.0	8.0	7.2	6.4	5.8	7.0	5.9	6.5	7.6	11.2	3.6
13	5.7	1.6	1.8	1.8	1.4	1.5	1.4	1.6	1.3	3.8	5.0	4.6	3.6	6.0	7.1	7.2	7.1	6.4	4.1	4.1	4.8	4.3	4.7	5.8	4.0	7.2	1.3
14	3.1	2.5	1.4	0.9	1.4	2.6	4.3	5.1	5.5	5.4	7.3	8.6	6.9	3.4	4.0	10.2	4.8	5.7	6.8	7.4	6.1	5.7	6.8	6.1	5.1	10.2	0.9
15	4.2	6.0	5.5	5.3	6.8	8.3	8.4	5.4	4.5	3.8	5.4	5.2	6.5	6.6	7.2	7.3	5.8	5.5	1.9	1.0	1.4	1.7	1.6	1.7	4.9	8.4	1.0
16	1.2	1.1	1.1	0.8	0.8	1.0	0.8	0.5	0.7	0.6	1.3	1.5	2.3	2.6	2.3	2.3	2.5	2.2	1.8	2.6	4.0	3.3	2.6	2.0	1.7	4.0	0.5
17	1.9	1.2	1.2	0.8	0.5	0.7	0.8	0.6	0.9	1.6	3.1	4.5	3.4	2.8	3.1	3.1	3.4	3.9	2.5	2.5	4.2	4.0	2.9	2.3	2.3	4.5	0.5
18	1.7	1.0	1.4	0.7	0.5	0.9	0.7	0.7	4.0	8.3	8.0	7.4	6.1	5.0	5.4	6.7	8.1	6.9	4.8	2.7	1.8	1.2	1.9	1.2	3.6	8.3	0.5
19	1.3	0.5	0.7	0.7	0.7	0.8	0.4	0.7	1.1	2.1	2.4	2.3	3.7	3.2	2.6	3.9	4.2	3.2	3.3	1.2	1.3	1.8	0.9	1.2	1.8	4.2	0.4
20	1.0	1.0	0.6	1.1	1.3	0.9	0.9	0.6	1.0	4.1	5.3	6.2	5.9	6.3	6.5	6.6	6.0	5.6	4.3	1.5	2.3	2.1	2.4	1.9	3.1	6.6	0.6
21	1.6	1.2	1.0	0.6	1.0	0.9	1.4	0.6	0.7	2.5	2.7	3.8	2.9	2.9	2.7	3.3	2.5	2.5	2.2	2.6	4.9	4.3	1.2	1.6	2.1	4.9	0.6
22	1.7	1.7	2.1	1.9	1.4	0.6	1.2	0.5	0.7	1.8	3.1	3.7	4.8	3.6	4.5	4.3	7.2	8.7	2.8	3.3	6.5	1.6	1.5	1.0	2.9	8.7	0.5
23	1.7	1.4	1.3	1.0	1.0	1.2	0.6	0.8	1.1	2.8	4.3	4.4	4.1	4.4	3.6	3.7	4.4	4.5	2.6	1.7	1.4	2.7	2.0	2.0	2.4	4.5	0.6
24	1.6	1.9	2.4	1.3	1.4	0.5	0.8	0.7	0.8	1.3	3.5	3.0	2.9	3.2	4.0	4.7	3.8	2.6	5.5	4.1	2.5	1.8	1.2	1.7	2.4	5.5	0.5
25	1.7	0.7	Wx	Wx	Wx	Wx	Wx	Wx	1.5	2.3	2.6	3.8	2.9	2.9	4.0	4.0	3.1	2.9	3.1	1.0	1.4	0.8	1.1	1.3	2.3	4.0	0.7
26	0.8	1.4	2.6	3.6	2.8	2.5	3.3	3.4	1.8	0.9	2.2	3.2	4.9	3.8	2.8	3.7	4.6	3.9	3.4	2.4	1.5	1.2	1.2	1.6	2.6	4.9	0.8
27	0.7	1.2	0.6	0.7	0.7	0.7	0.5	0.6	1.2	2.4	3.7	4.7	3.6	3.8	3.6	3.8	3.5	3.1	2.5	2.0	4.3	3.1	2.9	2.4	2.3	4.7	0.5
28	1.9	1.6	1.5	1.6	1.9	1.6	1.5	0.9	3.4	2.0	2.3	3.5	4.1	3.5	3.4	2.5	2.3	2.1	1.7	2.6	4.0	4.3	3.4	2.2	2.5	4.3	0.9
29	2.3	2.5	2.1	1.8	2.3	2.1	2.3	1.1	1.3	3.1	3.5	4.9	4.5	3.5	4.0	5.7	5.8	4.4	4.8	3.0	2.4	2.6	0.9	1.6	3.0	5.8	0.9
30	1.8	1.7	1.0	1.1	1.2	1.0	1.2	2.7	4.9	5.8	5.5	5.9	5.9	6.7	6.3	7.3	6.9	6.7	4.3	3.7	1.9	2.9	1.8	1.5	3.7	7.3	1.0
Avg	2.3	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.7	3.8	4.5	4.7	4.8	4.6	4.8	5.2	4.9	4.5	3.8	2.9	3.0	2.8	2.5	2.4	3.3	6.2	0.9
Max	7.3	6.0	6.3	7.4	7.3	8.3	8.4	8.9	10.1	10.7	9.8	9.4	10.7	11.2	10.2	10.2	10.3	9.9	8.8	7.4	6.5	7.9	7.9	8.2	7.7	11.2	3.6
Min	0.6	0.4	0.6	0.6	0.5	0.5	0.4	0.3	0.4	0.6	1.3	1.5	2.3	1.6	2.0	1.8	1.8	1.4	0.8	0.7	0.7	0.8	0.8	0.7	1.6	3.7	0.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
May 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.5	1.6	1.4	1.4	1.5	1.9	0.9	0.9	1.0	1.3	3.6	4.4	3.3	4.9	5.9	6.8	7.1	6.3	5.6	4.1	2.5	1.0	2.0	2.9	3.1	7.1	0.9
2	2.3	2.4	1.5	1.5	1.0	0.8	0.5	0.6	5.6	8.1	9.5	8.7	8.4	8.9	8.4	6.8	6.9	6.7	4.6	2.2	1.1	1.3	1.9	1.1	4.2	9.5	0.5
3	1.4	0.8	1.3	1.1	0.6	0.6	0.7	3.2	4.1	3.4	3.1	2.8	2.8	4.1	3.5	2.0	5.1	5.7	5.4	3.8	1.8	1.4	2.0	1.9	2.6	5.7	0.6
4	2.2	1.7	1.3	0.9	0.9	0.8	0.8	0.7	3.3	2.9	4.1	4.1	3.4	4.3	5.0	4.6	4.0	3.9	2.7	2.6	3.4	3.1	2.1	2.0	2.7	5.0	0.7
5	1.6	1.2	1.4	1.1	1.0	0.9	0.9	0.8	1.7	3.3	3.0	3.1	3.6	3.3	6.1	4.9	3.2	3.3	2.2	2.2	2.8	1.0	1.0	1.3	2.3	6.1	0.8
6	0.9	1.0	1.0	2.6	3.6	3.9	3.6	3.9	3.7	4.5	5.9	4.4	4.2	3.3	3.8	4.4	5.2	6.8	4.5	4.0	4.1	4.9	5.5	5.5	4.0	6.8	0.9
7	5.0	4.6	1.9	4.8	5.5	6.0	5.6	4.5	2.7	2.5	3.3	2.8	3.5	5.7	6.1	6.3	4.7	4.9	3.7	3.7	3.1	3.4	1.6	1.3	4.0	6.3	1.3
8	1.1	1.6	1.2	0.7	0.6	0.6	0.6	0.7	2.1	4.7	3.8	2.3	2.9	2.4	1.6	3.3	1.9	1.1	0.9	0.9	0.6	1.1	1.4	1.4	1.6	4.7	0.6
9	1.5	1.5	1.7	1.5	1.1	1.3	0.6	1.0	4.7	6.7	6.0	6.3	5.2	2.4	4.8	7.0	4.9	5.2	6.2	5.0	2.3	1.4	1.2	1.2	3.4	7.0	0.6
10	1.4	1.4	0.9	0.7	1.0	0.6	0.6	0.6	1.8	3.2	3.6	4.5	4.7	3.4	3.9	3.1	5.0	5.2	3.6	3.3	3.4	3.8	1.2	1.2	2.6	5.2	0.6
11	0.9	1.3	1.0	1.2	1.2	1.3	0.6	0.7	1.8	1.5	2.4	3.4	3.2	3.0	2.5	1.6	2.9	2.5	3.3	4.4	4.3	5.5	4.5	3.0	2.4	5.5	0.6
12	2.0	1.2	2.7	2.8	1.8	1.2	2.9	4.2	4.4	6.1	6.1	3.7	6.0	5.2	5.4	3.8	5.0	4.9	3.1	3.8	3.7	3.3	3.5	2.1	3.7	6.1	1.2
13	1.9	3.1	3.2	3.4	3.9	3.1	5.4	5.7	7.5	7.9	9.0	6.3	4.4	3.8	4.1	4.1	4.7	3.9	4.2	3.8	3.5	1.8	1.6	2.5	4.3	9.0	1.6
14	1.4	1.3	1.4	0.8	3.1	3.3	3.0	3.0	7.4	7.7	8.1	8.7	7.5	8.5	10.1	8.0	4.0	4.0	6.3	4.0	4.2	3.9	3.8	4.8	4.9	10.1	0.8
15	3.4	5.2	3.8	3.8	2.7	4.4	4.0	5.3	5.4	6.0	8.6	6.8	5.5	6.5	5.4	5.2	4.0	5.6	4.3	2.8	1.9	1.4	0.9	3.1	4.4	8.6	0.9
16	3.7	3.6	3.8	3.8	1.3	1.3	2.6	4.1	3.9	3.5	3.2	5.2	5.2	4.2	4.6	3.4	4.6	5.8	5.8	5.8	5.4	4.4	3.7	2.5	4.0	5.8	1.3
17	3.8	4.2	3.0	2.0	2.3	1.9	4.1	3.5	3.9	4.4	4.7	2.9	4.1	4.5	6.5	5.1	4.3	4.0	4.7	2.2	2.2	2.0	1.4	1.3	3.5	6.5	1.3
18	1.4	1.2	2.1	4.8	4.5	2.7	4.1	4.8	6.0	7.3	8.1	8.5	8.8	9.1	9.1	8.7	8.2	5.8	4.5	4.7	4.8	4.6	4.0	4.0	5.5	9.1	1.2
19	4.2	4.2	3.2	2.7	3.9	4.0	3.3	4.7	4.6	5.4	5.7	8.1	7.0	4.5	4.5	4.4	5.9	6.0	7.4	6.9	3.0	1.9	2.5	2.2	4.6	8.1	1.9
20	3.5	2.3	3.0	4.9	2.5	3.3	5.7	8.0	8.5	8.8	8.0	8.2	8.7	9.2	9.7	9.0	8.5	7.0	6.2	3.9	1.2	1.0	2.1	3.1	5.7	9.7	1.0
21	2.8	2.3	1.3	1.1	0.9	0.9	1.0	2.3	5.5	4.7	4.4	4.4	6.2	6.9	9.0	10.4	7.8	6.9	6.1	4.2	2.3	1.1	2.1	1.8	4.0	10.4	0.9
22	1.2	0.9	0.9	0.7	1.3	1.8	1.0	1.0	1.1	2.0	2.5	3.1	5.5	5.1	6.8	6.4	5.9	6.0	4.4	2.1	1.6	3.5	2.8	1.2	2.9	6.8	0.7
23	1.0	2.0	1.1	1.5	1.0	0.8	1.2	1.0	2.0	3.4	2.5	2.8	2.2	4.3	2.7	3.3	2.0	1.3	1.6	1.6	1.5	1.4	1.2	1.0	1.8	4.3	0.8
24	0.8	1.4	1.1	0.9	0.7	0.9	1.3	1.1	2.4	3.1	2.5	4.2	3.5	4.4	3.9	4.2	3.6	3.5	2.1	1.7	0.9	1.8	2.4	1.8	2.3	4.4	0.7
25	1.9	1.6	1.9	1.1	1.3	0.7	0.9	0.8	1.6	2.9	3.0	2.2	2.5	5.6	5.5	4.0	3.1	5.0	4.2	1.9	3.7	2.6	1.3	1.2	2.5	5.6	0.7
26	1.7	1.2	3.1	1.2	1.0	1.5	0.9	0.8	1.0	0.9	1.4	1.9	2.1	4.5	3.3	4.0	4.6	2.3	3.2	2.2	1.7	2.4	1.8	1.6	2.1	4.6	0.8
27	1.0	1.1	1.2	1.5	1.1	1.8	2.0	2.3	3.1	2.9	4.8	4.0	4.4	5.6	4.2	5.3	4.4	3.8	4.7	5.0	1.8	2.5	1.9	1.6	3.0	5.6	1.0
28	1.5	1.8	1.8	1.5	1.7	0.9	1.0	0.6	0.9	1.6	2.7	1.6	2.0	4.3	5.0	4.8	4.2	4.3	3.7	3.0	3.0	2.9	3.7	3.3	2.6	5.0	0.6
29	2.3	2.0	1.4	1.5	1.2	2.4	1.8	4.0	5.6	4.5	4.2	3.8	4.4	4.3	4.2	4.7	6.2	6.5	6.5	4.1	3.1	4.3	2.4	3.9	3.7	6.5	1.2
30	2.0	1.4	2.3	1.9	1.7	1.7	2.0	2.5	3.3	3.4	1.8	4.0	4.7	4.8	6.8	4.0	2.6	1.3	0.8	0.8	1.8	2.8	2.5	2.5	2.6	6.8	0.8
31	1.9	2.5	2.1	1.2	1.3	1.4	1.1	0.7	0.5	1.1	3.0	4.3	4.9	5.4	6.6	6.3	6.0	4.0	2.1	3.1	2.7	5.3	2.6	3.5	3.1	6.6	0.5
Avg	2.0	2.1	1.9	2.0	1.8	1.9	2.1	2.5	3.6	4.2	4.6	4.6	4.7	5.0	5.5	5.2	4.9	4.6	4.1	3.3	2.7	2.7	2.3	2.3	3.4	6.7	0.9
Max	5.0	5.2	3.8	4.9	5.5	6.0	5.7	8.0	8.5	8.8	9.5	8.7	8.8	9.2	10.1	10.4	8.5	7.0	7.4	6.9	5.4	5.5	5.5	5.5	5.7	10.4	1.9
Min	0.8	0.8	0.9	0.7	0.6	0.6	0.5	0.6	0.5	0.9	1.4	1.6	2.0	2.4	1.6	1.6	1.9	1.1	0.8	0.8	0.6	1.0	0.9	1.0	1.6	4.3	0.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
June 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	2.4	2.0	1.3	2.2	2.3	2.4	1.9	0.9	1.0	1.6	1.5	2.3	2.9	2.2	4.3	5.7	7.6	9.5	4.8	1.9	1.8	3.1	3.7	1.8	3.0	9.5	0.9
2	2.1	2.4	1.6	1.4	1.0	1.3	0.8	1.1	3.1	2.0	2.8	5.7	3.8	4.8	5.9	5.4	2.4	3.7	2.9	1.2	1.4	1.9	0.9	1.4	2.5	5.9	0.8
3	1.1	1.6	2.0	2.6	2.1	1.2	0.8	0.9	1.8	2.4	3.1	3.2	3.8	5.1	2.4	4.5	1.5	2.0	3.0	2.7	6.9	3.3	1.3	2.1	2.6	6.9	0.8
4	2.5	2.4	1.8	1.2	1.0	0.7	0.6	1.0	1.1	1.3	1.8	1.9	2.2	2.2	2.2	4.1	2.8	2.8	2.8	3.8	2.9	2.7	2.4	2.1	2.1	4.1	0.6
5	1.8	2.6	1.4	0.8	1.2	1.0	1.3	0.8	1.0	2.5	3.4	3.2	2.2	3.6	1.9	2.7	4.8	2.1	2.5	5.6	3.6	1.9	1.7	1.2	2.3	5.6	0.8
6	1.8	1.4	0.9	0.7	0.5	0.9	0.8	0.8	1.3	2.1	2.9	3.5	3.2	4.5	4.3	4.8	4.6	3.1	2.4	2.8	1.3	0.9	1.7	2.2	2.2	4.8	0.5
7	3.0	2.7	3.2	3.0	2.2	1.6	1.0	0.6	1.3	4.1	3.6	3.4	4.0	5.1	4.3	4.1	3.6	3.7	2.2	1.2	1.5	2.6	3.0	2.2	2.8	5.1	0.6
8	1.8	1.8	1.6	1.4	1.3	1.6	0.7	0.9	2.1	3.8	3.9	4.1	5.2	5.8	6.3	6.0	5.6	5.6	4.9	3.5	2.5	2.5	2.5	2.4	3.2	6.3	0.7
9	1.8	1.9	1.2	1.5	1.1	1.1	0.9	0.7	1.1	2.5	3.3	4.2	3.9	3.0	2.6	3.5	4.6	4.5	5.3	3.3	2.1	3.3	2.8	3.0	2.6	5.3	0.7
10	2.7	4.0	2.8	1.5	1.5	1.9	1.2	1.3	5.0	4.2	4.7	4.8	5.3	6.2	7.0	5.8	4.5	3.9	3.3	4.3	2.2	3.6	2.3	2.1	3.6	7.0	1.2
11	2.4	1.7	1.9	1.4	2.0	0.7	0.6	0.7	2.0	3.8	4.3	4.8	4.8	3.5	4.1	4.1	4.0	4.8	4.4	3.3	1.8	1.8	2.1	2.1	2.8	4.8	0.6
12	2.3	1.4	1.8	1.2	1.6	1.2	0.8	3.0	5.9	7.9	8.1	7.5	6.2	7.7	9.3	8.4	8.3	8.2	7.3	5.9	3.3	7.4	5.8	1.8	5.1	9.3	0.8
13	1.9	1.2	1.4	1.1	1.3	1.2	1.0	3.5	5.1	3.8	4.0	4.9	3.8	4.2	4.2	4.2	4.0	5.7	5.0	4.8	3.2	1.4	1.6	1.2	3.1	5.7	1.0
14	2.2	1.8	1.3	1.6	1.6	0.8	1.2	2.4	2.5	2.0	2.3	2.0	2.2	2.4	2.5	3.1	3.6	2.4	3.7	3.0	3.4	3.2	2.4	2.5	2.3	3.7	0.8
15	2.2	2.0	3.9	2.6	1.3	1.3	0.8	3.6	5.2	5.5	5.9	6.7	7.3	7.5	8.0	7.7	5.6	5.2	6.4	2.8	2.8	3.2	4.3	2.0	4.3	8.0	0.8
16	2.5	2.2	1.0	0.9	0.8	1.1	0.8	0.9	1.6	2.7	3.4	3.0	3.4	2.6	2.8	5.2	4.5	4.2	6.3	4.1	2.3	1.9	2.3	1.3	2.6	6.3	0.8
17	1.7	1.9	1.8	1.6	1.4	0.9	1.1	0.8	1.4	1.7	3.1	4.4	6.0	8.4	7.2	5.9	5.9	4.7	4.9	2.6	3.5	2.0	1.8	1.1	3.2	8.4	0.8
18	0.9	1.0	0.9	1.6	1.0	1.4	5.0	7.0	7.5	6.3	Au	Au	Au	Au	3.3	3.7	2.1	3.5	1.3	3.4	2.0	1.6	1.2	1.6	2.8	7.5	0.9
19	1.7	1.9	1.6	1.4	1.2	1.5	0.8	0.8	2.0	5.0	5.7	3.9	2.2	4.1	5.7	5.2	4.1	2.3	5.4	6.1	4.5	2.6	1.5	1.4	3.0	6.1	0.8
20	1.7	1.9	1.6	1.5	1.7	1.1	1.0	1.6	2.8	2.4	4.2	4.8	4.2	3.8	3.5	4.4	5.6	3.0	1.8	1.4	2.6	3.4	3.2	2.5	2.7	5.6	1.0
21	2.3	1.6	1.7	1.6	1.7	0.7	0.8	0.8	1.4	3.4	4.2	3.9	3.4	2.5	8.1	2.3	2.3	1.6	1.7	1.6	3.0	2.3	1.6	2.4	2.4	8.1	0.7
22	1.9	1.1	0.7	1.2	1.8	1.0	1.2	0.8	0.7	1.2	2.0	2.8	3.8	3.1	3.4	4.0	4.0	3.0	2.3	1.2	2.0	3.5	2.6	2.5	2.2	4.0	0.7
23	1.4	0.9	0.9	0.7	1.1	1.0	0.5	0.8	0.9	1.6	3.1	3.6	2.1	3.3	2.2	2.4	3.6	3.3	3.9	3.4	1.1	1.4	4.2	2.7	2.1	4.2	0.5
24	1.4	2.4	2.1	1.6	0.9	1.5	0.8	0.7	1.1	2.0	2.4	1.6	2.3	2.8	2.2	1.3	2.4	1.5	1.5	2.1	2.1	2.3	2.4	1.9	1.8	2.8	0.7
25	1.7	2.1	1.1	0.9	1.6	2.0	1.7	1.8	0.7	1.6	3.3	3.1	4.0	4.1	4.7	4.7	4.0	4.3	3.4	1.9	2.2	3.4	2.6	2.1	2.6	4.7	0.7
26	2.5	2.3	1.7	1.1	0.9	1.0	0.6	0.6	1.2	2.8	2.8	3.3	3.1	3.9	3.9	2.6	3.2	2.6	1.2	1.1	2.6	2.0	2.2	2.1	2.1	3.9	0.6
27	2.0	1.8	1.6	1.3	1.2	0.9	0.6	0.6	0.7	1.3	2.5	3.1	3.0	3.7	3.6	3.2	2.6	1.9	2.9	3.1	3.7	1.9	1.5	0.8	2.1	3.7	0.6
28	1.4	1.5	1.5	1.2	1.3	0.9	0.6	0.6	0.8	2.8	4.2	4.8	4.7	4.8	4.9	4.7	3.5	5.2	5.5	3.1	3.7	2.7	2.9	2.7	2.9	5.5	0.6
29	2.2	2.3	1.8	1.1	1.7	1.0	0.8	0.6	1.0	3.0	2.9	3.7	3.7	3.5	2.3	1.5	4.5	6.8	4.6	2.7	2.3	1.5	5.1	2.3	2.6	6.8	0.6
30	3.4	2.1	2.2	2.8	1.9	1.9	1.4	0.8	3.4	5.7	7.7	9.1	7.9	9.3	7.6	6.4	5.9	4.6	4.3	3.4	2.0	2.7	2.3	1.2	4.2	9.3	0.8
Avg	2.0	1.9	1.7	1.5	1.4	1.2	1.1	1.4	2.2	3.1	3.7	4.0	4.0	4.4	4.5	4.4	4.2	4.0	3.7	3.0	2.7	2.6	2.5	2.0	2.8	6.0	0.7
Max	3.4	4.0	3.9	3.0	2.3	2.4	5.0	7.0	7.5	7.9	8.1	9.1	7.9	9.3	9.3	8.4	8.3	9.5	7.3	6.1	6.9	7.4	5.8	3.0	5.1	9.5	1.2
Min	0.9	0.9	0.7	0.7	0.5	0.7	0.5	0.6	0.7	1.2	1.5	1.6	2.1	2.2	1.9	1.3	1.5	1.5	1.2	1.1	1.1	0.9	0.9	0.8	1.8	2.8	0.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
April 2015

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	275	263	276	283	274	273	267	263	266	259	259	271	274	284	282	278	268	266	273	266	255	262	278	284	271
2	293	307	290	297	283	314	324	290	311	307	299	297	304	277	300	332	326	296	257	208	142	142	153	188	288
3	159	143	117	103	40	121	112	61	284	269	263	262	242	247	267	263	242	248	277	271	286	89	73	25	240
4	167	149	63	35	59	130	153	159	153	203	318	317	255	240	275	268	309	303	291	200	115	128	128	306	203
5	57	137	135	139	309	186	217	140	290	348	133	282	313	311	102	98	101	107	95	85	96	152	145	155	123
6	151	155	154	160	157	155	152	154	156	161	164	167	172	184	163	156	174	163	327	278	298	170	166	259	171
7	101	144	112	177	132	181	163	230	358	329	152	151	165	190	216	322	290	74	123	131	94	70	63	14	133
8	318	348	337	329	330	231	84	49	311	319	288	254	150	74	57	309	7	220	155	167	69	66	80	65	7
9	306	134	344	16	110	63	111	151	342	318	283	271	254	246	270	263	265	287	279	123	99	106	81	83	309
10	111	143	154	159	154	136	174	306	176	224	240	247	231	226	247	264	255	256	242	203	105	107	119	110	191
11	146	100	121	123	132	131	140	102	184	224	222	233	250	262	256	265	267	280	282	265	276	272	276	279	225
12	261	264	265	243	268	263	255	259	264	258	261	270	268	266	266	259	262	265	273	284	279	273	271	278	266
13	285	281	91	108	84	111	128	24	27	257	205	189	195	228	219	200	211	203	198	183	182	187	187	188	188
14	131	91	64	272	146	163	153	161	147	193	234	243	250	253	254	262	276	289	282	282	273	288	289	286	239
15	292	289	291	294	302	318	321	315	310	328	355	358	336	331	326	328	326	317	314	229	104	10	75	38	326
16	76	90	154	102	2	67	84	207	18	26	356	320	294	297	291	289	289	274	250	108	89	77	85	58	30
17	94	29	24	19	35	303	133	65	55	337	278	199	184	228	220	225	282	287	275	103	79	77	71	65	40
18	93	90	125	108	29	117	45	6	326	284	317	22	16	13	358	8	17	14	346	338	295	283	140	173	18
19	153	96	280	140	92	129	126	312	309	316	277	307	42	298	275	310	327	22	40	60	78	106	45	91	26
20	81	81	83	101	138	111	204	345	333	293	277	280	288	292	298	300	313	322	322	286	113	83	55	78	347
21	82	91	46	53	120	104	150	145	58	309	286	256	319	324	334	338	350	50	92	91	82	77	98	134	62
22	119	122	105	113	83	318	126	100	10	318	289	266	305	285	299	284	275	270	283	267	287	201	119	312	288
23	85	93	132	161	315	111	310	101	7	263	258	244	262	285	248	268	284	290	319	265	89	95	66	77	289
24	103	42	91	115	124	65	138	12	82	7	186	269	282	254	290	274	283	318	311	309	306	315	326	298	325
25	304	312	274	307	296	311	305	297	269	260	253	257	289	286	260	320	30	15	25	326	47	250	252	289	298
26	258	307	40	51	84	81	64	60	279	285	300	288	257	262	297	269	261	254	255	255	274	288	274	289	289
27	213	255	185	126	148	181	301	87	326	271	252	255	245	236	254	269	262	270	240	157	88	90	89	97	221
28	139	103	130	144	101	141	158	136	138	77	290	272	287	277	282	306	316	250	236	99	86	78	88	114	137
29	99	92	116	106	120	122	118	119	316	265	264	274	268	272	277	291	329	356	338	302	110	226	306	126	284
30	118	229	141	116	106	81	39	300	276	265	254	255	267	259	265	263	253	249	252	263	163	118	114	110	225
Prev	124	109	107	112	91	128	138	85	320	287	265	265	266	268	273	283	291	287	283	239	96	116	97	74	266

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
May 2015

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	134	82	53	50	69	38	107	157	331	157	225	255	281	221	229	263	255	249	271	264	236	223	80	100	213
2	97	98	97	56	110	115	93	97	273	267	282	254	254	262	280	284	287	296	296	289	117	62	51	104	340
3	163	132	126	188	304	85	88	138	147	146	147	163	267	300	317	342	146	146	132	122	69	322	91	121	132
4	122	139	125	197	110	60	101	144	155	149	151	179	216	240	241	241	240	212	192	147	70	82	126	124	155
5	118	51	106	158	339	159	131	293	255	220	233	165	248	291	207	153	122	76	63	277	306	188	157	143	176
6	335	343	94	340	349	331	337	345	314	338	333	1	22	16	360	8	9	19	45	65	83	76	75	69	12
7	65	58	63	49	57	74	60	48	72	95	62	187	125	154	153	153	152	153	151	148	156	156	136	141	112
8	94	114	138	204	260	31	197	343	122	153	162	165	168	171	173	325	182	187	125	166	138	123	136	171	155
9	128	87	95	113	66	12	341	136	155	152	155	153	153	161	142	142	139	152	150	145	120	76	80	94	123
10	105	135	25	51	109	37	196	349	296	76	24	62	22	53	1	330	177	145	102	87	100	83	105	125	74
11	109	103	121	105	94	119	63	342	169	201	152	171	203	160	131	70	119	122	72	86	77	67	67	72	110
12	84	244	72	78	143	103	122	142	140	157	157	132	157	152	154	114	88	86	92	100	125	145	138	130	125
13	139	142	144	139	137	137	137	141	136	139	144	142	149	147	169	202	7	93	83	77	65	271	247	191	140
14	215	240	210	198	159	113	147	150	156	159	159	158	161	161	158	155	137	172	159	155	167	167	141	124	162
15	122	123	168	174	160	164	149	163	156	157	150	152	160	157	160	164	153	164	170	180	204	265	50	3	158
16	342	344	338	309	11	202	349	345	321	313	331	324	316	329	326	344	335	330	323	332	336	328	315	326	329
17	318	317	301	256	274	275	343	330	286	319	354	326	355	342	329	2	335	324	317	290	286	287	282	263	311
18	251	150	169	151	158	165	153	152	153	157	153	158	155	153	154	153	149	132	125	121	129	114	121	139	149
19	141	141	126	126	154	153	153	158	134	105	126	146	130	105	97	109	115	110	145	147	138	126	121	106	130
20	92	109	122	142	121	97	138	145	148	154	153	142	136	141	148	143	142	133	126	121	72	336	123	116	128
21	94	116	154	167	97	71	96	139	148	153	144	146	148	142	141	146	142	134	133	133	129	91	195	294	134
22	147	60	202	31	48	38	1	335	300	297	304	263	28	75	85	74	67	83	94	64	86	69	101	286	48
23	94	71	13	64	5	82	326	284	329	351	72	96	90	59	75	71	50	35	303	10	307	331	232	59	32
24	90	134	12	320	289	22	107	297	333	57	52	80	71	72	72	83	84	66	80	66	182	70	66	112	65
25	89	100	109	82	147	134	190	19	96	277	276	238	130	89	83	142	130	139	145	150	70	58	106	359	113
26	147	196	348	124	118	103	203	45	318	72	244	268	302	296	325	309	285	37	52	26	49	87	71	35	26
27	348	263	96	68	41	328	314	275	256	275	283	295	289	289	277	282	281	270	276	260	201	119	108	113	286
28	109	119	92	87	54	87	122	246	34	122	114	144	93	325	317	330	319	6	353	352	278	339	315	353	35
29	334	312	346	302	329	120	130	148	150	161	141	137	139	150	143	146	152	152	149	146	145	161	110	153	144
30	132	135	111	139	148	153	136	110	146	166	171	217	249	257	241	170	87	147	206	123	111	101	108	80	146
31	108	84	87	105	81	142	161	163	199	45	269	258	254	268	275	263	267	267	229	179	106	81	96	91	163
Prev	108	110	100	113	90	96	119	122	172	149	162	174	168	165	166	139	133	126	124	121	115	90	107	103	122

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
June 2015

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	92	101	132	91	87	2	141	59	89	356	349	311	267	292	56	59	228	319	133	141	88	82	89	129	78
2	114	89	140	139	104	151	312	167	273	290	321	252	306	270	249	211	74	260	277	211	262	118	94	126	206
3	91	109	107	78	94	113	11	316	4	265	256	227	251	306	312	297	333	324	308	268	254	305	10	72	325
4	128	97	22	122	102	42	298	306	5	241	108	206	301	199	251	317	288	294	325	116	88	83	116	121	68
5	62	103	97	21	19	28	128	301	306	187	218	271	187	11	334	337	108	61	160	153	96	87	310	360	53
6	114	165	131	124	356	124	125	215	161	142	246	272	274	259	263	258	280	343	118	160	116	106	67	61	159
7	81	83	71	80	76	93	137	281	219	256	257	246	262	256	256	283	264	280	263	263	132	92	89	99	218
8	74	72	118	86	44	122	298	338	302	276	268	267	254	267	270	264	264	254	256	267	185	88	81	62	280
9	56	58	353	70	77	34	334	313	359	276	295	256	269	319	326	288	315	169	90	135	84	196	317	96	352
10	50	78	68	29	39	69	21	277	261	275	272	280	272	269	277	341	24	20	37	34	192	162	105	82	6
11	81	54	38	50	76	120	276	324	339	305	289	250	233	242	256	250	254	266	254	247	163	97	94	72	282
12	78	96	86	119	103	117	9	244	249	266	272	266	274	278	278	279	277	281	276	268	291	312	321	148	276
13	173	209	117	86	110	123	194	303	286	279	259	270	264	289	282	250	300	323	322	325	16	79	89	223	271
14	305	227	147	247	207	87	293	308	295	287	313	122	161	2	298	69	143	73	92	82	57	66	65	63	53
15	70	96	75	54	356	12	243	114	145	123	142	147	142	142	143	145	133	133	136	127	141	126	135	115	122
16	167	153	59	356	128	132	161	346	348	293	279	278	274	279	301	310	324	103	159	154	159	109	105	97	151
17	61	106	98	102	127	79	213	344	10	289	279	295	284	266	296	311	329	347	26	29	93	37	122	157	15
18	173	200	147	138	146	133	163	162	151	149	Au	Au	Au	Au	157	184	224	214	116	157	81	127	103	65	150
19	69	64	83	130	112	142	184	312	333	317	316	303	253	289	276	272	258	352	318	314	303	329	340	49	321
20	96	74	76	64	84	38	114	346	325	313	260	242	237	250	250	214	199	151	60	253	102	63	77	92	91
21	88	72	85	125	140	97	189	354	167	232	256	299	283	342	311	294	143	134	120	96	74	118	72	53	103
22	87	134	48	132	81	103	85	5	241	204	183	256	255	283	310	324	331	337	345	352	125	75	89	63	45
23	34	42	14	34	117	121	212	335	201	43	296	257	246	257	219	198	237	230	191	218	146	62	328	345	247
24	225	98	298	305	99	85	5	354	71	293	292	338	335	277	354	354	329	278	311	56	74	75	81	99	1
25	166	107	47	18	76	100	133	322	29	334	297	289	295	303	315	318	313	310	315	356	111	84	51	52	4
26	53	56	50	59	95	111	44	4	8	282	281	291	302	311	269	278	302	324	62	314	98	110	98	87	15
27	81	45	59	20	20	52	91	346	354	14	292	306	298	311	308	302	327	330	27	88	81	82	69	13	14
28	54	42	42	77	84	42	120	12	353	305	294	283	290	304	302	322	40	28	20	47	87	53	73	75	24
29	67	101	85	55	101	112	122	253	89	145	150	149	159	185	41	358	49	144	90	101	108	47	89	99	102
30	69	51	75	94	109	78	104	86	282	271	292	304	300	290	307	308	332	343	333	355	108	66	92	99	21
Prev	87	92	78	78	89	91	137	325	323	278	275	268	266	282	288	292	298	315	17	111	109	84	75	83	37

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
April 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	15	10	12	10	10	9	11	15	12	10	14	19	13	16	12	15	12	12	9	10	11	14	12	11	12	19	9
2	14	12	11	11	14	20	35	28	13	24	22	27	24	17	39	17	12	14	7	21	12	71	42	51	23	71	7
3	17	15	43	54	39	37	35	58	42	16	22	24	21	23	21	39	16	16	10	17	84	70	47	36	33	84	10
4	20	72	93	69	59	32	42	34	45	33	26	53	34	25	30	40	39	35	70	54	88	64	88	73	51	93	20
5	77	74	65	64	64	89	94	66	64	73	68	46	16	44	21	15	21	18	9	13	28	14	13	11	44	94	9
6	9	10	12	9	10	7	7	6	7	6	9	15	19	25	17	11	17	20	57	20	33	56	82	69	22	82	6
7	36	42	86	69	59	44	47	73	53	60	33	29	31	61	40	48	39	93	27	22	57	14	40	83	49	93	14
8	47	75	87	57	65	101	55	79	21	18	17	96	50	37	63	14	48	81	9	36	77	69	74	78	56	101	9
9	52	90	32	42	39	56	35	61	65	78	26	24	21	35	58	37	34	27	15	29	60	41	27	24	42	90	15
10	25	19	25	35	89	61	32	41	79	18	19	21	21	20	17	16	15	15	13	41	40	17	21	40	31	89	13
11	26	47	23	23	41	73	55	79	53	14	12	13	12	15	15	17	13	12	10	16	15	10	9	10	26	79	9
12	9	13	12	19	12	16	11	12	12	12	16	18	14	13	16	14	14	12	10	15	12	10	12	12	13	19	9
13	9	71	44	32	71	43	63	54	60	56	20	26	49	23	24	16	20	15	9	6	5	7	6	7	31	71	5
14	27	29	54	75	45	20	11	8	10	22	18	14	27	37	32	13	17	9	8	8	10	9	9	10	22	75	8
15	7	8	7	8	8	8	12	14	25	34	25	19	17	10	10	8	13	12	44	69	47	42	49	39	22	69	7
16	39	60	30	74	52	60	93	80	31	51	20	57	43	30	37	40	31	26	34	19	11	14	20	31	41	93	11
17	24	36	64	61	60	72	56	73	51	30	55	21	38	42	48	41	37	18	16	55	12	13	26	22	40	73	12
18	25	47	23	58	80	67	76	72	80	14	21	16	20	31	21	23	10	14	25	39	42	78	61	52	41	80	10
19	34	79	94	67	55	23	36	48	46	37	56	81	22	73	55	30	36	21	12	49	51	32	36	51	47	94	12
20	58	42	60	40	25	60	81	83	47	21	19	21	27	17	17	16	15	13	8	75	27	28	19	30	35	83	8
21	21	50	50	46	31	54	22	79	63	53	71	45	45	35	23	18	31	33	16	53	8	8	62	26	39	79	8
22	18	34	21	21	43	90	26	81	72	52	33	38	35	34	29	16	12	18	25	50	26	61	36	69	39	90	12
23	67	35	62	95	93	49	88	66	68	54	23	27	31	27	39	35	19	12	10	44	60	43	31	30	46	95	10
24	38	33	31	30	28	53	88	86	70	77	70	49	34	38	20	16	16	28	11	13	15	16	30	29	38	88	11
25	23	16	22	21	15	17	13	11	13	12	15	16	23	39	22	45	21	22	19	53	90	61	83	46	30	90	11
26	71	42	63	20	42	68	46	47	27	81	20	22	10	18	14	19	11	8	8	8	20	26	52	29	32	81	8
27	34	14	54	71	56	57	66	47	76	50	24	18	24	40	37	26	34	20	19	68	13	13	13	18	37	76	13
28	25	42	24	14	35	15	13	29	13	53	63	28	26	22	39	42	41	53	44	75	12	11	16	21	32	75	11
29	28	28	20	41	23	25	30	77	45	31	25	23	20	42	31	27	34	32	37	49	74	95	83	39	40	95	20
30	37	92	57	47	69	78	52	71	16	20	29	23	24	20	23	20	13	12	12	20	27	22	25	44	36	92	12
Avg	31	41	43	43	44	47	44	53	43	37	30	31	26	30	29	24	23	24	20	35	36	34	37	36	35	80	11
Max	77	92	94	95	93	101	94	86	80	81	71	96	50	73	63	48	48	93	70	75	90	95	88	83	56	101	20
Min	7	8	7	8	8	7	7	6	7	6	9	13	10	10	10	8	10	8	7	6	5	7	6	7	12	19	5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
May 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	73	51	66	32	42	47	72	73	60	74	62	18	31	20	18	17	19	11	9	9	52	88	58	16	42	88	9
2	21	28	37	32	60	67	77	91	20	15	10	11	18	18	12	12	11	13	8	41	56	88	79	61	37	91	8
3	46	57	22	85	85	55	77	29	19	25	33	65	72	36	37	63	32	13	11	21	46	48	50	28	44	85	11
4	18	17	41	88	60	81	94	68	22	25	23	37	39	39	26	31	27	23	23	19	12	21	19	17	36	94	12
5	61	38	58	48	74	95	85	81	81	35	37	29	57	35	77	20	62	14	13	61	13	69	71	32	52	95	13
6	72	65	76	43	20	23	14	26	12	16	12	26	22	50	40	26	23	14	21	13	12	12	11	10	27	76	10
7	11	9	61	12	16	13	14	9	59	35	46	38	35	10	10	11	12	9	7	7	7	6	24	34	21	61	6
8	35	18	24	72	71	94	89	70	72	8	13	18	19	17	79	55	31	64	60	38	63	48	33	33	47	94	8
9	59	43	41	27	40	35	65	58	11	12	15	13	17	65	13	10	16	11	11	9	29	52	45	24	30	65	9
10	26	24	65	76	32	57	64	91	94	40	40	29	39	45	49	50	22	35	14	12	16	27	45	48	43	94	12
11	63	36	31	65	79	37	92	45	60	76	65	32	24	43	53	62	36	68	24	12	11	9	9	13	44	92	9
12	73	76	12	10	51	86	26	15	24	10	9	35	11	17	21	31	11	14	16	15	15	16	22	14	26	86	9
13	23	17	14	13	14	16	14	12	12	16	12	14	20	35	33	58	78	19	39	17	37	91	51	33	29	91	12
14	33	28	66	84	33	21	22	40	8	8	8	8	10	10	11	12	35	27	12	23	10	10	29	17	24	84	8
15	22	16	19	12	21	12	12	7	8	8	10	7	12	9	9	8	23	8	11	15	16	24	90	19	17	90	7
16	14	17	15	19	70	90	45	17	9	11	18	8	7	18	7	14	12	11	10	10	10	16	14	11	20	90	7
17	15	8	16	40	16	27	15	12	29	46	27	11	32	21	18	17	19	15	9	63	27	16	24	17	23	63	8
18	97	29	13	8	7	22	10	21	11	9	9	9	9	9	8	9	8	15	15	15	15	15	17	10	16	97	7
19	16	10	16	25	12	10	19	12	18	26	26	11	23	24	19	20	20	21	6	7	16	19	24	46	19	46	6
20	16	64	26	13	18	17	12	7	10	8	12	13	13	10	9	10	12	13	13	21	91	87	23	21	22	91	7
21	12	27	26	31	61	39	54	49	12	19	17	23	13	13	10	9	10	13	11	11	13	36	76	29	26	76	9
22	67	71	72	69	49	32	48	78	56	73	50	59	39	15	11	13	11	15	13	45	69	16	31	95	46	95	11
23	73	23	54	56	56	92	45	64	21	17	41	10	20	11	13	10	15	29	53	55	35	39	82	65	41	92	10
24	67	82	49	38	58	47	38	53	61	23	42	16	24	22	18	19	20	13	19	41	100	31	32	40	40	100	13
25	20	35	43	85	36	77	77	78	68	32	29	32	32	14	10	29	24	12	7	66	12	63	68	82	43	85	7
26	77	79	54	72	49	21	97	96	69	75	53	32	53	32	24	27	32	85	22	31	53	28	40	51	52	97	21
27	33	67	84	62	78	24	38	37	21	35	20	21	19	13	22	16	17	22	10	9	54	46	45	40	35	84	9
28	24	35	33	57	31	65	30	79	74	60	58	44	66	18	14	16	13	21	15	41	15	19	19	21	36	79	13
29	34	22	55	35	72	38	31	14	9	16	18	21	19	22	22	18	12	8	8	16	19	13	67	27	26	72	8
30	20	41	27	15	15	17	26	24	16	21	58	25	16	13	20	54	23	68	102	88	40	15	27	26	33	102	13
31	26	26	35	30	56	22	27	59	97	70	57	22	25	17	16	23	18	12	41	69	49	85	29	15	39	97	12
Avg	40	37	40	44	45	44	46	46	37	30	30	24	27	23	24	25	23	23	20	29	33	37	40	32	33	86	10
Max	97	82	84	88	85	95	97	96	97	76	65	65	72	65	79	63	78	85	102	88	100	91	90	95	52	102	21
Min	11	8	12	8	7	10	10	7	8	8	8	7	7	9	7	8	8	8	6	7	7	6	9	10	16	46	6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
June 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	23	24	45	31	28	77	42	60	78	49	58	27	49	39	72	16	92	47	79	43	55	12	26	34	46	92	12
2	25	17	14	23	63	50	89	69	31	50	33	38	47	22	16	72	41	22	15	73	46	43	58	50	42	89	14
3	65	44	34	23	33	55	88	74	62	52	39	38	36	25	26	23	50	52	12	45	30	26	75	24	43	88	12
4	29	25	66	39	82	38	67	59	85	97	89	60	59	60	65	28	20	19	30	37	16	25	26	29	48	97	16
5	47	20	49	44	47	59	27	55	60	36	36	27	45	63	40	50	65	91	83	27	35	61	28	51	48	91	20
6	35	44	46	81	87	48	67	75	61	36	29	33	36	28	21	18	26	51	35	18	27	50	28	24	42	87	18
7	12	13	13	17	22	39	21	95	97	12	20	25	43	19	25	21	18	21	14	35	44	11	14	23	28	97	11
8	32	25	24	29	34	30	75	54	47	22	18	25	21	21	19	15	15	13	11	9	83	25	20	19	29	83	9
9	36	31	67	26	95	66	88	48	45	33	31	23	27	24	35	26	33	70	24	23	87	81	76	34	47	95	23
10	64	14	16	35	27	33	43	89	15	17	18	18	16	15	13	37	18	17	13	16	82	15	51	45	30	89	13
11	27	34	41	41	35	55	91	59	43	18	24	17	21	35	26	30	20	17	10	8	60	32	24	37	34	91	8
12	39	55	72	66	55	51	93	41	18	14	15	15	21	17	13	15	14	12	12	10	22	8	39	55	32	93	8
13	27	57	52	52	53	31	90	57	19	28	28	31	47	36	32	36	22	12	12	13	36	71	63	73	41	90	12
14	72	68	70	46	43	84	37	16	26	50	57	40	34	73	41	64	25	35	12	11	12	11	14	8	40	84	8
15	44	41	7	45	39	69	67	34	11	21	19	10	14	14	9	9	16	15	10	27	22	35	13	46	27	69	7
16	12	18	85	42	57	29	34	99	46	49	27	39	29	22	42	24	26	76	10	9	17	26	23	65	38	99	9
17	51	45	32	30	28	57	66	69	57	80	33	31	31	16	21	18	11	31	10	28	58	66	68	53	41	80	10
18	56	72	35	19	34	34	14	7	10	8	Au	Au	Au	Au	21	24	17	41	59	17	29	27	50	43	31	72	7
19	41	29	45	41	45	22	77	52	26	19	20	30	52	39	18	24	55	48	9	8	12	15	48	64	35	77	8
20	32	37	27	29	43	60	75	56	25	37	30	26	29	33	34	20	17	39	34	40	44	23	13	21	34	75	13
21	20	27	32	24	18	43	75	44	94	51	27	22	37	26	14	68	57	46	44	49	18	41	34	23	39	94	14
22	30	53	99	57	35	38	84	60	51	79	64	35	35	51	24	21	12	16	13	47	26	10	16	15	40	99	10
23	22	39	52	69	54	50	96	84	81	66	35	37	89	35	63	56	23	21	15	49	62	68	47	52	53	96	15
24	72	52	70	71	40	52	31	71	78	54	34	51	46	41	48	74	61	54	25	54	15	15	15	39	48	78	15
25	69	38	45	63	59	25	69	20	55	82	20	28	32	27	22	17	20	17	12	47	38	15	40	15	36	82	12
26	18	24	33	47	59	45	92	64	67	28	38	38	40	22	31	41	28	26	103	59	34	26	21	27	42	103	18
27	16	32	40	28	45	55	93	63	42	46	43	38	63	25	44	34	28	24	35	12	7	41	55	81	41	93	7
28	38	39	26	73	54	63	89	68	53	12	18	21	26	18	21	24	45	36	11	26	7	42	30	24	36	89	7
29	18	21	21	41	21	81	71	89	81	23	28	26	35	53	63	18	88	81	25	30	56	82	15	24	45	89	15
30	19	25	17	27	40	50	61	45	62	16	14	16	11	17	19	18	10	18	9	21	66	39	24	57	29	66	9
Avg	36	35	43	42	46	50	67	59	51	40	33	30	37	32	31	31	32	36	26	30	38	35	35	39	39	88	12
Max	72	72	99	81	95	84	96	99	97	97	89	60	89	73	72	74	92	91	103	73	87	82	76	81	53	103	23
Min	12	13	7	17	18	22	14	7	10	8	14	10	11	14	9	9	10	12	9	8	7	8	13	8	27	66	7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
April 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.5	-0.2	-0.5	-0.7	-0.9	-1.2	-2.0	-1.6	-0.6	0.0	0.7	1.3	1.8	2.4	3.1	3.2	2.8	2.0	0.9	-0.2	-1.8	-2.2	-2.2	-2.1	0.1	3.2	-2.2
2	-2.4	-3.5	-3.7	-3.9	-4.8	-5.4	-6.0	-5.4	-4.6	-3.8	-3.1	-2.5	-1.6	-0.5	-0.2	-0.3	0.2	0.0	-1.2	-2.7	-4.4	-4.9	-5.6	-5.9	-3.2	0.2	-6.0
3	-5.5	-5.3	-5.2	-5.3	-5.8	-7.1	-8.7	-6.5	-2.7	-1.1	0.4	1.4	2.3	3.0	3.2	3.4	3.7	4.1	3.6	2.2	0.6	-0.5	-0.9	-1.3	-1.2	4.1	-8.7
4	-1.7	-1.0	-0.6	-1.6	-2.7	-3.7	-3.8	-2.2	1.3	2.5	2.1	3.2	4.7	5.6	5.4	4.9	4.7	2.0	-0.4	-0.9	-1.7	-3.1	-4.4	-5.1	0.1	5.6	-5.1
5	-6.5	-8.1	-8.6	-8.6	-9.0	-8.4	-7.2	-6.1	-4.0	-2.3	-1.3	-0.4	-1.0	-1.1	-1.0	-1.1	-1.0	-0.7	-1.1	-1.7	-2.0	-2.4	-2.3	-2.4	-3.7	-0.4	-9.0
6	-2.6	-2.8	-2.9	-3.2	-3.3	-3.5	-3.7	-3.8	-3.8	-3.2	-2.1	-0.7	0.3	1.6	0.7	0.0	0.0	-0.9	-1.0	-1.0	-1.6	-1.7	-2.1	-2.8	-1.8	1.6	-3.8
7	-5.0	-7.5	-9.2	-10.6	-12.3	-13.3	-14.2	-12.4	-8.7	-4.7	-0.3	1.8	3.0	3.8	4.6	5.6	5.7	5.6	4.0	1.6	0.0	-0.6	-1.7	-3.6	-2.9	5.7	-14.2
8	-3.7	-3.7	-3.2	-4.0	-3.4	-3.7	-3.8	-1.2	2.8	5.0	3.9	3.7	3.1	3.1	4.0	2.9	3.0	2.4	1.0	0.2	-0.9	-2.5	-3.3	-3.9	-0.1	5.0	-4.0
9	-4.7	-4.7	-6.0	-5.9	-6.4	-6.8	-6.7	-3.9	-0.2	3.2	4.9	6.0	6.7	7.6	8.4	8.7	8.6	8.6	7.7	3.2	0.7	-1.0	-1.8	-2.1	1.0	8.7	-6.8
10	-3.3	-3.9	-3.8	-4.8	-5.2	-5.4	-5.3	-2.6	3.0	5.2	6.1	6.5	7.8	8.5	9.6	10.0	9.8	9.7	9.6	7.8	4.2	2.0	1.3	0.1	2.8	10.0	-5.4
11	0.8	1.1	1.2	-0.3	-0.2	-0.9	-0.7	0.8	6.6	9.6	10.3	10.4	10.4	9.8	9.1	8.5	5.7	4.4	3.5	2.6	2.7	1.9	1.5	0.8	4.2	10.4	-0.9
12	-0.4	-1.9	-2.5	-2.9	-3.1	-3.3	-3.3	-2.4	-1.5	-0.4	-0.3	-0.2	0.6	1.7	2.2	3.3	3.5	2.9	2.0	1.6	1.4	1.2	0.8	0.3	-0.0	3.5	-3.3
13	0.0	-1.1	-3.1	-4.7	-6.3	-6.0	-3.8	0.6	3.0	4.9	6.3	7.8	9.6	11.4	12.3	12.9	13.5	13.8	12.9	11.2	10.4	9.7	10.0	10.4	5.7	13.8	-6.3
14	5.9	3.8	0.8	-1.0	0.2	4.5	8.5	10.5	12.3	13.3	13.3	13.4	12.8	12.1	11.9	6.9	0.7	-0.1	-0.9	-1.7	-2.0	-2.3	-2.3	-2.6	4.9	13.4	-2.6
15	-2.8	-2.8	-2.8	-2.5	-2.1	-2.1	-2.2	-2.4	-2.2	-1.5	-0.8	-0.4	-0.1	0.1	0.8	1.6	2.0	2.0	1.6	-0.4	-2.8	-4.5	-5.0	-6.5	-1.5	2.0	-6.5
16	-8.0	-9.4	-10.0	-11.4	-11.2	-11.8	-11.2	-8.3	-5.5	-0.1	2.8	4.4	5.5	6.5	7.4	8.4	9.0	9.2	8.5	3.0	0.4	-0.7	-1.7	-2.6	-1.1	9.2	-11.8
17	-3.2	-4.1	-3.5	-4.8	-4.9	-5.5	-4.7	-1.0	3.9	8.1	10.6	11.9	12.7	13.3	14.1	14.6	14.5	14.3	13.2	7.8	4.5	2.6	1.1	0.4	4.8	14.6	-5.5
18	-1.4	-2.3	-2.8	-3.6	-4.0	-4.0	-3.9	-0.6	4.5	6.5	3.9	1.7	2.1	3.0	3.5	4.0	3.0	2.4	2.0	0.9	-0.1	-0.9	-2.4	-4.0	0.3	6.5	-4.0
19	-5.1	-5.4	-6.4	-7.1	-7.4	-7.7	-6.8	-3.3	0.5	2.4	3.5	4.2	4.4	4.6	5.4	6.1	5.7	5.3	4.7	3.6	0.0	-2.3	-3.9	-4.6	-0.4	6.1	-7.7
20	-5.8	-6.3	-6.8	-7.4	-7.8	-8.5	-7.4	-3.4	2.2	5.6	7.4	8.8	10.1	10.8	11.3	11.3	11.3	11.6	10.8	8.7	4.3	2.3	1.3	-0.1	2.7	11.6	-8.5
21	-1.9	-3.0	-3.6	-3.8	-4.0	-4.6	-3.4	1.4	6.9	10.8	11.8	13.0	12.9	13.1	13.5	13.8	14.1	14.0	13.9	9.6	7.1	6.4	4.4	5.2	6.1	14.1	-4.6
22	4.7	3.8	0.6	-1.3	-1.8	-1.7	-1.2	2.5	8.3	12.5	13.9	14.8	15.4	15.5	15.8	16.0	14.4	11.6	10.5	10.1	6.9	5.0	5.1	4.6	7.7	16.0	-1.8
23	4.2	3.2	2.4	1.8	0.8	-1.0	-1.3	0.2	4.2	6.4	7.9	9.3	10.3	11.3	12.2	12.5	12.2	11.8	11.3	10.0	8.7	6.9	5.4	4.0	6.4	12.5	-1.3
24	1.8	0.5	-0.3	-1.9	-3.0	-3.0	-1.7	1.4	4.2	7.9	8.7	8.6	9.0	9.0	8.1	6.3	4.6	4.8	3.8	2.2	0.6	0.3	0.2	0.3	3.0	9.0	-3.0
25	0.2	0.1	0.1	0.0	-0.3	-0.6	-0.8	-0.8	-0.5	0.0	0.9	1.7	2.7	3.2	4.1	3.7	3.7	4.2	3.6	1.4	-0.8	-2.0	-2.4	-1.8	0.8	4.2	-2.4
26	-0.4	0.1	1.1	1.3	0.6	-0.1	-0.1	-0.3	-0.1	0.1	0.3	1.1	0.5	0.6	1.3	1.0	0.6	0.5	0.5	0.0	-0.1	-0.4	-0.4	-0.5	0.3	1.3	-0.5
27	-1.0	-2.0	-2.9	-3.9	-4.4	-4.3	-3.4	-0.8	1.1	2.6	3.8	4.7	5.7	6.9	8.1	8.8	9.4	9.7	9.4	6.1	2.8	1.0	0.0	-1.0	2.4	9.7	-4.4
28	-2.4	-2.3	-2.7	-3.4	-3.0	-3.7	-1.9	3.5	8.6	10.5	12.3	13.8	15.1	16.3	17.2	17.6	18.0	18.1	17.5	11.9	7.5	5.3	3.4	1.5	7.4	18.1	-3.7
29	1.1	1.3	-0.2	-0.5	-0.4	0.1	2.7	8.6	14.2	15.9	16.6	17.7	18.5	19.3	19.1	18.0	14.4	12.9	12.3	10.3	8.9	7.8	6.2	4.8	9.6	19.3	-0.5
30	4.2	3.3	2.8	2.0	1.6	1.9	1.4	2.6	4.3	5.6	6.5	7.5	8.6	9.6	10.4	11.2	11.8	11.7	11.2	9.6	5.6	1.8	0.4	-1.1	5.6	11.8	-1.1
Avg	-1.5	-2.1	-2.7	-3.5	-3.8	-4.0	-3.6	-1.2	1.9	4.0	5.0	5.8	6.5	7.1	7.5	7.5	7.0	6.6	5.8	3.9	2.0	0.7	-0.0	-0.7	2.0	8.4	-4.9
Max	5.9	3.8	2.8	2.0	1.6	4.5	8.5	10.5	14.2	15.9	16.6	17.7	18.5	19.3	19.1	18.0	18.0	18.1	17.5	11.9	10.4	9.7	10.0	10.4	9.6	19.3	-0.5
Min	-8.0	-9.4	-10.0	-11.4	-12.3	-13.3	-14.2	-12.4	-8.7	-4.7	-3.1	-2.5	-1.6	-1.1	-1.0	-1.1	-1.0	-0.9	-1.2	-2.7	-4.4	-4.9	-5.6	-6.5	-3.7	-0.4	-14.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
May 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-2.1	-2.6	-3.0	-3.2	-3.2	-3.1	-2.8	0.0	4.8	10.1	12.1	12.4	12.5	13.8	15.2	15.5	15.9	15.9	15.1	13.0	9.9	10.0	8.3	6.5	7.1	15.9	-3.2
2	3.9	3.1	2.0	1.4	0.9	0.6	1.0	4.9	12.2	13.2	13.4	14.0	14.5	15.4	15.1	14.5	14.3	14.3	13.2	11.4	7.8	5.0	4.5	3.3	8.5	15.4	0.6
3	1.5	0.0	-1.9	-3.1	-3.7	-4.0	-2.6	3.9	6.1	7.6	9.2	10.8	11.7	12.7	13.2	13.8	13.7	13.1	11.5	9.9	8.1	8.0	7.6	7.1	6.4	13.8	-4.0
4	6.6	6.0	5.8	4.9	2.4	0.6	1.6	8.1	11.4	12.7	14.4	15.4	16.2	17.2	17.8	17.6	17.8	17.6	16.8	13.4	12.5	11.7	8.6	6.2	11.0	17.8	0.6
5	4.2	2.8	2.0	1.2	1.0	1.7	4.5	9.9	13.7	15.9	16.2	16.6	17.6	17.6	15.3	10.9	9.2	9.2	9.3	8.9	8.3	7.5	7.1	6.6	9.0	17.6	1.0
6	6.3	5.9	5.5	5.5	4.4	3.5	3.3	2.1	1.6	2.7	3.9	5.1	6.3	7.2	7.6	7.9	7.8	7.2	6.5	5.3	4.8	4.6	3.9	3.3	5.1	7.9	1.6
7	2.9	2.4	2.1	2.0	1.6	1.1	1.2	1.6	2.2	2.3	2.3	2.6	3.2	3.1	3.3	3.7	4.4	3.8	3.3	3.0	2.6	2.2	1.8	0.9	2.5	4.4	0.9
8	-0.8	-2.4	-3.0	-3.8	-4.9	-4.6	-3.3	-0.9	1.1	1.9	2.1	2.5	2.9	3.3	3.8	2.8	1.7	1.5	0.7	0.8	1.1	1.1	0.7	0.3	0.2	3.8	-4.9
9	-0.5	-1.0	-2.1	-3.8	-4.9	-5.5	-3.4	-0.4	2.0	2.7	3.8	4.8	5.6	6.2	6.4	5.8	5.0	5.3	5.1	3.6	2.2	0.0	-2.1	-3.4	1.3	6.4	-5.5
10	-4.2	-5.2	-5.9	-6.1	-6.5	-7.4	-4.8	-0.5	4.0	5.9	7.0	8.1	8.7	9.2	9.6	9.8	9.4	9.4	8.0	5.4	2.5	0.6	-1.0	-2.2	2.2	9.8	-7.4
11	-3.9	-4.7	-5.6	-6.7	-6.7	-6.8	-4.0	1.5	6.6	8.1	9.5	9.6	9.8	10.5	10.7	11.0	11.3	10.9	10.2	9.1	7.4	6.4	5.8	5.1	4.4	11.3	-6.8
12	5.0	5.1	5.2	5.3	5.2	4.8	5.1	5.4	5.5	5.6	5.4	6.3	7.1	8.1	8.8	8.7	7.9	7.0	6.8	6.5	5.7	5.2	4.1	3.6	6.0	8.8	3.6
13	3.3	3.9	3.8	4.1	4.1	4.1	4.3	5.1	6.8	8.2	9.4	10.7	11.5	12.7	13.9	14.5	13.4	11.3	10.6	9.5	8.1	6.7	5.3	4.3	7.9	14.5	3.3
14	3.5	2.6	2.2	2.8	5.6	5.8	5.8	6.5	6.8	6.5	8.3	9.2	10.7	11.7	10.0	8.2	7.5	7.4	7.0	7.5	7.2	7.4	8.2	8.5	7.0	11.7	2.2
15	8.2	8.2	7.4	6.7	7.2	7.1	7.3	6.7	7.3	8.5	7.8	6.7	7.3	7.8	8.3	8.6	9.7	8.8	7.8	7.3	6.6	6.4	6.3	6.7	7.5	9.7	6.3
16	6.6	6.3	6.2	5.7	6.0	5.5	5.0	5.1	5.4	5.6	5.6	5.2	5.1	5.2	4.5	4.7	4.6	4.2	3.5	2.7	2.3	2.1	1.9	1.7	4.6	6.6	1.7
17	1.5	1.7	1.6	1.6	1.8	2.1	2.8	2.9	2.9	2.7	2.3	2.0	1.9	1.8	1.5	2.4	2.4	2.7	2.1	1.8	1.0	0.7	0.7	0.8	1.9	2.9	0.7
18	0.7	0.8	0.9	0.4	0.1	0.2	1.0	1.8	2.0	2.5	3.1	3.7	4.3	4.5	5.0	5.0	4.6	3.9	3.6	3.4	3.5	3.7	3.9	3.8	2.8	5.0	0.1
19	3.8	3.6	3.5	2.2	1.1	2.5	3.5	4.9	6.3	6.8	7.9	7.8	7.6	8.0	9.0	9.5	9.0	7.6	6.4	5.2	5.5	5.5	5.0	4.0	5.7	9.5	1.1
20	1.7	2.0	2.8	3.4	2.5	2.8	4.3	5.0	6.2	7.3	8.7	9.8	10.7	10.8	11.0	11.1	11.1	11.0	10.1	8.7	7.0	5.8	5.5	5.4	6.9	11.1	1.7
21	4.9	4.2	3.6	3.2	0.9	0.2	4.4	7.9	9.8	10.3	11.3	12.6	13.5	14.0	14.3	13.6	12.8	12.7	12.3	11.2	9.7	7.9	7.6	6.7	8.7	14.3	0.2
22	7.7	5.9	4.1	1.9	1.1	1.1	4.4	8.8	10.9	12.1	13.0	13.9	10.9	9.4	9.2	10.9	12.0	11.7	11.0	10.0	7.9	6.4	6.2	6.2	8.2	13.9	1.1
23	6.2	5.5	4.3	3.6	2.5	3.0	3.6	5.7	7.5	8.3	8.5	7.6	7.6	7.2	6.5	6.4	6.7	7.2	7.3	7.1	5.6	5.7	5.8	5.4	6.0	8.5	2.5
24	4.4	2.8	3.0	3.1	3.5	3.8	4.8	5.6	6.9	7.5	8.9	9.8	10.4	10.8	11.2	10.9	11.4	10.4	10.2	9.0	6.5	4.9	4.1	2.6	6.9	11.4	2.6
25	1.9	0.7	0.4	-0.3	-0.4	-0.5	1.9	6.6	10.5	11.5	12.3	13.1	13.2	12.2	12.7	15.0	15.5	15.2	13.7	12.5	10.8	8.8	7.4	7.4	8.4	15.5	-0.5
26	7.3	7.2	7.5	7.3	6.4	6.5	6.8	7.1	7.4	8.2	9.2	10.0	11.4	12.2	13.4	14.1	13.5	13.3	13.3	11.8	8.8	6.7	5.4	5.3	9.2	14.1	5.3
27	3.9	4.1	4.7	5.4	5.4	6.1	7.2	8.9	9.3	10.4	11.1	11.3	12.3	12.1	13.4	13.6	13.5	13.5	12.6	10.7	9.5	8.5	7.7	6.7	9.2	13.6	3.9
28	5.8	4.7	4.8	5.4	5.0	4.9	5.7	6.5	7.7	8.0	7.9	8.1	8.7	9.8	9.4	9.0	9.2	8.9	8.7	8.3	7.1	7.0	6.6	6.1	7.2	9.8	4.7
29	5.7	5.2	5.2	5.2	5.1	5.0	6.2	7.7	8.3	9.7	10.0	11.1	11.8	12.4	13.3	14.1	13.9	13.5	11.7	10.2	9.3	8.8	8.3	7.7	9.1	14.1	5.0
30	7.2	6.7	5.8	4.5	3.7	3.1	6.3	11.7	14.1	14.8	14.9	15.5	15.4	15.1	13.7	11.1	11.6	12.6	12.7	12.0	10.1	8.3	6.7	5.9	10.1	15.5	3.1
31	4.5	4.1	3.4	2.7	2.3	2.5	5.5	8.9	11.0	14.2	16.5	17.6	18.3	18.7	19.7	20.5	21.1	20.7	19.0	16.5	13.9	11.7	10.2	8.7	12.2	21.1	2.3
Avg	3.5	2.9	2.5	2.0	1.6	1.5	2.8	5.1	7.0	8.1	8.9	9.5	10.0	10.3	10.5	10.5	10.4	10.1	9.4	8.2	6.9	6.0	5.2	4.6	6.6	11.5	0.8
Max	8.2	8.2	7.5	7.3	7.2	7.1	7.3	11.7	14.1	15.9	16.5	17.6	18.3	18.7	19.7	20.5	21.1	20.7	19.0	16.5	13.9	11.7	10.2	8.7	12.2	21.1	6.3
Min	-4.2	-5.2	-5.9	-6.7	-6.7	-7.4	-4.8	-0.9	1.1	1.9	2.1	2.0	1.9	1.8	1.5	2.4	1.7	1.5	0.7	0.8	1.0	0.0	-2.1	-3.4	0.2	2.9	-7.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
June 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	7.7	7.5	7.3	8.1	7.7	8.5	9.4	11.2	14.6	17.6	18.5	19.3	19.9	20.3	20.0	17.7	13.9	10.8	11.6	10.1	9.3	9.3	8.5	7.2	12.3	20.3	7.2
2	6.5	5.8	4.3	3.8	3.4	3.5	4.9	8.5	11.1	11.2	12.1	12.0	12.0	14.5	14.0	9.1	10.7	12.8	12.4	11.3	10.0	8.2	6.6	5.3	8.9	14.5	3.4
3	4.6	4.5	4.2	3.7	3.9	4.3	5.4	8.2	10.4	11.3	12.6	13.7	14.3	12.6	13.6	13.9	14.7	15.3	15.0	13.2	10.2	8.0	7.6	7.7	9.7	15.3	3.7
4	7.2	7.5	7.0	6.1	5.0	4.3	5.6	8.4	10.5	11.8	12.9	14.0	15.1	15.6	16.5	16.5	16.7	17.0	16.3	14.4	11.9	11.8	10.6	10.0	11.4	17.0	4.3
5	8.0	6.9	5.9	5.3	4.9	5.0	7.0	10.0	13.1	16.0	16.5	16.3	17.1	16.7	17.6	17.5	12.4	12.0	11.4	10.3	10.9	9.7	8.1	7.3	11.1	17.6	4.9
6	5.7	4.2	3.1	2.7	2.1	2.3	5.0	9.3	13.1	15.9	16.9	17.6	18.2	19.2	19.9	20.3	20.6	20.3	18.4	17.1	16.2	15.1	12.6	11.2	12.8	20.6	2.1
7	9.9	9.1	8.3	7.5	6.6	6.1	8.5	12.8	16.8	18.6	19.4	20.1	21.0	21.0	21.5	21.4	21.6	21.8	21.6	20.0	16.0	13.9	12.1	10.2	15.2	21.8	6.1
8	9.5	8.6	7.6	6.8	6.9	7.0	9.4	13.8	18.4	19.8	20.8	22.0	23.2	24.2	25.1	25.6	26.0	26.2	25.7	24.0	19.9	14.3	12.6	11.1	17.0	26.2	6.8
9	10.3	9.1	8.4	8.1	6.7	7.3	10.4	15.3	19.4	21.7	22.7	23.8	24.6	25.2	25.8	26.0	22.7	17.9	16.8	17.4	16.5	16.8	17.1	16.0	16.9	26.0	6.7
10	15.0	13.0	12.3	11.1	10.6	9.8	11.9	15.1	16.6	16.8	16.7	16.6	18.5	20.1	20.7	20.7	19.9	20.0	19.1	18.3	16.3	14.1	13.1	10.6	15.7	20.7	9.8
11	8.8	7.8	7.6	6.4	6.0	5.5	8.3	12.6	16.6	18.0	19.2	20.2	19.7	21.2	22.0	22.4	22.8	22.8	22.5	21.1	16.4	12.0	10.0	8.5	14.9	22.8	5.5
12	7.3	6.1	5.4	4.4	3.6	4.4	7.8	15.0	17.0	17.9	18.6	19.4	20.0	20.6	21.1	21.3	21.2	20.6	19.9	18.5	15.0	13.9	12.4	10.1	14.2	21.3	3.6
13	6.6	5.5	3.0	1.2	0.1	0.3	3.9	9.8	11.1	11.9	13.0	14.3	15.1	16.1	16.7	17.3	17.6	17.1	16.1	15.3	14.0	12.6	11.2	10.1	10.8	17.6	0.1
14	10.1	8.3	6.4	5.6	5.3	5.5	6.5	7.5	8.3	9.2	9.6	10.1	10.9	12.0	12.5	13.2	12.6	12.0	11.5	10.5	9.3	8.9	8.4	7.1	9.2	13.2	5.3
15	7.0	4.9	5.0	3.6	2.7	3.0	5.7	9.4	9.3	9.9	10.1	10.3	11.5	12.3	11.9	11.0	11.3	11.1	10.5	9.7	9.2	9.3	8.8	8.8	8.6	12.3	2.7
16	8.1	8.1	8.1	7.9	7.9	7.3	8.7	10.7	12.0	13.7	14.9	15.9	16.7	16.7	17.7	18.7	19.1	18.0	16.2	15.0	12.8	11.7	9.5	8.2	12.6	19.1	7.3
17	7.0	6.2	6.0	5.9	5.8	6.7	9.0	11.9	14.7	17.5	18.6	19.6	19.8	21.2	20.8	20.2	20.1	19.1	18.2	17.0	15.2	13.5	11.1	10.6	14.0	21.2	5.8
18	10.0	9.2	10.7	10.9	10.5	10.2	12.0	13.3	14.4	14.9	Au	Au	Au	Au	20.6	21.9	21.6	21.1	20.5	17.4	16.8	15.3	12.9	11.2	14.8	21.9	9.2
19	10.1	9.3	7.4	6.2	5.0	4.7	7.9	12.0	16.5	18.3	18.3	18.1	18.3	19.7	20.6	20.4	18.7	18.5	19.0	18.2	16.9	15.1	13.7	11.0	14.3	20.6	4.7
20	7.4	5.8	4.3	3.4	2.0	2.4	5.1	10.4	13.2	14.4	15.5	16.4	16.6	16.7	17.1	17.4	17.6	18.0	18.3	17.3	14.0	10.3	8.8	6.6	11.6	18.3	2.0
21	5.6	4.4	3.4	2.1	1.7	1.9	5.7	10.6	15.6	18.1	18.9	19.3	19.5	19.3	16.6	15.8	14.6	14.0	13.0	12.1	11.2	9.4	7.6	7.5	11.2	19.5	1.7
22	6.9	6.3	6.2	5.2	5.3	5.9	6.9	7.9	9.3	11.7	13.7	15.6	16.6	17.3	18.1	18.4	18.2	17.8	17.4	16.4	12.0	9.9	7.5	7.0	11.6	18.4	5.2
23	5.2	4.1	3.2	3.0	3.0	3.0	6.0	11.0	15.9	18.2	19.4	20.1	20.0	20.9	21.1	21.4	21.9	21.9	21.1	19.4	17.2	14.6	15.0	13.0	14.2	21.9	3.0
24	12.4	12.2	11.9	11.5	9.8	8.4	10.1	13.8	15.9	16.9	17.3	17.8	19.1	20.3	20.5	20.9	21.8	21.7	21.3	19.9	17.7	16.9	16.9	16.9	16.3	21.8	8.4
25	16.0	15.1	13.5	12.7	12.3	12.2	12.3	13.5	15.4	17.7	18.8	19.2	20.2	21.0	21.6	21.8	21.8	22.6	22.2	21.1	17.5	14.3	12.1	10.8	16.9	22.6	10.8
26	10.1	9.1	7.8	7.3	6.0	6.3	9.6	14.5	19.2	21.3	22.2	23.4	24.3	25.5	26.2	26.8	27.3	27.2	27.2	24.6	19.8	16.4	13.6	12.4	17.8	27.3	6.0
27	11.5	10.5	10.2	9.4	8.8	8.8	11.8	16.9	22.0	24.9	26.6	27.4	28.3	28.9	29.5	29.9	30.0	30.0	29.2	26.7	23.5	19.6	17.3	15.5	20.7	30.0	8.8
28	14.4	13.4	13.1	11.8	10.7	10.4	12.9	17.9	22.8	26.3	27.6	28.6	29.3	29.5	29.6	29.8	29.3	28.7	27.3	26.4	22.3	17.9	16.7	15.2	21.3	29.8	10.4
29	14.4	12.6	11.8	10.6	10.3	9.5	12.5	17.5	23.3	27.1	28.1	29.1	29.7	29.9	29.6	29.1	23.9	18.3	18.5	18.5	17.5	16.3	15.6	15.1	19.5	29.9	9.5
30	14.3	14.0	13.4	13.0	13.0	12.4	13.7	16.9	20.2	22.0	23.5	24.1	23.9	25.5	25.3	25.1	24.7	24.6	24.3	23.2	20.1	16.8	13.8	11.3	19.1	25.5	11.3
Avg	9.3	8.3	7.6	6.8	6.3	6.2	8.5	12.2	15.2	17.0	18.0	18.8	19.4	20.1	20.5	20.4	19.8	19.3	18.7	17.5	15.2	13.2	11.7	10.4	14.2	21.2	5.9
Max	16.0	15.1	13.5	13.0	13.0	12.4	13.7	17.9	23.3	27.1	28.1	29.1	29.7	29.9	29.6	29.9	30.0	30.0	29.2	26.7	23.5	19.6	17.3	16.9	21.3	30.0	11.3
Min	4.6	4.1	3.0	1.2	0.1	0.3	3.9	7.5	8.3	9.2	9.6	10.1	10.9	12.0	11.9	9.1	10.7	10.8	10.5	9.7	9.2	8.0	6.6	5.3	8.6	12.3	0.1

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
April 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.4	-0.3	-0.6	-0.8	-1.1	-1.4	-2.2	-1.4	-0.1	0.9	1.7	2.3	2.6	3.4	4.0	3.9	3.3	2.4	0.8	-0.5	-2.2	-2.6	-2.5	-2.2	0.3	4.0	-2.6
2	-2.4	-3.5	-3.8	-4.0	-5.2	-5.8	-6.5	-5.0	-4.1	-3.1	-2.1	-1.5	-0.5	0.9	1.0	0.1	0.8	0.4	-1.3	-3.1	-5.0	-5.7	-6.0	-6.0	-3.0	1.0	-6.5
3	-5.5	-5.2	-5.7	-6.5	-6.6	-8.2	-9.7	-6.3	-2.2	-0.3	1.6	2.7	3.6	4.4	4.3	4.2	4.2	4.4	3.4	1.3	0.3	-1.0	-1.4	-1.9	-1.1	4.4	-9.7
4	-2.0	-1.5	-1.1	-2.3	-3.8	-4.4	-4.4	-2.2	1.6	3.1	2.7	3.9	5.6	6.7	6.5	5.6	5.1	2.1	-0.4	-1.1	-2.4	-4.2	-5.3	-6.3	0.1	6.7	-6.3
5	-7.7	-9.3	-10.0	-9.7	-9.6	-9.2	-7.7	-5.9	-3.8	-2.0	-0.9	-0.2	-0.8	-1.0	-0.9	-1.0	-0.8	-0.6	-1.0	-1.6	-2.0	-2.6	-2.3	-2.4	-3.9	-0.2	-10.0
6	-2.6	-2.8	-2.9	-3.2	-3.3	-3.5	-3.6	-3.6	-3.4	-2.6	-1.4	0.1	1.0	2.3	1.3	0.5	0.3	-0.7	-0.9	-1.0	-1.6	-1.9	-2.5	-3.6	-1.7	2.3	-3.6
7	-6.8	-9.4	-11.0	-12.6	-14.0	-15.4	-15.4	-13.0	-8.6	-4.5	-0.1	2.3	3.6	4.5	5.4	6.3	6.3	5.8	3.8	0.8	-0.5	-0.8	-2.4	-4.6	-3.3	6.3	-15.4
8	-4.6	-4.8	-4.2	-5.1	-4.4	-4.8	-4.3	-1.0	3.3	5.8	4.2	4.0	3.5	3.7	4.5	3.5	3.4	2.6	0.9	-0.1	-1.6	-3.1	-3.9	-4.9	-0.3	5.8	-5.1
9	-5.6	-5.8	-6.8	-6.7	-7.4	-7.9	-7.4	-3.8	0.0	3.8	5.7	7.1	7.8	8.6	9.4	9.6	9.2	9.1	7.3	2.2	0.0	-1.9	-2.7	-2.8	0.9	9.6	-7.9
10	-4.6	-5.1	-5.4	-6.7	-6.9	-7.1	-6.3	-2.4	3.3	6.1	7.2	7.3	9.0	9.6	10.9	11.1	10.3	9.7	9.1	6.8	3.0	1.5	0.1	-1.2	2.5	11.1	-7.1
11	-0.5	0.2	-0.8	-1.6	-1.5	-2.1	-1.1	0.4	6.2	9.9	10.9	10.9	11.1	10.5	9.8	9.2	6.2	4.9	3.5	2.5	2.5	1.8	1.4	0.6	4.0	11.1	-2.1
12	-0.6	-2.3	-3.0	-3.7	-3.3	-3.2	-3.3	-2.1	-1.0	0.5	0.6	0.5	1.5	3.0	3.2	4.4	4.4	3.1	1.9	1.4	1.2	1.1	0.6	0.0	0.2	4.4	-3.7
13	-0.5	-1.8	-4.2	-5.4	-7.0	-6.6	-3.8	0.9	3.4	5.5	7.1	8.7	10.5	12.7	13.1	13.6	14.0	14.1	12.2	9.3	9.1	8.3	8.7	9.4	5.5	14.1	-7.0
14	4.8	2.8	-0.9	-3.0	-2.9	1.5	8.0	10.6	13.0	13.7	14.1	14.6	14.1	12.8	12.2	7.2	0.8	-0.1	-0.9	-1.7	-2.0	-2.2	-2.3	-2.6	4.6	14.6	-3.0
15	-2.7	-2.7	-2.7	-2.5	-2.1	-2.2	-2.3	-2.4	-2.1	-1.4	-0.6	-0.3	0.0	0.1	0.8	1.5	2.0	1.8	1.1	-0.9	-3.4	-5.6	-5.6	-7.6	-1.7	2.0	-7.6
16	-9.0	-10.6	-11.8	-12.4	-12.1	-12.8	-12.2	-8.1	-5.0	0.3	3.3	5.0	6.2	7.3	8.1	9.1	9.7	9.7	8.3	2.5	0.2	-1.1	-2.2	-3.6	-1.3	9.7	-12.8
17	-4.4	-5.0	-4.6	-5.7	-6.3	-6.7	-5.3	-0.6	4.3	8.7	11.5	13.0	13.6	14.1	14.9	15.4	15.2	14.9	13.0	6.8	4.3	2.5	0.7	-0.3	4.8	15.4	-6.7
18	-3.1	-3.8	-4.9	-4.6	-5.1	-5.1	-4.7	-0.5	5.1	7.4	4.6	2.1	2.9	3.8	4.4	5.0	3.8	3.1	2.1	0.5	-0.8	-1.7	-3.4	-5.1	0.1	7.4	-5.1
19	-6.4	-6.6	-7.2	-8.5	-8.6	-8.5	-7.1	-3.0	0.9	3.1	4.4	4.9	5.0	5.5	6.1	7.1	6.2	5.5	4.7	3.3	-1.0	-3.3	-4.9	-6.4	-0.6	7.1	-8.6
20	-7.5	-7.7	-8.3	-8.9	-9.5	-9.6	-7.7	-3.0	2.6	6.6	8.7	10.2	11.5	12.2	12.5	12.1	11.9	12.3	10.7	7.6	3.1	1.5	0.6	-1.4	2.5	12.5	-9.6
21	-2.8	-4.8	-5.0	-5.0	-5.7	-5.8	-3.7	1.6	7.4	11.6	12.7	14.1	13.5	13.7	14.2	14.3	14.8	14.3	13.8	8.9	6.6	5.6	3.5	2.4	5.8	14.8	-5.8
22	2.4	1.3	-0.4	-3.2	-3.0	-2.5	-2.2	2.9	8.7	13.1	14.9	16.0	16.7	16.2	16.5	16.7	14.4	11.4	10.0	9.3	6.7	4.7	5.0	4.2	7.5	16.7	-3.2
23	4.0	3.0	2.2	1.2	-0.1	-1.9	-1.3	0.5	4.6	7.2	9.0	10.4	11.5	12.6	13.2	13.5	12.9	12.0	11.0	9.2	8.2	6.5	5.1	3.5	6.6	13.5	-1.9
24	0.6	-0.3	-1.1	-3.4	-4.4	-3.9	-1.7	1.7	4.4	8.6	9.3	9.1	9.7	9.7	8.6	6.6	4.7	4.9	3.8	2.2	0.6	0.3	0.2	0.3	2.9	9.7	-4.4
25	0.2	0.1	0.0	0.0	-0.4	-0.6	-0.8	-0.7	-0.3	0.3	1.3	2.3	3.4	3.9	5.1	4.6	4.3	4.7	3.7	0.8	-1.5	-2.8	-3.2	-2.3	0.9	5.1	-3.2
26	-0.8	-0.1	1.0	1.2	0.6	0.0	0.0	-0.1	0.2	0.3	0.8	1.7	1.0	1.3	1.9	1.5	1.1	0.9	0.7	0.1	0.0	-0.3	-0.3	-0.4	0.5	1.9	-0.8
27	-1.0	-2.3	-3.3	-4.6	-5.1	-4.8	-3.3	-0.4	1.4	3.2	4.8	5.7	6.7	7.9	9.0	9.8	10.3	10.4	9.5	5.3	2.7	0.8	-0.3	-1.8	2.5	10.4	-5.1
28	-3.5	-3.5	-3.8	-4.6	-4.3	-5.1	-2.1	3.7	9.1	11.2	13.1	14.9	16.3	17.4	18.2	18.3	18.6	18.5	17.3	11.1	7.3	5.2	2.8	0.1	7.3	18.6	-5.1
29	-0.1	0.1	-1.9	-1.9	-2.0	-1.3	2.5	8.9	14.6	16.8	17.5	18.9	19.6	20.3	19.7	18.0	14.3	12.7	12.2	9.9	8.6	7.6	5.9	4.4	9.4	20.3	-2.0
30	4.0	3.1	2.5	1.8	1.2	1.7	1.3	2.7	4.9	6.5	7.5	8.7	9.8	11.0	11.6	12.2	12.6	12.2	11.1	8.5	3.7	1.1	-0.3	-2.3	5.7	12.6	-2.3
Avg	-2.3	-3.0	-3.7	-4.4	-4.8	-4.9	-3.9	-1.1	2.3	4.7	5.8	6.6	7.3	8.0	8.3	8.1	7.5	6.9	5.7	3.3	1.5	0.3	-0.6	-1.5	1.9	9.1	-5.8
Max	4.8	3.1	2.5	1.8	1.2	1.7	8.0	10.6	14.6	16.8	17.5	18.9	19.6	20.3	19.7	18.3	18.6	18.5	17.3	11.1	9.1	8.3	8.7	9.4	9.4	20.3	-0.8
Min	-9.0	-10.6	-11.8	-12.6	-14.0	-15.4	-15.4	-13.0	-8.6	-4.5	-2.1	-1.5	-0.8	-1.0	-0.9	-1.0	-0.8	-0.7	-1.3	-3.1	-5.0	-5.7	-6.0	-7.6	-3.9	-0.2	-15.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
May 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-3.1	-3.4	-4.1	-4.0	-4.2	-4.0	-3.3	0.2	5.1	10.6	12.8	13.2	13.1	14.5	16.1	16.2	16.6	16.3	15.0	11.1	7.4	8.7	6.4	5.3	6.8	16.6	-4.2
2	3.4	2.5	1.2	0.9	0.2	0.1	0.9	5.1	12.8	14.1	14.4	14.8	15.1	16.3	15.7	14.8	14.6	14.5	12.8	10.3	6.4	4.2	3.6	2.3	8.4	16.3	0.1
3	0.5	-0.9	-3.1	-4.5	-4.8	-5.4	-2.7	3.5	6.9	8.4	10.0	11.6	12.8	13.9	14.2	14.5	14.5	13.6	11.6	9.7	7.6	7.4	7.2	6.5	6.4	14.5	-5.4
4	6.2	4.6	5.1	4.0	0.8	-0.9	1.4	8.4	12.0	13.4	15.3	16.4	17.1	18.0	18.9	18.2	18.6	18.0	16.4	12.6	11.6	11.0	5.8	3.4	10.7	18.9	-0.9
5	2.5	1.6	0.5	-0.5	0.0	0.8	4.4	10.2	14.1	16.6	16.9	17.3	18.5	18.2	15.2	10.2	9.3	9.4	9.3	8.7	8.0	7.4	6.9	6.5	8.8	18.5	-0.5
6	6.2	5.6	5.2	5.2	4.1	3.4	3.3	2.2	1.8	3.2	4.8	6.0	7.3	7.9	8.5	8.7	8.4	7.6	6.6	5.3	4.8	4.6	3.9	3.3	5.3	8.7	1.8
7	2.9	2.2	1.9	1.8	1.5	1.2	1.4	2.0	2.6	2.7	2.9	3.3	3.8	4.0	4.3	4.7	5.2	4.0	3.5	3.1	2.7	2.2	1.8	0.4	2.8	5.2	0.4
8	-1.4	-3.5	-4.8	-5.2	-6.0	-5.3	-3.2	-0.7	1.2	2.3	2.6	3.0	3.6	3.8	4.1	3.3	2.0	1.6	0.8	1.0	1.1	1.1	0.8	0.2	0.1	4.1	-6.0
9	-0.7	-1.1	-2.6	-4.5	-5.7	-5.8	-3.2	-0.1	2.9	3.8	4.9	6.3	6.7	6.9	7.1	6.5	5.6	5.8	5.3	3.6	2.1	-0.5	-2.7	-4.3	1.5	7.1	-5.8
10	-5.9	-6.6	-7.1	-6.9	-8.3	-7.8	-4.7	-0.1	4.6	6.6	8.0	9.0	9.7	10.1	10.6	10.7	10.0	10.0	8.2	5.1	1.7	0.1	-2.0	-4.0	2.1	10.7	-8.3
11	-5.5	-6.6	-6.9	-7.8	-8.1	-7.7	-3.7	1.8	7.1	8.6	10.3	10.4	10.5	11.3	11.2	11.5	11.6	11.1	10.3	9.1	7.4	6.4	5.7	4.9	4.3	11.6	-8.1
12	4.7	4.8	5.2	5.2	5.0	4.6	5.3	5.8	6.1	6.5	6.2	7.0	8.2	9.4	9.9	9.1	8.2	7.2	7.0	6.6	5.7	5.1	4.1	3.6	6.3	9.9	3.6
13	3.4	3.8	3.8	4.1	4.0	4.1	4.4	5.3	7.5	9.1	10.6	11.9	12.5	13.4	14.6	15.3	14.1	11.6	10.8	9.6	8.1	6.5	5.0	4.2	8.2	15.3	3.4
14	3.6	2.1	2.0	2.8	5.5	5.9	6.0	6.8	7.7	7.8	10.0	11.1	12.3	13.3	11.3	8.9	7.8	7.8	7.3	7.5	7.2	7.5	8.2	8.5	7.5	13.3	2.0
15	8.2	8.2	7.5	6.7	7.2	7.2	7.4	7.0	7.9	9.2	8.5	7.2	7.9	8.5	9.3	9.4	10.3	9.1	8.0	7.4	6.7	6.5	6.3	6.6	7.8	10.3	6.3
16	6.5	6.3	6.2	5.7	6.0	5.4	5.0	5.1	5.5	5.8	5.8	5.5	5.5	5.4	4.8	4.8	4.8	4.3	3.5	2.6	2.2	2.0	1.8	1.7	4.7	6.5	1.7
17	1.6	1.7	1.6	1.6	1.8	2.1	2.8	3.2	3.3	3.0	2.4	2.2	2.2	2.2	1.8	2.9	3.0	3.2	2.4	1.9	1.1	0.8	0.9	0.9	2.1	3.3	0.8
18	0.7	0.9	1.0	0.5	0.2	0.4	1.4	2.3	2.7	3.5	4.4	5.3	5.8	6.1	6.7	6.3	5.7	4.3	3.9	3.6	3.6	3.8	3.9	3.8	3.4	6.7	0.2
19	3.8	3.6	3.5	1.9	0.2	2.5	3.8	5.5	6.9	7.3	8.6	8.9	8.4	8.5	9.6	10.1	9.6	8.0	6.8	5.4	5.6	5.5	4.8	2.7	5.9	10.1	0.2
20	1.1	1.8	2.2	3.0	2.3	2.2	4.5	5.6	7.3	8.6	10.2	11.2	12.1	12.3	12.5	12.3	12.1	11.5	10.4	8.7	6.7	4.9	4.7	5.0	7.2	12.5	1.1
21	4.3	3.8	2.1	1.0	-0.7	-0.8	4.6	8.4	10.8	11.4	12.4	13.7	15.0	15.5	15.8	14.9	13.3	12.9	12.5	11.2	9.2	7.3	7.0	5.3	8.8	15.8	-0.8
22	6.4	4.4	2.4	0.8	0.1	0.4	4.6	9.2	11.4	12.8	13.7	14.6	10.8	9.7	9.5	11.4	12.6	12.2	11.3	9.8	7.4	6.2	6.2	6.0	8.1	14.6	0.1
23	5.7	5.1	3.9	2.9	1.7	2.6	3.6	5.9	7.6	8.5	8.7	7.8	7.8	7.4	6.6	6.5	6.9	7.3	7.3	6.9	5.2	5.5	5.5	5.1	5.9	8.7	1.7
24	4.0	2.6	3.0	3.2	3.5	3.7	4.9	5.7	7.0	7.7	9.3	10.2	10.9	11.2	11.7	11.2	11.6	10.6	10.2	8.6	5.9	4.7	4.0	1.7	7.0	11.7	1.7
25	1.3	0.1	-0.3	-0.9	-1.7	-0.9	2.2	7.0	11.0	12.2	12.8	13.6	13.4	12.6	13.1	15.9	15.8	15.3	13.3	12.2	10.4	8.4	6.7	7.2	8.4	15.9	-1.7
26	7.2	7.1	7.4	7.1	6.4	6.6	6.9	7.2	7.5	8.5	9.5	10.5	12.0	12.8	14.2	14.8	13.9	13.6	13.3	10.9	8.2	6.5	5.1	4.9	9.3	14.8	4.9
27	3.5	3.6	4.6	5.4	5.4	6.2	7.3	9.3	9.9	11.0	12.1	12.2	13.3	13.3	14.5	14.7	14.3	14.3	12.8	10.6	9.4	8.6	7.7	6.7	9.6	14.7	3.5
28	5.6	4.5	4.8	5.4	5.0	5.0	5.9	6.7	7.9	8.1	8.0	8.3	8.9	10.0	9.6	9.2	9.6	8.9	8.8	8.4	7.1	7.0	6.6	6.1	7.3	10.0	4.5
29	5.6	5.0	5.2	5.3	5.2	5.1	6.4	8.4	9.3	10.8	10.8	11.9	12.8	13.5	14.4	15.0	14.8	14.2	12.0	10.1	9.1	8.8	8.3	7.5	9.6	15.0	5.0
30	7.1	6.4	5.7	4.0	3.0	2.4	6.3	11.8	14.7	15.1	15.2	16.0	15.9	15.6	13.8	11.2	11.7	12.8	12.8	12.0	9.9	8.2	6.1	5.7	10.1	16.0	2.4
31	4.3	3.9	3.2	2.3	1.9	1.9	5.7	9.0	11.2	14.7	17.2	18.6	19.2	19.4	20.4	21.4	21.9	21.0	18.5	16.2	13.5	11.4	10.1	8.7	12.3	21.9	1.9
Avg	3.0	2.4	1.9	1.5	1.0	1.1	2.9	5.4	7.6	8.8	9.7	10.3	10.7	11.1	11.3	11.1	10.9	10.4	9.4	8.1	6.5	5.7	4.9	4.1	6.7	12.2	0.2
Max	8.2	8.2	7.5	7.1	7.2	7.2	7.4	11.8	14.7	16.6	17.2	18.6	19.2	19.4	20.4	21.4	21.9	21.0	18.5	16.2	13.5	11.4	10.1	8.7	12.3	21.9	6.3
Min	-5.9	-6.6	-7.1	-7.8	-8.3	-7.8	-4.7	-0.7	1.2	2.3	2.4	2.2	2.2	2.2	1.8	2.9	2.0	1.6	0.8	1.0	1.1	-0.5	-2.7	-4.3	0.1	3.3	-8.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
June 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	7.7	7.4	7.1	7.8	7.5	8.3	9.5	11.5	15.1	18.2	19.0	19.9	20.6	21.0	20.5	17.8	13.8	10.7	11.3	9.9	9.1	9.3	8.4	7.0	12.4	21.0	7.0
2	6.4	5.7	3.7	3.4	3.1	3.5	5.1	8.7	11.2	11.5	12.6	12.6	12.9	15.5	14.2	9.1	11.1	13.3	12.1	11.2	9.6	7.9	6.1	4.6	9.0	15.5	3.1
3	4.5	4.2	4.1	3.7	4.0	4.4	5.6	8.6	11.0	11.8	13.2	14.3	15.0	13.2	14.0	14.3	15.2	15.8	14.9	12.5	10.1	7.8	7.6	7.7	9.9	15.8	3.7
4	7.3	7.5	6.9	6.0	4.5	4.3	5.8	8.8	11.1	12.3	13.5	14.6	15.9	16.2	17.0	17.0	17.3	17.4	16.5	14.5	11.9	11.7	10.5	9.9	11.6	17.4	4.3
5	7.9	6.8	5.4	4.7	4.3	4.9	7.3	10.3	13.5	16.5	17.1	16.6	17.4	17.0	18.2	17.6	12.3	12.0	11.2	10.3	10.9	9.6	7.6	6.8	11.1	18.2	4.3
6	5.0	3.8	2.8	2.6	1.9	2.4	5.2	9.6	13.6	16.4	17.5	18.4	18.8	20.1	20.8	21.2	21.3	20.8	18.5	16.8	16.1	14.9	12.3	11.0	13.0	21.3	1.9
7	9.8	8.9	8.2	7.3	6.2	5.5	8.7	13.2	17.3	19.3	20.2	20.9	21.9	22.0	22.5	21.8	21.8	22.1	21.6	19.4	15.5	13.5	11.7	9.4	15.4	22.5	5.5
8	8.8	7.9	6.4	5.9	6.0	6.8	9.7	14.3	19.0	20.5	21.6	22.9	24.0	25.0	25.8	26.2	26.5	26.3	25.4	22.9	18.3	13.6	11.8	10.4	16.9	26.5	5.9
9	9.5	8.4	7.7	7.4	5.7	7.1	10.6	15.7	19.9	22.3	23.4	24.7	25.4	26.0	26.3	26.1	22.0	17.6	16.8	17.2	16.0	16.4	16.7	15.6	16.9	26.3	5.7
10	14.6	13.0	12.1	10.9	10.1	9.8	12.3	15.6	17.3	17.3	17.5	17.5	19.5	21.2	21.7	21.4	20.2	20.3	19.0	17.6	15.5	13.7	12.5	10.1	15.9	21.7	9.8
11	8.3	7.4	7.0	5.9	5.4	5.1	8.6	13.1	17.2	18.9	20.2	21.1	20.5	22.0	22.9	22.9	23.4	23.0	22.3	19.7	14.9	11.4	8.7	7.9	14.9	23.4	5.1
12	6.5	5.1	4.4	3.2	2.3	3.9	8.2	15.3	17.5	18.6	19.5	20.4	21.0	21.6	22.0	22.0	21.7	20.9	19.8	17.9	12.6	12.5	11.8	9.0	14.1	22.0	2.3
13	5.3	4.6	2.0	0.2	-0.8	-0.3	4.2	10.4	12.0	12.8	14.0	15.3	16.1	17.2	17.6	18.1	18.3	17.5	16.1	14.9	13.2	12.4	10.8	9.4	10.9	18.3	-0.8
14	9.3	7.7	5.7	5.3	5.2	5.6	6.8	7.9	8.9	9.8	10.2	10.6	11.6	12.9	13.4	14.1	13.1	12.3	11.8	10.7	9.3	9.0	8.2	6.6	9.4	14.1	5.2
15	6.4	4.0	4.6	3.1	1.9	2.5	6.0	9.7	9.7	10.4	10.7	11.1	12.7	13.8	13.3	12.1	12.0	11.7	11.1	9.9	9.1	9.4	8.9	8.9	8.9	13.8	1.9
16	7.8	8.2	8.2	8.0	7.9	7.2	9.0	11.2	12.7	14.6	15.9	17.0	17.5	17.2	18.2	19.5	19.8	18.5	16.5	14.8	12.0	10.7	8.5	7.3	12.8	19.8	7.2
17	6.1	5.1	4.9	5.2	4.9	6.4	9.2	12.2	15.1	18.1	19.5	20.5	20.5	22.3	21.6	21.0	20.6	19.2	18.5	16.7	14.8	12.9	10.5	10.0	14.0	22.3	4.9
18	8.7	7.5	8.7	9.8	9.3	9.8	12.1	13.8	15.3	15.6	Au	Au	Au	Au	21.6	22.7	21.6	21.4	20.6	17.0	16.5	14.3	12.0	10.3	14.4	22.7	7.5
19	9.2	8.3	6.4	4.9	3.8	4.1	8.2	12.4	17.0	19.0	18.8	18.4	18.9	20.7	21.3	20.6	18.4	18.5	18.4	17.4	15.7	13.4	12.9	10.1	14.0	21.3	3.8
20	6.3	5.2	3.5	2.4	1.0	2.0	5.4	10.9	13.8	15.1	16.2	17.4	17.7	17.5	17.9	18.2	18.4	18.6	18.7	16.8	12.9	9.9	8.5	5.6	11.7	18.7	1.0
21	4.8	3.0	2.2	0.7	0.3	1.4	6.1	11.0	16.0	18.8	19.7	20.2	20.0	19.6	16.4	15.7	14.6	14.0	13.0	12.0	11.1	9.0	7.0	7.3	11.0	20.2	0.3
22	6.8	5.9	5.9	4.3	5.3	5.9	7.2	8.2	9.6	12.2	14.4	16.4	17.6	18.2	19.0	19.1	18.8	18.1	17.1	16.0	11.5	9.8	6.7	6.7	11.7	19.1	4.3
23	4.4	3.3	2.5	2.1	1.4	2.6	6.3	11.5	16.4	18.9	20.3	21.0	20.4	21.6	21.6	21.9	22.5	22.1	20.9	18.6	16.4	13.8	14.3	12.6	14.1	22.5	1.4
24	11.9	12.0	11.6	11.1	8.5	8.3	10.4	14.3	16.5	17.5	17.9	18.3	19.9	21.2	21.1	21.3	22.5	22.0	21.4	19.8	17.5	16.7	16.8	16.5	16.5	22.5	8.3
25	15.7	14.8	13.2	12.4	12.2	12.2	12.3	13.6	15.8	18.3	19.3	19.8	20.9	21.8	22.4	22.4	22.1	23.2	22.2	20.6	16.8	14.1	11.7	10.2	17.0	23.2	10.2
26	9.4	8.6	7.2	5.9	4.7	5.6	10.0	14.9	19.8	22.1	23.1	24.4	25.3	26.6	27.3	27.5	28.0	27.5	27.3	23.9	18.7	14.8	12.3	11.2	17.8	28.0	4.7
27	10.1	9.6	9.2	8.2	7.5	8.0	12.2	17.3	22.5	25.5	27.4	28.3	29.2	29.8	30.3	30.7	30.5	30.2	29.1	26.3	22.6	18.8	16.3	14.4	20.6	30.7	7.5
28	13.3	12.2	12.1	10.2	9.6	9.4	13.3	18.4	23.3	27.1	28.5	29.7	30.4	30.3	30.4	30.7	30.0	29.1	26.9	25.3	21.1	17.3	16.4	14.8	21.2	30.7	9.4
29	13.7	11.6	10.4	9.5	8.7	8.9	12.5	17.8	23.8	27.8	28.9	30.0	30.8	30.4	29.8	28.6	23.0	18.1	18.7	18.5	17.4	16.0	15.6	15.0	19.4	30.8	8.7
30	14.3	13.9	13.5	13.1	13.0	12.3	14.0	17.3	20.8	22.7	24.3	24.8	24.3	26.3	25.9	25.7	24.7	24.5	23.7	21.5	18.1	16.1	12.9	9.9	19.1	26.3	9.9
Avg	8.7	7.7	6.9	6.2	5.5	5.9	8.7	12.6	15.8	17.7	18.8	19.6	20.2	21.0	21.2	20.9	20.2	19.6	18.7	17.0	14.5	12.7	11.2	9.9	14.2	21.9	5.1
Max	15.7	14.8	13.5	13.1	13.0	12.3	14.0	18.4	23.8	27.8	28.9	30.0	30.8	30.4	30.4	30.7	30.5	30.2	29.1	26.3	22.6	18.8	16.8	16.5	21.2	30.8	10.2
Min	4.4	3.0	2.0	0.2	-0.8	-0.3	4.2	7.9	8.9	9.8	10.2	10.6	11.6	12.9	13.3	9.1	11.1	10.7	11.1	9.9	9.1	7.8	6.1	4.6	8.9	13.8	-0.8

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
April 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.08	0.08	0.08	0.09	0.16	0.19	0.22	-0.14	-0.57	-0.92	-1.00	-0.98	-0.83	-1.01	-0.88	-0.74	-0.58	-0.34	0.07	0.27	0.40	0.39	0.25	0.11	-0.23	0.40	-1.01
2	0.05	0.02	0.01	0.12	0.42	0.38	0.55	-0.34	-0.52	-0.75	-1.04	-1.02	-1.04	-1.42	-1.25	-0.48	-0.54	-0.33	0.12	0.44	0.50	0.73	0.40	0.06	-0.21	0.73	-1.42
3	-0.01	-0.07	0.52	1.20	0.81	1.07	0.99	-0.22	-0.47	-0.79	-1.18	-1.25	-1.39	-1.35	-1.11	-0.81	-0.47	-0.21	0.22	0.91	0.32	0.49	0.51	0.54	-0.07	1.20	-1.39
4	0.33	0.45	0.55	0.66	1.05	0.70	0.56	-0.09	-0.29	-0.56	-0.57	-0.75	-0.87	-1.07	-1.11	-0.70	-0.33	-0.13	-0.01	0.26	0.69	1.13	0.81	1.19	0.08	1.19	-1.11
5	1.22	1.26	1.34	1.12	0.66	0.87	0.44	-0.13	-0.23	-0.25	-0.36	-0.22	-0.25	-0.23	-0.14	-0.17	-0.19	-0.14	-0.11	-0.05	0.00	0.20	-0.01	-0.03	0.19	1.34	-0.36
6	-0.02	-0.03	-0.02	0.00	0.01	-0.02	-0.10	-0.23	-0.35	-0.58	-0.70	-0.84	-0.77	-0.68	-0.60	-0.49	-0.38	-0.15	-0.12	-0.08	0.02	0.18	0.40	0.81	-0.20	0.81	-0.84
7	1.76	1.89	1.81	2.05	1.66	2.19	1.25	0.59	-0.12	-0.19	-0.22	-0.41	-0.56	-0.72	-0.70	-0.70	-0.54	-0.16	0.24	0.75	0.53	0.18	0.67	0.93	0.51	2.19	-0.72
8	0.88	1.09	0.99	1.10	1.03	1.11	0.47	-0.27	-0.54	-0.77	-0.31	-0.30	-0.37	-0.55	-0.43	-0.56	-0.31	-0.19	0.03	0.31	0.71	0.63	0.62	1.07	0.23	1.11	-0.77
9	0.88	1.07	0.72	0.78	1.02	1.13	0.69	-0.07	-0.19	-0.54	-0.82	-1.12	-1.07	-0.99	-0.98	-0.90	-0.64	-0.54	0.40	0.99	0.73	0.91	0.91	0.73	0.13	1.13	-1.12
10	1.27	1.18	1.54	1.86	1.71	1.69	0.98	-0.25	-0.38	-0.87	-1.03	-0.81	-1.18	-1.08	-1.25	-1.04	-0.46	-0.02	0.46	0.99	1.19	0.55	1.23	1.37	0.32	1.86	-1.25
11	1.29	0.92	2.01	1.34	1.31	1.22	0.44	0.47	0.39	-0.32	-0.62	-0.52	-0.70	-0.68	-0.68	-0.69	-0.45	-0.48	-0.08	0.07	0.13	0.07	0.08	0.11	0.19	2.01	-0.70
12	0.18	0.39	0.50	0.85	0.21	0.00	0.03	-0.32	-0.51	-0.99	-0.96	-0.71	-0.93	-1.29	-1.02	-1.15	-0.89	-0.24	0.14	0.19	0.20	0.16	0.17	0.37	-0.23	0.85	-1.29
13	0.52	0.73	1.07	0.73	0.69	0.67	0.02	-0.32	-0.35	-0.58	-0.79	-0.95	-0.97	-1.22	-0.89	-0.76	-0.49	-0.23	0.68	1.86	1.29	1.48	1.28	0.99	0.19	1.86	-1.22
14	1.15	1.08	1.75	1.96	3.17	2.95	0.45	-0.10	-0.63	-0.48	-0.72	-1.22	-1.23	-0.62	-0.25	-0.30	-0.03	-0.05	0.00	0.02	-0.03	-0.04	-0.01	-0.03	0.28	3.17	-1.23
15	-0.02	-0.03	-0.02	-0.01	0.04	0.07	0.05	-0.01	-0.06	-0.11	-0.14	-0.13	-0.04	0.00	0.01	0.06	0.02	0.20	0.53	0.54	0.56	1.13	0.66	1.10	0.18	1.13	-0.14
16	1.02	1.26	1.76	0.99	0.95	1.06	1.11	-0.14	-0.43	-0.46	-0.50	-0.55	-0.69	-0.74	-0.70	-0.74	-0.67	-0.49	0.25	0.45	0.24	0.43	0.47	0.99	0.20	1.76	-0.74
17	1.28	0.92	1.15	0.85	1.37	1.21	0.55	-0.39	-0.45	-0.57	-0.89	-1.03	-0.86	-0.77	-0.82	-0.73	-0.69	-0.58	0.20	1.02	0.16	0.19	0.40	0.73	0.09	1.37	-1.03
18	1.64	1.47	2.09	1.05	1.09	1.07	0.84	-0.15	-0.55	-0.98	-0.72	-0.35	-0.74	-0.81	-0.92	-0.98	-0.74	-0.66	-0.14	0.37	0.72	0.87	0.97	1.09	0.23	2.09	-0.98
19	1.31	1.25	0.76	1.39	1.13	0.79	0.35	-0.28	-0.39	-0.72	-0.88	-0.70	-0.65	-0.92	-0.64	-0.92	-0.51	-0.22	0.05	0.27	0.93	1.01	1.00	1.78	0.22	1.78	-0.92
20	1.66	1.37	1.55	1.56	1.66	1.12	0.32	-0.34	-0.41	-0.99	-1.27	-1.36	-1.38	-1.37	-1.25	-0.82	-0.62	-0.61	0.14	1.07	1.21	0.73	0.70	1.25	0.16	1.66	-1.38
21	0.97	1.80	1.42	1.17	1.66	1.21	0.32	-0.26	-0.51	-0.80	-0.90	-1.11	-0.66	-0.55	-0.64	-0.53	-0.66	-0.28	0.06	0.70	0.42	0.81	0.86	2.84	0.31	2.84	-1.11
22	2.24	2.52	1.03	1.87	1.24	0.76	1.03	-0.39	-0.42	-0.68	-1.00	-1.15	-1.29	-0.69	-0.67	-0.68	-0.05	0.16	0.47	0.85	0.19	0.33	0.07	0.37	0.25	2.52	-1.29
23	0.16	0.16	0.17	0.55	0.93	0.90	-0.02	-0.27	-0.47	-0.79	-1.08	-1.13	-1.19	-1.31	-1.03	-0.98	-0.62	-0.21	0.25	0.83	0.49	0.41	0.28	0.47	-0.15	0.93	-1.31
24	1.18	0.94	0.80	1.47	1.34	0.90	0.03	-0.25	-0.24	-0.59	-0.55	-0.54	-0.69	-0.63	-0.58	-0.25	-0.13	-0.09	0.00	0.00	0.04	0.00	-0.02	0.00	0.09	1.47	-0.69
25	-0.01	0.00	0.06	0.06	0.06	0.03	0.02	-0.04	-0.12	-0.24	-0.42	-0.58	-0.70	-0.75	-1.04	-0.83	-0.61	-0.49	-0.05	0.58	0.69	0.80	0.80	0.55	-0.09	0.80	-1.04
26	0.40	0.21	0.09	0.03	-0.02	-0.04	-0.10	-0.18	-0.34	-0.24	-0.53	-0.61	-0.56	-0.64	-0.56	-0.47	-0.47	-0.38	-0.24	-0.09	-0.10	-0.11	-0.09	-0.10	-0.21	0.40	-0.64
27	0.01	0.34	0.34	0.68	0.78	0.50	-0.17	-0.37	-0.35	-0.59	-1.02	-0.98	-0.92	-1.01	-0.91	-0.97	-0.83	-0.67	-0.14	0.80	0.11	0.23	0.25	0.75	-0.17	0.80	-1.02
28	1.08	1.23	1.08	1.23	1.27	1.45	0.27	-0.18	-0.52	-0.61	-0.71	-1.05	-1.19	-1.09	-1.01	-0.77	-0.65	-0.42	0.16	0.75	0.17	0.15	0.58	1.39	0.11	1.45	-1.19
29	1.30	1.17	1.77	1.34	1.55	1.50	0.18	-0.28	-0.41	-0.86	-0.93	-1.23	-1.14	-1.04	-0.56	-0.06	0.13	0.18	0.11	0.40	0.32	0.16	0.34	0.44	0.18	1.77	-1.23
30	0.17	0.18	0.31	0.18	0.47	0.20	0.12	-0.13	-0.60	-0.90	-1.03	-1.17	-1.20	-1.34	-1.20	-1.02	-0.78	-0.44	0.10	1.15	1.87	0.64	0.75	1.28	-0.10	1.87	-1.34
Avg	0.80	0.83	0.91	0.94	0.98	0.90	0.40	-0.17	-0.37	-0.62	-0.76	-0.83	-0.87	-0.89	-0.79	-0.67	-0.47	-0.27	0.13	0.55	0.49	0.49	0.51	0.77	0.08	1.48	-1.02
Max	2.24	2.52	2.09	2.05	3.17	2.95	1.25	0.59	0.39	-0.11	-0.14	-0.13	-0.04	0.00	0.01	0.06	0.13	0.20	0.68	1.86	1.87	1.48	1.28	2.84	0.51	3.17	-0.14
Min	-0.02	-0.07	-0.02	-0.01	-0.02	-0.04	-0.17	-0.39	-0.63	-0.99	-1.27	-1.36	-1.39	-1.42	-1.25	-1.15	-0.89	-0.67	-0.24	-0.09	-0.10	-0.11	-0.09	-0.10	-0.23	0.40	-1.42

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
May 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.04	0.78	1.08	0.85	1.01	0.97	0.42	-0.25	-0.35	-0.52	-0.77	-0.80	-0.56	-0.61	-0.98	-0.76	-0.72	-0.31	0.14	1.89	2.43	1.35	1.96	1.23	0.36	2.43	-0.98
2	0.53	0.61	0.80	0.47	0.72	0.56	0.07	-0.28	-0.64	-0.92	-0.96	-0.72	-0.60	-0.87	-0.62	-0.27	-0.26	-0.24	0.33	1.09	1.40	0.86	0.95	0.97	0.12	1.40	-0.96
3	1.05	0.88	1.20	1.40	1.16	1.36	0.09	0.41	-0.75	-0.77	-0.83	-0.87	-1.02	-1.18	-1.03	-0.74	-0.80	-0.46	-0.11	0.17	0.44	0.54	0.43	0.65	0.05	1.40	-1.18
4	0.47	1.33	0.69	0.90	1.68	1.56	0.20	-0.33	-0.53	-0.66	-0.97	-0.96	-0.85	-0.84	-1.10	-0.68	-0.80	-0.41	0.31	0.81	0.95	0.71	2.82	2.78	0.29	2.82	-1.10
5	1.67	1.20	1.48	1.70	1.01	0.89	0.17	-0.29	-0.45	-0.68	-0.65	-0.64	-0.88	-0.59	0.08	0.64	-0.07	-0.13	-0.06	0.20	0.29	0.18	0.13	0.09	0.22	1.70	-0.88
6	0.14	0.26	0.27	0.27	0.23	0.12	-0.04	-0.02	-0.20	-0.44	-0.83	-0.89	-0.93	-0.68	-0.84	-0.76	-0.62	-0.43	-0.08	0.05	-0.02	-0.02	-0.01	0.03	-0.23	0.27	-0.93
7	0.04	0.20	0.20	0.16	0.04	-0.07	-0.17	-0.36	-0.38	-0.44	-0.59	-0.65	-0.55	-0.85	-0.99	-1.09	-0.82	-0.28	-0.15	-0.08	-0.04	0.03	0.05	0.44	-0.26	0.44	-1.09
8	0.61	1.09	1.77	1.41	1.16	0.70	-0.11	-0.21	-0.15	-0.40	-0.44	-0.48	-0.65	-0.50	-0.35	-0.47	-0.31	-0.17	-0.15	-0.15	-0.07	0.01	-0.03	0.14	0.09	1.77	-0.65
9	0.21	0.15	0.50	0.74	0.72	0.37	-0.21	-0.30	-0.88	-1.12	-1.08	-1.50	-1.16	-0.64	-0.69	-0.68	-0.59	-0.48	-0.21	-0.02	0.14	0.50	0.59	0.93	-0.20	0.93	-1.50
10	1.64	1.44	1.25	0.82	1.78	0.44	-0.07	-0.39	-0.53	-0.63	-0.91	-0.92	-1.07	-0.88	-0.98	-0.91	-0.68	-0.61	-0.13	0.30	0.73	0.55	0.96	1.81	0.13	1.81	-1.07
11	1.62	1.82	1.33	1.06	1.46	0.92	-0.28	-0.36	-0.53	-0.50	-0.79	-0.78	-0.74	-0.77	-0.55	-0.47	-0.30	-0.16	-0.07	0.03	0.04	0.05	0.08	0.15	0.09	1.82	-0.79
12	0.31	0.25	0.03	0.10	0.18	0.21	-0.13	-0.43	-0.57	-0.85	-0.75	-0.71	-1.17	-1.23	-1.14	-0.37	-0.27	-0.20	-0.16	-0.10	-0.04	0.02	-0.03	-0.03	-0.29	0.31	-1.23
13	-0.01	0.11	0.08	0.04	0.04	0.02	-0.08	-0.27	-0.67	-0.88	-1.26	-1.19	-1.01	-0.74	-0.75	-0.83	-0.68	-0.32	-0.22	-0.10	-0.06	0.22	0.37	0.02	-0.34	0.37	-1.26
14	-0.05	0.56	0.27	0.00	0.07	-0.09	-0.15	-0.28	-0.97	-1.23	-1.69	-1.88	-1.61	-1.66	-1.30	-0.72	-0.32	-0.36	-0.29	-0.04	-0.08	-0.06	0.03	-0.02	-0.49	0.56	-1.88
15	-0.06	-0.06	-0.06	-0.04	-0.02	-0.05	-0.15	-0.34	-0.62	-0.77	-0.69	-0.50	-0.57	-0.72	-0.92	-0.85	-0.58	-0.33	-0.21	-0.13	-0.06	-0.05	-0.01	0.08	-0.32	0.08	-0.92
16	0.10	0.09	0.05	0.10	0.07	0.09	-0.02	0.01	-0.12	-0.19	-0.23	-0.33	-0.40	-0.23	-0.25	-0.15	-0.15	-0.05	0.01	0.05	0.06	0.08	0.07	0.05	-0.05	0.10	-0.40
17	-0.01	-0.01	-0.03	-0.04	0.03	-0.04	-0.05	-0.27	-0.32	-0.24	-0.14	-0.19	-0.33	-0.48	-0.34	-0.52	-0.50	-0.50	-0.30	-0.12	-0.10	-0.10	-0.11	-0.09	-0.20	0.03	-0.52
18	0.01	-0.09	-0.07	-0.02	-0.07	-0.11	-0.34	-0.54	-0.65	-0.99	-1.32	-1.63	-1.51	-1.65	-1.70	-1.35	-1.05	-0.41	-0.22	-0.14	-0.12	-0.09	-0.06	-0.05	-0.59	0.01	-1.70
19	-0.03	-0.03	-0.03	0.24	0.90	-0.06	-0.27	-0.59	-0.58	-0.52	-0.74	-1.08	-0.83	-0.58	-0.60	-0.56	-0.63	-0.34	-0.44	-0.20	-0.07	-0.02	0.21	1.29	-0.23	1.29	-1.08
20	0.55	0.23	0.61	0.45	0.20	0.55	-0.26	-0.59	-1.07	-1.36	-1.48	-1.45	-1.33	-1.54	-1.54	-1.28	-0.95	-0.52	-0.23	0.00	0.36	0.89	0.79	0.44	-0.36	0.89	-1.54
21	0.57	0.39	1.45	2.22	1.65	1.06	-0.18	-0.51	-1.00	-1.13	-1.04	-1.14	-1.52	-1.49	-1.50	-1.30	-0.53	-0.24	-0.23	0.06	0.50	0.56	0.65	1.40	-0.05	2.22	-1.52
22	1.29	1.46	1.71	1.11	1.02	0.74	-0.24	-0.44	-0.49	-0.64	-0.67	-0.70	0.02	-0.34	-0.36	-0.50	-0.62	-0.40	-0.27	0.13	0.52	0.18	0.02	0.28	0.12	1.71	-0.70
23	0.53	0.32	0.44	0.64	0.77	0.41	0.00	-0.11	-0.10	-0.14	-0.14	-0.19	-0.19	-0.22	-0.18	-0.14	-0.16	-0.09	-0.01	0.23	0.41	0.24	0.24	0.26	0.12	0.77	-0.22
24	0.42	0.21	0.00	-0.08	-0.01	0.06	-0.04	-0.07	-0.03	-0.18	-0.41	-0.46	-0.48	-0.49	-0.51	-0.28	-0.23	-0.16	-0.09	0.35	0.68	0.18	0.19	0.82	-0.03	0.82	-0.51
25	0.61	0.67	0.71	0.64	1.25	0.49	-0.25	-0.41	-0.53	-0.70	-0.54	-0.54	-0.18	-0.40	-0.41	-0.86	-0.39	-0.13	0.49	0.32	0.37	0.39	0.64	0.26	0.06	1.25	-0.86
26	0.04	0.10	0.10	0.21	0.07	-0.06	-0.09	-0.11	-0.16	-0.26	-0.25	-0.45	-0.63	-0.61	-0.79	-0.65	-0.42	-0.31	-0.05	0.91	0.56	0.23	0.35	0.39	-0.08	0.91	-0.79
27	0.39	0.48	0.04	0.04	0.02	-0.02	-0.13	-0.41	-0.53	-0.60	-1.02	-0.93	-0.98	-1.15	-1.09	-1.10	-0.85	-0.73	-0.19	0.14	0.04	-0.03	0.05	0.01	-0.36	0.48	-1.15
28	0.24	0.15	0.02	-0.05	0.03	-0.03	-0.17	-0.16	-0.18	-0.10	-0.09	-0.25	-0.23	-0.15	-0.26	-0.21	-0.35	-0.05	-0.05	-0.03	-0.08	-0.01	0.02	0.04	-0.08	0.24	-0.35
29	0.11	0.18	-0.03	-0.07	-0.10	-0.05	-0.25	-0.66	-0.97	-1.09	-0.74	-0.84	-1.01	-1.05	-1.01	-0.88	-0.97	-0.72	-0.27	0.04	0.18	0.08	0.06	0.22	-0.41	0.22	-1.09
30	0.15	0.31	0.16	0.50	0.73	0.69	0.00	-0.12	-0.57	-0.27	-0.32	-0.50	-0.49	-0.49	-0.07	-0.07	-0.17	-0.18	-0.05	0.06	0.13	0.12	0.59	0.14	0.01	0.73	-0.57
31	0.25	0.19	0.19	0.44	0.40	0.57	-0.19	-0.16	-0.26	-0.43	-0.67	-0.95	-0.94	-0.64	-0.70	-0.87	-0.74	-0.23	0.46	0.31	0.36	0.39	0.12	0.03	-0.13	0.57	-0.95
Avg	0.47	0.49	0.52	0.52	0.59	0.39	-0.09	-0.29	-0.51	-0.63	-0.74	-0.81	-0.79	-0.78	-0.76	-0.63	-0.53	-0.32	-0.08	0.19	0.32	0.26	0.39	0.48	-0.10	0.98	-0.98
Max	1.67	1.82	1.77	2.22	1.78	1.56	0.42	0.41	-0.03	-0.10	-0.09	-0.19	0.02	-0.15	0.08	0.64	-0.07	-0.05	0.49	1.89	2.43	1.35	2.82	2.78	0.36	2.82	-0.22
Min	-0.06	-0.09	-0.07	-0.08	-0.10	-0.11	-0.34	-0.66	-1.07	-1.36	-1.69	-1.88	-1.61	-1.66	-1.70	-1.35	-1.05	-0.73	-0.44	-0.20	-0.12	-0.10	-0.11	-0.09	-0.59	0.01	-1.88

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
June 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.05	0.09	0.19	0.22	0.21	0.19	-0.09	-0.29	-0.44	-0.53	-0.49	-0.65	-0.72	-0.70	-0.50	-0.15	0.13	0.13	0.33	0.25	0.20	-0.05	0.03	0.17	-0.10	0.33	-0.72
2	0.14	0.07	0.61	0.38	0.36	-0.05	-0.23	-0.20	-0.07	-0.36	-0.52	-0.67	-0.83	-1.03	-0.17	0.00	-0.42	-0.46	0.29	0.16	0.37	0.24	0.48	0.64	-0.05	0.64	-1.03
3	0.16	0.34	0.11	0.00	-0.11	-0.12	-0.23	-0.39	-0.57	-0.44	-0.60	-0.67	-0.64	-0.56	-0.44	-0.40	-0.50	-0.48	0.06	0.67	0.08	0.13	0.02	-0.07	-0.19	0.67	-0.67
4	-0.02	-0.05	0.16	0.07	0.46	0.02	-0.24	-0.36	-0.60	-0.50	-0.58	-0.59	-0.78	-0.52	-0.46	-0.54	-0.58	-0.48	-0.23	-0.08	-0.03	0.03	0.03	0.09	-0.24	0.46	-0.78
5	0.18	0.08	0.51	0.56	0.54	0.18	-0.25	-0.33	-0.36	-0.49	-0.57	-0.23	-0.34	-0.26	-0.56	-0.02	0.05	0.02	0.21	0.02	0.07	0.18	0.50	0.47	0.01	0.56	-0.57
6	0.69	0.49	0.28	0.13	0.13	-0.07	-0.19	-0.29	-0.51	-0.53	-0.58	-0.80	-0.59	-0.89	-0.87	-0.87	-0.65	-0.51	-0.05	0.31	0.17	0.23	0.32	0.26	-0.18	0.69	-0.89
7	0.12	0.11	0.11	0.25	0.42	0.60	-0.20	-0.41	-0.50	-0.74	-0.79	-0.80	-0.87	-1.01	-0.98	-0.39	-0.21	-0.35	0.00	0.64	0.53	0.31	0.37	0.80	-0.12	0.80	-1.01
8	0.72	0.75	1.21	0.99	0.93	0.24	-0.30	-0.45	-0.57	-0.78	-0.80	-0.89	-0.88	-0.88	-0.75	-0.62	-0.43	-0.12	0.28	1.08	1.65	0.67	0.82	0.70	0.11	1.65	-0.89
9	0.80	0.77	0.72	0.69	0.93	0.24	-0.25	-0.42	-0.47	-0.58	-0.70	-0.81	-0.81	-0.75	-0.48	-0.08	0.67	0.36	-0.02	0.18	0.47	0.50	0.41	0.39	0.07	0.93	-0.81
10	0.46	0.01	0.15	0.24	0.51	0.04	-0.39	-0.48	-0.73	-0.55	-0.75	-0.89	-1.01	-1.12	-0.94	-0.72	-0.28	-0.37	0.10	0.72	0.84	0.41	0.59	0.47	-0.15	0.84	-1.12
11	0.50	0.46	0.63	0.47	0.54	0.40	-0.28	-0.43	-0.63	-0.84	-0.95	-0.94	-0.81	-0.84	-0.91	-0.56	-0.58	-0.24	0.16	1.46	1.47	0.61	1.27	0.66	0.03	1.47	-0.95
12	0.77	1.01	1.02	1.16	1.31	0.49	-0.39	-0.32	-0.55	-0.71	-0.85	-1.00	-1.00	-1.03	-0.82	-0.65	-0.48	-0.24	0.09	0.61	2.43	1.39	0.64	1.11	0.17	2.43	-1.03
13	1.31	0.92	1.02	1.07	0.94	0.70	-0.31	-0.53	-0.87	-0.91	-0.97	-1.02	-1.00	-1.07	-0.83	-0.80	-0.73	-0.42	0.06	0.37	0.80	0.25	0.40	0.71	-0.04	1.31	-1.07
14	0.84	0.60	0.73	0.38	0.03	-0.15	-0.25	-0.40	-0.59	-0.59	-0.57	-0.48	-0.67	-0.88	-0.88	-0.81	-0.47	-0.30	-0.27	-0.18	-0.05	-0.11	0.26	0.50	-0.18	0.84	-0.88
15	0.62	0.89	0.42	0.50	0.85	0.56	-0.25	-0.22	-0.41	-0.44	-0.60	-0.82	-1.26	-1.48	-1.40	-1.09	-0.68	-0.60	-0.55	-0.18	0.05	-0.09	-0.15	-0.12	-0.27	0.89	-1.48
16	0.23	-0.10	-0.06	-0.07	-0.05	0.14	-0.31	-0.49	-0.62	-0.91	-1.03	-1.07	-0.82	-0.45	-0.46	-0.86	-0.73	-0.53	-0.25	0.19	0.82	0.92	0.95	0.86	-0.20	0.95	-1.07
17	0.92	1.14	1.07	0.70	0.87	0.31	-0.21	-0.32	-0.39	-0.59	-0.89	-0.98	-0.72	-1.09	-0.78	-0.77	-0.49	-0.05	-0.22	0.29	0.40	0.52	0.63	0.61	-0.00	1.14	-1.09
18	1.23	1.69	1.93	1.10	1.17	0.47	-0.15	-0.53	-0.91	-0.66	Au	Au	Au	Au	-0.97	-0.82	-0.02	-0.30	-0.07	0.39	0.31	0.93	0.88	0.97	0.33	1.93	-0.97
19	0.92	0.94	1.00	1.29	1.20	0.66	-0.33	-0.44	-0.47	-0.66	-0.54	-0.34	-0.62	-0.95	-0.72	-0.18	0.37	0.01	0.56	0.75	1.21	1.67	0.83	0.84	0.29	1.67	-0.95
20	1.12	0.59	0.78	0.95	1.02	0.47	-0.28	-0.53	-0.66	-0.73	-0.74	-1.01	-1.03	-0.73	-0.78	-0.78	-0.77	-0.58	-0.40	0.51	1.09	0.38	0.31	0.95	-0.04	1.12	-1.03
21	0.80	1.46	1.23	1.37	1.45	0.52	-0.33	-0.46	-0.43	-0.68	-0.80	-0.87	-0.48	-0.28	0.17	0.08	0.01	0.02	0.00	0.05	0.02	0.35	0.55	0.26	0.17	1.46	-0.87
22	0.06	0.32	0.27	0.98	0.01	0.00	-0.27	-0.26	-0.25	-0.48	-0.72	-0.85	-0.99	-0.86	-0.82	-0.79	-0.57	-0.30	0.34	0.38	0.51	0.13	0.83	0.28	-0.13	0.98	-0.99
23	0.77	0.78	0.72	0.87	1.60	0.40	-0.34	-0.51	-0.48	-0.72	-0.99	-0.92	-0.42	-0.71	-0.46	-0.41	-0.57	-0.24	0.18	0.77	0.78	0.79	0.78	0.34	0.08	1.60	-0.99
24	0.52	0.23	0.35	0.40	1.31	0.07	-0.37	-0.48	-0.53	-0.61	-0.55	-0.52	-0.79	-0.91	-0.58	-0.37	-0.73	-0.28	-0.02	0.07	0.15	0.22	0.20	0.30	-0.12	1.31	-0.91
25	0.36	0.31	0.30	0.28	0.15	-0.04	0.01	-0.17	-0.39	-0.56	-0.56	-0.56	-0.67	-0.80	-0.87	-0.59	-0.31	-0.56	-0.04	0.59	0.77	0.15	0.39	0.58	-0.09	0.77	-0.87
26	0.62	0.56	0.54	1.30	1.29	0.76	-0.35	-0.45	-0.58	-0.79	-0.88	-1.01	-0.97	-1.16	-1.02	-0.68	-0.66	-0.34	-0.03	0.73	1.08	1.65	1.30	1.21	0.09	1.65	-1.16
27	1.38	0.96	0.96	1.16	1.35	0.74	-0.36	-0.38	-0.45	-0.56	-0.79	-0.89	-0.90	-0.94	-0.87	-0.76	-0.56	-0.25	0.14	0.39	0.91	0.78	1.04	1.09	0.13	1.38	-0.94
28	1.19	1.24	0.94	1.54	1.11	1.00	-0.35	-0.51	-0.51	-0.74	-0.90	-1.12	-1.12	-0.81	-0.84	-0.89	-0.63	-0.38	0.37	1.10	1.20	0.51	0.32	0.36	0.09	1.54	-1.12
29	0.65	1.04	1.45	1.15	1.52	0.64	-0.04	-0.35	-0.49	-0.72	-0.79	-0.95	-1.03	-0.48	-0.18	0.53	0.91	0.21	-0.21	0.06	0.18	0.32	-0.05	0.06	0.14	1.52	-1.03
30	0.04	0.09	0.00	-0.09	0.02	0.07	-0.30	-0.45	-0.57	-0.73	-0.79	-0.75	-0.36	-0.86	-0.55	-0.54	-0.08	0.06	0.67	1.73	2.03	0.74	0.99	1.40	0.07	2.03	-0.86
Avg	0.60	0.59	0.65	0.67	0.74	0.32	-0.26	-0.40	-0.52	-0.64	-0.73	-0.80	-0.80	-0.83	-0.69	-0.52	-0.33	-0.25	0.05	0.47	0.68	0.49	0.53	0.56	-0.01	1.19	-0.96
Max	1.38	1.69	1.93	1.54	1.60	1.00	0.01	-0.17	-0.07	-0.36	-0.49	-0.23	-0.34	-0.26	0.17	0.53	0.91	0.36	0.67	1.73	2.43	1.67	1.30	1.40	0.33	2.43	-0.57
Min	-0.02	-0.10	-0.06	-0.09	-0.11	-0.15	-0.39	-0.53	-0.91	-0.91	-1.03	-1.12	-1.26	-1.48	-1.40	-1.09	-0.77	-0.60	-0.55	-0.18	-0.05	-0.11	-0.15	-0.12	-0.27	0.33	-1.48

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
April 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	52	165	424	591	541	521	460	590	472	401	339	206	37	0	0	0	0	0	200	591	0
2	0	0	0	0	0	0	37	173	358	462	587	526	565	752	626	180	242	132	41	0	0	0	0	0	195	752	0
3	0	0	0	0	0	0	37	157	311	458	758	772	832	790	590	381	195	99	19	0	0	0	0	0	225	832	0
4	0	0	0	0	0	0	34	145	259	229	268	532	506	581	570	359	103	34	11	0	0	0	0	0	151	581	0
5	0	0	0	0	0	0	26	95	210	182	308	163	111	101	76	115	95	44	7	0	0	0	0	0	64	308	0
6	0	0	0	0	0	0	25	71	146	406	441	509	566	483	171	131	87	24	6	0	0	0	0	0	128	566	0
7	0	0	0	0	0	1	77	259	423	618	756	827	856	822	721	552	337	134	29	0	0	0	0	0	267	856	0
8	0	0	0	0	0	1	55	257	468	490	137	192	216	490	288	237	98	54	27	0	0	0	0	0	125	490	0
9	0	0	0	0	0	1	64	252	462	627	683	852	889	819	769	583	366	248	63	1	0	0	0	0	278	889	0
10	0	0	0	0	0	3	87	266	455	590	678	486	730	678	727	573	245	104	43	0	0	0	0	0	236	730	0
11	0	0	0	0	0	2	41	73	153	302	437	312	374	350	351	310	179	179	29	0	0	0	0	0	129	437	0
12	0	0	0	0	0	0	32	237	304	610	473	319	482	718	554	606	437	139	31	0	0	0	0	0	206	718	0
13	0	0	0	0	0	12	164	227	271	352	466	631	813	777	524	430	325	215	35	1	0	0	0	0	218	813	0
14	0	0	0	0	0	3	128	180	408	372	429	735	718	323	114	113	22	37	13	0	0	0	0	0	150	735	0
15	0	0	0	0	0	3	36	68	199	387	606	467	421	318	385	422	341	192	69	3	0	0	0	0	163	606	0
16	0	0	0	0	0	5	114	306	502	671	798	876	899	862	771	633	464	279	93	2	0	0	0	0	303	899	0
17	0	0	0	0	0	5	128	314	501	663	789	868	890	856	768	632	462	280	95	2	0	0	0	0	302	890	0
18	0	0	0	0	0	8	95	261	461	627	321	130	453	407	619	534	373	295	80	3	0	0	0	0	194	627	0
19	0	0	0	0	0	6	131	306	461	580	649	497	327	603	473	468	179	72	42	3	0	0	0	0	200	649	0
20	0	0	0	0	0	9	154	321	512	672	800	881	900	879	752	433	346	298	97	4	0	0	0	0	294	900	0
21	0	0	0	0	0	12	141	322	506	668	786	888	473	298	363	288	422	200	95	3	0	0	0	0	228	888	0
22	0	0	0	0	0	10	128	323	510	671	800	885	883	497	361	336	89	21	26	2	0	0	0	0	231	885	0
23	0	0	0	0	0	10	111	321	523	681	822	890	916	876	783	647	303	139	58	3	0	0	0	0	295	916	0
24	0	0	0	0	0	7	36	142	229	552	279	260	353	329	235	141	83	37	9	0	0	0	0	0	112	552	0
25	0	0	0	0	0	3	31	96	316	614	813	635	655	608	842	457	366	250	80	6	0	0	0	0	241	842	0
26	0	0	0	0	0	5	44	89	150	187	319	296	185	279	258	186	175	103	44	3	0	0	0	0	97	319	0
27	0	0	0	0	0	8	88	265	298	492	870	708	751	896	795	657	491	311	128	8	0	0	0	0	282	896	0
28	0	0	0	0	0	29	197	362	540	707	831	910	929	890	806	668	500	318	132	9	0	0	0	0	326	929	0
29	0	0	0	0	0	30	173	361	553	705	803	906	920	833	332	117	64	66	62	3	0	0	0	0	247	920	0
30	0	0	0	0	0	12	49	292	553	704	823	900	913	872	785	647	476	298	121	8	0	0	0	0	311	913	0
Avg	0	0	0	0	0	6	84	224	382	529	602	612	633	619	529	408	273	160	54	2	0	0	0	0	213	731	0
Max	0	0	0	0	0	30	197	362	553	707	870	910	929	896	842	668	500	318	132	9	0	0	0	0	326	929	0
Min	0	0	0	0	0	0	25	68	146	182	137	130	111	101	76	113	22	21	6	0	0	0	0	0	64	308	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
May 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	11	103	229	421	657	758	443	335	512	747	491	476	287	127	13	0	0	0	0	234	758	0
2	0	0	0	0	0	15	81	313	531	676	646	495	447	602	398	219	238	226	93	15	0	0	0	0	208	676	0
3	0	0	0	0	0	41	166	241	560	717	849	943	902	857	778	627	437	260	115	21	0	0	0	0	313	943	0
4	0	0	0	0	0	37	174	339	419	578	795	785	649	712	756	450	491	300	127	17	0	0	0	0	276	795	0
5	0	0	0	0	0	50	200	299	444	540	528	578	760	345	88	34	78	77	34	4	0	0	0	0	169	760	0
6	0	0	0	0	0	18	72	37	97	289	653	697	866	620	534	503	353	214	78	13	0	0	0	0	210	866	0
7	0	0	0	0	0	30	86	173	254	345	377	407	308	321	397	482	336	47	16	2	0	0	0	0	149	482	0
8	0	0	0	0	0	25	58	100	65	141	153	280	294	232	191	152	87	57	38	9	0	0	0	0	78	294	0
9	0	0	0	0	1	57	231	397	593	664	737	876	724	461	326	326	252	202	106	7	0	0	0	0	248	876	0
10	0	0	0	0	1	61	243	414	597	757	882	974	987	947	859	690	366	376	71	15	0	0	0	0	343	987	0
11	0	0	0	0	1	65	217	404	583	703	807	518	491	606	431	337	198	110	65	10	0	0	0	0	231	807	0
12	0	0	0	0	0	15	76	215	292	324	260	410	505	665	562	140	115	82	41	5	0	0	0	0	154	665	0
13	0	0	0	0	0	22	53	175	586	696	818	750	766	552	512	548	333	204	117	38	0	0	0	0	257	818	0
14	0	0	0	0	0	8	44	127	456	518	878	990	838	869	588	253	104	117	75	11	0	0	0	0	245	990	0
15	0	0	0	0	0	11	36	88	231	294	227	138	173	255	332	296	206	79	35	7	0	0	0	0	100	332	0
16	0	0	0	0	0	5	28	63	98	122	162	201	231	160	181	119	134	71	23	4	0	0	0	0	67	231	0
17	0	0	0	0	2	39	64	150	158	97	56	62	168	264	149	271	223	180	73	15	0	0	0	0	82	271	0
18	0	0	0	0	1	36	170	236	268	447	670	838	718	806	830	601	387	118	38	6	0	0	0	0	257	838	0
19	0	0	0	0	1	28	117	305	395	422	578	535	468	520	684	603	487	155	121	21	0	0	0	0	227	684	0
20	0	0	0	0	3	79	247	364	621	769	890	962	987	949	860	727	562	378	203	43	0	0	0	0	360	987	0
21	0	0	0	0	3	81	250	430	605	752	841	949	969	927	866	697	250	153	175	35	1	0	0	0	333	969	0
22	0	0	0	0	3	85	246	440	556	556	521	566	115	393	509	575	558	317	201	24	0	0	0	0	236	575	0
23	0	0	0	0	0	10	18	73	92	155	137	160	179	200	121	77	73	41	24	7	0	0	0	0	57	200	0
24	0	0	0	0	4	35	44	80	107	171	500	517	444	470	502	251	188	84	77	27	0	0	0	0	146	517	0
25	0	0	0	0	4	91	277	430	679	565	485	476	194	584	528	751	395	213	55	20	0	0	0	0	239	751	0
26	0	0	0	0	0	11	29	48	116	317	217	382	818	574	798	492	275	211	121	20	0	0	0	0	185	818	0
27	0	0	0	0	3	21	121	286	304	400	693	659	668	695	766	634	446	385	101	8	0	0	0	0	258	766	0
28	0	0	0	0	3	34	59	78	90	26	57	189	293	174	175	142	213	31	42	13	0	0	0	0	67	293	0
29	0	0	0	0	1	40	254	459	604	802	537	847	962	951	880	609	525	372	157	30	0	0	0	0	335	962	0
30	0	0	0	0	3	66	246	410	546	243	326	404	354	342	148	142	164	182	64	40	2	0	0	0	153	546	0
31	0	0	0	0	4	98	240	183	316	556	728	873	847	553	625	692	560	277	68	8	1	0	0	0	276	873	0
Avg	0	0	0	0	1	40	137	245	377	461	541	578	563	552	520	417	307	187	86	16	0	0	0	0	210	688	0
Max	0	0	0	0	4	98	277	459	679	802	890	990	987	951	880	751	562	385	203	43	2	0	0	0	360	990	0
Min	0	0	0	0	0	5	18	37	65	26	56	62	115	160	88	34	73	31	16	2	0	0	0	0	57	200	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
June 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	7	37	131	321	592	606	628	716	729	858	557	118	6	2	14	23	0	0	0	0	223	858	0
2	0	0	0	0	3	64	213	370	271	460	394	559	832	822	175	78	529	330	73	46	1	0	0	0	218	832	0
3	0	0	0	0	6	41	182	440	545	419	584	653	551	403	338	324	462	395	172	18	0	0	0	0	231	653	0
4	0	0	0	0	6	89	259	437	665	679	577	732	983	477	538	467	437	335	199	27	2	0	0	0	288	983	0
5	0	0	0	0	7	100	204	375	550	607	484	169	324	221	608	144	70	33	5	9	3	0	0	0	163	608	0
6	0	0	0	0	6	91	269	444	619	786	688	935	760	888	878	788	584	420	84	19	1	0	0	0	344	935	0
7	0	0	0	0	7	95	270	449	608	736	833	938	986	961	901	416	351	376	203	52	4	0	0	0	341	986	0
8	0	0	0	0	7	116	268	444	614	763	871	941	966	931	849	730	573	398	231	74	2	0	0	0	366	966	0
9	0	0	0	0	7	109	272	449	619	766	874	944	964	925	752	454	68	13	36	10	0	0	0	0	303	964	0
10	0	0	0	0	3	80	258	447	553	441	499	680	797	924	851	676	349	351	169	92	3	0	0	0	299	924	0
11	0	0	0	0	6	110	266	435	602	752	865	933	716	851	870	632	586	377	234	77	2	0	0	0	346	933	0
12	0	0	0	0	9	111	272	451	618	768	876	971	892	979	858	720	589	424	252	85	3	0	0	0	370	979	0
13	0	0	0	0	9	119	283	465	638	787	899	967	984	940	740	649	581	416	205	109	4	0	0	0	366	984	0
14	0	0	0	0	5	61	124	183	341	378	340	346	625	801	768	572	201	115	76	56	2	0	0	0	208	801	0
15	0	0	0	0	5	44	174	121	181	338	341	412	843	969	665	460	372	303	238	47	2	0	0	0	230	969	0
16	0	0	0	0	5	73	268	430	586	752	854	928	786	417	432	770	625	348	216	80	3	0	0	0	316	928	0
17	0	0	0	0	5	78	168	297	432	724	839	872	706	966	739	698	512	213	219	79	4	0	0	0	315	966	0
18	0	0	0	0	8	67	190	352	553	379	Au	Au	Au	Au	853	614	159	321	153	38	1	0	0	0	184	853	0
19	0	0	0	0	5	84	249	387	506	676	592	395	670	923	631	307	200	272	151	71	5	0	0	0	255	923	0
20	0	0	0	0	8	118	283	466	611	760	626	828	771	565	606	587	510	418	247	84	6	0	0	0	312	828	0
21	0	0	0	0	8	93	281	372	528	625	677	742	434	332	251	158	106	42	35	25	11	0	0	0	197	742	0
22	0	0	0	0	6	40	107	94	165	449	763	880	905	766	635	626	460	323	152	65	3	0	0	0	268	905	0
23	0	0	0	0	11	112	192	445	613	750	887	822	441	682	432	461	479	295	175	50	1	0	0	0	285	887	0
24	0	0	0	0	11	109	253	424	486	563	434	538	771	811	557	336	608	302	189	72	2	0	0	0	269	811	0
25	0	0	0	0	3	12	42	125	342	620	504	558	559	703	715	537	404	433	242	85	5	0	0	0	245	715	0
26	0	0	0	0	7	104	263	437	607	756	867	943	964	930	853	735	586	415	243	87	4	0	0	0	367	964	0
27	0	0	0	0	10	101	270	401	604	747	861	935	959	929	856	752	568	412	234	75	4	0	0	0	363	959	0
28	0	0	0	0	3	65	248	418	585	740	856	936	989	768	825	817	549	432	231	78	3	0	0	0	356	989	0
29	0	0	0	0	8	78	225	370	586	730	777	910	945	451	355	190	55	19	241	39	1	0	0	0	249	945	0
30	0	0	0	0	2	54	236	425	591	737	885	817	508	922	607	553	358	299	168	45	4	0	0	0	300	922	0
Avg	0	0	0	0	6	82	224	376	527	643	696	759	771	763	657	512	398	294	170	57	3	0	0	0	286	890	0
Max	0	0	0	0	11	119	283	466	665	787	899	971	989	979	901	817	625	433	252	109	11	0	0	0	370	989	0
Min	0	0	0	0	2	12	42	94	165	338	340	169	324	221	175	78	6	2	5	9	0	0	0	0	163	608	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
April 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.20	24.21	24.21	24.22	24.22	24.23	24.25	24.26	24.26	24.26	24.26	24.25	24.24	24.23	24.23	24.24	24.24	24.25	24.26	24.27	24.29	24.30	24.31	24.31	24.25	24.31	24.20
2	24.32	24.33	24.34	24.34	24.36	24.38	24.41	24.42	24.43	24.45	24.46	24.46	24.47	24.46	24.46	24.46	24.46	24.47	24.48	24.49	24.51	24.51	24.52	24.52	24.44	24.52	24.32
3	24.52	24.52	24.53	24.53	24.53	24.54	24.55	24.56	24.56	24.55	24.54	24.53	24.51	24.50	24.48	24.46	24.44	24.43	24.42	24.42	24.42	24.41	24.40	24.39	24.49	24.56	24.39
4	24.39	24.39	24.38	24.36	24.35	24.34	24.34	24.34	24.33	24.33	24.32	24.31	24.29	24.27	24.25	24.25	24.24	24.26	24.26	24.25	24.26	24.26	24.26	24.26	24.30	24.39	24.24
5	24.26	24.25	24.23	24.23	24.22	24.21	24.20	24.18	24.16	24.17	24.15	24.14	24.14	24.14	24.14	24.15	24.16	24.17	24.17	24.18	24.18	24.18	24.17	24.17	24.18	24.26	24.14
6	24.16	24.15	24.15	24.13	24.13	24.13	24.14	24.15	24.15	24.16	24.16	24.16	24.15	24.15	24.14	24.14	24.15	24.16	24.17	24.19	24.22	24.24	24.25	24.26	24.17	24.26	24.13
7	24.27	24.28	24.28	24.28	24.29	24.30	24.30	24.30	24.31	24.32	24.32	24.31	24.30	24.30	24.28	24.26	24.25	24.25	24.24	24.24	24.24	24.23	24.22	24.21	24.27	24.32	24.21
8	24.21	24.20	24.18	24.19	24.18	24.19	24.20	24.21	24.21	24.21	24.22	24.25	24.26	24.28	24.28	24.30	24.31	24.33	24.34	24.36	24.37	24.37	24.38	24.39	24.27	24.39	24.18
9	24.41	24.41	24.42	24.42	24.43	24.44	24.44	24.46	24.47	24.46	24.46	24.45	24.44	24.43	24.41	24.40	24.39	24.40	24.39	24.39	24.40	24.40	24.39	24.39	24.42	24.47	24.39
10	24.39	24.38	24.38	24.38	24.38	24.38	24.38	24.39	24.39	24.38	24.37	24.36	24.34	24.33	24.31	24.30	24.29	24.27	24.26	24.26	24.26	24.25	24.23	24.21	24.33	24.39	24.21
11	24.20	24.18	24.16	24.14	24.13	24.13	24.12	24.12	24.11	24.11	24.09	24.08	24.07	24.06	24.06	24.05	24.07	24.07	24.08	24.10	24.12	24.14	24.15	24.16	24.11	24.20	24.05
12	24.18	24.19	24.20	24.20	24.22	24.25	24.27	24.29	24.31	24.31	24.33	24.33	24.32	24.31	24.31	24.32	24.32	24.33	24.35	24.37	24.40	24.41	24.43	24.43	24.31	24.43	24.18
13	24.44	24.44	24.44	24.45	24.46	24.45	24.46	24.46	24.46	24.45	24.44	24.43	24.41	24.38	24.36	24.34	24.32	24.30	24.29	24.28	24.28	24.27	24.25	24.24	24.38	24.46	24.24
14	24.21	24.19	24.16	24.14	24.12	24.11	24.11	24.11	24.11	24.10	24.10	24.09	24.09	24.08	24.07	24.10	24.16	24.19	24.20	24.23	24.26	24.27	24.26	24.27	24.16	24.27	24.07
15	24.28	24.29	24.29	24.30	24.31	24.32	24.35	24.39	24.42	24.44	24.47	24.50	24.51	24.51	24.51	24.52	24.53	24.54	24.55	24.55	24.56	24.57	24.58	24.58	24.45	24.58	24.28
16	24.58	24.59	24.60	24.60	24.61	24.62	24.62	24.62	24.63	24.63	24.62	24.61	24.59	24.59	24.57	24.56	24.55	24.55	24.54	24.54	24.55	24.56	24.56	24.57	24.59	24.63	24.54
17	24.57	24.58	24.57	24.57	24.57	24.57	24.57	24.58	24.58	24.57	24.56	24.54	24.52	24.50	24.47	24.45	24.44	24.43	24.43	24.42	24.43	24.43	24.43	24.43	24.51	24.58	24.42
18	24.43	24.43	24.43	24.43	24.44	24.44	24.45	24.47	24.48	24.49	24.51	24.53	24.55	24.56	24.55	24.55	24.55	24.56	24.56	24.56	24.56	24.57	24.57	24.58	24.51	24.58	24.43
19	24.58	24.58	24.58	24.59	24.58	24.58	24.58	24.58	24.57	24.55	24.54	24.51	24.50	24.49	24.47	24.46	24.45	24.45	24.44	24.43	24.43	24.43	24.42	24.42	24.51	24.59	24.42
20	24.42	24.41	24.40	24.40	24.39	24.39	24.38	24.38	24.37	24.36	24.35	24.34	24.32	24.31	24.30	24.30	24.29	24.29	24.28	24.28	24.28	24.29	24.29	24.29	24.34	24.42	24.28
21	24.28	24.28	24.28	24.28	24.28	24.29	24.30	24.32	24.31	24.31	24.31	24.30	24.30	24.30	24.29	24.28	24.28	24.27	24.26	24.26	24.27	24.27	24.27	24.27	24.29	24.32	24.26
22	24.27	24.27	24.26	24.25	24.25	24.25	24.26	24.27	24.27	24.26	24.25	24.24	24.22	24.22	24.21	24.19	24.20	24.21	24.21	24.21	24.24	24.23	24.24	24.23	24.24	24.27	24.19
23	24.24	24.22	24.22	24.23	24.23	24.22	24.23	24.24	24.23	24.22	24.21	24.20	24.18	24.16	24.14	24.13	24.12	24.11	24.11	24.11	24.11	24.10	24.10	24.09	24.17	24.24	24.09
24	24.09	24.08	24.07	24.07	24.07	24.07	24.07	24.08	24.09	24.08	24.08	24.08	24.07	24.06	24.06	24.06	24.08	24.08	24.08	24.10	24.12	24.13	24.12	24.12	24.08	24.13	24.06
25	24.12	24.12	24.13	24.13	24.14	24.15	24.16	24.17	24.18	24.19	24.20	24.20	24.20	24.21	24.21	24.22	24.22	24.23	24.23	24.24	24.25	24.25	24.26	24.26	24.19	24.26	24.12
26	24.27	24.28	24.28	24.29	24.31	24.33	24.35	24.36	24.38	24.40	24.42	24.43	24.43	24.45	24.46	24.47	24.49	24.50	24.51	24.52	24.55	24.56	24.56	24.56	24.42	24.56	24.27
27	24.56	24.56	24.57	24.58	24.59	24.60	24.62	24.64	24.65	24.65	24.65	24.64	24.63	24.62	24.62	24.61	24.61	24.61	24.61	24.61	24.61	24.62	24.62	24.61	24.61	24.65	24.56
28	24.61	24.60	24.59	24.59	24.58	24.58	24.58	24.58	24.58	24.57	24.55	24.53	24.51	24.50	24.48	24.46	24.45	24.44	24.43	24.42	24.43	24.43	24.42	24.41	24.51	24.61	24.41
29	24.39	24.39	24.37	24.37	24.36	24.36	24.38	24.38	24.37	24.37	24.36	24.35	24.34	24.32	24.31	24.31	24.33	24.34	24.34	24.36	24.39	24.41	24.39	24.38	24.36	24.41	24.31
30	24.40	24.41	24.42	24.42	24.43	24.45	24.47	24.49	24.50	24.50	24.50	24.49	24.48	24.47	24.46	24.45	24.45	24.44	24.43	24.44	24.45	24.46	24.45	24.44	24.45	24.50	24.40
Avg	24.34	24.34	24.34	24.34	24.34	24.34	24.35	24.36	24.36	24.36	24.36	24.35	24.35	24.34	24.33	24.33	24.33	24.33	24.33	24.34	24.35	24.35	24.35	24.35	24.34	24.42	24.27
Max	24.61	24.60	24.60	24.60	24.61	24.62	24.62	24.64	24.65	24.65	24.65	24.64	24.63	24.62	24.62	24.61	24.61	24.61	24.61	24.61	24.61	24.62	24.62	24.61	24.61	24.65	24.56
Min	24.09	24.08	24.07	24.07	24.07	24.07	24.07	24.08	24.09	24.08	24.08	24.08	24.07	24.06	24.06	24.05	24.07	24.07	24.08	24.10	24.11	24.10	24.10	24.09	24.08	24.13	24.05

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
May 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.44	24.44	24.44	24.44	24.44	24.44	24.45	24.46	24.45	24.45	24.43	24.41	24.39	24.37	24.35	24.32	24.31	24.30	24.29	24.29	24.29	24.30	24.29	24.29	24.38	24.46	24.29
2	24.28	24.27	24.26	24.26	24.25	24.25	24.25	24.26	24.26	24.25	24.26	24.25	24.24	24.23	24.23	24.24	24.24	24.24	24.24	24.25	24.28	24.30	24.31	24.33	24.26	24.33	24.23
3	24.34	24.34	24.34	24.35	24.36	24.37	24.39	24.39	24.40	24.40	24.40	24.39	24.38	24.38	24.37	24.36	24.35	24.35	24.36	24.37	24.38	24.39	24.40	24.40	24.37	24.40	24.34
4	24.40	24.39	24.39	24.38	24.37	24.37	24.38	24.39	24.38	24.38	24.37	24.36	24.35	24.33	24.32	24.31	24.30	24.29	24.29	24.29	24.30	24.31	24.30	24.29	24.34	24.40	24.29
5	24.29	24.28	24.27	24.26	24.26	24.26	24.27	24.27	24.26	24.25	24.25	24.24	24.21	24.20	24.20	24.23	24.24	24.23	24.23	24.24	24.25	24.25	24.25	24.25	24.25	24.29	24.20
6	24.25	24.24	24.24	24.26	24.26	24.27	24.28	24.30	24.30	24.30	24.31	24.31	24.30	24.30	24.29	24.28	24.28	24.28	24.29	24.31	24.32	24.33	24.34	24.35	24.29	24.35	24.24
7	24.36	24.36	24.36	24.36	24.37	24.39	24.41	24.42	24.43	24.44	24.45	24.44	24.43	24.42	24.41	24.40	24.40	24.39	24.40	24.41	24.42	24.43	24.42	24.42	24.41	24.45	24.36
8	24.41	24.40	24.40	24.40	24.40	24.40	24.40	24.41	24.42	24.42	24.43	24.43	24.43	24.43	24.43	24.43	24.44	24.45	24.46	24.47	24.49	24.50	24.51	24.50	24.44	24.51	24.40
9	24.50	24.50	24.50	24.50	24.52	24.52	24.53	24.54	24.53	24.53	24.52	24.52	24.52	24.51	24.51	24.52	24.53	24.53	24.53	24.54	24.56	24.56	24.55	24.54	24.53	24.56	24.50
10	24.55	24.54	24.53	24.53	24.53	24.53	24.53	24.54	24.53	24.52	24.51	24.50	24.49	24.49	24.48	24.47	24.47	24.48	24.48	24.48	24.49	24.49	24.48	24.47	24.50	24.55	24.47
11	24.47	24.46	24.46	24.46	24.45	24.44	24.45	24.46	24.44	24.43	24.42	24.41	24.40	24.38	24.37	24.36	24.35	24.35	24.35	24.36	24.37	24.37	24.37	24.36	24.41	24.47	24.35
12	24.35	24.33	24.33	24.33	24.34	24.34	24.35	24.36	24.36	24.37	24.37	24.37	24.36	24.35	24.35	24.34	24.34	24.34	24.34	24.34	24.34	24.35	24.35	24.33	24.35	24.37	24.33
13	24.31	24.31	24.31	24.30	24.29	24.29	24.30	24.30	24.30	24.30	24.30	24.30	24.30	24.29	24.28	24.28	24.28	24.29	24.29	24.29	24.32	24.33	24.33	24.34	24.30	24.34	24.28
14	24.34	24.33	24.33	24.33	24.34	24.35	24.35	24.34	24.35	24.34	24.33	24.33	24.31	24.29	24.28	24.29	24.29	24.27	24.28	24.28	24.28	24.27	24.26	24.26	24.31	24.35	24.26
15	24.25	24.23	24.22	24.21	24.20	24.20	24.20	24.20	24.20	24.18	24.19	24.19	24.18	24.18	24.16	24.16	24.15	24.16	24.16	24.17	24.16	24.16	24.14	24.13	24.18	24.25	24.13
16	24.11	24.09	24.09	24.08	24.08	24.09	24.09	24.09	24.09	24.10	24.11	24.11	24.13	24.15	24.16	24.18	24.20	24.22	24.25	24.28	24.30	24.32	24.33	24.35	24.17	24.35	24.08
17	24.36	24.37	24.39	24.41	24.42	24.44	24.46	24.47	24.49	24.51	24.53	24.56	24.56	24.57	24.58	24.59	24.60	24.60	24.60	24.61	24.63	24.63	24.63	24.63	24.53	24.63	24.36
18	24.63	24.63	24.62	24.62	24.63	24.62	24.63	24.64	24.64	24.64	24.64	24.64	24.63	24.62	24.62	24.61	24.61	24.60	24.60	24.60	24.60	24.60	24.59	24.59	24.62	24.64	24.59
19	24.58	24.57	24.55	24.53	24.54	24.55	24.55	24.56	24.56	24.56	24.56	24.56	24.56	24.55	24.55	24.54	24.55	24.54	24.53	24.54	24.55	24.55	24.55	24.54	24.55	24.58	24.53
20	24.54	24.54	24.54	24.54	24.54	24.55	24.55	24.55	24.55	24.54	24.54	24.54	24.54	24.53	24.52	24.51	24.50	24.49	24.49	24.48	24.49	24.49	24.50	24.49	24.52	24.55	24.48
21	24.49	24.48	24.47	24.46	24.45	24.46	24.47	24.46	24.45	24.45	24.44	24.43	24.42	24.41	24.40	24.39	24.39	24.39	24.39	24.40	24.40	24.40	24.39	24.39	24.43	24.49	24.39
22	24.39	24.38	24.38	24.37	24.37	24.38	24.38	24.38	24.37	24.36	24.36	24.35	24.35	24.38	24.37	24.37	24.37	24.37	24.37	24.38	24.38	24.38	24.39	24.39	24.37	24.39	24.35
23	24.40	24.40	24.40	24.40	24.40	24.41	24.42	24.42	24.43	24.44	24.45	24.46	24.47	24.47	24.47	24.47	24.48	24.48	24.48	24.48	24.48	24.49	24.49	24.49	24.45	24.49	24.40
24	24.48	24.47	24.47	24.46	24.46	24.46	24.47	24.46	24.46	24.45	24.45	24.44	24.43	24.43	24.42	24.41	24.41	24.40	24.40	24.40	24.40	24.40	24.39	24.38	24.43	24.48	24.38
25	24.37	24.36	24.35	24.35	24.35	24.36	24.36	24.36	24.35	24.35	24.34	24.34	24.33	24.33	24.32	24.31	24.30	24.30	24.30	24.31	24.32	24.33	24.34	24.35	24.34	24.37	24.30
26	24.35	24.36	24.35	24.35	24.36	24.37	24.37	24.38	24.39	24.39	24.40	24.40	24.39	24.38	24.38	24.37	24.38	24.38	24.37	24.38	24.40	24.41	24.40	24.40	24.38	24.41	24.35
27	24.41	24.41	24.42	24.42	24.42	24.43	24.43	24.43	24.44	24.43	24.43	24.42	24.41	24.41	24.40	24.39	24.39	24.39	24.39	24.41	24.42	24.43	24.43	24.43	24.42	24.44	24.39
28	24.43	24.43	24.43	24.43	24.43	24.45	24.46	24.46	24.48	24.48	24.50	24.51	24.51	24.53	24.54	24.56	24.56	24.57	24.59	24.60	24.62	24.63	24.63	24.63	24.52	24.63	24.43
29	24.63	24.63	24.63	24.63	24.63	24.62	24.62	24.63	24.63	24.63	24.62	24.61	24.60	24.59	24.57	24.56	24.55	24.53	24.53	24.53	24.53	24.56	24.54	24.54	24.59	24.63	24.53
30	24.53	24.52	24.51	24.49	24.48	24.48	24.48	24.47	24.46	24.45	24.46	24.45	24.45	24.45	24.45	24.46	24.45	24.43	24.43	24.43	24.44	24.45	24.45	24.45	24.46	24.53	24.43
31	24.45	24.44	24.44	24.44	24.43	24.44	24.45	24.45	24.45	24.44	24.44	24.43	24.42	24.41	24.40	24.39	24.37	24.36	24.37	24.39	24.40	24.42	24.41	24.40	24.42	24.45	24.36
Avg	24.41	24.40	24.40	24.40	24.40	24.40	24.41	24.41	24.41	24.41	24.41	24.41	24.40	24.40	24.39	24.39	24.39	24.39	24.39	24.40	24.41	24.41	24.41	24.41	24.40	24.46	24.36
Max	24.63	24.63	24.63	24.63	24.63	24.62	24.63	24.64	24.64	24.64	24.64	24.64	24.63	24.62	24.62	24.61	24.61	24.60	24.60	24.61	24.63	24.63	24.63	24.63	24.62	24.64	24.59
Min	24.11	24.09	24.09	24.08	24.08	24.09	24.09	24.09	24.09	24.10	24.11	24.11	24.13	24.15	24.16	24.16	24.15	24.16	24.16	24.17	24.16	24.16	24.14	24.13	24.17	24.25	24.08

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
June 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.41	24.40	24.39	24.39	24.38	24.39	24.38	24.38	24.37	24.37	24.36	24.35	24.35	24.32	24.30	24.28	24.31	24.36	24.32	24.34	24.35	24.35	24.34	24.34	24.36	24.41	24.28
2	24.35	24.34	24.33	24.33	24.33	24.34	24.34	24.36	24.37	24.36	24.35	24.36	24.35	24.34	24.34	24.38	24.36	24.35	24.37	24.39	24.40	24.41	24.41	24.41	24.36	24.41	24.33
3	24.41	24.41	24.41	24.41	24.41	24.42	24.42	24.42	24.41	24.41	24.40	24.39	24.38	24.38	24.37	24.37	24.35	24.34	24.35	24.35	24.39	24.40	24.40	24.39	24.39	24.42	24.34
4	24.39	24.38	24.39	24.39	24.40	24.41	24.43	24.43	24.43	24.44	24.44	24.44	24.44	24.44	24.43	24.43	24.43	24.43	24.44	24.46	24.48	24.48	24.49	24.50	24.43	24.50	24.38
5	24.50	24.50	24.50	24.50	24.49	24.49	24.51	24.50	24.49	24.48	24.48	24.47	24.47	24.46	24.45	24.43	24.44	24.45	24.48	24.49	24.48	24.46	24.45	24.45	24.48	24.51	24.43
6	24.46	24.47	24.46	24.46	24.46	24.47	24.48	24.48	24.47	24.46	24.45	24.45	24.44	24.43	24.42	24.41	24.40	24.40	24.41	24.43	24.44	24.45	24.46	24.46	24.45	24.48	24.40
7	24.46	24.47	24.47	24.48	24.49	24.50	24.51	24.51	24.50	24.50	24.50	24.50	24.49	24.49	24.49	24.48	24.48	24.47	24.47	24.47	24.48	24.50	24.50	24.50	24.49	24.51	24.46
8	24.50	24.50	24.51	24.51	24.52	24.53	24.54	24.53	24.52	24.51	24.50	24.49	24.48	24.47	24.46	24.45	24.43	24.42	24.41	24.42	24.43	24.45	24.45	24.45	24.48	24.54	24.41
9	24.45	24.45	24.45	24.45	24.46	24.47	24.47	24.47	24.46	24.45	24.44	24.43	24.42	24.40	24.37	24.35	24.35	24.38	24.37	24.38	24.38	24.39	24.39	24.38	24.42	24.47	24.35
10	24.36	24.35	24.34	24.34	24.34	24.35	24.35	24.36	24.36	24.35	24.35	24.35	24.34	24.32	24.30	24.30	24.31	24.32	24.33	24.34	24.36	24.38	24.38	24.38	24.34	24.38	24.30
11	24.38	24.38	24.38	24.39	24.40	24.41	24.42	24.42	24.42	24.41	24.40	24.39	24.39	24.37	24.37	24.36	24.35	24.34	24.33	24.33	24.34	24.34	24.35	24.35	24.38	24.42	24.33
12	24.34	24.34	24.35	24.36	24.36	24.36	24.36	24.35	24.34	24.33	24.31	24.30	24.30	24.29	24.28	24.28	24.28	24.28	24.28	24.29	24.30	24.31	24.32	24.33	24.32	24.36	24.28
13	24.33	24.34	24.35	24.35	24.36	24.38	24.39	24.38	24.37	24.36	24.36	24.35	24.34	24.32	24.32	24.32	24.32	24.32	24.34	24.35	24.36	24.38	24.38	24.39	24.35	24.39	24.32
14	24.39	24.39	24.40	24.42	24.43	24.46	24.47	24.48	24.49	24.50	24.50	24.51	24.51	24.50	24.50	24.50	24.51	24.52	24.54	24.55	24.56	24.58	24.59	24.59	24.50	24.59	24.39
15	24.59	24.58	24.58	24.58	24.58	24.58	24.59	24.59	24.60	24.59	24.58	24.58	24.56	24.55	24.54	24.53	24.53	24.52	24.52	24.51	24.52	24.53	24.53	24.50	24.56	24.60	24.50
16	24.50	24.49	24.48	24.48	24.48	24.48	24.48	24.48	24.48	24.48	24.48	24.48	24.47	24.46	24.45	24.45	24.45	24.45	24.46	24.47	24.48	24.50	24.50	24.50	24.48	24.50	24.45
17	24.49	24.48	24.48	24.48	24.47	24.47	24.48	24.47	24.46	24.45	24.45	24.45	24.44	24.43	24.43	24.44	24.44	24.45	24.46	24.47	24.48	24.50	24.51	24.52	24.47	24.52	24.43
18	24.51	24.51	24.50	24.50	24.50	24.50	24.50	24.50	24.49	24.48	Au	Au	Au	Au	24.41	24.40	24.40	24.38	24.37	24.39	24.40	24.40	24.39	24.39	24.45	24.51	24.37
19	24.39	24.38	24.38	24.38	24.38	24.39	24.40	24.39	24.38	24.37	24.38	24.38	24.37	24.35	24.33	24.33	24.34	24.33	24.35	24.36	24.39	24.42	24.44	24.45	24.38	24.45	24.33
20	24.45	24.46	24.47	24.47	24.47	24.48	24.49	24.48	24.47	24.46	24.45	24.45	24.44	24.43	24.43	24.43	24.42	24.41	24.39	24.40	24.41	24.42	24.41	24.40	24.44	24.49	24.39
21	24.39	24.38	24.38	24.36	24.36	24.36	24.36	24.35	24.35	24.33	24.33	24.32	24.31	24.30	24.31	24.33	24.35	24.35	24.36	24.38	24.41	24.42	24.43	24.44	24.36	24.44	24.30
22	24.46	24.46	24.47	24.47	24.48	24.50	24.51	24.52	24.53	24.53	24.53	24.52	24.52	24.50	24.49	24.49	24.49	24.50	24.50	24.51	24.52	24.53	24.54	24.54	24.50	24.54	24.46
23	24.54	24.53	24.53	24.53	24.54	24.55	24.56	24.56	24.55	24.54	24.53	24.52	24.51	24.50	24.49	24.48	24.47	24.46	24.46	24.47	24.47	24.48	24.51	24.53	24.51	24.56	24.46
24	24.53	24.51	24.49	24.50	24.51	24.53	24.54	24.54	24.55	24.55	24.55	24.54	24.53	24.52	24.51	24.51	24.50	24.50	24.50	24.51	24.53	24.54	24.54	24.54	24.52	24.55	24.49
25	24.54	24.54	24.54	24.55	24.57	24.58	24.58	24.60	24.60	24.60	24.59	24.60	24.60	24.59	24.59	24.59	24.60	24.60	24.60	24.61	24.62	24.63	24.64	24.64	24.59	24.64	24.54
26	24.63	24.63	24.63	24.64	24.64	24.66	24.66	24.66	24.66	24.65	24.64	24.64	24.63	24.61	24.60	24.59	24.59	24.58	24.58	24.58	24.59	24.60	24.60	24.61	24.62	24.66	24.58
27	24.60	24.60	24.60	24.61	24.61	24.62	24.62	24.61	24.61	24.60	24.60	24.60	24.58	24.57	24.56	24.55	24.53	24.52	24.52	24.53	24.55	24.56	24.56	24.56	24.58	24.62	24.52
28	24.56	24.56	24.56	24.56	24.57	24.58	24.59	24.59	24.59	24.58	24.58	24.58	24.57	24.57	24.57	24.56	24.56	24.56	24.57	24.58	24.59	24.60	24.61	24.61	24.58	24.61	24.56
29	24.61	24.60	24.60	24.60	24.60	24.61	24.61	24.61	24.60	24.58	24.58	24.56	24.55	24.54	24.53	24.51	24.53	24.57	24.55	24.57	24.58	24.61	24.57	24.53	24.58	24.61	24.51
30	24.53	24.53	24.54	24.54	24.54	24.54	24.54	24.54	24.53	24.52	24.51	24.51	24.51	24.49	24.49	24.48	24.48	24.48	24.48	24.48	24.50	24.51	24.52	24.53	24.51	24.54	24.48
Avg	24.47	24.47	24.47	24.47	24.47	24.48	24.49	24.49	24.48	24.47	24.47	24.47	24.46	24.45	24.44	24.43	24.43	24.43	24.44	24.45	24.46	24.47	24.47	24.47	24.46	24.51	24.41
Max	24.63	24.63	24.63	24.64	24.64	24.66	24.66	24.66	24.66	24.65	24.64	24.64	24.63	24.61	24.60	24.59	24.60	24.60	24.60	24.61	24.62	24.63	24.64	24.64	24.62	24.66	24.58
Min	24.33	24.34	24.33	24.33	24.33	24.34	24.34	24.35	24.34	24.33	24.31	24.30	24.30	24.29	24.28	24.28	24.28	24.28	24.28	24.29	24.30	24.31	24.32	24.33	24.32	24.36	24.28

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
April 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	55.7	58.7	59.1	57.0	55.6	55.5	57.4	51.8	45.1	41.9	37.8	35.3	31.7	27.8	23.1	24.2	27.2	30.3	35.5	43.2	58.4	60.9	61.1	60.7	45.6	61.1	23.1
2	64.9	83.0	86.9	84.2	85.4	85.8	83.8	78.3	69.4	68.8	64.9	61.5	50.9	47.7	43.4	44.6	39.6	40.0	59.4	71.9	82.0	85.8	85.7	87.8	69.0	87.8	39.6
3	87.0	89.9	91.0	90.1	87.4	88.8	87.9	77.1	67.0	59.1	46.4	37.8	32.2	29.9	25.3	28.4	30.2	29.7	31.4	38.2	44.4	53.3	57.3	60.1	57.1	91.0	25.3
4	61.3	58.3	57.6	60.6	67.6	72.4	75.1	67.1	48.5	45.1	51.3	44.7	39.2	34.5	39.0	42.2	44.9	71.2	94.9	94.8	94.9	95.3	94.9	93.4	64.5	95.3	34.5
5	92.4	90.9	90.1	90.1	89.8	89.8	91.1	92.7	92.9	91.6	91.4	88.6	94.4	95.4	92.5	92.4	91.2	87.1	85.2	85.6	83.0	85.4	86.5	88.4	89.9	95.4	83.0
6	88.9	88.3	86.7	87.0	86.2	87.6	90.1	92.2	92.6	89.7	85.8	81.9	77.6	71.2	79.9	81.6	81.0	91.9	94.3	96.1	95.7	95.6	95.2	91.7	87.9	96.1	71.2
7	91.1	89.9	88.9	87.2	86.2	84.5	85.9	82.8	75.3	69.2	58.9	54.9	50.5	45.5	39.7	33.1	29.7	33.2	47.1	60.9	68.2	70.4	71.2	82.0	66.1	91.1	29.7
8	81.4	80.7	77.9	82.5	79.6	79.7	82.0	64.3	54.7	45.9	52.6	59.0	67.5	69.9	66.2	79.8	73.5	77.7	87.1	90.3	93.0	92.9	94.8	94.1	76.1	94.8	45.9
9	94.4	93.8	92.6	92.9	91.3	91.1	89.7	80.5	75.4	63.3	51.0	40.0	37.2	30.9	26.9	28.1	29.5	30.0	36.3	55.3	63.4	72.7	78.0	80.2	63.5	94.4	26.9
10	85.0	87.4	87.9	90.0	90.0	91.4	88.8	80.4	62.4	47.7	40.7	39.2	36.4	35.7	30.4	29.0	30.7	32.6	33.5	39.6	55.3	63.8	68.3	74.3	59.2	91.4	29.0
11	72.6	70.0	72.8	76.7	77.3	81.3	82.5	81.1	55.6	33.8	31.5	31.1	32.2	37.9	41.0	45.6	64.4	68.0	68.1	62.0	51.8	47.5	43.6	45.5	57.2	82.5	31.1
12	53.1	59.4	64.3	67.6	74.2	80.5	73.5	62.5	51.8	43.9	39.8	38.3	39.5	37.0	35.3	32.8	32.7	34.0	37.0	40.0	42.5	45.4	49.1	51.9	49.4	80.5	32.7
13	54.5	60.1	68.4	74.5	80.2	80.9	73.6	58.7	47.2	39.6	34.9	32.2	28.7	25.0	23.8	21.5	19.2	18.8	22.3	28.6	30.0	32.4	31.8	29.9	42.4	80.9	18.8
14	41.7	50.2	62.2	70.6	71.0	57.0	36.8	30.0	26.0	23.7	25.5	27.5	30.9	32.3	33.1	59.9	91.2	97.1	96.5	95.9	94.8	94.6	91.5	91.2	59.6	97.1	23.7
15	92.3	92.0	92.1	91.2	88.5	86.3	82.2	83.6	79.0	70.3	64.9	65.1	65.6	67.2	64.4	60.3	59.3	59.4	61.8	74.3	86.7	90.7	89.6	90.0	77.4	92.3	59.3
16	89.5	89.8	88.6	87.9	88.2	87.2	86.3	84.5	73.9	60.3	54.0	48.1	38.4	35.2	31.1	27.3	27.7	28.6	34.7	61.9	72.7	76.7	79.5	82.4	63.9	89.8	27.3
17	85.0	86.1	83.7	86.0	87.6	88.3	83.3	66.7	55.3	43.7	36.5	30.4	28.1	24.8	21.4	18.3	20.4	21.9	25.2	45.3	54.7	60.7	68.5	72.4	53.9	88.3	18.3
18	81.0	84.2	87.1	87.1	88.9	87.9	86.0	78.3	61.7	55.7	67.8	68.2	63.0	58.0	56.2	55.0	59.9	57.9	60.5	64.5	71.3	75.0	79.4	85.0	71.7	88.9	55.0
19	88.9	89.4	90.1	91.0	91.2	90.2	83.0	73.9	59.8	47.9	42.5	40.0	41.8	41.8	40.5	38.3	41.4	43.0	44.9	47.8	62.9	72.8	79.1	83.3	63.6	91.2	38.3
20	86.9	87.5	88.2	89.1	88.9	89.0	83.9	71.3	57.3	45.5	38.3	32.9	29.1	25.9	24.6	26.7	29.0	30.1	34.5	41.6	58.0	65.3	67.9	73.4	56.9	89.1	24.6
21	79.9	85.1	86.7	86.9	87.4	88.1	83.1	64.1	42.2	33.3	31.4	29.7	30.0	30.1	29.3	29.1	28.0	29.6	29.8	45.1	54.9	58.4	65.8	68.5	54.0	88.1	28.0
22	68.9	72.4	79.0	87.1	87.5	87.4	85.3	63.2	46.5	35.2	31.2	27.9	27.5	27.8	25.8	25.4	30.9	45.2	53.4	57.5	80.8	89.9	90.9	92.8	59.1	92.8	25.4
23	92.8	93.3	94.7	96.6	96.7	97.6	97.9	92.0	56.5	37.2	23.0	19.7	17.6	18.2	18.3	22.1	28.8	31.9	34.0	35.9	42.7	49.5	56.4	63.5	54.9	97.9	17.6
24	71.2	74.5	74.0	82.6	85.2	85.5	83.3	71.6	62.6	42.1	43.3	45.7	45.9	49.9	62.5	79.4	88.5	87.5	90.0	92.3	96.5	97.7	97.9	98.1	75.3	98.1	42.1
25	98.2	98.2	98.0	97.4	94.6	94.6	89.0	84.5	78.3	72.7	78.2	76.8	71.5	69.0	67.3	71.4	66.2	61.6	62.3	77.5	88.6	92.0	94.2	93.7	82.3	98.2	61.6
26	88.8	88.2	82.5	78.0	76.4	75.3	74.7	80.1	79.8	84.6	89.7	85.1	88.5	87.7	87.2	91.2	92.8	92.1	93.0	95.1	95.9	95.9	95.3	95.1	87.2	95.9	74.7
27	94.4	93.8	93.3	92.9	92.6	93.8	87.2	79.0	78.9	75.4	66.5	58.2	54.4	47.8	43.0	41.2	40.1	39.5	42.3	61.6	78.2	83.2	87.0	89.3	71.4	94.4	39.5
28	93.0	93.1	93.2	94.1	94.5	93.1	88.9	73.7	52.6	43.9	36.8	31.0	28.0	24.3	20.4	18.2	19.0	19.1	21.8	40.9	53.7	58.5	64.8	74.7	55.5	94.5	18.2
29	76.8	73.0	81.7	82.4	82.4	82.7	72.3	56.1	36.8	29.5	27.5	24.3	23.9	21.9	23.8	29.4	48.8	59.0	63.8	75.1	87.1	87.8	94.1	97.0	59.9	97.0	21.9
30	93.2	92.7	92.3	93.9	93.5	80.5	81.4	66.1	51.9	43.2	40.1	37.3	34.4	29.9	26.4	24.5	24.5	26.0	28.1	33.4	51.3	65.3	70.7	78.3	56.6	93.9	24.5
Avg	80.2	81.8	83.1	84.5	84.9	84.5	81.5	72.9	61.2	52.8	49.5	46.4	44.6	42.7	41.4	43.4	46.3	49.1	53.6	61.7	69.8	73.8	76.3	79.0	64.4	91.0	36.4
Max	98.2	98.2	98.0	97.4	96.7	97.6	97.9	92.7	92.9	91.6	91.4	88.6	94.4	95.4	92.5	92.4	92.8	97.1	96.5	96.1	96.5	97.7	97.9	98.1	89.9	98.2	83.0
Min	41.7	50.2	57.6	57.0	55.6	55.5	36.8	30.0	26.0	23.7	23.0	19.7	17.6	18.2	18.3	18.2	19.0	18.8	21.8	28.6	30.0	32.4	31.8	29.9	42.4	61.1	17.6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
May 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	82.5	83.2	85.3	85.4	85.5	85.0	83.9	78.2	64.5	32.1	29.0	30.0	30.5	25.6	23.0	22.2	21.2	20.1	19.8	25.6	34.0	30.1	41.5	47.2	48.6	85.5	19.8
2	56.4	60.9	67.1	71.1	74.8	77.0	77.0	59.1	32.8	30.4	30.7	29.4	27.3	23.0	21.8	22.6	20.0	18.1	18.8	23.7	39.6	52.7	63.1	70.4	44.5	77.0	18.1
3	83.8	87.3	92.3	94.3	92.2	92.1	84.0	75.7	61.4	53.4	45.4	37.3	31.5	26.4	23.1	22.7	32.6	36.6	43.4	47.3	53.0	52.2	54.8	58.3	57.5	94.3	22.7
4	61.2	67.4	70.1	73.8	85.2	88.0	82.6	61.5	48.2	43.0	39.1	36.9	34.3	28.7	25.3	25.8	22.1	23.5	28.6	47.7	48.7	47.5	66.5	77.1	51.4	88.0	22.1
5	81.5	84.9	89.0	92.8	91.4	88.7	79.6	63.7	46.8	34.2	33.8	33.9	30.3	31.1	44.3	74.3	84.7	87.2	86.8	87.1	82.7	86.7	89.9	92.8	70.8	92.8	30.3
6	94.2	96.1	92.5	73.1	66.4	63.4	59.3	69.7	76.8	65.2	60.9	56.2	50.5	46.5	45.3	46.1	47.2	49.0	49.6	55.4	55.9	55.9	61.7	61.8	62.4	96.1	45.3
7	62.0	63.8	64.9	65.9	67.3	65.6	59.5	57.3	55.2	57.4	60.9	62.4	61.3	65.2	67.0	65.9	61.1	65.6	68.5	70.7	74.7	78.3	80.4	84.0	66.0	84.0	55.2
8	88.5	92.0	93.8	94.1	92.9	93.6	91.9	89.5	84.0	77.7	75.2	74.6	73.1	71.9	67.7	80.8	91.2	91.9	96.0	96.0	94.6	91.0	93.9	94.1	87.1	96.0	67.7
9	94.6	94.0	91.8	93.6	93.4	91.5	81.8	74.3	74.8	69.3	63.0	58.1	52.4	47.3	50.2	53.4	58.9	55.4	56.5	63.9	69.9	78.5	84.9	88.8	72.5	94.6	47.3
10	90.8	92.6	91.6	92.0	90.9	88.7	79.9	67.8	41.8	26.4	22.7	17.0	18.0	16.8	17.1	15.9	24.3	25.2	28.9	39.9	51.2	55.3	64.3	73.8	51.4	92.6	15.9
11	79.8	82.8	84.6	85.6	86.1	83.2	71.5	60.0	33.5	25.8	23.4	26.1	27.2	27.0	26.8	26.5	27.2	29.8	33.8	36.6	43.9	47.6	49.1	50.9	48.7	86.1	23.4
12	52.2	54.6	54.8	55.5	55.2	58.8	56.5	58.8	59.9	61.8	65.8	62.3	59.9	56.9	54.8	56.5	60.8	64.4	64.4	64.6	69.7	74.2	86.2	88.8	62.4	88.8	52.2
13	88.3	87.1	87.8	85.8	84.1	83.1	81.5	77.9	70.1	64.3	60.5	58.2	55.2	49.4	41.4	37.0	47.0	62.0	67.8	70.9	75.2	80.6	86.0	88.8	70.4	88.8	37.0
14	92.3	93.9	95.7	93.8	89.3	87.3	88.0	83.5	82.7	84.6	77.0	72.3	66.3	63.2	71.3	78.6	81.9	82.3	85.6	82.2	86.5	86.9	83.5	81.2	82.9	95.7	63.2
15	82.2	80.9	86.0	91.3	89.0	87.6	85.7	89.0	85.8	79.5	81.6	86.1	83.0	81.2	79.5	79.4	75.0	82.1	86.8	88.3	92.1	95.4	95.8	87.1	85.4	95.8	75.0
16	84.7	84.4	84.8	89.4	84.7	89.0	89.1	83.9	84.7	84.6	83.8	87.1	88.4	85.4	84.7	84.3	83.8	83.0	83.5	84.2	82.1	82.3	84.6	89.0	85.2	89.4	82.1
17	90.9	91.6	93.5	94.4	93.5	91.2	86.9	88.1	86.5	85.9	83.7	82.5	77.3	76.0	78.5	75.7	74.7	74.5	78.4	79.3	83.8	86.0	86.0	86.5	84.4	94.4	74.5
18	88.9	88.8	86.3	84.1	87.3	85.8	79.9	78.9	76.2	74.1	72.6	71.0	69.7	69.3	66.3	66.9	68.4	72.6	75.4	75.9	75.8	74.3	73.6	76.2	76.6	88.9	66.3
19	77.7	78.6	74.9	75.8	82.2	68.6	68.9	61.5	52.8	54.4	50.1	48.5	52.1	53.6	50.5	49.3	52.4	59.6	71.2	80.2	76.8	74.0	76.3	79.0	65.4	82.2	48.5
20	82.9	80.6	81.8	78.2	77.6	75.2	61.9	59.9	54.0	45.8	38.9	31.3	25.7	25.3	29.1	32.2	32.1	30.4	34.1	43.9	53.6	61.7	62.0	59.7	52.4	82.9	25.3
21	63.1	65.9	71.9	76.8	84.1	83.6	69.7	59.7	55.6	54.5	52.7	50.1	48.7	48.1	47.0	49.3	52.7	52.2	52.4	55.9	59.8	67.1	69.4	74.1	61.0	84.1	47.0
22	74.4	80.7	88.0	90.5	92.8	88.3	79.3	63.8	52.0	52.3	50.7	48.2	70.7	85.4	84.8	73.0	63.9	63.9	64.3	68.3	78.0	87.5	86.8	89.1	74.0	92.8	48.2
23	88.8	92.2	94.0	94.3	96.3	96.7	96.3	96.3	88.4	81.6	81.3	83.4	82.0	81.9	88.6	89.7	90.3	89.3	90.9	85.7	93.2	92.6	92.9	94.9	90.1	96.7	81.3
24	95.6	97.7	98.5	98.3	98.2	98.0	97.1	92.9	82.6	76.1	67.4	65.6	61.9	62.6	60.9	62.6	59.0	65.1	66.4	72.2	87.0	88.8	90.5	94.8	80.8	98.5	59.0
25	94.0	96.4	95.5	96.3	96.2	93.0	85.4	72.3	60.7	61.1	58.1	53.1	53.3	65.1	64.2	48.6	44.2	47.4	55.7	57.7	66.5	75.6	83.1	84.9	71.2	96.4	44.2
26	90.4	90.8	92.2	91.6	95.6	95.9	95.4	94.3	88.8	82.6	78.4	73.4	65.4	61.9	52.4	49.8	57.5	61.0	59.2	66.1	80.8	88.7	90.3	90.1	78.9	95.9	49.8
27	94.4	95.0	94.1	92.2	94.6	93.3	89.6	78.2	76.1	67.9	66.2	65.4	60.6	61.7	53.5	55.7	54.5	52.6	63.0	78.1	87.0	91.4	90.4	93.2	77.0	95.0	52.6
28	94.1	97.2	96.4	95.8	94.7	95.8	94.2	92.7	90.2	93.1	89.8	89.2	87.0	79.3	82.4	82.9	81.8	83.2	80.1	81.9	93.0	89.8	88.2	86.5	89.1	97.2	79.3
29	88.5	89.8	91.4	92.6	94.7	93.9	84.2	80.7	79.0	72.5	71.4	67.2	65.7	63.4	60.6	58.6	60.6	63.7	72.2	77.9	81.2	84.8	88.8	89.7	78.0	94.7	58.6
30	90.3	91.1	91.8	95.6	97.2	97.5	93.7	70.4	59.1	60.0	58.7	55.5	56.5	59.9	65.7	82.0	82.3	71.9	73.5	83.4	91.7	93.1	95.4	93.4	79.6	97.5	55.5
31	97.0	95.7	96.9	97.7	97.7	97.9	92.2	84.3	77.4	64.8	54.6	48.7	46.5	42.6	39.1	36.8	34.8	36.4	51.5	58.6	68.8	78.7	85.2	90.2	69.8	97.9	34.8
Avg	83.4	85.1	86.4	86.8	87.5	86.4	81.5	75.0	67.2	61.8	58.9	56.8	55.2	54.2	53.8	55.0	56.4	58.1	61.5	66.1	72.0	75.1	78.9	81.2	70.2	91.6	48.5
Max	97.0	97.7	98.5	98.3	98.2	98.0	97.1	96.3	90.2	93.1	89.8	89.2	88.4	85.4	88.6	89.7	91.2	91.9	96.0	96.0	94.6	95.4	95.8	94.9	90.1	98.5	82.1
Min	52.2	54.6	54.8	55.5	55.2	58.8	56.5	57.3	32.8	25.8	22.7	17.0	18.0	16.8	17.1	15.9	20.0	18.1	18.8	23.7	34.0	30.1	41.5	47.2	44.5	77.0	15.9

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
June 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	92.7	93.7	95.4	92.6	91.9	90.7	87.9	75.6	60.4	49.8	47.9	42.6	41.3	38.9	42.0	59.3	74.5	89.1	79.7	89.0	94.0	92.9	93.2	95.7	75.5	95.7	38.9
2	97.0	95.3	97.5	98.3	98.2	98.5	97.5	90.7	75.5	72.1	70.3	67.1	65.7	54.7	56.2	80.9	71.1	58.5	62.7	73.7	77.2	86.7	91.0	94.8	80.5	98.5	54.7
3	95.4	94.5	94.7	94.0	93.2	91.2	88.4	73.2	63.6	62.6	54.5	49.1	48.7	61.4	53.2	49.3	40.4	39.8	45.0	64.3	79.5	91.5	93.8	93.3	71.4	95.4	39.8
4	94.2	91.5	92.9	94.6	96.5	95.5	86.9	77.9	64.9	61.3	60.8	54.4	45.9	47.7	42.4	49.4	45.4	42.1	50.6	66.0	74.6	77.3	82.2	83.3	69.9	96.5	42.1
5	89.9	91.6	93.2	94.9	95.9	92.7	86.6	77.5	63.9	56.8	60.3	65.4	58.8	60.3	54.3	60.2	85.2	88.1	91.6	94.1	86.7	88.3	95.6	96.2	80.3	96.2	54.3
6	95.6	97.9	98.2	98.3	98.2	98.2	94.3	84.1	70.1	58.8	51.7	46.5	42.4	38.0	36.7	35.0	35.6	37.4	52.5	61.2	64.4	69.4	79.6	82.6	67.8	98.3	35.0
7	85.1	86.7	86.2	87.6	90.4	89.1	80.0	65.0	52.0	44.2	38.0	31.1	27.9	36.3	36.5	37.8	37.3	37.1	39.1	52.3	69.4	74.4	79.0	87.0	60.4	90.4	27.9
8	87.5	90.4	93.2	95.5	93.9	88.8	78.4	69.5	50.7	47.5	44.5	41.3	37.2	35.1	32.0	29.3	29.1	29.2	29.3	32.3	47.6	69.2	74.6	80.2	58.6	95.5	29.1
9	81.2	84.4	88.4	87.2	91.5	85.1	76.5	58.1	46.0	38.5	36.8	34.3	31.8	30.6	28.8	29.3	45.0	58.7	65.4	58.2	62.1	60.9	56.3	62.6	58.2	91.5	28.8
10	66.2	77.0	79.3	84.8	87.0	85.0	75.0	61.2	61.7	62.1	63.3	64.3	58.8	49.1	39.5	40.5	41.5	37.5	44.0	44.7	67.5	85.0	83.8	85.9	64.4	87.0	37.5
11	89.6	93.6	93.9	94.3	94.4	92.3	78.7	73.5	58.4	56.8	50.7	43.1	44.7	37.9	33.5	31.7	29.9	29.5	28.5	34.0	51.8	67.4	77.8	80.4	61.1	94.4	28.5
12	84.4	87.0	88.3	90.2	91.1	84.9	75.6	48.6	38.3	36.6	35.5	35.0	34.9	32.9	28.2	22.3	19.0	18.1	18.7	21.1	37.0	39.5	39.2	45.4	48.0	91.1	18.1
13	68.5	80.8	87.4	88.7	91.8	86.8	76.2	44.3	37.4	34.2	29.6	26.2	28.3	29.0	28.1	27.0	26.6	30.0	31.7	31.7	39.6	52.4	64.2	71.8	50.5	91.8	26.2
14	73.8	73.9	79.0	76.3	77.7	76.8	71.6	70.3	65.7	61.5	63.6	62.2	60.4	56.4	51.4	49.2	56.2	58.1	60.4	65.3	70.7	71.4	74.3	79.2	66.9	79.2	49.2
15	76.3	84.5	79.4	84.3	87.9	89.3	79.8	67.4	71.0	66.9	66.4	66.4	63.0	61.9	63.9	69.3	68.3	69.4	71.4	76.0	80.9	80.5	85.0	83.3	74.7	89.3	61.9
16	87.7	87.7	86.8	89.1	89.2	89.2	75.5	64.5	66.6	62.1	59.1	54.3	49.1	51.7	44.1	38.3	34.7	45.1	58.7	64.9	76.8	80.6	86.2	88.1	67.9	89.2	34.7
17	91.4	93.7	95.8	92.3	95.2	91.3	85.0	73.5	64.6	48.9	43.5	39.4	35.3	24.5	28.4	34.2	36.7	41.8	46.7	52.7	58.1	63.5	75.4	77.2	62.0	95.8	24.5
18	81.5	83.8	80.4	78.9	81.0	80.4	74.7	70.1	66.0	65.7	Au	Au	Au	Au	42.0	37.3	39.8	39.7	46.8	63.0	68.2	79.7	87.2	90.4	67.8	90.4	37.3
19	92.9	92.3	96.2	96.7	97.9	98.3	94.0	76.8	52.0	36.7	34.1	35.6	34.1	32.6	30.8	31.6	43.4	48.5	35.7	31.6	34.9	43.3	50.1	63.7	57.7	98.3	30.8
20	78.5	82.7	86.5	89.2	91.0	86.1	76.7	58.7	46.8	40.6	39.7	38.5	37.7	36.9	35.6	36.8	36.0	32.2	33.6	38.5	54.8	67.9	71.2	79.6	57.3	91.0	32.2
21	83.8	87.8	90.5	92.7	93.9	89.0	76.7	67.1	47.1	36.4	34.2	34.4	33.2	36.7	50.4	58.5	67.7	73.9	74.9	79.6	81.5	87.2	89.1	84.7	68.8	93.9	33.2
22	86.2	90.5	91.1	94.5	90.9	87.5	84.0	83.1	76.8	62.2	54.7	44.1	35.3	35.0	33.4	33.7	35.6	36.6	43.7	46.5	63.1	68.7	76.7	75.5	63.7	94.5	33.4
23	83.4	87.2	90.8	90.9	94.0	90.1	78.6	65.8	43.7	32.6	32.1	27.4	27.5	24.8	24.6	25.0	25.2	26.8	31.7	38.3	41.4	56.3	57.3	72.6	52.8	94.0	24.6
24	79.6	76.7	77.3	79.5	87.4	85.0	77.7	59.2	51.9	46.9	45.2	40.6	37.2	32.6	32.0	31.5	29.6	29.6	35.4	46.1	58.6	62.2	59.7	58.2	55.0	87.4	29.6
25	63.7	68.4	79.1	85.7	87.2	86.9	88.0	81.5	65.0	46.9	39.2	38.9	36.2	34.8	34.1	34.1	34.7	31.2	32.6	36.2	47.0	58.2	66.1	72.7	56.2	88.0	31.2
26	75.8	79.9	85.9	89.4	92.6	87.6	71.9	60.5	42.5	37.7	33.7	27.0	26.4	25.4	22.8	19.4	18.2	21.3	19.9	33.8	46.3	57.7	65.5	70.2	50.5	92.6	18.2
27	73.2	74.9	76.8	80.9	82.1	77.8	65.3	55.7	40.8	29.4	23.6	20.8	18.6	19.8	19.1	18.1	18.4	19.5	23.9	34.5	44.8	57.9	65.4	71.7	46.4	82.1	18.1
28	74.8	77.4	76.3	83.4	84.0	84.7	67.6	54.9	40.8	35.5	29.5	24.9	20.3	17.4	18.1	17.0	21.6	22.2	24.4	27.5	41.9	57.2	59.4	62.3	46.8	84.7	17.0
29	65.0	73.0	75.5	80.8	82.0	80.8	71.7	54.3	42.3	26.5	23.6	23.3	22.2	23.0	21.2	30.6	49.4	72.8	72.0	71.7	76.5	85.1	87.7	88.9	58.3	88.9	21.2
30	89.4	88.7	90.4	92.0	92.8	93.0	85.0	70.1	58.4	52.0	39.7	35.6	35.0	27.3	31.1	33.5	35.3	34.5	33.7	35.6	45.7	55.6	67.2	79.2	58.4	93.0	27.3
Avg	82.8	85.6	87.5	89.3	90.7	88.4	80.2	67.8	56.2	49.0	45.0	41.9	39.2	37.7	36.5	38.3	41.0	43.3	46.1	52.1	61.4	69.6	74.5	78.6	61.9	91.8	32.8
Max	97.0	97.9	98.2	98.3	98.2	98.5	97.5	90.7	76.8	72.1	70.3	67.1	65.7	61.9	63.9	80.9	85.2	89.1	91.6	94.1	94.0	92.9	95.6	96.2	80.5	98.5	61.9
Min	63.7	68.4	75.5	76.3	77.7	76.8	65.3	44.3	37.4	26.5	23.6	20.8	18.6	17.4	18.1	17.0	18.2	18.1	18.7	21.1	34.9	39.5	39.2	45.4	46.4	79.2	17.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
April 2015

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.010	0.020	0.000	0.000	0.050	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.110	0.050
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.030
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.060	0.050	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.140	0.060
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.020	0.010	0.020	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.030
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.040	0.070	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.180	0.070
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.060	0.010	0.030	0.080	0.020	0.000	0.000	0.000	0.220	0.080
25	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.100	0.150	0.090	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.370	0.150
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.040	0.010
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.050	0.080	0.000	0.000	0.150	0.080
30	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
Tot	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.000	0.010	0.150	0.280	0.240	0.130	0.040	0.010	0.050	0.130	0.030	0.030	0.110	0.070	0.080	0.000	0.000	1.380	0.000
Max	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.000	0.010	0.100	0.150	0.090	0.050	0.020	0.010	0.020	0.060	0.010	0.030	0.080	0.050	0.080	0.000	0.000	0.370	0.150

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
May 2015

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.150	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.210	0.150
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.020	0.000	0.000	0.000	0.000	0.000	0.060	0.030
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.030	0.030
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.010	0.000	0.010	0.010	0.010	0.020	0.060	0.040	0.030	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.230	0.060
17	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.060
23	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.020	0.000	0.000	0.030	0.060	0.030	0.080	0.070	0.070	0.020	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.490	0.080
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.010	0.000	0.040	0.080	0.080	0.090	0.030	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.340	0.090
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.010	0.010
28	0.000	0.000	0.020	0.000	0.000	0.000	0.010	0.030	0.020	0.050	0.170	0.010	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.370	0.170
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.020	0.020
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.030	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.110	0.070
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.110	0.000	0.000	0.110	0.110
Tot	0.000	0.000	0.030	0.010	0.040	0.090	0.190	0.160	0.060	0.060	0.210	0.080	0.170	0.170	0.200	0.280	0.080	0.060	0.020	0.000	0.010	0.130	0.000	0.040	2.090	0.000
Max	0.000	0.000	0.020	0.010	0.040	0.080	0.080	0.090	0.030	0.050	0.170	0.060	0.060	0.080	0.070	0.150	0.030	0.030	0.020	0.000	0.010	0.110	0.000	0.030	0.490	0.170

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
June 2015

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.110	0.170	0.000	0.000	0.000	0.000	0.000	0.000	1.280	1.110
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.040
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.020	0.020
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.010	0.010
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.280	0.000	0.010	0.040	0.000	0.000	0.000	0.000	0.350	0.280
6	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Au	Au	Au	Au	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.030
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.080	0.000	0.000	0.000	0.020	0.020	0.000	0.180	0.080
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.060	1.480	0.250	0.010	0.050	0.020	0.020	0.020	0.000	1.970	0.000
Max	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.040	1.110	0.170	0.010	0.040	0.020	0.020	0.020	0.000	1.280	1.110

APPENDIX B: PERFORMANCE AUDIT REPORTS SECOND QUARTER 2015

BISON ENGINEERING, INC.

PRELIMINARY METEOROLOGICAL AUDIT REPORT

Client : Tintina Resources
SITE : Black Butte DATE : 06/18/15

Audit Start Time : 10:30 MST Audit End Time : 13:30 MST

Temperature

Audit Device : Control Company Digital Thermometer
Model Number : 4000 Serial Number : 140251289
Last certified : 04/10/15
Sensor Make : Climatronics
Model Number : 100093 Serial Number Upper: 8253 Serial Number Lower: 8255

Temperature bath results as is

Audit Value oC	9m DAS Value oC	9m DAS Diff. oC	2m DAS Value oC	2m DAS Diff. oC	9m - 2m DAS Diff. oC
-9.39	-8.64	0.75	-9.01	0.38	-0.37
20.00	19.96	-0.04	19.99	-0.01	0.03
49.51	49.10	-0.41	49.41	-0.10	0.31

Temp probes were replaced after the audits.

Temperature bath results new sensors
Model Number : 100093.00 Serial Number Upper: P12535 Serial Number Lower: P12535

Temperature bath results as is

Audit Value oC	9m DAS Value oC	9m DAS Diff. oC	2m DAS Value oC	2m DAS Diff. oC	9m - 2m DAS Diff. oC
-9.51	-9.51	0.00	-9.24	0.27	0.27
19.89	19.81	-0.08	19.86	-0.03	0.05
49.53	49.62	0.09	49.44	-0.09	-0.18

Wind Direction

Alignment Audit Device : Nextar
Model Number : X3-T
Linearity Audit Device : Climatronics
Model Number : 101966 Serial Number : 72
Sensor height : 10 Meter
Sensor Make : Climatronics
Model Number : 102083 Serial Number : 1849

Crossarm Orientation : N-S
Magnetic Declination : 12
Measured Degrees : 0
Sensor response aligned with crossarm (as found) : 0.0
Sensor response aligned with crossarm (as left) : 0.0

Linearity Check from DAS (as found)

Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	0.5	0.5	0.5	0.5
30	33.0	33.0	3.0	3.0
60	62.2	61.2	2.2	1.2
90	91.7	91.6	1.7	1.6
120	123.1	123.1	3.1	3.1
150	152.2	152.1	2.2	2.1
180	182.2	182.0	2.2	2.0
210	211.5	211.3	1.5	1.3
240	241.5	241.3	1.5	1.3
270	271.0	270.8	1.0	0.8
300	301.3	301.2	1.3	1.2
330	331.1	331.1	1.1	1.1
		Max Diff	3.0	3.0

Linearity Check from DAS (as left)

Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	0	1	0.0	1.0
90	90	90	0.0	0.0
180	179	180	-1.0	0.0
270	268	268	-2.0	-2.0
		Max Diff	0.0	1.0

Wind Speed

Audit Device :	RMYoung		
Model Number :	18811	Serial Number :	CA02929
Last certified :	NA		
Sensor height :	10 Meter		
Sensor Make :	Climatronics		
Model Number :	102083	Serial Number :	1849

Synchronous motor checks

Known Value RPM	Audit Value MPS	DAS Station Value MPS	DAS Diff. MPS
0	0.2	0.2	0.0
300	6.7	6.7	0.0
600	13.1	13.0	-0.1
950	20.6	20.6	0.0

Torque Audit Device :	RM Young Disk		
Model Number :	18312	Serial Number :	NA

Threshold Torque gm-cm Maximum	Station Value Torque gm-cm	Diff. Torque gm-cm
1.0	0.3	-0.7

Relative Humidity

Audit Device :	Taylor Hygometer		
Model Number :	5522	Serial Number :	66978
Last certified :	NA		
Sensor height :	10 Meter		
Sensor Make :	Met One		
Model Number :	083E-0-35	Serial Number :	P18245

Audit Dry-Bulb: oC	Audit Wet-Bulb oC	Audit Audit RH %RH	Audit Station RH %RH	Audit Diff %RH
74.0	64.0	58.0	57.0	-1

Barometric Pressure

Audit Device :	Delta Cal		
Model Number :	Delta Cal	Serial Number :	999
Last certified :	03/19/15		
Sensor Make :	Climatronics		
Model Number :	102663-G0	Serial Number :	42017

Audit Value In Hg	Station Value In Hg	Audit Diff. In Hg
24.28	24.46	0.18

Solar Radiation

Audit Device :	Li Cor		
Model Number :	LI-200	Serial Number :	PY82228
Last certified :	05/21/15	uA/m^2 :	98.51
Sensor Make :	Met One		
Model Number :	096-1	Serial Number :	PY69829

Audit Value w/m2	DAS Station Value w/m2	DAS Diff. %
480	491	2.3

Precipitation

Audit Device :	Fisher Scientific		
Model Number :	S32814A	Serial Number :	250 ml
Last certified :	NA		
Sensor Make :	Climatronics		
Model Number :	100097-1-G0-H0	Serial Number :	N3939
Opening :	8	Inch	
Bucket Tip :	0.254	MM	
Bucket Tip Volume :	8.24	ML	
Level checked :	OK		
Wind Screen in place :	OK		

Known Value ML	Known Value Bucket Tips	Station Value Bucket Tips	% Diff
250.0	30	27	-11.0
250.0	30	28	-7.7

Signature Site Operator : _____

Signature Auditor : _____

Note: These preliminary results are subject to appropriate changes following verification of audit equipment,procedures,and calculations.

APPENDIX C: EVAPORATION AND PRECIPITATION SUMMARY, SECOND QUARTER 2015

EVAPORATION AND PRECIPITATION SUMMARY FOR TINTINA SITE (06.23.2015 - 07.01.2015)

(All values in inches)

DATE	TIME	EVAPORATION AS-FOUND	EVAPORATION AS-LEFT	PRECIPITATION (MANUAL)	PRECIPITATION (AUTOMATED)	TOTAL EVAPORATION	NET EVAPORATION
6/23/2015	1215	3.616	3.616				
6/25/2015	1400	3.134	3.134	0.00	0.01	0.482	0.482
6/26/2015	1410	2.994	2.994	0.00	0.00	0.140	0.140
6/29/2015	1520	1.902	3.500	0.00	0.00	1.092	1.092
7/1/2015	1530	3.201	3.201	0.20	0.18	0.499	0.299
			TOTAL	0.20	0.19	2.213	2.013

TINTINA RESOURCES, INC.
BLACK BUTTE COPPER PROJECT AMBIENT AIR MONITORING PROGRAM
Quarterly Data Report
Third Quarter 2015

Prepared for:

Tintina Resources, Inc.
17 East Main St
White Sulphur Springs, MT 59645

Prepared by:

Bison Engineering, Inc.
2751 Enterprise Ave., Ste. 2
Billings, MT 59102
(406) 896-1716
http://www.bison-eng.com

November 15, 2015

CERTIFICATION OF DATA INTEGRITY

Bison Engineering, Inc., certifies the data in this report is an accurate summary of the air quality conditions measured at the Black Butte Copper Project air monitoring site. Every effort was made to obtain accurate and representative data and to comply with the procedures set forth in the project-specific *Quality Assurance Project Plan*, the *State of Montana Ambient Air Monitoring Program Quality Assurance Project Plan (April 2013)*, and the Environmental Protection Agency's *Quality Assurance Handbook for Air Pollution Measurement Systems: Volume I, A Field Guide to Environmental Quality Assurance (April 1994), Volume II, Ambient Air Quality Program (May 2013), and Volume IV, Meteorological Measurements (March 2008).*

Preparer: Jeffrey S. Bell

Signature:

Title: Senior Field Technician

Date: 10/14/15

Reviewer: Rebecca L. Picchioni, P.E.

Signature:

Title: Project Engineer

Date: 10/19/15

TABLE OF CONTENTS

CERTIFICATION OF DATA INTEGRITY ii

1.0 INTRODUCTION 1

2.0 MONITORING SYSTEM OPERATIONS 3

3.0 CALIBRATION DATA 4

4.0 PERFORMANCE AUDIT DATA 5

5.0 DATA COMPLETENESS 6

6.0 MONITORING DATA 11

LIST OF TABLES

Table 1. Monthly Data Completeness 7
Table 2. Quarterly Data Completeness 10
Table 3. Periods of Missing Data 10
Table 4. Missing Data Codes 12
Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 13
Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 14
Table 7. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 15
Table 8. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower 16

LIST OF FIGURES

Figure 1. Monitoring Site Location 2
Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower 17
Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower 18
Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower 19
Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower 20

APPENDICES

Appendix A: Meteorological Data
Appendix B: Performance Audit Reports
Appendix C: Evaporation and Precipitation Summary

1.0 INTRODUCTION

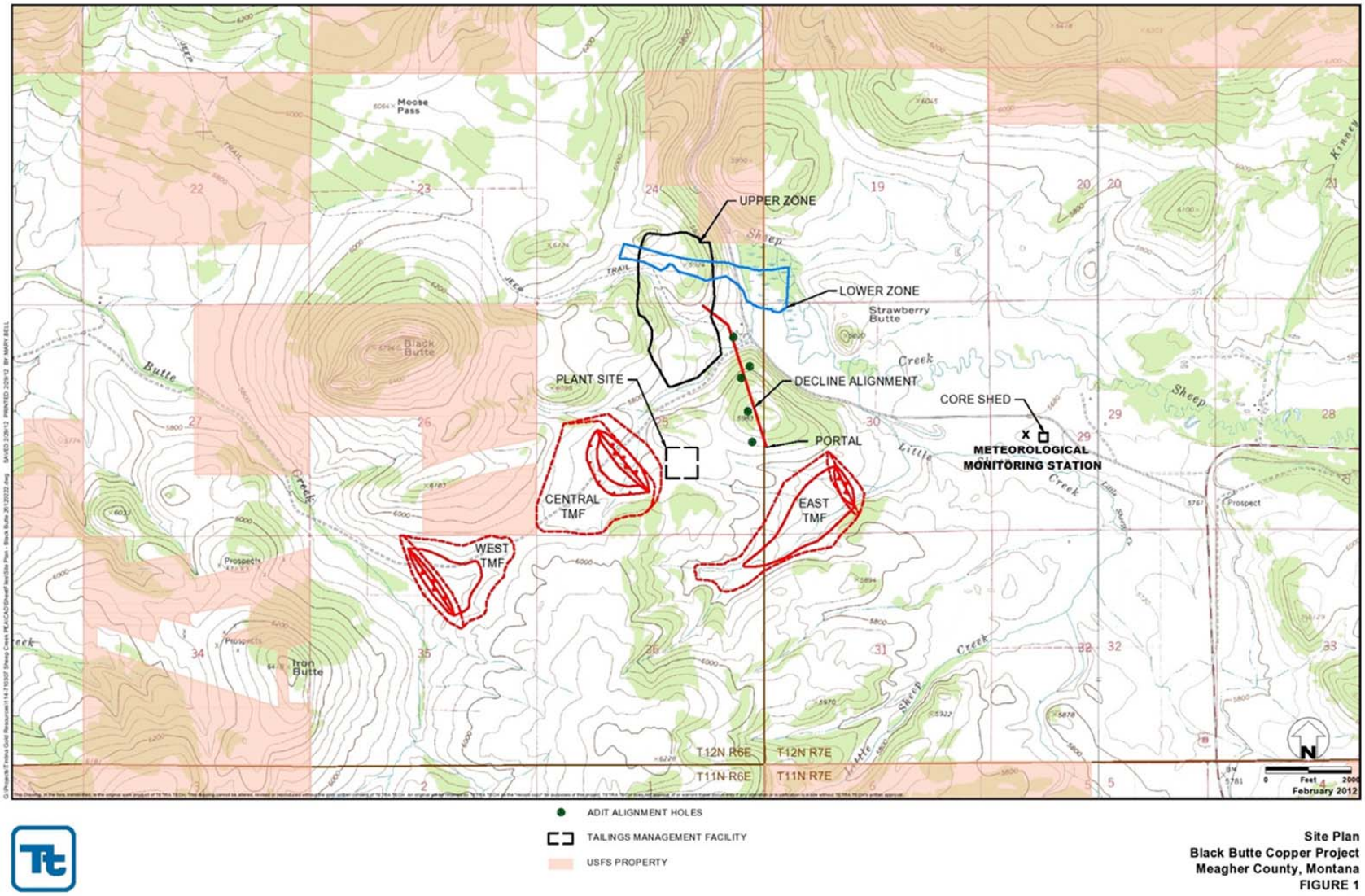
Tintina Resources, Inc. established an ambient air monitoring site to measure wind speed, wind direction, standard deviation of wind direction, temperature at 9 meters and 2 meters, delta temperature, solar radiation, barometric pressure, and precipitation. The station was established to accurately characterize the local meteorology and collect baseline data in support of an operating permit application and various environmental studies.

The meteorological monitoring system was installed in April 2012. The site is operated by Bison Engineering, Inc., of Helena and Billings. Figure 1 shows the location of the monitoring site.

This report presents the data collected during the third quarter (July through September) of 2015. In addition, a description of the monitoring system operations is presented, together with summaries of quality assurance activities, including calibrations and performance audits. Tabular summaries of the data completeness achieved and the periods of missing data also are presented. Appendix A presents hourly meteorological data collected.

On June 23, 2015, an evaporation pan and manual precipitation gauge were installed adjacent to the existing meteorological system. The evaporation data will be used for hydrological / water balance studies. The manual rain gauge was installed to provide a backup data source for the existing automatic rain gauge, which has experienced occasional mechanical problems. Also, the automatic rain gauge is sometimes unreliable for measuring frozen precipitation.

Figure 1. Monitoring Site Location



2.0 MONITORING SYSTEM OPERATIONS

The installation of the monitoring meteorological system equipment took place in April 2012, soon after the equipment was received from the manufacturers. The installation and calibration of the equipment required about two weeks to complete. All meteorological parameters were in full operation and producing valid data by April 30, 2012.

Steve Heck of Bison conducted performance audits of the meteorological system on September 8, 2015, and made any necessary calibration adjustments to the meteorological system following the audits. The Bison report of the audits is presented in Appendix B.

Manual measurements of evaporation and precipitation were recorded by Tintina's on-site personnel two to three times per week.

3.0 CALIBRATION DATA

As discussed in Section 4.0, the system's as-found condition was audited on September 8, 2015. See audit form in Appendix B for the results of the calibration.

The aspirator's fans were replaced following the audit as part of the preventive maintenance program.

4.0 PERFORMANCE AUDIT DATA

Steve Heck of Bison conducted performance audits of the meteorological system on September 8, 2015, and made any necessary calibration adjustments to the meteorological system following the audits. The Bison report of the audits is presented in Appendix B.

5.0 DATA COMPLETENESS

The meteorological percentages of data recovery achieved during the third quarter of 2015 are given in Tables 1 and 2. In these tables, the number of possible data values during each month of the quarter is given, together with the number of valid readings and the number of hours spent on quality assurance activities (such as calibrations, performance audits, and maintenance on the sensors). The quality assurance hours are added to the number of hours of valid data to compute the net percentage data recovery.

During the third quarter the net percentage data recovery was 99.9 percent for wind speed and 100.0 percent for all other parameters at the site. The loss of data was due to the wind speed cups being frozen in place because of weather.

Table 1. Monthly Data Completeness

July 2015					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	744	100.0	0	100.0
Wind Direction	744	744	100.0	0	100.0
Standard Deviation	744	744	100.0	0	100.0
Temperature 9 Meters	744	744	100.0	0	100.0
Temperature 2 Meters	744	744	100.0	0	100.0
Temperature Delta T	744	744	100.0	0	100.0
Solar Radiation	744	744	100.0	0	100.0
Barometric Pressure	744	744	100.0	0	100.0
Relative Humidity	744	744	100.0	0	100.0
Precipitation	744	744	100.0	0	100.0
Total	7,440	7,440	100.0	0	100.0

Table 1. Monthly Data Completeness (Continued)

August 2015					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	744	100.0	0	100.0
Wind Direction	744	744	100.0	0	100.0
Standard Deviation	744	744	100.0	0	100.0
Temperature 9 Meters	744	744	100.0	0	100.0
Temperature 2 Meters	744	744	100.0	0	100.0
Temperature Delta T	744	744	100.0	0	100.0
Solar Radiation	744	744	100.0	0	100.0
Barometric Pressure	744	744	100.0	0	100.0
Relative Humidity	744	744	100.0	0	100.0
Precipitation	744	744	100.0	0	100.0
Total	7,440	7,440	100.0	0	100.0

Table 1. Monthly Data Completeness (Continued)

September 2015					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	720	712	98.9	5	99.6
Wind Direction	720	715	99.3	5	100.0
Standard Deviation	720	715	99.3	5	100.0
Temperature 9 Meters	720	715	99.3	5	100.0
Temperature 2 Meters	720	715	99.3	5	100.0
Temperature Delta T	720	715	99.3	5	100.0
Solar Radiation	720	715	99.3	5	100.0
Barometric Pressure	720	715	99.3	5	100.0
Relative Humidity	720	715	99.3	5	100.0
Precipitation	720	715	99.3	5	100.0
Total	7,200	7,147	99.3	50	100.0

Table 2. Quarterly Data Completeness

Third Quarter 2015					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	2,208	2,200	99.6	5	99.9
Wind Direction	2,208	2,203	99.8	5	100.0
Standard Deviation	2,208	2,203	99.8	5	100.0
Temperature 9 Meters	2,208	2,203	99.8	5	100.0
Temperature 2 Meters	2,208	2,203	99.8	5	100.0
Temperature Delta T	2,208	2,203	99.8	5	100.0
Solar Radiation	2,208	2,203	99.8	5	100.0
Barometric Pressure	2,208	2,203	99.8	5	100.0
Relative Humidity	2,208	2,203	99.8	5	100.0
Precipitation	2,208	2,203	99.8	5	100.0
Total	22,080	22,027	99.8	50	100.0

Table 3. Periods of Missing Data

Third Quarter 2015						
Starting Date/Hour	Ending Date/Hour	Site	Parameter	Total Hours	Percent of Month	Circumstance
Sept 17/5	Sept 17/7	Met Tower	Wind Speed	3	0.14	Missing data: Cups frozen in place.

6.0 MONITORING DATA

The hourly data values collected at the monitoring sites are given in the data tables in Appendix A. Each of these tables presents one month's data for one parameter in the monitoring system. In addition, the average, maximum, and minimum values for each parameter for each day are listed (for wind direction, the prevailing wind direction for the day is given). For those hours with missing data, a code is given that explains the reason the data were missing. These codes are given in Table 4.

Monthly and quarterly wind rose distributions from the monitoring site are presented in Tables 5 through 8. These tables give the percentage frequency of occurrence of winds from 16 cardinal directions and from 22 wind speed ranges. These same data are presented graphically in Figures 2 through 5. In the wind rose figures, the length of each "petal" of the rose is proportional to the percentage of time the wind blew from that direction. On the bottom of each figure is a histogram showing the average wind speed from each of the cardinal wind directions.

A separate compilation of data collected from the evaporation pan and manual rain gauge is presented in Appendix C. For comparison purposes, the precipitation amounts reported by the automatic rain gauge over the same time periods are provided. Overall, the precipitation amounts obtained from the manual gauge were similar to those reported by the automated rain gauge.

Table 4. Missing Data Codes

Mnemonic Code	Description	Equivalent EPA Null Value Reason Code
Sc	Scheduled but not collected	9972
Ti	Sample time out of limits	9973
Fi	Filter damage	9976
Op	Voided by operator	9978
ND	Machine malfunction	9980
Wx	Bad weather	9981
Co	Collection error	9983
Lb	Lab error	9984
QA	Poor quality assurance results	9985
Pwr	Power failure	9988
Wi	Wildlife damage	9989
AZ	Automatic zero/span check	9991
ZS	Manual zero/span check	9986
Au	Performance audit	9992
Ma	Routine maintenance/repairs	9993
Ca	Multipoint calibration	9995
PZ	Precision/zero/span	9998

Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

July 2015																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.1	0.9	0.7	0.9	0.7	1.1	1.6	0.5	0.1	0.0	0.3	0.0	0.3	0.0	0.9	1.2	10.3
	1.1 - 2.0	0.7	1.1	2.3	3.4	4.6	5.2	3.6	1.3	0.5	0.0	0.4	0.5	0.5	1.2	1.2	0.7	27.3
	2.1 - 3.0	0.8	0.4	0.3	1.9	4.0	3.2	0.9	0.5	0.8	0.3	0.5	0.7	0.9	1.7	3.0	0.9	21.0
	3.1 - 4.0	0.3	0.1	0.0	0.9	1.9	0.4	0.5	0.5	0.7	0.3	0.5	1.2	2.4	3.9	2.3	1.2	17.2
	4.1 - 5.0	0.3	0.1	0.1	0.0	0.5	0.0	0.3	0.5	0.4	0.1	0.3	1.1	2.6	2.4	1.3	0.1	10.2
	5.1 - 6.0	0.0	0.1	0.1	0.0	0.0	0.0	0.3	0.0	0.4	0.1	0.3	1.2	2.4	1.1	0.7	0.0	6.7
	6.1 - 7.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	1.5	0.3	0.7	0.3	3.1
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.4	0.3	0.1	2.4
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.1	0.4	0.7	1.7
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	3.1	3.0	3.5	7.1	11.7	9.9	7.3	3.5	3.0	0.8	2.6	5.0	12.5	11.2	10.8	5.2	100.0
	Average Speed	2.0	2.0	1.7	2.0	2.3	1.9	1.9	2.3	3.1	3.7	3.4	4.2	4.9	3.8	3.5	3.4	3.0

Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

August 2015																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.5	1.3	1.5	1.3	2.4	0.9	0.8	0.8	0.7	0.1	0.3	0.0	0.4	0.4	0.5	1.2	14.2
	1.1 - 2.0	1.2	0.7	1.7	3.2	6.2	6.6	4.2	2.0	0.5	0.3	0.5	0.1	0.7	0.1	0.5	0.9	29.6
	2.1 - 3.0	0.4	0.3	0.3	2.7	3.8	2.8	0.8	0.5	0.7	0.3	0.5	0.7	0.8	0.4	0.9	0.5	16.4
	3.1 - 4.0	0.0	0.0	0.0	1.2	1.7	0.0	1.2	0.4	0.4	0.4	0.5	1.2	3.5	2.3	1.1	0.5	14.5
	4.1 - 5.0	0.0	0.1	0.0	0.1	0.7	0.1	0.5	0.5	0.1	0.3	1.1	0.9	1.3	0.5	1.6	0.1	8.2
	5.1 - 6.0	0.1	0.0	0.0	0.0	0.1	0.0	0.9	0.4	0.0	0.1	0.3	1.3	1.2	0.8	1.7	0.4	7.5
	6.1 - 7.0	0.1	0.1	0.0	0.1	0.0	0.0	0.7	0.4	0.3	0.0	0.3	0.3	0.9	0.7	0.8	0.1	4.8
	7.1 - 8.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.1	0.3	1.3	0.7	0.1	0.0	3.1
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.1	0.5	0.3	0.0	0.0	1.3
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.3
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	3.4	2.7	3.5	8.7	14.9	10.5	9.4	5.4	2.7	1.7	3.6	5.0	10.9	6.3	7.4	3.9	100.0
	Average Speed	1.6	1.8	1.2	2.1	2.1	1.8	2.9	2.9	2.6	3.8	3.7	4.6	4.7	4.6	4.2	2.3	3.0

Table 7. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

September 2015																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.8	1.8	1.3	2.4	1.7	2.7	1.8	0.8	1.1	0.1	0.1	0.6	0.1	0.6	0.4	1.4	17.8
	1.1 - 2.0	1.0	0.6	1.1	3.2	6.0	4.4	4.6	2.2	1.1	0.4	0.1	1.0	1.0	1.0	1.0	0.6	29.4
	2.1 - 3.0	0.3	0.0	0.3	1.0	3.2	1.3	0.6	1.3	0.7	0.0	0.6	0.8	1.0	1.4	1.4	0.3	14.0
	3.1 - 4.0	0.1	0.0	0.0	0.6	1.3	0.6	0.4	0.7	0.6	0.3	0.1	1.0	2.7	2.2	1.3	0.4	12.2
	4.1 - 5.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	1.1	0.6	0.4	0.7	1.4	1.3	1.7	0.7	0.1	8.4
	5.1 - 6.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.8	0.1	0.0	0.4	1.7	2.8	1.4	0.3	0.0	7.7
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.7	0.8	1.3	0.4	0.3	0.0	4.4
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.1	1.0	1.1	0.6	0.1	0.0	3.4
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	1.1	0.1	0.0	0.0	1.4
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	0.0	0.0	0.0	1.0
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	2.4	2.4	2.7	7.4	12.4	8.8	7.4	7.6	4.5	1.7	3.2	8.6	13.2	9.4	5.5	2.8	100.0
	Average Speed	1.6	0.9	1.3	1.6	1.9	1.6	1.5	3.0	2.5	4.0	4.9	4.5	5.2	3.9	3.2	1.6	2.9

Table 8. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower

Third Quarter 2015																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.1	1.4	1.1	1.5	1.6	1.5	1.4	0.7	0.6	0.1	0.2	0.2	0.3	0.3	0.6	1.3	14.1
	1.1 - 2.0	1.0	0.8	1.7	3.3	5.6	5.4	4.1	1.9	0.7	0.2	0.4	0.5	0.7	0.8	0.9	0.7	28.7
	2.1 - 3.0	0.5	0.2	0.3	1.9	3.7	2.5	0.8	0.8	0.7	0.2	0.5	0.7	0.9	1.2	1.8	0.6	17.2
	3.1 - 4.0	0.1	0.0	0.0	0.9	1.6	0.3	0.7	0.5	0.5	0.3	0.4	1.1	2.9	2.8	1.5	0.7	14.7
	4.1 - 5.0	0.1	0.1	0.0	0.1	0.5	0.0	0.3	0.7	0.4	0.3	0.7	1.1	1.7	1.5	1.2	0.1	9.0
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.1	0.3	1.4	2.1	1.1	0.9	0.1	7.3
	6.1 - 7.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.3	0.2	0.0	0.4	0.4	1.2	0.5	0.6	0.1	4.1
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.1	0.4	1.4	0.5	0.2	0.0	3.0
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.6	0.2	0.1	0.2	1.5
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.4
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	3.0	2.7	3.2	7.8	13.0	9.8	8.0	5.5	3.4	1.4	3.1	6.1	12.2	9.0	7.9	4.0	100.0
	Average Speed	1.7	1.6	1.4	1.9	2.1	1.7	2.2	2.8	2.7	3.9	4.0	4.4	4.9	4.0	3.6	2.6	3.0

Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower

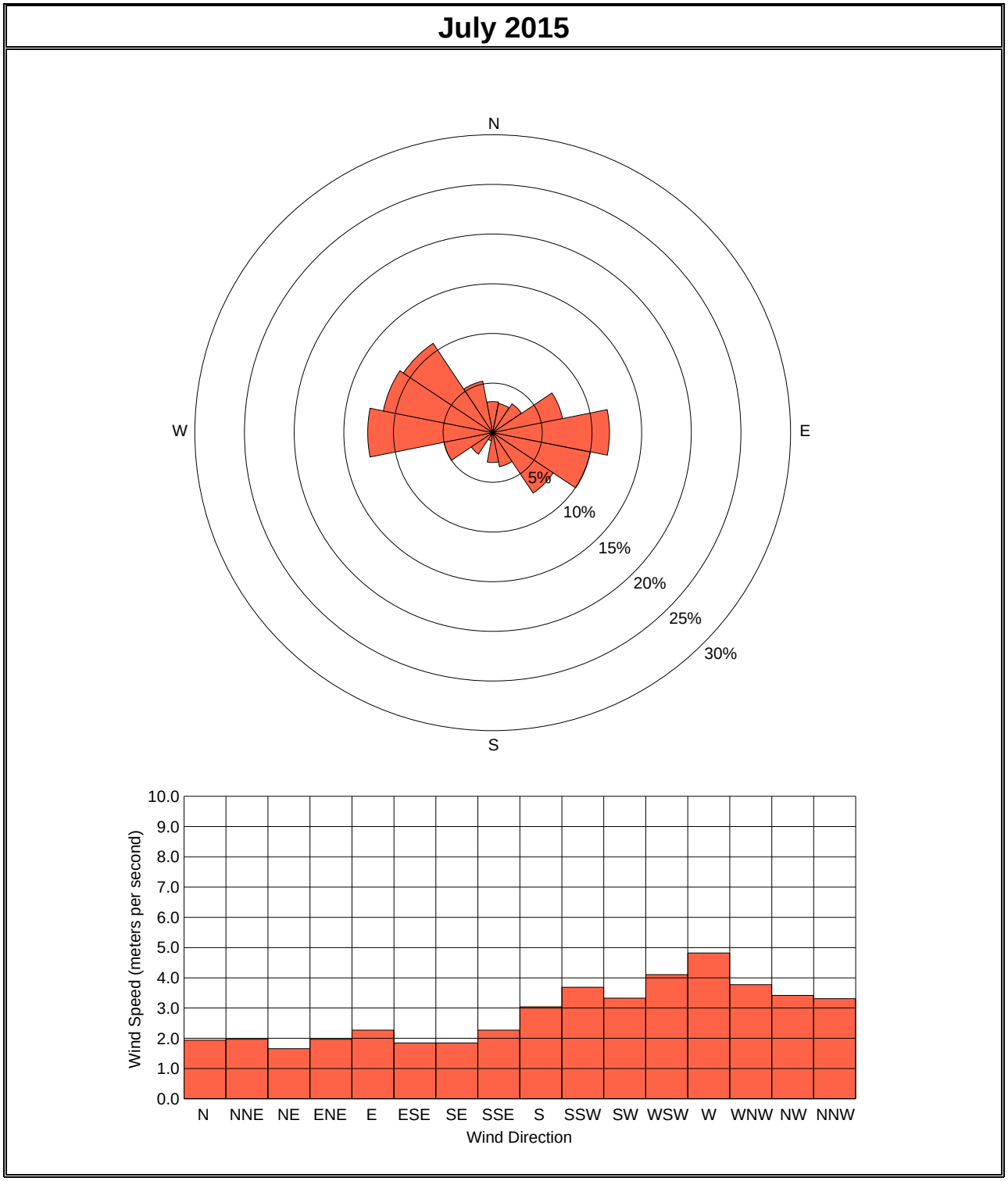


Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower

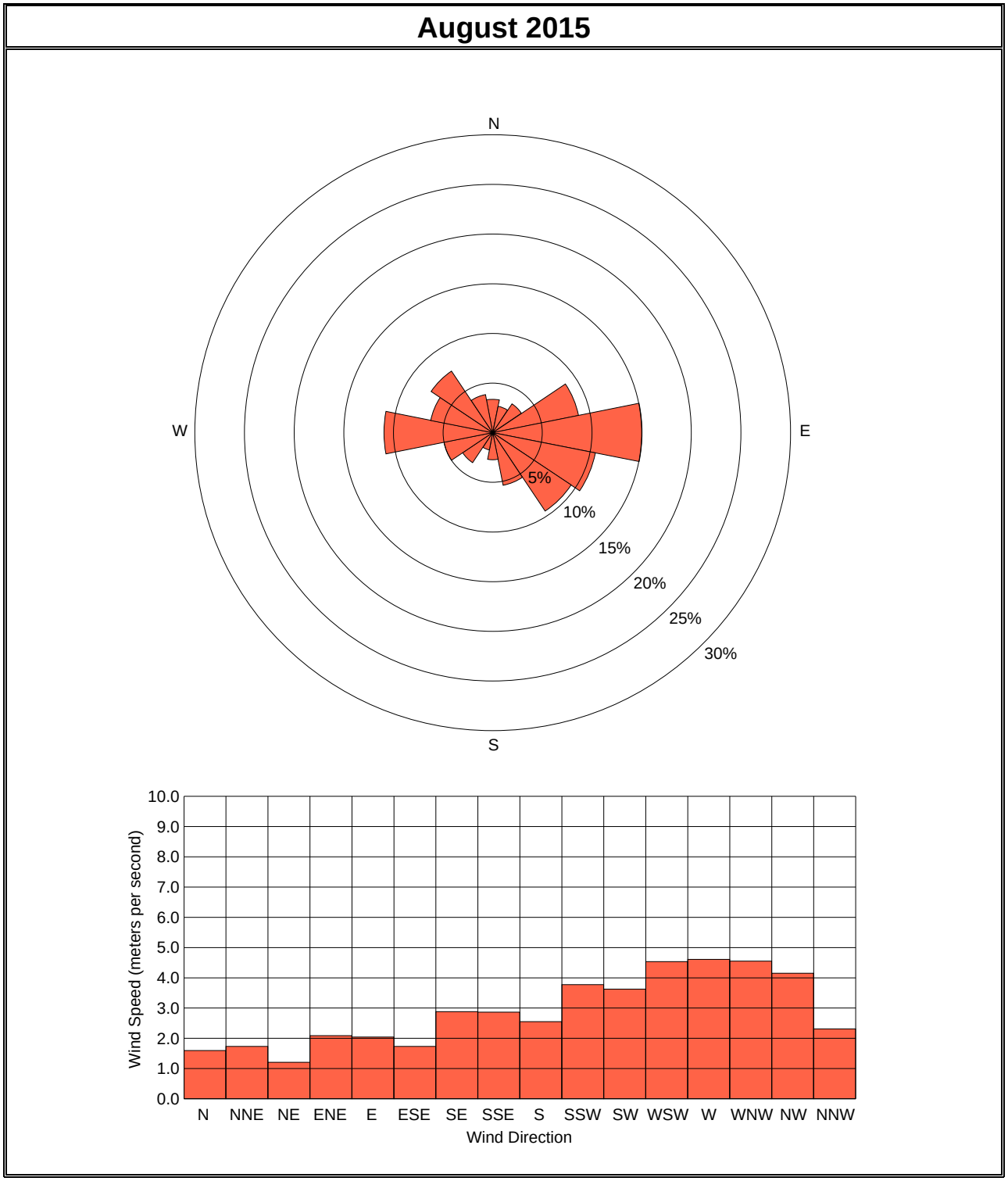


Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower

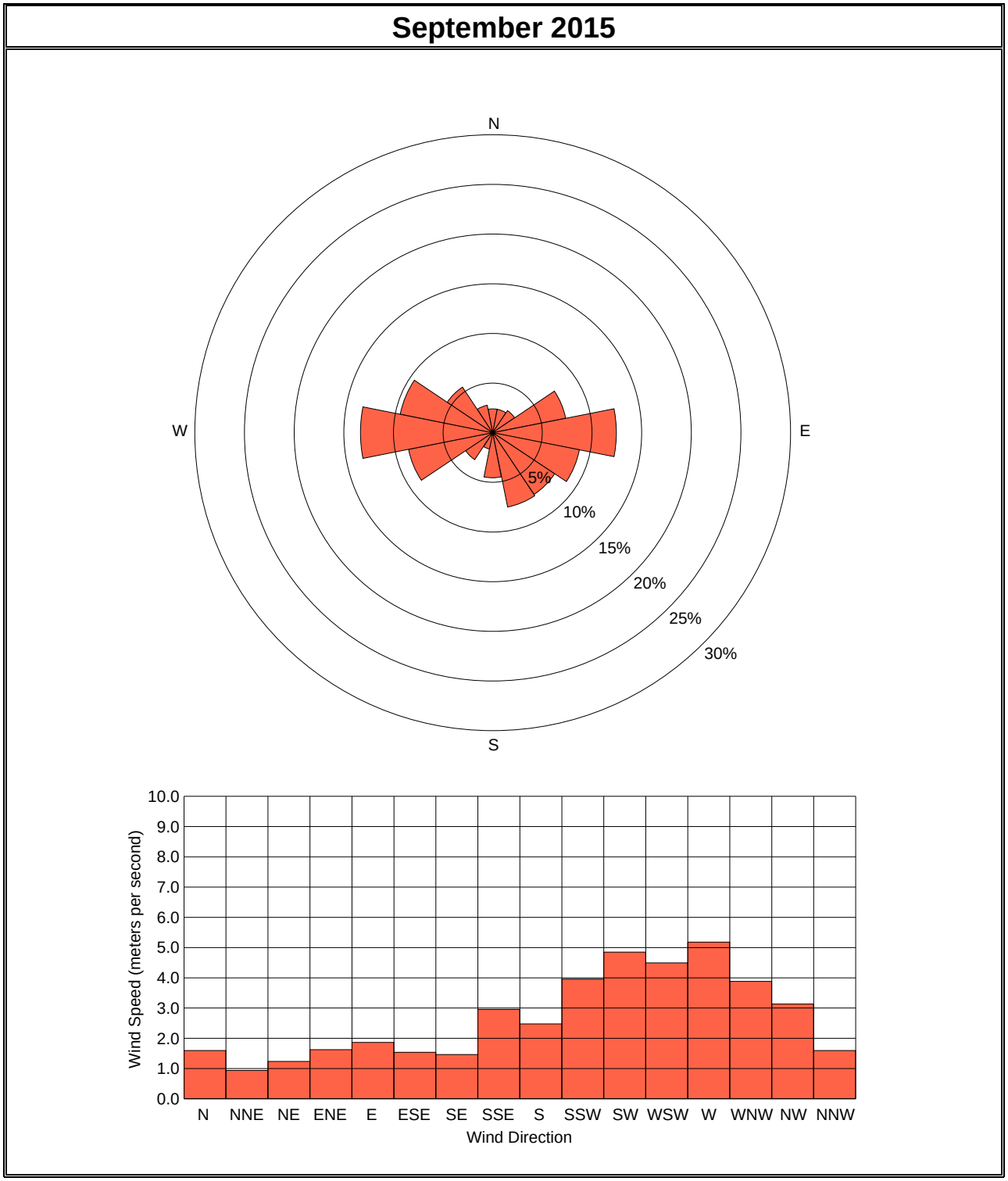
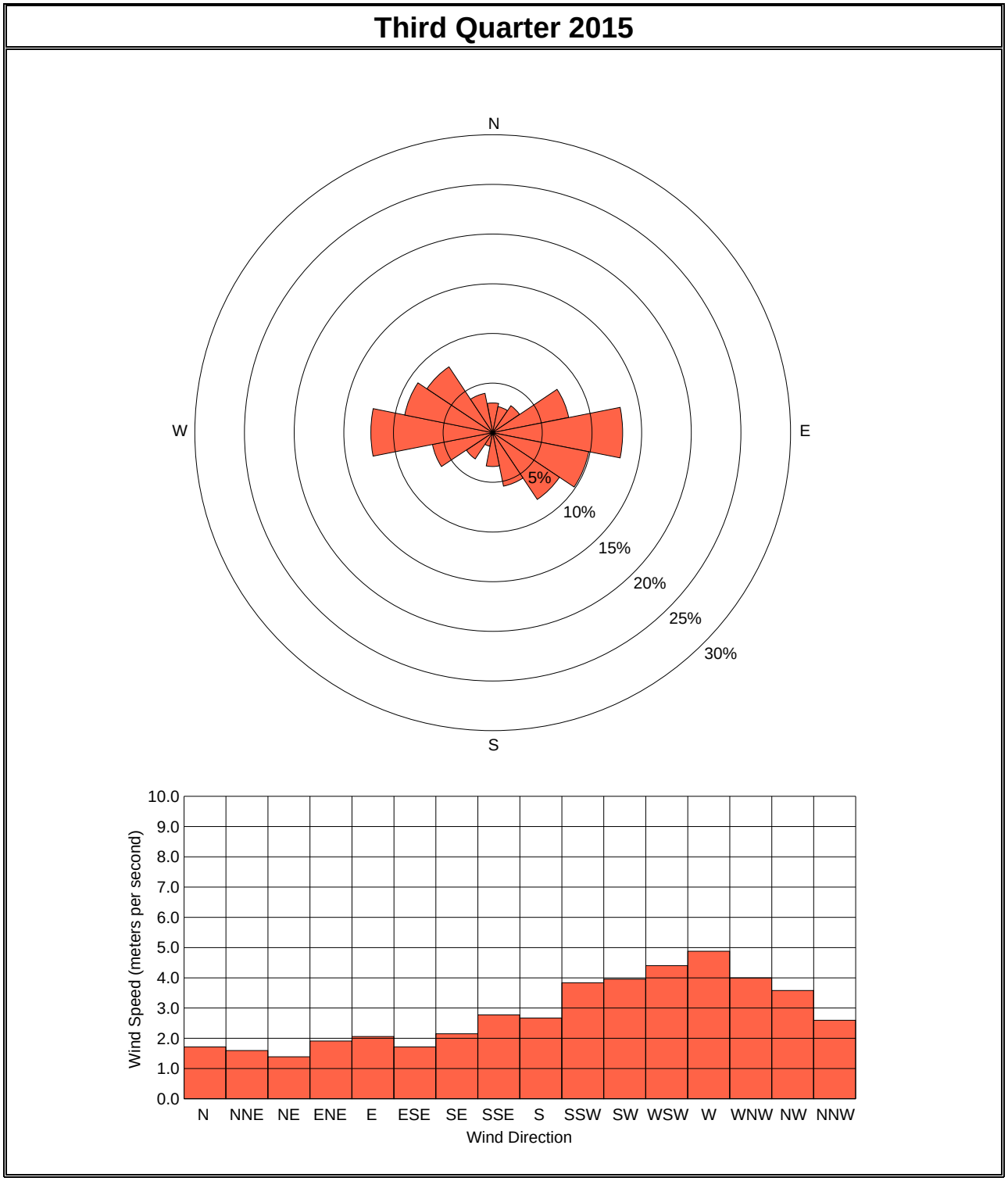


Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower



APPENDIX A: HOURLY AIR QUALITY AND METEOROLOGICAL DATA, THIRD QUARTER 2015

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
July 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.1	1.0	1.0	1.2	1.1	0.9	0.6	0.7	1.5	3.9	4.1	4.9	4.5	4.9	4.1	3.1	3.2	6.2	5.9	4.7	1.6	3.0	1.7	1.1	2.8	6.2	0.6
2	1.3	1.4	0.8	0.6	1.1	0.7	0.7	0.8	1.1	1.3	2.2	2.8	3.3	3.7	2.7	2.8	2.8	3.2	4.0	3.6	3.6	1.8	2.6	2.8	2.2	4.0	0.6
3	1.8	3.2	1.8	1.5	1.9	1.3	0.9	0.6	0.9	1.2	1.9	3.4	3.5	3.0	2.4	2.8	2.4	2.1	2.3	1.3	2.1	2.0	1.4	1.5	2.0	3.5	0.6
4	1.2	1.0	1.0	0.9	1.4	0.9	0.6	0.7	1.2	3.3	3.7	3.0	3.6	2.9	2.7	2.2	3.8	3.7	2.8	2.6	2.1	2.1	1.3	3.3	2.2	3.8	0.6
5	5.8	8.7	6.8	6.5	4.2	2.3	3.2	3.5	3.1	3.1	3.9	3.5	2.8	3.3	3.5	2.2	2.8	1.8	3.3	2.3	3.4	2.0	1.4	1.7	3.5	8.7	1.4
6	2.1	0.9	0.9	0.9	0.8	1.1	1.5	1.4	4.0	4.1	4.0	4.8	4.3	4.0	2.0	1.5	2.2	2.3	2.3	2.0	1.5	1.5	1.3	0.9	2.2	4.8	0.8
7	1.0	1.7	1.7	1.2	1.1	1.0	1.3	0.5	1.9	4.1	4.7	1.5	1.8	2.3	5.8	4.2	5.0	3.5	2.2	1.9	1.4	1.7	1.2	1.7	2.3	5.8	0.5
8	1.4	1.8	1.3	1.0	0.5	1.3	0.6	0.7	1.5	2.6	2.6	2.9	2.4	2.2	2.2	2.6	3.4	4.9	5.8	5.1	3.2	1.3	1.2	1.5	2.3	5.8	0.5
9	1.6	1.6	2.3	2.4	2.3	2.0	1.1	0.5	0.8	1.1	1.9	1.7	2.0	2.6	2.2	2.4	2.6	2.2	2.6	1.8	3.4	1.8	3.2	4.5	2.1	4.5	0.5
10	3.8	2.4	1.7	2.1	2.9	1.8	1.0	0.7	1.9	2.6	1.9	1.9	3.0	4.4	4.5	3.3	2.5	3.0	2.1	1.1	2.6	3.4	3.5	2.4	2.5	4.5	0.7
11	2.7	3.0	1.5	1.4	1.6	1.8	1.8	3.1	3.1	2.0	2.2	3.8	3.1	3.2	5.9	4.0	5.0	5.7	6.0	4.0	1.7	1.4	1.4	1.1	2.9	6.0	1.1
12	1.1	1.3	1.7	1.3	2.3	2.0	5.4	6.0	7.3	7.6	8.6	8.4	7.0	6.0	7.8	7.7	7.6	7.2	6.6	4.5	3.3	2.2	3.1	2.2	4.9	8.6	1.1
13	1.9	1.2	1.4	1.1	0.9	1.8	1.1	1.2	2.3	4.7	5.3	4.5	4.8	4.9	5.5	3.3	3.2	3.1	1.5	7.6	2.4	2.6	1.4	1.8	2.9	7.6	0.9
14	1.4	1.1	1.1	1.5	1.8	2.3	1.2	0.9	2.5	4.5	5.2	5.2	4.5	4.3	4.6	3.9	2.9	3.5	2.4	1.7	2.7	2.6	2.6	2.4	2.8	5.2	0.9
15	2.0	1.1	1.2	1.5	1.3	1.0	0.7	1.1	1.1	1.1	2.8	3.7	4.7	4.2	3.9	3.8	4.0	1.6	1.2	3.0	1.6	2.7	2.4	2.4	2.3	4.7	0.7
16	1.8	1.8	1.5	1.3	0.9	1.0	0.6	0.9	2.4	5.5	7.2	6.8	6.1	6.7	8.1	8.8	7.6	7.6	7.0	6.3	6.9	2.9	1.4	1.9	4.3	8.8	0.6
17	1.9	1.6	1.2	0.9	0.7	0.9	0.7	4.4	8.4	7.7	7.6	7.7	7.9	8.1	8.1	8.4	8.8	9.0	8.5	7.3	5.9	6.1	5.5	4.4	5.5	9.0	0.7
18	3.8	3.5	2.6	3.8	2.6	3.1	3.7	3.8	4.2	3.5	3.4	3.4	3.4	3.4	3.0	3.5	3.5	2.6	1.8	1.1	2.6	2.7	2.6	1.9	3.1	4.2	1.1
19	1.8	0.8	1.0	1.0	1.1	0.8	0.8	0.6	3.5	4.2	4.5	4.1	4.0	3.8	3.8	2.6	3.1	2.3	3.7	3.2	0.9	1.1	2.0	2.1	2.4	4.5	0.6
20	1.5	1.9	2.0	1.5	2.0	1.6	1.0	0.7	1.4	2.8	3.0	3.3	3.8	3.4	4.4	4.1	4.5	5.1	3.7	3.8	4.0	4.5	2.1	1.6	2.8	5.1	0.7
21	2.3	2.4	3.4	2.2	1.7	1.6	1.0	0.9	1.8	3.6	4.0	4.9	4.2	5.1	5.3	5.7	6.3	5.0	3.5	2.6	2.9	3.4	2.6	3.0	3.3	6.3	0.9
22	3.3	2.4	1.8	2.0	1.5	0.9	1.3	1.2	0.8	1.5	1.8	1.9	4.2	4.2	6.1	2.6	2.6	4.0	5.6	4.5	2.0	2.9	2.6	1.4	2.6	6.1	0.8
23	1.4	1.2	1.6	2.1	1.3	1.1	0.4	0.6	4.5	3.4	3.3	3.9	3.1	4.1	3.5	3.3	8.9	5.8	2.3	2.0	1.8	3.2	2.4	2.7	2.8	8.9	0.4
24	2.6	2.7	2.7	2.2	1.7	2.1	0.9	1.1	1.1	3.0	4.8	5.5	5.6	5.7	4.1	2.8	3.5	4.2	3.6	2.5	4.6	3.1	3.2	2.9	3.2	5.7	0.9
25	2.5	2.8	2.5	1.6	1.5	1.5	1.4	1.1	1.2	4.6	5.3	4.8	5.0	5.9	4.3	6.2	5.0	5.1	2.3	3.1	2.7	3.4	2.6	2.6	3.3	6.2	1.1
26	1.8	1.5	1.3	1.7	0.9	0.7	1.0	1.3	0.9	3.4	5.2	4.4	4.6	4.1	7.5	6.5	3.3	2.3	4.4	3.1	2.9	2.2	2.2	1.5	2.9	7.5	0.7
27	1.6	2.5	1.5	5.0	2.9	3.0	3.7	2.5	4.1	2.4	4.6	7.4	5.0	3.3	2.3	3.8	4.2	4.7	5.4	5.7	5.7	5.3	5.2	5.6	4.1	7.4	1.5
28	5.6	5.8	5.8	5.4	3.4	2.8	2.4	2.9	3.6	5.4	6.4	6.8	6.4	5.7	6.1	6.0	7.0	7.1	6.4	4.8	1.8	2.7	2.9	2.3	4.8	7.1	1.8
29	1.9	1.3	1.3	1.3	1.1	1.4	1.0	0.9	3.1	5.4	5.2	4.8	6.1	5.5	5.4	5.2	5.0	5.5	4.2	3.2	2.7	4.1	2.3	2.1	3.3	6.1	0.9
30	1.5	1.7	1.3	1.3	1.2	0.5	0.9	0.8	0.5	2.1	3.6	3.8	3.5	3.7	2.5	3.1	3.2	2.7	1.3	1.4	3.3	3.8	3.0	1.6	2.2	3.8	0.5
31	0.9	0.7	1.2	2.1	1.8	1.5	1.1	0.9	0.7	1.9	4.3	4.4	3.9	3.4	3.7	4.4	4.0	3.3	2.6	1.1	2.8	4.1	3.3	2.5	2.5	4.4	0.7
Avg	2.1	2.1	1.9	2.0	1.7	1.5	1.4	1.5	2.5	3.5	4.2	4.3	4.3	4.3	4.5	4.1	4.3	4.2	3.8	3.3	2.9	2.8	2.4	2.3	3.0	6.0	0.8
Max	5.8	8.7	6.8	6.5	4.2	3.1	5.4	6.0	8.4	7.7	8.6	8.4	7.9	8.1	8.1	8.8	8.9	9.0	8.5	7.6	6.9	6.1	5.5	5.6	5.5	9.0	1.8
Min	0.9	0.7	0.8	0.6	0.5	0.5	0.4	0.5	0.5	1.1	1.8	1.5	1.8	2.2	2.0	1.5	2.2	1.6	1.2	1.1	0.9	1.1	1.2	0.9	2.0	3.5	0.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
August 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.9	1.7	1.2	0.9	1.1	1.5	0.6	0.6	0.6	1.4	4.0	4.1	5.5	8.0	8.6	6.7	6.6	6.4	5.1	1.7	3.1	3.7	2.7	2.3	3.3	8.6	0.6
2	1.8	1.2	0.8	0.9	0.9	0.6	0.5	0.5	0.8	1.7	2.7	3.3	3.4	3.0	2.4	2.2	1.9	1.3	1.6	2.2	2.5	3.3	2.2	2.3	1.8	3.4	0.5
3	2.0	0.7	0.6	0.7	1.6	1.1	0.4	0.2	1.4	5.9	7.7	8.7	8.6	7.0	6.2	6.0	6.5	6.8	5.9	5.8	1.8	1.3	3.3	1.8	3.8	8.7	0.2
4	1.1	1.2	1.9	2.2	1.5	1.3	1.0	1.4	1.2	1.4	1.1	3.4	2.7	2.2	3.0	4.6	2.0	2.8	1.8	1.6	2.4	5.0	4.2	2.4	2.2	5.0	1.0
5	3.9	2.7	2.2	3.2	1.7	1.4	1.2	0.6	0.7	1.6	2.2	3.7	2.9	3.1	4.0	6.8	6.1	3.8	2.3	1.7	1.6	1.1	1.7	1.5	2.6	6.8	0.6
6	1.8	1.5	1.5	1.1	1.5	1.4	0.6	0.8	4.6	7.5	7.2	7.8	8.3	7.4	7.1	8.6	8.9	9.8	7.3	5.6	5.5	2.8	4.2	3.4	4.8	9.8	0.6
7	2.8	2.0	2.0	1.1	1.2	0.9	1.1	0.6	3.6	5.2	4.0	5.2	4.3	3.2	3.4	2.9	1.8	1.4	3.0	3.3	2.9	1.0	2.1	1.5	2.5	5.2	0.6
8	2.7	1.9	2.2	1.4	1.4	0.7	1.1	1.4	5.1	6.0	4.6	3.4	2.5	5.2	5.1	4.7	4.8	3.8	3.3	2.1	2.0	1.9	2.1	1.8	3.0	6.0	0.7
9	1.8	1.6	1.6	0.9	0.6	0.9	0.6	0.7	1.2	2.4	3.2	3.9	3.7	3.6	3.4	3.6	2.9	1.9	2.2	2.0	2.6	2.9	2.1	2.4	2.2	3.9	0.6
10	0.9	1.2	1.6	2.5	2.6	1.9	1.7	1.1	1.5	3.5	4.1	3.0	3.8	2.5	4.5	4.2	4.7	4.9	4.7	3.5	5.6	4.4	1.5	2.6	3.0	5.6	0.9
11	2.3	1.8	0.8	0.6	0.8	1.1	1.0	0.5	0.5	1.1	2.8	3.1	3.2	4.3	3.4	3.1	2.8	0.9	0.8	2.5	2.8	1.5	1.8	1.6	1.9	4.3	0.5
12	0.9	0.6	0.6	0.7	0.8	0.5	0.4	0.5	1.0	1.0	2.9	3.3	4.1	1.7	3.3	4.3	3.9	2.8	2.6	3.8	2.6	2.3	3.5	2.6	2.1	4.3	0.4
13	2.7	2.9	2.3	1.9	1.7	1.8	1.0	0.9	0.9	1.7	1.8	2.3	3.9	4.4	4.2	4.6	3.6	3.3	2.4	2.2	2.2	1.7	1.6	1.1	2.4	4.6	0.9
14	1.3	1.3	1.4	1.4	1.7	1.7	1.7	1.0	0.7	2.8	8.1	6.7	4.1	6.6	7.8	5.9	5.0	5.2	5.3	4.0	2.3	1.2	2.9	1.6	3.4	8.1	0.7
15	2.0	1.5	1.2	2.7	2.0	1.5	3.3	3.9	5.3	9.0	8.8	8.0	7.9	7.5	6.3	7.1	6.3	6.7	5.5	4.2	1.7	1.1	1.7	1.6	4.4	9.0	1.1
16	1.4	1.3	1.2	1.1	1.0	1.9	1.8	1.8	2.4	3.5	3.7	2.4	3.4	4.0	4.6	3.5	3.7	2.4	2.5	2.4	2.6	2.8	1.2	1.3	2.4	4.6	1.0
17	1.2	1.2	1.1	0.9	0.9	0.7	0.7	0.6	0.6	1.9	2.7	1.3	6.4	5.0	5.7	5.0	4.7	2.6	2.1	2.0	3.6	3.1	2.7	1.9	2.4	6.4	0.6
18	2.5	2.1	1.2	1.6	1.3	1.5	1.0	0.7	5.2	5.2	4.3	4.8	5.2	5.5	5.1	4.7	4.8	3.8	3.4	2.0	1.7	2.7	2.2	2.3	3.1	5.5	0.7
19	1.3	1.6	1.3	0.9	1.4	1.3	0.7	0.6	0.7	1.4	3.2	4.8	5.2	5.8	6.4	6.1	5.2	4.6	4.2	3.7	1.8	3.5	3.0	1.8	2.9	6.4	0.6
20	1.5	1.2	1.3	0.9	0.9	1.0	0.7	0.5	0.4	1.6	3.1	3.2	4.0	5.3	6.2	6.1	5.5	4.4	2.3	1.3	1.5	2.8	2.1	1.6	2.5	6.2	0.4
21	1.6	1.0	0.7	1.0	1.3	1.2	1.4	0.6	0.4	3.1	6.9	5.1	6.2	8.2	5.8	7.4	7.1	7.9	7.7	6.9	7.1	5.8	5.2	4.0	4.3	8.2	0.4
22	5.4	5.7	5.5	4.5	4.2	4.9	6.4	5.3	4.0	4.6	4.7	6.0	5.9	6.1	5.1	5.2	4.3	3.6	3.1	1.5	3.0	3.7	3.5	2.3	4.5	6.4	1.5
23	1.9	1.8	1.9	1.8	1.9	1.2	1.5	0.4	0.4	0.3	1.3	3.8	3.8	4.0	3.6	2.2	3.5	2.8	2.3	2.0	2.3	2.2	1.3	1.3	2.1	4.0	0.3
24	2.1	1.6	1.6	1.6	1.9	1.7	1.3	0.6	0.4	1.4	1.1	1.8	3.2	4.3	4.2	4.0	4.4	3.0	1.7	1.1	2.3	3.5	2.8	1.9	2.2	4.4	0.4
25	1.4	1.3	0.7	0.6	1.1	1.2	0.9	0.3	0.4	0.4	1.5	2.8	4.2	4.6	5.2	5.6	4.5	3.7	1.4	3.9	1.4	1.3	0.8	0.9	2.1	5.6	0.3
26	1.7	1.3	1.3	0.7	1.3	0.6	1.1	0.8	0.5	0.8	2.7	3.3	4.2	3.9	3.1	3.3	3.0	2.5	4.0	3.6	2.5	2.7	2.1	1.8	2.2	4.2	0.5
27	1.4	1.0	1.2	1.2	1.0	0.9	3.1	2.4	1.5	1.9	1.6	1.7	1.7	3.6	4.6	4.0	3.2	2.6	1.1	3.1	3.3	3.0	2.0	2.6	2.2	4.6	0.9
28	2.3	2.2	1.6	1.5	1.1	1.0	1.2	0.7	0.6	0.8	3.5	3.2	4.1	4.0	4.2	3.3	4.3	2.9	1.3	3.0	1.7	1.6	1.7	1.6	2.2	4.3	0.6
29	1.8	1.1	0.8	1.8	1.1	1.4	1.2	0.7	0.8	4.0	5.2	6.2	6.3	5.8	6.5	6.6	7.3	6.7	3.3	3.0	4.1	2.4	2.5	2.4	3.5	7.3	0.7
30	1.3	1.8	2.7	2.0	1.4	3.5	2.7	3.5	2.0	3.8	6.3	4.7	3.8	7.1	7.2	6.2	6.3	4.7	9.3	4.7	7.2	7.0	6.4	3.6	4.6	9.3	1.3
31	5.7	6.7	5.3	2.3	5.6	4.0	2.1	3.6	6.0	8.0	5.8	6.6	6.0	5.0	5.7	5.5	6.0	5.0	4.0	2.1	3.6	3.2	1.9	1.1	4.6	8.0	1.1
Avg	2.1	1.8	1.7	1.5	1.6	1.5	1.4	1.2	1.8	3.1	4.0	4.2	4.6	4.9	5.0	5.0	4.7	4.0	3.5	3.0	2.9	2.8	2.5	2.0	3.0	6.1	0.7
Max	5.7	6.7	5.5	4.5	5.6	4.9	6.4	5.3	6.0	9.0	8.8	8.7	8.6	8.2	8.6	8.6	8.9	9.8	9.3	6.9	7.2	7.0	6.4	4.0	4.8	9.8	1.5
Min	0.9	0.6	0.6	0.6	0.6	0.5	0.4	0.2	0.4	0.3	1.1	1.3	1.7	1.7	2.4	2.2	1.8	0.9	0.8	1.1	1.4	1.0	0.8	0.9	1.8	3.4	0.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
September 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.2	1.5	1.0	1.5	1.3	1.2	1.3	0.7	2.2	5.8	5.1	4.4	5.6	6.1	5.0	4.4	4.0	3.5	1.3	2.0	2.1	2.2	1.0	4.2	2.9	6.1	0.7
2	5.4	1.7	1.1	1.9	1.1	1.6	1.4	1.0	3.4	6.9	6.4	9.1	8.8	7.2	6.0	5.6	3.6	3.9	2.9	1.6	0.9	1.2	1.1	1.0	3.5	9.1	0.9
3	1.4	1.5	1.5	1.5	1.4	1.0	2.1	1.4	3.6	4.9	4.8	5.7	4.6	3.7	4.7	5.3	6.1	3.9	4.4	5.3	2.0	1.8	1.6	2.1	3.2	6.1	1.0
4	1.1	3.2	1.1	1.1	1.1	1.3	1.2	1.9	1.5	1.2	2.1	1.0	1.3	3.6	3.9	2.8	3.3	5.3	4.7	2.1	1.7	2.0	3.2	1.7	2.2	5.3	1.0
5	2.3	2.8	1.9	1.3	2.5	4.2	3.4	3.7	3.9	4.3	4.4	6.2	4.0	4.1	2.7	2.9	6.9	6.1	2.5	2.3	2.9	2.4	0.9	2.2	3.4	6.9	0.9
6	2.2	1.5	1.4	1.2	2.0	3.1	3.3	2.6	6.3	9.7	7.7	8.1	9.1	8.0	7.4	6.7	5.7	5.8	3.3	3.0	2.8	2.2	1.5	1.4	4.4	9.7	1.2
7	2.1	1.4	3.9	1.8	2.5	2.0	2.3	2.7	4.4	5.4	8.2	9.6	8.4	7.9	6.5	5.2	5.8	5.2	4.2	2.8	1.9	3.0	2.6	2.1	4.2	9.6	1.4
8	1.7	1.2	1.2	0.9	1.0	0.8	0.5	0.6	1.9	6.4	Au	Au	Au	Au	Au	6.8	4.8	2.3	0.6	1.1	1.4	2.2	1.4	2.8	2.1	6.8	0.5
9	1.6	1.6	1.0	0.8	1.2	2.6	1.0	1.4	2.3	5.9	5.2	4.5	5.5	4.6	4.2	5.7	6.4	4.7	2.0	1.5	2.5	1.9	1.8	1.7	3.0	6.4	0.8
10	0.7	0.6	0.6	1.0	1.1	0.7	0.7	0.5	0.7	2.5	4.2	5.0	4.9	4.7	4.5	5.4	4.8	4.3	3.2	1.6	1.6	1.7	1.2	1.5	2.4	5.4	0.5
11	0.8	0.8	1.0	1.6	1.4	1.4	1.0	1.0	0.5	0.6	2.2	3.5	2.6	3.1	2.7	2.6	2.5	2.4	1.2	2.7	3.3	2.2	1.9	1.0	1.8	3.5	0.5
12	1.3	1.4	1.6	0.8	0.7	1.3	0.6	0.4	0.4	2.2	3.6	3.8	3.8	3.8	3.9	4.2	4.8	4.2	2.2	2.1	2.2	2.3	1.3	1.4	2.3	4.8	0.4
13	1.2	1.0	0.8	0.9	0.9	0.9	1.1	0.7	0.6	5.8	7.3	9.4	9.3	8.3	8.6	9.0	8.4	7.1	3.6	3.2	1.0	2.3	2.4	2.0	4.0	9.4	0.6
14	1.4	1.4	1.3	1.3	1.3	0.9	0.7	0.8	1.4	2.1	2.3	2.4	5.5	6.5	4.3	3.3	2.5	7.3	6.1	2.6	5.1	2.3	0.9	1.6	2.7	7.3	0.7
15	0.8	1.5	4.5	2.3	1.4	1.1	3.7	6.3	4.9	1.6	4.1	4.8	5.3	5.9	4.7	4.4	3.1	2.4	1.5	1.9	1.9	2.2	1.2	1.9	3.1	6.3	0.8
16	2.0	1.5	0.9	2.9	4.3	3.9	2.2	4.5	3.4	0.6	0.5	3.2	3.2	3.6	3.4	5.7	2.7	3.2	1.8	1.1	1.1	0.7	1.2	0.8	2.4	5.7	0.5
17	0.5	0.2	1.2	0.9	Wx	Wx	Wx	0.4	0.8	1.2	1.7	4.5	3.5	3.4	3.6	2.7	4.0	4.0	2.6	1.2	1.5	2.4	2.0	0.8	2.1	4.5	0.2
18	0.5	0.4	0.2	0.4	0.3	0.4	0.4	0.3	1.0	5.1	6.7	6.0	7.3	7.2	7.1	6.9	5.1	3.3	1.5	1.4	1.3	1.4	1.6	1.7	2.8	7.3	0.2
19	0.8	1.2	1.1	1.6	0.9	1.8	2.4	2.0	3.8	7.1	10.1	10.5	9.0	8.5	7.8	7.6	9.2	6.5	3.5	2.0	2.1	1.9	1.1	1.6	4.3	10.5	0.8
20	2.1	1.4	1.4	1.8	2.3	2.2	1.3	1.3	2.6	7.6	5.3	5.5	5.1	5.2	6.8	6.8	5.0	5.1	4.4	4.6	5.2	2.8	0.8	1.7	3.7	7.6	0.8
21	1.0	0.8	1.4	2.9	4.3	2.0	2.7	3.9	5.6	6.2	7.4	7.1	6.7	6.8	5.9	4.8	3.7	3.8	2.0	2.0	3.2	1.5	3.7	4.2	3.9	7.4	0.8
22	3.5	4.1	3.4	4.2	5.4	6.8	5.9	6.7	7.1	6.8	5.2	3.7	3.3	3.3	2.5	4.2	5.2	4.3	2.1	1.9	1.8	1.1	1.8	1.5	4.0	7.1	1.1
23	1.7	1.1	1.2	1.1	0.7	1.0	0.7	1.0	0.7	0.7	1.0	3.9	3.3	3.9	3.9	3.0	2.6	2.1	1.9	3.9	3.1	1.0	0.8	0.6	1.9	3.9	0.6
24	1.1	0.9	0.6	0.6	1.1	0.9	1.0	0.4	0.7	0.6	1.6	3.0	3.2	3.6	4.3	4.6	3.0	1.6	2.8	2.4	0.8	0.8	0.6	1.9	1.8	4.6	0.4
25	1.6	1.9	1.7	1.9	1.7	1.4	1.2	1.2	0.7	0.6	4.9	5.8	6.4	7.5	6.2	5.9	4.9	1.9	3.7	3.3	1.7	2.0	1.4	2.0	3.0	7.5	0.6
26	1.9	1.4	1.7	2.0	1.4	2.2	2.1	1.9	1.3	1.1	4.0	4.6	4.7	5.5	7.6	7.1	6.0	2.6	3.0	3.7	4.0	1.1	1.8	1.4	3.1	7.6	1.1
27	1.2	1.2	1.5	1.3	1.2	0.8	0.6	0.7	1.2	3.2	4.2	4.5	5.7	7.1	5.8	7.1	6.6	5.2	2.3	2.3	1.3	1.2	0.9	1.0	2.8	7.1	0.6
28	0.5	0.6	0.5	1.0	0.9	0.4	0.5	1.1	0.7	1.1	1.5	2.3	4.3	3.6	3.7	3.3	2.8	1.4	2.7	3.2	2.2	1.0	0.9	1.3	1.7	4.3	0.4
29	1.8	1.7	2.0	1.7	1.4	1.4	0.7	1.2	0.6	1.7	5.4	5.8	6.0	6.0	7.4	6.8	5.6	3.9	1.9	2.7	3.5	1.6	1.9	1.1	3.1	7.4	0.6
30	1.0	0.8	0.9	0.9	1.0	0.3	0.8	1.1	0.6	0.5	3.0	3.7	3.7	5.1	3.9	3.7	3.4	1.5	3.3	3.5	2.5	1.7	1.4	0.9	2.0	5.1	0.3
Avg	1.5	1.4	1.5	1.5	1.6	1.7	1.6	1.8	2.3	3.6	4.5	5.2	5.3	5.4	5.1	5.2	4.8	4.0	2.8	2.5	2.3	1.8	1.5	1.7	2.9	6.7	0.7
Max	5.4	4.1	4.5	4.2	5.4	6.8	5.9	6.7	7.1	9.7	10.1	10.5	9.3	8.5	8.6	9.0	9.2	7.3	6.1	5.3	5.2	3.0	3.7	4.2	4.4	10.5	1.4
Min	0.5	0.2	0.2	0.4	0.3	0.3	0.4	0.3	0.4	0.5	0.5	1.0	1.3	3.1	2.5	2.6	2.5	1.4	0.6	1.1	0.8	0.7	0.6	0.6	1.7	3.5	0.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
July 2015

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	147	125	358	87	136	116	85	14	353	301	310	309	317	315	321	321	348	18	17	32	65	69	24	338	13
2	168	130	358	127	8	85	330	314	324	292	283	254	274	3	353	338	338	207	137	124	91	100	78	92	18
3	112	95	108	77	81	62	137	131	12	311	323	291	258	286	298	280	293	312	326	344	111	81	77	91	28
4	111	1	6	29	102	58	218	318	354	300	290	286	307	286	291	308	272	256	268	136	103	112	78	297	322
5	310	333	336	342	336	323	324	337	347	284	239	262	283	276	302	319	10	286	280	334	318	330	286	273	310
6	291	233	124	148	19	102	98	105	175	163	152	157	158	163	149	14	315	326	326	88	124	123	109	119	128
7	17	85	48	118	107	43	182	358	345	299	267	283	35	325	321	355	350	57	64	68	53	75	93	118	36
8	73	104	63	88	70	139	314	307	96	179	167	183	259	173	188	250	62	136	144	142	141	54	162	110	131
9	143	141	73	93	86	110	56	33	328	335	353	37	106	154	78	113	171	187	242	169	183	115	101	90	105
10	104	112	123	65	74	91	101	318	134	206	264	282	61	322	47	324	25	307	331	167	85	97	96	129	76
11	80	78	150	64	89	129	141	147	175	255	302	296	333	318	272	222	270	263	221	167	113	116	163	182	175
12	137	136	97	117	93	92	262	260	264	268	257	260	265	287	266	270	279	287	282	293	299	96	80	53	265
13	82	101	79	103	76	91	302	31	355	306	290	283	301	270	318	336	346	334	319	280	118	64	305	118	356
14	108	159	54	80	85	89	144	145	307	285	259	251	271	273	273	232	216	200	168	105	81	112	103	79	152
15	71	36	60	75	102	123	167	315	312	25	346	304	292	267	295	301	283	130	322	317	127	95	107	92	19
16	110	116	136	113	133	142	116	150	311	272	267	275	274	275	282	313	314	312	314	318	315	194	218	120	251
17	84	67	80	56	108	139	333	249	258	268	280	274	290	305	322	333	331	329	331	330	321	324	304	292	320
18	279	283	297	276	306	299	273	285	286	313	322	308	293	306	336	295	300	319	271	218	117	90	74	65	301
19	83	38	57	61	71	8	109	16	303	292	312	301	319	327	321	313	273	321	350	27	279	142	102	76	360
20	47	63	78	52	68	103	39	348	99	133	293	264	266	237	260	261	252	176	60	79	83	94	110	111	80
21	100	100	82	92	101	74	141	101	146	256	262	239	274	252	249	173	227	180	173	132	111	108	111	107	145
22	78	120	98	57	113	70	141	303	341	314	287	297	279	271	292	315	280	229	198	165	125	102	98	127	126
23	146	96	159	132	95	139	264	173	270	284	261	257	290	258	221	245	272	45	140	137	122	91	110	121	175
24	105	113	103	80	102	125	118	171	159	215	247	258	276	230	283	28	297	280	264	252	141	89	93	94	159
25	98	94	81	91	114	92	27	131	242	251	242	224	245	241	176	218	280	264	10	130	109	78	92	64	136
26	86	14	63	89	153	311	123	144	338	182	169	186	193	228	273	323	323	253	323	58	94	226	21	77	113
27	20	356	135	293	344	307	63	155	292	233	299	284	308	299	280	281	299	297	288	294	289	278	271	274	296
28	271	268	276	291	303	314	322	306	333	297	274	274	280	284	277	267	271	266	275	278	255	117	91	92	285
29	76	46	49	38	19	44	34	131	307	257	260	273	265	271	257	256	257	261	271	260	102	79	54	97	327
30	108	79	142	98	120	8	128	333	334	351	256	289	310	285	285	261	245	278	276	247	105	88	80	69	333
31	62	322	44	72	52	47	111	339	2	354	278	297	280	307	295	297	285	299	267	227	88	85	80	95	353
Prev	92	84	77	79	81	80	103	348	319	278	276	272	284	278	287	294	294	279	291	172	104	95	90	95	349

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
August 2015

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	86	96	74	72	98	109	215	349	19	351	300	267	289	276	277	290	312	322	312	336	95	81	84	88	8
2	81	80	51	83	99	80	98	104	180	307	304	300	298	318	342	12	1	345	324	116	100	85	89	88	48
3	115	166	130	82	97	38	88	358	58	150	147	144	147	148	139	138	142	145	141	133	195	261	144	146	131
4	105	54	56	104	116	67	36	176	79	105	227	144	137	149	232	103	118	111	187	136	129	83	82	124	115
5	72	91	93	76	110	137	149	307	286	147	47	320	330	264	327	307	303	299	309	265	270	121	116	70	5
6	112	58	108	11	66	128	62	50	286	260	278	265	253	269	263	266	277	281	281	305	313	326	83	79	312
7	57	108	94	80	122	84	29	345	289	254	249	275	265	295	286	336	337	262	356	58	67	225	80	76	3
8	110	105	106	111	92	38	129	144	143	146	143	183	196	165	156	151	155	148	145	143	146	102	102	84	132
9	43	69	126	157	335	125	106	287	329	302	294	280	268	274	264	264	278	259	279	44	136	71	31	69	316
10	168	147	146	120	109	119	79	115	113	173	158	160	163	176	189	149	138	140	139	148	202	84	90	71	138
11	119	137	112	72	99	101	133	180	17	23	320	268	292	265	344	320	210	207	337	74	102	51	85	124	83
12	44	31	13	343	350	1	69	268	134	322	171	300	320	4	240	260	274	240	246	209	92	122	126	102	333
13	102	86	96	92	81	118	181	167	167	143	58	274	253	255	243	213	232	213	172	118	91	97	118	166	149
14	156	113	116	101	106	92	122	101	50	122	143	77	85	174	197	223	239	321	86	82	71	3	93	138	110
15	122	119	158	58	67	77	301	279	287	282	272	271	261	272	267	294	296	322	325	29	214	352	84	95	306
16	317	165	221	8	179	108	103	358	156	145	144	149	266	304	303	298	313	330	108	119	96	119	138	117	134
17	131	116	55	66	336	101	347	146	91	5	182	139	328	323	324	309	306	6	36	67	93	84	79	103	55
18	77	85	60	58	135	126	135	342	302	320	318	300	304	314	323	321	314	314	287	309	106	96	111	83	4
19	29	83	108	62	117	154	118	268	16	29	270	264	249	254	265	259	256	263	252	253	186	78	81	87	228
20	100	39	100	85	83	70	87	67	352	131	271	275	260	242	251	266	257	247	240	159	113	76	97	60	105
21	126	89	122	31	124	103	103	271	352	272	261	255	286	282	275	289	298	303	325	350	14	355	329	320	321
22	279	275	278	278	305	316	308	310	312	314	321	306	295	317	336	329	334	336	329	105	91	73	80	107	322
23	105	89	95	92	83	72	90	324	338	83	15	269	262	272	287	227	283	288	305	92	109	81	98	75	54
24	68	93	115	112	127	128	134	6	14	145	41	344	252	209	257	222	221	215	211	140	79	87	71	84	121
25	66	53	44	40	90	154	122	149	357	312	348	250	216	219	235	273	275	294	337	79	296	164	1	348	340
26	94	87	96	25	122	52	116	73	57	10	271	265	267	277	278	289	319	359	63	76	77	76	95	101	53
27	95	93	135	122	36	28	143	279	78	54	123	254	235	222	222	247	258	225	155	85	81	97	96	101	126
28	64	68	55	80	73	51	118	111	27	1	269	268	235	216	236	210	218	180	127	92	75	89	67	94	98
29	63	132	99	82	106	142	177	175	282	127	138	147	141	143	132	147	195	22	70	57	61	72	68	71	113
30	134	148	87	61	147	304	256	125	148	170	230	257	254	238	226	235	188	232	300	306	285	263	268	246	227
31	282	294	290	142	316	280	295	259	267	246	256	241	252	264	252	261	269	286	272	279	85	77	113	43	271
Prev	92	95	97	76	93	91	110	340	12	34	259	258	259	255	262	264	267	278	294	89	101	81	89	91	96

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
September 2015

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	75	78	83	124	144	99	128	316	249	253	238	226	242	239	243	230	198	223	284	82	95	103	348	165	183
2	160	309	109	84	41	113	123	178	126	180	214	234	229	233	253	239	254	352	34	55	26	28	308	245	190
3	251	176	145	126	139	33	273	138	105	154	165	153	149	285	281	270	266	336	349	312	323	359	294	231	233
4	259	288	338	3	268	150	180	358	131	284	324	332	293	324	346	307	81	65	72	51	204	22	89	115	350
5	346	101	257	311	156	167	166	148	152	155	243	291	318	308	112	147	248	299	84	89	66	96	96	85	136
6	69	130	89	101	271	275	264	232	248	262	256	259	262	254	255	256	256	274	269	294	299	129	124	123	249
7	97	105	289	307	237	105	111	67	296	290	278	258	267	265	253	277	272	289	284	295	94	102	90	85	281
8	69	79	129	89	130	164	179	95	37	263	Au	Au	Au	Au	Au	276	288	317	285	152	143	79	75	69	105
9	106	89	92	357	129	82	84	83	324	279	282	289	286	301	291	281	278	301	270	129	95	80	71	95	19
10	70	350	18	54	68	55	63	24	12	301	265	267	286	283	300	266	296	327	59	31	131	91	45	71	10
11	341	22	25	59	83	74	60	141	317	64	303	308	280	263	285	251	251	277	253	96	82	90	118	66	15
12	65	74	107	54	82	107	86	66	351	318	267	266	269	262	270	253	252	255	248	130	81	85	87	108	71
13	79	112	16	59	68	49	95	54	21	277	266	261	274	271	261	278	283	283	298	301	69	99	158	218	330
14	144	124	107	99	98	107	112	356	347	354	310	175	230	235	279	290	190	207	173	149	277	174	137	128	161
15	246	160	221	339	149	299	287	310	317	50	265	253	276	253	267	264	261	268	241	145	113	121	60	112	255
16	309	276	242	324	308	327	59	88	79	79	173	298	300	325	294	277	312	284	277	343	185	116	113	78	315
17	102	178	5	27	35	148	57	340	213	147	280	274	290	297	246	300	300	188	157	166	93	99	107	125	153
18	109	145	125	149	250	140	161	172	80	254	257	255	248	247	247	259	272	263	254	205	163	139	119	118	196
19	149	137	141	122	72	107	84	85	290	259	269	270	266	274	265	262	255	275	267	167	131	129	113	110	186
20	96	83	87	124	74	87	75	93	185	248	264	242	221	241	236	221	212	251	249	257	268	260	182	251	210
21	220	181	147	261	265	282	296	308	291	280	282	279	276	286	298	304	313	326	302	137	122	96	130	160	269
22	167	170	191	190	168	164	167	166	168	167	161	138	169	159	168	202	161	166	154	125	119	103	82	8	157
23	80	26	101	131	108	125	140	180	119	112	9	249	244	265	281	255	226	229	90	81	107	22	18	334	114
24	351	358	60	59	103	127	122	119	285	32	188	168	178	205	175	196	186	189	112	113	151	130	107	141	136
25	128	109	100	97	86	67	58	134	329	339	175	185	200	205	224	221	219	189	101	104	51	128	75	82	125
26	96	133	82	102	92	124	149	150	155	167	240	225	258	273	283	288	298	291	311	71	78	74	100	72	131
27	78	94	103	100	189	106	106	85	322	305	291	255	278	262	292	306	306	325	317	96	163	75	283	147	337
28	58	110	63	76	64	344	45	150	280	53	337	355	315	319	278	261	281	249	113	98	109	47	53	66	35
29	84	90	114	88	114	124	36	163	309	4	267	267	289	264	268	280	262	251	174	100	83	84	66	81	97
30	106	85	113	102	143	114	142	147	331	334	302	285	278	300	259	255	259	203	99	71	75	72	54	295	96
Prev	93	106	98	79	113	106	108	111	318	286	262	256	262	267	265	262	259	268	262	105	106	92	88	107	173

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
July 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	44	88	65	63	64	74	85	45	39	22	31	26	26	27	23	26	41	12	10	15	72	13	65	40	42	88	10
2	61	65	91	97	48	49	33	75	49	65	68	57	51	51	27	52	45	73	20	19	8	47	19	16	49	97	8
3	67	10	17	34	28	41	41	69	66	96	56	28	47	37	57	37	62	23	26	76	27	46	39	66	46	96	10
4	55	58	66	56	40	73	63	49	49	36	35	54	47	55	64	87	44	26	24	87	19	33	54	72	52	87	19
5	23	9	12	13	11	16	14	10	14	50	16	18	12	13	13	19	77	60	25	60	22	31	20	23	24	77	9
6	23	78	52	100	77	53	29	38	11	14	14	13	15	18	82	92	25	26	14	47	43	41	55	75	43	100	11
7	50	45	53	40	79	71	73	52	29	20	17	46	83	48	33	25	21	43	32	35	33	30	69	26	44	83	17
8	37	31	57	56	76	22	77	50	77	25	50	41	78	72	69	52	43	23	8	9	64	60	96	41	51	96	8
9	29	32	23	24	36	34	58	75	58	76	32	82	70	40	82	48	49	48	31	94	40	25	16	13	46	94	13
10	19	19	23	38	26	20	45	70	27	58	77	61	78	83	54	70	86	24	33	37	31	23	16	50	45	86	16
11	12	23	44	73	53	48	48	35	22	35	33	16	18	32	25	20	17	18	25	19	70	26	44	96	36	96	12
12	61	39	36	36	19	61	13	13	11	11	11	12	15	18	19	20	17	16	12	11	35	38	35	42	25	61	11
13	38	64	61	61	57	64	67	69	24	20	24	28	30	32	16	26	24	16	23	10	81	74	42	36	41	81	10
14	31	51	80	21	13	15	41	41	67	18	17	32	22	27	29	21	22	11	29	32	34	22	15	22	30	80	11
15	28	62	92	88	63	47	73	60	41	88	27	21	26	22	38	22	54	75	55	59	41	15	16	24	47	92	15
16	28	19	20	43	36	66	80	98	55	19	15	16	14	17	17	12	13	13	11	10	8	87	55	30	33	98	8
17	27	42	41	76	69	42	99	69	13	20	18	21	14	17	13	11	9	9	9	8	10	10	13	10	28	99	8
18	12	15	19	13	18	10	15	8	11	22	17	28	25	31	44	25	29	33	47	52	28	30	29	28	25	52	8
19	31	49	42	54	67	74	85	56	18	23	28	28	21	26	23	60	34	40	27	36	82	61	25	37	43	85	18
20	22	36	24	30	27	25	50	75	54	74	40	48	39	40	30	41	17	50	34	21	10	13	44	36	37	75	10
21	24	17	12	26	29	31	41	65	74	29	28	31	31	23	22	42	22	24	13	23	23	13	16	24	28	74	12
22	11	25	58	27	38	90	23	95	66	53	21	36	28	38	26	42	36	25	17	13	30	20	26	25	36	95	11
23	15	90	54	48	32	78	76	53	12	25	18	21	23	27	46	36	14	74	24	50	37	25	33	24	39	90	12
24	25	24	16	25	31	24	77	21	86	72	21	24	33	21	91	54	27	17	18	48	48	20	19	21	36	91	16
25	39	23	21	56	38	47	64	80	83	21	19	25	23	22	26	50	24	24	57	52	30	21	37	22	38	83	19
26	28	38	72	54	88	100	54	33	69	27	17	31	27	50	42	8	77	90	13	53	86	101	62	40	53	101	8
27	57	52	89	35	86	30	91	97	29	62	30	18	23	34	28	14	11	11	9	10	10	11	9	10	36	97	9
28	9	8	10	13	11	9	11	18	10	15	15	16	15	17	17	21	16	13	12	10	41	29	38	29	17	41	8
29	27	41	34	35	58	34	60	54	71	17	19	27	21	23	26	21	24	19	16	8	71	11	36	40	33	71	8
30	29	40	56	76	47	68	62	89	78	44	38	42	43	53	72	41	37	32	31	93	20	11	11	28	48	93	11
31	56	64	28	26	32	37	61	60	64	42	23	23	37	35	37	22	32	15	24	80	24	9	15	25	36	80	9
Avg	33	41	44	46	45	47	55	56	44	39	28	31	33	34	38	36	34	32	24	38	38	32	34	35	38	85	11
Max	67	90	92	100	88	100	99	98	86	96	77	82	83	83	91	92	86	90	57	94	86	101	96	96	53	101	19
Min	9	8	10	13	11	9	11	8	10	11	11	12	12	13	13	8	9	9	8	8	8	9	9	10	17	41	8

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
August 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	20	22	40	40	38	39	80	57	68	65	25	26	22	20	18	19	13	11	12	69	16	11	13	38	33	80	11
2	44	51	55	59	34	83	96	61	89	51	27	16	25	34	45	53	39	28	84	22	13	11	34	32	45	96	11
3	42	70	58	61	46	34	61	46	70	13	13	11	10	12	13	13	10	9	10	11	87	81	24	22	34	87	9
4	53	75	39	26	43	38	61	90	83	44	70	18	28	45	41	90	73	35	60	50	39	13	12	21	48	90	12
5	16	32	40	16	38	41	43	75	63	52	45	12	33	39	19	21	9	9	16	45	45	64	59	45	37	75	9
6	26	30	35	33	66	59	57	54	37	14	17	16	17	24	23	17	14	10	11	9	9	60	11	21	28	66	9
7	45	32	42	46	57	61	75	62	32	17	28	24	31	59	42	35	74	59	48	18	53	97	80	92	50	97	17
8	29	54	49	76	75	84	46	26	21	12	11	15	16	16	13	11	9	11	11	14	35	27	34	27	30	84	9
9	28	42	23	51	88	40	66	94	52	41	27	26	32	52	52	39	42	49	47	58	35	24	47	72	47	94	23
10	66	72	29	20	18	22	51	52	45	29	21	53	43	48	41	36	14	9	9	24	22	90	82	64	40	90	9
11	24	30	51	68	65	44	58	95	72	62	64	57	34	28	34	30	33	75	48	78	29	49	32	26	49	95	24
12	54	73	57	52	33	80	86	103	74	65	54	68	29	63	68	35	39	22	20	38	25	33	31	24	51	103	20
13	25	17	26	31	22	25	46	47	94	35	55	66	36	42	31	35	28	37	22	28	56	36	26	39	38	94	17
14	39	36	33	65	49	38	31	53	82	46	58	11	26	21	22	21	46	48	54	26	72	71	32	37	42	82	11
15	29	43	78	52	45	47	68	16	19	14	14	18	18	17	19	18	15	13	9	37	96	59	63	37	35	96	9
16	69	51	83	81	84	21	55	70	87	19	18	39	45	26	25	30	32	29	45	29	15	29	20	28	43	87	15
17	23	35	74	53	69	46	90	80	82	46	54	65	14	17	22	31	47	27	49	69	20	16	24	25	45	90	14
18	14	16	46	83	61	82	88	61	28	16	15	20	16	16	10	12	14	17	11	44	66	22	22	21	33	88	10
19	34	45	50	41	37	25	59	82	62	53	41	27	24	25	22	17	21	16	16	10	82	20	15	23	35	82	10
20	31	53	42	49	55	58	51	84	60	96	21	26	31	20	21	18	25	14	15	38	27	21	23	43	38	96	14
21	34	54	67	65	52	67	91	91	75	58	14	16	20	10	13	14	17	15	20	16	22	20	16	17	37	91	10
22	19	20	12	13	14	9	8	8	14	15	16	15	15	19	15	23	19	10	6	91	26	15	14	31	19	91	6
23	23	37	23	23	24	37	36	91	62	79	74	22	23	32	39	79	21	23	35	57	36	22	45	40	41	91	21
24	26	27	22	26	15	19	47	67	73	64	84	72	54	25	40	32	19	19	43	47	26	25	26	62	40	84	15
25	51	52	62	37	74	52	85	96	84	89	65	72	21	30	28	22	24	15	63	26	31	73	82	70	54	96	15
26	72	44	71	48	54	53	57	86	93	67	32	30	27	34	42	36	25	46	14	10	35	22	46	44	45	93	10
27	50	47	23	44	66	55	81	97	48	47	38	53	62	55	17	35	21	26	51	21	34	14	46	48	45	97	14
28	39	25	42	42	52	50	53	81	92	80	28	36	35	30	28	33	21	18	52	38	34	21	29	39	42	92	18
29	33	41	57	26	54	36	64	56	100	19	13	12	11	13	12	19	16	81	26	63	55	33	18	52	38	100	11
30	56	85	80	44	89	32	74	44	55	38	14	26	42	18	15	23	24	53	12	11	11	10	12	16	37	89	10
31	14	22	12	100	52	28	51	29	19	13	20	17	19	28	28	25	17	12	12	41	13	24	31	47	28	100	12
Avg	36	43	46	47	51	45	62	66	62	44	35	32	28	30	28	30	26	27	30	37	38	36	34	39	40	90	13
Max	72	85	83	100	89	84	96	103	100	96	84	72	62	63	68	90	74	81	84	91	96	97	82	92	54	103	24
Min	14	16	12	13	14	9	8	8	14	12	11	11	10	10	10	11	9	9	6	9	9	10	11	16	19	66	6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
September 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	56	30	53	28	42	34	51	82	89	17	26	29	26	22	22	32	35	30	34	50	47	37	71	13	40	89	13
2	12	99	53	34	32	42	41	81	86	16	23	16	18	20	27	22	36	60	61	74	92	64	76	83	49	99	12
3	73	48	35	51	77	78	83	72	38	16	32	13	22	62	32	16	15	49	38	47	60	75	73	70	49	83	13
4	71	16	68	66	86	64	103	89	80	55	15	39	38	14	24	60	18	10	12	57	102	81	16	86	53	103	10
5	63	26	81	34	23	12	9	13	12	14	75	16	14	14	87	40	37	36	17	30	39	57	72	46	36	87	9
6	52	72	65	63	41	19	12	36	16	12	16	17	19	18	15	18	15	13	10	10	22	58	27	39	29	72	10
7	40	57	20	48	54	44	34	25	46	20	14	13	15	15	13	17	12	13	12	66	39	18	33	31	29	66	12
8	49	44	38	60	36	54	80	79	97	16	Au	Au	Au	Au	Au	15	12	13	80	29	42	49	56	21	46	97	12
9	24	48	47	87	44	44	57	42	50	16	17	18	23	23	32	16	13	15	51	42	26	40	21	33	35	87	13
10	63	51	72	45	46	57	70	87	57	25	25	21	25	23	23	20	17	34	41	56	37	34	51	31	42	87	17
11	31	43	28	30	40	47	37	24	77	70	78	21	52	49	45	39	26	12	55	27	13	26	20	29	38	78	12
12	38	38	36	29	43	48	49	72	70	49	26	30	29	31	32	24	15	11	68	30	26	26	43	30	37	72	11
13	39	53	41	48	48	68	67	86	72	18	16	12	16	16	15	16	13	11	11	22	66	47	77	91	40	91	11
14	48	27	27	32	41	43	72	34	45	35	55	94	29	15	28	13	89	17	9	18	47	90	64	72	44	94	9
15	92	62	62	103	36	71	19	16	15	80	13	14	19	14	21	16	14	13	37	24	21	49	74	47	39	103	13
16	60	55	78	10	15	19	47	10	11	60	65	26	18	11	26	11	21	17	33	53	91	64	45	76	38	91	10
17	92	82	78	66	37	44	84	88	64	49	86	22	19	22	20	57	60	57	9	14	27	23	17	25	48	92	9
18	32	66	96	24	92	43	85	86	76	16	12	14	18	14	15	14	13	12	18	39	40	27	23	30	38	96	12
19	51	35	55	74	89	27	47	29	49	13	12	12	15	15	15	14	10	12	20	59	59	39	69	39	36	89	10
20	40	63	49	34	53	56	88	73	88	13	19	25	22	28	18	15	15	23	10	9	10	19	54	23	35	88	9
21	50	61	76	23	13	54	26	16	13	17	15	14	18	25	17	20	19	7	20	65	71	43	29	13	30	76	7
22	17	10	19	17	10	7	7	7	7	8	15	24	23	22	45	20	27	10	20	38	21	52	51	69	23	69	7
23	72	81	34	35	58	42	66	79	68	82	95	28	45	35	29	38	31	33	78	12	22	64	82	70	53	95	12
24	50	39	68	71	64	24	34	52	56	82	82	28	21	24	22	25	15	60	21	23	71	67	100	31	47	100	15
25	27	24	32	30	36	34	39	36	50	59	25	19	16	17	21	18	16	24	12	14	69	43	55	30	31	69	12
26	26	23	31	39	48	28	18	18	62	74	59	16	17	16	17	14	10	12	13	38	31	84	64	54	34	84	10
27	34	33	45	52	95	67	51	95	33	28	22	23	18	14	18	17	18	7	20	34	67	87	91	63	43	95	7
28	93	92	64	37	42	55	61	30	42	78	46	89	28	24	37	31	32	48	23	12	24	30	41	29	45	93	12
29	23	31	20	30	30	27	58	42	50	81	21	16	20	21	18	15	16	8	82	21	12	29	34	37	31	82	8
30	36	67	64	65	27	82	54	36	41	96	44	24	36	24	33	26	27	61	21	19	31	68	96	82	48	96	19
Avg	48	49	51	46	47	44	52	51	52	41	36	25	23	22	26	23	23	24	31	34	44	50	54	46	39	87	11
Max	93	99	96	103	95	82	103	95	97	96	95	94	52	62	87	60	89	61	82	74	102	90	100	91	53	103	19
Min	12	10	19	10	10	7	7	7	7	8	12	12	14	11	13	11	10	7	9	9	10	18	16	13	23	66	7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
July 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	10.4	8.8	8.4	8.7	7.2	7.3	10.1	14.8	19.7	21.7	22.6	23.4	23.7	24.5	24.6	24.9	25.0	23.6	22.4	20.4	19.4	17.5	15.7	13.2	17.4	25.0	7.2
2	11.9	9.9	9.5	9.5	9.4	9.5	10.7	14.5	17.8	19.8	20.9	22.2	22.9	23.5	23.4	24.2	24.6	24.0	23.0	21.4	19.3	18.2	18.3	17.3	17.7	24.6	9.4
3	16.2	15.4	13.5	10.7	10.3	9.7	11.5	15.7	19.3	21.9	23.6	25.0	25.8	26.4	26.6	26.9	27.0	27.1	26.9	24.9	19.1	17.1	15.1	13.2	19.5	27.1	9.7
4	12.0	10.2	10.9	9.2	8.3	8.3	10.8	15.8	21.0	23.8	24.8	25.5	25.9	26.7	27.2	27.6	28.0	28.1	27.1	25.3	23.1	19.3	16.6	16.0	19.6	28.1	8.3
5	15.7	13.0	12.5	10.9	11.2	11.3	11.7	12.2	12.3	12.1	10.9	10.4	10.0	10.1	10.1	10.0	10.0	10.3	9.4	9.3	8.9	8.2	8.1	8.2	10.7	15.7	8.1
6	7.8	7.6	7.6	7.2	7.0	7.7	8.5	9.6	11.0	11.4	11.6	12.4	13.2	14.4	15.3	16.5	17.7	18.5	18.5	17.5	14.7	12.6	10.6	9.2	12.0	18.5	7.0
7	7.8	7.1	6.5	5.4	4.4	4.3	6.3	10.4	14.5	16.0	14.6	15.3	17.2	18.2	17.3	18.0	17.0	15.4	15.3	14.1	12.5	10.4	9.1	7.1	11.8	18.2	4.3
8	5.5	5.0	3.7	3.2	2.9	2.4	4.9	9.7	14.3	15.8	17.2	18.4	19.6	20.5	21.5	22.3	22.1	21.7	21.0	19.2	17.7	16.4	16.2	14.0	14.0	22.3	2.4
9	11.1	8.7	7.8	6.6	5.9	5.1	6.2	10.4	15.5	19.2	20.9	21.9	23.3	24.1	24.8	25.5	25.9	25.8	25.2	21.9	20.5	17.7	14.7	13.1	16.7	25.9	5.1
10	11.4	9.7	8.7	9.6	9.1	8.2	9.7	15.1	19.7	21.4	22.5	23.4	22.4	20.4	17.0	15.5	16.6	17.1	17.2	17.2	14.8	12.8	12.0	11.6	15.1	23.4	8.2
11	11.7	11.6	11.3	11.4	11.5	11.5	12.1	13.0	13.2	13.1	13.4	13.6	14.4	15.8	18.0	17.5	18.5	18.8	18.1	14.8	14.2	13.0	11.4	10.1	13.8	18.8	10.1
12	8.6	7.4	7.7	8.2	10.0	10.7	13.4	14.0	14.3	14.7	15.4	16.1	17.3	18.1	19.8	20.3	21.0	21.0	20.6	19.6	17.7	13.8	10.1	8.9	14.5	21.0	7.4
13	7.4	5.8	5.5	4.5	4.5	6.3	8.2	11.3	15.1	17.6	18.6	19.3	20.2	21.3	21.1	21.2	21.7	21.7	20.2	15.2	12.0	12.0	11.3	11.1	13.9	21.7	4.5
14	11.0	9.6	8.6	8.2	7.4	7.0	7.4	9.5	13.6	15.1	16.4	17.6	18.6	19.1	19.2	18.6	19.2	19.2	18.3	17.2	14.3	12.1	10.5	9.6	13.6	19.2	7.0
15	8.8	7.4	6.5	6.6	7.2	7.9	9.2	10.3	11.7	14.4	17.3	18.2	18.4	18.7	19.4	19.6	17.4	16.9	16.4	14.3	11.6	10.2	8.7	7.6	12.7	19.6	6.5
16	6.2	5.5	4.4	4.0	3.1	3.1	5.3	9.4	14.5	16.3	17.4	17.7	18.2	18.9	19.4	18.5	17.4	16.9	16.0	14.4	13.2	11.6	9.5	6.9	12.0	19.4	3.1
17	5.2	4.0	3.3	3.3	3.3	2.9	4.4	10.2	12.1	12.9	13.8	14.5	15.3	15.3	14.7	13.7	12.5	11.7	11.1	10.3	10.1	8.9	8.2	7.8	9.6	15.3	2.9
18	8.2	8.1	8.4	8.3	8.2	8.4	8.6	8.9	9.5	10.4	11.6	13.0	14.0	15.3	16.4	17.5	17.9	18.0	18.1	17.0	12.3	9.1	7.3	6.3	11.7	18.1	6.3
19	4.8	3.7	3.1	2.1	2.1	1.8	4.6	10.5	16.2	17.9	18.9	19.5	19.8	20.4	20.9	21.7	22.3	22.1	21.4	20.2	18.5	16.1	14.2	12.6	14.0	22.3	1.8
20	11.9	10.7	9.4	8.0	7.7	6.8	9.0	14.9	19.3	21.5	22.5	23.4	23.9	25.0	25.5	25.8	25.8	24.0	21.7	19.9	16.7	14.0	12.9	11.4	17.2	25.8	6.8
21	10.5	9.4	9.4	7.8	7.1	7.0	9.2	14.4	20.2	22.0	23.2	24.5	24.7	24.8	23.6	22.4	22.5	21.2	20.4	19.9	15.7	12.7	10.3	8.9	16.3	24.8	7.0
22	9.1	6.6	6.2	6.6	5.7	4.6	8.0	13.3	16.9	18.5	18.3	19.3	21.1	21.6	20.0	20.5	20.6	21.5	20.5	18.4	16.8	14.5	13.9	12.8	14.8	21.6	4.6
23	12.8	12.2	12.4	12.5	11.8	11.5	11.5	12.0	11.9	12.1	13.3	14.8	15.8	16.8	17.8	18.8	17.2	10.8	11.0	10.8	9.1	8.2	6.7	6.7	12.4	18.8	6.7
24	6.9	6.2	5.6	5.0	3.7	3.5	5.6	9.7	14.5	17.3	19.2	20.4	21.3	21.0	18.9	20.3	21.9	22.0	22.2	20.4	17.4	16.5	14.5	12.7	14.4	22.2	3.5
25	10.6	8.9	7.9	6.6	5.3	5.1	7.4	12.3	17.4	20.2	21.2	21.3	22.2	22.2	21.4	23.1	23.3	22.4	20.4	17.8	15.3	13.5	12.0	11.6	15.4	23.3	5.1
26	9.6	9.4	8.4	7.4	5.7	5.3	7.8	12.5	16.3	19.4	21.2	22.2	22.6	23.7	24.4	22.9	22.8	20.4	17.0	16.9	15.3	13.6	13.2	12.1	15.4	24.4	5.3
27	12.7	13.4	12.4	11.1	10.9	10.6	10.4	10.4	9.5	9.9	9.0	8.4	7.4	7.5	7.8	8.0	8.0	7.6	7.0	6.2	6.1	6.1	6.2	6.4	8.9	13.4	6.1
28	6.4	6.2	6.2	6.1	5.9	5.9	6.0	6.9	7.5	9.7	10.9	12.1	12.8	13.8	14.9	15.7	15.6	15.7	15.7	14.6	12.2	7.9	5.0	4.0	9.9	15.7	4.0
29	2.8	2.3	1.9	1.2	1.1	0.7	2.6	7.3	12.1	13.8	15.0	15.9	17.1	17.9	18.7	19.5	19.9	20.2	19.9	18.6	14.0	10.4	8.8	6.7	11.2	20.2	0.7
30	5.6	4.9	4.3	3.5	3.2	3.0	4.9	10.2	15.8	19.0	20.4	21.1	21.8	22.4	23.2	23.9	24.3	24.4	24.1	21.1	15.1	12.9	11.2	9.6	14.6	24.4	3.0
31	8.2	6.9	7.0	7.7	7.1	6.4	8.0	12.5	17.2	21.1	22.6	23.6	24.2	24.9	25.7	26.2	26.2	26.0	25.5	22.5	15.7	13.6	11.8	9.1	16.7	26.2	6.4
Avg	9.3	8.2	7.7	7.1	6.7	6.6	8.2	11.7	15.0	16.8	17.7	18.5	19.2	19.8	20.0	20.2	20.3	19.8	19.1	17.5	14.9	12.9	11.4	10.2	14.1	21.5	5.8
Max	16.2	15.4	13.5	12.5	11.8	11.5	13.4	15.8	21.0	23.8	24.8	25.5	25.9	26.7	27.2	27.6	28.0	28.1	27.1	25.3	23.1	19.3	18.3	17.3	19.6	28.1	10.1
Min	2.8	2.3	1.9	1.2	1.1	0.7	2.6	6.9	7.5	9.7	9.0	8.4	7.4	7.5	7.8	8.0	8.0	7.6	7.0	6.2	6.1	6.1	5.0	4.0	8.9	13.4	0.7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
August 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	7.6	6.2	5.5	5.2	4.1	3.6	5.6	11.2	17.8	22.5	24.5	25.4	26.7	27.7	27.8	27.3	27.4	27.4	26.7	24.5	18.0	15.0	12.3	9.9	17.1	27.8	3.6
2	8.6	7.1	6.7	6.5	5.2	4.6	6.0	10.0	16.0	20.5	22.4	24.0	25.0	25.6	26.2	26.6	26.9	26.4	25.5	22.6	20.1	19.7	19.5	18.6	17.5	26.9	4.6
3	17.3	16.4	15.6	11.6	10.6	9.0	9.9	14.0	19.7	23.5	24.6	25.4	25.6	26.1	26.8	27.1	26.9	26.0	24.8	24.1	22.0	20.5	20.1	17.5	20.2	27.1	9.0
4	16.3	15.6	13.3	12.4	11.1	10.4	11.2	13.8	16.0	17.3	18.7	19.3	19.5	20.8	20.4	14.2	14.2	16.3	16.6	14.9	11.8	11.9	11.3	9.4	14.9	20.8	9.4
5	9.5	8.3	7.5	7.8	6.2	5.4	6.6	9.0	11.5	14.8	15.3	16.8	19.4	20.4	20.2	18.9	17.3	16.6	15.9	15.1	13.9	13.2	11.2	8.2	12.9	20.4	5.4
6	6.7	5.3	3.7	3.0	2.8	1.8	2.9	7.9	13.8	15.5	16.5	17.4	18.2	18.8	19.7	20.2	20.1	19.5	18.8	16.8	15.0	13.5	10.3	6.9	12.3	20.2	1.8
7	4.3	3.2	1.5	0.3	-0.5	-1.1	0.8	6.6	12.9	14.3	15.8	17.3	18.5	19.4	20.3	20.9	21.2	21.5	20.5	17.8	15.0	13.7	11.3	9.2	11.9	21.5	-1.1
8	8.2	7.2	6.3	7.9	9.2	9.0	11.3	13.2	14.8	15.2	15.0	14.7	14.6	14.5	13.8	13.5	13.4	13.3	13.1	12.4	11.1	9.2	8.4	8.2	11.6	15.2	6.3
9	7.6	6.1	4.8	3.6	3.8	3.6	3.8	8.2	13.7	16.6	18.6	20.4	21.6	22.5	23.2	23.7	23.9	24.0	23.6	21.2	19.6	17.4	16.2	16.8	15.2	24.0	3.6
10	15.6	12.6	10.3	9.2	8.6	7.0	8.2	13.2	19.4	22.0	23.3	24.0	25.0	25.1	26.3	26.4	25.5	24.5	23.7	21.8	21.5	19.8	17.5	15.8	18.6	26.4	7.0
11	12.8	10.6	8.7	7.8	7.0	6.2	8.2	13.8	19.6	23.1	24.8	25.7	26.5	27.4	27.9	28.3	28.6	28.4	28.1	22.8	19.0	16.4	15.7	13.5	18.8	28.6	6.2
12	12.9	11.6	11.2	10.2	10.8	10.8	11.2	14.0	17.1	19.2	21.4	20.9	21.9	24.2	25.8	26.5	26.6	26.0	24.3	22.7	20.8	18.2	17.5	16.4	18.4	26.6	10.2
13	13.0	11.6	9.7	8.9	8.1	7.1	7.8	12.7	18.0	22.6	24.6	26.8	27.7	28.3	28.8	28.8	28.9	28.7	27.4	23.2	19.3	16.8	15.0	13.6	19.1	28.9	7.1
14	13.4	11.3	11.0	11.0	11.0	12.2	12.9	15.0	20.0	24.6	21.2	19.8	25.5	28.6	29.6	28.9	26.2	18.4	16.5	15.9	15.2	14.9	14.0	12.2	17.9	29.6	11.0
15	11.3	10.6	8.8	9.1	8.4	9.4	12.4	14.5	15.3	15.8	16.5	17.4	18.3	19.0	19.7	20.2	20.2	19.7	18.5	15.7	13.9	12.2	11.3	10.8	14.5	20.2	8.4
16	10.2	9.6	8.6	7.2	5.9	5.8	6.4	8.4	10.3	11.6	13.2	14.6	16.2	16.9	17.7	17.4	17.5	16.6	15.3	13.3	11.3	10.6	10.3	9.9	11.9	17.7	5.8
17	9.6	8.0	5.7	4.9	3.6	3.5	3.1	5.5	8.8	10.2	10.0	10.8	11.9	13.1	14.4	14.1	13.8	13.7	13.1	10.9	8.1	6.2	5.4	4.3	8.9	14.4	3.1
18	4.4	4.3	4.0	4.6	4.8	5.6	6.0	7.3	9.2	7.9	7.7	8.6	8.6	9.9	9.6	10.6	11.3	11.4	11.3	9.7	7.1	5.1	3.7	2.3	7.3	11.4	2.3
19	1.3	0.5	-0.8	-1.3	-1.8	-2.4	-1.8	2.7	9.4	13.4	16.1	17.0	18.2	19.4	20.1	20.7	21.2	21.6	21.0	19.2	15.7	10.7	8.9	6.5	10.6	21.6	-2.4
20	5.3	4.7	3.8	3.2	3.1	2.4	2.8	6.0	11.8	16.8	17.9	19.2	20.6	21.6	21.9	22.8	22.7	22.5	21.9	18.3	13.6	11.5	9.0	7.2	12.9	22.8	2.4
21	6.1	4.6	3.9	3.5	2.9	3.4	3.6	6.2	11.4	18.0	19.9	20.2	21.5	21.4	20.9	21.5	21.4	20.6	18.5	13.6	8.4	6.0	5.3	4.6	12.0	21.5	2.9
22	2.9	1.7	0.9	0.8	0.8	1.2	1.9	2.2	2.2	3.0	3.9	5.6	6.7	8.5	10.0	11.2	12.0	12.4	11.7	7.9	3.8	2.1	0.6	-1.5	4.7	12.4	-1.5
23	-2.9	-3.4	-3.1	-3.6	-3.2	-3.6	-2.9	0.7	7.0	13.1	15.8	17.6	18.8	19.9	20.5	21.4	21.8	21.7	20.2	15.3	10.8	9.4	7.3	5.9	9.4	21.8	-3.6
24	5.9	4.9	4.1	3.6	3.5	2.8	2.8	6.1	13.6	20.6	23.1	24.6	26.3	26.4	27.0	27.7	27.2	26.9	25.7	21.5	17.0	15.1	12.8	9.9	15.8	27.7	2.8
25	8.9	7.7	6.6	6.3	5.2	4.5	5.4	8.2	14.2	20.9	24.3	26.1	26.8	28.0	28.5	28.5	28.3	27.8	25.8	21.2	18.8	16.5	13.2	12.0	17.2	28.5	4.5
26	11.6	10.6	10.3	9.3	8.9	8.2	6.7	9.6	15.3	21.3	24.8	26.2	27.2	27.5	27.7	27.7	28.1	27.6	24.9	21.8	20.1	18.7	15.1	13.1	18.4	28.1	6.7
27	11.2	10.2	9.8	9.8	9.9	10.9	12.6	14.9	16.2	18.4	21.0	21.9	22.4	23.6	24.4	24.3	24.4	23.6	20.9	18.7	14.8	13.1	11.3	10.3	16.6	24.4	9.8
28	10.1	9.4	7.9	6.7	5.3	4.8	4.4	6.9	12.1	19.4	22.5	23.8	24.6	25.2	25.8	25.6	25.5	24.5	21.8	19.4	17.5	17.5	15.4	14.6	16.3	25.8	4.4
29	14.3	13.5	12.7	11.4	10.9	10.8	11.4	13.5	16.7	22.4	23.9	25.2	25.3	24.8	26.4	27.3	27.5	16.8	15.4	15.0	14.6	14.0	12.7	12.2	17.4	27.5	10.8
30	11.0	10.0	10.3	11.1	11.1	12.2	12.1	11.5	12.6	15.0	17.8	18.6	19.5	21.0	21.8	22.2	20.5	19.9	16.6	14.9	13.8	11.2	9.8	8.0	14.7	22.2	8.0
31	8.0	7.8	7.5	6.3	7.4	7.6	7.9	9.6	11.1	11.8	13.3	14.8	16.2	17.5	18.7	19.3	19.7	19.5	18.5	14.6	11.4	9.2	7.0	5.9	12.1	19.7	5.9
Avg	9.1	8.0	7.0	6.4	6.0	5.7	6.5	9.6	13.8	17.1	18.7	19.7	20.8	21.7	22.3	22.4	22.3	21.4	20.2	17.6	14.9	13.2	11.6	10.1	14.4	23.0	5.0
Max	17.3	16.4	15.6	12.4	11.1	12.2	12.9	15.0	20.0	24.6	24.8	26.8	27.7	28.6	29.6	28.9	28.9	28.7	28.1	24.5	22.0	20.5	20.1	18.6	20.2	29.6	11.0
Min	-2.9	-3.4	-3.1	-3.6	-3.2	-3.6	-2.9	0.7	2.2	3.0	3.9	5.6	6.7	8.5	9.6	10.6	11.3	11.4	11.3	7.9	3.8	2.1	0.6	-1.5	4.7	11.4	-3.6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
September 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	6.2	5.1	4.0	2.7	1.9	1.6	1.8	5.5	13.6	16.9	18.2	19.6	20.9	21.8	22.4	22.8	23.1	23.6	22.6	17.4	13.5	11.9	11.6	17.2	13.6	23.6	1.6
2	17.2	14.1	10.5	7.1	6.2	4.7	4.4	8.9	17.6	22.8	23.8	24.7	25.1	25.9	25.4	26.0	25.1	23.4	21.6	19.5	17.9	15.9	14.3	13.7	17.3	26.0	4.4
3	9.9	8.2	6.1	5.6	3.9	3.8	5.8	11.6	14.5	15.4	16.7	16.8	18.4	18.5	17.4	16.3	13.4	12.4	11.4	10.3	9.8	8.4	7.6	7.2	11.2	18.5	3.8
4	6.8	6.9	7.3	7.4	7.6	6.8	6.7	7.1	7.5	7.8	7.9	8.3	9.1	9.9	10.6	11.6	11.5	10.2	9.0	8.6	8.3	8.2	8.0	8.0	8.4	11.6	6.7
5	7.7	8.0	8.1	8.2	8.9	8.7	8.5	8.9	9.7	10.2	8.4	5.9	6.2	6.5	6.1	7.9	8.5	4.1	3.7	2.7	2.3	1.5	0.9	0.7	6.3	10.2	0.7
6	0.5	1.1	1.5	1.8	3.2	4.7	4.6	4.8	6.7	7.3	8.2	9.3	10.5	11.4	11.8	12.4	12.1	11.7	10.8	10.0	8.7	6.5	5.5	4.4	7.1	12.4	0.5
7	3.5	3.7	5.7	5.1	3.9	1.2	0.0	2.0	6.3	7.0	7.8	9.0	9.3	9.6	9.8	10.4	10.6	10.4	9.9	8.4	5.0	2.5	0.3	-0.6	5.9	10.6	-0.6
8	-1.7	-2.6	-3.6	-3.9	-3.7	-4.4	-4.4	-1.5	5.3	8.1	Au	Au	Au	Au	Au	14.3	13.8	13.5	12.7	11.1	8.9	6.9	5.3	5.3	4.2	14.3	-4.4
9	4.8	4.2	4.2	4.2	3.9	3.4	2.8	6.6	11.2	13.5	13.8	14.2	15.4	16.5	17.5	18.6	18.8	18.1	16.9	13.2	10.3	8.8	7.5	6.5	10.6	18.8	2.8
10	5.8	5.8	5.7	4.0	2.4	2.0	1.2	4.1	9.7	14.5	15.6	16.5	17.1	17.8	18.5	18.9	18.8	18.1	15.9	12.4	9.3	7.1	6.3	4.7	10.5	18.9	1.2
11	4.0	3.5	3.3	3.6	2.7	2.8	1.8	4.8	10.7	15.7	17.6	18.5	19.3	20.2	20.9	21.5	21.8	21.3	18.7	13.3	11.7	9.0	7.4	5.7	11.7	21.8	1.8
12	5.1	4.6	3.6	3.3	2.6	2.1	1.6	4.6	11.1	18.1	19.8	21.2	22.4	23.8	24.3	25.0	25.1	24.4	21.7	14.9	11.4	9.2	6.7	5.7	13.0	25.1	1.6
13	4.5	3.6	3.1	3.4	2.4	2.4	2.3	5.4	13.8	20.6	21.5	22.4	22.9	23.7	24.2	24.2	24.0	23.3	20.4	17.4	15.7	13.1	13.6	13.0	14.2	24.2	2.3
14	13.0	10.9	8.5	7.5	7.0	6.9	6.9	10.1	15.2	16.1	17.2	18.9	21.5	21.6	21.2	20.8	19.9	19.0	17.0	15.8	12.0	10.4	10.3	9.1	14.0	21.6	6.9
15	9.2	9.9	8.8	8.2	7.7	7.4	7.9	7.5	6.9	6.4	7.3	8.1	8.8	10.3	10.4	9.4	9.4	9.4	9.0	8.3	7.4	5.7	5.2	5.3	8.1	10.4	5.2
16	5.3	5.4	5.6	5.8	5.4	4.6	4.1	3.8	3.8	4.6	5.1	5.5	5.6	5.5	5.9	4.3	4.4	5.0	4.0	3.2	2.6	1.4	0.1	-0.2	4.2	5.9	-0.2
17	-0.3	0.1	0.5	0.3	-0.8	-1.9	-2.4	-1.6	1.7	5.5	7.7	8.7	9.2	9.6	10.0	10.2	9.4	5.6	4.6	3.7	3.2	2.4	1.2	0.2	3.6	10.2	-2.4
18	-0.2	-0.9	-1.5	-1.7	-1.9	-2.1	-1.4	-0.4	3.5	7.1	7.7	8.1	9.7	10.1	10.7	10.4	10.0	9.8	9.0	7.4	5.3	3.8	2.3	0.8	4.4	10.7	-2.1
19	0.1	-0.9	-1.1	-0.3	0.1	0.8	1.9	3.8	9.0	10.6	11.4	12.4	13.4	14.0	14.5	14.7	14.9	14.4	12.8	10.1	6.7	4.8	3.3	3.6	7.3	14.9	-1.1
20	3.0	1.8	1.3	2.8	1.7	1.5	1.3	3.4	11.6	14.3	15.0	16.4	16.9	18.4	19.5	20.0	20.1	20.3	18.4	16.6	16.3	14.9	11.7	11.1	11.6	20.3	1.3
21	10.5	8.6	8.5	12.9	13.6	12.9	11.7	13.9	14.9	15.1	15.4	16.1	16.8	17.6	18.0	18.2	17.6	16.3	14.4	12.8	12.4	12.1	11.7	10.3	13.8	18.2	8.5
22	9.2	8.6	8.4	7.7	6.8	6.1	6.2	7.3	8.5	10.2	12.4	14.4	17.0	19.1	20.2	21.4	20.0	17.5	15.9	13.8	12.3	10.7	9.9	8.7	12.2	21.4	6.1
23	7.0	7.2	6.3	3.8	3.1	2.5	1.4	3.1	8.7	14.4	17.8	20.0	20.7	21.4	21.9	22.2	22.2	21.3	15.4	12.4	9.6	8.5	6.9	7.1	11.9	22.2	1.4
24	6.9	6.1	5.1	4.1	3.6	2.4	1.8	3.9	9.6	14.9	18.9	21.0	21.6	22.2	22.8	23.4	22.9	20.8	15.8	13.0	11.1	10.1	8.6	7.6	12.4	23.4	1.8
25	6.4	6.6	5.5	5.2	4.4	4.1	3.8	5.5	10.8	18.7	23.3	24.5	25.5	26.1	26.8	27.1	26.3	24.3	19.4	17.0	14.9	14.2	12.8	10.7	15.2	27.1	3.8
26	8.7	7.5	6.1	6.0	4.8	4.7	4.3	6.0	9.8	14.2	19.9	21.8	22.1	23.0	22.7	21.6	21.3	20.3	17.5	14.0	11.8	10.3	8.9	6.6	13.1	23.0	4.3
27	5.5	4.4	3.8	4.3	4.5	4.2	3.6	3.4	8.5	11.8	12.9	14.2	15.3	15.7	16.0	16.3	16.1	14.5	12.1	7.3	3.6	4.0	4.0	4.6	8.8	16.3	3.4
28	3.8	4.0	3.1	0.8	-1.3	-2.3	-2.9	-2.0	3.5	9.4	11.7	13.1	14.3	14.9	15.4	15.8	15.7	14.9	8.7	6.2	3.5	1.7	0.9	0.3	6.4	15.8	-2.9
29	0.3	-0.6	-0.9	-1.1	-1.9	-2.3	-2.7	-1.2	4.0	11.0	14.5	16.0	17.0	17.8	18.6	18.7	18.5	17.4	13.6	8.6	6.9	3.8	2.7	1.5	7.5	18.7	-2.7
30	0.5	0.0	-0.8	-0.4	-0.6	-1.4	-0.8	0.2	5.5	13.3	17.7	18.9	19.7	20.3	20.8	20.9	20.5	17.3	12.6	11.1	9.2	7.3	7.3	7.1	9.4	20.9	-1.4
Avg	5.4	4.8	4.2	3.9	3.4	2.9	2.7	4.7	9.1	12.5	14.3	15.3	16.3	17.0	17.4	17.5	17.2	16.1	13.8	11.4	9.4	7.8	6.8	6.2	10.0	17.9	1.7
Max	17.2	14.1	10.5	12.9	13.6	12.9	11.7	13.9	17.6	22.8	23.8	24.7	25.5	26.1	26.8	27.1	26.3	24.4	22.6	19.5	17.9	15.9	14.3	17.2	17.3	27.1	8.5
Min	-1.7	-2.6	-3.6	-3.9	-3.7	-4.4	-4.4	-2.0	1.7	4.6	5.1	5.5	5.6	5.5	5.9	4.3	4.4	4.1	3.7	2.7	2.3	1.4	0.1	-0.6	3.6	5.9	-4.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
July 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	8.6	7.3	7.2	7.1	5.8	6.7	10.5	15.4	20.4	22.5	23.6	24.3	24.6	25.7	25.5	25.5	25.5	24.0	22.5	20.3	19.2	17.1	15.0	12.3	17.4	25.7	5.8
2	10.5	9.2	8.5	8.8	8.8	8.7	11.0	14.9	18.4	20.4	21.8	23.1	24.0	24.6	24.0	25.0	25.3	24.5	23.3	21.4	18.9	17.6	17.9	17.0	17.8	25.3	8.5
3	15.5	15.0	12.0	9.5	9.6	9.1	11.7	16.2	19.9	22.6	24.4	26.1	26.9	27.4	27.3	27.6	27.5	27.3	26.4	23.6	18.5	16.4	14.1	11.9	19.4	27.6	9.1
4	10.9	9.3	9.4	7.9	6.6	7.7	11.1	16.2	21.6	24.6	25.7	26.4	27.0	27.7	28.1	28.3	28.8	28.5	26.6	24.7	22.8	18.2	15.2	15.0	19.5	28.8	6.6
5	15.4	12.9	12.5	11.0	11.3	11.5	12.0	12.5	12.7	12.4	11.4	10.9	10.5	10.4	10.4	10.2	10.1	10.5	9.5	9.4	8.9	8.3	8.3	8.3	10.9	15.4	8.3
6	7.9	7.8	7.7	7.1	7.1	7.9	8.8	10.0	11.7	12.1	12.4	13.4	14.2	15.3	15.8	17.1	18.4	19.0	18.8	17.4	14.1	11.5	9.6	8.2	12.2	19.0	7.1
7	6.9	6.0	5.7	4.0	3.0	3.7	6.6	10.8	15.2	16.8	15.0	15.7	17.9	18.9	18.2	19.1	17.9	15.8	15.5	14.1	12.0	10.0	8.4	6.3	11.8	19.1	3.0
8	4.1	3.4	3.0	2.1	1.7	1.5	5.3	10.1	14.8	16.5	18.0	19.4	20.6	21.4	22.4	23.3	22.9	22.3	21.3	19.0	17.2	15.5	15.4	12.6	13.9	23.3	1.5
9	9.1	6.5	7.2	5.5	4.8	4.0	6.1	10.9	16.0	19.8	21.6	22.7	24.0	24.8	25.6	26.1	26.6	26.3	25.4	20.7	18.8	16.6	14.0	13.0	16.5	26.6	4.0
10	10.8	8.8	7.8	8.8	8.5	7.3	9.9	15.5	20.2	22.1	23.2	24.1	22.7	20.0	16.6	15.7	16.7	17.3	17.4	16.9	14.4	12.8	12.1	11.6	15.0	24.1	7.3
11	11.5	11.6	11.2	11.3	11.5	11.5	12.3	13.2	13.4	13.3	13.6	14.0	14.9	16.5	18.8	18.0	19.0	19.2	18.3	14.8	14.0	12.7	11.1	9.0	13.9	19.2	9.0
12	7.7	6.5	7.1	7.5	8.3	9.7	13.3	14.2	14.6	15.2	16.2	16.7	18.3	18.8	20.9	21.3	21.9	21.6	20.9	19.1	16.2	12.5	9.8	8.4	14.4	21.9	6.5
13	7.0	5.0	4.6	3.4	3.8	6.2	8.2	11.6	15.8	18.6	19.9	20.3	21.4	22.6	22.2	22.0	22.6	22.3	19.8	14.8	12.1	12.0	11.1	11.2	14.1	22.6	3.4
14	11.1	9.1	8.4	8.2	7.5	7.2	7.7	9.9	14.0	15.9	17.5	18.7	19.6	20.1	19.8	19.1	19.6	19.2	17.9	17.0	14.0	11.6	10.1	9.3	13.9	20.1	7.2
15	8.5	6.8	5.8	6.3	6.8	7.8	9.4	10.6	11.9	14.9	18.0	19.3	19.2	19.4	20.3	20.2	17.6	17.2	16.7	14.3	11.5	10.1	8.4	7.2	12.8	20.3	5.8
16	5.5	4.5	3.7	3.4	2.7	2.6	5.6	9.8	14.9	17.1	18.1	18.2	19.1	19.4	19.8	19.1	17.8	17.1	16.3	14.4	13.0	11.1	8.6	6.1	12.0	19.8	2.6
17	4.8	3.5	2.6	3.0	2.9	2.6	4.7	10.8	12.9	13.9	14.9	15.6	16.4	16.2	15.7	14.4	12.9	12.1	11.3	10.3	9.9	8.8	8.2	7.8	9.8	16.4	2.6
18	8.1	8.1	8.4	8.3	8.3	8.5	8.8	9.1	9.9	10.9	12.4	13.9	14.9	16.5	17.4	18.6	18.8	18.5	18.3	16.7	11.7	8.7	6.9	5.9	12.0	18.8	5.9
19	4.0	2.7	1.8	1.1	1.0	1.0	4.6	11.0	17.0	18.8	19.8	20.2	20.5	21.1	21.5	22.4	23.0	22.4	21.1	19.8	17.7	15.4	13.4	11.9	13.9	23.0	1.0
20	11.3	10.1	8.4	7.1	6.7	5.5	9.2	15.3	19.8	22.1	23.2	24.4	24.8	26.1	26.5	26.7	26.3	24.0	21.9	19.8	16.6	13.9	12.4	10.5	17.2	26.7	5.5
21	9.9	8.1	9.1	6.6	6.2	6.3	9.4	14.9	20.7	23.0	24.4	25.7	25.8	25.6	23.9	23.0	23.4	21.8	20.4	19.3	15.0	12.4	9.2	8.2	16.3	25.8	6.2
22	8.9	5.4	5.0	5.9	4.0	3.7	8.3	13.7	17.1	18.7	18.4	19.8	22.4	22.6	20.6	21.1	21.0	21.8	20.7	18.0	16.2	14.3	13.8	12.4	14.7	22.6	3.7
23	12.1	11.8	12.0	12.3	11.8	11.4	11.7	12.2	12.1	12.4	13.8	15.7	16.8	17.6	18.6	19.6	17.3	10.9	11.2	10.7	8.7	8.2	6.5	6.8	12.6	19.6	6.5
24	6.9	6.2	5.4	4.8	3.0	2.9	5.8	10.0	14.9	18.0	20.2	21.6	22.3	21.7	19.1	20.7	22.3	22.1	22.3	19.6	17.0	16.3	14.4	12.5	14.6	22.3	2.9
25	10.0	8.4	7.4	5.5	4.1	4.3	7.6	12.7	17.9	21.1	22.3	22.0	23.1	22.6	22.0	23.8	24.1	22.3	20.4	17.3	14.8	13.4	11.6	11.0	15.4	24.1	4.1
26	9.0	8.8	7.3	6.2	4.7	4.5	7.9	12.9	16.7	20.0	22.3	23.2	23.5	24.5	25.4	23.8	23.4	20.3	17.0	16.8	15.1	13.2	12.4	11.1	15.4	25.4	4.5
27	12.1	12.9	11.8	11.0	10.8	10.5	10.4	10.5	9.6	10.1	9.2	8.5	7.5	7.6	8.1	8.2	8.2	7.8	7.1	6.2	6.2	6.1	6.2	6.4	8.9	12.9	6.1
28	6.4	6.2	6.1	6.1	5.9	5.9	6.1	7.1	7.8	10.4	11.5	12.8	13.4	14.6	15.9	16.8	16.1	16.0	16.0	14.1	10.7	7.1	4.9	3.7	10.1	16.8	3.7
29	2.3	1.7	1.5	0.6	0.6	0.4	2.9	7.7	12.8	14.7	16.1	17.0	18.4	19.1	19.8	20.6	20.8	20.8	20.0	17.4	13.2	10.3	8.3	6.0	11.4	20.8	0.4
30	4.7	4.0	3.2	2.0	1.7	2.0	4.8	10.7	16.2	19.8	21.2	22.1	22.9	23.4	23.9	24.7	25.0	24.9	24.2	20.3	14.9	12.9	10.9	8.7	14.5	25.0	1.7
31	6.8	5.6	5.7	6.6	6.0	5.7	7.8	12.9	17.7	21.8	23.6	24.7	25.3	25.9	26.6	27.0	26.8	26.4	25.3	21.5	15.3	13.3	11.4	7.5	16.6	27.0	5.6
Avg	8.7	7.5	7.0	6.4	6.0	6.1	8.4	12.0	15.4	17.4	18.5	19.4	20.1	20.6	20.7	20.9	20.9	20.1	19.2	17.1	14.5	12.5	11.0	9.6	14.2	22.1	5.0
Max	15.5	15.0	12.5	12.3	11.8	11.5	13.3	16.2	21.6	24.6	25.7	26.4	27.0	27.7	28.1	28.3	28.8	28.5	26.6	24.7	22.8	18.2	17.9	17.0	19.5	28.8	9.1
Min	2.3	1.7	1.5	0.6	0.6	0.4	2.9	7.1	7.8	10.1	9.2	8.5	7.5	7.6	8.1	8.2	8.2	7.8	7.1	6.2	6.2	6.1	4.9	3.7	8.9	12.9	0.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
August 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	5.9	4.3	3.9	2.9	2.0	2.1	5.8	11.6	18.3	23.1	25.4	26.4	27.8	28.6	28.7	27.5	27.5	27.5	26.2	23.1	17.1	14.6	11.6	8.3	16.7	28.7	2.0
2	6.9	5.6	5.2	4.2	3.6	2.5	5.9	10.4	16.4	21.2	23.2	24.9	25.9	26.5	27.0	27.2	27.4	26.5	25.1	22.0	19.4	19.1	18.3	17.5	17.2	27.4	2.5
3	15.5	14.7	12.8	9.7	9.2	7.8	9.7	14.5	20.3	24.1	25.4	26.3	26.7	27.3	27.5	27.7	27.5	25.9	24.6	24.0	21.3	18.9	19.1	16.5	19.9	27.7	7.8
4	14.1	14.1	12.6	12.0	10.4	10.2	11.4	14.0	16.2	17.4	19.0	19.8	20.0	21.4	20.3	14.1	14.5	16.7	16.7	14.6	11.6	11.9	11.3	9.0	14.7	21.4	9.0
5	9.5	8.1	7.0	7.6	5.3	4.5	6.8	9.3	11.8	14.9	15.4	17.6	20.3	21.2	20.8	19.2	17.6	16.5	15.7	14.5	13.1	11.8	9.9	7.6	12.8	21.2	4.5
6	5.8	4.5	2.3	2.2	2.0	0.5	2.8	8.4	14.4	16.4	17.7	18.6	19.5	20.0	20.8	21.2	20.9	20.0	18.8	16.1	14.1	12.0	8.2	5.9	12.2	21.2	0.5
7	3.8	2.5	0.7	-0.8	-2.1	-2.4	0.8	7.1	13.8	15.4	16.9	18.7	19.8	20.5	21.4	21.8	21.9	21.9	20.6	17.3	14.5	12.9	10.2	7.3	11.9	21.9	-2.4
8	6.8	5.1	5.1	5.4	7.1	7.2	9.3	12.8	15.2	15.9	15.3	15.0	14.9	15.0	14.3	13.9	13.7	13.5	13.1	12.2	10.3	9.0	8.2	8.1	11.1	15.9	5.1
9	7.0	5.5	3.5	2.8	3.0	2.5	3.2	8.6	14.3	17.4	19.6	21.6	22.8	23.7	24.2	24.8	24.7	24.5	23.8	20.3	18.6	16.1	14.6	15.6	15.1	24.8	2.5
10	13.4	10.2	7.8	6.8	7.4	5.4	7.9	13.6	19.9	22.8	24.2	25.0	26.1	25.7	27.5	27.3	25.8	24.3	23.3	21.1	21.0	19.5	16.9	15.1	18.3	27.5	5.4
11	11.8	8.5	7.0	6.4	5.3	4.6	7.7	14.2	20.0	23.7	25.7	26.8	27.5	28.6	28.9	29.2	29.3	28.7	28.0	21.8	18.0	14.8	14.4	11.2	18.4	29.3	4.6
12	11.2	10.2	9.8	9.3	9.6	9.4	10.6	14.1	17.3	19.4	21.3	21.1	23.0	25.0	26.8	27.6	27.3	25.9	23.2	22.3	20.3	17.7	16.9	15.7	18.1	27.6	9.3
13	12.2	11.2	8.9	7.7	7.0	5.7	7.6	13.1	18.4	23.0	25.2	27.6	28.6	29.4	29.8	29.8	29.5	29.0	26.6	22.3	18.8	15.6	13.2	11.5	18.8	29.8	5.7
14	10.5	9.3	9.3	9.7	9.5	11.0	12.2	15.0	20.2	24.9	21.0	20.1	26.3	29.9	30.7	29.2	25.4	17.6	16.3	15.8	15.0	14.5	13.7	11.7	17.4	30.7	9.3
15	10.8	9.8	7.9	8.5	8.0	8.8	11.5	14.2	15.5	16.2	17.3	18.3	19.4	20.1	20.8	21.0	20.8	20.0	18.2	15.3	13.2	11.2	10.7	10.5	14.5	21.0	7.9
16	9.7	9.3	8.1	6.3	4.5	5.6	6.5	8.6	10.8	12.0	14.0	15.3	17.1	17.9	18.7	18.1	18.3	16.7	15.4	13.2	11.1	10.0	9.4	9.0	11.9	18.7	4.5
17	8.6	6.5	4.5	3.9	2.5	1.9	3.1	5.8	9.1	10.4	10.1	11.2	12.3	14.0	15.2	14.7	14.4	14.4	13.1	10.0	7.9	6.2	5.2	3.8	8.7	15.2	1.9
18	4.4	4.2	4.0	4.5	4.7	5.4	6.1	7.6	9.6	7.9	8.2	9.4	9.3	10.8	10.1	11.2	11.9	11.8	11.5	8.8	6.2	4.6	3.0	1.7	7.4	11.9	1.7
19	0.6	-0.4	-1.8	-2.2	-3.3	-3.7	-2.0	3.0	9.8	14.1	17.1	18.2	19.5	20.7	21.4	21.8	22.1	22.0	20.7	18.0	14.6	10.0	8.2	5.3	10.6	22.1	-3.7
20	3.8	3.5	2.4	2.0	1.7	0.9	2.1	6.3	12.2	17.3	18.7	20.1	21.7	22.6	22.8	23.7	23.2	22.7	21.2	17.0	12.7	11.1	7.4	5.8	12.6	23.7	0.9
21	4.2	3.7	2.8	2.3	1.8	2.2	3.0	6.5	11.9	18.6	20.7	20.8	22.2	22.1	21.3	22.1	21.8	20.7	18.5	13.6	8.6	6.2	5.4	4.7	11.9	22.2	1.8
22	3.1	1.9	1.1	0.9	0.8	1.2	2.1	2.6	2.5	3.5	4.3	6.7	7.7	9.8	11.2	12.3	13.0	13.0	11.4	6.5	3.2	1.9	0.2	-2.6	4.9	13.0	-2.6
23	-4.8	-5.1	-5.2	-5.3	-4.2	-4.9	-3.8	1.1	7.5	13.6	16.5	18.7	19.9	21.1	21.6	22.0	22.5	22.0	19.2	14.5	9.5	8.5	5.4	4.6	9.0	22.5	-5.3
24	4.7	3.1	1.8	1.0	0.5	0.5	1.6	6.4	14.0	21.1	23.6	25.3	27.2	27.3	27.9	28.5	27.4	26.5	24.8	20.6	16.0	14.3	12.0	8.1	15.2	28.5	0.5
25	7.3	6.2	5.2	4.8	2.9	2.3	3.8	8.5	14.6	21.4	25.0	27.0	27.8	29.0	29.5	29.4	28.8	27.8	24.9	19.9	16.8	14.1	11.3	10.3	16.6	29.5	2.3
26	10.3	8.8	8.7	8.2	6.6	5.8	5.4	9.7	15.8	21.9	25.6	27.2	28.4	28.7	28.5	28.3	28.7	27.8	24.6	21.2	19.4	17.7	14.0	12.0	18.1	28.7	5.4
27	10.3	9.1	8.3	8.4	9.2	10.0	12.1	14.4	16.1	18.6	21.2	22.3	22.7	24.4	25.2	24.9	24.6	22.7	20.2	17.4	14.2	12.7	10.3	9.3	16.2	25.2	8.3
28	9.5	9.0	7.1	5.1	3.8	3.5	3.2	7.1	12.5	20.0	23.6	24.7	25.6	26.2	26.8	26.3	25.9	23.7	21.1	18.9	16.9	15.6	14.6	14.2	16.0	26.8	3.2
29	14.0	12.8	11.8	10.1	9.9	10.2	10.8	13.5	16.9	22.6	24.3	26.0	25.9	25.2	26.8	27.8	27.4	16.5	15.3	14.8	14.5	13.8	12.4	11.9	17.3	27.8	9.9
30	10.6	9.2	10.0	11.0	10.7	11.9	11.9	11.4	12.7	15.7	18.6	19.5	20.3	22.0	22.6	22.8	20.7	19.9	16.5	14.7	13.6	11.1	9.7	7.5	14.8	22.8	7.5
31	7.5	7.4	7.0	5.9	7.0	7.0	7.5	9.9	11.8	12.6	14.3	16.1	17.5	18.8	20.0	20.3	20.5	19.9	17.6	13.1	11.1	8.7	5.6	5.0	12.2	20.5	5.0
Avg	8.0	6.9	5.8	5.2	4.7	4.5	6.0	9.8	14.2	17.6	19.3	20.5	21.7	22.7	23.2	23.1	22.7	21.5	19.9	16.9	14.3	12.5	10.7	9.1	14.2	23.7	3.7
Max	15.5	14.7	12.8	12.0	10.7	11.9	12.2	15.0	20.3	24.9	25.7	27.6	28.6	29.9	30.7	29.8	29.5	29.0	28.0	24.0	21.3	19.5	19.1	17.5	19.9	30.7	9.9
Min	-4.8	-5.1	-5.2	-5.3	-4.2	-4.9	-3.8	1.1	2.5	3.5	4.3	6.7	7.7	9.8	10.1	11.2	11.9	11.8	11.4	6.5	3.2	1.9	0.2	-2.6	4.9	11.9	-5.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
September 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	5.0	4.1	2.7	1.2	0.6	0.6	0.7	5.8	14.2	17.8	19.2	20.7	22.2	23.1	23.4	23.6	23.7	24.0	22.3	16.1	12.4	10.9	9.8	15.2	13.3	24.0	0.6
2	16.1	12.5	8.1	5.4	4.6	2.7	3.1	9.2	18.2	23.6	24.6	25.9	26.1	27.2	26.0	26.5	25.1	23.3	21.2	19.1	17.3	14.9	12.8	12.7	16.9	27.2	2.7
3	8.1	5.6	4.7	3.9	2.4	2.8	5.8	12.0	15.0	16.3	17.8	17.6	19.6	19.5	18.4	17.0	13.6	12.4	11.3	10.3	9.6	8.0	7.1	7.2	11.1	19.6	2.4
4	6.9	7.0	7.4	7.5	7.5	6.7	6.8	7.3	7.7	8.0	8.2	8.6	9.5	10.5	11.3	12.2	11.8	10.3	9.1	8.7	8.4	8.2	8.1	8.0	8.6	12.2	6.7
5	7.8	8.0	7.8	8.2	9.0	8.7	8.6	9.2	10.2	11.0	8.9	6.2	6.5	6.7	6.3	8.3	8.5	4.1	3.9	2.7	2.2	1.4	0.7	0.3	6.5	11.0	0.3
6	0.2	0.9	1.2	1.7	2.6	3.8	4.2	4.8	7.1	7.8	9.0	10.3	11.6	12.6	12.7	13.3	12.5	11.7	10.6	8.7	7.6	6.3	5.0	4.2	7.1	13.3	0.2
7	3.4	3.6	5.1	4.4	2.4	0.4	-0.2	2.2	6.7	7.4	8.3	10.0	10.4	10.4	10.6	11.1	10.9	10.4	9.7	7.4	3.9	1.7	-0.2	-1.2	5.8	11.1	-1.2
8	-2.7	-3.7	-4.7	-4.9	-5.2	-5.8	-4.8	-1.1	5.9	8.7	Au	Au	Au	Au	Au	14.9	14.0	13.5	12.3	10.6	8.1	6.4	5.0	4.9	3.8	14.9	-5.8
9	4.2	3.7	3.5	3.8	2.8	2.7	2.4	6.9	11.7	14.1	14.6	15.1	16.7	17.6	18.5	19.5	19.2	17.9	16.4	12.2	9.5	8.1	7.0	5.6	10.6	19.5	2.4
10	5.2	5.2	4.7	2.9	1.2	0.7	0.6	4.5	10.2	15.3	16.6	17.7	18.4	19.0	19.6	19.9	19.6	18.5	15.5	11.3	8.2	6.1	5.3	3.3	10.4	19.9	0.6
11	2.8	2.6	2.4	2.6	1.4	1.2	0.7	4.8	11.1	16.2	18.3	19.7	20.2	21.2	21.8	22.3	22.4	21.6	17.5	12.7	11.3	7.4	5.5	4.4	11.3	22.4	0.7
12	3.6	2.8	1.6	1.6	0.9	0.4	0.7	4.8	11.5	18.8	20.7	22.2	23.6	24.9	25.3	25.9	25.7	24.5	20.2	13.6	10.4	7.7	5.0	4.0	12.5	25.9	0.4
13	2.9	1.8	1.5	1.6	0.7	0.8	1.0	5.6	14.2	21.4	22.5	23.5	24.1	24.9	25.2	25.0	24.5	23.2	19.1	15.3	14.0	11.3	12.4	11.6	13.7	25.2	0.7
14	12.1	9.8	7.7	7.0	6.3	6.3	6.6	10.6	15.8	16.8	18.0	19.7	22.5	22.4	21.7	21.0	19.5	18.8	16.8	15.6	11.8	10.3	10.2	9.0	14.0	22.5	6.3
15	8.5	8.5	8.1	8.2	7.7	7.2	7.9	7.6	7.0	6.6	7.7	8.6	9.6	11.3	11.2	9.9	9.9	9.6	9.0	8.3	7.5	5.4	4.9	5.5	8.2	11.3	4.9
16	5.4	5.5	5.7	5.9	5.4	4.6	4.2	4.0	4.0	4.8	5.3	5.9	5.9	5.9	6.2	4.5	4.8	5.2	3.5	3.1	2.2	1.0	0.0	-0.4	4.3	6.2	-0.4
17	-0.2	0.1	0.4	0.0	-1.0	-1.9	-2.3	-1.4	1.9	5.8	8.4	9.7	10.3	10.4	10.6	10.9	9.5	5.7	4.7	3.5	3.3	2.4	1.2	0.3	3.8	10.9	-2.3
18	-0.1	-0.9	-1.5	-1.6	-2.0	-2.6	-1.3	-0.3	3.9	7.6	8.2	8.7	10.8	11.0	11.6	11.0	10.3	9.9	8.6	6.4	4.3	3.1	1.6	0.2	4.5	11.6	-2.6
19	-1.4	-2.0	-1.6	-0.9	-0.2	0.5	1.0	3.9	9.4	11.3	12.3	13.4	14.4	14.9	15.4	15.2	15.3	14.4	12.1	8.8	5.6	3.6	2.3	2.0	7.1	15.4	-2.0
20	1.3	0.6	0.4	1.7	1.2	0.8	0.3	3.4	11.9	14.8	15.6	17.4	17.9	19.4	20.4	20.7	20.5	20.3	17.0	14.6	15.4	13.5	9.4	9.3	11.2	20.7	0.3
21	8.1	5.9	5.6	11.7	12.8	12.2	10.5	13.8	15.4	15.8	16.1	17.0	18.0	18.8	19.0	19.1	18.0	16.3	13.9	12.3	12.3	12.1	11.7	10.1	13.6	19.1	5.6
22	8.8	8.0	7.8	7.3	6.4	5.8	6.0	7.6	9.3	11.3	13.5	15.2	17.8	19.9	20.8	21.9	20.1	17.4	15.4	12.9	11.2	9.8	9.3	7.4	12.1	21.9	5.8
23	5.4	5.9	5.0	2.5	1.8	1.2	0.6	3.0	9.1	14.8	18.3	20.9	21.5	22.4	22.8	22.8	22.6	21.0	14.7	12.3	8.9	7.3	5.6	5.4	11.5	22.8	0.6
24	4.9	4.9	3.2	2.6	2.0	1.0	0.6	4.1	9.9	15.4	19.4	21.7	22.2	23.0	23.6	24.0	22.8	20.1	15.1	12.4	9.9	8.2	6.3	5.2	11.8	24.0	0.6
25	4.4	4.3	3.5	3.0	2.6	2.8	2.8	5.2	11.1	19.0	24.1	25.4	26.5	27.0	27.5	27.6	26.2	23.5	18.9	16.3	13.8	13.0	11.4	9.3	14.5	27.6	2.6
26	7.0	5.5	4.3	4.1	2.9	2.8	2.2	4.5	9.9	14.4	20.0	22.0	22.4	23.6	23.0	22.0	21.5	19.9	15.5	13.3	11.3	9.1	7.4	5.4	12.3	23.6	2.2
27	4.6	3.4	3.0	4.0	4.0	3.5	2.4	3.4	9.0	12.6	13.9	15.2	16.4	16.3	16.6	17.0	16.5	14.2	11.0	6.1	2.4	2.8	3.3	3.7	8.6	17.0	2.4
28	3.1	3.2	2.3	-0.9	-3.1	-3.9	-4.3	-2.2	3.8	10.0	12.4	13.9	15.4	15.9	16.4	16.5	16.2	14.7	8.3	6.0	2.4	0.5	-0.5	-1.1	6.0	16.5	-4.3
29	-1.3	-2.4	-3.0	-2.9	-3.8	-4.4	-3.9	-1.7	4.4	11.6	15.4	17.0	18.1	18.9	19.5	19.4	18.8	16.7	12.1	8.0	6.6	2.2	1.1	-0.2	6.9	19.5	-4.4
30	-1.3	-1.9	-2.6	-2.6	-2.4	-2.9	-2.9	-0.3	5.9	13.7	18.5	19.9	20.6	21.4	21.6	21.5	20.7	16.4	12.3	10.8	8.4	5.8	5.6	5.4	8.8	21.6	-2.9
Avg	4.4	3.8	3.1	3.0	2.4	2.0	2.0	4.7	9.5	13.1	15.0	16.2	17.2	17.9	18.2	18.1	17.5	16.0	13.3	10.6	8.7	7.0	5.8	5.2	9.7	18.6	0.8
Max	16.1	12.5	8.1	11.7	12.8	12.2	10.5	13.8	18.2	23.6	24.6	25.9	26.5	27.2	27.5	27.6	26.2	24.5	22.3	19.1	17.3	14.9	12.8	15.2	16.9	27.6	6.7
Min	-2.7	-3.7	-4.7	-4.9	-5.2	-5.8	-4.8	-2.2	1.9	4.8	5.3	5.9	5.9	5.9	6.2	4.5	4.8	4.1	3.5	2.7	2.2	0.5	-0.5	-1.2	3.8	6.2	-5.8

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
July 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.78	1.55	1.24	1.52	1.37	0.59	-0.35	-0.60	-0.62	-0.81	-0.96	-0.95	-0.89	-1.15	-0.88	-0.56	-0.48	-0.38	-0.11	0.11	0.24	0.37	0.71	0.86	0.07	1.78	-1.15
2	1.39	0.76	1.02	0.73	0.61	0.84	-0.28	-0.42	-0.53	-0.58	-0.81	-0.89	-1.05	-1.16	-0.61	-0.77	-0.70	-0.49	-0.31	0.01	0.38	0.60	0.47	0.36	-0.06	1.39	-1.16
3	0.66	0.41	1.47	1.20	0.73	0.60	-0.15	-0.43	-0.56	-0.61	-0.78	-1.08	-1.14	-1.04	-0.73	-0.68	-0.46	-0.25	0.49	1.36	0.67	0.75	0.93	1.27	0.11	1.47	-1.14
4	1.18	0.88	1.51	1.31	1.65	0.61	-0.30	-0.43	-0.55	-0.79	-0.90	-0.91	-1.04	-1.04	-0.89	-0.69	-0.81	-0.43	0.51	0.61	0.36	1.03	1.44	1.06	0.14	1.65	-1.04
5	0.35	0.03	0.00	-0.13	-0.10	-0.13	-0.34	-0.30	-0.32	-0.34	-0.55	-0.47	-0.43	-0.38	-0.31	-0.21	-0.17	-0.15	-0.10	-0.11	0.01	-0.07	-0.11	-0.05	-0.18	0.35	-0.55
6	-0.08	-0.17	-0.08	0.09	-0.10	-0.21	-0.21	-0.37	-0.69	-0.69	-0.75	-0.96	-1.03	-0.91	-0.52	-0.62	-0.64	-0.50	-0.27	0.18	0.58	1.16	1.00	0.93	-0.20	1.16	-1.03
7	0.91	1.12	0.74	1.42	1.47	0.65	-0.27	-0.36	-0.65	-0.81	-0.39	-0.43	-0.68	-0.71	-0.88	-1.06	-0.94	-0.36	-0.19	0.06	0.55	0.44	0.69	0.83	0.05	1.47	-1.06
8	1.37	1.54	0.71	1.03	1.20	0.89	-0.38	-0.45	-0.53	-0.67	-0.81	-0.97	-1.06	-0.92	-0.86	-1.03	-0.81	-0.60	-0.28	0.26	0.50	0.81	0.83	1.33	0.05	1.54	-1.06
9	1.97	2.17	0.67	1.06	1.02	1.08	0.03	-0.47	-0.45	-0.57	-0.70	-0.77	-0.69	-0.71	-0.75	-0.66	-0.71	-0.52	-0.18	1.20	1.65	1.04	0.70	0.12	0.23	2.17	-0.77
10	0.59	0.97	0.91	0.75	0.59	0.92	-0.17	-0.39	-0.51	-0.72	-0.70	-0.62	-0.24	0.48	0.35	-0.18	-0.17	-0.20	-0.18	0.24	0.44	0.07	-0.05	0.02	0.09	0.97	-0.72
11	0.16	-0.02	0.15	0.13	0.05	0.01	-0.15	-0.18	-0.18	-0.22	-0.24	-0.37	-0.51	-0.78	-0.73	-0.52	-0.50	-0.44	-0.16	0.04	0.20	0.27	0.33	1.09	-0.11	1.09	-0.78
12	0.91	0.85	0.62	0.76	1.67	1.00	0.07	-0.20	-0.30	-0.49	-0.73	-0.59	-0.98	-0.71	-1.15	-0.98	-0.94	-0.66	-0.28	0.47	1.55	1.28	0.32	0.57	0.09	1.67	-1.15
13	0.45	0.81	0.90	1.08	0.72	0.07	0.02	-0.38	-0.66	-1.04	-1.29	-0.98	-1.19	-1.29	-1.08	-0.79	-0.89	-0.67	0.46	0.43	-0.07	-0.07	0.13	-0.14	-0.23	1.08	-1.29
14	-0.07	0.49	0.16	0.02	-0.10	-0.23	-0.29	-0.44	-0.40	-0.80	-1.08	-1.11	-1.00	-0.99	-0.56	-0.48	-0.39	0.00	0.42	0.26	0.26	0.49	0.33	0.23	-0.22	0.49	-1.11
15	0.24	0.59	0.69	0.38	0.41	0.02	-0.22	-0.26	-0.21	-0.51	-0.72	-1.09	-0.83	-0.74	-0.91	-0.59	-0.16	-0.26	-0.27	0.05	0.12	0.09	0.24	0.35	-0.15	0.69	-1.09
16	0.68	1.01	0.70	0.54	0.41	0.43	-0.35	-0.44	-0.42	-0.72	-0.73	-0.53	-0.82	-0.52	-0.34	-0.62	-0.43	-0.22	-0.29	0.07	0.20	0.55	0.92	0.85	-0.00	1.01	-0.82
17	0.36	0.56	0.70	0.32	0.43	0.27	-0.28	-0.55	-0.76	-0.98	-1.14	-1.07	-1.16	-0.94	-0.92	-0.67	-0.36	-0.33	-0.18	0.00	0.14	0.05	0.00	-0.03	-0.27	0.70	-1.16
18	0.04	0.01	0.01	-0.02	-0.05	-0.13	-0.22	-0.18	-0.36	-0.54	-0.78	-0.95	-0.90	-1.17	-1.05	-1.07	-0.92	-0.51	-0.25	0.31	0.65	0.32	0.37	0.38	-0.29	0.65	-1.17
19	0.84	1.09	1.32	0.98	1.12	0.80	0.00	-0.51	-0.77	-0.93	-0.84	-0.78	-0.67	-0.67	-0.67	-0.73	-0.70	-0.29	0.24	0.38	0.78	0.75	0.75	0.69	0.09	1.32	-0.93
20	0.55	0.67	1.02	0.94	0.99	1.21	-0.14	-0.37	-0.43	-0.62	-0.76	-0.98	-0.87	-1.12	-1.02	-0.89	-0.55	-0.07	-0.19	0.15	0.16	0.09	0.46	0.86	-0.04	1.21	-1.12
21	0.66	1.34	0.30	1.23	0.94	0.70	-0.19	-0.52	-0.48	-0.91	-1.15	-1.25	-1.05	-0.82	-0.31	-0.53	-0.97	-0.62	-0.05	0.59	0.68	0.32	1.08	0.72	-0.01	1.34	-1.25
22	0.11	1.15	1.19	0.70	1.64	0.89	-0.28	-0.39	-0.18	-0.14	-0.15	-0.54	-1.31	-0.93	-0.67	-0.59	-0.41	-0.30	-0.19	0.39	0.53	0.17	0.06	0.45	0.05	1.64	-1.31
23	0.66	0.41	0.48	0.13	0.00	0.08	-0.16	-0.20	-0.22	-0.32	-0.55	-0.93	-0.92	-0.79	-0.81	-0.72	-0.13	-0.10	-0.22	0.09	0.36	0.01	0.23	-0.05	-0.15	0.66	-0.93
24	-0.02	0.04	0.18	0.22	0.76	0.67	-0.19	-0.24	-0.40	-0.68	-0.99	-1.18	-0.95	-0.70	-0.21	-0.42	-0.36	-0.07	-0.06	0.79	0.46	0.27	0.08	0.25	-0.11	0.79	-1.18
25	0.58	0.55	0.44	1.05	1.24	0.74	-0.25	-0.39	-0.46	-0.91	-1.09	-0.69	-0.90	-0.49	-0.61	-0.71	-0.83	0.11	0.05	0.55	0.47	0.15	0.38	0.61	-0.02	1.24	-1.09
26	0.65	0.63	1.14	1.10	1.02	0.77	-0.01	-0.43	-0.38	-0.67	-1.15	-1.02	-0.90	-0.86	-0.98	-0.89	-0.51	0.09	-0.01	0.01	0.19	0.45	0.72	0.96	-0.00	1.14	-1.15
27	0.64	0.53	0.54	0.10	0.04	0.12	-0.02	-0.14	-0.20	-0.25	-0.18	-0.07	-0.09	-0.14	-0.30	-0.20	-0.15	-0.17	-0.10	-0.04	-0.05	-0.01	-0.02	0.00	-0.01	0.64	-0.30
28	0.02	0.03	0.03	0.06	0.04	-0.01	-0.09	-0.21	-0.38	-0.64	-0.62	-0.73	-0.61	-0.79	-1.01	-1.09	-0.45	-0.35	-0.20	0.46	1.48	0.78	0.15	0.35	-0.16	1.48	-1.09
29	0.56	0.64	0.49	0.61	0.47	0.30	-0.28	-0.38	-0.74	-0.94	-1.11	-1.08	-1.27	-1.20	-1.15	-1.07	-0.84	-0.58	-0.13	1.27	0.80	0.10	0.47	0.78	-0.18	1.27	-1.27
30	0.90	0.90	1.10	1.55	1.43	1.01	0.09	-0.41	-0.38	-0.71	-0.84	-0.93	-1.01	-1.02	-0.77	-0.79	-0.67	-0.45	-0.08	0.81	0.21	0.08	0.33	0.89	0.05	1.55	-1.02
31	1.43	1.22	1.26	1.06	1.07	0.70	0.13	-0.39	-0.48	-0.68	-0.96	-1.06	-1.08	-0.96	-0.92	-0.86	-0.64	-0.36	0.24	1.07	0.43	0.26	0.40	1.62	0.10	1.62	-1.08
Avg	0.66	0.73	0.70	0.71	0.73	0.49	-0.17	-0.37	-0.46	-0.65	-0.79	-0.84	-0.88	-0.81	-0.72	-0.70	-0.57	-0.33	-0.06	0.39	0.48	0.41	0.46	0.59	-0.04	1.20	-1.03
Max	1.97	2.17	1.51	1.55	1.67	1.21	0.13	-0.14	-0.18	-0.14	-0.15	-0.07	-0.09	0.48	0.35	-0.18	-0.13	0.11	0.51	1.36	1.65	1.28	1.44	1.62	0.23	2.17	-0.30
Min	-0.08	-0.17	-0.08	-0.13	-0.10	-0.23	-0.38	-0.60	-0.77	-1.04	-1.29	-1.25	-1.31	-1.29	-1.15	-1.09	-0.97	-0.67	-0.31	-0.11	-0.07	-0.07	-0.11	-0.14	-0.29	0.35	-1.31

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
August 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.71	1.87	1.56	2.28	2.08	1.50	-0.23	-0.41	-0.40	-0.58	-0.91	-0.96	-1.04	-0.95	-0.87	-0.21	-0.08	-0.11	0.54	1.47	0.85	0.36	0.72	1.59	0.41	2.28	-1.04
2	1.71	1.50	1.45	2.39	1.56	2.01	0.07	-0.47	-0.41	-0.64	-0.81	-0.97	-0.97	-0.93	-0.78	-0.63	-0.52	-0.13	0.37	0.54	0.69	0.58	1.20	1.13	0.33	2.39	-0.97
3	1.80	1.68	2.76	1.92	1.35	1.20	0.15	-0.44	-0.54	-0.53	-0.84	-0.91	-1.10	-1.22	-0.71	-0.66	-0.56	0.03	0.20	0.07	0.72	1.64	0.95	1.07	0.33	2.76	-1.22
4	2.18	1.46	0.73	0.37	0.70	0.25	-0.13	-0.25	-0.19	-0.17	-0.22	-0.53	-0.50	-0.61	0.09	0.16	-0.30	-0.40	-0.18	0.30	0.27	0.01	0.01	0.37	0.14	2.18	-0.61
5	0.07	0.12	0.47	0.16	0.91	0.95	-0.14	-0.27	-0.29	-0.10	-0.16	-0.84	-0.92	-0.79	-0.55	-0.30	-0.30	0.02	0.22	0.64	0.73	1.42	1.25	0.65	0.12	1.42	-0.92
6	0.97	0.84	1.38	0.81	0.72	1.26	0.04	-0.50	-0.63	-0.93	-1.12	-1.14	-1.31	-1.21	-1.13	-1.00	-0.76	-0.41	0.00	0.68	0.89	1.44	2.13	0.98	0.08	2.13	-1.31
7	0.53	0.76	0.75	1.13	1.66	1.29	-0.04	-0.54	-0.82	-1.04	-1.11	-1.39	-1.31	-1.03	-1.05	-0.94	-0.65	-0.45	-0.12	0.51	0.51	0.81	1.13	1.82	0.02	1.82	-1.39
8	1.31	2.09	1.28	2.55	2.03	1.75	2.01	0.34	-0.42	-0.63	-0.28	-0.32	-0.30	-0.49	-0.53	-0.47	-0.31	-0.15	-0.03	0.24	0.85	0.21	0.16	0.10	0.46	2.55	-0.63
9	0.58	0.60	1.30	0.86	0.77	1.14	0.60	-0.41	-0.51	-0.80	-1.04	-1.16	-1.19	-1.15	-1.03	-1.05	-0.80	-0.51	-0.20	0.89	1.04	1.34	1.54	1.22	0.08	1.54	-1.19
10	2.17	2.41	2.49	2.40	1.21	1.56	0.26	-0.38	-0.46	-0.82	-0.97	-0.91	-1.03	-0.66	-1.18	-0.88	-0.26	0.23	0.36	0.71	0.49	0.33	0.62	0.68	0.35	2.49	-1.18
11	1.05	2.03	1.63	1.44	1.71	1.60	0.50	-0.40	-0.46	-0.62	-0.91	-1.06	-1.01	-1.17	-1.01	-0.85	-0.63	-0.29	0.07	0.93	0.97	1.57	1.36	2.38	0.37	2.38	-1.17
12	1.74	1.42	1.45	0.86	1.27	1.40	0.64	-0.15	-0.23	-0.14	0.12	-0.27	-1.14	-0.80	-0.93	-1.09	-0.74	0.17	1.10	0.39	0.51	0.48	0.61	0.69	0.31	1.74	-1.14
13	0.78	0.37	0.74	1.15	1.05	1.37	0.25	-0.39	-0.40	-0.47	-0.60	-0.77	-0.98	-1.05	-0.97	-1.01	-0.64	-0.32	0.76	0.90	0.55	1.23	1.76	2.14	0.23	2.14	-1.05
14	2.89	2.01	1.69	1.31	1.46	1.15	0.72	0.05	-0.14	-0.34	0.24	-0.32	-0.75	-1.28	-1.15	-0.24	0.77	0.76	0.15	0.11	0.17	0.45	0.33	0.47	0.44	2.89	-1.28
15	0.51	0.76	0.87	0.68	0.40	0.57	0.86	0.22	-0.27	-0.43	-0.77	-0.91	-1.01	-1.07	-1.06	-0.81	-0.60	-0.29	0.29	0.44	0.61	1.01	0.57	0.29	0.04	1.01	-1.07
16	0.49	0.27	0.49	0.93	1.42	0.21	-0.08	-0.19	-0.49	-0.36	-0.84	-0.68	-0.96	-1.06	-1.03	-0.65	-0.72	-0.11	-0.17	0.07	0.21	0.60	0.89	0.93	-0.03	1.42	-1.06
17	1.01	1.50	1.23	0.99	1.09	1.56	-0.02	-0.23	-0.30	-0.26	-0.17	-0.36	-0.39	-0.91	-0.83	-0.55	-0.62	-0.61	-0.02	0.90	0.21	0.01	0.16	0.55	0.16	1.56	-0.91
18	0.04	0.12	0.01	0.11	0.09	0.19	-0.08	-0.27	-0.40	-0.05	-0.48	-0.86	-0.68	-0.82	-0.53	-0.62	-0.60	-0.37	-0.23	0.95	0.92	0.50	0.62	0.62	-0.08	0.95	-0.86
19	0.70	0.99	0.99	0.91	1.50	1.31	0.25	-0.33	-0.43	-0.70	-0.99	-1.22	-1.30	-1.29	-1.34	-1.16	-0.85	-0.45	0.28	1.15	1.10	0.65	0.62	1.23	0.07	1.50	-1.34
20	1.47	1.17	1.40	1.25	1.46	1.51	0.80	-0.31	-0.39	-0.49	-0.74	-0.88	-1.08	-1.07	-0.89	-0.87	-0.54	-0.15	0.65	1.32	0.89	0.43	1.62	1.40	0.33	1.62	-1.08
21	1.94	0.90	1.09	1.24	1.09	1.24	0.64	-0.30	-0.44	-0.57	-0.74	-0.53	-0.75	-0.65	-0.37	-0.59	-0.33	-0.12	0.04	-0.01	-0.16	-0.15	-0.14	-0.15	0.09	1.94	-0.75
22	-0.18	-0.18	-0.12	-0.07	0.07	-0.02	-0.23	-0.34	-0.30	-0.48	-0.40	-1.10	-1.07	-1.33	-1.20	-1.07	-0.98	-0.59	0.33	1.40	0.57	0.23	0.42	1.14	-0.23	1.40	-1.33
23	1.88	1.73	2.06	1.71	1.05	1.26	0.86	-0.37	-0.48	-0.50	-0.75	-1.17	-1.17	-1.26	-1.07	-0.67	-0.69	-0.28	1.03	0.81	1.31	0.89	1.91	1.34	0.39	2.06	-1.26
24	1.30	1.77	2.30	2.57	2.91	2.37	1.24	-0.34	-0.39	-0.52	-0.55	-0.71	-0.95	-0.90	-0.89	-0.82	-0.17	0.46	0.87	0.89	1.04	0.76	0.84	1.73	0.62	2.91	-0.95
25	1.58	1.53	1.38	1.52	2.29	2.18	1.59	-0.28	-0.42	-0.50	-0.69	-0.93	-1.05	-1.03	-1.01	-0.84	-0.48	0.00	0.87	1.29	1.98	2.36	1.85	1.77	0.62	2.36	-1.05
26	1.31	1.80	1.58	1.08	2.26	2.38	1.31	-0.13	-0.46	-0.52	-0.80	-0.95	-1.22	-1.12	-0.75	-0.51	-0.62	-0.19	0.28	0.64	0.71	1.05	1.03	1.08	0.38	2.38	-1.22
27	0.92	1.10	1.52	1.41	0.71	0.81	0.48	0.50	0.16	-0.24	-0.20	-0.37	-0.31	-0.88	-0.77	-0.53	-0.23	0.91	0.69	1.32	0.67	0.40	1.03	0.97	0.42	1.52	-0.88
28	0.62	0.41	0.75	1.62	1.47	1.21	1.25	-0.20	-0.36	-0.57	-1.00	-0.95	-1.00	-0.99	-1.01	-0.60	-0.35	0.79	0.70	0.49	0.61	1.88	0.76	0.34	0.24	1.88	-1.01
29	0.31	0.74	0.88	1.28	1.00	0.67	0.65	-0.02	-0.24	-0.21	-0.41	-0.78	-0.58	-0.46	-0.43	-0.45	0.08	0.31	0.10	0.22	0.12	0.20	0.38	0.22	0.15	1.28	-0.78
30	0.36	0.80	0.33	0.12	0.34	0.32	0.23	0.09	-0.14	-0.71	-0.83	-0.94	-0.77	-0.92	-0.74	-0.58	-0.21	0.04	0.11	0.24	0.23	0.10	0.10	0.50	-0.08	0.80	-0.94
31	0.46	0.35	0.55	0.41	0.43	0.56	0.46	-0.34	-0.71	-0.79	-1.00	-1.27	-1.31	-1.29	-1.27	-1.08	-0.80	-0.41	0.89	1.52	0.26	0.50	1.34	0.91	-0.07	1.52	-1.31
Avg	1.10	1.13	1.19	1.21	1.23	1.19	0.48	-0.23	-0.39	-0.51	-0.64	-0.84	-0.94	-0.98	-0.87	-0.70	-0.47	-0.08	0.32	0.71	0.66	0.75	0.90	0.97	0.22	1.90	-1.06
Max	2.89	2.41	2.76	2.57	2.91	2.38	2.01	0.50	0.16	-0.05	0.24	-0.27	-0.30	-0.46	0.09	0.16	0.77	0.91	1.10	1.52	1.98	2.36	2.13	2.38	0.62	2.91	-0.61
Min	-0.18	-0.18	-0.12	-0.07	0.07	-0.02	-0.23	-0.54	-0.82	-1.04	-1.12	-1.39	-1.31	-1.33	-1.34	-1.16	-0.98	-0.61	-0.23	-0.01	-0.16	-0.15	-0.14	-0.15	-0.23	0.80	-1.39

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
September 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.24	1.01	1.37	1.53	1.30	1.03	1.06	-0.36	-0.55	-0.91	-1.05	-1.11	-1.24	-1.38	-0.94	-0.76	-0.64	-0.49	0.27	1.35	1.14	0.99	1.79	1.92	0.27	1.92	-1.38
2	1.11	1.64	2.39	1.79	1.68	1.96	1.26	-0.29	-0.62	-0.82	-0.76	-1.14	-1.02	-1.25	-0.52	-0.52	-0.05	0.10	0.37	0.48	0.68	1.06	1.52	1.00	0.42	2.39	-1.25
3	1.73	2.66	1.35	1.69	1.55	1.00	-0.03	-0.38	-0.49	-0.86	-1.06	-0.75	-1.21	-1.00	-0.99	-0.71	-0.26	-0.06	0.10	0.01	0.28	0.42	0.46	-0.02	0.14	2.66	-1.21
4	-0.07	-0.08	-0.07	-0.08	0.09	0.09	-0.10	-0.18	-0.21	-0.20	-0.27	-0.29	-0.41	-0.60	-0.72	-0.61	-0.30	-0.18	-0.06	-0.02	-0.03	-0.03	-0.10	-0.05	-0.19	0.09	-0.72
5	-0.07	0.01	0.30	0.01	-0.01	-0.07	-0.12	-0.28	-0.52	-0.72	-0.49	-0.27	-0.22	-0.22	-0.23	-0.39	-0.07	0.04	-0.13	-0.02	0.11	0.07	0.24	0.39	-0.11	0.39	-0.72
6	0.38	0.16	0.31	0.10	0.63	0.83	0.37	0.09	-0.35	-0.48	-0.78	-0.98	-1.07	-1.19	-0.90	-0.92	-0.40	-0.05	0.27	1.32	1.13	0.24	0.50	0.16	-0.03	1.32	-1.19
7	0.10	0.15	0.57	0.68	1.45	0.83	0.29	-0.16	-0.40	-0.43	-0.51	-1.07	-1.06	-0.88	-0.79	-0.73	-0.32	-0.02	0.22	0.97	1.06	0.81	0.53	0.58	0.08	1.45	-1.07
8	1.00	1.09	1.09	1.01	1.46	1.37	0.41	-0.37	-0.55	-0.65	Au	Au	Au	Au	Au	-0.63	-0.15	-0.01	0.34	0.52	0.80	0.48	0.36	0.43	0.42	1.46	-0.65
9	0.60	0.56	0.74	0.34	1.12	0.66	0.41	-0.35	-0.47	-0.55	-0.76	-0.90	-1.21	-1.06	-0.92	-0.86	-0.33	0.19	0.49	1.04	0.75	0.70	0.54	0.94	0.07	1.12	-1.21
10	0.64	0.59	0.97	1.10	1.20	1.32	0.55	-0.37	-0.52	-0.84	-1.02	-1.18	-1.29	-1.16	-1.12	-0.99	-0.79	-0.36	0.44	1.04	1.11	0.95	0.98	1.45	0.11	1.45	-1.29
11	1.17	0.86	0.89	1.03	1.31	1.52	1.13	0.00	-0.41	-0.48	-0.77	-1.12	-0.89	-1.02	-0.89	-0.78	-0.59	-0.26	1.21	0.56	0.36	1.63	1.83	1.35	0.32	1.83	-1.12
12	1.50	1.84	2.03	1.70	1.72	1.69	0.97	-0.24	-0.39	-0.75	-0.96	-1.02	-1.12	-1.08	-1.00	-0.85	-0.59	-0.07	1.53	1.31	1.01	1.55	1.66	1.73	0.51	2.03	-1.12
13	1.61	1.75	1.60	1.84	1.74	1.56	1.31	-0.20	-0.39	-0.75	-0.97	-1.09	-1.14	-1.12	-1.01	-0.80	-0.48	0.06	1.30	2.08	1.63	1.81	1.17	1.36	0.54	2.08	-1.14
14	0.93	1.18	0.80	0.47	0.69	0.58	0.31	-0.43	-0.60	-0.70	-0.86	-0.72	-1.03	-0.79	-0.46	-0.18	0.33	0.13	0.14	0.19	0.27	0.09	0.11	0.17	0.03	1.18	-1.03
15	0.74	1.42	0.70	-0.01	0.07	0.20	0.03	-0.03	-0.07	-0.19	-0.40	-0.51	-0.83	-1.01	-0.74	-0.51	-0.50	-0.20	0.05	0.00	-0.05	0.36	0.30	-0.13	-0.05	1.42	-1.01
16	-0.05	-0.12	-0.15	-0.10	-0.07	0.00	-0.09	-0.14	-0.20	-0.20	-0.23	-0.31	-0.28	-0.34	-0.28	-0.13	-0.38	-0.16	0.48	0.17	0.41	0.40	0.13	0.26	-0.06	0.48	-0.38
17	-0.07	-0.04	0.03	0.35	0.13	0.03	-0.14	-0.24	-0.23	-0.29	-0.69	-1.00	-1.06	-0.79	-0.52	-0.66	-0.08	-0.08	-0.04	0.19	-0.02	-0.02	0.00	-0.07	-0.22	0.35	-1.06
18	-0.13	-0.03	-0.01	-0.11	0.12	0.45	-0.07	-0.10	-0.40	-0.52	-0.56	-0.60	-1.09	-0.94	-0.93	-0.56	-0.31	-0.13	0.43	1.06	0.99	0.77	0.64	0.63	-0.06	1.06	-1.09
19	1.46	1.16	0.54	0.55	0.35	0.31	0.89	-0.07	-0.43	-0.75	-0.85	-1.02	-1.06	-0.91	-0.82	-0.47	-0.40	0.01	0.76	1.25	1.01	1.26	1.08	1.52	0.22	1.52	-1.06
20	1.73	1.17	0.91	1.04	0.58	0.78	0.92	-0.04	-0.28	-0.45	-0.60	-1.01	-0.99	-0.97	-0.91	-0.64	-0.35	0.00	1.47	2.07	0.92	1.41	2.33	1.80	0.45	2.33	-1.01
21	2.41	2.70	2.88	1.13	0.76	0.72	1.23	0.07	-0.49	-0.60	-0.68	-0.92	-1.10	-1.22	-1.05	-0.92	-0.41	0.00	0.54	0.51	0.16	0.08	0.07	0.20	0.25	2.88	-1.22
22	0.38	0.62	0.55	0.43	0.39	0.25	0.23	-0.31	-0.75	-1.10	-1.07	-0.73	-0.85	-0.79	-0.54	-0.50	-0.10	0.10	0.46	0.94	1.09	0.90	0.65	1.31	0.07	1.31	-1.10
23	1.54	1.37	1.35	1.32	1.30	1.33	0.86	0.12	-0.45	-0.45	-0.51	-0.87	-0.83	-0.93	-0.93	-0.61	-0.39	0.37	0.69	0.13	0.65	1.17	1.30	1.68	0.38	1.68	-0.93
24	1.97	1.27	1.82	1.56	1.56	1.48	1.20	-0.17	-0.36	-0.46	-0.48	-0.70	-0.65	-0.79	-0.77	-0.65	0.11	0.69	0.65	0.61	1.14	1.97	2.24	2.36	0.65	2.36	-0.79
25	2.00	2.25	2.03	2.25	1.82	1.31	1.01	0.22	-0.30	-0.32	-0.74	-0.89	-0.93	-0.88	-0.73	-0.54	0.11	0.82	0.51	0.75	1.16	1.17	1.47	1.43	0.62	2.25	-0.93
26	1.74	1.96	1.84	1.90	1.95	1.93	2.05	1.46	-0.10	-0.15	-0.06	-0.16	-0.26	-0.59	-0.33	-0.31	-0.25	0.41	1.95	0.73	0.41	1.24	1.49	1.15	0.83	2.05	-0.59
27	0.84	0.97	0.80	0.34	0.45	0.69	1.25	-0.03	-0.45	-0.73	-0.98	-1.04	-1.12	-0.60	-0.63	-0.70	-0.40	0.33	1.14	1.20	1.19	1.20	0.71	0.88	0.22	1.25	-1.12
28	0.68	0.83	0.85	1.67	1.79	1.51	1.44	0.24	-0.35	-0.59	-0.75	-0.73	-1.07	-1.02	-0.92	-0.74	-0.51	0.18	0.39	0.17	1.15	1.26	1.38	1.44	0.35	1.79	-1.07
29	1.61	1.79	2.09	1.81	1.89	2.10	1.15	0.56	-0.38	-0.60	-0.95	-1.03	-1.15	-1.04	-0.97	-0.70	-0.36	0.62	1.54	0.55	0.32	1.55	1.56	1.76	0.57	2.10	-1.15
30	1.83	1.93	1.80	2.26	1.79	1.52	2.10	0.51	-0.42	-0.43	-0.77	-1.02	-0.94	-1.07	-0.84	-0.62	-0.16	0.91	0.30	0.26	0.88	1.57	1.69	1.68	0.61	2.26	-1.07
Avg	1.02	1.09	1.08	0.99	1.03	0.97	0.73	-0.05	-0.40	-0.57	-0.71	-0.83	-0.94	-0.92	-0.77	-0.63	-0.30	0.10	0.59	0.71	0.72	0.90	0.95	0.98	0.25	1.62	-1.02
Max	2.41	2.70	2.88	2.26	1.95	2.10	2.10	1.46	-0.07	-0.15	-0.06	-0.16	-0.22	-0.22	-0.23	-0.13	0.33	0.91	1.95	2.08	1.63	1.97	2.33	2.36	0.83	2.88	-0.38
Min	-0.13	-0.12	-0.15	-0.11	-0.07	-0.07	-0.14	-0.43	-0.75	-1.10	-1.07	-1.18	-1.29	-1.38	-1.12	-0.99	-0.79	-0.49	-0.13	-0.02	-0.05	-0.03	-0.10	-0.13	-0.22	0.09	-1.38

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
July 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	5	94	250	425	594	745	820	869	808	948	832	594	531	351	208	51	3	0	0	0	339	948	0
2	0	0	0	0	6	76	210	418	583	733	853	914	934	937	538	668	567	348	222	68	3	0	0	0	337	937	0
3	0	0	0	0	4	75	226	403	576	727	846	947	992	951	757	546	470	349	221	71	4	0	0	0	340	992	0
4	0	0	0	0	4	83	238	414	584	740	852	940	926	938	843	664	574	406	160	59	6	0	0	0	351	940	0
5	0	0	0	0	1	14	115	88	102	81	121	116	152	120	95	55	90	47	16	12	1	0	0	0	51	152	0
6	0	0	0	0	1	22	69	290	335	291	353	431	512	437	328	592	476	355	225	71	2	0	0	0	200	592	0
7	0	0	0	0	3	51	208	344	502	452	169	314	689	633	560	675	538	154	81	35	3	0	0	0	225	689	0
8	0	0	0	0	4	79	229	403	547	616	910	983	1017	979	904	812	586	442	259	57	3	0	0	0	368	1017	0
9	0	0	0	0	3	45	167	320	490	648	771	850	917	926	863	737	586	413	235	47	3	0	0	0	334	926	0
10	0	0	0	0	4	45	229	413	576	594	737	622	322	99	57	224	144	175	140	53	3	0	0	0	185	737	0
11	0	0	0	0	0	15	69	92	86	131	187	318	388	646	528	321	345	284	144	50	2	0	0	0	150	646	0
12	0	0	0	0	2	45	104	162	181	289	432	358	637	437	784	584	586	402	241	77	2	0	0	0	222	784	0
13	0	0	0	0	4	23	115	274	549	732	861	611	753	799	713	551	581	393	41	1	0	0	0	0	292	861	0
14	0	0	0	0	1	71	157	358	552	637	840	908	765	735	443	346	298	143	59	28	3	0	0	0	264	908	0
15	0	0	0	0	3	72	62	89	102	545	657	846	508	451	670	434	151	144	140	37	4	0	0	0	205	846	0
16	0	0	0	0	2	48	179	368	511	611	554	425	585	400	342	512	351	238	239	72	2	0	0	0	227	611	0
17	0	0	0	0	2	35	202	417	559	641	742	664	791	560	600	416	216	178	96	28	1	0	0	0	256	791	0
18	0	0	0	0	0	34	68	64	200	284	478	682	668	907	788	726	550	350	184	69	2	0	0	0	252	907	0
19	0	0	0	0	2	73	228	398	564	719	625	494	449	484	504	611	438	258	129	67	2	0	0	0	252	719	0
20	0	0	0	0	1	61	214	388	557	712	730	919	611	969	661	611	357	153	115	44	1	0	0	0	296	969	0
21	0	0	0	0	2	57	191	375	548	706	802	931	681	545	253	419	526	295	126	62	1	0	0	0	272	931	0
22	0	0	0	0	1	58	251	230	174	178	194	492	929	578	390	383	318	222	161	18	0	0	0	0	191	929	0
23	0	0	0	0	0	5	31	63	126	194	408	684	668	452	709	531	150	52	82	26	1	0	0	0	174	709	0
24	0	0	0	0	1	56	211	380	557	692	804	925	685	507	545	419	383	238	210	46	0	0	0	0	277	925	0
25	0	0	0	0	1	60	202	375	545	700	788	480	642	401	570	505	524	107	130	17	0	0	0	0	252	788	0
26	0	0	0	0	0	54	199	369	415	492	755	667	526	708	667	575	307	67	61	22	0	0	0	0	245	755	0
27	0	0	0	0	0	16	33	54	82	82	78	43	40	51	133	83	64	80	34	9	0	0	0	0	37	133	0
28	0	0	0	0	0	6	54	103	213	430	424	505	399	575	700	720	335	277	223	46	1	0	0	0	209	720	0
29	0	0	0	0	0	52	206	377	549	705	822	845	933	896	836	701	547	378	201	46	0	0	0	0	337	933	0
30	0	0	0	0	0	48	199	373	548	703	823	898	926	896	821	701	546	376	202	45	0	0	0	0	338	926	0
31	0	0	0	0	0	42	203	373	491	697	829	913	934	899	822	702	549	374	202	46	0	0	0	0	337	934	0
Avg	0	0	0	0	2	49	165	297	419	532	621	664	671	641	589	530	409	260	154	45	2	0	0	0	252	795	0
Max	0	0	0	0	6	94	251	425	594	745	910	983	1017	979	904	812	586	442	259	77	6	0	0	0	368	1017	0
Min	0	0	0	0	0	5	31	54	82	81	78	43	40	51	57	55	64	47	16	1	0	0	0	0	37	133	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
August 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	39	202	374	539	693	817	892	916	878	783	442	378	369	188	32	0	0	0	0	314	916	0
2	0	0	0	0	0	40	139	316	490	655	764	872	926	881	797	653	503	290	140	26	0	0	0	0	312	926	0
3	0	0	0	0	1	41	158	324	473	560	771	813	856	845	662	628	523	227	125	31	0	0	0	0	293	856	0
4	0	0	0	0	0	11	71	153	110	182	216	418	425	680	110	21	273	319	143	27	0	0	0	0	132	680	0
5	0	0	0	0	0	39	116	171	211	154	223	628	786	631	387	223	188	53	18	11	0	0	0	0	160	786	0
6	0	0	0	0	0	23	175	344	522	685	811	761	909	792	741	694	531	360	180	30	0	0	0	0	315	909	0
7	0	0	0	0	0	29	181	360	536	692	817	900	937	897	804	694	529	355	178	23	0	0	0	0	331	937	0
8	0	0	0	0	0	11	55	124	289	365	180	161	148	229	221	169	103	60	37	11	0	0	0	0	90	365	0
9	0	0	0	0	0	8	153	340	514	665	791	876	912	884	824	696	536	361	181	17	0	0	0	0	323	912	0
10	0	0	0	0	0	23	158	328	504	655	782	869	847	686	822	743	280	115	80	14	0	0	0	0	288	869	0
11	0	0	0	0	0	19	152	331	502	660	780	849	884	864	782	628	458	299	139	13	0	0	0	0	307	884	0
12	0	0	0	0	0	18	88	142	178	123	101	254	864	835	769	649	434	140	12	12	0	0	0	0	192	864	0
13	0	0	0	0	0	18	135	304	441	613	706	784	731	757	712	591	425	291	107	10	0	0	0	0	276	784	0
14	0	0	0	0	0	9	64	132	239	324	115	468	862	838	685	221	21	8	60	8	0	0	0	0	169	862	0
15	0	0	0	0	0	9	88	245	393	517	672	722	747	755	676	562	415	278	113	12	0	0	0	0	259	755	0
16	0	0	0	0	0	3	23	158	282	179	618	515	631	685	668	301	389	117	67	11	0	0	0	0	194	685	0
17	0	0	0	0	0	8	46	147	249	93	150	309	289	599	477	294	281	290	90	9	0	0	0	0	139	599	0
18	0	0	0	0	0	2	26	93	160	62	292	375	416	428	347	271	287	175	122	8	0	0	0	0	128	428	0
19	0	0	0	0	0	10	149	311	478	629	758	807	830	801	733	613	442	265	91	6	0	0	0	0	288	830	0
20	0	0	0	0	0	7	88	241	394	463	519	668	741	685	543	522	352	196	75	9	0	0	0	0	229	741	0
21	0	0	0	0	0	2	59	193	364	486	517	337	513	438	281	429	300	185	76	4	0	0	0	0	174	517	0
22	0	0	0	0	0	5	85	117	98	285	228	690	531	757	760	628	471	298	118	5	0	0	0	0	212	760	0
23	0	0	0	0	0	7	102	256	408	571	703	772	811	789	694	562	407	240	81	4	0	0	0	0	267	811	0
24	0	0	0	0	0	6	92	251	416	575	704	644	762	557	573	489	193	112	75	2	0	0	0	0	227	762	0
25	0	0	0	0	0	5	81	230	401	571	678	762	757	733	692	530	346	214	70	3	0	0	0	0	253	762	0
26	0	0	0	0	0	3	47	186	418	568	664	743	775	737	542	390	416	225	52	4	0	0	0	0	240	775	0
27	0	0	0	0	0	1	1	67	103	165	210	282	268	583	482	311	247	93	49	2	0	0	0	0	119	583	0
28	0	0	0	0	0	5	48	181	363	561	725	747	668	637	661	359	253	80	27	0	0	0	0	0	221	747	0
29	0	0	0	0	0	2	19	171	205	273	369	491	399	315	474	341	93	46	17	0	0	0	0	0	134	491	0
30	0	0	0	0	0	0	8	26	247	601	697	664	629	657	519	395	170	107	9	0	0	0	0	0	197	697	0
31	0	0	0	0	0	4	84	252	469	532	717	773	821	798	702	568	407	230	54	0	0	0	0	0	267	821	0
Avg	0	0	0	0	0	13	93	222	355	457	551	640	696	698	610	472	344	206	89	11	0	0	0	0	227	752	0
Max	0	0	0	0	1	41	202	374	539	693	817	900	937	897	824	743	536	369	188	32	0	0	0	0	331	937	0
Min	0	0	0	0	0	0	1	26	98	62	101	161	148	229	110	21	21	8	9	0	0	0	0	0	90	365	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
September 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	3	80	281	452	609	734	816	842	841	554	425	364	292	82	1	0	0	0	0	266	842	0
2	0	0	0	0	0	2	70	258	451	513	548	794	659	786	286	289	114	82	25	0	0	0	0	0	203	794	0
3	0	0	0	0	0	1	94	290	336	448	654	334	827	552	451	242	67	37	9	0	0	0	0	0	181	827	0
4	0	0	0	0	0	0	18	40	44	37	65	100	223	230	316	270	123	13	22	0	0	0	0	0	63	316	0
5	0	0	0	0	0	0	13	133	264	353	129	91	86	105	140	313	88	28	21	0	0	0	0	0	74	353	0
6	0	0	0	0	0	1	27	120	347	436	566	740	781	797	545	520	214	99	32	0	0	0	0	0	218	797	0
7	0	0	0	0	0	1	71	148	215	182	273	660	586	429	361	305	147	49	17	0	0	0	0	0	144	660	0
8	0	0	0	0	0	3	85	211	368	378	Au	Au	Au	Au	Au	290	89	68	7	0	0	0	0	0	79	378	0
9	0	0	0	0	0	1	60	239	358	338	411	516	706	641	578	478	240	82	18	0	0	0	0	0	194	706	0
10	0	0	0	0	0	1	60	232	385	560	682	775	779	731	644	508	355	184	28	0	0	0	0	0	247	779	0
11	0	0	0	0	0	0	67	236	411	567	680	744	758	725	642	541	339	179	28	0	0	0	0	0	247	758	0
12	0	0	0	0	0	1	64	235	410	565	692	768	790	746	655	520	357	179	22	0	0	0	0	0	250	790	0
13	0	0	0	0	0	1	56	222	396	552	682	760	781	737	644	509	344	144	8	0	0	0	0	0	243	781	0
14	0	0	0	0	0	1	56	306	463	487	616	587	646	442	234	144	44	13	5	0	0	0	0	0	169	646	0
15	0	0	0	0	0	0	1	36	46	94	254	283	497	618	350	169	158	49	2	0	0	0	0	0	107	618	0
16	0	0	0	0	0	0	2	21	61	83	116	130	118	132	126	51	212	103	10	0	0	0	0	0	49	212	0
17	0	0	0	0	0	0	29	191	297	343	724	620	671	408	263	413	63	32	15	0	0	0	0	0	170	724	0
18	0	0	0	0	0	0	12	93	355	406	383	336	764	573	543	308	174	97	7	0	0	0	0	0	169	764	0
19	0	0	0	0	0	0	36	208	381	533	655	723	722	553	494	284	285	112	4	0	0	0	0	0	208	723	0
20	0	0	0	0	0	0	44	183	378	371	419	744	683	681	616	411	277	151	8	0	0	0	0	0	207	744	0
21	0	0	0	0	0	0	39	204	371	359	440	601	719	708	592	498	205	108	4	0	0	0	0	0	202	719	0
22	0	0	0	0	0	0	33	197	367	516	639	706	718	677	462	355	153	90	6	0	0	0	0	0	205	718	0
23	0	0	0	0	0	0	17	194	360	512	634	700	715	674	575	441	278	107	4	0	0	0	0	0	217	715	0
24	0	0	0	0	0	0	43	187	328	469	528	646	508	619	541	442	181	69	2	0	0	0	0	0	190	646	0
25	0	0	0	0	0	0	29	179	326	480	630	683	708	652	573	443	208	54	1	0	0	0	0	0	207	708	0
26	0	0	0	0	0	0	13	85	202	206	190	240	235	407	257	261	229	91	3	0	0	0	0	0	101	407	0
27	0	0	0	0	0	0	20	163	346	459	606	701	630	345	375	405	264	90	2	0	0	0	0	0	184	701	0
28	0	0	0	0	0	0	33	126	356	498	657	651	697	651	555	425	258	82	1	0	0	0	0	0	208	697	0
29	0	0	0	0	0	0	29	183	354	511	629	691	696	647	552	417	250	78	1	0	0	0	0	0	210	696	0
30	0	0	0	0	0	0	20	166	336	491	605	671	684	639	544	389	212	37	0	0	0	0	0	0	200	684	0
Avg	0	0	0	0	0	1	41	179	325	412	512	580	629	577	464	369	210	93	13	0	0	0	0	0	181	663	0
Max	0	0	0	0	0	3	94	306	463	609	734	816	842	841	655	541	364	292	82	1	0	0	0	0	266	842	0
Min	0	0	0	0	0	0	1	21	44	37	65	91	86	105	126	51	44	13	0	0	0	0	0	0	49	212	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
July 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.54	24.54	24.54	24.54	24.54	24.54	24.55	24.54	24.54	24.53	24.52	24.52	24.53	24.53	24.52	24.52	24.51	24.51	24.52	24.55	24.57	24.59	24.60	24.61	24.54	24.61	24.51
2	24.61	24.61	24.62	24.62	24.63	24.63	24.64	24.63	24.62	24.61	24.60	24.59	24.58	24.58	24.56	24.56	24.55	24.54	24.54	24.54	24.54	24.55	24.55	24.55	24.59	24.64	24.54
3	24.55	24.54	24.53	24.53	24.52	24.52	24.51	24.50	24.50	24.48	24.48	24.47	24.45	24.44	24.42	24.41	24.40	24.39	24.38	24.38	24.39	24.40	24.41	24.40	24.46	24.55	24.38
4	24.40	24.39	24.39	24.39	24.40	24.41	24.42	24.41	24.41	24.40	24.39	24.39	24.38	24.37	24.36	24.34	24.32	24.31	24.31	24.32	24.32	24.35	24.35	24.37	24.37	24.42	24.31
5	24.40	24.43	24.43	24.45	24.47	24.48	24.50	24.51	24.51	24.51	24.52	24.53	24.53	24.53	24.54	24.55	24.56	24.56	24.57	24.58	24.60	24.61	24.62	24.62	24.53	24.62	24.40
6	24.63	24.63	24.63	24.62	24.63	24.63	24.63	24.63	24.63	24.63	24.62	24.62	24.61	24.60	24.58	24.57	24.56	24.55	24.54	24.54	24.55	24.56	24.56	24.56	24.60	24.63	24.54
7	24.55	24.54	24.54	24.54	24.53	24.54	24.55	24.55	24.54	24.54	24.55	24.55	24.53	24.51	24.51	24.51	24.51	24.52	24.51	24.52	24.53	24.54	24.54	24.53	24.53	24.55	24.51
8	24.52	24.51	24.51	24.51	24.51	24.51	24.53	24.52	24.51	24.49	24.48	24.47	24.45	24.44	24.42	24.40	24.39	24.39	24.39	24.39	24.40	24.41	24.42	24.42	24.46	24.53	24.39
9	24.41	24.41	24.41	24.40	24.40	24.40	24.41	24.41	24.40	24.39	24.38	24.37	24.35	24.33	24.32	24.31	24.30	24.30	24.30	24.30	24.31	24.32	24.33	24.33	24.36	24.41	24.30
10	24.33	24.33	24.33	24.33	24.34	24.34	24.34	24.34	24.33	24.32	24.32	24.31	24.30	24.32	24.34	24.34	24.33	24.34	24.34	24.34	24.33	24.34	24.35	24.34	24.33	24.35	24.30
11	24.34	24.33	24.34	24.35	24.35	24.36	24.37	24.37	24.38	24.39	24.40	24.41	24.41	24.40	24.39	24.37	24.36	24.36	24.37	24.37	24.38	24.40	24.40	24.40	24.38	24.41	24.33
12	24.39	24.39	24.39	24.39	24.40	24.41	24.42	24.42	24.44	24.44	24.45	24.46	24.47	24.46	24.45	24.45	24.44	24.44	24.45	24.45	24.46	24.48	24.49	24.48	24.44	24.49	24.39
13	24.48	24.48	24.48	24.48	24.49	24.51	24.50	24.51	24.51	24.50	24.49	24.49	24.48	24.46	24.46	24.44	24.43	24.42	24.42	24.48	24.53	24.51	24.51	24.51	24.48	24.53	24.42
14	24.50	24.49	24.49	24.49	24.48	24.49	24.50	24.51	24.50	24.50	24.50	24.50	24.49	24.47	24.46	24.46	24.44	24.44	24.44	24.45	24.46	24.47	24.47	24.47	24.48	24.51	24.44
15	24.47	24.46	24.45	24.45	24.45	24.46	24.47	24.47	24.46	24.46	24.45	24.44	24.44	24.43	24.41	24.40	24.41	24.40	24.40	24.42	24.44	24.45	24.44	24.43	24.44	24.47	24.40
16	24.42	24.41	24.41	24.40	24.40	24.40	24.41	24.40	24.38	24.38	24.37	24.36	24.34	24.34	24.33	24.34	24.35	24.34	24.35	24.37	24.37	24.39	24.40	24.40	24.38	24.42	24.33
17	24.40	24.39	24.37	24.37	24.37	24.37	24.37	24.36	24.35	24.35	24.35	24.34	24.34	24.34	24.35	24.37	24.39	24.40	24.41	24.43	24.44	24.47	24.47	24.48	24.39	24.48	24.34
18	24.48	24.49	24.49	24.51	24.51	24.52	24.54	24.55	24.56	24.56	24.56	24.56	24.54	24.54	24.53	24.51	24.50	24.49	24.49	24.48	24.49	24.50	24.50	24.51	24.52	24.56	24.48
19	24.50	24.50	24.49	24.50	24.50	24.52	24.52	24.53	24.53	24.53	24.53	24.54	24.54	24.54	24.54	24.54	24.54	24.53	24.53	24.55	24.56	24.58	24.58	24.58	24.53	24.58	24.49
20	24.58	24.58	24.58	24.58	24.58	24.58	24.58	24.57	24.55	24.53	24.53	24.52	24.51	24.49	24.47	24.45	24.44	24.43	24.43	24.42	24.43	24.44	24.44	24.44	24.51	24.58	24.42
21	24.44	24.43	24.43	24.43	24.43	24.44	24.44	24.43	24.42	24.40	24.39	24.37	24.35	24.33	24.34	24.34	24.34	24.33	24.33	24.32	24.34	24.34	24.34	24.34	24.38	24.44	24.32
22	24.34	24.33	24.32	24.32	24.31	24.31	24.32	24.32	24.33	24.33	24.34	24.34	24.32	24.31	24.32	24.32	24.31	24.30	24.31	24.32	24.33	24.34	24.34	24.34	24.32	24.34	24.30
23	24.35	24.36	24.36	24.36	24.37	24.37	24.38	24.39	24.40	24.42	24.43	24.44	24.43	24.43	24.42	24.41	24.43	24.46	24.46	24.46	24.46	24.47	24.48	24.49	24.42	24.49	24.35
24	24.49	24.49	24.49	24.50	24.50	24.51	24.52	24.53	24.53	24.52	24.51	24.50	24.48	24.48	24.49	24.47	24.45	24.45	24.45	24.45	24.47	24.48	24.49	24.49	24.49	24.53	24.45
25	24.50	24.50	24.50	24.49	24.49	24.50	24.51	24.51	24.50	24.49	24.48	24.47	24.46	24.44	24.43	24.41	24.39	24.39	24.40	24.41	24.41	24.41	24.42	24.42	24.46	24.51	24.39
26	24.41	24.41	24.41	24.40	24.40	24.41	24.42	24.41	24.40	24.40	24.38	24.38	24.37	24.35	24.33	24.33	24.32	24.33	24.35	24.35	24.36	24.38	24.37	24.36	24.38	24.42	24.32
27	24.36	24.34	24.32	24.35	24.33	24.32	24.32	24.31	24.33	24.32	24.32	24.34	24.34	24.36	24.37	24.37	24.38	24.38	24.39	24.40	24.41	24.44	24.44	24.45	24.36	24.45	24.31
28	24.45	24.45	24.46	24.47	24.48	24.49	24.51	24.52	24.54	24.55	24.56	24.57	24.57	24.57	24.57	24.57	24.57	24.58	24.59	24.60	24.61	24.62	24.62	24.63	24.55	24.63	24.45
29	24.63	24.63	24.64	24.64	24.65	24.66	24.68	24.69	24.68	24.67	24.67	24.66	24.65	24.65	24.65	24.63	24.63	24.62	24.62	24.63	24.65	24.67	24.68	24.68	24.65	24.69	24.62
30	24.68	24.68	24.69	24.69	24.70	24.72	24.73	24.74	24.73	24.72	24.72	24.72	24.71	24.70	24.69	24.68	24.67	24.66	24.66	24.66	24.67	24.68	24.69	24.69	24.70	24.74	24.66
31	24.69	24.69	24.69	24.68	24.68	24.69	24.70	24.69	24.69	24.67	24.67	24.67	24.65	24.64	24.63	24.62	24.60	24.59	24.58	24.59	24.60	24.61	24.60	24.60	24.65	24.70	24.58
Avg	24.48	24.48	24.48	24.48	24.48	24.49	24.49	24.49	24.49	24.48	24.48	24.48	24.47	24.46	24.46	24.45	24.45	24.44	24.45	24.45	24.46	24.48	24.48	24.48	24.47	24.53	24.42
Max	24.69	24.69	24.69	24.69	24.70	24.72	24.73	24.74	24.73	24.72	24.72	24.72	24.71	24.70	24.69	24.68	24.67	24.66	24.66	24.66	24.67	24.68	24.69	24.69	24.70	24.74	24.66
Min	24.33	24.33	24.32	24.32	24.31	24.31	24.32	24.31	24.33	24.32	24.32	24.31	24.30	24.31	24.32	24.31	24.30	24.30	24.30	24.30	24.31	24.32	24.33	24.33	24.32	24.34	24.30

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
August 2015

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	24.59	24.58	24.58	24.57	24.56	24.57	24.58	24.58	24.57	24.55	24.55	24.53	24.51	24.50	24.49	24.48	24.47	24.46	24.45	24.45	24.47	24.48	24.48	24.49	24.52	24.59	24.45
2	24.49	24.49	24.50	24.50	24.50	24.51	24.53	24.54	24.54	24.53	24.53	24.53	24.52	24.51	24.50	24.49	24.47	24.47	24.46	24.47	24.49	24.49	24.50	24.49	24.50	24.54	24.46
3	24.49	24.48	24.48	24.47	24.47	24.47	24.48	24.47	24.46	24.44	24.44	24.43	24.43	24.42	24.41	24.39	24.38	24.37	24.37	24.37	24.38	24.39	24.40	24.40	24.43	24.49	24.37
4	24.41	24.41	24.41	24.42	24.43	24.45	24.45	24.44	24.45	24.46	24.47	24.47	24.47	24.44	24.44	24.46	24.45	24.46	24.45	24.45	24.48	24.49	24.47	24.47	24.45	24.49	24.41
5	24.47	24.46	24.46	24.45	24.44	24.44	24.45	24.45	24.44	24.44	24.44	24.43	24.41	24.40	24.38	24.38	24.39	24.39	24.40	24.41	24.41	24.41	24.41	24.41	24.42	24.47	24.38
6	24.41	24.40	24.40	24.41	24.41	24.42	24.42	24.43	24.43	24.43	24.42	24.41	24.40	24.39	24.39	24.38	24.38	24.39	24.39	24.41	24.42	24.43	24.43	24.44	24.41	24.44	24.38
7	24.44	24.44	24.44	24.44	24.44	24.44	24.46	24.46	24.46	24.45	24.44	24.43	24.41	24.40	24.39	24.38	24.38	24.38	24.38	24.38	24.39	24.41	24.41	24.41	24.42	24.46	24.38
8	24.40	24.40	24.40	24.41	24.42	24.41	24.41	24.41	24.42	24.44	24.44	24.44	24.44	24.45	24.47	24.47	24.47	24.47	24.47	24.47	24.48	24.48	24.48	24.49	24.44	24.49	24.40
9	24.50	24.49	24.50	24.50	24.51	24.51	24.53	24.55	24.55	24.55	24.55	24.55	24.55	24.54	24.54	24.53	24.53	24.53	24.53	24.55	24.57	24.58	24.58	24.59	24.54	24.59	24.49
10	24.59	24.59	24.59	24.59	24.59	24.60	24.61	24.61	24.60	24.60	24.59	24.58	24.56	24.55	24.53	24.52	24.51	24.50	24.51	24.52	24.56	24.56	24.56	24.56	24.57	24.61	24.50
11	24.56	24.55	24.55	24.55	24.56	24.57	24.59	24.59	24.59	24.59	24.58	24.58	24.57	24.56	24.55	24.54	24.53	24.53	24.52	24.53	24.55	24.56	24.56	24.56	24.56	24.59	24.52
12	24.56	24.56	24.56	24.56	24.56	24.57	24.58	24.57	24.57	24.59	24.64	24.65	24.62	24.60	24.58	24.56	24.55	24.54	24.56	24.58	24.59	24.60	24.62	24.63	24.58	24.65	24.54
13	24.63	24.63	24.63	24.64	24.64	24.64	24.66	24.66	24.66	24.65	24.65	24.64	24.62	24.61	24.60	24.59	24.57	24.57	24.56	24.56	24.57	24.58	24.58	24.57	24.61	24.66	24.56
14	24.57	24.56	24.56	24.56	24.56	24.56	24.56	24.56	24.56	24.55	24.57	24.54	24.51	24.48	24.45	24.43	24.44	24.48	24.44	24.43	24.44	24.46	24.45	24.45	24.51	24.57	24.43
15	24.44	24.43	24.43	24.46	24.48	24.50	24.51	24.52	24.53	24.54	24.54	24.54	24.55	24.54	24.54	24.54	24.55	24.54	24.54	24.55	24.57	24.59	24.59	24.60	24.53	24.60	24.43
16	24.60	24.59	24.59	24.58	24.59	24.61	24.61	24.62	24.62	24.61	24.61	24.60	24.58	24.57	24.56	24.55	24.55	24.55	24.56	24.57	24.59	24.59	24.58	24.58	24.59	24.62	24.55
17	24.57	24.56	24.55	24.54	24.53	24.53	24.53	24.53	24.53	24.52	24.53	24.53	24.53	24.51	24.51	24.52	24.52	24.52	24.53	24.53	24.54	24.54	24.53	24.52	24.53	24.57	24.51
18	24.51	24.49	24.49	24.48	24.46	24.47	24.48	24.49	24.51	24.53	24.54	24.55	24.55	24.56	24.57	24.56	24.56	24.56	24.56	24.56	24.57	24.57	24.56	24.55	24.53	24.57	24.46
19	24.54	24.52	24.51	24.50	24.49	24.48	24.48	24.48	24.47	24.46	24.44	24.42	24.40	24.38	24.36	24.35	24.34	24.32	24.32	24.33	24.34	24.34	24.34	24.34	24.41	24.54	24.32
20	24.34	24.34	24.34	24.35	24.35	24.35	24.36	24.37	24.37	24.36	24.36	24.35	24.33	24.32	24.31	24.30	24.29	24.28	24.27	24.27	24.27	24.28	24.27	24.27	24.32	24.37	24.27
21	24.26	24.25	24.25	24.24	24.24	24.23	24.23	24.23	24.22	24.21	24.20	24.20	24.18	24.18	24.19	24.17	24.17	24.18	24.20	24.25	24.32	24.38	24.39	24.41	24.24	24.41	24.17
22	24.43	24.45	24.46	24.48	24.50	24.52	24.54	24.56	24.58	24.60	24.62	24.63	24.63	24.62	24.61	24.61	24.61	24.61	24.61	24.61	24.62	24.62	24.61	24.60	24.57	24.63	24.43
23	24.59	24.59	24.59	24.58	24.57	24.57	24.58	24.59	24.59	24.58	24.57	24.56	24.55	24.55	24.54	24.52	24.52	24.53	24.53	24.55	24.56	24.56	24.56	24.56	24.56	24.59	24.52
24	24.55	24.55	24.55	24.55	24.54	24.55	24.56	24.57	24.57	24.56	24.55	24.53	24.52	24.51	24.50	24.49	24.48	24.48	24.48	24.50	24.51	24.53	24.53	24.53	24.53	24.57	24.48
25	24.54	24.53	24.53	24.54	24.54	24.55	24.57	24.59	24.59	24.57	24.57	24.56	24.55	24.54	24.52	24.51	24.51	24.50	24.50	24.51	24.52	24.53	24.54	24.53	24.54	24.59	24.50
26	24.52	24.52	24.52	24.53	24.53	24.55	24.56	24.58	24.58	24.58	24.57	24.56	24.55	24.55	24.53	24.53	24.52	24.51	24.51	24.52	24.53	24.54	24.54	24.54	24.54	24.58	24.51
27	24.54	24.53	24.53	24.53	24.54	24.55	24.55	24.56	24.57	24.57	24.57	24.57	24.56	24.54	24.53	24.52	24.51	24.51	24.51	24.52	24.53	24.55	24.55	24.55	24.54	24.57	24.51
28	24.55	24.56	24.56	24.56	24.56	24.56	24.56	24.57	24.58	24.57	24.56	24.54	24.53	24.52	24.50	24.49	24.47	24.46	24.46	24.47	24.49	24.50	24.51	24.51	24.53	24.58	24.46
29	24.51	24.50	24.49	24.49	24.48	24.48	24.48	24.47	24.46	24.44	24.43	24.40	24.39	24.38	24.35	24.31	24.30	24.34	24.32	24.34	24.34	24.33	24.33	24.34	24.40	24.51	24.30
30	24.34	24.33	24.34	24.33	24.34	24.39	24.42	24.39	24.36	24.35	24.34	24.34	24.32	24.29	24.27	24.25	24.25	24.25	24.29	24.33	24.36	24.40	24.41	24.41	24.34	24.42	24.25
31	24.42	24.40	24.41	24.42	24.41	24.42	24.42	24.43	24.44	24.44	24.45	24.43	24.42	24.40	24.39	24.38	24.37	24.37	24.37	24.37	24.38	24.38	24.38	24.38	24.40	24.45	24.37
Avg	24.50	24.49	24.49	24.49	24.49	24.50	24.51	24.51	24.51	24.51	24.51	24.50	24.49	24.48	24.47	24.46	24.45	24.45	24.45	24.46	24.48	24.49	24.49	24.49	24.49	24.54	24.43
Max	24.63	24.63	24.63	24.64	24.64	24.64	24.66	24.66	24.66	24.65	24.65	24.65	24.63	24.62	24.61	24.61	24.61	24.61	24.61	24.61	24.62	24.62	24.62	24.63	24.61	24.66	24.56
Min	24.26	24.25	24.25	24.24	24.24	24.23	24.23	24.23	24.22	24.21	24.20	24.20	24.18	24.18	24.19	24.17	24.17	24.18	24.20	24.25	24.27	24.28	24.27	24.27	24.24	24.37	24.17

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
September 2015

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	24.37	24.36	24.36	24.36	24.36	24.36	24.37	24.39	24.39	24.39	24.38	24.36	24.35	24.35	24.34	24.33	24.32	24.31	24.30	24.30	24.31	24.31	24.29	24.28	24.34	24.39	24.28
2	24.28	24.28	24.28	24.27	24.27	24.27	24.28	24.28	24.27	24.26	24.26	24.26	24.25	24.23	24.22	24.21	24.22	24.23	24.24	24.27	24.29	24.30	24.30	24.29	24.26	24.30	24.21
3	24.28	24.28	24.28	24.29	24.29	24.32	24.32	24.33	24.34	24.33	24.32	24.33	24.31	24.30	24.29	24.29	24.31	24.32	24.32	24.35	24.36	24.36	24.36	24.37	24.32	24.37	24.28
4	24.38	24.38	24.38	24.36	24.35	24.36	24.36	24.37	24.38	24.38	24.38	24.38	24.37	24.37	24.37	24.36	24.36	24.37	24.37	24.37	24.36	24.37	24.36	24.35	24.37	24.38	24.35
5	24.36	24.32	24.30	24.30	24.29	24.29	24.29	24.30	24.30	24.30	24.30	24.33	24.34	24.35	24.34	24.32	24.34	24.39	24.39	24.39	24.40	24.40	24.41	24.40	24.34	24.41	24.29
6	24.41	24.42	24.41	24.42	24.43	24.44	24.45	24.45	24.47	24.47	24.48	24.47	24.46	24.46	24.46	24.45	24.44	24.45	24.45	24.45	24.45	24.45	24.46	24.46	24.45	24.48	24.41
7	24.47	24.47	24.48	24.48	24.48	24.48	24.49	24.50	24.51	24.51	24.51	24.51	24.52	24.51	24.51	24.51	24.51	24.52	24.52	24.52	24.53	24.53	24.54	24.54	24.51	24.54	24.47
8	24.54	24.52	24.52	24.52	24.53	24.53	24.53	24.55	24.55	24.54	Au	Au	Au	Au	Au	24.48	24.48	24.48	24.47	24.48	24.48	24.49	24.49	24.49	24.51	24.55	24.47
9	24.49	24.49	24.49	24.49	24.49	24.49	24.51	24.52	24.51	24.51	24.51	24.51	24.50	24.48	24.47	24.46	24.46	24.46	24.47	24.48	24.49	24.50	24.51	24.51	24.49	24.52	24.46
10	24.51	24.51	24.51	24.51	24.51	24.53	24.55	24.57	24.57	24.58	24.59	24.59	24.59	24.59	24.58	24.58	24.58	24.59	24.60	24.61	24.62	24.63	24.64	24.64	24.57	24.64	24.51
11	24.64	24.64	24.64	24.65	24.65	24.65	24.66	24.67	24.67	24.66	24.65	24.64	24.63	24.62	24.61	24.60	24.59	24.58	24.58	24.59	24.60	24.60	24.59	24.59	24.63	24.67	24.58
12	24.58	24.57	24.56	24.56	24.55	24.54	24.55	24.56	24.55	24.54	24.53	24.52	24.50	24.48	24.46	24.44	24.43	24.42	24.41	24.41	24.41	24.41	24.39	24.38	24.49	24.58	24.38
13	24.37	24.36	24.35	24.34	24.33	24.32	24.32	24.33	24.31	24.30	24.28	24.26	24.25	24.23	24.20	24.19	24.18	24.17	24.19	24.20	24.22	24.21	24.20	24.21	24.26	24.37	24.17
14	24.21	24.20	24.19	24.19	24.19	24.19	24.20	24.21	24.21	24.21	24.21	24.19	24.18	24.17	24.16	24.14	24.15	24.16	24.16	24.15	24.16	24.17	24.16	24.13	24.18	24.21	24.13
15	24.09	24.07	24.08	24.09	24.07	24.07	24.09	24.14	24.16	24.17	24.18	24.19	24.20	24.21	24.20	24.22	24.23	24.23	24.23	24.25	24.26	24.24	24.24	24.23	24.17	24.26	24.07
16	24.23	24.22	24.20	24.20	24.20	24.20	24.21	24.20	24.19	24.21	24.22	24.22	24.23	24.23	24.25	24.28	24.31	24.33	24.34	24.35	24.36	24.36	24.35	24.36	24.26	24.36	24.19
17	24.36	24.36	24.36	24.36	24.36	24.36	24.37	24.38	24.39	24.39	24.39	24.38	24.36	24.35	24.34	24.34	24.34	24.36	24.38	24.39	24.40	24.41	24.42	24.43	24.37	24.43	24.34
18	24.44	24.44	24.45	24.46	24.47	24.48	24.49	24.51	24.53	24.53	24.53	24.53	24.52	24.51	24.49	24.49	24.49	24.48	24.47	24.48	24.47	24.47	24.46	24.45	24.49	24.53	24.44
19	24.44	24.43	24.43	24.42	24.42	24.42	24.42	24.43	24.43	24.42	24.41	24.41	24.41	24.40	24.39	24.38	24.38	24.38	24.38	24.39	24.40	24.39	24.39	24.39	24.41	24.44	24.38
20	24.39	24.40	24.40	24.40	24.40	24.40	24.42	24.44	24.44	24.43	24.43	24.42	24.40	24.37	24.35	24.33	24.32	24.31	24.30	24.31	24.31	24.30	24.30	24.30	24.37	24.44	24.30
21	24.30	24.30	24.31	24.33	24.34	24.36	24.36	24.38	24.39	24.39	24.40	24.39	24.39	24.38	24.38	24.38	24.39	24.40	24.40	24.42	24.45	24.46	24.45	24.44	24.38	24.46	24.30
22	24.44	24.44	24.43	24.43	24.44	24.44	24.44	24.44	24.44	24.44	24.43	24.41	24.39	24.37	24.36	24.35	24.35	24.36	24.37	24.39	24.39	24.41	24.40	24.39	24.41	24.44	24.35
23	24.40	24.41	24.41	24.41	24.41	24.42	24.44	24.46	24.47	24.47	24.46	24.47	24.46	24.45	24.45	24.44	24.44	24.45	24.46	24.48	24.50	24.52	24.54	24.56	24.46	24.56	24.40
24	24.56	24.57	24.58	24.59	24.59	24.60	24.61	24.62	24.63	24.63	24.63	24.62	24.61	24.60	24.59	24.58	24.57	24.57	24.58	24.58	24.58	24.58	24.58	24.58	24.59	24.63	24.56
25	24.57	24.56	24.55	24.55	24.55	24.55	24.55	24.55	24.55	24.54	24.52	24.51	24.50	24.48	24.46	24.44	24.43	24.42	24.43	24.43	24.43	24.43	24.43	24.43	24.49	24.57	24.42
26	24.43	24.43	24.42	24.41	24.40	24.40	24.40	24.39	24.39	24.39	24.38	24.36	24.35	24.33	24.32	24.32	24.32	24.32	24.33	24.35	24.37	24.38	24.39	24.39	24.37	24.43	24.32
27	24.39	24.41	24.41	24.41	24.42	24.42	24.43	24.44	24.44	24.44	24.43	24.42	24.40	24.39	24.39	24.39	24.39	24.40	24.42	24.42	24.45	24.46	24.47	24.47	24.42	24.47	24.39
28	24.47	24.48	24.48	24.47	24.47	24.47	24.49	24.51	24.52	24.52	24.51	24.50	24.50	24.48	24.48	24.48	24.48	24.48	24.48	24.49	24.50	24.50	24.48	24.48	24.49	24.52	24.47
29	24.47	24.47	24.46	24.45	24.45	24.45	24.46	24.48	24.49	24.48	24.47	24.47	24.46	24.45	24.44	24.44	24.44	24.44	24.45	24.46	24.46	24.46	24.46	24.45	24.46	24.49	24.44
30	24.45	24.45	24.45	24.45	24.45	24.45	24.46	24.48	24.49	24.49	24.49	24.49	24.48	24.46	24.46	24.46	24.46	24.47	24.48	24.49	24.50	24.50	24.51	24.51	24.47	24.51	24.45
Avg	24.41	24.41	24.41	24.41	24.41	24.41	24.42	24.43	24.43	24.43	24.42	24.42	24.41	24.40	24.39	24.39	24.39	24.40	24.40	24.41	24.42	24.42	24.42	24.42	24.41	24.47	24.36
Max	24.64	24.64	24.64	24.65	24.65	24.65	24.66	24.67	24.67	24.66	24.65	24.64	24.63	24.62	24.61	24.60	24.59	24.59	24.60	24.61	24.62	24.63	24.64	24.64	24.63	24.67	24.58
Min	24.09	24.07	24.08	24.09	24.07	24.07	24.09	24.14	24.16	24.17	24.18	24.19	24.18	24.17	24.16	24.14	24.15	24.16	24.16	24.15	24.16	24.17	24.16	24.13	24.17	24.21	24.07

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
July 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	82.3	87.3	90.1	89.2	93.6	88.3	73.6	65.0	47.4	41.7	36.8	30.4	30.5	27.4	25.5	25.0	26.7	38.5	45.2	50.8	54.0	60.6	66.2	78.3	56.4	93.6	25.0
2	83.1	87.8	90.7	91.6	91.5	88.3	81.6	64.9	47.8	37.2	38.1	36.0	34.0	32.6	35.2	31.7	29.4	34.7	42.7	47.9	56.3	58.0	52.1	56.7	56.2	91.6	29.4
3	63.5	65.3	75.4	84.7	85.1	84.4	76.9	58.4	48.4	41.4	35.9	27.3	25.0	25.7	24.9	24.5	24.9	25.2	27.7	36.0	50.7	58.9	67.8	74.9	50.5	85.1	24.5
4	79.7	85.6	84.2	90.1	92.5	86.5	74.0	63.2	43.6	30.9	26.4	23.2	25.3	22.5	22.6	21.1	18.7	18.0	22.6	31.5	38.9	53.3	66.7	68.2	49.6	92.5	18.0
5	69.4	80.4	81.8	86.4	83.7	83.8	81.2	78.3	78.0	79.3	84.3	89.5	93.8	94.5	93.8	92.2	88.2	86.8	91.3	91.4	88.2	91.8	94.2	91.7	86.4	94.5	69.4
6	92.5	94.1	94.4	95.6	96.7	95.6	90.1	83.7	81.4	79.7	80.1	76.6	73.5	68.7	65.2	57.9	52.2	47.7	47.3	51.4	69.1	78.9	85.9	90.8	77.0	96.7	47.3
7	93.6	93.7	94.3	96.4	97.4	97.6	92.3	74.4	64.4	62.8	67.4	63.3	50.7	47.2	59.9	53.3	58.2	63.6	64.2	66.0	74.6	82.7	87.5	91.3	74.9	97.6	47.2
8	93.9	95.0	96.2	95.8	96.4	95.5	82.7	73.0	59.2	53.1	46.2	39.3	32.4	30.1	25.9	25.7	31.7	33.3	36.2	40.3	45.2	50.8	52.8	62.1	58.0	96.4	25.7
9	74.1	83.6	81.8	85.6	88.0	89.0	83.8	69.6	57.9	40.4	31.5	28.4	20.6	18.9	18.0	16.1	14.1	14.9	19.1	29.7	38.1	46.4	57.9	62.5	48.8	89.0	14.1
10	68.8	77.6	81.1	77.8	78.3	81.6	74.9	56.0	40.8	36.2	32.9	30.1	36.8	44.1	64.8	78.0	72.3	66.4	64.6	65.3	81.4	85.1	85.0	86.4	65.3	86.4	30.1
11	88.8	90.0	91.4	93.6	92.2	93.3	91.4	86.5	85.5	85.9	84.7	84.4	79.6	70.9	54.8	54.8	53.1	51.9	54.8	69.3	70.0	76.7	83.1	89.6	78.2	93.6	51.9
12	92.4	95.0	94.4	93.5	90.6	87.3	74.1	69.9	68.8	68.4	64.7	59.5	54.4	52.2	45.4	40.7	36.6	34.5	35.2	39.2	46.4	61.9	75.0	79.8	65.0	95.0	34.5
13	82.9	88.3	89.2	92.0	92.1	89.1	87.8	77.2	60.1	48.5	43.9	42.0	38.5	33.0	36.1	35.4	33.2	33.4	44.1	69.4	90.9	90.4	93.1	94.9	66.1	94.9	33.0
14	93.5	95.7	97.5	97.4	97.9	97.8	96.9	91.2	74.0	65.5	54.2	46.0	40.6	38.7	40.4	43.0	38.5	40.3	48.6	51.8	68.7	77.3	81.8	82.8	69.2	97.9	38.5
15	84.3	90.6	92.1	93.3	92.0	87.9	85.1	84.9	82.0	66.4	50.2	43.3	42.6	42.3	41.2	39.7	52.2	53.0	60.9	73.1	84.2	90.3	93.2	93.2	71.6	93.3	39.7
16	95.9	97.1	97.8	98.0	97.8	98.2	95.6	90.1	63.6	53.9	46.7	43.4	43.6	40.6	33.1	36.8	38.7	37.4	42.8	45.9	50.3	57.3	65.7	75.9	64.4	98.2	33.1
17	82.3	85.8	90.1	89.7	90.6	92.3	83.7	57.9	42.4	39.3	37.7	35.2	34.2	35.4	38.2	44.2	52.3	57.6	60.3	65.5	65.9	77.7	85.6	92.6	64.0	92.6	34.2
18	90.4	91.6	90.5	92.9	94.3	94.2	93.6	91.3	86.6	80.3	70.7	61.0	54.9	45.2	42.0	34.9	35.5	33.7	32.4	37.9	60.3	74.1	80.2	83.5	68.8	94.3	32.4
19	87.7	90.8	93.3	94.3	94.8	90.2	83.5	62.5	44.9	38.6	37.2	35.8	36.2	34.8	33.7	29.9	28.5	30.2	36.3	41.8	48.7	58.4	66.6	73.1	57.2	94.8	28.5
20	75.1	78.6	82.3	86.6	86.5	88.6	79.0	60.7	42.7	35.9	30.4	26.8	26.1	23.2	22.2	22.7	22.8	29.5	36.8	44.7	59.6	69.9	71.1	76.7	53.3	88.6	22.2
21	78.4	83.0	80.7	86.9	88.2	86.0	77.1	60.5	37.9	30.7	30.2	26.2	25.0	25.5	29.4	30.2	29.8	34.7	39.4	40.4	57.8	68.1	75.4	80.7	54.3	88.2	25.0
22	77.6	85.9	89.5	86.1	90.6	88.6	78.4	65.8	57.2	46.9	43.7	34.8	30.6	31.4	40.0	37.2	36.1	31.9	39.5	53.4	58.7	66.2	68.1	74.5	58.9	90.6	30.6
23	74.9	79.7	83.5	88.2	91.8	93.1	95.0	91.9	91.6	88.2	79.7	65.0	57.8	51.3	42.3	37.1	46.5	84.0	86.2	86.5	91.7	92.0	94.5	93.3	78.6	95.0	37.1
24	92.0	93.8	94.0	94.8	96.5	97.1	87.4	80.3	62.9	49.8	42.0	38.2	34.9	34.4	53.2	46.6	35.7	31.8	29.0	33.6	46.2	48.9	58.2	67.4	60.4	97.1	29.0
25	75.7	80.2	84.2	88.2	91.7	90.2	81.0	64.9	41.4	33.2	30.8	31.2	27.2	26.5	30.1	25.5	24.9	27.4	34.9	49.2	58.7	66.3	72.4	72.0	54.5	91.7	24.9
26	79.7	82.6	84.9	87.5	90.2	88.6	79.0	61.7	46.2	38.1	33.3	30.2	26.5	24.5	22.5	32.1	30.9	41.3	57.2	59.3	68.6	81.4	81.7	85.2	58.9	90.2	22.5
27	81.9	74.4	78.8	90.6	91.6	90.2	89.1	90.1	92.7	89.7	93.0	90.2	91.7	91.3	90.9	89.8	89.9	90.0	91.3	91.4	92.5	91.8	92.1	91.2	89.4	93.0	74.4
28	90.2	90.3	89.8	88.8	90.2	90.2	89.7	85.7	84.1	69.6	62.8	55.1	49.5	47.0	42.2	38.9	38.3	37.6	34.9	38.9	52.5	73.1	84.6	87.5	67.1	90.3	34.9
29	90.5	91.5	92.7	93.9	94.1	90.3	82.8	69.8	53.0	48.0	43.4	40.0	37.2	35.0	33.0	30.3	27.5	27.1	29.7	35.8	53.8	68.5	74.5	82.3	59.4	94.1	27.1
30	86.4	87.2	89.6	91.8	91.1	89.6	82.1	66.9	43.2	32.3	29.9	27.3	26.4	24.9	21.7	19.3	19.4	19.3	20.9	31.7	50.8	56.4	61.8	69.0	51.6	91.8	19.3
31	77.0	82.7	82.0	78.8	80.9	79.5	75.0	64.1	48.5	31.5	26.5	21.3	21.3	20.9	17.9	15.4	15.4	16.8	18.9	28.3	46.4	50.2	52.7	65.7	46.6	82.7	15.4
Avg	83.2	86.6	88.3	90.3	91.3	90.1	83.8	72.9	60.6	53.0	48.9	44.5	42.0	40.0	40.2	39.0	38.8	41.0	45.0	51.5	61.9	69.8	75.1	79.8	63.2	92.6	32.9
Max	95.9	97.1	97.8	98.0	97.9	98.2	96.9	91.9	92.7	89.7	93.0	90.2	93.8	94.5	93.8	92.2	89.9	90.0	91.3	91.4	92.5	92.0	94.5	94.9	89.4	98.2	74.4
Min	63.5	65.3	75.4	77.8	78.3	79.5	73.6	56.0	37.9	30.7	26.4	21.3	20.6	18.9	17.9	15.4	14.1	14.9	18.9	28.3	38.1	46.4	52.1	56.7	46.6	82.7	14.1

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
August 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	71.9	77.0	76.5	79.7	82.1	81.1	64.3	53.2	38.4	23.2	20.8	18.8	17.9	16.3	15.2	15.9	15.5	15.4	16.8	21.6	38.4	45.7	54.0	63.7	42.6	82.1	15.2
2	69.4	73.8	74.7	76.1	78.8	81.0	71.8	55.9	41.6	31.2	28.3	21.9	16.3	15.1	14.4	14.5	16.3	20.8	25.8	36.5	48.9	47.0	41.6	40.6	43.4	81.0	14.4
3	45.7	49.5	55.1	67.3	69.0	74.9	71.9	56.4	42.2	30.0	27.4	24.7	24.7	25.3	26.1	26.3	25.6	28.0	29.0	30.4	36.7	44.6	45.0	53.5	42.1	74.9	24.7
4	62.5	62.9	69.6	71.2	77.3	80.2	78.1	70.5	63.3	61.7	50.5	49.0	48.2	41.1	43.4	81.1	82.0	68.8	63.6	76.0	88.3	85.8	86.0	91.5	68.9	91.5	41.1
5	89.1	90.1	90.4	90.5	93.3	94.7	92.0	86.1	81.1	74.8	78.2	68.3	48.6	40.2	44.1	50.3	55.1	58.2	61.0	63.8	66.6	71.9	77.7	86.0	73.0	94.7	40.2
6	90.2	92.1	94.9	96.8	96.4	96.7	91.4	76.0	54.0	38.0	32.6	34.9	30.9	27.9	25.0	21.3	20.3	19.4	22.2	30.3	35.5	39.5	55.5	63.1	53.5	96.8	19.4
7	70.9	74.4	80.0	85.0	87.6	86.8	78.6	63.0	43.7	37.7	32.6	25.1	23.0	21.0	19.5	19.0	17.5	16.6	23.4	32.8	41.9	46.8	55.8	66.1	47.9	87.6	16.6
8	66.5	72.9	75.9	74.4	68.2	70.7	66.6	58.4	46.8	45.8	46.9	46.1	47.4	49.2	58.1	63.5	62.3	64.1	65.8	69.8	76.1	81.0	83.7	83.8	64.3	83.8	45.8
9	86.5	89.6	94.0	95.3	94.9	95.8	91.0	72.2	57.1	48.9	39.3	32.7	25.9	22.7	21.1	20.8	18.9	17.8	20.7	31.5	37.6	48.2	56.0	57.8	53.2	95.8	17.8
10	66.3	76.7	83.3	85.3	84.8	88.8	80.5	62.6	38.5	31.1	27.6	23.1	20.1	18.3	17.4	19.3	23.5	26.3	27.9	32.0	31.6	36.2	44.3	53.9	45.8	88.8	17.4
11	63.1	74.4	79.6	81.5	84.8	86.0	76.2	55.7	40.3	30.2	26.0	23.3	20.5	16.7	16.2	15.2	13.5	12.8	14.1	29.6	38.5	49.6	54.3	63.1	44.4	86.0	12.8
12	65.0	69.2	71.8	74.1	73.8	74.5	73.4	64.8	59.8	57.1	39.3	41.8	38.7	31.4	28.5	27.5	27.6	29.3	35.5	35.4	39.5	47.1	54.7	60.8	50.9	74.5	27.5
13	69.3	73.4	81.0	85.6	87.0	90.2	83.8	66.7	51.7	35.8	31.2	24.1	20.7	17.5	17.5	17.7	17.3	18.4	23.8	33.3	42.1	50.4	55.6	61.0	48.1	90.2	17.3
14	63.7	68.7	71.3	71.1	73.5	68.3	67.5	62.1	50.9	35.5	50.5	57.9	33.8	23.5	23.1	24.6	35.4	66.5	75.1	77.9	81.2	84.2	86.8	90.8	60.2	90.8	23.1
15	93.1	94.0	95.2	95.8	95.2	92.6	71.8	55.3	48.1	45.4	42.2	36.7	33.5	32.3	31.8	27.4	27.5	27.5	28.5	43.3	52.3	62.6	68.3	68.5	57.0	95.8	27.4
16	75.1	74.6	79.8	86.1	91.4	90.1	90.3	86.7	78.1	73.9	63.8	53.9	45.2	43.1	39.3	41.6	42.1	49.8	59.1	67.4	76.3	79.0	81.2	83.9	68.8	91.4	39.3
17	84.0	88.7	93.6	95.9	96.1	97.1	97.3	94.5	79.1	79.3	82.3	66.5	57.8	50.6	47.1	47.9	53.9	49.5	53.8	65.9	80.1	84.9	86.0	89.6	75.9	97.3	47.1
18	86.9	87.6	88.6	90.0	91.1	89.8	90.4	85.3	76.7	79.9	81.0	79.9	83.9	73.7	76.6	69.2	65.1	63.4	60.8	71.6	81.4	86.3	90.2	91.5	80.9	91.5	60.8
19	94.3	95.1	96.1	96.4	95.9	95.8	93.6	85.8	64.7	47.9	38.5	36.0	34.7	31.4	30.2	29.7	29.0	28.4	30.3	35.5	45.0	65.5	71.3	80.1	60.5	96.4	28.4
20	83.9	86.3	88.4	90.2	91.7	92.5	90.0	78.2	62.1	39.4	34.8	31.2	26.3	24.8	25.4	23.1	25.2	25.5	27.6	38.7	53.0	61.0	68.8	75.8	56.0	92.5	23.1
21	77.8	79.0	81.2	84.6	84.1	83.7	82.6	73.2	57.0	34.9	25.7	25.2	24.4	22.5	21.2	19.8	22.6	24.9	32.4	61.7	83.0	82.8	76.2	77.5	55.8	84.6	19.8
22	83.0	86.3	90.0	89.7	89.4	89.1	87.5	88.9	90.5	85.9	77.8	67.4	57.6	47.9	40.5	35.7	32.9	29.7	29.3	40.6	55.2	62.2	65.0	72.3	66.4	90.5	29.3
23	79.1	81.0	81.2	82.5	81.4	81.8	79.7	67.8	53.1	32.7	28.2	24.9	22.5	18.4	17.0	15.0	13.4	13.8	20.2	32.0	42.6	50.3	58.3	63.3	47.5	82.5	13.4
24	65.2	68.2	73.5	76.3	78.0	78.8	75.6	61.7	42.2	21.8	16.7	14.3	11.4	11.8	12.0	11.7	12.5	14.3	18.0	26.4	39.0	40.4	45.2	56.5	40.5	78.8	11.4
25	60.6	64.3	67.9	68.2	74.3	76.0	71.9	58.4	41.8	23.0	16.5	15.5	14.1	11.1	9.5	9.5	11.1	13.2	18.6	29.2	35.5	41.4	52.2	56.5	39.2	76.0	9.5
26	56.3	62.8	64.7	68.6	69.8	73.2	76.3	63.4	42.2	27.9	21.9	18.5	15.1	13.8	12.2	13.0	12.2	14.8	24.3	31.9	35.6	38.2	48.5	55.2	40.0	76.3	12.2
27	62.1	66.7	69.7	70.4	70.6	70.6	66.4	59.6	56.4	49.4	37.7	32.0	29.1	25.9	23.5	23.9	22.8	28.0	36.0	45.7	55.3	58.3	64.2	69.1	49.7	70.6	22.8
28	67.7	68.9	75.4	82.0	85.6	86.8	87.7	76.9	57.5	32.5	20.8	17.4	16.3	17.1	15.7	17.2	19.1	23.4	29.6	36.9	42.7	46.1	50.0	50.8	46.8	87.7	15.7
29	52.8	58.2	60.5	65.3	66.7	67.0	65.6	56.9	49.7	28.7	25.7	24.3	24.8	26.5	24.3	23.2	21.3	69.0	80.2	84.1	84.5	83.5	86.7	86.6	54.8	86.7	21.3
30	91.0	94.7	93.3	87.3	90.4	86.8	84.0	83.5	75.5	62.1	44.7	38.9	35.8	29.1	25.2	22.7	32.1	36.3	42.3	44.9	47.4	55.8	57.2	65.3	59.4	94.7	22.7
31	65.7	64.1	63.5	66.3	59.3	58.7	56.3	48.0	43.1	40.6	36.9	33.2	31.2	29.4	28.2	27.3	26.9	28.2	32.9	45.4	54.7	62.7	72.8	77.2	48.0	77.2	26.9
Avg	72.9	76.3	79.4	81.6	82.7	83.2	79.2	68.6	55.7	44.7	39.6	35.7	31.6	28.2	27.4	28.2	29.0	32.3	36.4	45.2	53.8	59.3	64.3	69.5	54.4	86.7	24.7
Max	94.3	95.1	96.1	96.8	96.4	97.1	97.3	94.5	90.5	85.9	82.3	79.9	83.9	73.7	76.6	81.1	82.0	69.0	80.2	84.1	88.3	86.3	90.2	91.5	80.9	97.3	60.8
Min	45.7	49.5	55.1	65.3	59.3	58.7	56.3	48.0	38.4	21.8	16.5	14.3	11.4	11.1	9.5	9.5	11.1	12.8	14.1	21.6	31.6	36.2	41.6	40.6	39.2	70.6	9.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
September 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	77.4	80.9	85.0	87.8	90.1	90.8	87.9	73.9	48.5	34.0	28.7	23.4	20.4	19.5	17.9	16.2	15.5	14.9	18.2	33.8	41.0	44.8	49.7	29.4	47.1	90.8	14.9
2	26.5	35.2	47.2	60.7	65.5	70.3	70.0	53.9	31.6	19.8	17.5	14.3	13.2	12.7	14.4	14.0	16.4	22.2	26.8	30.8	35.0	38.8	43.9	43.4	34.3	70.3	12.7
3	57.3	65.7	70.0	73.9	80.5	81.2	74.0	50.6	41.2	40.1	36.1	37.5	33.6	34.0	39.5	44.8	55.6	62.7	63.6	69.1	71.2	76.7	81.0	88.7	59.5	88.7	33.6
4	91.6	94.0	90.0	88.8	84.6	88.5	90.1	93.2	90.8	89.5	91.4	88.1	82.6	76.8	73.4	70.1	70.8	77.0	85.5	86.8	89.3	91.4	89.3	90.7	86.0	94.0	70.1
5	94.3	90.2	91.7	92.3	91.9	93.5	95.3	92.3	85.3	81.0	86.5	92.9	88.5	85.6	84.2	78.1	73.6	84.1	87.2	90.6	90.6	92.4	94.0	94.3	88.8	95.3	73.6
6	93.7	91.5	93.0	92.2	87.8	77.6	76.0	71.7	59.6	54.1	50.3	43.9	35.9	33.3	32.4	31.0	32.2	35.1	39.7	51.8	58.2	63.4	67.8	73.0	60.2	93.7	31.0
7	77.6	78.8	73.8	75.7	78.7	87.6	87.4	84.8	68.6	65.4	58.6	50.3	46.5	45.0	44.8	41.1	38.1	37.2	39.4	48.1	63.9	73.9	80.1	83.0	63.7	87.6	37.2
8	86.2	89.4	90.5	90.6	91.1	91.0	87.2	79.4	68.1	60.1	Au	Au	Au	Au	Au	35.7	38.6	42.0	47.7	55.1	64.1	70.9	76.1	77.8	70.6	91.1	35.7
9	79.4	83.3	83.9	85.5	88.1	87.0	86.8	72.9	57.2	47.0	45.3	42.8	36.0	32.6	30.2	28.6	28.3	30.3	33.4	45.9	58.9	64.2	69.5	73.4	57.9	88.1	28.3
10	77.3	78.8	79.3	84.4	89.0	89.3	87.1	70.5	57.5	43.7	39.7	36.6	35.4	33.8	32.5	30.0	28.8	32.9	42.2	55.0	65.9	72.7	76.4	81.8	59.2	89.3	28.8
11	85.7	86.6	88.0	87.5	91.3	90.9	89.0	79.6	58.6	40.6	35.7	31.7	28.1	25.8	24.5	23.8	23.6	27.1	35.7	53.2	57.8	69.8	75.4	80.8	58.0	91.3	23.6
12	83.1	86.1	89.6	89.3	91.1	91.2	89.0	73.6	54.4	37.4	32.5	28.4	25.0	21.0	18.6	16.4	15.2	17.3	25.2	40.4	52.0	60.0	69.2	72.8	53.3	91.2	15.2
13	76.3	80.1	82.0	82.4	84.6	84.3	81.9	67.5	46.6	25.1	23.0	20.0	16.6	14.3	13.3	12.9	13.8	15.5	26.3	36.9	40.4	49.8	47.5	49.3	45.4	84.6	12.9
14	45.3	53.7	62.3	66.6	70.7	69.7	71.1	58.8	36.3	34.3	31.7	28.1	21.7	20.8	23.0	23.4	29.4	33.3	43.4	50.0	61.6	69.3	71.4	84.7	48.4	84.7	20.8
15	86.1	83.5	87.9	90.6	92.7	94.3	94.0	89.8	89.0	88.1	85.2	79.4	72.8	60.4	58.3	67.4	65.4	64.4	67.3	75.3	80.6	87.2	89.2	88.2	80.7	94.3	58.3
16	92.1	93.3	92.7	94.5	93.7	91.8	91.7	90.9	92.2	90.0	87.8	90.2	89.1	90.2	88.4	89.9	86.8	83.5	89.0	93.1	94.5	94.5	95.6	96.0	91.3	96.0	83.5
17	96.1	96.3	95.9	95.9	95.8	96.3	96.2	95.4	94.5	80.2	62.6	54.5	53.1	52.8	52.2	51.4	57.4	87.6	91.3	92.0	93.1	93.1	93.6	95.8	82.2	96.3	51.4
18	96.5	96.5	96.6	96.5	95.9	95.1	95.8	95.7	89.5	69.4	62.3	59.4	49.4	47.7	46.1	46.5	50.9	53.4	59.4	71.4	79.8	85.0	88.7	91.3	75.8	96.6	46.1
19	93.4	94.2	93.9	94.3	92.4	91.3	88.4	80.0	57.2	51.1	47.5	45.0	43.1	40.9	39.7	39.7	39.6	40.8	48.0	60.3	74.2	81.2	85.3	86.2	67.0	94.3	39.6
20	87.2	88.9	90.2	86.1	86.8	88.8	88.5	80.3	54.8	44.8	42.5	37.2	36.4	33.0	31.1	30.7	30.9	30.8	37.7	44.1	38.1	42.5	57.0	58.3	56.1	90.2	30.7
21	60.6	69.9	70.2	49.7	48.4	50.5	55.4	46.9	43.6	43.5	41.2	37.7	35.7	33.5	32.5	31.5	34.5	39.5	48.4	54.8	60.0	62.8	64.6	71.7	49.5	71.7	31.5
22	76.9	79.6	79.5	80.5	83.0	83.8	82.3	77.2	73.8	68.1	58.6	51.4	40.8	33.2	29.6	26.5	35.8	47.0	52.7	60.7	66.5	73.1	75.5	81.7	63.2	83.8	26.5
23	87.4	84.0	84.1	91.4	92.4	94.3	94.5	86.2	66.3	46.4	39.9	31.2	26.6	19.9	21.4	21.8	21.8	25.0	44.4	53.5	63.1	70.2	75.0	76.9	59.1	94.5	19.9
24	80.3	81.4	86.1	89.6	90.9	92.5	91.9	76.7	65.1	44.9	36.4	29.2	27.0	25.8	23.3	20.1	21.6	32.0	47.2	52.7	62.3	67.4	73.1	76.4	58.1	92.5	20.1
25	78.9	78.8	80.4	81.2	80.5	78.5	77.0	69.4	55.3	35.0	20.9	19.7	17.9	16.2	14.5	12.1	12.6	18.4	30.1	36.5	47.4	49.9	55.5	58.8	46.9	81.2	12.1
26	65.5	70.9	75.2	73.2	78.4	77.7	79.9	74.7	61.5	52.0	35.3	26.1	26.5	25.1	24.7	26.9	26.4	28.5	37.4	47.9	54.9	61.2	64.1	71.1	52.7	79.9	24.7
27	73.5	77.9	80.2	80.0	82.9	84.7	86.3	79.3	65.5	54.7	51.6	46.4	41.8	34.9	34.1	29.2	25.6	26.6	28.5	42.0	55.0	59.8	62.2	60.0	56.8	86.3	25.6
28	68.6	68.7	68.6	77.2	82.9	84.9	84.3	77.3	59.8	39.1	35.9	32.2	27.3	27.5	27.4	22.8	22.5	26.1	46.2	53.6	63.6	70.7	74.8	78.7	55.0	84.9	22.5
29	81.9	85.2	90.0	88.0	92.5	92.1	90.8	85.3	68.2	45.4	28.6	25.0	24.0	23.6	21.8	21.6	23.7	27.4	37.6	51.6	55.5	67.9	72.1	76.9	57.4	92.5	21.6
30	80.0	81.2	84.5	83.9	84.3	85.8	85.3	75.8	60.1	34.4	26.0	23.7	22.6	19.5	18.0	16.8	17.7	26.2	38.4	40.4	46.3	56.5	58.1	59.8	51.1	85.8	16.8
Avg	78.6	80.8	82.7	83.7	85.3	85.8	85.2	76.8	63.4	52.0	46.2	42.3	38.5	35.8	34.9	34.0	35.1	39.6	47.3	55.9	62.8	68.7	72.5	75.0	61.1	88.7	32.3
Max	96.5	96.5	96.6	96.5	95.9	96.3	96.2	95.7	94.5	90.0	91.4	92.9	89.1	90.2	88.4	89.9	86.8	87.6	91.3	93.1	94.5	94.5	95.6	96.0	91.3	96.6	83.5
Min	26.5	35.2	47.2	49.7	48.4	50.5	55.4	46.9	31.6	19.8	17.5	14.3	13.2	12.7	13.3	12.1	12.6	14.9	18.2	30.8	35.0	38.8	43.9	29.4	34.3	70.3	12.1

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
July 2015

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.050	0.030
11	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.010	0.030	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.030
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.220	0.070	0.000	0.000	0.360	0.220
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.000	0.000	0.000	0.000	0.030	0.030
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.010	0.020	0.030	0.040	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.210	0.060
24	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.050
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.150	0.020	0.000	0.010	0.020	0.020	0.000	0.120	0.130	0.140	0.080	0.030	0.000	0.010	0.010	0.020	0.020	0.010	0.020	0.010	0.010	0.830	0.150
28	0.010	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.020
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.020	0.020	0.020	0.170	0.050	0.030	0.060	0.040	0.050	0.030	0.120	0.140	0.140	0.100	0.120	0.010	0.020	0.070	0.020	0.110	0.230	0.090	0.010	0.020	1.690	0.000
Max	0.010	0.020	0.010	0.150	0.020	0.030	0.040	0.020	0.020	0.030	0.120	0.130	0.140	0.080	0.050	0.010	0.010	0.060	0.020	0.060	0.220	0.070	0.010	0.010	0.830	0.220

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
August 2015

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.070
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.100	0.010	0.080	0.000	0.000	0.000	0.000	0.000	0.200	0.100
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.020
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.010	0.030	0.000	0.000	0.000	0.080	0.030
30	0.000	0.000	0.000	0.000	0.010	0.050	0.070	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.150	0.070
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.000	0.000	0.000	0.000	0.010	0.050	0.070	0.020	0.010	0.040	0.030	0.000	0.000	0.010	0.000	0.070	0.100	0.030	0.100	0.010	0.030	0.000	0.000	0.000	0.580	0.000
Max	0.000	0.000	0.000	0.000	0.010	0.050	0.070	0.020	0.010	0.020	0.020	0.000	0.000	0.010	0.000	0.070	0.100	0.020	0.080	0.010	0.030	0.000	0.000	0.000	0.200	0.100

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
September 2015

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.000	0.030	0.050	0.000	0.020	0.270	0.070
5	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.020	0.000	0.060	0.000	0.000	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.230	0.060
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Au	Au	Au	Au	Au	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.110	0.090	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.110
16	0.070	0.000	0.000	0.040	0.160	0.200	0.110	0.090	0.020	0.020	0.020	0.020	0.000	0.010	0.050	0.080	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.890	0.200
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.030
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.130	0.000	0.000	0.050	0.160	0.200	0.180	0.250	0.110	0.060	0.020	0.050	0.020	0.010	0.110	0.080	0.020	0.090	0.050	0.000	0.030	0.050	0.000	0.020	1.690	0.000
Max	0.070	0.000	0.000	0.040	0.160	0.200	0.110	0.110	0.090	0.040	0.020	0.030	0.020	0.010	0.060	0.080	0.020	0.060	0.050	0.000	0.030	0.050	0.000	0.020	0.890	0.200

APPENDIX B: PERFORMANCE AUDIT REPORTS THIRD QUARTER 2015

BISON
ENGINEERING, INC.

Bison Engineering

Preliminary Meteorological Parameters Audit / Calibration Form
(No calibration adjustments required from as-found condition of sensors)

Audit Dates: 09/08/15 Audit Start Time : 10:15 MST Audit End Time : 15:05 MST
Client: Tintina Resources
Site: Black Butte
AUDITOR: Steve Heck STATION OPERATOR: Jeff Bell

Temperature

Audit Device: Control Company - digital thermometer Model 4000
Meter S/N: 91255639 Temperature Sensor: Climatronics 100093
Last certified: 4/21/2015 S/N P12535 (Upper), S/N P12535 (Lower) - Matched set

Temperature bath results

Audit Value °C	9m DAS Value °C	9m DAS Diff. °C	2m DAS Value °C	2m DAS Diff. °C	9m - 2m DAS Diff. °C
0.07	0.19	0.12	0.23	0.16	-0.04
18.93	18.86	-0.07	18.90	-0.03	-0.04
37.14	37.34	0.20	37.35	0.21	-0.01

Replaced both aspirator fan motors after audit; existing fans were working correctly.

Wind Direction

Sensor height: 9 Meter
Sensor (Make/model number): Climatronics/ WMIII
Serial Number : 1849
Crossarm orientation (from solar sighting): 179.3 / 359.3
Location used for solar calculation
N 46 deg 46 min, W 110 deg 53 min
Calculated sun azimuth at 1037 MST
143.2 degress
Sensor response aligned with crossarm (as found): 0.1
Sensor response aligned with crossarm (as left): 0.3

Linearity Audit Device: Climatronics 101966, SN 70

Threshold Torque: 0.04 oz.-in.
(Waters Model 366-1 torque watch)

Linearity Check from DAS (as found)

Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	0.1	0.1	0.1	0.1
30	31.3	31.4	1.3	1.4
60	60.2	60.2	0.2	0.2
90	89.6	89.6	-0.4	-0.4
120	121.2	121.0	1.2	1.0
150	150.3	150.3	0.3	0.3
180	180.2	180.1	0.2	0.1
210	209.8	209.6	-0.2	-0.4
240	239.6	239.5	-0.4	-0.5
270	269.1	268.9	-0.9	-1.1
300	299.5	299.3	-0.5	-0.7
330	329.5	329.3	-0.5	-0.7
		Max Diff	**1.3**	**1.4**

Wind Speed

Sensor height:: 9 Meter
Sensor (Make/model number): Climatronics/ WMIII
Serial Number : 1849
Calibration device: Weathertronics 300 rpm synchronous motor
Weathertronics 600 rpm synchronous motor

Synchronous motor checks

Known Value RPM	Known Value m/s	DAS Value m/s	DAS Diff. m/s
0	0.22	0.22	0.00
300	6.66	6.65	-0.01
600	13.09	13.08	-0.01

Threshold Torque: <0.003 oz.-in.
(Waters Model 366-3 torque watch)

Relative Humidity

Audit Device: Assmann Psychrometer, thermometer calibrations checked June 2015

Audit Dry-Bulb:	16.2	BP = 24.46 in. Hg
Audit Wet-Bulb	8.0	
Audit RH:	34.3	%RH
Station RH:	34.1	%RH
Diff:	-0.2	%RH

Solar Radiation

Audit Device: Eppley Pyranometer, SN 16166F3 (certified by Eppley August 2015)

Time (MST)	CTS Value (W/m^2)	Site Value (W/m^2)	Diff. (%)	Diff. (% FS)
1410	727	728	0.1	0.1
1438	657	657	0.0	0.0

Barometric Pressure

Audit Device: Wallace & Tiernan Model FA185260, S/N LL03297.
Checked against Bison Mercury barometer (Butte) on 09/07/2015

Audit Value:	24.46	in Hg
Station Value:	24.49	in Hg
Diff:	0.03	in Hg

Precipitation

Rain Gauge = Met One Model 375
Level checked OK
Wind Screen in place
8" opening

559 ml water added
Calibration is 8.24 ml per tip
Known audit value is 559 / 8.24 = 67.8 tips (so 67 full tips expected)

Unit registered 68 tips
% difference from expected = 1.5%

Signature Site Operator :_____

Signature Auditor : Steven R Hall

APPENDIX C: EVAPORATION AND PRECIPITATION SUMMARY, THIRD QUARTER 2015

EVAPORATION AND PRECIPITATION SUMMARY FOR TINTINA SITE

(All values in inches)

DATE	TIME	EVAPORATION AS-FOUND	EVAPORATION AS-LEFT	PRECIPITATION (MANUAL)	PRECIPITATION (AUTOMATED)	TOTAL EVAPORATION	NET EVAPORATION
7/1/2015	1530		3.201				
7/6/2015	1000	2.292	2.292	0.05	0.03	0.959	0.909
7/7/2015	1030	2.058	2.058	0.00	0.00	0.234	0.234
7/9/2015	1000	1.700	3.500	0.00	0.00	0.358	0.358
7/13/2015	0900	2.968	2.968	0.15	0.13	0.682	0.532
7/15/2015	0915	2.950	2.950	0.27	0.35	0.288	0.018
7/20/2015	1000	2.038	2.038	0.05	0.04	0.962	0.912
7/22/2015	1000	1.550	3.500	0.05	0.00	0.538	0.488
7/24/2015	1230	3.520	3.520	0.25	0.22	0.230	-0.020
7/28/2015	0900	3.662	3.662	0.95	0.92	0.808	-0.142
7/29/2015	1155	3.428	3.428	0.00	0.00	0.234	0.234
7/30/2015	1300	3.170	3.170	0.00	0.00	0.258	0.258
		TOTAL FOR JULY 1 - JULY 30		**1.77**	**1.69**	**5.55**	**3.78**

EVAPORATION AND PRECIPITATION SUMMARY FOR TINTINA SITE

(All values in inches)

DATE	TIME	EVAPORATION AS-FOUND	EVAPORATION AS-LEFT	PRECIPITATION (MANUAL)	PRECIPITATION (AUTOMATED)	TOTAL EVAPORATION	NET EVAPORATION
7/30/2015	1200		3.170				
8/3/2015	1420	1.910	3.500	0.00	0.00	1.260	1.260
8/4/2015	1300	3.194	3.194	0.00	0.00	0.306	0.306
8/5/2015	1015	3.186	3.186	0.09	0.08	0.098	0.008
8/6/2015	1005	3.052	3.052	0.00	0.00	0.134	0.134
8/10/2015	1330	2.142	2.142	0.00	0.00	0.910	0.910
8/14/2015	0845	1.215	3.500	0.00	0.00	0.927	0.927
8/17/2015	0830	3.054	3.054	0.20	0.20	0.646	0.446
8/20/2015	1030	2.732	2.732	0.05	0.04	0.372	0.322
8/24/2015	0900	2.184	2.184	0.04	0.03	0.588	0.548
8/26/2015	1130	1.584	3.500	0.00	0.00	0.600	0.600
8/28/2015	1300	3.148	3.148	0.00	0.00	0.352	0.352
8/31/2015	0930	2.728	2.728	0.25	0.23	1.022	0.772
		TOTAL FOR JULY 30 - AUGUST 31		**0.63**	**0.58**	**7.22**	**6.59**

EVAPORATION AND PRECIPITATION SUMMARY FOR TINTINA SITE

(All values in inches)

DATE	TIME	EVAPORATION AS-FOUND	EVAPORATION AS-LEFT	PRECIPITATION (MANUAL)	PRECIPITATION (AUTOMATED)	TOTAL EVAPORATION	NET EVAPORATION
8/31/2015	0930		2.728				
9/1/2015	1420	2.470	3.500	0.00	0.00	0.258	0.258
9/4/2015	1300	1.976	1.976	0.15	0.12	1.674	1.524
9/8/2015	1015	2.015	2.015	0.41	0.38	0.371	-0.039
9/10/2015	1005	1.798	1.798	0.00	0.00	0.217	0.217
9/15/2015	1330	1.018	3.500	0.27	0.25	1.050	0.780
9/17/2015	0845	4.358	3.500	0.95	0.89	0.092	-0.858
9/21/2015	0830	2.958	2.958	0.06	0.05	0.602	0.542
9/23/2015	1030	2.971	2.971	0.00	0.00	-0.013	-0.013
9/25/2015	0900	2.464	2.464	0.00	0.00	0.507	0.507
9/28/2015	1130	1.996	1.996	0.00	0.00	0.468	0.468
9/29/2015	1300	1.744	1.744	0.00	0.00	0.252	0.252
9/30/2015	0930	1.692	1.692	0.00	0.00	0.304	0.304
		TOTAL FOR AUGUST 31 - SEPTEMBER 30		1.84	1.69	5.78	3.94

TINTINA RESOURCES, INC.
BLACK BUTTE COPPER PROJECT AMBIENT AIR MONITORING PROGRAM
Quarterly Data Report
Fourth Quarter 2015

Prepared for:

Tintina Resources, Inc.
17 East Main St
White Sulphur Springs, MT 59645

Prepared by:

Bison Engineering, Inc.
2751 Enterprise Ave., Ste. 2
Billings, MT 59102
(406) 896-1716
http://www.bison-eng.com

February 3, 2016

CERTIFICATION OF DATA INTEGRITY

Bison Engineering, Inc., certifies the data in this report is an accurate summary of the air quality conditions measured at the Black Butte Copper Project air monitoring site. Every effort was made to obtain accurate and representative data and to comply with the procedures set forth in the project-specific *Quality Assurance Project Plan*, the *State of Montana Ambient Air Monitoring Program Quality Assurance Project Plan (April 2013)*, and the Environmental Protection Agency's *Quality Assurance Handbook for Air Pollution Measurement Systems: Volume I, A Field Guide to Environmental Quality Assurance (April 1994), Volume II, Ambient Air Quality Program (May 2013), and Volume IV, Meteorological Measurements (March 2008).*

Preparer: Jeffrey S. Bell

Signature: Jeffrey S Bell

Title: Senior Field Technician

Date: 1/29/16

Reviewer: Steven R. Heck

Signature: Steven R Heck

Title: Meteorologist

Date: 2-3-2016

TABLE OF CONTENTS

CERTIFICATION OF DATA INTEGRITY ii

1.0 INTRODUCTION 1

2.0 MONITORING SYSTEM OPERATIONS 3

3.0 CALIBRATION DATA 4

4.0 PERFORMANCE AUDIT DATA 5

5.0 DATA COMPLETENESS 6

6.0 MONITORING DATA 11

LIST OF TABLES

Table 1. Monthly Data Completeness 7
Table 2. Quarterly Data Completeness 10
Table 3. Missing Data Codes 12
Table 4. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 13
Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 14
Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 15
Table 7. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower 16

LIST OF FIGURES

Figure 1. Monitoring Site Location 2
Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower 17
Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower 18
Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower 19
Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower 20

APPENDICES

Appendix A: Meteorological Data
Appendix B: Performance Audit Reports
Appendix C: Evaporation and Precipitation Summary

1.0 INTRODUCTION

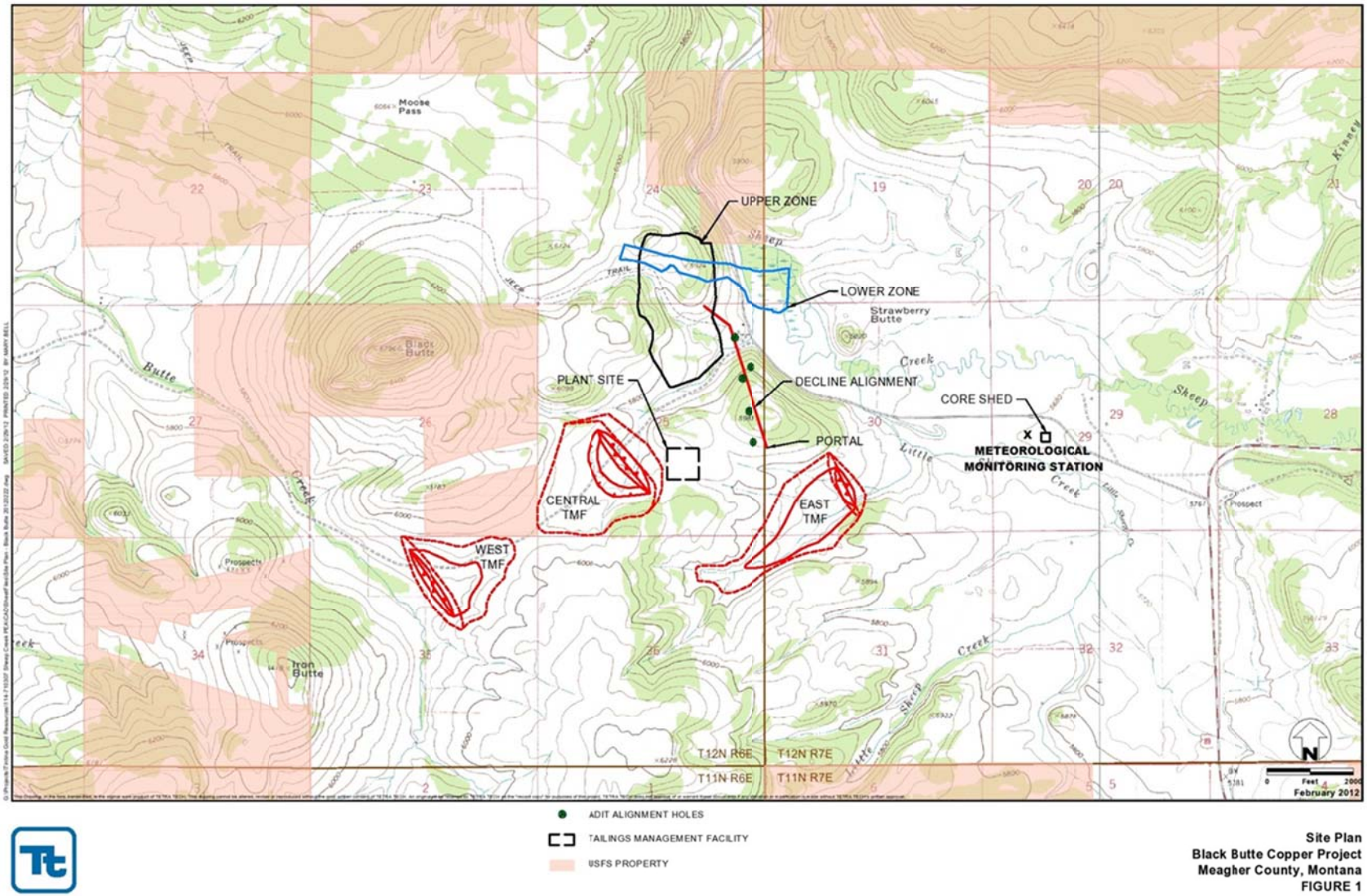
Tintina Resources, Inc. established an ambient air monitoring site to measure wind speed, wind direction, standard deviation of wind direction, temperature at 9 meters and 2 meters, delta temperature, solar radiation, barometric pressure, and precipitation. The station was established to accurately characterize the local meteorology and collect baseline data in support of an operating permit application and various environmental studies.

The meteorological monitoring system was installed in April 2012. The site is operated by Bison Engineering, Inc., of Helena and Billings. Figure 1 shows the location of the monitoring site.

This report presents the data collected during the fourth quarter (October through December) of 2015. In addition, a description of the monitoring system operations is presented, together with summaries of quality assurance activities, including calibrations and performance audits. Tabular summaries of the data completeness achieved and the periods of missing data also are presented. Appendix A presents hourly meteorological data collected.

On June 23, 2015, an evaporation pan and manual precipitation gauge were installed adjacent to the existing meteorological system. The evaporation data will be used for hydrological / water balance studies. The manual rain gauge was installed to provide a backup data source for the existing automatic rain gauge, which has experienced occasional mechanical problems. Also, the automatic rain gauge is sometimes unreliable for measuring frozen precipitation.

Figure 1. Monitoring Site Location



2.0 MONITORING SYSTEM OPERATIONS

The installation of the monitoring meteorological system equipment took place in April 2012, soon after the equipment was received from the manufacturers. The installation and calibration of the equipment required about two weeks to complete. All meteorological parameters were in full operation and producing valid data by April 30, 2012.

Jeff Bell of Bison conducted performance audits of the meteorological system on December 4, 2015, and made any necessary calibration adjustments to the meteorological system following the audits. The Bison report of the audits is presented in Appendix B.

Manual measurements of evaporation and precipitation were recorded by Tintina's on-site personnel two to three times per week until October 21, at which time the evaporation pan was shut down for the winter due to persistent ice. After October 21, manual measurements of the precipitation gauge were taken approximately once per week.

3.0 CALIBRATION DATA

As discussed in Section 4.0, the system's as-found condition was audited on December 4, 2015, and generally found to be satisfactory. Audit results are presented in Appendix B.

The tipping-bucket rain gauge responded acceptably to known volumes of water. However, the rain gauge heater was found to be connected incorrectly and was repaired.

4.0 PERFORMANCE AUDIT DATA

Jeff Bell of Bison conducted performance audits of the meteorological system on December 4, 2015, and made any necessary calibration adjustments to the meteorological system following the audits as described in Section 3.0. The Bison report of the audits is presented in Appendix B.

5.0 DATA COMPLETENESS

The meteorological percentages of data recovery achieved during the fourth quarter of 2015 are given in Tables 1 and 2. In these tables, the number of possible data values during each month of the quarter is given, together with the number of valid readings and the number of hours spent on quality assurance activities (such as calibrations, performance audits, and maintenance on the sensors). The quality assurance hours are added to the number of hours of valid data to compute the net percentage data recovery.

Minor data losses for wind speed, wind direction and wind sigma occurred during November due to icing conditions. During the fourth quarter the net percentage data recovery was 99.8 percent for wind speed, 99.9 percent for wind direction and wind sigma, and 100.0 percent for all other parameters at the site.

Table 1. Monthly Data Completeness

October 2015					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	744	100.0	0	100.0
Wind Direction	744	744	100.0	0	100.0
Standard Deviation	744	744	100.0	0	100.0
Temperature 9 Meters	744	744	100.0	0	100.0
Temperature 2 Meters	744	744	100.0	0	100.0
Temperature Delta T	744	744	100.0	0	100.0
Solar Radiation	744	744	100.0	0	100.0
Barometric Pressure	744	744	100.0	0	100.0
Relative Humidity	744	744	100.0	0	100.0
Precipitation	744	744	100.0	0	100.0
Total	7,440	7,440	100.0	0	100.0

Table 1. Monthly Data Completeness (Continued)

November 2015					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	720	715	99.3	0	99.3
Wind Direction	720	717	99.6	0	99.6
Standard Deviation	720	717	99.6	0	99.6
Temperature 9 Meters	720	720	100.0	0	100.0
Temperature 2 Meters	720	720	100.0	0	100.0
Temperature Delta T	720	720	100.0	0	100.0
Solar Radiation	720	720	100.0	0	100.0
Barometric Pressure	720	720	100.0	0	100.0
Relative Humidity	720	720	100.0	0	100.0
Precipitation	720	720	100.0	0	100.0
Total	7,200	7,189	99.8	0	99.8

Table 1. Monthly Data Completeness (Continued)

December 2015					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	741	99.6	3	100.0
Wind Direction	744	741	99.6	3	100.0
Standard Deviation	744	741	99.6	3	100.0
Temperature 9 Meters	744	741	99.6	3	100.0
Temperature 2 Meters	744	741	99.6	3	100.0
Temperature Delta T	744	741	99.6	3	100.0
Solar Radiation	744	741	99.6	3	100.0
Barometric Pressure	744	741	99.6	3	100.0
Relative Humidity	744	741	99.6	3	100.0
Precipitation	744	741	99.6	3	100.0
Total	7,440	7,410	99.6	30	100.0

Table 2. Quarterly Data Completeness

Fourth Quarter 2015					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	2,208	2,200	99.6	3	99.8
Wind Direction	2,208	2,202	99.7	3	99.9
Standard Deviation	2,208	2,202	99.7	3	99.9
Temperature 9 Meters	2,208	2,205	99.9	3	100.0
Temperature 2 Meters	2,208	2,205	99.9	3	100.0
Temperature Delta T	2,208	2,205	99.9	3	100.0
Solar Radiation	2,208	2,205	99.9	3	100.0
Barometric Pressure	2,208	2,205	99.9	3	100.0
Relative Humidity	2,208	2,205	99.9	3	100.0
Precipitation	2,208	2,205	99.9	3	100.0
Total	22,080	22,039	99.8	30	100.0

6.0 MONITORING DATA

The hourly data values collected at the monitoring sites are given in the data tables in Appendix A. Each of these tables presents one month's data for one parameter in the monitoring system. In addition, the average, maximum, and minimum values for each parameter for each day are listed (for wind direction, the prevailing wind direction for the day is given). For those hours with missing data, a code is given that explains the reason the data were missing. These codes are given in Table 3.

Monthly and quarterly wind rose distributions from the monitoring site are presented in Tables 4 through 7. These tables give the percentage frequency of occurrence of winds from 16 cardinal directions and from 22 wind speed ranges. These same data are presented graphically in Figures 2 through 5. In the wind rose figures, the length of each "petal" of the rose is proportional to the percentage of time the wind blew from that direction. On the bottom of each figure is a histogram showing the average wind speed from each of the cardinal wind directions.

A separate compilation of data collected from the evaporation pan and manual rain gauge is presented in Appendix C. For comparison purposes, the precipitation amounts reported by the automatic rain gauge over the same time periods are provided:

- In October overall precipitation amounts obtained from the manual gauge were comparable to those reported by the automated rain gauge.

- In November precipitation measured from the manual gauge was approximately 50% higher than from the automated gauge. This may reflect failure of the automated gauge's heater to completely melt frozen precipitation (which is predominant during the winter months).

- In December precipitation measured by the automated gauge was approximately 50% higher than from the manual gauge. The automated gauge's heater was known to be working properly beginning December 4. Also, precipitation (consisting largely of blowing snow) may not have been captured completely by the manual gauge due to the lack of a wind screen.

Table 3. Missing Data Codes

Mnemonic Code	Description	Equivalent EPA Null Value Reason Code
Sc	Scheduled but not collected	9972
Ti	Sample time out of limits	9973
Fi	Filter damage	9976
Op	Voided by operator	9978
ND	Machine malfunction	9980
Wx	Bad weather	9981
Co	Collection error	9983
Lb	Lab error	9984
QA	Poor quality assurance results	9985
Pwr	Power failure	9988
Wi	Wildlife damage	9989
AZ	Automatic zero/span check	9991
ZS	Manual zero/span check	9986
Au	Performance audit	9992
Ma	Routine maintenance/repairs	9993
Ca	Multipoint calibration	9995
PZ	Precision/zero/span	9998

Table 4. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

October 2015																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.5	1.2	1.5	2.0	2.3	2.8	3.1	2.8	0.7	0.5	0.5	0.1	0.7	0.8	0.4	0.8	21.8
	1.1 - 2.0	0.7	0.4	2.2	2.7	3.8	4.3	3.8	2.0	0.8	0.4	0.5	0.4	0.4	0.8	1.1	0.4	24.6
	2.1 - 3.0	0.1	0.0	0.1	1.1	2.3	2.0	1.2	0.7	0.7	0.1	0.7	0.7	2.2	2.3	0.8	0.3	15.2
	3.1 - 4.0	0.1	0.1	0.0	0.4	0.7	0.5	0.1	0.8	0.4	0.5	0.5	1.1	3.8	3.4	1.1	0.1	13.7
	4.1 - 5.0	0.3	0.0	0.0	0.1	0.1	0.0	0.3	1.5	0.0	0.1	0.5	0.8	1.9	1.9	1.2	0.3	9.0
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.1	0.4	0.5	0.5	1.3	1.5	1.3	0.3	6.6
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.1	0.8	0.3	1.1	0.8	0.4	0.3	4.4
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.1	0.0	0.8	0.7	0.1	0.0	2.0
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.5	0.1	0.0	0.0	0.8
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.5
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.3
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	2.7	1.7	3.8	6.3	9.1	9.7	8.5	9.3	2.7	2.3	4.4	4.0	14.1	12.5	6.5	2.4	100.0
	Average Speed	1.4	1.2	1.2	1.6	1.8	1.5	1.5	2.8	2.1	3.2	3.9	3.9	5.0	4.1	3.8	2.8	2.9

Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

November 2015																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.3	0.7	1.3	1.8	0.8	2.9	4.6	3.2	1.7	1.1	0.3	0.3	0.1	0.3	0.7	1.4	22.5
	1.1 - 2.0	0.0	0.8	1.7	1.0	3.2	3.6	5.5	3.9	2.1	0.7	0.7	0.6	1.4	1.7	0.6	0.3	27.7
	2.1 - 3.0	0.0	0.3	0.6	0.4	2.5	1.5	2.1	1.0	0.3	0.3	0.1	0.8	3.1	2.0	0.6	0.0	15.5
	3.1 - 4.0	0.3	0.0	0.0	0.1	0.4	0.4	0.3	1.5	1.0	0.1	0.0	1.5	2.8	1.5	0.8	0.3	11.2
	4.1 - 5.0	0.1	0.0	0.0	0.0	0.4	0.1	0.3	0.4	0.8	0.8	0.1	0.3	3.2	1.1	0.4	0.1	8.4
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.3	0.3	0.7	0.3	0.4	1.7	1.1	0.0	0.7	5.7
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.6	0.4	0.3	1.1	1.7	0.1	0.3	4.9
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.8	0.1	0.1	0.4	2.1
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.3	0.6
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.4
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	1.7	1.8	3.5	3.4	7.7	8.7	12.9	10.3	6.4	4.6	2.5	4.9	14.5	9.8	3.5	3.8	100.0
	Average Speed	1.5	1.2	1.3	1.3	2.2	1.6	1.5	1.9	2.4	3.7	4.7	4.0	4.2	4.2	3.1	3.8	2.7

Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

December 2015																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.1	1.3	2.0	1.6	2.0	3.1	3.6	4.5	1.9	0.8	0.4	0.7	0.8	0.9	0.9	0.9	26.7
	1.1 - 2.0	1.2	1.5	1.1	1.6	2.2	4.3	4.6	4.2	1.2	0.4	0.0	1.6	2.2	1.1	1.2	0.7	29.0
	2.1 - 3.0	0.1	0.1	0.0	0.3	0.8	1.6	0.3	1.1	1.5	0.3	0.7	0.3	0.9	1.8	1.3	0.3	11.3
	3.1 - 4.0	0.0	0.1	0.0	0.0	1.5	0.7	1.2	2.6	0.7	0.5	0.4	0.4	1.5	1.9	0.3	0.0	11.7
	4.1 - 5.0	0.1	0.1	0.0	0.0	1.6	0.1	0.7	0.4	0.8	1.1	0.7	0.1	1.6	0.7	0.3	0.9	9.3
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.7	0.0	0.1	0.3	1.1	0.3	0.7	0.4	1.2	0.1	0.3	0.3	5.4
	6.1 - 7.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.5	0.3	0.9	0.0	0.3	0.7	3.1
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.1	0.1	0.1	0.1	0.4	1.6
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.3	0.0	0.0	0.0	0.0	0.8
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.0	0.0	0.0	0.5
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	2.7	3.2	3.1	3.5	8.8	9.9	10.5	13.0	7.6	3.6	4.5	4.3	9.9	6.6	4.7	4.2	100.0
	Average Speed	1.5	1.4	1.0	1.2	2.6	1.6	1.8	1.8	2.9	3.4	5.1	3.4	3.9	2.7	2.5	3.8	2.5

Table 7. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower

Fourth Quarter 2015																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.3	1.1	1.6	1.8	1.7	3.0	3.8	3.5	1.4	0.8	0.4	0.4	0.5	0.7	0.7	1.0	23.7
	1.1 - 2.0	0.6	0.9	1.6	1.8	3.0	4.1	4.6	3.4	1.4	0.5	0.4	0.9	1.3	1.2	1.0	0.5	27.1
	2.1 - 3.0	0.1	0.1	0.2	0.6	1.9	1.7	1.2	0.9	0.8	0.2	0.5	0.6	2.0	2.0	0.9	0.2	14.0
	3.1 - 4.0	0.1	0.1	0.0	0.2	0.9	0.5	0.5	1.6	0.7	0.4	0.3	1.0	2.7	2.3	0.7	0.1	12.2
	4.1 - 5.0	0.2	0.0	0.0	0.0	0.7	0.1	0.4	0.8	0.5	0.7	0.5	0.4	2.2	1.2	0.6	0.5	8.9
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.4	0.5	0.5	0.5	0.5	1.4	0.9	0.5	0.4	5.9
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.6	0.3	1.0	0.8	0.3	0.4	4.1
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.2	0.6	0.3	0.1	0.3	1.9
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.0	0.0	0.1	0.7
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.0	0.0	0.0	0.5
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.0	0.0	0.0	0.5
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	2.4	2.3	3.5	4.4	8.5	9.4	10.6	10.9	5.5	3.5	3.8	4.4	12.8	9.6	4.9	3.5	100.0
	Average Speed	1.5	1.3	1.2	1.4	2.2	1.6	1.6	2.1	2.6	3.4	4.5	3.8	4.4	3.8	3.2	3.5	2.7

Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower

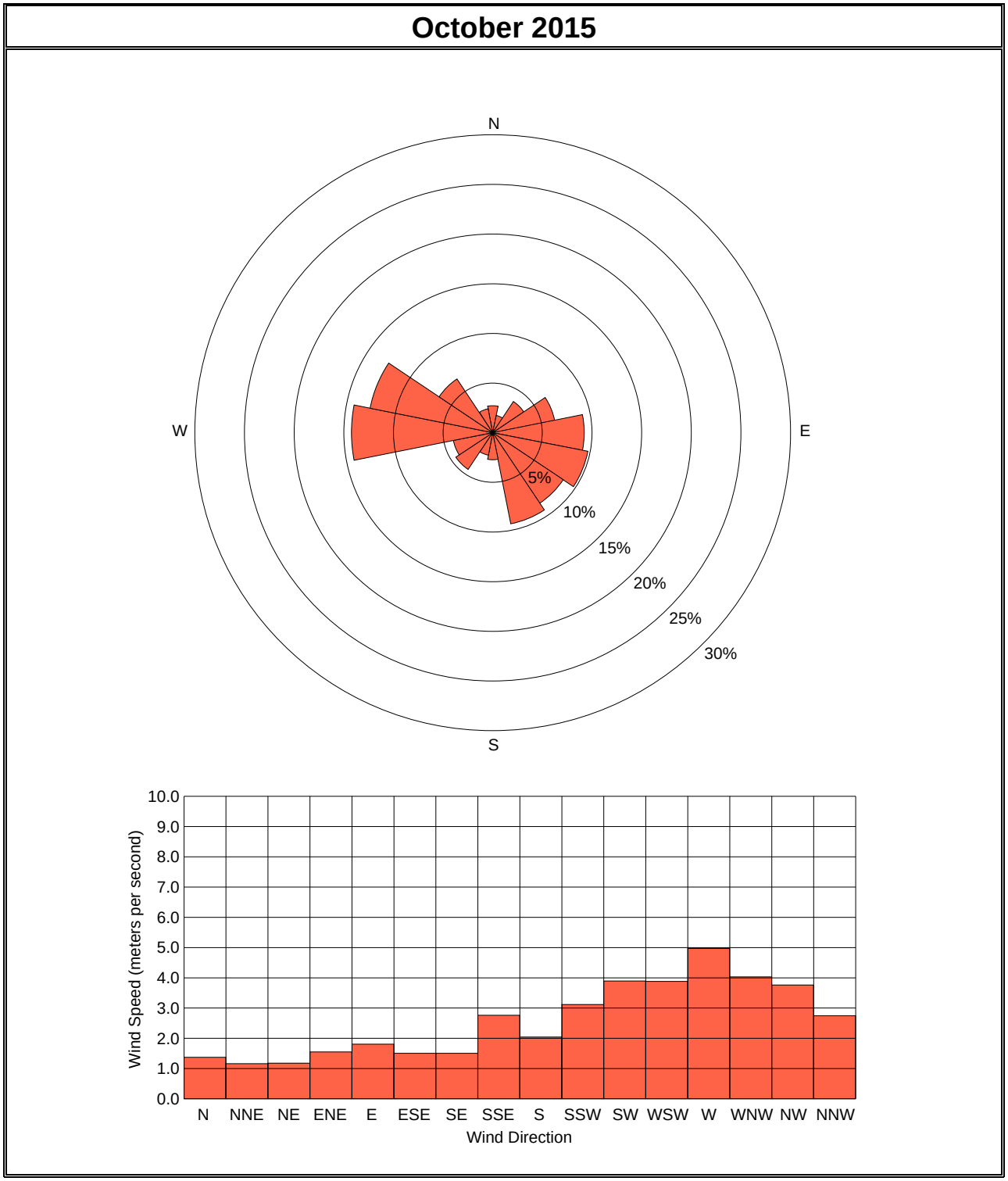


Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower

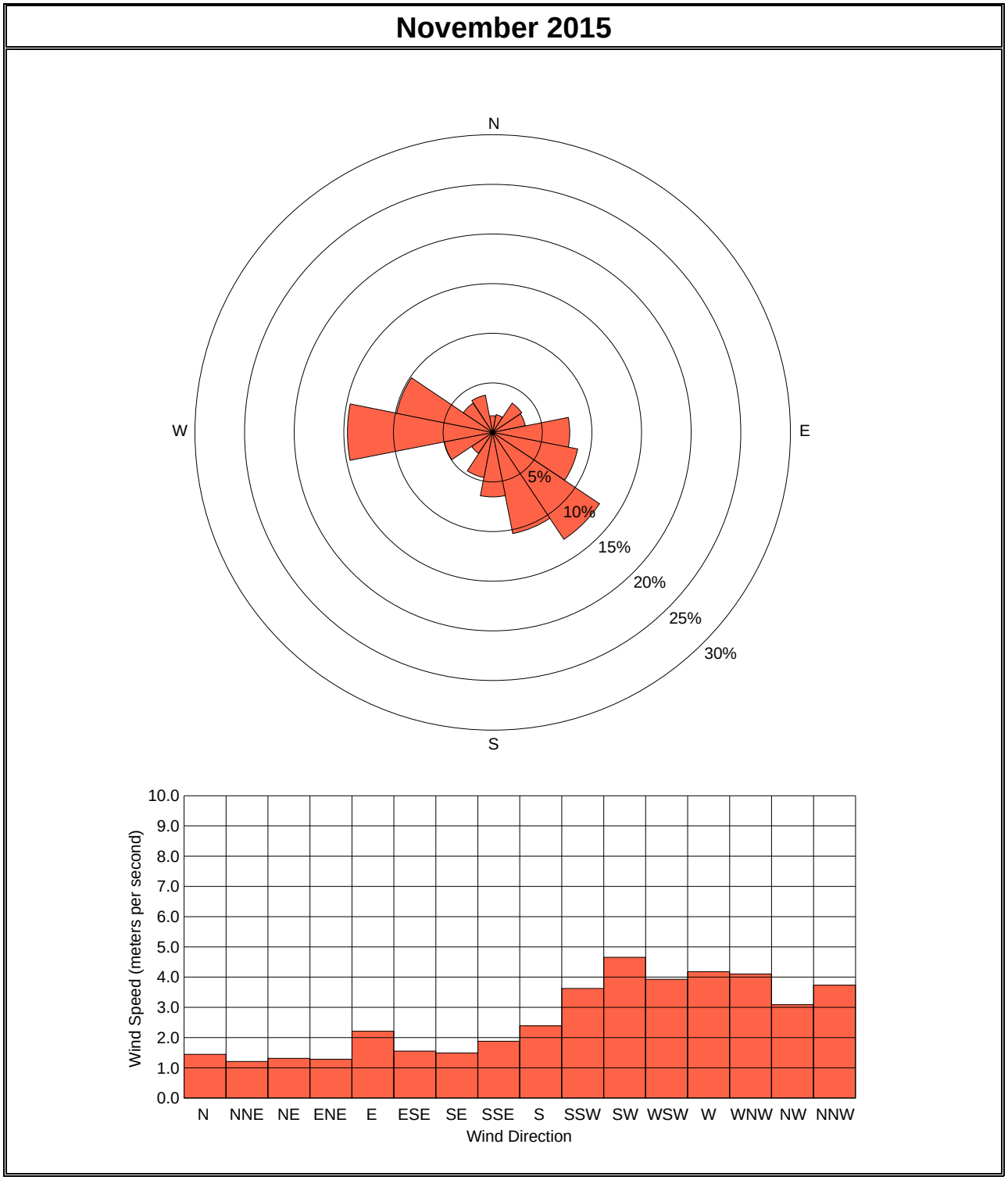


Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower

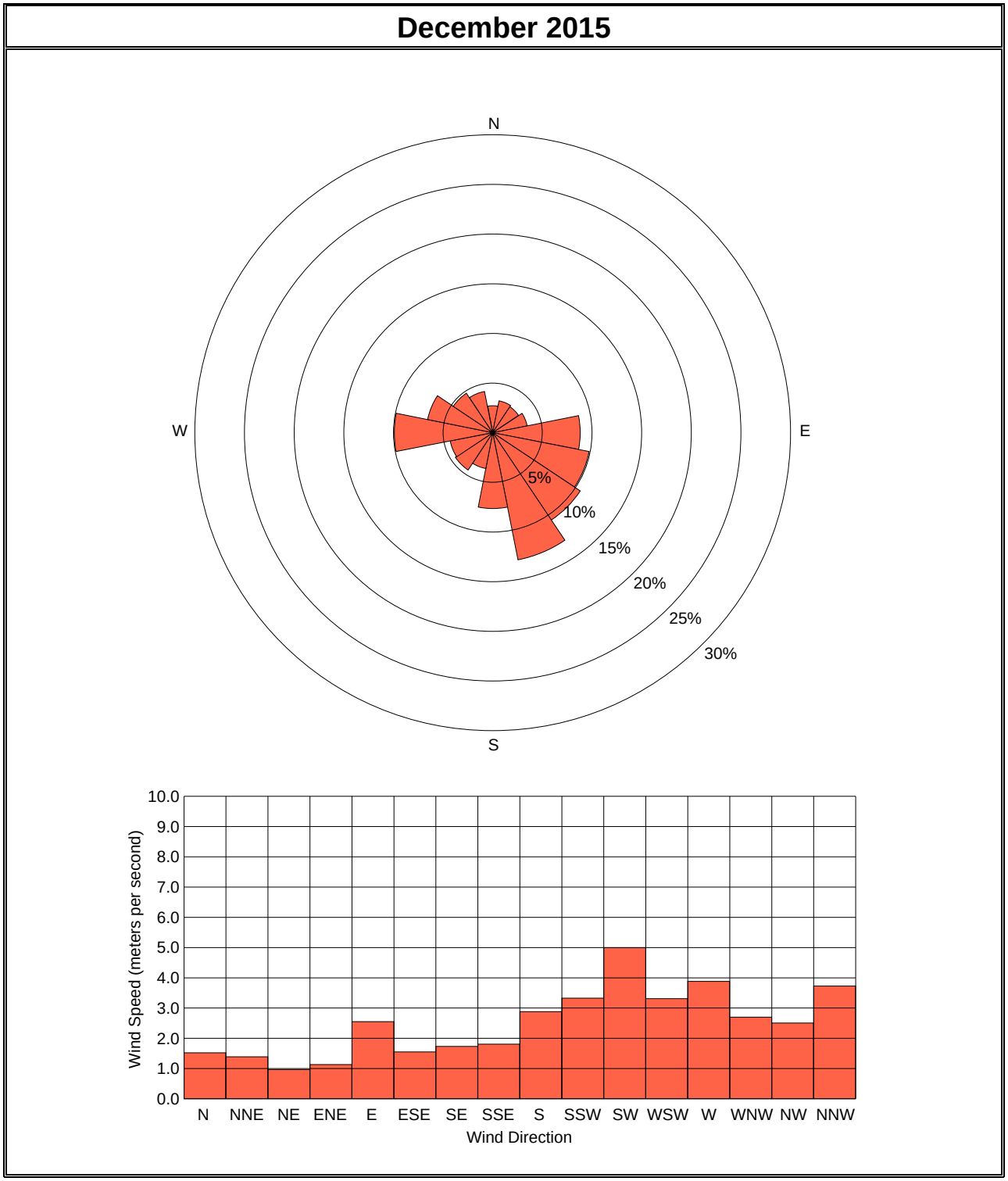
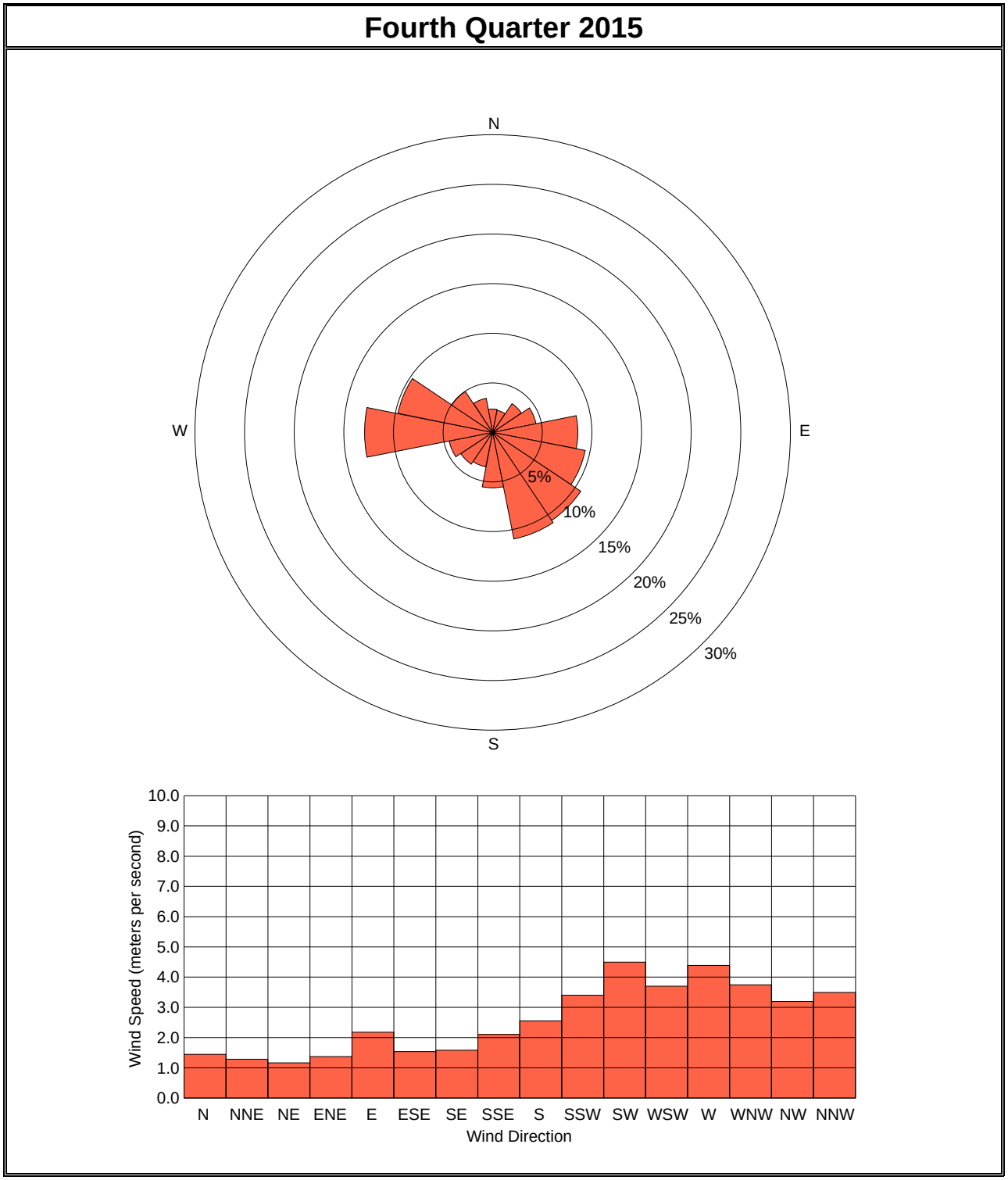


Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower



APPENDIX A: HOURLY AIR QUALITY AND METEOROLOGICAL DATA, FOURTH QUARTER 2015

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
October 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.9	1.2	1.1	0.8	1.1	0.9	1.3	1.1	0.5	0.7	4.6	5.6	4.1	4.8	3.3	2.6	4.2	4.4	4.4	2.2	1.7	1.3	1.8	1.7	2.3	5.6	0.5
2	3.4	3.1	3.1	1.6	2.3	1.9	1.3	1.5	1.0	1.0	2.1	3.4	3.8	2.9	3.8	4.2	4.3	3.3	2.3	1.1	1.7	2.4	0.9	1.8	2.4	4.3	0.9
3	3.3	4.9	3.4	5.3	4.9	4.6	4.5	5.3	5.0	6.1	6.2	6.1	6.5	5.6	5.5	5.9	5.0	4.5	4.4	3.8	3.7	3.7	3.8	3.9	4.8	6.5	3.3
4	3.6	3.1	3.4	3.0	3.2	4.1	4.0	3.0	3.1	2.8	2.4	3.0	2.7	2.2	2.2	1.3	2.5	5.5	4.4	1.6	1.2	0.9	0.7	0.8	2.7	5.5	0.7
5	0.6	1.0	0.5	0.5	0.3	0.6	0.9	0.5	0.7	0.6	2.4	4.1	4.0	3.4	3.5	3.4	3.2	1.6	2.1	2.9	2.3	1.7	1.4	1.3	1.8	4.1	0.3
6	1.1	1.7	0.7	1.2	1.1	1.1	0.8	1.1	0.4	0.8	2.7	2.7	3.5	3.8	3.2	3.4	3.1	2.1	1.8	2.5	2.4	2.1	1.8	1.2	1.9	3.8	0.4
7	1.5	0.8	0.9	0.6	0.7	0.9	1.4	2.3	2.7	5.0	6.1	6.9	7.6	4.9	2.6	0.8	1.0	1.6	1.3	0.4	0.9	0.5	0.4	0.8	2.2	7.6	0.4
8	0.7	0.8	0.5	0.5	0.6	1.0	0.6	0.4	0.8	1.0	2.5	3.8	4.9	3.7	4.0	5.1	4.7	2.9	1.5	1.7	1.8	1.7	1.4	1.1	2.0	5.1	0.4
9	0.8	0.5	0.7	1.2	1.3	1.3	3.0	2.0	1.9	1.2	3.7	4.9	5.1	5.8	7.1	5.0	5.0	4.0	2.8	2.9	2.6	1.8	1.7	1.4	2.8	7.1	0.5
10	1.7	1.0	1.2	2.0	1.5	1.6	1.3	1.5	0.6	0.8	2.9	6.3	6.1	6.6	8.1	7.4	6.0	5.2	4.8	2.4	1.6	1.8	2.4	2.4	3.2	8.1	0.6
11	1.5	1.8	6.2	10.2	9.0	7.9	7.3	5.5	10.2	13.0	12.4	13.8	12.9	11.7	11.5	10.7	9.7	7.4	7.5	3.8	1.7	1.9	2.6	1.8	7.6	13.8	1.5
12	1.8	2.8	2.0	1.8	1.5	1.8	1.8	1.3	1.2	4.0	5.9	6.5	7.4	5.1	3.7	6.5	4.6	2.2	2.1	2.4	4.0	6.9	7.1	8.0	3.9	8.0	1.2
13	6.7	5.7	6.2	4.8	3.3	2.3	2.1	1.2	0.7	4.0	4.8	8.6	10.4	9.7	9.3	8.7	7.8	5.7	3.6	2.0	4.0	5.6	6.9	4.1	5.3	10.4	0.7
14	2.8	1.5	2.1	2.1	2.3	2.0	1.4	0.8	0.7	5.4	6.0	5.3	6.0	5.8	6.0	6.2	5.2	3.9	2.0	2.8	2.7	2.5	1.7	1.3	3.3	6.2	0.7
15	1.0	1.9	1.2	1.1	0.8	1.1	1.0	1.3	1.0	4.0	6.3	7.0	7.4	7.0	6.7	6.7	7.1	3.9	1.2	1.5	1.6	1.0	1.4	2.0	3.1	7.4	0.8
16	1.3	0.9	0.8	0.7	0.6	0.9	0.4	0.6	0.6	0.5	1.0	1.4	2.5	2.6	2.8	2.7	1.4	2.5	1.9	3.0	1.8	1.8	1.8	1.8	1.5	3.0	0.4
17	1.1	0.7	1.0	0.3	0.7	0.5	0.5	0.8	0.4	0.6	1.6	3.1	2.9	3.9	3.5	3.4	3.9	2.3	2.1	1.6	1.8	1.8	1.7	1.6	1.7	3.9	0.3
18	1.7	1.7	1.1	0.9	1.4	2.1	0.8	1.1	1.0	0.9	1.3	3.1	4.7	5.0	4.7	2.8	2.0	1.1	1.5	1.1	1.3	1.7	1.5	1.6	1.9	5.0	0.8
19	1.4	1.0	0.4	1.5	1.0	1.2	0.8	0.6	0.9	0.9	1.0	3.1	3.3	3.0	2.7	2.7	2.7	2.8	1.3	1.5	1.0	1.3	3.3	4.3	1.8	4.3	0.4
20	5.3	6.5	4.5	3.9	4.0	4.2	3.7	5.4	3.8	5.3	6.0	4.9	6.7	5.1	4.4	3.9	2.7	3.0	2.2	3.4	2.6	1.4	1.4	0.9	4.0	6.7	0.9
21	1.2	0.7	0.6	1.0	0.6	0.8	0.7	0.7	0.3	0.7	1.0	1.1	2.3	3.5	3.2	2.9	3.6	2.2	2.9	3.2	2.6	2.7	2.5	1.7	1.8	3.6	0.3
22	1.7	1.2	0.9	0.9	1.0	0.6	0.7	0.8	0.5	0.7	2.7	4.2	3.9	4.5	4.8	5.2	4.5	2.4	2.2	1.7	1.6	1.5	1.4	1.0	2.1	5.2	0.5
23	1.2	1.5	1.3	1.3	0.4	0.6	0.5	0.7	0.6	1.0	2.7	3.4	3.3	3.8	3.9	3.7	2.9	2.7	2.0	3.0	3.2	2.2	0.8	1.2	2.0	3.9	0.4
24	1.1	0.9	1.1	0.8	1.0	0.9	1.1	0.9	0.9	0.8	0.9	3.8	3.7	2.8	2.5	3.3	2.2	1.5	4.4	3.6	2.4	1.9	1.2	1.9	1.9	4.4	0.8
25	2.6	4.6	4.5	3.7	3.2	3.3	2.3	1.4	0.5	0.7	0.9	4.3	5.2	6.0	6.0	4.5	3.2	4.6	4.7	4.9	4.2	2.8	2.7	3.5	3.5	6.0	0.5
26	1.7	2.0	1.0	1.5	1.9	2.8	1.9	1.4	1.2	2.7	2.3	4.1	3.3	3.3	3.8	4.7	2.8	2.0	3.3	3.3	2.4	1.6	3.3	4.2	2.6	4.7	1.0
27	3.7	2.3	1.1	1.8	1.5	1.8	3.6	4.4	5.3	6.1	5.7	5.3	5.2	4.1	3.8	3.9	2.5	1.3	1.2	0.7	0.9	0.7	1.1	0.9	2.9	6.1	0.7
28	0.8	0.7	0.9	0.5	0.5	0.6	0.3	0.4	0.4	0.6	2.9	4.4	5.0	4.0	4.8	5.2	2.1	1.4	2.1	2.0	1.5	0.9	1.4	0.9	1.8	5.2	0.3
29	0.5	0.7	1.1	0.9	1.0	0.7	0.8	0.7	0.8	1.0	2.7	5.1	4.7	5.2	6.5	6.2	3.7	2.4	1.2	1.0	0.9	3.7	3.8	5.4	2.5	6.5	0.5
30	2.9	1.4	1.3	1.8	1.6	0.8	1.6	1.0	2.2	4.3	4.6	6.5	5.1	6.0	6.5	6.3	6.1	6.0	6.7	7.1	9.2	8.8	8.1	7.8	4.7	9.2	0.8
31	5.0	6.1	4.3	5.0	4.0	3.6	3.1	1.9	1.7	1.2	0.9	2.6	2.4	3.3	4.4	3.8	1.4	1.7	2.6	3.5	5.4	5.9	5.9	6.0	3.6	6.1	0.9
Avg	2.1	2.1	1.9	2.0	1.9	1.9	1.8	1.7	1.7	2.5	3.5	4.8	5.1	4.8	4.8	4.6	3.9	3.2	2.9	2.5	2.5	2.5	2.5	2.5	2.9	6.0	0.7
Max	6.7	6.5	6.2	10.2	9.0	7.9	7.3	5.5	10.2	13.0	12.4	13.8	12.9	11.7	11.5	10.7	9.7	7.4	7.5	7.1	9.2	8.8	8.1	8.0	7.6	13.8	3.3
Min	0.5	0.5	0.4	0.3	0.3	0.5	0.3	0.4	0.3	0.5	0.9	1.1	2.3	2.2	2.2	0.8	1.0	1.1	1.2	0.4	0.9	0.5	0.4	0.8	1.5	3.0	0.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
November 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	5.3	3.8	4.3	4.2	3.4	1.9	2.0	2.3	3.7	3.9	5.0	7.3	7.8	7.6	9.3	8.2	8.0	4.5	5.8	4.9	4.2	7.0	4.1	2.0	5.0	9.3	1.9
2	2.0	2.6	2.3	2.2	1.9	2.4	0.9	1.1	1.0	0.5	0.6	0.8	1.6	2.5	1.4	1.2	1.1	1.6	3.8	2.6	1.9	1.7	1.5	1.9	1.7	3.8	0.5
3	0.7	0.5	0.4	0.6	0.9	0.5	0.5	0.8	0.5	0.4	1.3	0.8	1.1	1.3	2.2	3.3	2.6	2.0	Wx	Wx	Wx	Wx	Wx	1.5	1.2	3.3	0.4
4	3.7	2.8	3.6	3.5	2.4	2.6	2.1	2.3	3.2	3.3	3.5	2.8	3.4	3.1	2.8	2.7	2.5	2.2	2.0	0.8	1.0	2.4	2.7	1.6	2.6	3.7	0.8
5	1.7	3.7	3.1	1.8	1.1	0.9	0.6	1.8	3.4	3.8	4.9	6.4	5.3	4.8	5.9	6.0	4.4	3.1	3.1	0.9	0.7	0.6	0.9	1.6	2.9	6.4	0.6
6	0.4	0.7	0.9	0.6	0.4	0.3	0.7	0.3	0.2	0.4	3.6	7.0	7.8	7.5	7.3	6.1	4.4	3.7	2.0	1.9	2.2	3.0	2.1	2.0	2.7	7.8	0.2
7	1.2	1.4	1.2	1.0	1.0	1.0	1.2	1.0	0.7	0.7	1.7	3.7	3.9	4.1	4.0	3.8	4.5	2.7	2.4	1.9	1.6	1.7	2.9	2.7	2.2	4.5	0.7
8	2.1	2.4	2.4	2.1	2.5	2.4	2.3	1.9	2.5	4.6	6.0	3.9	3.8	4.7	5.3	4.6	3.5	2.4	1.6	2.0	3.9	5.8	4.5	3.1	3.3	6.0	1.6
9	2.2	1.7	2.0	1.5	1.3	1.4	1.3	1.4	1.5	1.3	1.2	3.1	4.8	6.8	3.0	3.8	3.5	1.4	3.9	2.3	1.5	2.6	3.3	1.7	2.4	6.8	1.2
10	2.8	2.9	4.6	4.6	4.8	3.3	3.4	3.0	1.8	2.8	2.4	3.2	3.9	2.9	3.6	3.8	2.3	2.4	3.7	2.6	0.9	1.3	1.2	0.8	2.9	4.8	0.8
11	1.4	3.1	3.7	3.1	2.2	1.8	2.5	2.6	1.7	2.7	5.5	5.9	2.9	2.9	3.8	3.3	3.6	4.1	5.5	6.1	7.0	6.2	4.6	2.2	3.7	7.0	1.4
12	1.9	2.2	1.9	2.4	2.7	1.8	2.7	1.8	1.3	1.7	6.6	6.6	7.3	5.3	6.1	6.3	3.4	1.5	1.6	1.7	2.0	1.2	1.5	1.3	3.0	7.3	1.2
13	1.4	0.8	1.0	1.8	2.3	2.4	2.9	2.3	3.9	9.4	5.0	5.1	5.2	6.2	6.3	5.8	6.7	6.0	4.8	5.1	4.2	4.9	4.1	3.7	4.2	9.4	0.8
14	2.5	3.1	2.5	2.0	2.2	1.2	1.5	1.7	2.9	2.1	4.7	6.0	6.7	5.4	4.2	3.3	1.8	3.6	2.3	3.7	2.9	2.3	1.7	4.1	3.1	6.7	1.2
15	5.3	3.8	1.3	1.2	1.3	1.3	1.8	1.8	2.3	1.2	0.8	3.1	3.4	4.6	3.8	1.9	1.1	1.5	2.6	1.4	1.1	2.5	2.3	1.8	2.2	5.3	0.8
16	1.8	1.3	0.8	1.3	0.9	1.6	4.0	5.0	5.1	6.9	6.8	6.6	5.6	6.2	6.0	4.9	5.4	4.7	3.6	1.5	1.4	1.4	1.2	1.9	3.6	6.9	0.8
17	1.8	1.2	1.6	1.0	0.9	1.2	1.8	0.9	1.0	0.9	0.8	1.6	3.3	6.3	6.1	4.9	4.7	7.0	4.6	6.5	5.7	5.5	9.5	10.2	3.7	10.2	0.8
18	10.1	10.4	11.2	14.9	13.3	12.7	8.5	6.3	6.7	6.2	5.4	5.4	4.2	5.4	6.4	7.4	4.8	4.1	2.8	1.3	1.4	1.8	1.8	0.8	6.4	14.9	0.8
19	4.8	5.5	4.4	4.6	2.6	2.7	3.2	3.7	4.2	4.4	4.4	5.4	5.7	4.7	4.1	2.2	1.1	1.0	1.5	1.3	0.8	0.5	0.6	1.0	3.1	5.7	0.5
20	0.7	0.8	0.9	0.9	0.5	1.3	1.1	1.2	3.8	4.2	3.9	3.7	5.8	7.7	5.9	4.0	2.7	1.6	1.7	1.6	1.5	1.2	0.9	0.5	2.4	7.7	0.5
21	1.0	0.7	0.7	0.8	1.2	1.2	1.0	1.8	2.5	3.7	4.4	6.1	6.1	5.8	6.6	4.7	5.8	7.4	3.5	1.5	4.0	4.1	2.4	2.5	3.3	7.4	0.7
22	2.7	2.0	2.0	1.6	2.4	2.5	3.0	4.0	2.7	1.4	1.7	3.0	7.0	4.6	4.3	3.0	2.3	4.7	3.0	1.6	1.1	1.1	1.3	1.0	2.7	7.0	1.0
23	1.3	0.8	1.2	1.1	1.4	1.7	1.3	1.1	1.7	1.1	0.8	2.8	4.5	3.2	2.7	3.6	2.3	1.5	2.5	1.5	2.0	1.3	1.5	1.2	1.8	4.5	0.8
24	1.3	1.6	1.5	1.0	1.2	1.9	1.6	1.2	0.9	1.6	4.5	2.8	3.5	6.1	7.5	8.4	8.2	6.5	5.8	6.4	5.9	5.3	7.3	8.0	4.2	8.4	0.9
25	7.4	5.2	5.3	4.6	4.0	5.0	3.5	2.4	2.1	1.7	2.3	1.2	2.1	3.0	2.6	1.4	1.1	1.0	0.7	0.9	0.8	0.7	0.6	0.6	2.5	7.4	0.6
26	0.8	1.0	0.9	0.8	0.5	0.9	0.6	0.6	0.5	0.4	0.6	2.0	2.5	3.0	3.2	1.7	1.7	1.2	1.8	1.4	1.5	0.7	1.5	0.9	1.3	3.2	0.4
27	0.7	1.2	0.5	0.8	0.6	0.4	0.6	0.5	0.6	0.5	0.4	0.5	0.6	0.6	0.7	1.1	1.1	1.8	1.0	0.9	1.3	0.7	0.5	0.5	0.8	1.8	0.4
28	0.7	0.6	0.7	0.9	0.5	0.3	0.4	0.4	0.5	0.4	0.6	0.7	2.2	2.8	2.9	3.5	1.8	0.8	1.1	1.0	0.7	0.8	0.9	0.9	1.1	3.5	0.3
29	0.5	0.5	0.4	0.6	0.7	0.4	0.8	0.7	0.5	0.4	0.3	0.5	0.9	1.7	1.8	1.6	1.3	1.5	1.3	1.1	1.0	1.6	1.2	1.0	0.9	1.8	0.3
30	1.5	0.7	0.5	0.6	0.6	0.5	0.6	0.6	0.8	0.7	0.7	0.9	0.6	0.9	1.9	1.8	1.3	2.1	1.9	1.3	1.4	1.2	1.2	1.1	1.1	2.1	0.5
Avg	2.4	2.3	2.3	2.3	2.1	2.0	1.9	1.9	2.1	2.4	3.0	3.6	4.1	4.4	4.4	3.9	3.3	3.0	2.8	2.3	2.3	2.5	2.4	2.1	2.7	6.2	0.8
Max	10.1	10.4	11.2	14.9	13.3	12.7	8.5	6.3	6.7	9.4	6.8	7.3	7.8	7.7	9.3	8.4	8.2	7.4	5.8	6.5	7.0	7.0	9.5	10.2	6.4	14.9	1.9
Min	0.4	0.5	0.4	0.6	0.4	0.3	0.4	0.3	0.2	0.4	0.3	0.5	0.6	0.6	0.7	1.1	1.1	0.8	0.7	0.8	0.7	0.5	0.5	0.5	0.8	1.8	0.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
December 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.9	0.9	1.5	1.4	1.0	1.3	1.6	1.1	0.8	0.9	0.6	1.4	2.5	3.2	2.8	2.1	1.6	1.7	3.5	1.9	1.8	1.6	1.3	1.0	1.6	3.5	0.6
2	1.0	0.9	0.7	0.6	0.7	0.5	0.8	0.9	0.9	0.9	1.4	1.1	2.3	2.8	1.4	1.4	1.1	0.9	1.9	1.0	1.0	1.5	1.2	0.7	1.1	2.8	0.5
3	1.0	0.8	1.0	1.2	1.7	1.9	1.6	1.4	1.3	1.8	3.5	5.0	5.1	4.7	3.6	2.8	3.3	5.5	5.3	5.2	4.9	4.5	4.1	4.0	3.1	5.5	0.8
4	5.2	5.5	4.1	3.4	2.0	4.2	2.8	1.6	4.7	7.4	Au	Au	Au	6.1	6.3	4.9	6.0	6.4	4.0	1.3	1.5	2.2	1.9	1.8	4.0	7.4	1.3
5	1.4	2.5	3.8	1.4	1.5	2.1	2.6	2.1	1.2	0.9	1.7	1.4	4.7	4.6	4.6	3.7	3.0	2.0	2.5	1.7	3.3	3.2	2.6	4.6	2.6	4.7	0.9
6	4.7	4.1	4.8	4.4	4.3	3.0	3.9	8.5	3.1	4.1	6.0	6.6	8.1	5.9	3.9	5.8	5.9	6.1	5.2	5.6	4.9	3.8	2.6	2.7	4.9	8.5	2.6
7	4.8	3.3	2.6	2.7	3.1	2.8	2.9	2.7	3.3	2.6	5.5	5.0	4.3	3.6	3.9	5.6	5.2	5.7	4.9	4.1	2.2	2.9	3.5	4.5	3.8	5.7	2.2
8	6.2	4.9	5.2	5.4	7.0	4.7	4.1	3.9	3.8	3.8	3.8	1.4	1.7	5.9	4.5	4.0	4.9	5.6	6.3	9.2	7.7	2.2	7.6	6.9	5.0	9.2	1.4
9	3.5	2.4	4.3	8.1	5.3	3.7	6.9	6.2	7.6	7.1	5.7	8.1	9.4	10.3	6.7	7.5	10.2	7.3	10.0	7.9	10.2	9.9	9.0	8.6	7.3	10.3	2.4
10	6.2	6.0	6.4	4.3	2.4	0.8	1.9	1.8	2.4	3.5	3.2	3.5	1.9	3.2	3.5	3.1	2.6	0.9	1.2	0.8	1.1	2.3	1.2	1.6	2.7	6.4	0.8
11	1.4	1.7	1.3	1.1	1.3	1.5	0.9	1.5	1.8	1.0	0.8	0.8	1.2	3.1	3.1	3.4	1.5	1.4	1.7	1.2	1.1	1.1	1.3	1.0	1.5	3.4	0.8
12	1.5	0.8	1.3	1.2	1.1	0.7	0.9	1.0	1.1	0.7	0.5	2.4	4.2	4.1	3.8	3.0	1.5	1.6	3.3	4.0	2.5	5.7	3.8	5.5	2.3	5.7	0.5
13	5.1	3.1	3.1	3.5	2.4	3.1	1.4	2.5	4.6	3.1	3.3	5.4	5.4	4.8	3.6	3.1	2.7	3.3	2.1	1.3	1.0	0.8	1.0	1.2	3.0	5.4	0.8
14	1.8	2.1	2.6	2.2	1.5	4.4	4.8	4.9	5.5	6.2	6.7	7.9	7.5	6.6	6.1	4.5	4.6	5.1	6.2	6.1	7.6	7.0	6.3	7.2	5.2	7.9	1.5
15	4.9	3.4	2.5	0.8	1.2	0.8	0.9	0.4	0.3	0.5	0.4	0.4	0.8	2.6	2.6	3.2	3.1	1.0	1.1	1.3	1.6	1.1	0.9	0.6	1.5	4.9	0.3
16	0.4	0.6	0.4	0.3	0.7	1.6	1.1	0.8	0.7	0.8	0.2	0.2	0.6	4.5	4.5	3.7	4.7	4.4	3.3	2.1	1.4	0.7	1.3	1.4	1.7	4.7	0.2
17	1.7	1.2	1.3	1.2	0.7	0.8	0.7	0.7	0.9	1.0	0.8	0.8	1.0	1.6	1.1	0.7	1.4	1.2	1.3	1.3	0.7	1.0	1.1	0.9	1.0	1.7	0.7
18	1.2	3.6	2.9	4.3	4.4	4.7	4.6	4.1	3.5	4.1	4.0	2.7	1.7	3.3	3.4	3.1	1.3	2.1	1.3	1.3	2.0	4.2	3.7	6.6	3.3	6.6	1.2
19	5.2	5.2	3.1	3.6	1.0	1.6	0.8	1.1	2.6	3.3	1.8	1.4	1.4	1.8	1.5	1.7	3.0	2.6	1.8	1.2	0.8	0.9	1.1	0.7	2.1	5.2	0.7
20	1.0	0.9	1.1	0.8	0.6	0.6	0.5	0.6	0.9	0.5	0.7	0.9	1.1	1.2	2.6	1.8	1.2	1.4	2.7	1.5	1.5	1.3	0.9	1.0	1.1	2.7	0.5
21	2.0	1.4	1.3	1.2	0.8	1.5	2.2	0.7	1.1	3.0	3.2	3.8	3.9	4.6	3.9	3.6	3.2	3.3	4.3	4.0	1.9	1.2	1.1	1.1	2.4	4.6	0.7
22	1.0	1.2	0.9	1.3	0.4	1.9	3.3	4.9	4.5	4.1	4.9	5.4	5.3	5.9	5.2	4.1	3.8	4.1	5.6	3.6	2.2	1.5	2.1	1.8	3.3	5.9	0.4
23	0.8	1.5	1.4	1.6	1.5	1.0	1.1	0.6	0.9	0.6	0.5	0.6	0.4	1.6	3.7	1.2	1.1	1.5	0.8	1.0	0.9	0.5	0.8	1.1	1.1	3.7	0.4
24	1.0	0.8	1.1	0.9	0.6	0.7	1.0	1.5	2.6	2.7	1.7	2.0	2.4	2.9	1.9	4.2	1.3	1.4	2.4	1.6	1.9	2.1	1.1	1.6	1.7	4.2	0.6
25	1.4	0.8	1.5	2.3	3.3	2.2	2.1	1.9	1.9	1.7	0.8	0.5	0.7	1.4	2.5	2.5	1.1	1.0	0.8	0.7	0.8	0.5	1.0	0.4	1.4	3.3	0.4
26	0.5	0.6	0.6	1.0	0.6	0.4	0.6	0.5	0.6	0.5	0.5	0.8	2.4	4.6	4.4	2.0	1.4	2.1	1.9	0.9	0.7	0.7	1.0	1.0	1.3	4.6	0.4
27	1.2	1.5	1.3	1.6	1.2	1.5	1.4	0.8	1.5	1.4	0.9	0.7	0.6	0.9	1.0	1.0	0.7	0.9	1.1	1.0	1.6	1.1	0.6	0.8	1.1	1.6	0.6
28	1.2	0.9	0.7	0.7	0.9	0.7	1.1	0.7	0.6	0.8	0.8	0.7	1.0	1.8	1.6	1.5	2.3	4.9	5.2	5.1	4.7	4.1	3.6	3.2	2.0	5.2	0.6
29	4.1	2.7	1.9	1.6	2.0	2.4	1.8	1.1	1.6	1.0	0.5	0.5	2.0	2.9	2.6	1.5	1.7	1.8	0.8	0.7	0.5	0.6	0.4	0.5	1.6	4.1	0.4
30	0.5	0.8	1.5	0.8	0.5	0.6	0.4	0.4	0.2	0.2	0.4	0.5	3.1	3.7	3.4	2.9	2.8	3.8	2.7	2.0	1.6	1.0	1.1	2.4	1.6	3.8	0.2
31	2.1	3.3	2.9	1.6	3.1	1.9	2.7	1.3	0.9	0.8	0.7	1.1	1.1	0.9	1.4	1.5	1.3	2.1	2.0	1.4	1.9	1.6	1.2	1.0	1.7	3.3	0.7
Avg	2.4	2.2	2.2	2.1	1.9	1.9	2.0	2.0	2.2	2.3	2.2	2.4	2.9	3.7	3.4	3.1	2.9	3.0	3.1	2.6	2.5	2.3	2.3	2.5	2.5	5.0	0.8
Max	6.2	6.0	6.4	8.1	7.0	4.7	6.9	8.5	7.6	7.4	6.7	8.1	9.4	10.3	6.7	7.5	10.2	7.3	10.0	9.2	10.2	9.9	9.0	8.6	7.3	10.3	2.6
Min	0.4	0.6	0.4	0.3	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.4	0.9	1.0	0.7	0.7	0.9	0.8	0.7	0.5	0.5	0.4	0.4	1.0	1.6	0.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
October 2015

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	68	74	113	113	174	203	110	42	4	18	160	163	128	167	150	119	139	152	167	141	151	155	192	100	132
2	78	106	105	307	302	294	77	64	51	171	271	300	277	280	281	349	10	11	4	287	274	299	274	317	324
3	326	319	320	339	311	329	318	319	321	324	324	339	342	331	305	306	305	298	300	286	283	290	297	268	313
4	286	295	293	293	289	280	293	295	289	275	226	258	300	255	283	192	128	161	164	144	108	100	70	58	262
5	2	127	171	134	318	141	144	122	232	1	286	299	270	301	308	265	260	276	118	85	96	48	36	73	3
6	51	132	47	102	123	145	155	170	274	61	162	179	213	222	246	250	292	280	136	87	69	85	93	92	136
7	84	42	121	93	29	128	26	63	338	279	287	281	282	291	310	97	278	159	154	183	126	227	116	121	98
8	99	131	78	198	240	142	158	113	113	37	289	259	258	280	254	256	261	263	148	112	111	111	110	138	164
9	173	15	75	139	138	156	89	84	145	99	220	236	262	268	276	246	238	223	132	98	97	83	102	102	144
10	77	89	109	100	35	119	105	175	127	7	162	220	210	234	232	224	229	209	192	221	162	103	102	115	153
11	11	224	248	279	284	288	271	248	271	267	269	278	280	285	286	281	278	279	287	270	304	86	88	77	280
12	106	94	56	80	53	30	70	24	63	304	260	268	277	285	253	238	254	247	174	60	337	294	288	287	321
13	280	287	286	295	102	102	93	70	108	295	284	264	261	258	264	278	308	318	312	292	283	298	277	284	289
14	271	224	225	116	114	111	101	100	24	289	277	304	292	266	285	282	288	290	73	87	87	60	53	44	349
15	164	154	125	118	132	347	351	323	156	148	157	161	154	158	152	151	151	139	151	137	146	143	101	98	140
16	105	35	32	114	121	150	4	128	359	53	263	308	324	302	299	301	342	135	140	117	109	87	79	93	64
17	100	52	137	139	107	98	122	141	57	359	79	176	159	213	207	184	176	145	109	87	91	74	78	103	118
18	123	129	103	61	94	123	193	2	155	25	109	295	271	269	296	322	308	2	142	55	51	118	112	76	79
19	100	113	61	125	159	6	147	297	352	19	343	155	168	171	173	212	286	277	125	145	204	258	269	272	179
20	278	284	273	281	276	286	308	304	295	286	305	305	314	323	328	18	339	271	79	84	81	69	103	105	317
21	151	141	76	180	115	162	160	150	343	274	328	50	219	277	277	262	288	168	113	105	106	86	111	125	145
22	86	46	59	67	97	41	95	114	123	345	298	296	286	282	285	291	306	313	73	48	63	172	176	146	43
23	140	95	60	111	287	98	121	144	313	18	280	257	265	261	262	259	265	262	123	93	93	66	12	58	83
24	76	79	78	92	64	54	56	68	153	339	56	280	298	279	259	281	291	124	279	288	55	89	8	210	31
25	64	75	84	95	73	87	60	121	162	126	167	150	163	170	162	159	167	163	156	147	158	139	141	158	133
26	129	138	167	178	157	142	138	151	152	143	155	311	279	260	265	259	299	79	66	88	97	48	250	256	162
27	291	315	290	296	301	304	305	298	287	287	285	325	322	319	311	277	270	307	117	107	153	285	153	161	292
28	162	99	144	217	101	299	343	302	133	45	314	269	260	256	262	266	251	166	112	97	122	109	138	153	178
29	99	69	129	133	126	153	95	11	82	309	297	268	257	246	259	263	266	271	79	222	156	283	282	267	236
30	283	331	75	130	144	296	138	360	105	226	218	226	218	209	224	216	219	253	267	259	264	265	270	275	238
31	265	266	286	269	274	266	280	271	253	246	106	184	245	243	217	212	221	223	217	220	215	213	226	273	241
Prev	94	86	93	125	109	117	95	72	71	336	263	262	260	261	263	254	269	238	134	119	115	99	109	117	195

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
November 2015

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	294	282	274	278	238	45	116	65	239	288	262	248	242	231	252	256	273	272	293	283	263	266	262	283	267
2	228	266	109	76	138	84	85	132	133	352	334	28	291	293	299	326	328	160	157	163	166	150	122	159	133
3	164	317	123	195	298	184	215	203	109	137	156	204	178	184	158	159	204	189	206	Wx	Wx	Wx	158	285	184
4	314	302	304	302	300	298	301	305	296	260	270	280	258	255	265	287	285	275	262	238	193	235	267	288	278
5	264	271	293	301	301	326	117	247	270	271	268	264	274	261	265	259	268	278	290	56	164	173	188	181	262
6	222	166	172	360	165	314	156	146	202	65	269	267	265	259	259	271	274	271	263	204	136	101	103	113	215
7	81	148	127	135	151	163	169	166	188	137	101	157	164	161	150	167	153	161	142	114	102	92	92	92	139
8	101	116	129	130	138	138	141	134	117	145	158	169	139	176	193	187	164	138	115	155	95	87	104	107	136
9	135	137	91	126	136	146	135	38	110	35	142	150	129	141	158	244	321	210	316	268	283	267	272	236	160
10	283	281	290	295	268	303	312	306	304	291	278	257	264	278	264	266	254	258	247	254	75	139	139	159	271
11	210	271	257	256	267	114	96	97	91	299	275	291	274	284	289	265	274	273	268	283	292	293	281	12	277
12	177	115	84	97	113	92	85	56	101	111	251	259	256	249	234	239	211	178	139	131	127	110	152	160	147
13	94	135	116	112	109	128	102	154	179	226	222	201	211	212	215	214	231	218	209	210	212	203	200	188	183
14	171	157	170	153	166	296	114	125	99	99	195	198	192	181	178	177	112	91	105	106	128	134	145	98	145
15	93	107	105	120	139	151	115	81	98	140	65	149	184	172	163	147	127	135	112	157	125	101	134	90	125
16	95	66	335	102	341	33	296	290	288	286	287	284	287	291	302	293	278	266	279	269	171	140	132	99	296
17	148	145	181	118	249	163	106	350	330	74	292	55	181	210	188	183	203	202	169	170	149	182	211	212	176
18	223	235	276	284	278	295	305	299	312	303	280	278	294	286	288	299	305	304	273	222	108	54	128	127	283
19	280	272	273	277	263	262	273	271	259	258	255	252	258	270	285	252	265	113	80	25	26	306	72	89	276
20	38	135	148	138	52	130	71	22	354	351	5	334	267	263	281	283	247	181	136	89	50	100	115	81	70
21	168	165	125	168	116	173	160	60	47	330	309	288	268	265	266	272	282	281	269	311	84	89	101	77	220
22	80	58	65	42	49	36	35	59	98	14	62	324	292	292	279	270	33	80	83	86	123	132	149	181	58
23	90	121	136	174	164	159	141	147	153	169	207	131	150	145	167	190	143	124	108	94	137	148	164	193	148
24	158	127	146	107	80	84	116	147	338	290	279	259	281	260	319	331	335	338	342	339	330	336	328	328	330
25	327	334	333	332	321	276	286	260	200	255	273	272	291	282	299	263	248	144	111	340	343	278	62	123	292
26	118	133	128	137	111	146	199	187	161	38	49	264	317	268	243	234	207	132	117	100	125	68	113	124	141
27	128	137	73	143	154	116	137	118	141	154	4	42	5	346	325	334	40	89	101	122	168	155	171	156	111
28	140	119	115	134	116	145	127	98	134	34	50	352	262	257	260	255	238	176	163	142	77	93	128	169	137
29	168	129	58	127	139	185	150	133	204	110	17	2	330	320	289	264	233	148	108	122	107	186	158	134	143
30	128	162	66	30	47	78	343	5	169	70	148	351	139	15	272	287	176	88	59	51	28	43	55	23	58
Prev	151	153	122	130	149	134	127	109	156	358	276	268	250	251	252	252	247	185	160	148	121	132	140	136	183

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
December 2015

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	320	9	29	33	331	39	31	32	351	31	34	9	315	287	299	302	306	109	92	104	67	116	120	90	24
2	139	145	166	138	153	164	171	161	149	149	67	4	154	241	268	2	89	199	86	169	42	99	71	49	131
3	138	114	150	147	145	145	145	144	151	124	139	144	146	145	124	104	103	87	97	98	92	90	87	85	123
4	85	87	95	100	29	212	171	163	212	222	Au	Au	Au	241	273	258	279	277	286	295	117	217	79	182	203
5	126	219	287	142	159	86	106	77	158	74	96	78	167	199	180	170	171	135	122	151	103	103	123	133	134
6	170	123	131	129	101	103	149	191	119	179	171	178	213	231	245	240	255	243	264	269	274	270	232	220	199
7	204	184	133	171	164	175	162	193	167	176	211	212	223	210	205	173	173	187	207	207	187	195	239	270	192
8	267	281	270	256	262	271	275	281	285	267	275	243	120	227	227	217	222	215	228	219	224	305	218	219	248
9	201	168	226	222	226	214	217	216	208	218	229	227	230	259	267	276	272	252	272	283	275	256	257	254	239
10	261	275	275	269	260	126	133	129	117	100	104	142	121	163	168	158	169	100	91	30	354	295	119	103	138
11	104	134	88	109	83	171	189	172	166	158	77	20	263	232	284	246	145	125	72	15	54	97	9	20	113
12	180	38	113	132	146	152	136	140	162	219	228	154	166	173	195	186	166	139	169	159	155	164	160	183	161
13	164	151	129	125	148	179	162	190	192	156	147	180	177	177	140	175	104	131	158	161	23	325	290	311	160
14	302	298	324	317	316	328	329	348	344	342	342	345	334	344	1	350	321	320	320	317	321	339	334	332	330
15	340	294	235	35	139	103	87	97	119	123	237	150	66	301	276	276	273	305	204	152	126	206	170	244	186
16	164	167	70	46	336	334	329	343	160	146	165	25	355	324	20	14	334	327	301	305	97	42	131	110	21
17	86	37	69	123	140	351	144	148	146	139	107	63	39	39	27	298	138	115	96	131	194	132	192	267	109
18	152	94	109	88	86	82	84	89	99	87	90	96	64	86	141	154	150	121	121	92	59	99	100	188	104
19	193	172	162	164	88	139	139	111	270	295	293	249	254	252	254	291	296	298	274	300	313	156	182	92	231
20	112	177	162	266	141	198	121	109	54	30	63	113	109	108	173	170	165	107	96	111	108	55	10	44	113
21	80	113	320	179	278	161	85	66	50	90	92	86	154	184	161	155	142	157	161	156	160	161	153	113	133
22	153	160	5	69	303	247	261	266	275	266	265	266	264	267	289	288	285	293	279	287	330	327	32	122	282
23	198	107	257	162	106	91	127	99	132	63	149	79	206	271	279	4	62	127	110	167	140	205	160	158	138
24	132	184	172	155	181	171	162	137	105	90	121	145	165	183	130	217	131	116	115	109	75	112	94	39	136
25	119	336	305	298	313	305	306	281	298	308	282	57	356	315	301	297	147	171	174	331	115	79	106	41	321
26	282	131	156	145	148	115	134	134	119	142	166	179	280	272	266	258	245	131	121	146	157	187	148	179	166
27	149	133	150	135	174	163	156	90	137	167	144	172	93	161	108	121	37	104	141	109	154	162	109	40	132
28	146	102	161	139	116	334	128	58	84	167	156	306	292	279	259	277	2	338	336	323	284	286	285	292	295
29	299	298	270	269	246	251	263	285	263	261	321	263	242	260	262	260	281	296	312	227	242	17	79	260	273
30	111	85	77	13	245	164	67	286	73	106	127	155	265	275	278	271	301	298	302	306	269	257	241	317	280
31	317	320	304	271	297	315	329	10	55	32	48	88	353	359	327	329	18	62	51	6	20	29	25	339	359
Prev	158	137	153	141	165	161	143	130	139	139	137	132	203	240	246	249	201	150	143	173	106	140	130	124	159

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
October 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	85	53	28	86	57	93	88	92	78	66	14	37	46	11	38	28	15	11	10	20	22	30	49	43	46	93	10
2	41	27	37	22	15	78	64	35	34	34	62	14	18	21	10	50	17	14	14	26	21	14	44	17	30	78	10
3	12	7	16	21	32	14	9	8	9	9	10	13	12	16	13	9	9	10	10	10	10	11	9	9	12	32	7
4	16	9	8	8	11	21	8	13	12	21	32	30	42	37	36	86	49	10	11	16	21	37	32	36	25	86	8
5	36	65	83	55	84	60	34	59	83	75	33	16	30	30	31	26	15	22	71	19	18	23	26	27	43	84	15
6	31	37	75	50	34	32	79	35	69	63	23	28	27	28	33	23	9	20	18	18	29	28	44	52	37	79	9
7	82	69	63	80	82	57	62	32	89	15	15	14	10	12	36	89	32	27	15	37	29	84	41	48	47	89	10
8	55	81	60	86	73	31	78	66	35	66	43	23	12	19	25	18	13	13	35	20	41	37	34	36	42	86	12
9	78	93	72	21	44	23	39	34	34	74	65	19	22	17	15	19	15	7	75	22	25	49	34	95	41	95	7
10	51	63	63	61	69	38	69	58	72	57	48	15	18	19	14	13	12	12	6	48	68	54	38	44	42	72	6
11	83	53	29	12	10	17	11	22	16	12	15	13	12	13	12	12	10	9	10	21	35	66	33	43	24	83	9
12	55	41	55	67	75	42	65	81	72	22	20	18	16	19	20	19	12	29	62	53	61	10	12	10	39	81	10
13	14	13	7	8	42	14	17	41	47	26	17	14	11	11	14	13	15	8	25	50	13	13	11	14	19	50	7
14	17	31	34	51	29	32	40	52	60	17	18	13	24	24	22	14	12	7	61	41	39	24	49	37	31	61	7
15	88	43	50	57	71	97	91	98	82	67	11	9	9	10	11	8	6	21	25	42	27	41	28	17	42	98	6
16	35	31	46	59	81	38	87	50	35	66	88	61	23	23	16	10	49	35	21	24	23	17	40	27	41	88	10
17	27	63	25	73	68	71	72	85	88	55	86	26	29	22	23	19	9	60	27	22	24	28	38	44	45	88	9
18	26	26	57	81	68	64	65	81	52	51	70	48	16	16	13	17	20	90	34	73	63	43	35	37	48	90	13
19	56	35	88	48	82	66	67	103	72	72	63	12	15	15	20	18	53	75	25	18	59	29	12	13	47	103	12
20	10	8	11	9	9	12	9	8	11	9	14	8	8	10	20	22	42	20	74	13	22	47	47	56	21	74	8
21	21	68	76	78	69	32	65	70	95	61	67	79	67	20	28	23	14	74	16	15	19	15	28	58	48	95	14
22	28	58	73	58	46	92	76	100	61	54	41	15	18	20	15	14	15	24	49	31	52	49	51	59	46	100	14
23	32	25	57	36	94	53	96	46	46	34	49	25	32	25	23	15	15	11	52	27	13	34	59	40	39	96	11
24	66	59	61	78	63	74	79	78	56	72	85	21	16	23	56	17	24	100	29	38	44	59	92	99	58	100	16
25	35	10	10	14	15	12	20	32	96	53	51	11	11	8	7	16	13	12	10	11	16	14	13	20	21	96	7
26	21	20	54	19	13	7	17	27	19	19	49	18	39	28	21	15	31	52	14	20	36	83	20	17	27	83	7
27	14	9	17	15	36	19	7	8	12	9	16	10	11	17	23	16	22	41	31	50	43	85	29	55	25	85	7
28	58	95	42	95	77	93	79	77	68	72	29	25	12	23	20	12	41	67	37	41	27	51	33	68	52	95	12
29	71	69	40	71	39	77	88	99	90	97	78	16	16	11	11	10	15	20	27	100	55	16	15	9	48	100	9
30	47	54	57	25	40	83	55	89	77	15	12	13	15	14	12	10	17	12	11	10	10	11	12	12	30	89	10
31	10	12	14	18	12	12	13	20	16	21	56	77	19	12	11	13	76	20	19	10	10	10	11	26	22	77	10
Avg	42	43	45	47	50	47	53	55	54	45	41	24	21	19	21	22	22	30	30	31	31	36	33	38	37	85	10
Max	88	95	88	95	94	97	96	103	96	97	88	79	67	37	56	89	76	100	75	100	68	85	92	99	58	103	16
Min	10	7	7	8	9	7	7	8	9	9	10	8	8	8	7	8	6	7	6	10	10	10	9	9	12	32	6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
November 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	11	34	21	15	37	65	36	29	47	28	18	14	15	15	14	13	14	16	20	19	21	12	17	44	24	65	11
2	25	21	85	80	80	35	47	74	96	67	46	77	79	28	46	46	38	46	9	13	13	16	30	16	46	96	9
3	35	28	48	86	26	35	77	54	85	74	13	56	41	17	10	12	63	36	48	Wx	Wx	Wx	13	58	44	86	10
4	4	9	7	6	13	11	9	12	14	8	13	16	8	11	22	15	15	12	17	48	40	24	13	22	15	48	4
5	34	12	18	38	64	83	98	34	13	12	12	8	13	12	10	9	11	11	15	66	61	58	92	16	33	98	8
6	36	62	25	90	64	99	85	71	92	91	22	11	10	9	12	15	17	14	21	27	28	26	34	45	42	99	9
7	86	30	69	49	57	44	41	50	64	71	76	8	10	8	12	13	14	17	33	35	37	49	9	12	37	86	8
8	34	19	19	18	17	16	17	22	25	27	10	20	25	18	11	12	33	79	59	18	14	6	19	22	23	79	6
9	44	40	48	39	52	56	70	56	71	93	78	59	16	15	21	69	11	85	8	21	18	20	19	19	43	93	8
10	27	28	13	13	9	13	13	8	7	14	13	13	16	11	10	11	15	18	10	12	87	35	50	62	21	87	7
11	64	10	12	15	19	31	35	37	59	56	15	15	40	17	14	11	16	13	11	14	14	15	27	91	27	91	10
12	78	67	50	29	45	37	46	48	35	93	13	15	11	12	11	11	15	53	55	51	31	74	53	69	42	93	11
13	93	98	73	77	44	55	25	54	47	8	15	14	13	13	14	13	9	11	10	8	12	11	9	11	31	98	8
14	23	19	22	15	40	53	57	58	42	38	33	13	12	13	14	22	72	14	45	12	19	24	35	14	30	72	12
15	8	25	48	56	69	39	48	41	33	30	97	68	13	17	15	44	64	45	35	57	81	44	43	36	44	97	8
16	38	66	75	42	65	81	21	9	10	8	9	9	11	11	9	10	13	7	18	73	54	64	63	71	35	81	7
17	67	81	73	82	94	60	39	63	45	71	83	31	81	18	9	12	17	10	16	21	13	30	11	10	43	94	9
18	11	13	21	16	9	12	9	12	8	9	12	9	20	17	12	12	10	15	12	90	38	36	49	85	22	90	8
19	17	11	10	14	10	12	11	9	11	12	13	10	10	14	18	37	70	67	21	34	71	73	97	79	30	97	9
20	67	63	49	55	79	24	43	75	30	24	21	36	13	9	10	9	12	37	36	32	37	33	81	72	39	81	9
21	44	49	74	74	91	74	76	40	26	30	19	9	11	10	9	16	18	12	14	50	9	30	40	35	36	91	9
22	44	45	36	45	36	40	47	30	43	80	42	45	8	11	15	34	62	11	19	40	23	30	30	59	36	80	8
23	82	63	32	57	36	26	43	37	26	49	92	69	8	14	24	10	23	17	23	39	24	39	27	57	38	92	8
24	62	38	46	56	74	48	48	39	82	63	24	20	17	8	14	6	7	9	12	12	12	15	10	9	30	82	6
25	7	10	8	9	7	24	17	38	35	29	28	32	55	21	16	20	43	56	64	81	64	88	61	86	37	88	7
26	68	46	60	45	71	34	91	76	74	93	57	42	20	30	8	18	41	41	22	46	26	45	29	31	46	93	8
27	69	30	46	25	44	65	24	45	25	74	88	60	55	26	39	14	42	30	32	46	43	58	65	53	46	88	14
28	46	77	55	38	57	84	66	94	54	84	97	102	23	7	16	6	41	76	41	57	92	51	47	44	56	102	6
29	48	47	91	48	54	63	35	40	64	55	62	45	35	15	29	29	44	20	60	77	77	81	63	86	53	91	15
30	73	97	93	80	77	86	56	84	55	95	82	79	71	59	15	23	103	23	22	33	33	37	59	55	62	103	15
Avg	45	41	44	44	48	47	44	45	44	50	40	34	25	16	16	19	32	30	27	39	38	39	40	46	37	88	9
Max	93	98	93	90	94	99	98	94	96	95	97	102	81	59	46	69	103	85	64	90	92	88	97	91	62	103	15
Min	4	9	7	6	7	11	9	8	7	8	9	8	8	7	8	6	7	7	8	8	9	6	9	9	15	48	4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
December 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	56	71	37	59	44	38	29	35	50	66	69	43	21	19	21	17	22	76	45	55	33	41	51	66	44	76	17
2	83	40	50	67	53	58	30	45	27	30	81	68	16	66	48	58	86	98	73	64	68	57	64	90	59	98	16
3	58	77	23	20	26	18	18	37	20	30	22	8	9	11	19	23	18	7	10	10	10	10	13	14	21	77	7
4	8	7	27	29	73	30	53	73	17	11	Au	Au	Au	19	16	23	22	22	69	44	59	35	53	45	35	73	7
5	48	59	17	80	66	30	40	59	84	75	18	67	14	20	22	11	19	37	29	51	14	16	21	18	38	84	11
6	13	24	13	14	18	61	43	12	18	35	14	16	14	15	21	8	10	10	15	12	20	12	41	37	21	61	8
7	16	28	83	14	27	22	15	31	19	32	12	14	19	27	17	13	8	9	8	11	28	39	22	11	22	83	8
8	12	15	13	8	11	11	13	28	26	19	14	50	80	11	13	16	13	14	10	8	12	73	20	11	21	80	8
9	25	69	42	8	22	43	13	12	9	12	16	15	10	26	12	14	12	15	15	11	12	12	12	10	19	69	8
10	12	12	11	17	53	93	69	40	31	19	21	22	21	7	7	9	9	80	48	93	54	78	68	41	38	93	7
11	51	65	43	50	33	34	51	33	15	53	97	79	83	27	13	7	84	32	37	41	62	58	31	68	48	97	7
12	79	71	52	53	60	54	66	44	30	84	66	68	9	11	13	8	19	66	24	9	14	8	23	12	39	84	8
13	13	18	12	17	20	10	39	21	10	12	16	10	10	12	12	23	21	32	30	44	56	21	25	26	21	56	10
14	14	19	5	7	15	13	15	18	15	11	14	13	14	19	15	26	24	16	8	12	13	8	9	6	14	26	5
15	14	33	55	90	38	70	71	88	82	63	75	98	71	39	15	13	11	46	41	40	42	57	75	59	54	98	11
16	55	77	65	55	49	14	21	80	22	10	45	38	27	38	14	33	16	13	17	36	56	77	27	21	38	80	10
17	26	66	56	45	73	84	50	67	50	47	67	39	41	13	29	69	24	51	40	33	86	83	65	68	53	86	13
18	47	11	22	7	8	7	7	8	8	8	10	12	49	11	18	7	33	34	49	83	61	18	26	18	23	83	7
19	9	15	11	10	84	16	72	71	46	15	20	8	9	6	18	15	9	13	19	49	95	45	73	83	34	95	6
20	71	91	67	89	75	85	68	89	92	97	56	52	44	79	23	15	49	59	23	41	40	72	61	52	62	97	15
21	36	87	62	78	65	64	65	89	88	28	18	10	69	15	9	11	8	15	9	7	11	37	49	49	41	89	7
22	49	64	70	79	88	43	14	12	10	8	8	8	8	11	9	11	11	15	14	22	77	83	84	39	35	88	8
23	64	41	43	58	26	41	27	46	42	93	84	56	71	61	17	73	14	37	76	37	39	83	65	23	51	93	14
24	46	94	64	71	51	61	64	46	27	17	26	19	37	21	83	19	83	56	26	32	34	33	46	32	45	94	17
25	30	81	21	13	6	7	8	15	13	4	89	46	70	18	17	24	57	57	44	73	48	75	94	98	42	98	4
26	99	59	84	40	37	85	74	102	83	53	60	76	26	12	11	21	53	25	41	77	60	68	67	63	57	102	11
27	32	29	47	28	43	42	41	78	42	39	81	79	94	88	73	70	103	90	94	70	43	40	77	80	63	103	28
28	69	87	77	71	57	58	48	87	67	42	97	91	57	23	20	55	48	22	10	19	26	20	19	16	49	97	10
29	9	47	42	45	32	8	17	52	10	15	57	99	27	10	13	18	20	25	43	74	68	85	45	87	40	99	8
30	59	39	20	46	66	27	85	75	40	88	63	55	20	16	12	15	11	8	11	14	43	48	73	41	41	88	8
31	41	10	28	58	13	15	10	76	62	53	72	45	30	56	25	18	40	13	31	32	29	41	42	27	36	76	10
Avg	40	49	41	43	43	40	40	51	37	38	46	43	36	26	21	24	31	35	33	39	42	46	46	42	39	85	10
Max	99	94	84	90	88	93	85	102	92	97	97	99	94	88	83	73	103	98	94	93	95	85	94	98	63	103	28
Min	8	7	5	7	6	7	7	8	8	4	8	8	8	6	7	7	8	7	8	7	10	8	9	6	14	26	4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
October 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	6.8	8.2	7.8	5.7	6.9	7.0	7.7	7.7	8.9	12.2	14.6	14.1	14.5	13.2	13.4	13.8	14.0	12.5	10.9	10.3	10.1	9.5	9.0	7.7	10.3	14.6	5.7
2	7.5	7.6	8.3	6.9	6.9	6.4	5.6	4.6	6.3	8.7	11.8	12.7	12.7	13.0	13.0	13.3	12.9	12.2	11.4	10.5	9.9	8.7	8.0	8.2	9.5	13.3	4.6
3	9.0	9.3	8.9	8.7	6.6	4.3	2.5	1.6	1.0	1.1	1.3	1.7	1.4	1.3	1.1	0.7	0.3	0.0	-0.6	-0.9	-1.2	-1.4	-1.4	-2.0	2.2	9.3	-2.0
4	-1.9	-1.7	-1.8	-1.8	-2.1	-2.2	-2.0	-1.5	-0.9	0.1	1.5	3.1	4.4	5.1	5.8	6.2	6.9	5.5	3.1	2.3	1.8	-0.5	-1.5	-2.7	1.1	6.9	-2.7
5	-3.6	-4.3	-4.9	-5.7	-6.4	-6.2	-6.5	-5.7	-1.5	3.4	8.0	9.8	10.8	11.5	12.5	12.9	12.9	11.3	6.0	3.7	1.9	0.0	-0.4	-1.6	2.4	12.9	-6.5
6	-2.3	-2.5	-3.4	-3.4	-3.5	-4.0	-3.9	-3.2	1.7	9.1	13.9	15.8	17.2	18.0	18.6	18.6	17.8	16.3	11.3	8.3	6.0	3.7	1.9	0.6	6.4	18.6	-4.0
7	0.4	-0.2	0.3	1.2	1.6	2.1	3.0	5.6	9.7	14.3	15.1	15.2	14.6	14.1	12.7	12.3	11.3	9.0	8.2	7.9	7.4	7.2	7.0	6.8	7.8	15.2	-0.2
8	6.5	6.4	6.6	6.7	6.3	5.8	4.5	5.2	7.5	9.5	10.6	11.5	12.1	12.3	13.2	14.3	14.0	12.8	10.1	7.7	6.0	5.4	3.8	3.7	8.4	14.3	3.7
9	3.4	3.6	4.0	3.4	3.3	3.0	3.5	4.9	6.6	12.3	16.7	18.5	19.8	20.3	21.4	21.1	21.2	19.2	15.9	11.0	9.5	7.4	6.3	6.5	10.9	21.4	3.0
10	5.0	4.5	3.6	3.0	2.7	2.8	2.0	2.5	4.5	7.7	18.5	21.4	22.3	23.0	23.5	23.8	23.7	22.0	20.1	17.2	13.8	12.2	10.3	9.9	12.5	23.8	2.0
11	8.1	12.2	16.5	12.2	8.8	7.2	6.7	6.5	7.1	7.8	8.3	8.8	9.6	9.9	9.8	9.6	9.0	8.0	7.0	5.4	4.7	2.4	-1.8	-3.3	7.5	16.5	-3.3
12	-3.4	-2.8	-3.4	-2.8	-3.4	-3.2	-3.9	-3.2	2.7	10.6	13.1	14.6	15.6	15.6	16.0	17.1	16.7	15.9	12.3	10.4	11.3	13.5	13.4	13.4	7.8	17.1	-3.9
13	12.9	12.3	11.7	11.1	6.3	5.9	4.3	4.9	8.4	12.8	13.5	15.4	16.1	16.5	17.0	17.0	16.6	15.0	13.0	12.1	11.8	12.2	12.3	11.9	12.1	17.0	4.3
14	11.5	10.6	9.7	7.8	4.6	3.1	1.2	0.8	5.0	10.9	12.1	12.3	13.5	14.5	15.0	15.4	15.0	13.6	9.9	4.9	3.0	1.3	0.2	-0.4	8.1	15.4	-0.4
15	-1.8	-3.0	-3.2	-3.8	-4.6	-5.3	-6.1	-5.7	-0.3	6.0	8.0	8.6	9.2	9.7	10.0	10.0	9.0	7.4	6.1	5.4	5.2	4.4	3.6	1.4	2.9	10.0	-6.1
16	-1.0	-2.4	-3.7	-4.1	-4.4	-4.9	-6.0	-5.0	-1.5	5.3	11.5	14.5	16.3	17.3	17.5	17.1	16.0	12.9	11.3	8.6	7.2	3.7	1.6	0.3	5.3	17.5	-6.0
17	-0.5	-2.1	-1.8	-3.1	-2.8	-3.6	-4.2	-3.7	0.8	7.4	14.8	17.9	19.3	20.3	20.5	20.7	20.2	16.0	9.7	7.0	4.4	3.5	3.2	2.0	6.9	20.7	-4.2
18	1.3	0.8	1.4	1.6	2.5	3.6	3.6	4.2	7.2	10.7	14.6	16.0	15.7	15.5	14.9	14.5	15.0	14.0	10.1	7.0	6.0	3.5	2.3	1.6	7.8	16.0	0.8
19	0.8	0.5	1.1	0.5	0.0	-0.2	0.1	0.1	2.6	6.1	10.7	12.3	12.8	13.4	14.2	14.5	13.6	11.7	9.8	8.8	8.5	9.1	8.5	8.1	7.0	14.5	-0.2
20	8.2	8.2	7.7	7.5	7.4	6.9	6.5	6.6	6.2	5.9	5.6	4.9	5.2	5.3	7.0	6.6	5.8	4.2	2.3	0.0	-1.0	-2.8	-3.5	-4.1	4.4	8.2	-4.1
21	-4.9	-5.7	-5.9	-5.7	-7.0	-7.5	-7.7	-7.1	-4.0	2.1	7.4	9.5	11.1	11.7	12.5	12.6	11.8	7.7	3.6	1.6	-0.3	-0.4	-2.1	-3.2	1.3	12.6	-7.7
22	-2.9	-3.7	-4.2	-5.2	-4.7	-5.3	-5.2	-5.5	-2.6	3.5	8.9	10.1	10.9	11.8	12.5	12.8	11.6	8.8	4.7	3.6	2.1	0.6	2.4	1.8	2.8	12.8	-5.5
23	-0.5	-3.2	-4.5	-5.5	-6.9	-6.4	-8.0	-8.0	-5.8	0.7	5.3	6.3	7.1	7.8	8.4	8.5	8.0	6.3	4.1	1.5	-0.5	-2.8	-3.4	-4.3	0.2	8.5	-8.0
24	-5.4	-6.9	-7.1	-8.0	-8.7	-8.6	-9.2	-8.8	-5.0	0.9	6.3	8.4	9.5	9.8	10.3	10.4	9.7	8.7	9.3	8.8	7.7	6.5	5.5	5.3	2.1	10.4	-9.2
25	5.7	4.5	3.5	1.7	0.2	-1.0	-1.6	-3.0	-1.1	2.4	6.2	8.8	9.3	8.9	8.1	8.0	7.8	7.0	6.4	5.7	5.0	4.6	4.4	4.5	4.4	9.3	-3.0
26	4.4	4.6	4.4	3.9	2.6	2.8	3.2	3.2	4.3	6.5	8.4	8.2	8.5	9.3	9.9	10.4	9.2	6.9	5.1	3.6	2.3	3.3	4.6	3.9	5.6	10.4	2.3
27	3.3	2.4	2.5	2.1	1.7	1.5	1.7	1.2	1.2	0.8	0.1	0.7	1.0	1.3	2.2	2.0	1.7	1.2	-0.1	-1.1	-1.3	-1.4	-2.3	-4.0	0.8	3.3	-4.0
28	-5.5	-6.7	-7.8	-8.9	-9.0	-9.5	-10.1	-9.8	-7.2	-1.8	3.2	5.4	6.5	7.6	8.0	7.9	6.7	3.1	-0.7	-2.4	-3.9	-4.3	-5.2	-6.6	-2.1	8.0	-10.1
29	-7.1	-7.2	-7.6	-8.0	-7.5	-8.1	-7.4	-7.0	-4.8	-2.3	2.7	4.0	4.0	4.0	4.2	3.6	3.1	3.2	3.0	2.5	2.2	2.6	2.4	2.1	-1.0	4.2	-8.1
30	1.3	0.3	0.3	-2.0	-2.9	-3.3	-2.5	-1.7	1.3	4.9	5.6	5.8	5.3	5.9	6.5	6.4	6.7	7.1	7.8	8.0	7.4	7.2	6.8	5.7	3.7	8.0	-3.3
31	5.1	4.9	4.7	4.9	5.2	5.2	5.2	4.9	4.8	5.4	5.4	6.1	7.6	8.7	9.0	8.3	8.0	8.8	9.3	10.3	10.9	11.0	11.1	9.7	7.3	11.1	4.7
Avg	1.9	1.6	1.4	0.7	-0.0	-0.4	-0.7	-0.5	2.0	6.0	9.2	10.4	11.1	11.5	11.9	11.9	11.5	9.9	7.8	6.1	5.1	4.2	3.5	2.7	5.4	13.0	-2.3
Max	12.9	12.3	16.5	12.2	8.8	7.2	7.7	7.7	9.7	14.3	18.5	21.4	22.3	23.0	23.5	23.8	23.7	22.0	20.1	17.2	13.8	13.5	13.4	13.4	12.5	23.8	5.7
Min	-7.1	-7.2	-7.8	-8.9	-9.0	-9.5	-10.1	-9.8	-7.2	-2.3	0.1	0.7	1.0	1.3	1.1	0.7	0.3	0.0	-0.7	-2.4	-3.9	-4.3	-5.2	-6.6	-2.1	3.3	-10.1

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
November 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	6.9	5.9	5.4	5.2	5.2	4.8	4.6	4.8	5.3	6.4	8.0	9.0	9.9	10.4	10.8	10.5	7.9	6.1	4.9	3.6	3.3	3.2	2.1	2.0	6.1	10.8	2.0
2	1.8	1.7	0.7	-0.5	-1.8	-2.8	-4.2	-3.8	-3.2	-1.1	1.6	3.3	4.1	4.6	4.8	4.9	4.4	3.5	2.5	1.8	1.7	1.4	1.0	0.4	1.1	4.9	-4.2
3	0.0	-0.2	-0.4	-0.4	-0.4	-0.6	-0.8	-0.8	-0.4	-0.2	-0.1	-0.3	-0.3	-0.4	-0.4	-0.6	-0.8	-1.1	-1.4	-1.5	-1.7	-1.8	-1.8	-1.7	-0.8	0.0	-1.8
4	-1.9	-2.3	-2.5	-2.6	-2.8	-3.3	-3.2	-3.3	-3.2	-3.2	-2.9	-2.6	-2.5	-2.5	-2.0	-1.6	-1.5	-1.5	-1.5	-1.5	-1.8	-1.8	-2.0	-2.4	-2.3	-1.5	-3.3
5	-2.3	-2.5	-3.6	-4.8	-5.5	-5.7	-4.8	-4.4	-3.9	-3.6	-3.4	-3.3	-3.0	-2.7	-2.3	-2.5	-3.0	-3.3	-3.6	-4.1	-4.3	-4.4	-6.9	-8.5	-4.0	-2.3	-8.5
6	-9.9	-10.0	-10.8	-12.2	-12.8	-12.4	-11.7	-10.7	-9.2	-7.4	-4.5	-4.2	-2.5	-1.9	-1.7	-1.9	-2.4	-3.0	-3.2	-4.7	-6.1	-6.7	-7.2	-8.4	-6.9	-1.7	-12.8
7	-9.2	-10.0	-10.2	-10.8	-11.5	-11.1	-11.1	-10.8	-10.0	-6.3	-0.9	2.0	3.3	3.8	4.6	4.7	3.5	2.0	0.5	-0.2	-0.5	-0.3	-0.9	-1.0	-3.4	4.7	-11.5
8	-4.1	-5.5	-5.5	-5.7	-6.5	-6.5	-6.9	-5.1	-2.5	2.6	4.9	6.0	6.8	7.2	7.3	7.2	5.7	3.4	2.4	-0.6	1.5	-1.2	-2.4	-3.4	-0.0	7.3	-6.9
9	-4.2	-4.4	-4.6	-5.4	-4.6	-4.6	-3.5	-2.3	-1.4	0.2	2.7	5.5	6.6	6.1	5.8	3.2	0.0	-0.4	-1.2	-2.2	-2.3	-2.3	-3.0	-3.4	-0.8	6.6	-5.4
10	-3.5	-3.2	-3.2	-3.4	-4.4	-4.7	-4.7	-4.8	-4.9	-4.9	-4.5	-4.0	-3.1	-3.0	-3.0	-3.0	-2.9	-2.8	-2.9	-3.7	-4.8	-7.0	-9.4	-9.1	-4.4	-2.8	-9.4
11	-6.2	-4.4	-5.2	-5.9	-5.8	-7.6	-9.1	-9.3	-7.3	-3.7	-1.9	-1.8	-1.5	-1.6	-0.9	-1.1	-1.8	-2.0	-2.5	-2.7	-2.7	-3.1	-3.6	-4.9	-4.0	-0.9	-9.3
12	-6.0	-7.4	-7.6	-8.8	-8.6	-10.3	-10.5	-12.5	-12.0	-7.4	-2.5	-2.1	-1.9	-1.8	-1.0	-1.3	-2.1	-3.4	-5.1	-7.4	-7.6	-8.3	-9.4	-9.2	-6.4	-1.0	-12.5
13	-7.5	-7.1	-6.1	-5.3	-3.1	-2.9	-1.1	1.0	2.6	3.8	4.7	5.1	5.0	5.7	6.4	6.4	6.3	5.7	5.4	5.6	5.8	5.8	5.4	5.4	2.2	6.4	-7.5
14	4.7	4.6	3.9	3.1	1.1	0.5	-0.5	-1.5	0.2	3.1	7.7	9.0	9.2	9.4	9.4	8.7	8.1	6.2	4.3	6.1	6.7	5.9	4.3	4.0	4.9	9.4	-1.5
15	0.5	-0.8	-2.2	-3.5	-4.1	-4.6	-4.4	-4.0	-1.9	-0.9	0.6	7.1	8.3	8.8	8.4	6.8	4.6	2.4	1.6	-0.8	-2.3	-2.4	-2.2	-3.1	0.5	8.8	-4.6
16	-4.4	-5.3	-4.8	-5.1	-5.4	-3.2	-0.8	-1.9	-2.5	-3.2	-3.5	-3.5	-2.7	-2.4	-2.5	-2.8	-3.1	-4.6	-5.4	-7.2	-10.4	-13.0	-13.8	-15.7	-5.3	-0.8	-15.7
17	-15.3	-15.3	-15.8	-14.4	-12.3	-9.5	-7.8	-7.7	-6.7	-4.9	-3.2	-0.2	2.2	2.4	2.3	2.9	2.7	3.6	3.5	3.6	3.3	3.9	3.7	3.3	-3.2	3.9	-15.8
18	3.5	3.4	1.3	0.0	-0.8	-2.6	-4.9	-5.6	-6.1	-6.8	-6.8	-6.9	-6.5	-5.3	-4.7	-4.6	-5.7	-6.1	-6.7	-9.2	-11.0	-11.9	-9.9	-9.5	-5.1	3.5	-11.9
19	-6.1	-5.8	-5.7	-5.3	-5.4	-5.3	-5.1	-5.1	-4.9	-4.6	-4.1	-3.6	-3.1	-2.6	-2.5	-3.0	-3.7	-5.0	-6.3	-7.1	-7.3	-7.2	-8.1	-8.6	-5.2	-2.5	-8.6
20	-8.7	-8.8	-8.0	-8.0	-8.1	-9.0	-9.4	-9.4	-9.3	-9.3	-9.1	-8.9	-8.6	-8.5	-8.5	-8.7	-9.4	-11.8	-14.6	-16.3	-16.9	-18.3	-19.4	-20.0	-11.1	-8.0	-20.0
21	-20.6	-20.2	-20.1	-20.4	-20.5	-19.8	-18.6	-15.4	-9.4	-6.3	-5.0	-3.6	-2.7	-1.7	-1.4	-1.7	-2.0	-2.0	-3.0	-3.6	-6.0	-8.0	-10.0	-10.9	-9.7	-1.4	-20.6
22	-11.3	-11.5	-11.8	-12.7	-12.0	-11.5	-10.8	-9.1	-8.1	-6.1	-0.7	3.6	5.0	5.5	5.3	4.4	2.9	0.1	-1.9	-4.1	-5.4	-6.0	-8.2	-9.3	-4.7	5.5	-12.7
23	-9.6	-10.0	-9.7	-9.6	-9.7	-8.7	-9.0	-10.1	-9.3	-7.1	-4.0	2.9	5.3	5.8	6.8	6.4	4.4	2.4	0.3	-0.5	-2.2	-3.4	-4.9	-5.1	-3.3	6.8	-10.1
24	-5.4	-5.7	-5.0	-5.5	-5.5	-6.1	-6.1	-5.5	-4.6	-2.7	-3.6	-3.8	-3.2	-4.9	-5.7	-7.0	-7.9	-8.4	-8.7	-9.2	-9.6	-10.0	-10.6	-11.3	-6.5	-2.7	-11.3
25	-11.7	-12.0	-12.4	-12.7	-12.5	-13.7	-13.5	-13.6	-13.8	-13.1	-11.7	-10.5	-10.7	-11.7	-12.1	-12.8	-14.1	-17.0	-18.9	-21.3	-20.9	-21.6	-22.8	-23.5	-14.9	-10.5	-23.5
26	-24.7	-24.6	-25.9	-26.0	-26.1	-25.6	-26.1	-25.9	-25.3	-22.2	-17.6	-11.9	-9.5	-9.1	-9.2	-9.0	-11.0	-14.1	-17.4	-19.0	-20.7	-21.4	-22.2	-22.4	-19.5	-9.0	-26.1
27	-22.5	-24.0	-23.8	-23.7	-24.6	-24.0	-24.6	-25.0	-24.5	-22.3	-18.0	-12.9	-8.9	-6.2	-5.4	-6.5	-8.4	-11.8	-13.8	-15.1	-16.7	-17.3	-17.8	-17.7	-17.3	-5.4	-25.0
28	-18.4	-18.5	-18.4	-17.3	-18.1	-18.2	-17.9	-18.4	-18.3	-16.1	-11.2	-6.7	-2.9	-2.2	-2.6	-3.7	-5.3	-8.6	-11.4	-13.2	-15.2	-16.2	-16.8	-17.7	-13.1	-2.2	-18.5
29	-18.4	-18.4	-19.0	-18.6	-19.3	-19.7	-19.7	-19.8	-19.9	-16.8	-13.0	-8.3	-3.3	-2.6	-1.8	-2.1	-3.4	-6.1	-9.9	-11.9	-13.2	-14.9	-15.6	-16.4	-13.0	-1.8	-19.9
30	-16.0	-16.7	-17.7	-18.0	-17.9	-18.0	-19.0	-18.3	-18.3	-15.9	-13.7	-11.5	-7.4	-4.2	-3.6	-4.3	-6.5	-11.2	-12.8	-13.5	-15.1	-16.0	-15.8	-17.5	-13.7	-3.6	-19.0
Avg	-7.7	-8.0	-8.3	-8.6	-8.8	-8.9	-8.8	-8.6	-7.8	-6.0	-3.9	-1.9	-0.6	-0.2	0.0	-0.4	-1.5	-3.0	-4.2	-5.3	-6.1	-6.8	-7.6	-8.2	-5.5	0.7	-11.9
Max	6.9	5.9	5.4	5.2	5.2	4.8	4.6	4.8	5.3	6.4	8.0	9.0	9.9	10.4	10.8	10.5	8.1	6.2	5.4	6.1	6.7	5.9	5.4	5.4	6.1	10.8	2.0
Min	-24.7	-24.6	-25.9	-26.0	-26.1	-25.6	-26.1	-25.9	-25.3	-22.3	-18.0	-12.9	-10.7	-11.7	-12.1	-12.8	-14.1	-17.0	-18.9	-21.3	-20.9	-21.6	-22.8	-23.5	-19.5	-10.5	-26.1

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
December 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-16.3	-16.9	-16.7	-17.8	-17.2	-16.3	-17.4	-17.2	-17.1	-15.1	-10.3	-4.1	-3.0	-2.2	-1.9	-2.0	-2.4	-4.5	-7.0	-9.6	-10.5	-12.6	-13.0	-13.9	-11.0	-1.9	-17.8
2	-14.9	-15.2	-15.6	-16.3	-16.9	-18.1	-17.7	-18.0	-15.8	-12.3	-7.3	-5.1	-0.6	-1.0	-3.9	-4.1	-4.1	-4.2	-4.4	-7.3	-9.9	-10.8	-12.0	-13.3	-10.4	-0.6	-18.1
3	-12.9	-14.6	-14.8	-13.9	-11.9	-12.2	-11.3	-11.5	-11.3	-7.1	-2.4	1.2	2.9	3.8	3.9	2.8	2.8	-0.1	0.1	0.3	1.8	2.1	3.4	2.6	-4.0	3.9	-14.8
4	-0.1	-0.1	-0.8	3.6	2.2	3.9	3.0	2.1	3.8	3.8	Au	Au	Au	4.3	3.3	2.4	1.2	0.9	0.2	-0.7	-2.2	-0.9	-1.1	-1.5	1.3	4.3	-2.2
5	-2.3	-1.7	-1.3	-2.2	-3.9	-4.1	-7.3	-7.8	-7.9	-6.1	-2.9	-0.7	0.4	1.3	1.3	0.6	-0.8	-3.3	-4.0	-2.8	-3.3	-2.6	-4.1	-0.5	-2.8	1.3	-7.9
6	-0.6	0.1	0.4	0.8	0.4	0.6	0.9	1.3	-0.1	1.5	2.8	3.8	5.3	5.3	5.4	5.2	4.7	4.1	3.7	3.2	2.7	2.4	1.7	1.2	2.4	5.4	-0.6
7	0.2	0.0	0.1	0.6	0.0	1.2	0.8	0.9	2.0	2.8	4.4	4.9	5.5	5.7	5.7	3.5	2.9	3.2	3.7	3.4	3.3	2.7	2.9	3.4	2.7	5.7	0.0
8	3.9	3.8	4.0	3.9	3.7	2.6	3.0	3.5	3.7	3.9	4.1	4.0	4.7	6.1	6.6	7.1	7.3	7.4	7.7	7.5	7.6	7.7	7.7	7.6	5.4	7.7	2.6
9	7.2	7.3	7.7	7.5	7.5	7.9	7.9	8.0	7.7	8.1	8.6	7.9	7.0	3.7	2.3	2.5	2.4	1.8	1.4	0.9	0.6	0.1	0.1	-0.1	4.8	8.6	-0.1
10	-0.7	-0.7	-1.1	-1.4	-1.8	-3.2	-4.6	-4.5	-3.9	-2.2	-0.8	-1.9	-2.4	-2.6	-2.6	-2.2	-2.4	-2.6	-2.1	-1.7	-2.4	-1.9	-2.6	-3.2	-2.3	-0.7	-4.6
11	-3.8	-3.5	-3.5	-3.2	-3.8	-5.3	-5.8	-6.8	-8.2	-8.4	-7.1	-5.1	-2.3	-0.6	-0.7	-1.1	-2.8	-6.6	-9.3	-10.6	-9.3	-9.6	-9.6	-8.5	-5.6	-0.6	-10.6
12	-8.8	-9.9	-10.7	-10.4	-9.9	-9.8	-10.7	-12.2	-12.6	-12.5	-9.4	-4.6	-1.3	-0.9	-0.6	-1.0	-2.2	-3.9	-4.1	-4.2	-5.1	-3.8	-3.5	-2.8	-6.5	-0.6	-12.6
13	-2.7	-3.1	-3.0	-2.5	-2.3	-1.7	-1.5	-1.4	-1.3	-1.7	-0.8	0.0	0.2	0.7	1.2	1.2	1.0	0.8	-0.1	-1.0	-1.6	-2.5	-2.1	-1.9	-1.1	1.2	-3.1
14	-1.7	-1.7	-1.7	-1.8	-2.0	-2.2	-3.2	-4.5	-5.2	-5.9	-6.5	-7.1	-7.2	-7.1	-7.2	-7.4	-7.2	-7.3	-7.4	-7.2	-7.2	-7.2	-7.6	-8.0	-5.5	-1.7	-8.0
15	-8.3	-8.9	-9.8	-11.8	-13.3	-15.4	-16.9	-18.3	-18.9	-18.7	-16.7	-14.6	-11.4	-7.1	-6.3	-6.3	-6.8	-8.3	-9.2	-9.8	-10.5	-12.3	-12.5	-12.9	-11.9	-6.3	-18.9
16	-12.0	-11.5	-11.0	-8.7	-8.1	-8.0	-8.2	-8.2	-9.1	-8.7	-8.3	-7.9	-7.6	-7.6	-8.2	-9.0	-9.6	-10.2	-11.5	-14.1	-14.9	-15.6	-15.7	-16.2	-10.4	-7.6	-16.2
17	-18.2	-18.7	-17.5	-18.8	-19.2	-18.5	-17.6	-17.6	-18.2	-19.1	-17.6	-12.3	-11.0	-10.2	-9.8	-10.8	-13.1	-16.3	-18.2	-19.0	-19.0	-18.1	-16.9	-15.7	-16.3	-9.8	-19.2
18	-14.3	-11.7	-11.2	-10.2	-9.5	-8.7	-8.1	-7.2	-6.5	-5.4	-3.7	-2.4	-1.0	-0.1	0.5	0.2	-0.3	-0.1	-1.2	-2.4	-2.3	-1.4	-1.7	0.4	-4.5	0.5	-14.3
19	1.0	1.2	0.8	0.9	1.0	0.8	-0.2	-0.7	-1.3	-1.8	-1.8	-1.9	-2.1	-2.0	-2.1	-2.2	-2.4	-2.7	-2.9	-3.1	-3.3	-4.1	-4.7	-4.6	-1.6	1.2	-4.7
20	-5.9	-7.9	-10.1	-12.5	-14.2	-15.7	-14.6	-13.6	-14.4	-13.2	-10.5	-7.9	-7.2	-7.1	-5.4	-6.0	-8.7	-10.2	-9.6	-13.0	-13.8	-13.3	-10.8	-8.6	-10.6	-5.4	-15.7
21	-7.1	-7.6	-8.6	-8.5	-7.5	-10.2	-11.7	-11.7	-12.7	-9.3	-7.5	-6.2	-4.0	-3.5	-3.7	-4.3	-4.8	-4.7	-4.8	-5.5	-5.8	-5.7	-5.8	-4.7	-6.9	-3.5	-12.7
22	-5.8	-7.2	-7.1	-6.6	-6.0	-4.7	-3.9	-4.4	-4.5	-4.6	-4.7	-4.6	-4.5	-4.3	-4.0	-4.1	-4.5	-5.0	-5.3	-6.1	-7.1	-7.1	-7.7	-8.2	-5.5	-3.9	-8.2
23	-8.3	-8.4	-8.8	-11.0	-13.1	-15.6	-17.1	-19.1	-20.3	-21.0	-17.7	-15.6	-13.7	-10.1	-8.0	-8.8	-9.1	-9.6	-10.3	-10.9	-11.5	-11.9	-11.8	-11.3	-12.6	-8.0	-21.0
24	-11.2	-11.6	-11.8	-11.7	-11.4	-12.1	-11.9	-10.5	-9.5	-8.5	-8.1	-7.8	-6.8	-6.6	-6.9	-5.7	-8.4	-10.5	-10.9	-11.2	-11.5	-14.0	-15.3	-15.1	-10.4	-5.7	-15.3
25	-15.1	-15.3	-14.2	-14.3	-14.8	-14.8	-14.8	-14.8	-14.8	-14.7	-13.9	-13.0	-12.0	-11.8	-12.7	-13.2	-14.4	-17.3	-18.9	-21.1	-21.3	-23.2	-23.7	-24.0	-16.2	-11.8	-24.0
26	-24.3	-24.2	-24.3	-23.5	-23.8	-24.7	-25.2	-25.8	-26.0	-24.9	-22.7	-18.3	-11.6	-10.3	-9.4	-9.3	-10.5	-14.2	-17.3	-18.9	-20.2	-21.8	-22.3	-23.3	-19.9	-9.3	-26.0
27	-21.7	-21.2	-20.6	-20.8	-18.8	-18.0	-18.1	-18.7	-18.4	-17.5	-16.1	-14.8	-13.2	-10.9	-8.7	-7.8	-7.8	-8.7	-10.6	-11.8	-13.1	-14.0	-15.3	-14.4	-15.0	-7.8	-21.7
28	-13.0	-12.1	-11.8	-11.2	-11.1	-12.3	-12.1	-13.4	-13.3	-12.5	-11.7	-9.1	-6.3	-6.4	-6.8	-6.6	-5.9	-5.5	-6.2	-6.8	-7.9	-8.2	-8.9	-9.4	-9.5	-5.5	-13.4
29	-9.8	-10.4	-10.9	-11.3	-11.5	-12.0	-12.4	-12.6	-12.8	-12.7	-12.4	-11.9	-11.4	-11.3	-11.1	-11.0	-11.1	-11.4	-11.7	-11.9	-12.2	-12.2	-12.4	-12.7	-11.7	-9.8	-12.8
30	-13.4	-14.3	-15.5	-17.0	-17.1	-16.9	-16.8	-16.7	-15.8	-16.0	-15.3	-12.0	-10.4	-9.9	-9.7	-9.7	-9.9	-10.0	-10.1	-10.3	-11.3	-12.1	-11.4	-11.1	-13.0	-9.7	-17.1
31	-11.0	-11.1	-11.0	-11.1	-10.8	-10.9	-11.0	-12.2	-12.9	-13.3	-12.2	-10.7	-9.6	-9.9	-9.2	-9.2	-9.0	-9.7	-11.2	-14.3	-15.1	-15.8	-18.2	-19.0	-12.0	-9.0	-19.0
Avg	-8.1	-8.3	-8.4	-8.4	-8.6	-8.9	-9.2	-9.5	-9.5	-8.8	-7.6	-5.9	-4.5	-3.6	-3.5	-3.8	-4.4	-5.4	-6.2	-7.1	-7.6	-8.0	-8.2	-8.1	-7.2	-2.6	-12.2
Max	7.2	7.3	7.7	7.5	7.5	7.9	7.9	8.0	7.7	8.1	8.6	7.9	7.0	6.1	6.6	7.1	7.3	7.4	7.7	7.5	7.6	7.7	7.7	7.6	5.4	8.6	2.6
Min	-24.3	-24.2	-24.3	-23.5	-23.8	-24.7	-25.2	-25.8	-26.0	-24.9	-22.7	-18.3	-13.7	-11.8	-12.7	-13.2	-14.4	-17.3	-18.9	-21.1	-21.3	-23.2	-23.7	-24.0	-19.9	-11.8	-26.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
October 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	5.5	6.5	6.0	4.1	4.1	4.9	6.1	7.3	8.9	12.4	14.8	14.3	14.6	13.4	13.4	13.9	14.1	12.3	10.7	10.1	9.7	9.3	8.5	7.5	9.7	14.8	4.1
2	7.5	7.6	8.1	6.6	6.6	6.0	5.1	4.4	6.6	9.0	12.5	13.4	13.4	13.6	13.3	13.6	13.1	12.2	11.0	10.1	9.2	8.3	7.7	8.0	9.5	13.6	4.4
3	8.8	9.3	8.8	8.7	6.6	4.3	2.6	1.7	1.3	1.5	1.8	2.4	1.9	1.8	1.7	1.2	0.7	0.2	-0.4	-0.7	-1.1	-1.2	-1.2	-1.8	2.5	9.3	-1.8
4	-1.7	-1.6	-1.6	-1.6	-1.9	-2.0	-1.8	-1.2	-0.3	0.8	2.1	3.9	5.3	5.8	6.6	6.7	7.2	5.6	2.7	1.9	0.3	-0.9	-2.1	-3.4	1.2	7.2	-3.4
5	-4.5	-5.8	-6.4	-7.0	-7.6	-7.5	-8.1	-6.1	-1.2	4.2	8.9	10.9	11.9	12.5	13.4	13.6	13.4	10.9	5.0	3.1	1.2	-1.0	-1.5	-2.7	2.1	13.6	-8.1
6	-3.5	-4.4	-4.5	-4.9	-5.1	-5.7	-5.9	-3.9	2.0	9.6	14.6	16.6	18.2	18.9	19.3	19.2	18.0	15.1	10.3	7.8	4.9	2.4	0.6	-0.6	5.8	19.3	-5.9
7	-0.8	-1.2	-0.8	0.1	0.7	1.5	2.6	5.1	9.8	14.9	16.0	15.8	14.9	14.1	12.6	12.3	11.1	8.9	8.2	7.8	7.3	7.1	7.0	6.6	7.6	16.0	-1.2
8	6.4	6.4	6.7	6.6	6.1	5.5	4.3	5.3	7.7	9.7	10.9	12.1	12.6	12.8	13.8	15.0	14.3	12.3	9.2	6.7	5.5	4.9	3.1	3.1	8.4	15.0	3.1
9	2.9	3.3	3.4	2.6	2.1	1.7	3.0	4.7	6.8	12.8	17.3	19.3	20.6	21.0	22.3	21.5	21.3	17.5	13.9	10.4	8.8	6.4	5.3	5.3	10.6	22.3	1.7
10	3.6	3.1	2.2	1.9	1.6	1.1	0.3	1.9	4.4	8.0	18.9	22.1	23.2	23.8	24.1	24.2	23.7	21.1	18.1	15.2	11.9	10.5	8.1	8.6	11.7	24.2	0.3
11	6.2	9.0	15.5	12.0	8.7	7.0	6.6	6.5	7.4	8.3	9.0	9.7	10.5	10.8	10.6	10.2	9.2	7.7	6.5	4.7	3.9	1.0	-2.4	-3.8	7.3	15.5	-3.8
12	-4.6	-3.4	-4.2	-3.6	-4.3	-4.3	-4.8	-3.4	3.2	11.1	14.0	15.5	16.7	16.3	16.6	17.7	16.8	15.2	10.6	8.9	9.8	12.8	12.8	13.0	7.4	17.7	-4.8
13	12.3	11.7	11.0	10.2	4.4	4.3	4.1	4.9	8.6	13.5	14.2	16.3	17.2	17.5	17.8	17.2	16.9	14.7	11.8	10.2	10.7	11.4	11.9	11.6	11.9	17.8	4.1
14	11.1	10.0	8.7	6.5	3.7	2.4	0.2	0.4	5.3	11.5	13.0	13.1	14.5	15.6	15.9	15.9	15.1	12.0	8.2	4.0	2.1	0.6	-0.8	-2.2	7.8	15.9	-2.2
15	-4.1	-5.2	-5.2	-5.9	-6.2	-7.0	-7.8	-6.8	0.0	6.8	9.1	9.9	10.5	11.0	11.1	10.7	9.3	7.1	5.6	4.9	4.6	3.8	2.3	0.2	2.4	11.1	-7.8
16	-2.4	-3.6	-4.9	-5.5	-6.5	-6.8	-7.3	-6.1	-1.1	5.9	12.0	15.1	17.1	18.1	18.1	17.3	15.7	12.2	10.1	6.7	3.5	1.9	0.0	-1.0	4.5	18.1	-7.3
17	-2.4	-3.1	-4.1	-4.6	-4.7	-5.7	-6.3	-4.7	1.2	7.9	15.4	18.7	20.0	21.1	21.1	21.2	20.1	14.4	7.7	4.6	2.9	1.6	1.8	0.1	6.0	21.2	-6.3
18	-0.4	-1.0	-0.2	0.6	1.1	2.6	2.3	3.7	7.4	11.0	15.0	16.6	16.2	15.9	15.1	14.8	15.2	13.5	8.2	5.9	4.9	1.7	1.1	0.4	7.1	16.6	-1.0
19	-0.7	-0.7	0.0	-0.9	-1.5	-1.4	-1.1	-0.4	2.3	6.4	11.0	12.7	13.2	13.9	14.8	14.8	13.6	11.5	9.6	8.5	8.1	8.9	8.4	8.0	6.6	14.8	-1.5
20	8.1	8.2	7.7	7.5	7.4	6.8	6.4	6.6	6.3	6.2	5.9	5.3	5.8	5.9	7.8	6.9	5.3	3.7	1.6	-0.2	-1.4	-3.8	-4.5	-5.8	4.3	8.2	-5.8
21	-6.5	-7.0	-7.1	-7.6	-7.9	-8.5	-8.7	-8.3	-3.8	2.4	7.6	10.1	11.8	12.7	13.2	13.2	11.7	6.5	3.1	0.7	-1.6	-1.2	-3.5	-4.8	0.7	13.2	-8.7
22	-4.6	-5.0	-5.6	-6.5	-6.7	-6.7	-6.8	-6.8	-2.6	3.8	9.5	11.0	11.8	12.8	13.4	13.3	11.1	7.1	3.9	3.0	1.6	-0.8	-0.3	-0.7	2.1	13.4	-6.8
23	-3.0	-4.6	-6.0	-7.6	-8.8	-8.8	-9.7	-9.0	-5.6	1.3	6.0	7.2	8.0	8.6	9.1	9.1	8.0	5.6	3.5	1.2	-0.9	-3.7	-4.8	-5.9	-0.4	9.1	-9.7
24	-7.3	-8.3	-9.0	-10.0	-10.3	-10.1	-10.6	-9.9	-4.8	1.3	6.7	9.3	10.4	10.5	10.8	10.7	9.4	7.9	8.9	8.6	7.4	6.2	4.9	4.8	1.6	10.8	-10.6
25	5.6	4.6	3.5	1.6	0.0	-1.1	-2.0	-4.4	-0.8	2.6	6.5	9.5	9.9	9.5	8.4	8.1	7.8	6.8	6.0	5.3	4.7	4.3	4.1	4.3	4.4	9.9	-4.4
26	4.2	4.4	4.0	3.3	0.9	2.4	2.5	2.5	4.4	7.1	8.9	8.7	9.0	10.0	10.7	10.9	9.0	6.8	4.9	3.6	2.2	3.2	4.6	4.0	5.5	10.9	0.9
27	3.4	2.4	2.5	1.9	1.4	1.2	1.6	1.2	1.5	1.2	0.6	1.3	1.6	1.9	2.7	2.4	1.9	1.0	-0.5	-1.4	-1.5	-1.7	-3.5	-6.0	0.7	3.4	-6.0
28	-7.2	-8.2	-9.5	-10.2	-10.6	-11.3	-11.5	-11.4	-7.1	-1.5	3.6	6.3	7.4	8.5	8.7	8.4	6.2	1.5	-1.7	-3.0	-5.6	-6.0	-7.7	-8.5	-2.9	8.7	-11.5
29	-8.6	-8.9	-9.2	-9.6	-9.1	-9.5	-8.5	-7.5	-4.8	-2.0	3.0	4.5	4.5	4.4	4.3	3.8	3.1	3.0	2.7	2.0	1.5	2.3	2.3	1.8	-1.4	4.5	-9.6
30	0.8	-0.3	-2.2	-3.0	-4.1	-4.3	-3.1	-2.2	1.1	5.1	5.9	6.1	5.3	6.1	6.6	6.4	6.7	7.1	7.7	7.9	7.4	7.2	6.8	5.6	3.4	7.9	-4.3
31	5.1	4.8	4.6	4.7	5.0	5.0	4.9	4.6	4.8	5.5	5.4	6.1	7.8	8.7	8.9	8.1	7.6	7.7	8.2	9.5	10.4	10.7	10.7	9.3	7.0	10.7	4.6
Avg	0.9	0.6	0.4	-0.3	-1.1	-1.4	-1.7	-1.0	2.2	6.4	9.7	11.1	11.8	12.2	12.5	12.3	11.5	9.3	6.9	5.4	4.3	3.4	2.6	1.8	5.0	13.4	-3.5
Max	12.3	11.7	15.5	12.0	8.7	7.0	6.6	7.3	9.8	14.9	18.9	22.1	23.2	23.8	24.1	24.2	23.7	21.1	18.1	15.2	11.9	12.8	12.8	13.0	11.9	24.2	4.6
Min	-8.6	-8.9	-9.5	-10.2	-10.6	-11.3	-11.5	-11.4	-7.1	-2.0	0.6	1.3	1.6	1.8	1.7	1.2	0.7	0.2	-1.7	-3.0	-5.6	-6.0	-7.7	-8.5	-2.9	3.4	-11.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
November 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	6.6	5.8	5.3	5.1	4.9	4.6	4.4	4.7	5.3	6.8	8.6	9.7	10.7	11.0	11.3	10.5	7.7	5.8	4.7	3.5	2.9	3.1	2.1	2.0	6.1	11.3	2.0
2	1.5	1.3	-0.3	-1.3	-2.5	-3.3	-4.6	-4.3	-3.3	-0.9	1.9	3.6	4.6	5.1	5.2	5.1	4.1	3.2	2.4	1.8	1.6	1.2	1.0	0.4	1.0	5.2	-4.6
3	0.0	-0.2	-0.3	-0.4	-0.4	-0.8	-0.8	-0.8	-0.3	0.0	0.0	-0.2	-0.1	-0.2	-0.2	-0.4	-0.7	-1.1	-1.4	-1.5	-1.5	-1.8	-1.8	-1.7	-0.7	0.0	-1.8
4	-1.9	-2.3	-2.6	-2.7	-2.8	-3.3	-3.2	-3.3	-3.1	-3.0	-2.5	-2.2	-2.1	-2.0	-1.5	-1.4	-1.4	-1.4	-1.5	-1.5	-1.7	-1.9	-2.2	-2.5	-2.3	-1.4	-3.3
5	-2.4	-2.6	-4.0	-5.4	-6.2	-6.2	-4.9	-4.4	-3.8	-3.6	-3.2	-3.2	-2.9	-2.5	-2.2	-2.5	-3.0	-3.2	-3.8	-4.3	-4.8	-5.1	-8.0	-9.9	-4.3	-2.2	-9.9
6	-10.7	-10.7	-11.4	-12.6	-13.5	-12.7	-12.2	-10.6	-9.0	-7.2	-4.2	-3.9	-2.2	-1.6	-1.6	-1.9	-2.6	-3.5	-3.7	-5.9	-7.2	-7.6	-8.1	-9.0	-7.2	-1.6	-13.5
7	-10.3	-11.1	-11.2	-11.9	-12.4	-12.2	-12.1	-11.9	-10.2	-6.6	-1.0	2.3	3.6	4.1	4.9	4.9	3.2	1.5	-0.7	-1.0	-1.7	-1.6	-2.6	-3.1	-4.0	4.9	-12.4
8	-5.1	-7.0	-7.3	-7.8	-8.1	-8.2	-8.5	-8.5	-4.0	2.8	5.2	6.2	7.1	7.6	7.6	7.2	5.2	2.4	1.2	-1.7	0.3	-1.6	-2.6	-3.9	-0.9	7.6	-8.5
9	-5.5	-5.8	-5.3	-6.4	-5.4	-5.4	-3.8	-2.5	-1.5	0.3	2.9	5.6	6.6	6.1	5.9	3.3	0.0	-0.6	-1.2	-2.2	-2.2	-2.1	-2.8	-3.3	-1.1	6.6	-6.4
10	-3.3	-3.0	-3.2	-3.4	-4.3	-4.6	-4.7	-4.7	-4.8	-4.8	-4.3	-3.7	-2.8	-2.7	-2.8	-2.8	-2.9	-2.9	-2.9	-4.3	-5.8	-9.3	-10.8	-9.5	-4.5	-2.7	-10.8
11	-7.0	-4.7	-5.9	-6.5	-6.3	-9.4	-10.6	-10.4	-7.8	-3.8	-1.8	-1.8	-1.5	-1.5	-0.9	-1.2	-1.8	-2.3	-2.9	-3.0	-3.1	-3.6	-4.2	-6.5	-4.5	-0.9	-10.6
12	-7.6	-8.7	-9.1	-10.2	-10.2	-11.3	-12.0	-13.5	-12.5	-7.2	-2.2	-1.9	-1.8	-1.7	-0.8	-1.4	-2.5	-4.1	-6.7	-8.9	-8.5	-9.7	-11.0	-10.1	-7.2	-0.8	-13.5
13	-8.4	-7.9	-7.3	-6.0	-3.5	-3.4	-1.5	0.3	2.3	3.6	4.7	5.1	4.9	5.6	6.3	6.1	6.0	5.2	4.9	5.2	5.4	5.3	5.1	4.9	1.8	6.3	-8.4
14	3.7	3.3	3.1	2.5	0.1	-0.6	-1.5	-2.8	-0.1	3.1	8.0	9.3	9.6	9.6	9.5	8.2	7.3	4.5	2.9	4.1	6.3	5.2	2.4	2.6	4.2	9.6	-2.8
15	-0.3	-1.4	-3.2	-4.8	-5.5	-6.1	-5.9	-5.5	-2.5	-0.9	0.9	7.2	8.5	8.9	8.4	6.1	3.8	1.3	0.7	-2.3	-3.7	-3.2	-3.2	-4.1	-0.3	8.9	-6.1
16	-5.7	-6.5	-5.9	-6.6	-6.0	-3.6	-0.9	-1.9	-2.4	-3.1	-3.3	-3.2	-2.4	-2.3	-2.5	-2.8	-3.2	-5.0	-6.1	-8.2	-12.3	-15.3	-16.1	-17.3	-5.9	-0.9	-17.3
17	-16.7	-16.5	-16.7	-15.1	-12.4	-9.9	-7.8	-7.7	-6.5	-4.7	-2.9	0.2	2.4	2.4	2.2	2.7	2.5	3.3	3.2	3.3	3.1	3.7	3.5	3.2	-3.4	3.7	-16.7
18	3.3	3.2	1.3	-0.3	-1.1	-2.7	-4.8	-5.6	-6.1	-6.6	-6.5	-6.6	-6.0	-4.8	-4.6	-4.5	-6.0	-6.3	-7.2	-10.1	-12.3	-12.8	-10.9	-9.9	-5.3	3.3	-12.8
19	-6.3	-5.9	-5.8	-5.4	-5.6	-5.4	-5.2	-5.1	-4.9	-4.5	-3.9	-3.5	-2.8	-2.3	-2.2	-3.2	-4.2	-5.7	-6.7	-7.2	-7.2	-7.3	-8.7	-9.1	-5.3	-2.2	-9.1
20	-9.2	-9.3	-8.6	-8.5	-8.7	-9.6	-9.7	-9.6	-9.3	-9.3	-9.1	-8.5	-8.0	-8.2	-8.3	-8.8	-10.1	-13.5	-16.2	-17.1	-17.9	-19.5	-20.9	-21.5	-11.6	-8.0	-21.5
21	-21.7	-21.2	-21.3	-21.4	-21.4	-20.9	-19.2	-15.9	-10.7	-6.4	-4.9	-3.5	-2.5	-1.6	-1.4	-1.8	-2.4	-2.4	-3.7	-4.5	-7.8	-9.2	-10.3	-11.5	-10.3	-1.4	-21.7
22	-12.1	-12.2	-12.6	-13.5	-13.0	-12.2	-12.1	-10.3	-8.5	-6.0	-0.6	3.8	4.9	5.5	5.3	3.8	2.1	-0.5	-2.4	-5.1	-7.0	-8.2	-9.9	-11.0	-5.5	5.5	-13.5
23	-11.4	-11.6	-11.3	-11.3	-11.3	-11.1	-10.8	-12.0	-10.4	-7.7	-4.2	2.7	5.4	5.7	6.7	5.5	3.3	1.6	-0.3	-1.5	-4.4	-5.6	-7.0	-7.7	-4.5	6.7	-12.0
24	-7.9	-7.8	-7.0	-7.1	-7.0	-7.2	-7.4	-6.1	-5.1	-2.7	-3.4	-3.6	-2.9	-4.7	-5.5	-6.9	-7.7	-8.3	-8.6	-9.2	-9.5	-9.9	-10.5	-11.2	-7.0	-2.7	-11.2
25	-11.6	-11.9	-12.3	-12.6	-12.4	-13.6	-13.4	-13.5	-13.6	-12.9	-11.5	-10.2	-10.3	-11.3	-12.2	-12.9	-15.0	-19.0	-21.1	-22.7	-22.9	-23.6	-24.6	-25.6	-15.4	-10.2	-25.6
26	-26.5	-26.9	-27.6	-28.0	-27.8	-27.5	-27.7	-27.5	-26.7	-22.7	-17.6	-11.9	-9.2	-8.8	-9.0	-9.0	-11.6	-15.5	-19.4	-21.3	-22.9	-23.0	-24.4	-24.6	-20.7	-8.8	-28.0
27	-25.0	-25.7	-26.2	-26.2	-26.7	-26.7	-27.2	-27.4	-26.4	-22.8	-17.9	-12.7	-8.4	-5.8	-5.1	-6.5	-9.1	-13.3	-16.3	-17.5	-19.2	-19.8	-20.1	-20.4	-18.9	-5.1	-27.4
28	-20.7	-21.1	-20.6	-19.6	-20.1	-20.1	-20.2	-20.8	-19.8	-16.8	-12.0	-6.5	-2.7	-1.9	-2.4	-3.9	-6.0	-10.5	-14.0	-16.3	-17.3	-18.7	-18.9	-20.3	-14.6	-1.9	-21.1
29	-20.5	-20.9	-20.9	-21.7	-21.1	-21.7	-22.1	-22.4	-21.5	-17.0	-13.0	-8.2	-3.0	-2.4	-1.7	-2.3	-4.2	-8.6	-12.3	-14.0	-15.7	-16.9	-17.9	-18.5	-14.5	-1.7	-22.4
30	-17.8	-18.5	-19.1	-20.3	-20.8	-20.4	-20.8	-20.7	-20.2	-16.5	-14.1	-11.5	-7.8	-3.8	-3.7	-4.8	-7.3	-12.2	-14.0	-15.1	-16.8	-17.4	-17.7	-18.7	-15.0	-3.7	-20.8
Avg	-8.7	-8.9	-9.2	-9.6	-9.7	-9.8	-9.7	-9.5	-8.2	-6.0	-3.7	-1.7	-0.4	0.1	0.2	-0.5	-1.9	-3.7	-5.1	-6.3	-7.1	-7.9	-8.7	-9.3	-6.1	0.8	-13.1
Max	6.6	5.8	5.3	5.1	4.9	4.6	4.4	4.7	5.3	6.8	8.6	9.7	10.7	11.0	11.3	10.5	7.7	5.8	4.9	5.2	6.3	5.3	5.1	4.9	6.1	11.3	2.0
Min	-26.5	-26.9	-27.6	-28.0	-27.8	-27.5	-27.7	-27.5	-26.7	-22.8	-17.9	-12.7	-10.3	-11.3	-12.2	-12.9	-15.0	-19.0	-21.1	-22.7	-22.9	-23.6	-24.6	-25.6	-20.7	-10.2	-28.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
December 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-17.8	-18.9	-18.2	-19.5	-18.5	-17.7	-19.0	-18.4	-18.4	-15.7	-10.3	-4.1	-2.7	-2.0	-1.9	-2.4	-3.1	-6.2	-7.8	-10.7	-11.8	-14.1	-14.7	-15.1	-12.0	-1.9	-19.5
2	-16.4	-17.3	-17.8	-18.4	-19.2	-19.9	-20.2	-20.3	-18.4	-13.0	-7.4	-5.0	-0.5	-1.1	-3.8	-4.0	-4.2	-4.5	-5.0	-8.7	-11.5	-12.5	-14.0	-15.2	-11.6	-0.5	-20.3
3	-15.9	-17.0	-17.6	-16.7	-14.8	-14.9	-14.8	-14.1	-13.7	-8.1	-2.5	0.8	2.8	3.8	3.7	2.1	2.2	-0.6	-0.7	-0.4	0.6	1.2	2.5	1.5	-5.4	3.8	-17.6
4	-1.0	-0.8	-1.6	2.4	0.9	3.1	1.4	0.6	3.3	3.5	Au	Au	Au	4.1	3.2	2.2	0.5	0.4	-0.3	-1.6	-3.0	-1.6	-1.3	-1.9	0.6	4.1	-3.0
5	-2.7	-2.4	-2.1	-3.4	-5.5	-6.2	-8.6	-8.3	-8.3	-6.2	-3.3	-0.4	0.6	1.4	1.3	0.5	-2.0	-4.5	-5.7	-4.4	-5.1	-4.4	-5.8	-0.7	-3.6	1.4	-8.6
6	-1.4	-0.3	0.3	0.5	-0.2	-0.1	0.4	0.9	-0.7	1.1	2.7	3.5	5.0	5.0	5.2	4.9	4.3	3.8	3.4	2.9	2.4	2.1	0.8	-0.3	1.9	5.2	-1.4
7	-0.9	-1.0	-0.5	-0.1	-0.9	0.7	-0.2	0.3	1.5	2.5	4.3	4.9	5.5	5.6	5.4	3.3	2.8	3.1	3.4	3.2	3.1	2.5	2.6	3.1	2.3	5.6	-1.0
8	3.6	3.4	3.7	3.5	3.4	2.4	2.8	3.3	3.5	3.7	3.9	3.7	4.4	5.7	6.2	6.6	6.7	6.8	7.1	7.0	7.2	7.5	7.2	7.1	5.0	7.5	2.4
9	6.6	6.8	7.1	7.0	6.9	7.5	7.4	7.5	7.1	7.6	8.2	7.6	6.8	3.5	2.2	2.3	2.2	1.6	1.2	0.7	0.4	0.0	0.0	-0.2	4.5	8.2	-0.2
10	-0.8	-1.0	-1.3	-1.8	-2.3	-4.2	-5.6	-4.8	-4.2	-2.3	-0.9	-1.8	-2.3	-2.5	-2.5	-2.2	-2.4	-2.5	-2.3	-2.1	-3.0	-2.3	-3.4	-4.1	-2.6	-0.8	-5.6
11	-4.8	-5.0	-4.3	-4.1	-5.4	-6.1	-6.6	-7.8	-9.2	-9.1	-7.9	-5.3	-2.3	-0.6	-1.0	-2.0	-4.7	-8.3	-10.9	-12.0	-10.1	-10.5	-10.1	-9.0	-6.5	-0.6	-12.0
12	-9.8	-11.0	-12.0	-11.3	-10.6	-10.3	-12.3	-14.5	-15.1	-12.9	-9.9	-5.1	-1.2	-0.8	-0.8	-1.4	-2.9	-5.4	-5.1	-5.5	-5.7	-4.3	-3.9	-3.1	-7.3	-0.8	-15.1
13	-2.8	-3.1	-2.9	-2.4	-2.4	-1.9	-1.8	-1.7	-1.4	-1.6	-0.8	-0.1	0.3	0.6	1.3	1.0	0.8	0.4	-0.7	-1.1	-1.8	-2.5	-2.2	-1.9	-1.2	1.3	-3.1
14	-1.6	-1.7	-1.7	-1.8	-2.0	-2.2	-3.2	-4.5	-5.2	-5.9	-6.5	-7.1	-7.2	-7.1	-7.2	-7.4	-7.2	-7.4	-7.5	-7.3	-7.2	-7.3	-7.6	-8.1	-5.5	-1.6	-8.1
15	-8.3	-9.1	-10.2	-12.4	-14.8	-17.0	-18.7	-20.1	-21.2	-20.2	-17.6	-15.3	-12.0	-7.2	-6.3	-6.3	-7.1	-9.0	-10.3	-11.8	-12.3	-13.5	-13.7	-13.8	-12.8	-6.3	-21.2
16	-12.4	-11.5	-11.1	-9.0	-8.1	-8.1	-8.3	-8.7	-10.2	-9.3	-8.4	-7.5	-7.3	-7.5	-8.1	-8.9	-9.6	-10.8	-12.7	-15.7	-15.8	-16.1	-17.0	-16.9	-10.8	-7.3	-17.0
17	-18.7	-19.0	-17.9	-20.8	-20.4	-18.7	-17.8	-18.9	-20.7	-20.9	-19.3	-13.1	-10.9	-10.2	-9.5	-11.3	-15.0	-18.2	-19.8	-20.4	-19.8	-18.6	-17.0	-16.1	-17.2	-9.5	-20.9
18	-14.9	-11.8	-11.2	-10.2	-9.5	-8.7	-8.0	-7.2	-6.5	-5.4	-3.8	-2.3	-1.0	-0.1	0.4	-0.3	-0.7	-0.5	-2.6	-3.9	-4.0	-2.3	-2.2	0.2	-4.9	0.4	-14.9
19	0.9	0.9	0.5	0.5	0.8	0.5	-0.8	-1.2	-1.6	-1.8	-1.9	-1.8	-1.9	-1.9	-2.0	-2.1	-2.4	-2.7	-2.9	-3.5	-3.5	-4.8	-5.4	-5.4	-1.8	0.9	-5.4
20	-7.1	-9.1	-12.3	-14.3	-16.4	-17.7	-15.5	-14.7	-15.8	-14.0	-12.4	-9.3	-8.0	-8.2	-6.6	-7.3	-10.5	-12.6	-12.3	-15.0	-15.9	-15.5	-12.7	-10.7	-12.2	-6.6	-17.7
21	-8.2	-8.6	-9.5	-9.4	-9.6	-12.6	-12.9	-13.3	-14.7	-10.0	-7.7	-6.5	-4.1	-3.6	-3.9	-4.3	-4.7	-4.7	-4.8	-5.4	-5.8	-5.9	-6.5	-5.5	-7.6	-3.6	-14.7
22	-7.0	-8.5	-7.8	-7.1	-6.7	-5.2	-4.1	-4.5	-4.6	-4.8	-4.8	-4.7	-4.6	-4.3	-4.2	-4.3	-4.7	-5.1	-5.7	-6.9	-7.8	-7.6	-8.5	-9.1	-5.9	-4.1	-9.1
23	-8.8	-9.3	-9.8	-12.5	-14.3	-17.0	-19.6	-20.9	-22.6	-22.2	-18.2	-15.8	-14.2	-11.3	-8.5	-9.0	-9.1	-10.1	-10.7	-11.6	-12.1	-12.5	-12.3	-12.0	-13.5	-8.5	-22.6
24	-11.9	-12.4	-12.4	-12.2	-12.0	-12.8	-12.7	-11.1	-9.7	-8.5	-8.1	-7.7	-6.8	-7.0	-7.2	-6.5	-9.9	-12.1	-11.1	-11.6	-12.1	-15.5	-16.7	-16.4	-11.0	-6.5	-16.7
25	-16.5	-15.8	-14.5	-14.4	-14.8	-14.7	-14.7	-14.7	-14.7	-14.5	-13.8	-12.5	-11.7	-11.9	-13.4	-14.3	-16.1	-19.2	-21.4	-22.5	-24.3	-25.2	-25.8	-25.9	-17.0	-11.7	-25.9
26	-25.9	-26.5	-26.1	-25.3	-26.5	-26.8	-27.3	-27.8	-28.5	-26.9	-24.2	-20.9	-13.0	-10.6	-10.0	-9.7	-11.6	-15.8	-19.2	-20.7	-22.3	-24.0	-24.3	-25.2	-21.6	-9.7	-28.5
27	-24.9	-24.2	-23.0	-23.1	-20.6	-19.7	-20.0	-19.7	-19.5	-19.2	-16.9	-15.1	-13.6	-12.2	-11.1	-9.1	-9.1	-10.1	-12.0	-13.2	-15.1	-16.1	-16.7	-15.2	-16.6	-9.1	-24.9
28	-13.8	-13.0	-12.4	-12.1	-12.0	-13.0	-13.9	-15.1	-14.7	-13.0	-11.8	-9.2	-6.3	-6.2	-6.7	-6.5	-6.0	-5.6	-6.3	-6.8	-8.0	-8.3	-9.0	-9.4	-10.0	-5.6	-15.1
29	-9.8	-10.5	-11.0	-11.4	-11.7	-12.1	-12.4	-12.6	-12.8	-12.6	-12.2	-11.7	-11.3	-11.1	-11.0	-11.0	-11.1	-11.4	-11.8	-12.0	-12.3	-12.2	-12.6	-12.9	-11.7	-9.8	-12.9
30	-13.8	-15.1	-16.5	-17.9	-18.2	-18.1	-17.3	-16.9	-16.3	-16.5	-16.1	-12.5	-10.4	-9.9	-9.6	-9.7	-9.9	-10.0	-10.1	-10.8	-12.2	-12.7	-11.7	-11.4	-13.5	-9.6	-18.2
31	-11.1	-11.5	-11.1	-11.5	-10.9	-11.1	-11.5	-13.3	-13.7	-14.3	-12.4	-11.0	-9.6	-10.3	-9.5	-9.7	-9.6	-10.3	-12.0	-15.5	-16.5	-17.1	-19.4	-20.3	-12.6	-9.5	-20.3
Avg	-9.0	-9.2	-9.2	-9.3	-9.6	-9.8	-10.2	-10.4	-10.5	-9.4	-8.0	-6.2	-4.6	-3.8	-3.7	-4.1	-5.0	-6.2	-7.0	-8.0	-8.6	-8.8	-9.1	-8.8	-7.9	-2.7	-13.5
Max	6.6	6.8	7.1	7.0	6.9	7.5	7.4	7.5	7.1	7.6	8.2	7.6	6.8	5.7	6.2	6.6	6.7	6.8	7.1	7.0	7.2	7.5	7.2	7.1	5.0	8.2	2.4
Min	-25.9	-26.5	-26.1	-25.3	-26.5	-26.8	-27.3	-27.8	-28.5	-26.9	-24.2	-20.9	-14.2	-12.2	-13.4	-14.3	-16.1	-19.2	-21.4	-22.5	-24.3	-25.2	-25.8	-25.9	-21.6	-11.7	-28.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
October 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.23	1.74	1.73	1.67	2.81	2.12	1.59	0.45	-0.03	-0.19	-0.18	-0.16	-0.12	-0.13	-0.06	-0.12	-0.08	0.18	0.26	0.12	0.35	0.21	0.40	0.18	0.58	2.81	-0.19
2	0.01	0.02	0.19	0.34	0.27	0.40	0.50	0.19	-0.37	-0.27	-0.68	-0.71	-0.71	-0.57	-0.25	-0.26	-0.18	0.00	0.37	0.46	0.66	0.35	0.29	0.15	0.01	0.66	-0.71
3	0.19	0.01	0.03	0.00	0.00	-0.08	-0.11	-0.17	-0.34	-0.44	-0.45	-0.68	-0.52	-0.46	-0.59	-0.54	-0.32	-0.22	-0.18	-0.16	-0.17	-0.17	-0.16	-0.18	-0.24	0.19	-0.68
4	-0.16	-0.15	-0.15	-0.15	-0.07	-0.13	-0.18	-0.33	-0.57	-0.66	-0.67	-0.84	-0.89	-0.66	-0.73	-0.53	-0.32	-0.05	0.38	0.42	1.49	0.42	0.55	0.68	-0.14	1.49	-0.89
5	0.88	1.46	1.46	1.27	1.14	1.32	1.64	0.40	-0.27	-0.75	-0.88	-1.10	-1.06	-0.97	-0.94	-0.72	-0.47	0.41	0.96	0.55	0.75	1.07	1.02	1.11	0.34	1.64	-1.10
6	1.26	1.84	1.15	1.45	1.59	1.70	1.99	0.74	-0.27	-0.49	-0.67	-0.75	-0.90	-0.90	-0.75	-0.54	-0.13	1.16	1.03	0.57	1.14	1.31	1.34	1.28	0.59	1.99	-0.90
7	1.28	1.05	1.17	1.03	0.91	0.63	0.41	0.44	-0.08	-0.63	-0.82	-0.57	-0.30	-0.08	0.10	0.04	0.25	0.08	0.06	0.15	0.10	0.11	0.08	0.21	0.23	1.28	-0.82
8	0.08	0.00	-0.08	0.10	0.18	0.28	0.17	-0.12	-0.20	-0.17	-0.26	-0.50	-0.54	-0.50	-0.60	-0.67	-0.28	0.53	0.90	0.99	0.49	0.50	0.74	0.64	0.07	0.99	-0.67
9	0.46	0.31	0.55	0.78	1.18	1.27	0.52	0.17	-0.21	-0.50	-0.52	-0.78	-0.81	-0.73	-0.84	-0.41	-0.06	1.67	2.02	0.60	0.70	1.08	0.99	1.23	0.36	2.02	-0.84
10	1.42	1.48	1.40	1.18	1.10	1.74	1.69	0.64	0.12	-0.24	-0.34	-0.68	-0.92	-0.80	-0.65	-0.40	-0.01	0.91	1.99	1.95	1.91	1.65	2.21	1.30	0.78	2.21	-0.92
11	1.93	3.14	0.97	0.16	0.09	0.16	0.10	0.03	-0.22	-0.55	-0.68	-0.84	-0.93	-0.88	-0.76	-0.55	-0.21	0.25	0.48	0.73	0.78	1.41	0.69	0.54	0.24	3.14	-0.93
12	1.20	0.65	0.74	0.74	0.95	1.09	0.89	0.26	-0.49	-0.56	-0.81	-0.95	-1.10	-0.72	-0.56	-0.57	-0.10	0.69	1.71	1.47	1.46	0.70	0.57	0.38	0.32	1.71	-1.10
13	0.59	0.67	0.71	0.90	1.96	1.63	0.18	0.01	-0.25	-0.69	-0.63	-0.88	-1.04	-0.97	-0.77	-0.24	-0.27	0.32	1.18	1.87	1.11	0.77	0.39	0.28	0.28	1.96	-1.04
14	0.44	0.64	0.97	1.27	0.97	0.72	1.07	0.40	-0.39	-0.59	-0.95	-0.81	-1.06	-1.00	-0.88	-0.56	-0.12	1.54	1.69	0.87	0.83	0.68	1.08	1.77	0.36	1.77	-1.06
15	2.25	2.22	2.00	2.13	1.59	1.70	1.67	1.08	-0.32	-0.73	-1.10	-1.31	-1.28	-1.23	-1.07	-0.74	-0.26	0.30	0.52	0.59	0.64	0.60	1.38	1.26	0.50	2.25	-1.31
16	1.33	1.18	1.19	1.45	2.10	1.92	1.35	1.15	-0.38	-0.53	-0.47	-0.60	-0.78	-0.82	-0.60	-0.19	0.22	0.76	1.21	1.95	3.72	1.83	1.70	1.40	0.84	3.72	-0.82
17	1.93	1.05	2.29	1.44	1.88	2.16	2.17	0.97	-0.37	-0.45	-0.56	-0.74	-0.72	-0.80	-0.66	-0.48	0.06	1.56	1.97	2.38	1.48	1.84	1.45	1.81	0.90	2.38	-0.80
18	1.77	1.80	1.56	0.99	1.36	1.03	1.31	0.56	-0.12	-0.26	-0.35	-0.55	-0.43	-0.43	-0.29	-0.29	-0.15	0.55	1.87	1.14	1.12	1.82	1.21	1.23	0.69	1.87	-0.55
19	1.61	1.25	1.08	1.44	1.53	1.21	1.25	0.56	0.33	-0.28	-0.29	-0.35	-0.40	-0.47	-0.57	-0.29	0.02	0.22	0.16	0.29	0.39	0.14	0.10	0.04	0.37	1.61	-0.57
20	0.06	0.05	0.01	0.01	0.02	0.07	0.08	-0.01	-0.04	-0.27	-0.34	-0.39	-0.59	-0.54	-0.71	-0.30	0.43	0.56	0.65	0.23	0.40	1.06	1.05	1.66	0.13	1.66	-0.71
21	1.67	1.29	1.19	1.95	0.82	1.04	1.04	1.20	-0.18	-0.26	-0.15	-0.64	-0.65	-0.91	-0.76	-0.56	0.17	1.18	0.53	0.82	1.29	0.82	1.43	1.55	0.58	1.95	-0.91
22	1.74	1.26	1.33	1.25	2.00	1.48	1.52	1.31	-0.04	-0.34	-0.66	-0.94	-0.96	-0.98	-0.84	-0.54	0.46	1.66	0.81	0.57	0.57	1.54	2.76	2.53	0.73	2.76	-0.98
23	2.47	1.41	1.48	2.15	1.87	2.37	1.71	1.02	-0.22	-0.61	-0.73	-0.90	-0.93	-0.79	-0.77	-0.58	0.02	0.72	0.58	0.27	0.42	0.94	1.41	1.53	0.62	2.47	-0.93
24	1.93	1.42	1.88	1.99	1.57	1.52	1.40	1.09	-0.18	-0.45	-0.41	-0.87	-0.92	-0.64	-0.49	-0.35	0.26	0.79	0.38	0.17	0.32	0.30	0.59	0.53	0.49	1.99	-0.92
25	0.10	-0.07	0.03	0.15	0.16	0.16	0.45	1.36	-0.30	-0.28	-0.33	-0.69	-0.67	-0.54	-0.32	-0.15	0.00	0.26	0.44	0.34	0.33	0.34	0.37	0.26	0.06	1.36	-0.69
26	0.20	0.21	0.39	0.56	1.68	0.39	0.61	0.71	-0.14	-0.54	-0.57	-0.50	-0.56	-0.73	-0.74	-0.55	0.28	0.15	0.20	0.05	0.04	0.11	0.00	-0.05	0.05	1.68	-0.74
27	-0.05	0.00	0.02	0.21	0.24	0.23	0.15	0.00	-0.26	-0.39	-0.52	-0.54	-0.60	-0.57	-0.57	-0.39	-0.21	0.21	0.38	0.21	0.18	0.24	1.22	2.07	0.05	2.07	-0.60
28	1.71	1.48	1.56	1.24	1.62	1.84	1.40	1.63	-0.13	-0.25	-0.45	-0.87	-0.94	-0.86	-0.70	-0.48	0.43	1.58	0.95	0.65	1.71	1.69	2.45	1.81	0.79	2.45	-0.94
29	1.54	1.68	1.60	1.64	1.61	1.35	1.10	0.48	0.02	-0.26	-0.33	-0.57	-0.56	-0.38	-0.19	-0.16	-0.05	0.20	0.30	0.52	0.65	0.31	0.15	0.27	0.45	1.68	-0.57
30	0.53	0.68	2.51	1.06	1.24	0.96	0.63	0.54	0.25	-0.17	-0.25	-0.27	-0.03	-0.14	-0.14	0.00	0.01	0.05	0.06	0.05	0.00	-0.01	0.00	0.12	0.32	2.51	-0.27
31	0.08	0.06	0.17	0.22	0.20	0.21	0.25	0.28	-0.04	-0.09	-0.09	-0.05	-0.16	0.00	0.09	0.24	0.39	1.13	1.05	0.71	0.49	0.34	0.30	0.38	0.26	1.13	-0.16
Avg	1.02	0.96	1.00	0.99	1.12	1.05	0.92	0.55	-0.18	-0.42	-0.52	-0.68	-0.71	-0.65	-0.57	-0.38	-0.01	0.62	0.80	0.69	0.82	0.77	0.90	0.90	0.38	1.92	-0.78
Max	2.47	3.14	2.51	2.15	2.81	2.37	2.17	1.63	0.33	-0.09	-0.09	-0.05	-0.03	0.00	0.10	0.24	0.46	1.67	2.02	2.38	3.72	1.84	2.76	2.53	0.90	3.72	-0.16
Min	-0.16	-0.15	-0.15	-0.15	-0.07	-0.13	-0.18	-0.33	-0.57	-0.75	-1.10	-1.31	-1.28	-1.23	-1.07	-0.74	-0.47	-0.22	-0.18	-0.16	-0.17	-0.17	-0.16	-0.18	-0.24	0.19	-1.31

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
November 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.26	0.14	0.10	0.12	0.27	0.16	0.11	0.12	-0.01	-0.39	-0.57	-0.65	-0.80	-0.61	-0.44	-0.06	0.17	0.34	0.19	0.08	0.40	0.05	-0.01	0.06	-0.04	0.40	-0.80
2	0.29	0.40	0.99	0.83	0.74	0.49	0.46	0.47	0.12	-0.24	-0.29	-0.30	-0.48	-0.55	-0.33	-0.17	0.30	0.32	0.12	0.03	0.07	0.13	0.01	-0.03	0.14	0.99	-0.55
3	-0.01	-0.02	-0.04	0.06	-0.03	0.13	0.03	0.00	-0.15	-0.18	-0.17	-0.17	-0.20	-0.18	-0.20	-0.16	-0.06	-0.04	-0.07	-0.03	-0.11	0.03	0.00	-0.04	-0.07	0.13	-0.20
4	-0.02	0.03	0.10	0.04	0.00	0.02	-0.02	-0.03	-0.13	-0.22	-0.38	-0.40	-0.42	-0.44	-0.43	-0.19	-0.09	-0.04	-0.01	-0.02	-0.02	0.09	0.18	0.16	-0.09	0.18	-0.44
5	0.04	0.07	0.39	0.61	0.73	0.47	0.15	0.02	-0.03	-0.07	-0.13	-0.11	-0.13	-0.18	-0.11	-0.05	-0.04	-0.02	0.27	0.13	0.50	0.62	1.15	1.37	0.24	1.37	-0.18
6	0.78	0.72	0.61	0.42	0.62	0.23	0.53	-0.13	-0.18	-0.18	-0.27	-0.28	-0.30	-0.23	-0.13	-0.01	0.19	0.48	0.48	1.19	1.07	0.91	0.94	0.65	0.34	1.19	-0.30
7	1.10	1.12	1.06	1.12	0.91	1.11	1.08	1.07	0.27	0.23	0.08	-0.29	-0.31	-0.34	-0.27	-0.14	0.29	0.54	1.26	0.78	1.21	1.25	1.74	2.06	0.71	2.06	-0.34
8	1.03	1.47	1.76	2.08	1.62	1.66	1.63	3.32	1.49	-0.11	-0.28	-0.28	-0.27	-0.36	-0.31	-0.08	0.51	1.01	1.20	1.06	1.24	0.34	0.23	0.56	0.85	3.32	-0.36
9	1.27	1.35	0.77	1.06	0.82	0.78	0.27	0.20	0.08	-0.12	-0.21	-0.10	-0.03	-0.02	-0.07	-0.04	-0.07	0.26	-0.05	0.05	-0.13	-0.16	-0.17	-0.07	0.24	1.35	-0.21
10	-0.15	-0.11	-0.07	-0.08	-0.13	-0.10	-0.08	-0.11	-0.15	-0.16	-0.21	-0.30	-0.29	-0.32	-0.23	-0.12	-0.02	0.03	0.02	0.63	0.96	2.33	1.45	0.36	0.13	2.33	-0.32
11	0.80	0.34	0.67	0.67	0.58	1.77	1.48	1.08	0.44	0.09	-0.16	0.04	0.00	-0.08	0.03	0.08	0.07	0.30	0.41	0.37	0.37	0.51	0.55	1.61	0.50	1.77	-0.16
12	1.52	1.28	1.49	1.44	1.58	1.05	1.42	0.96	0.47	-0.21	-0.27	-0.25	-0.13	-0.09	-0.15	0.09	0.43	0.70	1.53	1.53	0.90	1.43	1.61	0.88	0.80	1.61	-0.27
13	0.89	0.77	1.22	0.68	0.46	0.51	0.43	0.69	0.22	0.18	0.04	0.09	0.07	0.07	0.13	0.23	0.37	0.52	0.54	0.39	0.36	0.41	0.38	0.55	0.43	1.22	0.04
14	0.97	1.37	0.73	0.61	1.03	1.13	0.95	1.24	0.31	-0.01	-0.23	-0.34	-0.30	-0.25	-0.06	0.53	0.72	1.65	1.38	1.96	0.35	0.62	1.97	1.39	0.74	1.97	-0.34
15	0.81	0.59	1.02	1.31	1.43	1.48	1.45	1.54	0.56	0.00	-0.24	-0.16	-0.12	-0.11	-0.02	0.67	0.89	1.11	0.91	1.44	1.39	0.78	0.98	1.02	0.78	1.54	-0.24
16	1.36	1.16	1.11	1.48	0.61	0.47	0.08	-0.04	-0.09	-0.12	-0.20	-0.24	-0.31	-0.13	-0.02	0.07	0.14	0.39	0.68	1.02	1.88	2.30	2.32	1.59	0.65	2.32	-0.31
17	1.45	1.22	0.99	0.75	0.06	0.36	0.03	0.04	-0.19	-0.18	-0.37	-0.45	-0.18	0.03	0.09	0.13	0.22	0.21	0.26	0.32	0.26	0.22	0.23	0.19	0.24	1.45	-0.45
18	0.22	0.12	0.05	0.24	0.32	0.16	-0.07	-0.04	-0.06	-0.15	-0.26	-0.29	-0.54	-0.51	-0.19	-0.07	0.29	0.24	0.56	0.92	1.28	0.90	1.04	0.46	0.19	1.28	-0.54
19	0.14	0.11	0.17	0.08	0.18	0.08	0.04	0.06	0.01	-0.08	-0.13	-0.16	-0.27	-0.31	-0.22	0.22	0.58	0.69	0.42	0.17	-0.05	0.12	0.59	0.50	0.12	0.69	-0.31
20	0.42	0.42	0.66	0.51	0.57	0.58	0.22	0.21	-0.04	-0.01	-0.10	-0.41	-0.59	-0.39	-0.22	0.09	0.76	1.71	1.58	0.82	0.99	1.19	1.46	1.57	0.50	1.71	-0.59
21	1.10	1.04	1.27	0.99	0.89	1.08	0.56	0.55	1.33	0.13	-0.07	-0.09	-0.14	-0.11	0.00	0.09	0.39	0.43	0.65	0.91	1.81	1.13	0.33	0.62	0.62	1.81	-0.14
22	0.69	0.68	0.81	0.87	0.91	0.71	1.33	1.14	0.32	-0.06	-0.05	-0.25	0.10	0.00	0.04	0.61	0.84	0.57	0.44	1.02	1.60	2.18	1.74	1.71	0.75	2.18	-0.25
23	1.77	1.61	1.60	1.77	1.61	2.33	1.73	1.91	1.13	0.58	0.12	0.25	-0.12	0.06	0.11	0.87	1.13	0.78	0.67	1.00	2.23	2.16	2.15	2.59	1.25	2.59	-0.12
24	2.48	2.08	2.02	1.64	1.55	1.18	1.30	0.54	0.51	0.03	-0.22	-0.24	-0.28	-0.19	-0.11	-0.09	-0.06	-0.07	-0.07	-0.07	-0.08	-0.07	-0.06	-0.06	0.49	2.48	-0.28
25	-0.07	-0.07	-0.05	-0.10	-0.09	-0.07	-0.08	-0.09	-0.19	-0.19	-0.29	-0.29	-0.36	-0.32	0.14	0.07	0.89	2.04	2.20	1.40	1.94	1.93	1.79	2.14	0.51	2.20	-0.36
26	1.85	2.25	1.70	1.95	1.69	1.89	1.68	1.63	1.32	0.48	-0.03	-0.04	-0.30	-0.28	-0.15	0.00	0.64	1.43	1.98	2.22	2.16	1.60	2.22	2.20	1.25	2.25	-0.30
27	2.47	1.78	2.41	2.43	2.08	2.67	2.63	2.39	1.92	0.45	-0.04	-0.25	-0.52	-0.37	-0.29	0.00	0.69	1.46	2.55	2.34	2.50	2.43	2.23	2.66	1.53	2.67	-0.52
28	2.36	2.55	2.20	2.26	2.03	1.96	2.24	2.45	1.51	0.74	0.77	-0.16	-0.25	-0.26	-0.12	0.27	0.72	1.89	2.59	3.08	2.16	2.50	2.10	2.56	1.59	3.08	-0.26
29	2.06	2.53	1.98	3.13	1.74	1.94	2.28	2.59	1.59	0.17	-0.07	-0.11	-0.33	-0.18	-0.07	0.15	0.85	2.49	2.36	2.06	2.45	2.08	2.31	2.08	1.50	3.13	-0.33
30	1.85	1.74	1.46	2.35	2.93	2.38	1.90	2.38	1.89	0.64	0.46	-0.06	0.44	-0.42	0.06	0.49	0.75	1.07	1.17	1.59	1.68	1.42	1.96	1.13	1.30	2.93	-0.42
Avg	0.99	0.96	0.97	1.04	0.92	0.95	0.86	0.87	0.48	0.03	-0.13	-0.21	-0.25	-0.24	-0.12	0.12	0.42	0.75	0.87	0.95	1.05	1.05	1.11	1.08	0.61	1.81	-0.33
Max	2.48	2.55	2.41	3.13	2.93	2.67	2.63	3.32	1.92	0.74	0.77	0.25	0.44	0.07	0.14	0.87	1.13	2.49	2.59	3.08	2.50	2.50	2.32	2.66	1.59	3.32	0.04
Min	-0.15	-0.11	-0.07	-0.10	-0.13	-0.10	-0.08	-0.13	-0.19	-0.39	-0.57	-0.65	-0.80	-0.61	-0.44	-0.19	-0.09	-0.07	-0.07	-0.07	-0.13	-0.16	-0.17	-0.07	-0.09	0.13	-0.80

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
December 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.49	2.03	1.55	1.71	1.33	1.46	1.59	1.27	1.33	0.61	0.06	-0.04	-0.23	-0.15	0.01	0.39	0.73	1.68	0.79	1.10	1.29	1.56	1.69	1.20	1.02	2.03	-0.23
2	1.57	2.24	2.13	2.09	2.26	1.81	2.51	2.30	2.54	0.68	0.09	-0.12	-0.06	0.01	-0.16	-0.08	0.10	0.25	0.56	1.33	1.56	1.69	2.04	1.88	1.22	2.54	-0.16
3	2.98	2.42	2.86	2.78	2.87	2.69	3.42	2.62	2.32	0.93	0.09	0.41	0.11	0.04	0.18	0.71	0.61	0.50	0.85	0.83	1.21	0.93	0.84	1.13	1.43	3.42	0.04
4	0.91	0.64	0.84	1.20	1.30	0.83	1.59	1.43	0.50	0.28	Au	Au	Au	0.14	0.11	0.29	0.71	0.48	0.56	0.92	0.86	0.75	0.24	0.34	0.71	1.59	0.11
5	0.41	0.66	0.75	1.15	1.61	2.05	1.22	0.47	0.44	0.07	0.42	-0.27	-0.20	-0.05	0.00	0.18	1.29	1.25	1.67	1.67	1.86	1.78	1.76	0.18	0.85	2.05	-0.27
6	0.80	0.44	0.17	0.28	0.62	0.73	0.41	0.46	0.59	0.35	0.17	0.30	0.33	0.29	0.19	0.30	0.39	0.28	0.31	0.33	0.35	0.35	0.86	1.51	0.45	1.51	0.17
7	1.14	1.00	0.67	0.71	0.87	0.45	1.03	0.64	0.52	0.34	0.16	0.09	0.08	0.13	0.29	0.17	0.16	0.19	0.25	0.21	0.23	0.22	0.34	0.32	0.43	1.14	0.08
8	0.31	0.36	0.34	0.34	0.27	0.18	0.24	0.19	0.23	0.21	0.24	0.27	0.25	0.42	0.42	0.51	0.60	0.58	0.52	0.52	0.44	0.26	0.45	0.51	0.36	0.60	0.18
9	0.65	0.50	0.59	0.52	0.56	0.36	0.51	0.56	0.65	0.49	0.36	0.36	0.21	0.15	0.10	0.22	0.23	0.21	0.20	0.23	0.17	0.11	0.09	0.06	0.34	0.65	0.06
10	0.16	0.29	0.30	0.40	0.55	0.96	0.94	0.32	0.28	0.06	0.05	-0.11	-0.12	-0.12	-0.09	-0.02	-0.03	-0.02	0.24	0.37	0.63	0.44	0.83	0.91	0.30	0.96	-0.12
11	1.05	1.47	0.81	0.90	1.58	0.78	0.74	0.99	1.04	0.78	0.82	0.21	0.05	0.03	0.30	0.84	1.82	1.62	1.64	1.42	0.80	0.94	0.47	0.52	0.90	1.82	0.03
12	0.96	1.15	1.30	0.89	0.67	0.54	1.57	2.28	2.44	0.49	0.51	0.44	-0.12	-0.06	0.20	0.36	0.77	1.44	1.04	1.29	0.65	0.46	0.33	0.25	0.83	2.44	-0.12
13	0.12	0.01	-0.08	-0.05	0.10	0.15	0.32	0.27	0.10	-0.09	-0.05	0.04	-0.02	0.08	-0.02	0.24	0.24	0.41	0.54	0.07	0.13	-0.02	0.06	0.00	0.11	0.54	-0.09
14	-0.03	-0.03	-0.01	-0.04	0.00	0.01	0.01	0.00	0.00	0.00	0.00	-0.02	-0.03	-0.03	-0.01	-0.02	-0.01	0.03	0.06	0.05	0.08	0.07	0.07	0.11	0.01	0.11	-0.04
15	0.06	0.23	0.37	0.61	1.49	1.53	1.86	1.79	2.31	1.48	0.91	0.64	0.55	0.11	-0.03	0.02	0.33	0.67	1.08	2.04	1.89	1.20	1.15	0.96	0.97	2.31	-0.03
16	0.44	0.07	0.09	0.37	0.02	0.05	0.10	0.49	1.16	0.54	0.14	-0.38	-0.24	-0.11	-0.06	-0.04	0.04	0.58	1.19	1.58	0.92	0.52	1.34	0.71	0.40	1.58	-0.38
17	0.50	0.26	0.39	1.96	1.18	0.21	0.24	1.30	2.56	1.78	1.72	0.77	-0.09	-0.01	-0.21	0.51	1.85	1.89	1.55	1.47	0.83	0.56	0.06	0.47	0.91	2.56	-0.21
18	0.57	0.13	0.07	0.05	-0.01	-0.03	-0.01	0.04	-0.02	0.03	0.04	0.00	-0.07	-0.02	0.07	0.51	0.36	0.42	1.36	1.55	1.72	0.84	0.54	0.23	0.35	1.72	-0.07
19	0.16	0.23	0.38	0.37	0.13	0.34	0.57	0.51	0.25	-0.02	0.06	-0.05	-0.15	-0.10	-0.10	-0.05	-0.04	-0.03	0.01	0.32	0.26	0.70	0.67	0.76	0.22	0.76	-0.15
20	1.22	1.25	2.17	1.91	2.22	2.05	0.93	1.18	1.39	0.76	2.03	1.39	0.86	1.05	1.16	1.36	1.75	2.32	2.67	2.00	2.16	2.13	1.85	2.12	1.66	2.67	0.76
21	1.06	0.94	0.90	0.96	2.07	2.38	1.16	1.66	2.10	0.79	0.23	0.33	0.12	0.18	0.22	0.05	-0.04	-0.02	-0.01	-0.03	0.04	0.16	0.78	0.78	0.70	2.38	-0.04
22	1.12	1.27	0.73	0.57	0.64	0.47	0.19	0.10	0.12	0.13	0.09	0.08	0.09	0.04	0.13	0.15	0.17	0.10	0.36	0.80	0.62	0.44	0.77	0.95	0.42	1.27	0.04
23	0.56	0.86	1.04	1.52	1.17	1.45	2.47	1.80	2.32	1.25	0.43	0.19	0.51	1.12	0.51	0.19	0.01	0.50	0.43	0.67	0.62	0.55	0.42	0.57	0.88	2.47	0.01
24	0.64	0.78	0.56	0.49	0.55	0.68	0.76	0.65	0.21	-0.03	-0.03	-0.07	0.01	0.37	0.29	0.81	1.45	1.66	0.13	0.41	0.62	1.57	1.36	1.26	0.63	1.66	-0.07
25	1.31	0.58	0.39	0.07	-0.06	-0.07	-0.07	-0.09	-0.11	-0.08	-0.16	-0.60	-0.27	0.09	0.76	1.06	1.68	1.85	2.52	1.47	3.03	1.88	2.11	1.89	0.80	3.03	-0.60
26	1.59	2.37	1.80	1.83	2.71	2.06	2.19	2.08	2.55	2.02	1.55	2.65	1.34	0.32	0.63	0.43	1.11	1.60	1.81	1.74	2.14	2.12	1.94	1.90	1.77	2.71	0.32
27	3.21	3.01	2.39	2.23	1.78	1.63	1.93	0.98	1.06	1.71	0.80	0.34	0.54	1.30	2.35	1.35	1.22	1.35	1.46	1.40	1.99	2.11	1.39	0.78	1.60	3.21	0.34
28	0.81	0.92	0.55	0.84	0.92	0.72	1.88	1.73	1.38	0.43	0.09	0.12	-0.03	-0.14	-0.10	-0.03	0.16	0.05	0.03	0.02	0.09	0.08	0.07	0.00	0.44	1.88	-0.14
29	0.02	0.01	0.10	0.16	0.15	0.06	0.01	-0.03	-0.02	-0.10	-0.20	-0.19	-0.13	-0.13	-0.10	-0.05	0.00	0.03	0.11	0.11	0.20	0.01	0.12	0.21	0.01	0.21	-0.20
30	0.35	0.76	0.99	0.97	1.16	1.10	0.53	0.20	0.46	0.51	0.81	0.47	-0.05	-0.07	-0.03	-0.01	0.00	0.01	0.05	0.55	0.85	0.65	0.29	0.27	0.45	1.16	-0.07
31	0.13	0.43	0.24	0.32	0.11	0.23	0.46	1.07	0.74	0.96	0.27	0.29	-0.05	0.37	0.32	0.58	0.52	0.55	0.89	1.26	1.48	1.23	1.25	1.32	0.62	1.48	-0.05
Avg	0.85	0.88	0.82	0.91	0.99	0.90	1.01	0.94	1.01	0.56	0.39	0.25	0.11	0.17	0.24	0.35	0.59	0.72	0.80	0.89	0.96	0.85	0.84	0.78	0.70	1.76	-0.03
Max	3.21	3.01	2.86	2.78	2.87	2.69	3.42	2.62	2.56	2.02	2.03	2.65	1.34	1.30	2.35	1.36	1.85	2.32	2.67	2.04	3.03	2.13	2.11	2.12	1.77	3.42	0.76
Min	-0.03	-0.03	-0.08	-0.05	-0.06	-0.07	-0.07	-0.09	-0.11	-0.10	-0.20	-0.60	-0.27	-0.15	-0.21	-0.08	-0.04	-0.03	-0.01	-0.03	0.04	-0.02	0.06	0.00	0.01	0.11	-0.60

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
October 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	4	32	85	164	155	124	111	95	61	125	124	25	0	0	0	0	0	0	46	164	0
2	0	0	0	0	0	0	8	45	274	205	606	325	282	236	80	107	92	34	0	0	0	0	0	0	96	606	0
3	0	0	0	0	0	0	4	27	100	193	190	347	226	141	164	145	54	11	0	0	0	0	0	0	67	347	0
4	0	0	0	0	0	0	5	57	155	274	475	508	494	440	391	271	102	26	0	0	0	0	0	0	133	508	0
5	0	0	0	0	0	0	7	110	316	474	585	650	660	615	517	379	218	53	0	0	0	0	0	0	191	660	0
6	0	0	0	0	0	0	5	138	317	466	580	650	669	623	511	321	179	44	0	0	0	0	0	0	188	669	0
7	0	0	0	0	0	0	3	95	232	483	511	326	173	89	92	57	32	9	0	0	0	0	0	0	88	511	0
8	0	0	0	0	0	0	5	54	170	180	167	274	262	203	279	326	154	28	0	0	0	0	0	0	88	326	0
9	0	0	0	0	0	0	3	43	220	454	481	606	614	525	551	290	177	19	0	0	0	0	0	0	166	614	0
10	0	0	0	0	0	0	6	98	98	256	537	559	632	572	475	323	180	30	0	0	0	0	0	0	157	632	0
11	0	0	0	0	0	0	1	39	189	434	494	604	631	581	483	347	186	30	0	0	0	0	0	0	167	631	0
12	0	0	0	0	0	0	4	101	283	431	539	601	661	366	341	323	162	27	0	0	0	0	0	0	160	661	0
13	0	0	0	0	0	0	4	81	182	409	308	577	659	593	450	187	192	25	0	0	0	0	0	0	153	659	0
14	0	0	0	0	0	0	3	89	273	412	540	422	606	552	454	324	165	24	0	0	0	0	0	0	161	606	0
15	0	0	0	0	0	0	3	96	274	419	525	587	594	547	450	314	155	13	0	0	0	0	0	0	166	594	0
16	0	0	0	0	0	0	5	93	263	417	527	595	569	508	315	188	115	22	0	0	0	0	0	0	151	595	0
17	0	0	0	0	0	0	2	80	259	394	525	585	597	543	401	300	151	13	0	0	0	0	0	0	160	597	0
18	0	0	0	0	0	0	1	43	112	159	274	296	156	179	95	117	113	13	0	0	0	0	0	0	65	296	0
19	0	0	0	0	0	0	3	17	59	197	204	156	182	212	311	114	30	1	0	0	0	0	0	0	62	311	0
20	0	0	0	0	0	0	0	17	18	105	105	105	199	206	338	121	32	5	0	0	0	0	0	0	52	338	0
21	0	0	0	0	0	0	2	40	233	396	500	559	566	518	423	290	131	6	0	0	0	0	0	0	153	566	0
22	0	0	0	0	0	0	1	38	221	390	496	555	562	514	405	280	85	2	0	0	0	0	0	0	148	562	0
23	0	0	0	0	0	0	1	66	249	379	489	568	546	439	371	271	76	3	0	0	0	0	0	0	144	568	0
24	0	0	0	0	0	0	2	60	247	373	375	551	500	323	280	167	48	1	0	0	0	0	0	0	122	551	0
25	0	0	0	0	0	0	1	56	158	214	274	304	256	187	102	58	32	2	0	0	0	0	0	0	69	304	0
26	0	0	0	0	0	0	0	34	139	389	428	198	313	353	325	263	52	3	0	0	0	0	0	0	104	428	0
27	0	0	0	0	0	0	0	12	96	124	135	172	179	168	150	71	32	2	0	0	0	0	0	0	48	179	0
28	0	0	0	0	0	0	0	41	212	351	460	519	529	477	344	251	40	1	0	0	0	0	0	0	134	529	0
29	0	0	0	0	0	0	1	21	64	120	165	219	183	109	43	36	38	4	0	0	0	0	0	0	42	219	0
30	0	0	0	0	0	0	0	15	55	104	113	123	43	72	58	13	5	1	0	0	0	0	0	0	25	123	0
31	0	0	0	0	0	0	0	11	61	50	38	66	122	60	51	28	13	0	0	0	0	0	0	0	21	122	0
Avg	0	0	0	0	0	0	3	56	181	304	381	411	412	356	300	207	102	15	0	0	0	0	0	0	114	467	0
Max	0	0	0	0	0	0	8	138	317	483	606	650	669	623	551	379	218	53	0	0	0	0	0	0	191	669	0
Min	0	0	0	0	0	0	0	11	18	50	38	66	43	60	43	13	5	0	0	0	0	0	0	0	21	122	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
November 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	0	1	147	359	441	485	543	389	325	85	16	0	0	0	0	0	0	0	116	543	0
2	0	0	0	0	0	0	0	22	105	188	226	221	332	266	188	85	17	0	0	0	0	0	0	0	69	332	0
3	0	0	0	0	0	0	0	5	23	48	41	92	127	101	94	41	20	0	0	0	0	0	0	0	25	127	0
4	0	0	0	0	0	0	0	9	57	68	146	174	212	277	290	78	16	0	0	0	0	0	0	0	55	290	0
5	0	0	0	0	0	0	0	6	33	69	130	136	143	192	168	54	22	0	0	0	0	0	0	0	40	192	0
6	0	0	0	0	0	0	0	7	57	100	261	387	480	508	383	205	45	1	0	0	0	0	0	0	101	508	0
7	0	0	0	0	0	0	0	30	157	295	403	454	457	410	315	206	54	1	0	0	0	0	0	0	116	457	0
8	0	0	0	0	0	0	0	15	145	312	409	456	472	425	326	181	28	0	0	0	0	0	0	0	115	472	0
9	0	0	0	0	0	0	0	4	26	127	214	185	132	122	108	53	14	0	0	0	0	0	0	0	41	214	0
10	0	0	0	0	0	0	0	5	17	31	59	189	253	168	96	58	11	0	0	0	0	0	0	0	37	253	0
11	0	0	0	0	0	0	0	19	77	172	402	208	142	108	84	31	15	0	0	0	0	0	0	0	52	402	0
12	0	0	0	0	0	0	0	15	140	309	431	436	349	219	336	153	22	0	0	0	0	0	0	0	100	436	0
13	0	0	0	0	0	0	0	6	54	124	240	184	185	193	128	64	15	0	0	0	0	0	0	0	50	240	0
14	0	0	0	0	0	0	0	10	73	210	385	411	368	286	182	84	42	0	0	0	0	0	0	0	85	411	0
15	0	0	0	0	0	0	0	9	66	101	179	326	234	199	162	52	8	0	0	0	0	0	0	0	56	326	0
16	0	0	0	0	0	0	0	3	46	95	210	297	380	213	127	88	35	0	0	0	0	0	0	0	62	380	0
17	0	0	0	0	0	0	0	4	104	88	234	387	238	112	54	33	15	0	0	0	0	0	0	0	53	387	0
18	0	0	0	0	0	0	0	8	56	135	222	232	497	546	295	153	17	0	0	0	0	0	0	0	90	546	0
19	0	0	0	0	0	0	0	2	32	75	129	196	293	290	262	81	12	0	0	0	0	0	0	0	57	293	0
20	0	0	0	0	0	0	0	3	18	136	130	381	535	415	313	158	18	0	0	0	0	0	0	0	88	535	0
21	0	0	0	0	0	0	0	5	83	227	312	397	388	357	278	157	33	0	0	0	0	0	0	0	93	397	0
22	0	0	0	0	0	0	0	4	103	238	344	406	404	351	270	64	7	0	0	0	0	0	0	0	91	406	0
23	0	0	0	0	0	0	0	4	39	139	314	419	378	256	218	81	12	0	0	0	0	0	0	0	78	419	0
24	0	0	0	0	0	0	0	4	34	119	108	72	140	120	53	39	7	0	0	0	0	0	0	0	29	140	0
25	0	0	0	0	0	0	0	5	49	104	153	223	290	257	101	109	20	0	0	0	0	0	0	0	55	290	0
26	0	0	0	0	0	0	0	3	86	229	334	397	409	364	272	148	19	0	0	0	0	0	0	0	94	409	0
27	0	0	0	0	0	0	0	3	84	239	334	396	406	361	270	145	17	0	0	0	0	0	0	0	94	406	0
28	0	0	0	0	0	0	0	3	75	232	329	390	400	357	266	143	16	0	0	0	0	0	0	0	92	400	0
29	0	0	0	0	0	0	0	2	76	218	323	385	395	351	263	139	15	0	0	0	0	0	0	0	90	395	0
30	0	0	0	0	0	0	0	2	60	158	136	300	230	288	186	116	14	0	0	0	0	0	0	0	62	300	0
Avg	0	0	0	0	0	0	0	7	71	165	253	307	327	283	214	103	20	0	0	0	0	0	0	0	73	364	0
Max	0	0	0	0	0	0	0	30	157	359	441	485	543	546	383	206	54	1	0	0	0	0	0	0	116	546	0
Min	0	0	0	0	0	0	0	1	17	31	41	72	127	101	53	31	7	0	0	0	0	0	0	0	25	127	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
December 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	0	2	74	218	311	375	386	343	255	132	14	0	0	0	0	0	0	0	88	386	0
2	0	0	0	0	0	0	0	3	40	169	244	268	163	62	42	23	9	0	0	0	0	0	0	0	43	268	0
3	0	0	0	0	0	0	0	1	65	145	267	310	363	374	229	50	7	0	0	0	0	0	0	0	75	374	0
4	0	0	0	0	0	0	0	1	47	125	Au	Au	Au	144	153	103	6	0	0	0	0	0	0	0	28	153	0
5	0	0	0	0	0	0	0	1	60	214	295	386	376	338	251	140	13	0	0	0	0	0	0	0	86	386	0
6	0	0	0	0	0	0	0	0	40	129	132	100	192	150	123	37	4	0	0	0	0	0	0	0	38	192	0
7	0	0	0	0	0	0	0	0	15	72	161	248	230	93	37	18	2	0	0	0	0	0	0	0	37	248	0
8	0	0	0	0	0	0	0	0	32	77	83	55	106	67	45	22	3	0	0	0	0	0	0	0	20	106	0
9	0	0	0	0	0	0	0	0	11	70	72	70	101	60	78	28	7	0	0	0	0	0	0	0	21	101	0
10	0	0	0	0	0	0	0	0	13	35	39	39	37	34	47	31	2	0	0	0	0	0	0	0	12	47	0
11	0	0	0	0	0	0	0	0	24	123	249	397	407	322	220	101	6	0	0	0	0	0	0	0	77	407	0
12	0	0	0	0	0	0	0	0	41	153	251	347	371	328	214	77	7	0	0	0	0	0	0	0	75	371	0
13	0	0	0	0	0	0	0	0	14	107	164	142	147	150	154	41	12	0	0	0	0	0	0	0	39	164	0
14	0	0	0	0	0	0	0	0	8	41	84	127	135	125	69	33	5	0	0	0	0	0	0	0	26	135	0
15	0	0	0	0	0	0	0	0	29	181	208	240	287	289	164	76	8	0	0	0	0	0	0	0	62	289	0
16	0	0	0	0	0	0	0	0	16	39	52	64	63	69	110	41	5	0	0	0	0	0	0	0	19	110	0
17	0	0	0	0	0	0	0	0	19	114	203	285	345	338	239	80	6	0	0	0	0	0	0	0	68	345	0
18	0	0	0	0	0	0	0	0	11	47	101	127	174	126	87	51	9	0	0	0	0	0	0	0	31	174	0
19	0	0	0	0	0	0	0	0	6	32	83	92	97	65	54	24	3	0	0	0	0	0	0	0	19	97	0
20	0	0	0	0	0	0	0	0	12	69	108	143	182	157	129	67	9	0	0	0	0	0	0	0	37	182	0
21	0	0	0	0	0	0	0	1	16	34	64	84	193	165	127	48	7	0	0	0	0	0	0	0	31	193	0
22	0	0	0	0	0	0	0	0	15	57	95	134	127	153	96	32	8	0	0	0	0	0	0	0	30	153	0
23	0	0	0	0	0	0	0	1	32	78	115	214	300	306	178	49	11	0	0	0	0	0	0	0	54	306	0
24	0	0	0	0	0	0	0	0	7	32	59	75	171	126	211	130	11	0	0	0	0	0	0	0	34	211	0
25	0	0	0	0	0	0	0	0	20	130	261	289	153	122	227	153	25	0	0	0	0	0	0	0	58	289	0
26	0	0	0	0	0	0	0	0	38	144	218	280	324	324	278	144	16	0	0	0	0	0	0	0	74	324	0
27	0	0	0	0	0	0	0	1	24	92	159	134	171	187	120	70	10	0	0	0	0	0	0	0	40	187	0
28	0	0	0	0	0	0	0	1	23	91	138	159	197	154	94	53	8	0	0	0	0	0	0	0	38	197	0
29	0	0	0	0	0	0	0	0	14	64	105	144	172	165	102	53	9	0	0	0	0	0	0	0	35	172	0
30	0	0	0	0	0	0	0	0	10	66	131	140	193	129	101	48	11	0	0	0	0	0	0	0	35	193	0
31	0	0	0	0	0	0	0	0	17	74	158	314	234	286	258	167	20	0	0	0	0	0	0	0	64	314	0
Avg	0	0	0	0	0	0	0	0	26	97	154	193	213	186	145	68	9	0	0	0	0	0	0	0	45	228	0
Max	0	0	0	0	0	0	0	3	74	218	311	397	407	374	278	167	25	0	0	0	0	0	0	0	88	407	0
Min	0	0	0	0	0	0	0	0	6	32	39	39	37	34	37	18	2	0	0	0	0	0	0	0	12	47	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
October 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.51	24.50	24.50	24.50	24.50	24.50	24.52	24.53	24.53	24.54	24.53	24.52	24.52	24.52	24.50	24.49	24.49	24.49	24.49	24.50	24.49	24.49	24.49	24.49	24.51	24.54	24.49
2	24.48	24.45	24.42	24.42	24.42	24.42	24.42	24.41	24.40	24.39	24.38	24.37	24.35	24.33	24.32	24.31	24.31	24.31	24.32	24.32	24.31	24.30	24.30	24.29	24.36	24.48	24.29
3	24.29	24.30	24.31	24.30	24.31	24.34	24.36	24.38	24.39	24.40	24.41	24.41	24.42	24.43	24.44	24.45	24.46	24.47	24.48	24.49	24.50	24.50	24.51	24.51	24.41	24.51	24.29
4	24.51	24.50	24.50	24.50	24.49	24.49	24.49	24.50	24.50	24.50	24.49	24.48	24.46	24.44	24.43	24.42	24.41	24.40	24.41	24.42	24.42	24.42	24.41	24.41	24.46	24.51	24.40
5	24.41	24.41	24.42	24.42	24.42	24.43	24.43	24.44	24.45	24.46	24.46	24.46	24.46	24.46	24.46	24.47	24.48	24.49	24.49	24.50	24.52	24.52	24.52	24.52	24.46	24.52	24.41
6	24.51	24.51	24.52	24.52	24.52	24.54	24.54	24.54	24.56	24.55	24.54	24.52	24.51	24.49	24.48	24.47	24.47	24.46	24.47	24.47	24.48	24.47	24.47	24.46	24.50	24.56	24.46
7	24.46	24.46	24.47	24.47	24.48	24.48	24.49	24.49	24.50	24.51	24.52	24.52	24.52	24.51	24.52	24.52	24.53	24.53	24.54	24.55	24.56	24.57	24.57	24.57	24.51	24.57	24.46
8	24.58	24.57	24.58	24.59	24.59	24.61	24.62	24.63	24.65	24.66	24.67	24.67	24.66	24.66	24.65	24.65	24.66	24.66	24.66	24.66	24.65	24.65	24.65	24.64	24.64	24.67	24.57
9	24.63	24.62	24.62	24.62	24.61	24.60	24.59	24.59	24.58	24.57	24.55	24.54	24.53	24.52	24.50	24.50	24.49	24.49	24.48	24.49	24.48	24.47	24.47	24.47	24.54	24.63	24.47
10	24.46	24.46	24.46	24.45	24.44	24.43	24.41	24.41	24.41	24.40	24.38	24.36	24.33	24.30	24.27	24.24	24.22	24.21	24.20	24.20	24.20	24.19	24.17	24.15	24.32	24.46	24.15
11	24.12	24.10	24.11	24.17	24.22	24.25	24.25	24.26	24.28	24.29	24.32	24.34	24.34	24.35	24.38	24.40	24.41	24.44	24.47	24.50	24.51	24.52	24.52	24.51	24.34	24.52	24.10
12	24.51	24.51	24.51	24.50	24.48	24.49	24.49	24.50	24.51	24.51	24.50	24.48	24.47	24.46	24.45	24.44	24.43	24.43	24.44	24.45	24.45	24.47	24.48	24.49	24.48	24.51	24.43
13	24.49	24.49	24.50	24.50	24.50	24.51	24.51	24.52	24.53	24.53	24.52	24.50	24.49	24.48	24.46	24.47	24.48	24.49	24.50	24.51	24.52	24.52	24.52	24.54	24.50	24.54	24.46
14	24.53	24.53	24.53	24.52	24.53	24.54	24.54	24.55	24.57	24.57	24.57	24.56	24.55	24.54	24.53	24.53	24.53	24.54	24.55	24.56	24.58	24.59	24.60	24.60	24.55	24.60	24.52
15	24.62	24.63	24.65	24.66	24.68	24.70	24.72	24.72	24.74	24.75	24.75	24.74	24.73	24.72	24.72	24.71	24.71	24.70	24.70	24.70	24.70	24.69	24.68	24.68	24.70	24.75	24.62
16	24.66	24.65	24.64	24.63	24.62	24.62	24.61	24.61	24.62	24.62	24.60	24.59	24.57	24.56	24.56	24.55	24.55	24.55	24.56	24.57	24.56	24.56	24.55	24.54	24.59	24.66	24.54
17	24.53	24.52	24.51	24.50	24.49	24.49	24.48	24.48	24.49	24.48	24.46	24.44	24.43	24.40	24.39	24.38	24.37	24.37	24.37	24.37	24.36	24.36	24.36	24.35	24.43	24.53	24.35
18	24.34	24.34	24.35	24.35	24.36	24.36	24.36	24.36	24.37	24.38	24.38	24.37	24.37	24.37	24.37	24.37	24.37	24.38	24.38	24.38	24.38	24.38	24.38	24.37	24.37	24.38	24.34
19	24.35	24.35	24.34	24.32	24.32	24.31	24.30	24.30	24.30	24.30	24.30	24.29	24.28	24.27	24.26	24.25	24.24	24.25	24.26	24.27	24.27	24.28	24.29	24.29	24.29	24.35	24.24
20	24.30	24.31	24.32	24.33	24.34	24.36	24.37	24.40	24.43	24.45	24.48	24.50	24.52	24.52	24.53	24.55	24.56	24.57	24.58	24.59	24.59	24.59	24.59	24.60	24.47	24.60	24.30
21	24.59	24.60	24.60	24.60	24.59	24.59	24.58	24.58	24.58	24.58	24.57	24.56	24.54	24.52	24.51	24.49	24.48	24.47	24.46	24.46	24.45	24.45	24.45	24.44	24.53	24.60	24.44
22	24.43	24.43	24.43	24.43	24.42	24.43	24.43	24.43	24.45	24.45	24.44	24.43	24.41	24.39	24.38	24.38	24.39	24.41	24.43	24.44	24.44	24.45	24.45	24.45	24.43	24.45	24.38
23	24.45	24.46	24.47	24.48	24.50	24.50	24.51	24.51	24.52	24.52	24.51	24.51	24.49	24.48	24.47	24.46	24.46	24.45	24.45	24.45	24.44	24.44	24.45	24.45	24.48	24.52	24.44
24	24.45	24.46	24.46	24.47	24.47	24.48	24.48	24.49	24.50	24.50	24.50	24.49	24.48	24.46	24.46	24.46	24.46	24.47	24.48	24.49	24.48	24.46	24.47	24.48	24.48	24.50	24.45
25	24.48	24.48	24.47	24.47	24.47	24.47	24.47	24.47	24.49	24.50	24.49	24.48	24.47	24.45	24.45	24.44	24.43	24.43	24.43	24.43	24.42	24.42	24.41	24.39	24.45	24.50	24.39
26	24.38	24.38	24.36	24.35	24.35	24.35	24.34	24.34	24.34	24.33	24.32	24.31	24.30	24.28	24.26	24.26	24.26	24.26	24.27	24.28	24.28	24.30	24.30	24.30	24.31	24.38	24.26
27	24.30	24.31	24.32	24.33	24.34	24.35	24.36	24.38	24.40	24.41	24.43	24.44	24.45	24.44	24.44	24.45	24.45	24.44	24.44	24.43	24.43	24.42	24.42	24.41	24.40	24.45	24.30
28	24.41	24.40	24.41	24.40	24.40	24.40	24.39	24.39	24.38	24.38	24.37	24.36	24.34	24.32	24.30	24.30	24.29	24.28	24.27	24.26	24.26	24.26	24.27	24.26	24.34	24.41	24.26
29	24.26	24.26	24.25	24.25	24.24	24.25	24.24	24.24	24.25	24.25	24.26	24.26	24.25	24.23	24.23	24.23	24.23	24.23	24.24	24.25	24.26	24.26	24.27	24.26	24.25	24.27	24.23
30	24.26	24.25	24.24	24.23	24.21	24.21	24.21	24.20	24.19	24.18	24.17	24.15	24.12	24.09	24.07	24.06	24.05	24.04	24.05	24.05	24.06	24.07	24.10	24.13	24.14	24.26	24.04
31	24.14	24.15	24.16	24.16	24.17	24.18	24.18	24.17	24.17	24.17	24.17	24.17	24.15	24.14	24.14	24.13	24.13	24.12	24.13	24.13	24.12	24.12	24.12	24.13	24.15	24.18	24.12
Avg	24.43	24.43	24.43	24.43	24.43	24.44	24.44	24.45	24.45	24.46	24.45	24.45	24.44	24.42	24.42	24.41	24.41	24.41	24.42	24.42	24.42	24.43	24.43	24.43	24.43	24.50	24.36
Max	24.66	24.65	24.65	24.66	24.68	24.70	24.72	24.72	24.74	24.75	24.75	24.74	24.73	24.72	24.72	24.71	24.71	24.70	24.70	24.70	24.70	24.69	24.68	24.68	24.70	24.75	24.62
Min	24.12	24.10	24.11	24.16	24.17	24.18	24.18	24.17	24.17	24.17	24.17	24.15	24.12	24.09	24.07	24.06	24.05	24.04	24.05	24.05	24.06	24.07	24.10	24.13	24.14	24.18	24.04

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
November 2015

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	24.15	24.16	24.17	24.18	24.18	24.19	24.20	24.21	24.22	24.22	24.21	24.20	24.18	24.16	24.15	24.15	24.17	24.18	24.20	24.22	24.22	24.22	24.23	24.24	24.19	24.24	24.15
2	24.24	24.24	24.23	24.24	24.24	24.24	24.24	24.24	24.24	24.25	24.25	24.24	24.21	24.20	24.19	24.18	24.18	24.17	24.17	24.17	24.17	24.16	24.16	24.15	24.21	24.25	24.15
3	24.16	24.15	24.15	24.14	24.14	24.13	24.11	24.11	24.11	24.10	24.10	24.09	24.08	24.07	24.07	24.08	24.08	24.10	24.12	24.13	24.14	24.16	24.18	24.19	24.12	24.19	24.07
4	24.20	24.21	24.21	24.22	24.23	24.24	24.25	24.26	24.27	24.28	24.28	24.28	24.26	24.25	24.25	24.25	24.25	24.26	24.26	24.26	24.26	24.25	24.25	24.24	24.25	24.28	24.20
5	24.24	24.24	24.24	24.24	24.25	24.25	24.24	24.25	24.26	24.27	24.27	24.27	24.27	24.27	24.28	24.28	24.30	24.31	24.32	24.33	24.34	24.36	24.38	24.39	24.29	24.39	24.24
6	24.41	24.42	24.44	24.44	24.46	24.47	24.47	24.48	24.49	24.49	24.49	24.50	24.49	24.49	24.49	24.50	24.50	24.50	24.51	24.52	24.53	24.54	24.55	24.55	24.49	24.55	24.41
7	24.55	24.55	24.57	24.57	24.56	24.56	24.55	24.55	24.53	24.52	24.52	24.51	24.48	24.45	24.43	24.41	24.39	24.38	24.38	24.37	24.36	24.35	24.35	24.34	24.47	24.57	24.34
8	24.34	24.34	24.33	24.32	24.31	24.31	24.30	24.29	24.29	24.30	24.29	24.29	24.27	24.26	24.25	24.24	24.24	24.24	24.25	24.24	24.25	24.24	24.25	24.24	24.28	24.34	24.24
9	24.24	24.24	24.23	24.22	24.22	24.21	24.20	24.20	24.19	24.18	24.18	24.16	24.13	24.13	24.13	24.13	24.13	24.13	24.14	24.15	24.16	24.17	24.18	24.18	24.18	24.24	24.13
10	24.19	24.20	24.20	24.20	24.21	24.23	24.24	24.25	24.26	24.27	24.28	24.28	24.28	24.27	24.27	24.27	24.27	24.28	24.28	24.28	24.29	24.29	24.29	24.28	24.26	24.29	24.19
11	24.27	24.26	24.27	24.27	24.28	24.28	24.30	24.31	24.31	24.31	24.32	24.32	24.31	24.31	24.31	24.30	24.31	24.31	24.32	24.34	24.37	24.39	24.40	24.43	24.32	24.43	24.26
12	24.44	24.45	24.46	24.47	24.48	24.49	24.49	24.51	24.51	24.52	24.52	24.50	24.49	24.47	24.47	24.45	24.43	24.42	24.42	24.42	24.41	24.41	24.41	24.40	24.46	24.52	24.40
13	24.38	24.37	24.36	24.36	24.35	24.35	24.35	24.36	24.37	24.36	24.36	24.36	24.33	24.31	24.30	24.30	24.30	24.29	24.30	24.30	24.30	24.30	24.30	24.30	24.33	24.38	24.29
14	24.30	24.30	24.30	24.29	24.28	24.27	24.26	24.26	24.27	24.28	24.28	24.27	24.25	24.25	24.24	24.24	24.23	24.23	24.22	24.23	24.23	24.23	24.21	24.21	24.26	24.30	24.21
15	24.20	24.19	24.18	24.17	24.16	24.15	24.13	24.12	24.11	24.10	24.08	24.07	24.04	24.02	24.00	23.98	23.97	23.97	23.96	23.94	23.93	23.92	23.92	23.92	24.05	24.20	23.92
16	23.93	23.94	23.95	23.96	23.98	24.00	24.02	24.05	24.09	24.11	24.14	24.16	24.19	24.21	24.23	24.25	24.27	24.28	24.30	24.31	24.32	24.31	24.30	24.29	24.15	24.32	23.93
17	24.28	24.26	24.25	24.24	24.22	24.21	24.21	24.22	24.23	24.21	24.21	24.21	24.18	24.15	24.11	24.08	24.05	24.02	23.98	23.94	23.90	23.87	23.82	23.79	24.11	24.28	23.79
18	23.75	23.72	23.77	23.83	23.88	23.94	24.00	24.06	24.10	24.14	24.16	24.18	24.20	24.21	24.21	24.23	24.26	24.29	24.31	24.32	24.32	24.32	24.32	24.32	24.12	24.32	23.72
19	24.32	24.31	24.32	24.31	24.31	24.31	24.30	24.30	24.30	24.30	24.30	24.29	24.28	24.28	24.26	24.25	24.24	24.24	24.24	24.25	24.26	24.27	24.27	24.29	24.28	24.32	24.24
20	24.30	24.32	24.33	24.35	24.36	24.37	24.39	24.41	24.44	24.48	24.52	24.54	24.54	24.56	24.57	24.59	24.60	24.61	24.63	24.64	24.64	24.64	24.63	24.62	24.50	24.64	24.30
21	24.61	24.60	24.59	24.58	24.57	24.55	24.54	24.53	24.52	24.51	24.51	24.49	24.46	24.44	24.43	24.42	24.40	24.39	24.40	24.41	24.42	24.43	24.43	24.44	24.49	24.61	24.39
22	24.43	24.43	24.43	24.43	24.43	24.42	24.41	24.41	24.42	24.43	24.44	24.43	24.42	24.41	24.40	24.40	24.39	24.38	24.37	24.36	24.36	24.37	24.37	24.37	24.40	24.44	24.36
23	24.36	24.35	24.35	24.34	24.34	24.32	24.31	24.31	24.31	24.28	24.28	24.26	24.23	24.20	24.19	24.19	24.18	24.17	24.16	24.15	24.13	24.14	24.14	24.13	24.24	24.36	24.13
24	24.12	24.12	24.12	24.12	24.12	24.12	24.11	24.11	24.10	24.11	24.14	24.14	24.13	24.13	24.13	24.15	24.18	24.21	24.23	24.24	24.26	24.28	24.29	24.31	24.17	24.31	24.10
25	24.32	24.33	24.34	24.36	24.36	24.37	24.39	24.41	24.43	24.43	24.44	24.43	24.42	24.41	24.42	24.43	24.45	24.47	24.49	24.49	24.50	24.50	24.50	24.49	24.42	24.50	24.32
26	24.50	24.50	24.51	24.52	24.53	24.55	24.56	24.57	24.61	24.63	24.63	24.61	24.61	24.60	24.61	24.61	24.64	24.65	24.65	24.65	24.65	24.66	24.66	24.65	24.60	24.66	24.50
27	24.65	24.64	24.64	24.63	24.62	24.61	24.60	24.60	24.62	24.63	24.61	24.61	24.60	24.59	24.58	24.57	24.56	24.57	24.57	24.57	24.57	24.56	24.56	24.56	24.60	24.65	24.56
28	24.55	24.54	24.55	24.54	24.53	24.53	24.53	24.53	24.53	24.53	24.52	24.52	24.50	24.48	24.46	24.44	24.45	24.46	24.47	24.47	24.47	24.46	24.47	24.46	24.50	24.55	24.44
29	24.46	24.44	24.43	24.43	24.42	24.42	24.43	24.43	24.44	24.43	24.42	24.41	24.39	24.37	24.35	24.34	24.34	24.34	24.34	24.34	24.34	24.34	24.33	24.32	24.39	24.46	24.32
30	24.31	24.32	24.32	24.31	24.30	24.30	24.30	24.30	24.31	24.32	24.32	24.31	24.30	24.29	24.28	24.28	24.28	24.30	24.31	24.32	24.32	24.33	24.33	24.34	24.31	24.34	24.28
Avg	24.31	24.30	24.31	24.31	24.31	24.31	24.31	24.32	24.33	24.33	24.34	24.33	24.32	24.31	24.30	24.30	24.30	24.31	24.31	24.31	24.31	24.32	24.32	24.31	24.31	24.40	24.22
Max	24.65	24.64	24.64	24.63	24.62	24.61	24.60	24.60	24.62	24.63	24.63	24.61	24.61	24.60	24.61	24.61	24.64	24.65	24.65	24.65	24.65	24.66	24.66	24.65	24.60	24.66	24.56
Min	23.75	23.72	23.77	23.83	23.88	23.94	24.00	24.05	24.09	24.10	24.08	24.07	24.04	24.02	24.00	23.98	23.97	23.97	23.96	23.94	23.90	23.87	23.82	23.79	24.05	24.19	23.72

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
December 2015

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	24.34	24.34	24.35	24.36	24.36	24.37	24.39	24.40	24.41	24.42	24.43	24.43	24.43	24.43	24.42	24.43	24.43	24.44	24.45	24.46	24.46	24.46	24.45	24.45	24.41	24.46	24.34
2	24.45	24.44	24.44	24.44	24.43	24.42	24.41	24.41	24.42	24.42	24.41	24.41	24.40	24.41	24.42	24.42	24.42	24.44	24.44	24.45	24.47	24.49	24.51	24.51	24.44	24.51	24.40
3	24.52	24.51	24.50	24.49	24.47	24.46	24.46	24.45	24.45	24.42	24.41	24.40	24.37	24.34	24.32	24.31	24.30	24.28	24.27	24.26	24.24	24.21	24.19	24.17	24.37	24.52	24.17
4	24.15	24.14	24.14	24.14	24.14	24.14	24.15	24.14	24.15	24.17	Au	Au	Au	24.19	24.21	24.23	24.26	24.27	24.30	24.31	24.32	24.33	24.36	24.38	24.22	24.38	24.14
5	24.38	24.40	24.44	24.46	24.47	24.49	24.51	24.52	24.54	24.56	24.58	24.58	24.56	24.55	24.54	24.54	24.54	24.55	24.56	24.54	24.53	24.53	24.52	24.51	24.52	24.58	24.38
6	24.50	24.48	24.48	24.45	24.43	24.41	24.40	24.38	24.37	24.36	24.35	24.33	24.30	24.30	24.31	24.31	24.32	24.34	24.35	24.36	24.37	24.38	24.38	24.38	24.38	24.50	24.30
7	24.38	24.37	24.36	24.34	24.32	24.30	24.27	24.25	24.23	24.23	24.22	24.18	24.16	24.14	24.14	24.13	24.12	24.09	24.08	24.08	24.07	24.09	24.09	24.12	24.20	24.38	24.07
8	24.13	24.15	24.17	24.19	24.21	24.24	24.24	24.25	24.27	24.29	24.29	24.28	24.25	24.24	24.22	24.20	24.20	24.18	24.16	24.14	24.13	24.13	24.10	24.10	24.20	24.29	24.10
9	24.09	24.08	24.07	24.05	24.05	24.03	24.01	24.00	23.99	23.97	23.97	23.95	23.94	23.94	23.97	23.98	23.99	24.02	24.03	24.05	24.05	24.05	24.08	24.09	24.02	24.09	23.94
10	24.09	24.09	24.10	24.10	24.09	24.08	24.06	24.01	23.98	23.96	23.94	23.91	23.85	23.83	23.82	23.81	23.81	23.83	23.84	23.86	23.87	23.87	23.88	23.89	23.94	24.10	23.81
11	23.90	23.92	23.92	23.93	23.94	23.95	23.96	23.97	23.99	24.00	24.02	24.02	24.02	24.01	24.01	24.02	24.03	24.05	24.08	24.09	24.09	24.09	24.10	24.11	24.01	24.11	23.90
12	24.11	24.12	24.14	24.15	24.15	24.15	24.17	24.18	24.19	24.19	24.19	24.18	24.16	24.15	24.15	24.15	24.15	24.13	24.12	24.10	24.09	24.07	24.04	24.02	24.14	24.19	24.02
13	24.00	24.00	24.00	23.98	23.97	23.97	23.98	23.99	23.99	23.98	23.97	23.95	23.94	23.92	23.91	23.90	23.90	23.89	23.88	23.88	23.89	23.89	23.88	23.88	23.94	24.00	23.88
14	23.88	23.88	23.88	23.89	23.90	23.90	23.92	23.95	23.98	24.01	24.03	24.05	24.06	24.08	24.09	24.12	24.14	24.16	24.17	24.18	24.19	24.20	24.21	24.23	24.05	24.23	23.88
15	24.23	24.24	24.24	24.25	24.26	24.26	24.27	24.27	24.27	24.28	24.27	24.26	24.24	24.22	24.21	24.21	24.21	24.22	24.22	24.22	24.22	24.22	24.22	24.22	24.24	24.28	24.21
16	24.21	24.20	24.20	24.20	24.19	24.19	24.18	24.18	24.18	24.17	24.16	24.14	24.13	24.12	24.14	24.17	24.19	24.21	24.24	24.25	24.28	24.29	24.30	24.30	24.20	24.30	24.12
17	24.31	24.31	24.32	24.32	24.31	24.31	24.31	24.31	24.30	24.31	24.30	24.28	24.28	24.26	24.25	24.23	24.25	24.24	24.24	24.23	24.22	24.22	24.22	24.21	24.27	24.32	24.21
18	24.20	24.19	24.17	24.17	24.15	24.15	24.15	24.15	24.16	24.15	24.17	24.18	24.19	24.19	24.19	24.19	24.18	24.18	24.18	24.17	24.16	24.16	24.15	24.15	24.17	24.20	24.15
19	24.15	24.14	24.13	24.11	24.10	24.09	24.09	24.09	24.11	24.12	24.13	24.12	24.10	24.09	24.08	24.08	24.09	24.10	24.11	24.11	24.11	24.12	24.13	24.14	24.11	24.15	24.08
20	24.15	24.15	24.16	24.16	24.15	24.15	24.15	24.15	24.15	24.14	24.13	24.12	24.10	24.08	24.06	24.05	24.05	24.06	24.06	24.05	24.05	24.06	24.06	24.06	24.10	24.16	24.05
21	24.06	24.06	24.07	24.07	24.06	24.07	24.07	24.06	24.04	24.04	24.02	23.98	23.93	23.88	23.83	23.80	23.75	23.72	23.69	23.67	23.66	23.64	23.62	23.62	23.89	24.07	23.62
22	23.61	23.61	23.62	23.63	23.63	23.63	23.64	23.65	23.66	23.67	23.68	23.68	23.67	23.67	23.67	23.68	23.70	23.72	23.73	23.75	23.76	23.77	23.77	23.77	23.68	23.77	23.61
23	23.77	23.77	23.79	23.79	23.79	23.78	23.79	23.78	23.79	23.80	23.82	23.81	23.79	23.79	23.80	23.82	23.84	23.85	23.85	23.86	23.86	23.86	23.86	23.87	23.81	23.87	23.77
24	23.87	23.87	23.89	23.89	23.89	23.90	23.91	23.92	23.93	23.95	23.96	23.96	23.94	23.93	23.94	23.96	23.98	24.01	24.02	24.03	24.04	24.05	24.06	24.07	23.96	24.07	23.87
25	24.07	24.08	24.09	24.10	24.12	24.13	24.16	24.18	24.20	24.22	24.24	24.23	24.24	24.25	24.27	24.31	24.34	24.37	24.39	24.41	24.43	24.44	24.45	24.46	24.26	24.46	24.07
26	24.46	24.47	24.49	24.51	24.53	24.54	24.55	24.57	24.58	24.63	24.65	24.64	24.62	24.61	24.61	24.62	24.64	24.65	24.65	24.64	24.63	24.62	24.61	24.59	24.59	24.65	24.46
27	24.57	24.55	24.54	24.54	24.53	24.51	24.50	24.50	24.48	24.47	24.46	24.44	24.40	24.38	24.37	24.35	24.35	24.33	24.31	24.30	24.29	24.28	24.27	24.25	24.42	24.57	24.25
28	24.23	24.21	24.21	24.20	24.19	24.18	24.17	24.16	24.16	24.16	24.15	24.15	24.14	24.13	24.12	24.13	24.15	24.15	24.16	24.17	24.18	24.19	24.19	24.21	24.17	24.23	24.12
29	24.20	24.20	24.21	24.22	24.22	24.22	24.23	24.24	24.24	24.24	24.24	24.23	24.22	24.22	24.22	24.23	24.24	24.26	24.27	24.27	24.28	24.28	24.29	24.30	24.24	24.30	24.20
30	24.30	24.30	24.31	24.33	24.33	24.34	24.36	24.37	24.38	24.40	24.42	24.40	24.39	24.40	24.41	24.41	24.43	24.44	24.46	24.47	24.48	24.50	24.49	24.50	24.40	24.50	24.30
31	24.52	24.52	24.55	24.56	24.56	24.58	24.60	24.62	24.63	24.65	24.66	24.65	24.65	24.64	24.64	24.63	24.65	24.66	24.66	24.67	24.66	24.66	24.66	24.66	24.62	24.67	24.52
Avg	24.19	24.19	24.19	24.19	24.19	24.19	24.20	24.20	24.20	24.21	24.21	24.20	24.18	24.17	24.17	24.17	24.18	24.19	24.19	24.19	24.20	24.20	24.20	24.20	24.19	24.29	24.09
Max	24.57	24.55	24.55	24.56	24.56	24.58	24.60	24.62	24.63	24.65	24.66	24.65	24.65	24.64	24.64	24.63	24.65	24.66	24.66	24.67	24.66	24.66	24.66	24.66	24.62	24.67	24.52
Min	23.61	23.61	23.62	23.63	23.63	23.63	23.64	23.65	23.66	23.67	23.68	23.68	23.67	23.67	23.67	23.68	23.70	23.72	23.69	23.67	23.66	23.64	23.62	23.62	23.68	23.77	23.61

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
October 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	59.8	55.6	53.7	60.2	59.4	62.0	60.3	60.1	59.4	45.5	31.7	33.1	35.9	36.9	35.6	34.0	33.9	43.3	53.3	57.6	61.6	67.0	75.3	85.7	52.5	85.7	31.7
2	86.1	85.7	78.6	86.8	90.7	90.9	90.5	91.0	81.1	72.8	57.1	59.0	60.6	61.0	61.2	59.7	58.8	61.4	65.9	70.1	74.1	76.9	79.0	79.9	74.1	91.0	57.1
3	79.0	79.5	81.3	75.9	81.7	80.3	79.4	80.3	83.6	82.3	79.2	76.5	78.5	74.8	77.8	82.2	83.5	84.7	86.6	87.1	87.2	86.9	85.0	90.4	81.8	90.4	74.8
4	89.3	86.5	86.4	86.2	87.6	89.3	88.9	85.1	81.6	78.5	72.4	69.0	65.1	62.8	61.1	58.4	56.5	65.5	76.9	80.2	83.4	86.8	89.9	90.9	78.3	90.9	56.5
5	92.6	93.0	92.3	91.7	91.0	91.4	90.1	89.9	86.2	68.4	55.2	50.3	45.7	38.1	36.2	38.0	38.1	42.9	65.0	73.7	79.0	84.2	86.8	87.7	71.1	93.0	36.2
6	90.4	91.3	92.5	92.4	92.9	92.4	92.2	87.8	75.7	56.9	40.4	35.5	30.3	27.5	25.9	25.0	30.3	37.2	53.0	62.0	70.3	77.5	82.5	86.7	64.5	92.9	25.0
7	87.6	88.6	88.5	86.9	86.1	85.9	84.9	76.2	61.8	37.9	35.2	33.2	32.4	35.4	49.5	55.6	67.8	86.5	91.0	91.6	94.2	94.8	95.4	95.9	72.6	95.9	32.4
8	96.0	96.3	96.4	96.3	96.3	96.8	96.7	97.4	96.5	87.4	77.0	71.1	66.2	65.7	61.2	55.0	57.5	65.5	77.7	86.1	89.3	91.0	93.7	95.0	83.7	97.4	55.0
9	95.7	95.2	94.8	95.4	96.3	96.8	94.9	91.7	85.5	61.4	42.5	31.5	24.5	24.2	22.4	23.8	24.7	32.2	41.5	56.0	61.2	71.0	74.5	74.0	63.0	96.8	22.4
10	79.0	81.3	83.0	84.5	85.2	87.0	88.8	85.0	80.9	75.4	36.2	24.6	21.3	19.8	19.5	19.0	19.1	22.6	29.6	37.5	48.1	53.5	62.6	61.6	54.4	88.8	19.0
11	70.1	58.8	34.8	53.9	59.8	60.5	62.4	62.2	57.6	51.4	43.1	34.7	30.5	28.2	27.9	29.1	31.3	35.6	38.8	44.8	49.6	58.8	71.8	76.5	48.8	76.5	27.9
12	79.2	77.4	79.1	79.3	81.2	80.6	79.6	76.2	55.7	32.0	22.9	21.9	21.9	22.3	21.1	18.9	20.4	22.6	31.1	36.2	34.9	29.6	31.2	32.7	45.3	81.2	18.9
13	35.2	35.9	37.0	38.8	57.6	61.0	63.8	63.1	50.8	35.4	33.9	31.4	31.1	31.0	30.4	30.2	31.1	36.8	44.8	49.8	52.3	52.7	51.5	54.0	43.3	63.8	30.2
14	56.3	60.6	65.0	72.1	80.1	83.7	89.6	86.3	69.8	52.0	48.5	44.5	38.6	36.6	32.9	25.1	24.4	30.6	40.6	54.1	60.7	66.6	71.3	75.3	56.9	89.6	24.4
15	81.4	84.2	83.1	84.9	85.6	85.5	85.5	83.8	67.0	46.6	41.4	39.2	37.3	34.8	34.3	34.7	37.7	42.3	46.1	50.3	51.4	53.1	57.0	64.7	58.8	85.6	34.3
16	73.2	78.4	81.5	84.2	85.7	87.0	86.6	84.0	70.1	47.8	30.7	26.3	25.3	22.3	21.9	25.0	28.9	36.4	37.9	47.4	56.9	61.7	69.5	73.4	55.9	87.0	21.9
17	78.7	81.0	83.7	85.6	86.2	88.7	89.1	86.2	64.8	50.6	30.7	23.1	21.2	18.5	18.8	18.5	19.4	28.8	43.8	52.9	60.9	65.2	66.5	73.3	55.7	89.1	18.5
18	76.8	79.3	78.4	76.6	76.6	73.6	75.8	74.6	67.5	61.3	55.1	49.0	48.7	42.7	46.9	50.3	46.8	50.7	67.4	77.1	77.4	87.0	88.7	88.8	67.4	88.8	42.7
19	91.4	92.7	90.7	93.0	91.7	92.4	92.1	91.1	89.2	80.9	60.3	52.8	53.0	52.5	50.1	50.2	55.0	67.3	84.2	91.8	92.6	84.5	83.3	83.7	77.8	93.0	50.1
20	78.6	74.7	78.0	77.4	75.2	79.3	82.7	81.4	84.9	87.9	83.8	83.1	79.3	77.4	66.5	65.5	70.7	84.0	87.7	87.0	89.5	92.4	93.4	93.1	81.4	93.4	65.5
21	92.6	91.5	91.4	91.1	90.3	89.6	89.5	90.3	92.3	90.4	68.1	52.6	46.0	39.1	36.2	33.3	35.7	52.7	68.5	75.7	82.7	84.3	87.5	92.1	73.5	92.6	33.3
22	91.0	91.5	92.0	91.5	91.8	91.7	92.5	91.7	85.3	70.8	47.5	38.9	35.9	32.5	31.5	29.4	33.0	39.7	55.5	59.9	65.2	71.6	70.7	73.1	65.6	92.5	29.4
23	81.4	84.3	86.2	90.3	89.3	90.9	89.2	89.4	80.9	70.9	57.5	51.5	42.5	36.7	31.7	30.8	30.9	44.3	52.1	58.2	65.9	74.9	79.9	82.1	66.3	90.9	30.8
24	85.3	86.2	86.3	86.8	87.9	87.2	86.3	84.6	75.0	61.2	30.0	22.3	20.6	21.4	20.9	21.9	25.6	29.8	29.2	35.0	42.7	47.2	51.8	54.9	53.3	87.9	20.6
25	61.1	72.2	77.4	82.7	85.5	86.3	86.8	90.3	80.6	69.7	54.9	46.1	43.1	45.2	49.5	49.5	49.7	52.3	53.9	61.5	66.7	67.2	67.3	65.7	65.2	90.3	43.1
26	65.9	64.7	65.1	65.3	73.8	72.9	71.0	74.0	71.6	64.3	58.3	62.2	59.6	54.8	50.7	46.2	53.8	64.8	74.3	80.1	83.7	82.2	82.6	85.1	67.8	85.1	46.2
27	85.5	90.6	90.2	91.5	88.2	87.8	85.5	89.1	86.5	83.7	85.0	79.5	77.7	75.5	71.1	74.8	74.5	76.8	81.0	83.4	84.6	85.7	89.2	92.7	83.8	92.7	71.1
28	92.1	90.5	89.1	87.9	87.8	86.8	86.8	87.0	90.7	90.1	67.3	53.1	46.2	39.7	36.1	35.4	40.3	54.7	67.4	71.5	79.0	82.5	85.7	87.1	72.3	92.1	35.4
29	88.1	88.8	88.4	87.9	88.2	87.7	87.9	87.2	86.5	83.8	71.7	66.2	69.7	71.0	69.1	74.8	81.2	74.7	74.5	74.2	75.0	74.2	75.9	78.7	79.4	88.8	66.2
30	78.8	79.7	82.2	86.0	87.5	89.1	88.8	88.7	79.4	58.4	54.6	53.8	56.6	51.5	49.9	50.7	55.1	57.8	57.5	58.8	64.5	67.3	70.9	82.0	68.7	89.1	49.9
31	85.3	86.1	87.6	84.7	81.1	79.9	79.7	82.7	86.3	82.9	84.0	82.3	74.4	69.0	70.9	79.6	83.8	79.7	73.4	62.3	53.6	50.0	48.0	59.9	75.3	87.6	48.0
Avg	80.1	80.7	80.5	82.2	83.8	84.4	84.4	83.5	76.9	65.8	53.4	48.3	45.8	43.5	42.5	42.7	45.1	51.7	59.7	65.0	69.0	71.9	74.8	78.0	66.4	89.0	39.3
Max	96.0	96.3	96.4	96.3	96.3	96.8	96.7	97.4	96.5	90.4	85.0	83.1	79.3	77.4	77.8	82.2	83.8	86.5	91.0	91.8	94.2	94.8	95.4	95.9	83.8	97.4	74.8
Min	35.2	35.9	34.8	38.8	57.6	60.5	60.3	60.1	50.8	32.0	22.9	21.9	20.6	18.5	18.8	18.5	19.1	22.6	29.2	35.0	34.9	29.6	31.2	32.7	43.3	63.8	18.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
November 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	82.0	87.3	88.4	88.4	82.5	81.3	82.6	79.3	77.3	68.4	57.1	50.2	46.6	43.0	32.5	32.1	50.3	61.2	67.2	74.8	71.2	66.9	75.3	74.2	67.5	88.4	32.1
2	72.7	66.0	69.8	76.1	79.8	83.0	86.6	85.9	85.5	80.3	69.9	53.4	48.1	45.4	43.5	45.6	52.4	58.2	69.1	78.6	80.9	83.2	85.2	90.3	70.4	90.3	43.5
3	93.0	94.0	94.9	95.2	95.7	95.6	95.6	95.5	95.0	91.6	92.1	91.2	88.4	90.7	91.1	92.2	93.9	91.8	92.3	93.2	93.3	93.5	94.1	94.2	93.3	95.7	88.4
4	94.1	91.9	90.4	90.5	90.3	91.5	90.7	90.3	89.5	89.8	88.7	85.8	86.6	86.6	84.4	82.5	84.1	86.4	85.1	83.1	84.5	82.3	80.4	80.2	87.1	94.1	80.2
5	81.0	80.0	79.9	82.3	82.4	82.1	78.5	77.1	76.3	76.2	76.4	76.9	76.4	77.2	75.2	78.3	84.7	87.3	87.3	89.9	91.2	91.0	90.4	89.1	82.0	91.2	75.2
6	87.5	87.9	87.4	85.8	84.9	85.4	85.7	87.0	88.2	89.5	84.3	70.4	67.5	64.5	62.7	64.0	65.5	69.7	70.5	76.2	80.7	82.7	82.7	85.1	79.0	89.5	62.7
7	86.8	87.6	87.9	86.9	86.4	86.7	87.0	86.1	81.3	75.1	65.6	56.1	54.2	52.7	52.0	53.2	59.5	64.4	70.8	70.4	70.4	65.8	69.6	70.3	72.0	87.9	52.0
8	75.0	81.8	82.2	82.7	84.0	83.3	84.7	82.0	69.5	46.9	37.9	34.4	33.6	32.7	34.2	35.9	41.6	52.5	56.4	68.8	61.8	70.6	74.3	78.1	61.9	84.7	32.7
9	80.7	83.5	81.7	84.9	84.2	85.3	84.6	82.2	81.5	73.7	60.5	48.2	41.2	47.1	50.5	62.9	80.7	82.7	88.4	93.5	95.5	95.4	93.1	92.1	77.3	95.5	41.2
10	90.5	87.5	86.0	84.9	88.8	89.3	89.0	90.1	91.1	90.5	89.0	85.1	80.8	81.4	84.8	84.2	84.7	85.0	82.0	81.3	86.2	89.6	88.2	88.1	86.6	91.1	80.8
11	88.6	79.8	79.0	78.4	77.9	82.8	85.0	84.4	80.3	67.8	59.4	58.4	55.1	59.0	61.9	63.8	71.0	75.0	74.5	65.0	63.4	60.1	63.0	73.4	71.1	88.6	55.1
12	81.0	84.9	81.6	82.4	82.1	83.0	83.5	84.0	77.7	74.5	58.8	57.8	57.0	55.8	51.8	53.0	60.2	66.0	71.6	78.0	78.5	79.7	83.9	83.7	72.9	84.9	51.8
13	81.6	80.8	79.6	81.3	76.7	77.3	74.0	68.7	63.1	58.9	55.9	56.9	58.9	59.0	58.7	60.1	60.0	63.5	65.4	64.1	62.2	61.8	61.6	62.2	66.3	81.6	55.9
14	66.0	67.9	67.8	70.1	76.6	78.9	80.5	84.2	76.6	63.2	40.1	37.2	37.1	36.1	36.5	40.5	41.8	50.0	54.9	47.9	36.2	39.2	49.9	49.5	55.4	84.2	36.1
15	63.7	67.8	74.1	79.8	82.0	82.3	82.0	79.2	72.4	72.6	67.8	38.4	29.3	28.2	29.6	35.3	43.8	56.1	57.2	67.9	74.4	73.4	72.5	75.8	62.7	82.3	28.2
16	79.8	81.6	80.9	82.5	83.2	79.9	88.3	90.9	90.0	86.4	84.6	79.4	69.5	64.9	61.6	61.6	59.1	64.3	66.0	71.5	80.1	83.9	84.3	82.3	77.4	90.9	59.1
17	83.0	82.2	81.9	83.2	84.7	85.2	79.9	82.5	78.8	69.4	60.0	54.1	58.7	59.6	61.4	61.8	65.0	63.2	64.2	62.7	63.2	59.1	58.3	58.6	69.2	85.2	54.1
18	59.0	67.3	84.2	61.7	42.8	63.0	87.8	84.1	79.2	78.2	80.1	80.0	75.4	68.8	69.4	70.7	75.1	73.8	77.4	85.3	87.2	86.4	84.0	83.7	75.2	87.8	42.8
19	73.5	73.7	68.4	63.9	65.9	68.9	69.2	68.9	67.3	66.3	63.2	63.3	61.9	58.7	56.2	58.6	64.8	71.6	76.2	80.4	86.7	88.1	88.8	88.2	70.5	88.8	56.2
20	88.0	87.8	86.2	84.5	84.2	84.8	85.1	85.8	75.8	66.0	62.4	59.9	71.1	66.7	58.4	59.4	67.5	76.1	81.1	81.6	83.0	81.2	80.0	79.0	76.5	88.0	58.4
21	78.4	78.3	78.1	78.1	78.0	78.4	79.4	80.7	61.4	45.0	40.4	37.0	35.7	33.1	32.2	33.2	33.3	34.0	37.9	39.9	54.2	61.3	66.5	70.5	56.0	80.7	32.2
22	73.3	74.6	76.6	78.5	78.5	77.8	77.6	75.7	69.2	60.7	47.1	33.8	35.1	35.2	38.1	43.6	49.1	60.8	66.8	74.3	80.9	83.0	84.9	86.3	65.1	86.3	33.8
23	86.7	86.3	86.0	85.6	85.3	85.2	83.3	83.3	83.0	78.5	65.0	42.0	31.8	32.0	30.3	33.7	40.6	47.1	55.8	58.6	67.4	70.1	74.2	75.3	65.3	86.7	30.3
24	77.1	75.8	75.1	75.6	76.2	76.4	78.1	78.0	76.3	71.1	86.8	89.7	87.4	84.5	81.5	78.0	74.5	74.4	71.2	73.3	76.3	73.5	69.2	69.6	77.1	89.7	69.2
25	70.2	70.6	69.7	70.3	69.3	74.8	74.7	75.6	75.6	72.6	71.7	64.8	62.2	69.8	73.5	72.1	77.6	83.1	79.1	77.6	77.4	76.7	75.3	74.4	73.3	83.1	62.2
26	73.7	73.3	72.4	72.0	72.3	72.6	72.0	72.3	72.9	76.2	77.6	68.4	60.8	61.9	64.3	64.8	74.3	82.1	82.6	80.2	78.1	77.3	75.9	75.6	73.1	82.6	60.8
27	75.5	74.4	74.0	74.0	73.3	73.6	73.0	72.5	74.4	74.9	76.6	67.1	47.2	35.8	39.9	52.9	65.9	78.3	84.3	84.1	82.5	80.7	80.2	79.8	70.6	84.3	35.8
28	78.8	78.7	78.7	79.0	78.9	78.7	79.0	78.1	79.1	78.9	64.6	45.1	35.9	37.3	37.4	42.4	48.0	64.8	76.8	81.4	83.6	82.9	81.7	80.4	68.8	83.6	35.9
29	79.9	79.8	79.6	78.6	79.0	78.0	77.9	77.5	78.1	78.7	72.2	55.5	38.8	43.9	41.2	46.5	52.6	66.7	77.6	81.7	84.6	83.7	82.2	81.0	70.6	84.6	38.8
30	81.8	80.8	80.1	79.3	78.8	79.3	78.6	78.8	79.8	81.0	82.0	79.6	61.1	39.6	39.3	42.9	50.4	68.4	72.0	75.9	78.8	79.3	80.7	79.7	72.0	82.0	39.3
Avg	79.4	79.8	80.1	79.9	79.5	80.8	81.8	81.4	78.2	73.4	67.9	60.7	56.4	55.0	54.5	56.9	62.4	68.6	72.1	74.7	76.5	76.7	77.7	78.4	72.2	87.1	50.8
Max	94.1	94.0	94.9	95.2	95.7	95.6	95.6	95.5	95.0	91.6	92.1	91.2	88.4	90.7	91.1	92.2	93.9	91.8	92.3	93.5	95.5	95.4	94.1	94.2	93.3	95.7	88.4
Min	59.0	66.0	67.8	61.7	42.8	63.0	69.2	68.7	61.4	45.0	37.9	33.8	29.3	28.2	29.6	32.1	33.3	34.0	37.9	39.9	36.2	39.2	49.9	49.5	55.4	80.7	28.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
December 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	80.3	79.2	80.7	78.8	79.4	80.1	79.6	79.9	75.6	65.1	52.9	39.5	39.5	42.2	45.7	50.0	55.4	64.1	71.0	77.7	81.1	84.1	85.6	84.8	68.8	85.6	39.5
2	83.2	82.7	81.8	81.3	80.7	79.5	79.4	79.4	80.8	83.2	76.0	67.4	45.6	54.5	88.3	88.9	88.8	89.1	87.1	89.4	87.8	86.4	85.1	83.3	80.4	89.4	45.6
3	83.1	82.1	81.5	82.7	84.2	83.7	83.5	84.4	85.5	90.1	78.8	53.2	45.4	40.2	39.1	44.6	44.7	61.6	63.7	63.6	60.6	59.8	51.3	55.5	66.8	90.1	39.1
4	67.7	67.5	71.8	56.4	60.7	51.8	57.4	62.0	51.2	49.6	Au	Au	Au	50.2	57.0	55.6	64.5	66.2	66.6	72.0	76.6	75.7	82.2	88.1	64.3	88.1	49.6
5	91.8	83.3	72.1	73.0	77.2	79.9	85.4	84.6	84.0	73.5	67.7	54.7	55.6	46.6	48.1	52.0	59.0	66.2	68.8	59.7	60.5	55.1	59.0	43.4	66.7	91.8	43.4
6	45.2	43.1	40.6	39.1	40.2	39.9	37.9	36.8	40.7	36.2	35.3	36.7	37.1	39.8	41.4	44.3	49.5	50.4	54.6	58.2	59.8	60.4	60.4	60.1	45.3	60.4	35.3
7	62.9	62.2	60.8	58.4	62.1	58.5	62.8	63.0	62.5	59.5	53.3	52.9	51.4	52.8	55.9	73.2	78.0	76.6	75.1	81.4	83.7	87.2	89.3	85.2	67.0	89.3	51.4
8	76.1	75.7	73.3	73.5	74.4	85.2	79.6	73.3	69.9	68.7	69.3	71.7	67.4	61.2	60.8	59.7	60.4	61.4	60.7	61.8	59.8	58.3	58.3	58.0	67.4	85.2	58.0
9	59.3	58.7	56.8	55.0	53.7	50.6	50.4	48.4	48.5	44.7	43.0	46.7	54.4	72.5	68.7	58.5	52.9	56.1	57.6	58.2	58.5	58.3	56.0	60.5	55.3	72.5	43.0
10	61.7	58.1	59.7	62.9	67.6	73.1	79.5	77.9	74.6	65.5	57.7	82.0	91.6	92.7	92.4	90.9	90.5	92.3	92.6	92.8	89.6	81.7	84.1	85.8	79.1	92.8	57.7
11	86.7	86.5	85.6	83.9	85.9	86.2	87.8	88.3	88.6	81.5	75.5	69.2	62.6	60.9	62.2	65.6	74.8	83.0	88.3	86.6	87.8	86.5	87.0	87.0	80.7	88.6	60.9
12	86.4	87.3	86.5	86.1	86.4	86.4	86.1	85.9	83.6	81.2	71.7	68.1	65.2	59.3	55.1	58.9	65.1	73.1	72.4	74.2	73.5	69.0	67.3	63.1	74.7	87.3	55.1
13	65.9	78.9	86.2	84.6	81.7	79.1	76.1	73.3	74.0	80.6	72.6	69.4	69.1	66.1	63.0	65.5	65.3	67.4	71.3	73.5	81.2	92.5	93.8	94.5	76.1	94.5	63.0
14	94.9	94.8	94.7	94.4	94.0	89.5	81.5	77.4	76.0	75.6	72.2	71.1	69.2	66.8	66.7	66.3	65.0	67.4	70.6	70.7	68.9	68.4	69.8	71.8	76.6	94.9	65.0
15	72.8	76.6	81.8	84.5	86.3	83.6	81.6	80.7	79.3	77.4	74.2	70.9	67.0	71.4	73.4	74.5	77.9	82.2	84.5	87.4	86.3	85.8	84.8	84.1	79.5	87.4	67.0
16	85.1	85.3	85.7	88.0	87.9	88.0	88.2	87.9	86.7	85.2	80.0	75.2	76.0	81.0	70.0	70.4	68.7	68.1	71.1	77.5	80.3	79.4	82.0	81.4	80.4	88.2	68.1
17	79.7	79.6	80.0	80.2	79.8	79.7	79.9	80.0	79.5	77.8	70.3	65.5	58.7	58.4	55.1	58.5	77.8	81.9	81.8	80.9	79.5	80.2	81.1	81.5	75.3	81.9	55.1
18	82.9	84.3	84.5	84.0	85.8	86.5	86.2	86.1	87.2	85.0	83.1	80.7	75.2	77.2	78.3	82.2	82.9	81.7	86.2	88.6	88.5	83.2	83.6	82.4	83.6	88.6	75.2
19	79.4	76.6	78.0	76.6	73.6	72.9	82.6	82.6	88.2	90.9	87.5	86.0	86.3	86.6	88.0	89.7	91.1	91.6	92.6	92.0	92.2	91.9	92.2	91.6	85.9	92.6	72.9
20	89.7	89.1	87.3	85.0	82.4	81.1	83.6	83.3	83.1	84.8	81.8	79.8	72.2	67.4	64.1	68.2	80.4	85.2	85.2	85.0	84.6	83.6	85.3	86.4	81.6	89.7	64.1
21	83.3	81.7	83.5	84.5	81.6	83.5	82.9	85.9	86.0	80.0	76.5	74.3	61.0	62.2	67.5	78.1	88.7	88.5	87.3	87.3	89.5	88.6	88.9	88.8	81.7	89.5	61.0
22	89.5	89.5	89.4	89.4	89.6	88.7	81.5	78.8	75.5	73.8	75.3	72.4	73.2	73.8	69.7	68.7	72.5	74.8	72.2	74.9	77.6	77.8	76.7	81.7	78.6	89.6	68.7
23	79.4	80.0	79.9	81.3	84.8	84.5	82.0	80.1	78.5	77.5	80.4	81.5	78.0	65.1	65.9	74.6	84.8	86.2	86.5	86.0	85.9	85.3	85.2	85.2	80.8	86.5	65.1
24	85.2	84.6	84.7	85.0	85.0	84.7	84.9	84.4	84.5	83.0	79.8	78.9	67.3	63.0	60.3	54.7	64.7	73.9	77.1	78.9	79.6	84.1	83.9	84.0	78.2	85.2	54.7
25	82.5	82.0	81.8	82.6	82.5	82.0	82.0	81.4	81.6	80.0	73.6	69.8	74.3	79.4	75.3	76.2	81.2	83.2	81.6	78.5	77.8	76.0	75.9	74.7	79.0	83.2	69.8
26	74.9	74.5	73.9	74.6	73.8	73.7	73.2	73.0	72.2	73.3	75.0	76.5	77.6	64.0	61.9	59.5	65.9	77.6	82.0	80.7	79.4	77.2	76.9	75.5	73.6	82.0	59.5
27	76.2	76.5	77.3	76.8	78.6	79.2	78.7	79.1	79.3	79.5	81.6	82.6	83.1	82.7	76.2	67.1	66.1	71.3	78.3	81.5	84.8	85.1	83.3	83.4	78.7	85.1	66.1
28	84.0	84.4	84.2	83.9	84.6	85.1	85.8	84.7	84.6	83.8	82.0	78.8	64.2	74.0	79.3	78.9	80.5	79.0	78.2	79.3	82.2	81.5	81.4	81.4	81.1	85.8	64.2
29	80.7	80.7	80.9	81.1	80.7	82.2	82.8	82.9	82.8	80.4	75.1	69.9	74.1	78.3	80.1	80.1	82.2	82.7	83.6	83.8	84.2	84.3	84.3	84.3	80.9	84.3	69.9
30	84.1	83.0	82.1	81.8	81.3	80.8	80.5	80.8	81.1	78.7	74.2	73.5	69.9	74.8	74.5	75.2	79.5	82.4	83.9	85.0	85.8	85.4	83.9	83.2	80.2	85.8	69.9
31	82.0	83.0	82.5	83.5	84.2	84.7	84.8	86.5	85.3	82.2	80.3	70.1	65.6	63.7	62.2	63.1	71.1	76.5	78.6	84.7	84.2	83.2	81.0	80.3	78.5	86.5	62.2
Avg	78.6	78.4	78.4	77.8	78.4	78.2	78.3	77.8	77.1	75.1	71.9	69.0	65.9	65.4	66.0	67.5	71.9	75.5	77.1	78.4	79.1	78.6	78.7	78.4	75.1	86.5	58.7
Max	94.9	94.8	94.7	94.4	94.0	89.5	88.2	88.3	88.6	90.9	87.5	86.0	91.6	92.7	92.4	90.9	91.1	92.3	92.6	92.8	92.2	92.5	93.8	94.5	85.9	94.9	75.2
Min	45.2	43.1	40.6	39.1	40.2	39.9	37.9	36.8	40.7	36.2	35.3	36.7	37.1	39.8	39.1	44.3	44.7	50.4	54.6	58.2	58.5	55.1	51.3	43.4	45.3	60.4	35.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
October 2015

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.030	0.060	0.030
2	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.010	0.010	0.010	0.010	0.010	0.000	0.070	0.020
8	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.020
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.000	0.020	0.010	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.020
Tot	0.030	0.030	0.010	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.010	0.020	0.000	0.010	0.010	0.010	0.010	0.040	0.030	0.240	0.000
Max	0.020	0.020	0.010	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.010	0.020	0.000	0.010	0.010	0.010	0.010	0.030	0.030	0.070	0.030

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
November 2015

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.030	0.100	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.160	0.100
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.010
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.030	0.030	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.030
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.030	0.020	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.030
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.030
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.020	0.010	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.070	0.020
18	0.000	0.010	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.020
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.030	0.110	0.040	0.010	0.010	0.000	0.000	0.000	0.000	0.010	0.070	0.070	0.100	0.120	0.080	0.040	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.700	0.000
Max	0.030	0.100	0.020	0.010	0.010	0.000	0.000	0.000	0.000	0.010	0.030	0.020	0.030	0.030	0.030	0.020	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.160	0.100

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
December 2015

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.020	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.030
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Au	Au	Au	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.010	0.010	0.060	0.040
8	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.020	0.050	0.030	0.020	0.030	0.010	0.010	0.000	0.000	0.000	0.000	0.210	0.050
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.020	0.040	0.080	0.040
14	0.030	0.030	0.020	0.030	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.140	0.030
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.010	0.010	0.030	0.030	0.010	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.120	0.030
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.020	0.010	0.020	0.010	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.110	0.020
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.010	0.010	0.000	0.000	0.000	0.050	0.010
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.030	0.040	0.040	0.040	0.060	0.030	0.010	0.010	0.020	0.020	0.000	0.040	0.070	0.060	0.080	0.050	0.040	0.050	0.030	0.020	0.020	0.050	0.030	0.050	0.890	0.000
Max	0.030	0.030	0.020	0.030	0.030	0.030	0.010	0.010	0.010	0.010	0.000	0.020	0.030	0.020	0.050	0.030	0.020	0.030	0.010	0.010	0.010	0.040	0.020	0.040	0.210	0.050

APPENDIX B: PERFORMANCE AUDIT REPORTS FOURTH QUARTER 2015

BISON
ENGINEERING, INC.

PRELIMINARY METEOROLOGICAL AUDIT REPORT

Client : Tintina Resources
SITE : Black Butte DATE : 12/04/15

Audit Start Time : 10:30 MST Audit End Time : 12:10 MST

Temperature

Audit Device : Control Company Digital Thermometer
Model Number : 4000 Serial Number : 140251289
Last certified : 04/10/15
Sensor Make : Climatronics
Model Number : 100093 Serial Number Upper: P12535 Serial Number Lower: P12535

Temperature bath results as is

Audit Value oC	9m DAS Value oC	9m DAS Diff. oC	2m DAS Value oC	2m DAS Diff. oC	9m - 2m DAS Diff. oC
-9.95	-9.80	0.15	-9.80	0.15	0.00
19.71	19.50	-0.21	19.70	-0.01	0.20
49.21	49.10	-0.11	49.30	0.09	0.20

Wind Direction

Alignment Audit Device : Nextar
Model Number : X3-T
Linearity Audit Device : Climatronics
Model Number : 101966 Serial Number : 72
Sensor height : 10 Meter
Sensor Make : Climatronics
Model Number : 102083 Serial Number : 1849

Crossarm Orientation : N-S
Magnetic Declination : 12
Measured Degrees : 2.1
Sensor response aligned with crossarm (as found) : 0.9
Sensor response aligned with crossarm (as left) : 0.9

Linearity Check from DAS (as found)

Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	0.6	0.6	0.6	0.6
30	34.2	33.1	4.2	3.1
60	63.4	62.2	3.4	2.2
90	93.3	91.7	3.3	1.7
120	123.0	123.2	3.0	3.2
150	152.4	152.1	2.4	2.1
180	182.4	182.1	2.4	2.1
210	211.3	211.4	1.3	1.4
240	241.7	241.4	1.7	1.4
270	271.1	271.1	1.1	1.1
300	301.4	299.5	1.4	-0.5
330	331.2	331.1	1.2	1.1
		Max Diff	4.2	3.1

Linearity Check from DAS (as left)

Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	0.9	0.9	0.9	0.9
90	92	92	2.0	2.0
180	181	181	1.0	1.0
270	271	271	1.0	1.0
		Max Diff	2.0	2.0

Wind Speed

Audit Device : RMYoung
Model Number : 18811 Serial Number : CA02929
Last certified : NA
Sensor height : 10 Meter
Sensor Make : Climatronics
Model Number : 102083 Serial Number : 1849

Synchronous motor checks

Known Value RPM	Audit Value MPS	DAS Station Value MPS	DAS Diff. MPS
0	0.2	0.2	0.0
300	6.7	6.7	0.0
600	13.1	13.0	-0.1
950	20.6	20.5	-0.1

Relative Humidity

Audit Device : Taylor Hygometer
Model Number : 5522 Serial Number : 66978
Last certified : NA
Sensor height : 10 Meter
Sensor Make : Met One
Model Number : 083E-0-35 Serial Number : P18245

Audit Dry-Bulb: oC	Audit Wet-Bulb oC	Audit Audit RH %RH	Audit Station RH %RH	Audit Diff %RH
42.0	35.0	48.0	47.6	-0.4

Barometric Pressure

Audit Device : Delta Cal
Model Number : Delta Cal Serial Number : 999
Last certified : 03/19/15
Sensor Make : Climatronics
Model Number : 102663-G0 Serial Number : 42017

Audit Value In Hg	Station Value In Hg	Audit Diff. In Hg
24.00	24.18	0.18

Solar Radiation

Audit Device : Li Cor
Model Number : LI-200 Serial Number : PY82228
Last certified : 05/21/15 uA/m^2 : 98.51
Sensor Make : Met One
Model Number : 096-1 Serial Number : PY69829

Audit Value w/m2	DAS Station Value w/m2	DAS Diff. %
320	315	-1.6

Precipitation

Audit Device : Fisher Scientific
Model Number : S32814A Serial Number : 250 ml
Last certified : NA
Sensor Make : Climatronics
Model Number : 100097-1-G0-H0 Serial Number : N3939
Opening : 8 Inch
Bucket Tip : 0.254 MM
Bucket Tip Volume : 8.24 ML
Level checked : OK
Wind Screen in place : OK

Known Value ML	Known Value Bucket Tips	Station Value Bucket Tips	% Diff
250.0	30	28	-7.7

Signature Site Operator : _____

Signature Auditor : _____

Note: These preliminary results are subject to appropriate changes following verification of audit equipment,procedures,and calculations.

APPENDIX C: EVAPORATION AND PRECIPITATION SUMMARY, FOURTH QUARTER 2015

EVAPORATION AND PRECIPITATION SUMMARY FOR TINTINA SITE

(All values in inches)

DATE	TIME	EVAPORATION AS-FOUND	EVAPORATION AS-LEFT	PRECIPITATION (MANUAL)	PRECIPITATION (AUTOMATED)	TOTAL EVAPORATION	NET EVAPORATION
9/30/2015	1130	1.692	1.692				
10/5/2015	1000	1.316	3.500	0.10	0.07	0.476	0.376
10/7/2015	1430	3.218	3.218	0.00	0.00	0.282	0.282
10/9/2015	1030	3.285	3.285	0.12	0.10	0.053	-0.067
10/12/2015	0900	2.700	2.700	0.00	0.00	0.585	0.585
10/13/2015	0930	2.518	2.518	0.00	0.00	0.182	0.182
10/15/2015	1400	2.230	2.230	0.00	0.00	0.288	0.288
10/19/2015	0900	1.926	1.926	0.01	0.00	0.314	0.304
10/21/2015	1100	1.822	1.822	0.00	0.00	0.104	0.104
10/23/2015	1400	-----	-----	0.00	0.00	-----	-----
10/26/2015	1000	-----	-----	0.00	0.00	-----	-----
10/28/2015	0930	-----	-----	0.00	0.00	-----	-----
10/30/2015	0800	-----	-----	0.00	0.00	-----	-----
			TOTAL	0.23	0.17	2.28	2.05

EVAPORATION AND PRECIPITATION SUMMARY FOR TINTINA SITE

(All values in inches)

DATE	TIME	EVAPORATION AS-FOUND	EVAPORATION AS-LEFT	PRECIPITATION (MANUAL)	PRECIPITATION (AUTOMATED)	TOTAL EVAPORATION	NET EVAPORATION
11/5/2015	1100	-----	-----	0.60	0.27		
11/16/2015	1200	-----	-----	0.53	0.33	-----	-----
11/23/2015	1000	-----	-----	0.05	0.15	-----	-----
11/30/2015	0800	-----	-----	0.03	0.02	-----	-----
			TOTAL	1.21	0.77	-----	-----

EVAPORATION AND PRECIPITATION SUMMARY FOR TINTINA SITE

(All values in inches)

DATE	TIME	EVAPORATION AS-FOUND	EVAPORATION AS-LEFT	PRECIPITATION (MANUAL)	PRECIPITATION (AUTOMATED)	TOTAL EVAPORATION	NET EVAPORATION
12/8/2015	1000	-----	-----	0.08	0.15		
12/11/2015	1400	-----	-----	0.20	0.21	-----	-----
12/15/2015	0800	-----	-----	0.10	0.22		
12/21/2015	1000	-----	-----	0.21	0.25	-----	-----
12/28/2015	1130	-----	-----	0.00	0.06	-----	-----
			TOTAL	0.59	0.89	-----	-----

BISON
ENGINEERING, INC.

1400 11TH AVENUE • HELENA, MT 59601 • 406-442-5768
FAX: 406-449-6653 • E-MAIL: bison@bison-eng.com • www.bison-eng.com

May 23, 2016

Mr. Steven Zehntner
Air, Energy & Pollution Prevention Bureau
Montana Dept. of Environmental Quality
P.O. Box 200901
Helena, MT 59620

Dear Mr. Zehntner:

Enclosed is a copy of the Tintina Resources Inc. (Tintina) quarterly meteorological data report for the first quarter of 2016. Tintina installed a 10 meter meteorological tower at their Black Butte Copper Project site, north of White Sulphur Springs, Montana. The tower started operations on April 30, 2012. The report contains the data from January 1 through March 31, 2016.

Please contact me with any comments or questions you may have on this report. I would be happy to assist you.

Sincerely,
BISON ENGINEERING, INC.

Chris Hiltunen, P.E.
Project Engineer

cc: Bob Jacko – Tintina
Vince Scartozzi – Tintina
Alan Kirk – Geomin Resources

Enclosure

TINTINA RESOURCES, INC.
BLACK BUTTE COPPER PROJECT AMBIENT AIR MONITORING PROGRAM
Quarterly Data Report
First Quarter 2016

Prepared for:

Tintina Resources, Inc.
17 East Main St.
White Sulphur Springs, MT 59645

Prepared by:

Bison Engineering, Inc.
2751 Enterprise Ave., Ste. 2
Billings, MT 59102
(406) 896-1716
http://www.bison-eng.com

May 23, 2016

CERTIFICATION OF DATA INTEGRITY

Bison Engineering, Inc., certifies the data in this report is an accurate summary of the air quality conditions measured at the Black Butte Copper Project air monitoring site. Every effort was made to obtain accurate and representative data and to comply with the procedures set forth in the project-specific *Quality Assurance Project Plan*, the *State of Montana Ambient Air Monitoring Program Quality Assurance Project Plan (April 2013)*, and the Environmental Protection Agency's *Quality Assurance Handbook for Air Pollution Measurement Systems: Volume I, A Field Guide to Environmental Quality Assurance (April 1994), Volume II, Ambient Air Quality Program (May 2013), and Volume IV, Meteorological Measurements (March 2008).*

Preparer: Jeffrey S. Bell

Signature: Jeff S Bell

Title: Senior Field Technician

Date: 5/16/2016

Reviewer: Steven R. Heck

Signature: Steven R Heck

Title: Meteorologist

Date: 5-16-16

TABLE OF CONTENTS

CERTIFICATION OF DATA INTEGRITY ii

1.0 INTRODUCTION 1

2.0 MONITORING SYSTEM OPERATIONS 3

3.0 CALIBRATION DATA 4

4.0 PERFORMANCE AUDIT DATA 5

5.0 DATA COMPLETENESS 6

6.0 MONITORING DATA 11

LIST OF TABLES

Table 1. Monthly Data Completeness 7
Table 2. Quarterly Data Completeness 10
Table 3. Missing Data Codes 12
Table 4. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 13
Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 14
Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 15
Table 7. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower 16

LIST OF FIGURES

Figure 1. Monitoring Site Location 2
Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower 17
Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower 18
Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower 19
Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower 20

APPENDICES

Appendix A: Meteorological Data
Appendix B: Performance Audit Reports

1.0 INTRODUCTION

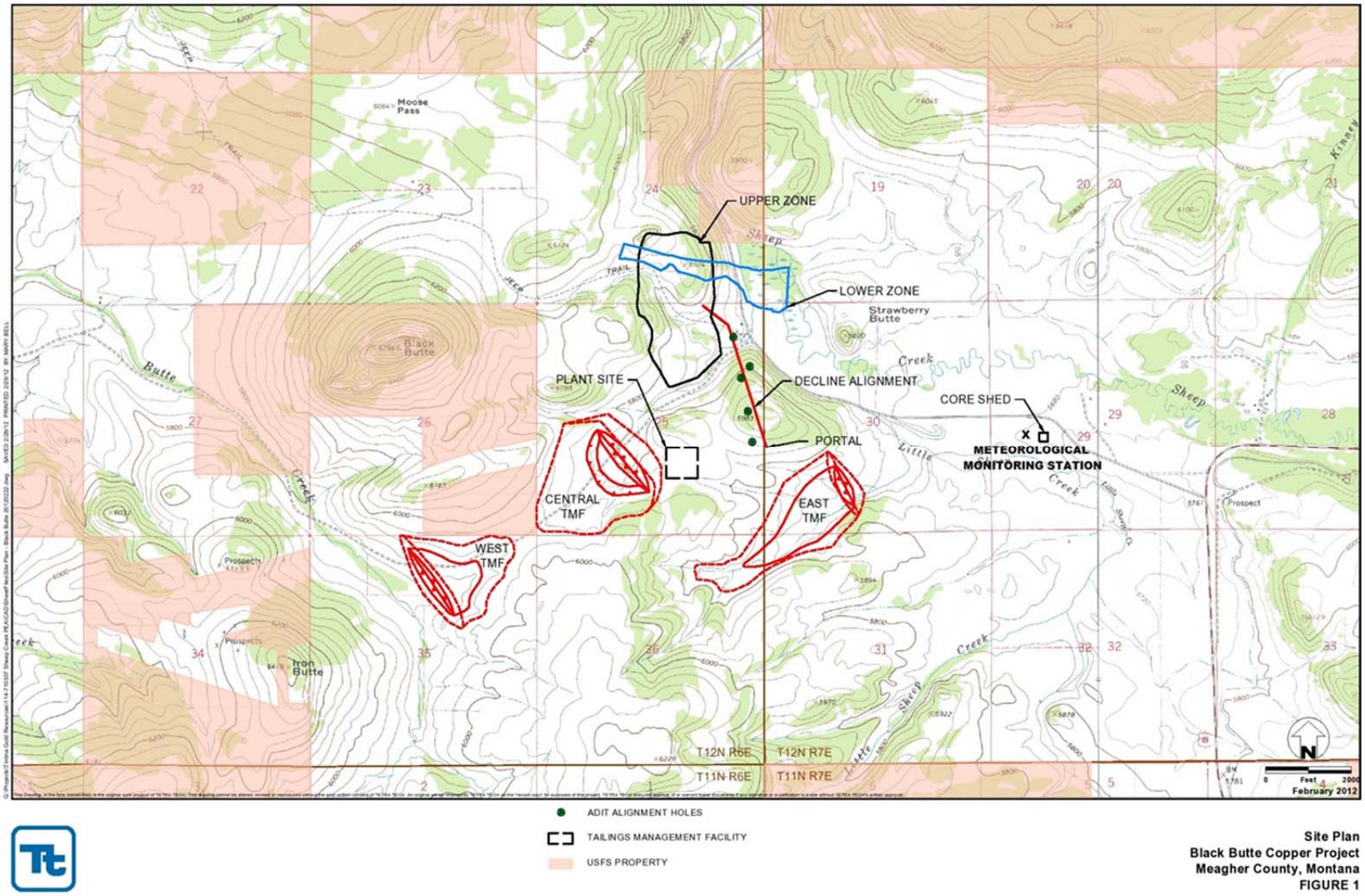
Tintina Resources, Inc. established an ambient air monitoring site to measure wind speed, wind direction, standard deviation of wind direction, temperature at 9 meters and 2 meters, delta temperature, solar radiation, barometric pressure, and precipitation. The station was established to accurately characterize the local meteorology and collect baseline data in support of an operating permit application and various environmental studies.

The meteorological monitoring system was installed in April 2012. The site is operated by Bison Engineering, Inc., of Helena and Billings. Figure 1 shows the location of the monitoring site.

This report presents the data collected during the first quarter (January through March) of 2016. In addition, a description of the monitoring system operations is presented, together with summaries of quality assurance activities, including calibrations and performance audits. Tabular summaries of the data completeness achieved and the periods of missing data also are presented. Appendix A presents hourly meteorological data collected.

On June 23, 2015, an evaporation pan and manual precipitation gauge were installed adjacent to the existing meteorological system. The evaporation data will be used for hydrological / water balance studies. No evaporation monitoring was conducted during the first quarter of 2016 due to frequent subfreezing conditions.

Figure 1. Monitoring Site Location



2.0 MONITORING SYSTEM OPERATIONS

The installation of the monitoring meteorological system equipment took place in April 2012, soon after the equipment was received from the manufacturers. The installation and calibration of the equipment required about two weeks to complete. All meteorological parameters were in full operation and producing valid data by April 30, 2012.

Steve Heck of Bison conducted performance audits of the meteorological system on February 17, 2016, and made any necessary calibration adjustments to the meteorological system following the audits. The Bison report of the audits is presented in Appendix B.

The evaporation pan was not operated during the first quarter of 2016 due to frequent sub-freezing temperatures.

3.0 CALIBRATION DATA

As discussed in Section 4.0, the system's as-found condition was audited on February 17, 2016, and found to be satisfactory. However, a slight calibration adjustment was made to the wind direction sensor's potentiometer orientation. The audit results (including the calibration adjustment) are presented in Appendix B.

4.0 PERFORMANCE AUDIT DATA

Steve Heck of Bison conducted performance audits of the meteorological system on February 17, 2016, and made any necessary calibration adjustments to the meteorological system following the audits. The Bison report of the audits is presented in Appendix B.

5.0 DATA COMPLETENESS

The meteorological percentages of data recovery achieved during the first quarter of 2016 are given in Tables 1 and 2. In these tables, the number of possible data values during each month of the quarter is given, together with the number of valid readings and the number of hours spent on quality assurance activities (such as calibrations, performance audits, and maintenance on the sensors). The quality assurance hours are added to the number of hours of valid data to compute the net percentage data recovery.

During the first quarter the net percentage data recovery was 100.0 percent for all parameters at the site.

Table 1. Monthly Data Completeness

January 2016					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	744	100.0	0	100.0
Wind Direction	744	744	100.0	0	100.0
Standard Deviation	744	744	100.0	0	100.0
Temperature 9 Meters	744	744	100.0	0	100.0
Temperature 2 Meters	744	744	100.0	0	100.0
Temperature Delta T	744	744	100.0	0	100.0
Solar Radiation	744	744	100.0	0	100.0
Barometric Pressure	744	744	100.0	0	100.0
Relative Humidity	744	744	100.0	0	100.0
Precipitation	744	744	100.0	0	100.0
Total	7,440	7,440	100.0	0	100.0

Table 1. Monthly Data Completeness (Continued)

February 2016					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	696	691	99.3	5	100.0
Wind Direction	696	691	99.3	5	100.0
Standard Deviation	696	691	99.3	5	100.0
Temperature 9 Meters	696	691	99.3	5	100.0
Temperature 2 Meters	696	691	99.3	5	100.0
Temperature Delta T	696	691	99.3	5	100.0
Solar Radiation	696	691	99.3	5	100.0
Barometric Pressure	696	691	99.3	5	100.0
Relative Humidity	696	691	99.3	5	100.0
Precipitation	696	691	99.3	5	100.0
Total	6,960	6,910	99.3	50	100.0

Table 1. Monthly Data Completeness (Continued)

March 2016					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	743	99.9	0	99.9
Wind Direction	744	743	99.9	0	99.9
Standard Deviation	744	743	99.9	0	99.9
Temperature 9 Meters	744	743	99.9	0	99.9
Temperature 2 Meters	744	743	99.9	0	99.9
Temperature Delta T	744	743	99.9	0	99.9
Solar Radiation	744	743	99.9	0	99.9
Barometric Pressure	744	743	99.9	0	99.9
Relative Humidity	744	743	99.9	0	99.9
Precipitation	744	743	99.9	0	99.9
Total	7,440	7,430	99.9	0	99.9

Table 2. Quarterly Data Completeness

First Quarter 2016					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	2,184	2,178	99.7	5	100.0
Wind Direction	2,184	2,178	99.7	5	100.0
Standard Deviation	2,184	2,178	99.7	5	100.0
Temperature 9 Meters	2,184	2,178	99.7	5	100.0
Temperature 2 Meters	2,184	2,178	99.7	5	100.0
Temperature Delta T	2,184	2,178	99.7	5	100.0
Solar Radiation	2,184	2,178	99.7	5	100.0
Barometric Pressure	2,184	2,178	99.7	5	100.0
Relative Humidity	2,184	2,178	99.7	5	100.0
Precipitation	2,184	2,178	99.7	5	100.0
Total	21,840	21,780	99.7	50	100.0

6.0 MONITORING DATA

The hourly data values collected at the monitoring sites are given in the data tables in Appendix A. Each of these tables presents one month's data for one parameter in the monitoring system. In addition, the average, maximum, and minimum values for each parameter for each day are listed (for wind direction, the prevailing wind direction for the day is given). For those hours with missing data, a code is given that explains the reason the data were missing. These codes are given in Table 3.

There were several periods during the quarter when precipitation readings likely reflected drifting of snow into the tipping-bucket rain gauge, and not actual precipitation events. Those readings were set to zero. Affected periods included:

- January 20, hours 12-24
- January 22, hours 19-21
- January 29, hours 6-24
- January 30, hours 1-17
- February 14, hours 2, 6-12 and 14

Monthly and quarterly wind rose distributions from the monitoring site are presented in Tables 4 through 7. These tables give the percentage frequency of occurrence of winds from 16 cardinal directions and from 22 wind speed ranges. These same data are presented graphically in Figures 2 through 5. In the wind rose figures, the length of each "petal" of the rose is proportional to the percentage of time the wind blew from that direction. On the bottom of each figure is a histogram showing the average wind speed from each of the cardinal wind directions.

The evaporation pan was not operated during the first quarter of 2016 due to frequent subfreezing conditions. Evaporation monitoring is expected to resume in May 2016 when subfreezing nighttime temperatures become less frequent.

Table 3. Missing Data Codes

Mnemonic Code	Description	Equivalent EPA Null Value Reason Code
Sc	Scheduled but not collected	9972
Ti	Sample time out of limits	9973
Fi	Filter damage	9976
Op	Voided by operator	9978
ND	Machine malfunction	9980
Wx	Bad weather	9981
Co	Collection error	9983
Lb	Lab error	9984
QA	Poor quality assurance results	9985
Pwr	Power failure	9988
Wi	Wildlife damage	9989
AZ	Automatic zero/span check	9991
ZS	Manual zero/span check	9986
Au	Performance audit	9992
Ma	Routine maintenance/repairs	9993
Ca	Multipoint calibration	9995
PZ	Precision/zero/span	9998

Table 4. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

January 2016																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.3	1.3	2.0	2.6	3.9	2.8	3.9	4.7	2.0	0.9	0.1	0.0	0.4	1.1	0.8	1.3	29.3
	1.1 - 2.0	0.5	0.8	0.5	2.3	3.2	5.4	4.4	4.2	0.8	0.5	0.5	1.2	1.2	1.1	0.8	0.9	28.5
	2.1 - 3.0	0.3	0.0	0.3	1.1	1.5	2.2	2.7	1.5	0.3	0.1	0.1	0.5	1.9	1.6	1.3	0.0	15.3
	3.1 - 4.0	0.0	0.0	0.0	0.4	0.5	0.7	0.7	0.5	0.4	0.3	0.3	0.3	2.2	1.7	0.7	0.1	8.7
	4.1 - 5.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.4	0.4	0.1	0.1	0.4	3.0	1.9	0.4	0.0	7.9
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	2.8	0.8	0.1	0.0	4.7
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3	0.5	0.1	0.0	2.2
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.2	0.4	0.0	0.0	1.9
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.0	0.0	0.5
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.3
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	2.2	2.2	2.8	6.3	10.3	11.0	11.7	11.3	3.9	2.0	1.6	3.4	15.1	9.5	4.3	2.4	100.0
	Average Speed	1.0	0.9	1.1	1.5	1.8	1.6	1.6	1.4	1.7	1.6	3.3	3.4	4.7	3.9	2.5	1.1	2.4

Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

February 2016																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.6	1.9	1.6	1.2	1.7	2.6	2.6	1.9	1.4	0.6	0.3	0.1	0.3	0.6	0.9	0.4	18.7
	1.1 - 2.0	0.3	1.2	1.4	3.0	3.2	6.8	3.5	2.7	0.7	0.1	0.4	0.6	0.6	1.0	0.6	0.3	26.5
	2.1 - 3.0	0.0	0.0	0.3	1.2	2.7	1.0	0.6	0.0	0.0	0.1	0.3	0.9	1.2	1.2	0.3	0.1	9.8
	3.1 - 4.0	0.0	0.0	0.0	0.0	0.4	0.6	0.1	0.3	0.0	0.3	0.0	1.4	1.4	1.6	0.4	0.0	6.7
	4.1 - 5.0	0.0	0.0	0.0	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.3	1.2	4.8	0.6	0.9	0.0	8.5
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.4	0.3	3.8	1.9	0.0	0.0	6.9
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.4	3.8	1.4	0.6	0.0	6.5
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	5.2	1.3	0.1	0.0	6.9
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	3.9	0.4	0.0	0.0	4.9
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.6	0.6	0.0	0.0	2.5
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.9
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.6
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	0.9	3.0	3.3	5.4	8.8	11.1	6.8	5.1	2.3	1.6	2.3	5.6	28.1	11.0	3.8	0.9	100.0
	Average Speed	0.9	1.0	1.2	1.6	2.0	1.5	1.3	1.5	1.2	2.9	4.2	4.4	6.6	5.2	3.4	1.1	3.6

Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

March 2016																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.8	0.5	0.4	0.9	0.8	1.2	0.9	0.4	0.7	0.0	0.4	0.0	0.4	0.5	0.3	0.8	9.2
	1.1 - 2.0	0.5	0.8	0.7	1.9	2.6	4.0	4.2	2.2	0.8	0.5	0.7	0.7	0.5	1.2	1.5	1.2	24.0
	2.1 - 3.0	0.3	0.1	0.1	1.7	5.0	1.6	2.2	0.8	0.4	0.3	0.1	0.8	0.9	1.3	1.2	0.4	17.4
	3.1 - 4.0	0.7	0.4	0.0	1.1	1.9	0.4	0.3	0.3	0.0	0.5	0.4	0.7	2.6	3.2	1.5	0.7	14.5
	4.1 - 5.0	0.7	0.0	0.0	0.3	0.1	0.0	0.4	0.7	0.3	0.8	0.8	1.2	2.3	2.2	1.6	0.4	11.7
	5.1 - 6.0	0.4	0.3	0.0	0.0	0.1	0.0	0.1	0.1	0.5	0.8	0.5	0.1	2.8	2.0	0.7	0.7	9.3
	6.1 - 7.0	0.5	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.9	0.4	0.1	3.1	0.8	0.7	0.4	7.3
	7.1 - 8.0	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.1	2.2	0.4	0.4	0.1	4.0
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.0	0.7	0.1	0.0	0.0	1.2
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.7	0.1	0.0	0.0	1.2
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	4.2	2.2	1.2	5.9	10.5	7.5	8.3	4.4	3.0	4.0	3.9	3.9	16.4	12.0	7.8	4.7	100.0
	Average Speed	3.7	2.2	1.3	2.2	2.4	1.9	2.2	2.3	3.2	4.6	4.4	3.8	5.5	4.0	3.8	3.2	3.5

Table 7. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower

First Quarter 2016																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.9	1.2	1.3	1.6	2.2	2.2	2.5	2.3	1.4	0.5	0.3	0.0	0.4	0.7	0.6	0.9	19.1
	1.1 - 2.0	0.5	0.9	0.9	2.4	3.0	5.4	4.0	3.0	0.8	0.4	0.6	0.8	0.8	1.1	1.0	0.8	26.3
	2.1 - 3.0	0.2	0.0	0.2	1.3	3.1	1.6	1.8	0.8	0.2	0.2	0.2	0.7	1.3	1.4	1.0	0.2	14.3
	3.1 - 4.0	0.2	0.1	0.0	0.5	1.0	0.6	0.4	0.4	0.1	0.4	0.2	0.8	2.1	2.2	0.9	0.3	10.1
	4.1 - 5.0	0.2	0.0	0.0	0.1	0.7	0.0	0.1	0.4	0.2	0.3	0.4	0.9	3.3	1.6	1.0	0.1	9.4
	5.1 - 6.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.4	0.4	3.1	1.6	0.3	0.2	7.0
	6.1 - 7.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.2	2.7	0.9	0.5	0.1	5.3
	7.1 - 8.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	2.8	0.7	0.2	0.0	4.2
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	1.7	0.2	0.0	0.0	2.2
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.9	0.3	0.0	0.0	1.4
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.5
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	2.4	2.4	2.4	5.9	9.9	9.9	9.0	7.0	3.1	2.6	2.6	4.3	19.7	10.8	5.3	2.7	100.0
	Average Speed	2.6	1.3	1.1	1.8	2.1	1.7	1.7	1.6	2.1	3.5	4.1	4.0	5.8	4.3	3.4	2.3	3.1

Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower

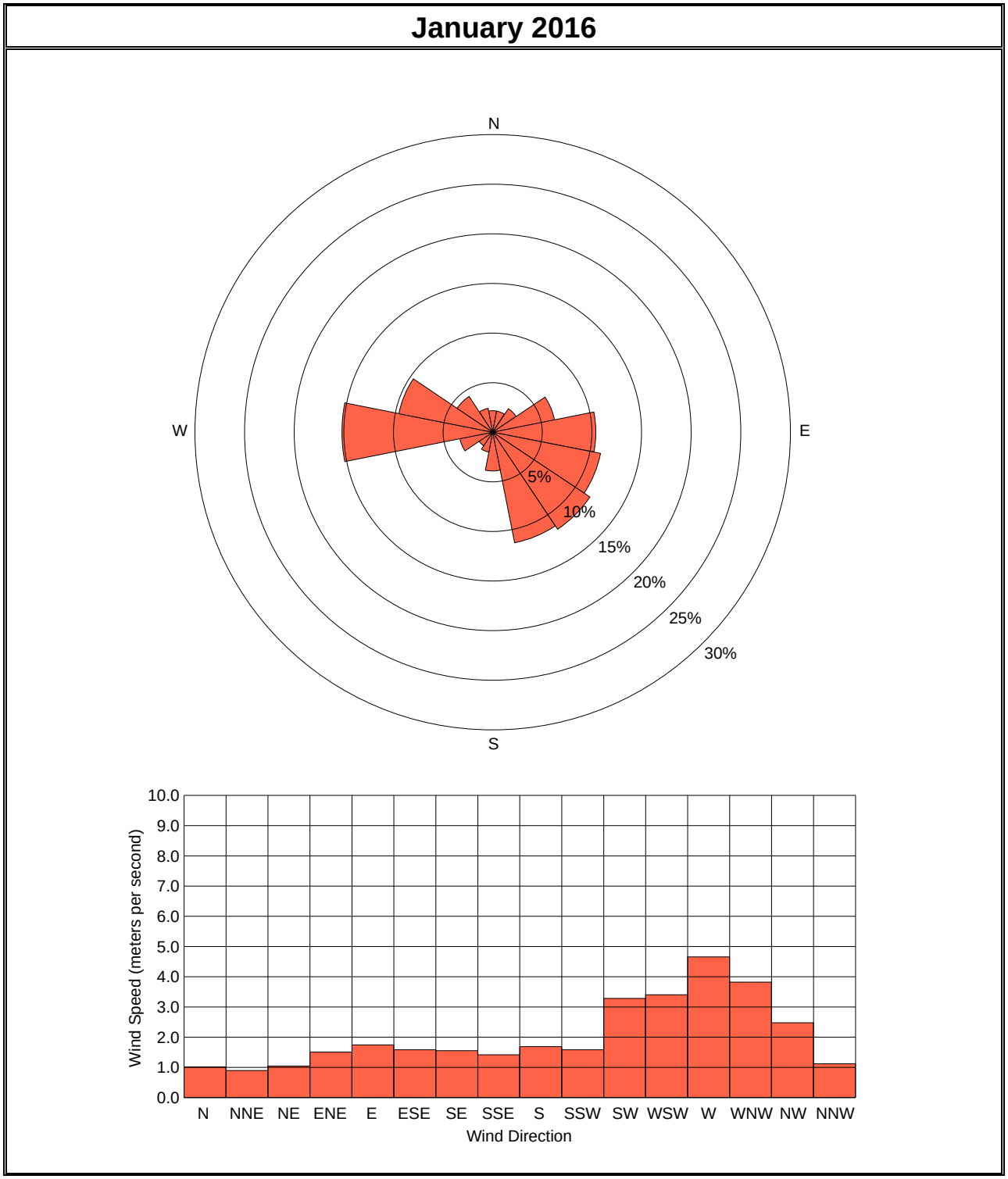


Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower

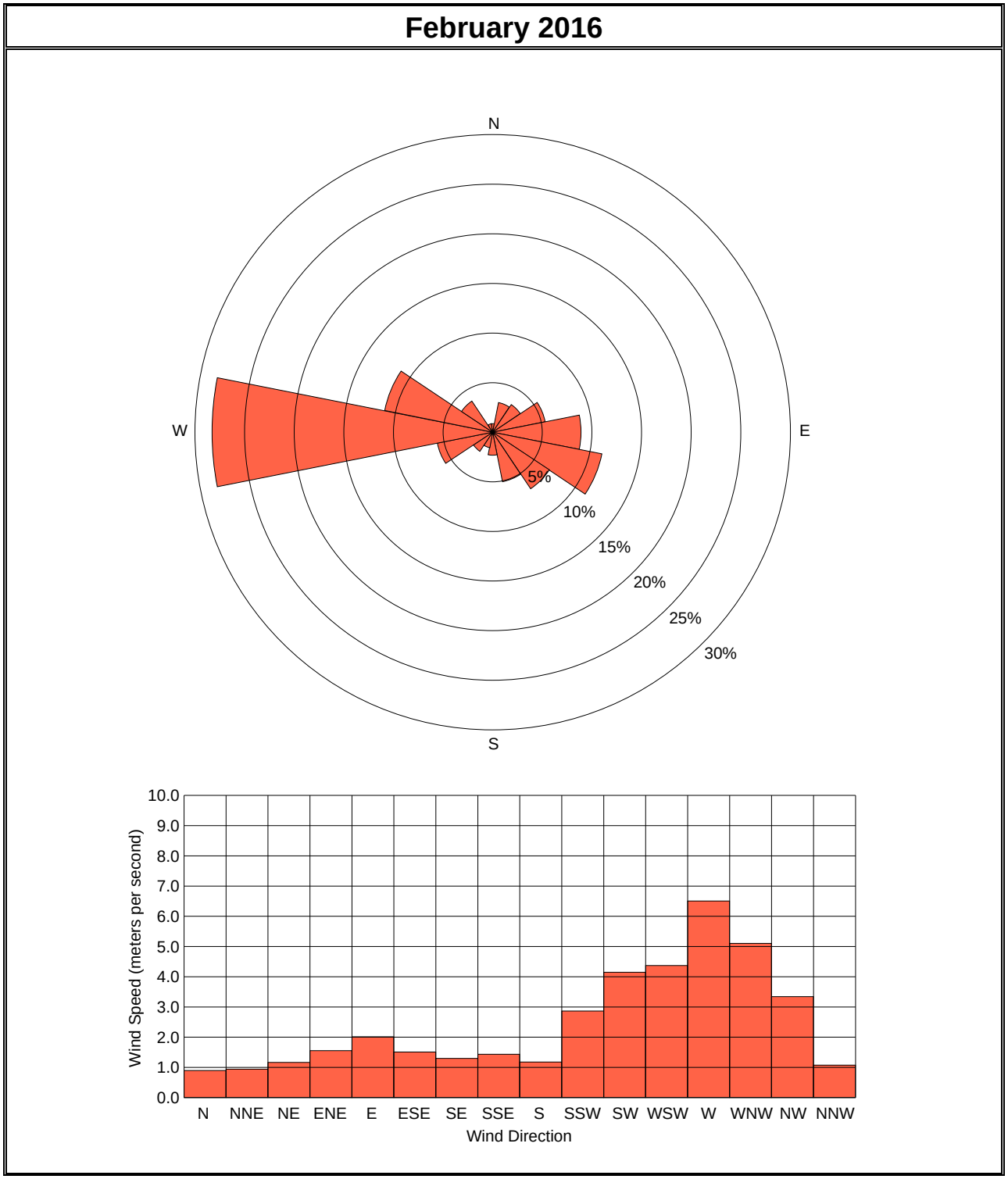


Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower

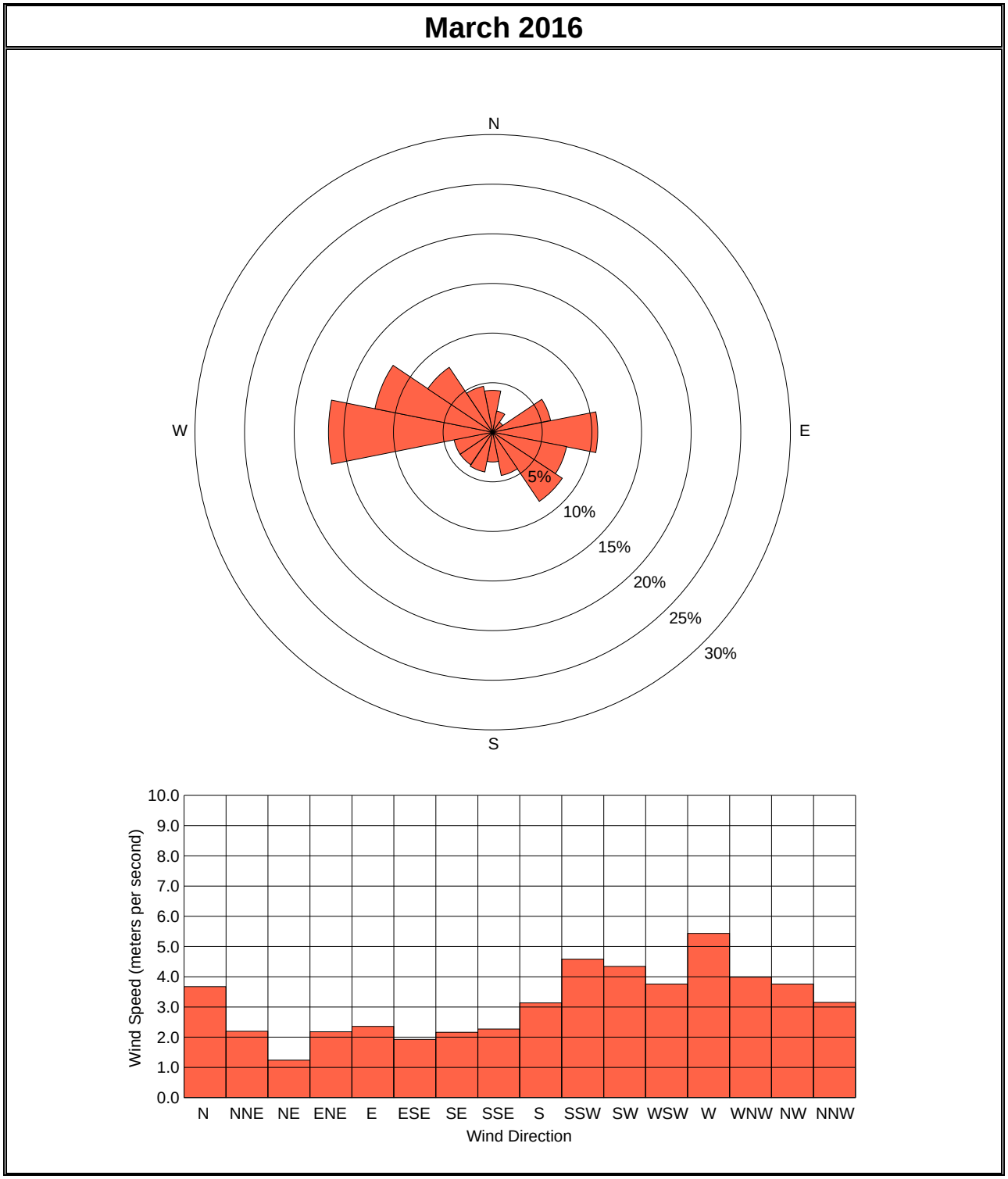
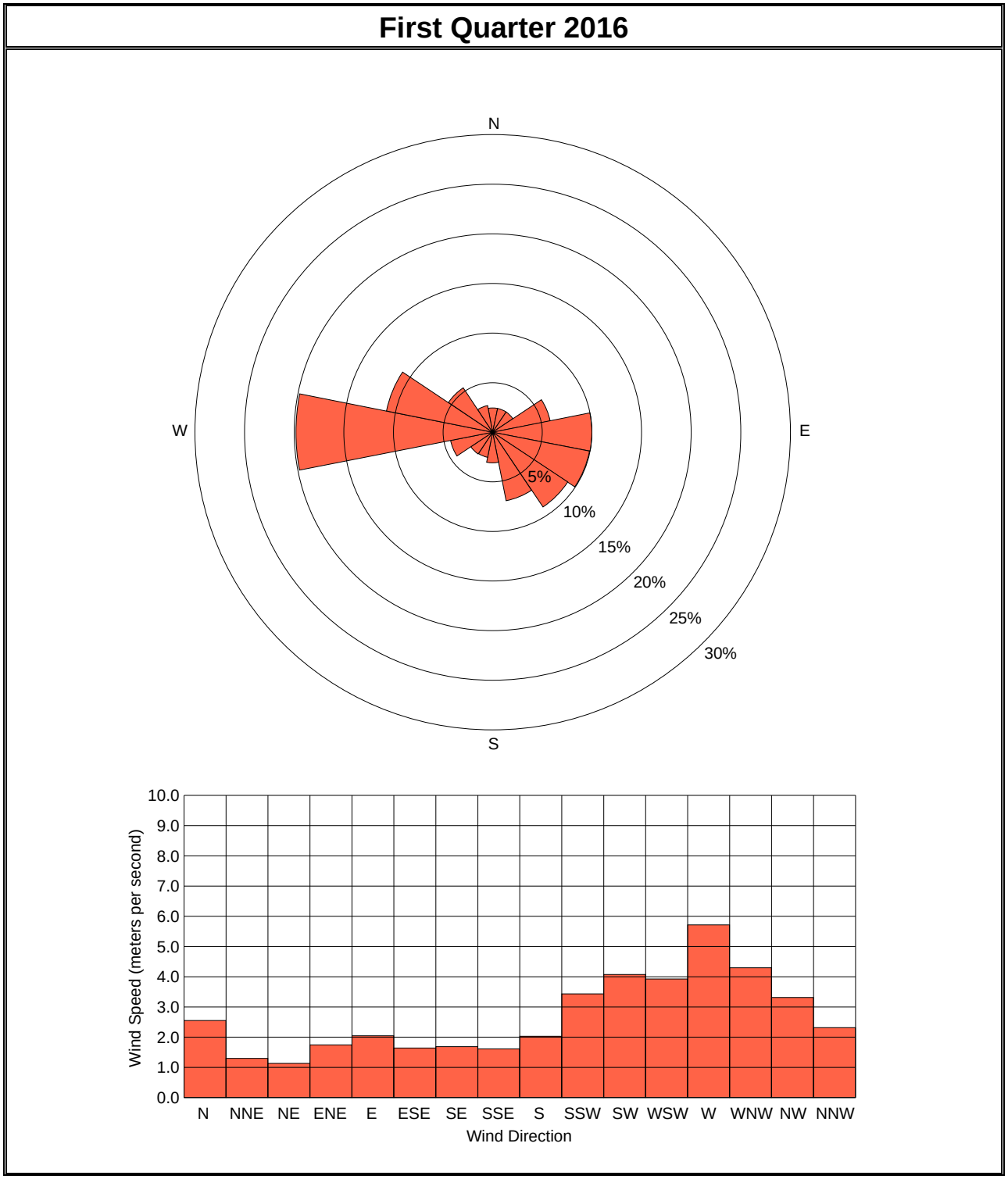


Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower



APPENDIX A: HOURLY AIR QUALITY AND METEOROLOGICAL DATA, FIRST QUARTER 2016

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
January 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.9	0.7	0.6	0.8	0.6	0.8	0.8	1.3	0.6	0.8	0.7	1.4	0.9	0.7	1.1	0.5	0.6	1.2	0.7	0.8	1.0	0.5	0.5	0.5	0.8	1.4	0.5
2	0.6	0.4	0.6	0.5	0.5	0.5	0.5	0.3	0.2	0.3	0.5	0.7	1.1	1.7	1.1	1.3	0.9	1.2	1.0	0.8	1.2	1.0	0.8	1.0	0.8	1.7	0.2
3	1.0	0.7	0.8	0.9	1.1	0.8	0.7	0.7	1.0	0.7	0.8	0.9	1.0	1.1	1.9	2.6	4.2	4.7	3.4	2.1	2.4	1.6	2.2	2.0	1.6	4.7	0.7
4	2.7	3.3	3.9	2.8	2.0	1.7	1.8	1.6	2.3	1.8	1.3	0.6	0.6	1.0	0.8	0.9	1.6	2.0	2.3	2.2	2.0	1.8	1.5	1.2	1.8	3.9	0.6
5	0.9	1.2	1.5	1.2	0.6	1.2	1.7	1.3	1.8	1.4	1.3	2.7	3.9	2.3	2.5	2.4	1.6	1.5	1.6	1.3	1.4	1.2	1.4	1.0	1.6	3.9	0.6
6	0.9	1.3	1.1	1.3	1.0	0.8	0.9	0.5	0.4	0.6	0.3	0.4	0.3	0.3	0.3	0.5	0.4	0.8	0.8	1.2	1.0	1.1	0.8	0.7	0.7	1.3	0.3
7	1.3	0.6	0.8	1.1	2.2	3.9	1.7	2.8	2.0	2.7	2.8	2.4	2.1	2.7	3.6	3.2	3.1	2.4	2.6	1.9	2.2	1.7	2.0	1.7	2.2	3.9	0.6
8	1.3	0.8	0.9	0.8	0.7	0.9	0.4	0.3	0.2	0.4	0.3	0.4	0.6	1.0	1.6	1.6	0.8	0.6	0.6	0.6	0.7	0.8	0.6	0.6	0.7	1.6	0.2
9	0.6	0.6	0.9	0.4	0.3	0.4	0.6	0.5	0.5	0.6	1.3	2.2	3.7	4.4	3.4	3.3	2.7	2.0	1.7	1.7	0.9	1.4	1.2	1.0	1.5	4.4	0.3
10	1.0	1.4	1.0	0.9	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.7	3.2	4.9	4.6	4.4	3.1	1.5	3.0	2.9	2.7	2.1	1.8	1.5	1.9	4.9	0.5
11	1.5	1.2	1.0	0.9	1.2	0.9	0.6	0.7	0.9	0.6	0.5	0.7	1.6	3.1	3.3	4.2	3.3	2.5	2.4	3.4	3.0	2.5	2.6	2.8	1.9	4.2	0.5
12	4.0	1.9	2.0	2.4	4.3	2.8	4.8	6.9	5.5	7.4	8.8	9.2	8.1	7.8	6.7	7.0	7.0	2.4	2.2	2.3	2.3	2.4	2.3	2.1	4.7	9.2	1.9
13	2.1	1.6	1.2	1.8	1.6	2.0	2.4	1.4	1.2	0.9	1.3	1.6	1.8	3.2	1.9	3.5	5.2	2.4	1.6	4.0	3.8	4.9	5.6	4.3	2.6	5.6	0.9
14	3.1	2.5	4.8	5.8	5.7	5.4	5.6	4.8	5.3	5.5	7.9	5.9	7.0	7.0	5.7	3.8	4.2	3.0	1.8	2.2	2.1	2.7	1.1	0.9	4.3	7.9	0.9
15	1.1	1.3	1.1	0.9	1.1	0.8	0.6	0.6	0.5	0.6	0.5	0.4	0.5	2.9	3.7	2.2	2.1	2.6	3.4	2.0	1.6	1.5	1.1	1.7	1.5	3.7	0.4
16	1.4	1.2	4.5	4.8	4.2	4.3	1.6	0.9	0.7	1.0	0.5	0.8	0.8	0.7	1.0	0.9	1.3	0.6	0.5	0.9	0.7	0.6	0.4	1.0	1.5	4.8	0.4
17	1.4	0.7	0.8	1.2	1.6	1.8	1.1	1.1	2.9	4.2	3.9	4.3	5.4	3.9	2.6	3.1	1.6	2.2	1.4	1.8	2.4	3.4	4.5	4.3	2.6	5.4	0.7
18	4.6	3.1	2.2	2.2	1.2	1.4	1.0	1.3	1.1	1.6	3.1	3.6	5.7	5.9	5.7	5.1	5.0	5.3	3.9	1.1	1.5	1.4	1.2	0.9	2.9	5.9	0.9
19	0.7	0.7	0.6	0.5	0.6	0.8	0.7	1.0	1.4	1.0	1.1	0.8	2.2	4.7	4.5	3.4	4.2	2.8	1.5	3.0	2.9	3.0	3.6	3.8	2.1	4.7	0.5
20	4.2	3.0	2.6	1.6	1.4	0.8	0.6	2.0	6.0	4.1	4.3	4.1	5.4	6.9	7.1	5.4	4.7	4.1	3.2	2.7	4.3	5.3	4.1	4.0	3.8	7.1	0.6
21	1.5	1.2	1.2	1.2	1.2	0.9	1.1	0.8	1.0	1.0	1.3	1.0	0.9	2.8	1.8	2.0	2.3	3.3	4.4	4.1	4.7	2.9	2.4	2.0	2.0	4.7	0.8
22	1.5	2.5	3.4	3.2	3.6	2.6	2.1	2.1	1.3	1.6	1.5	1.5	2.9	2.3	3.6	4.0	2.9	4.8	7.3	6.0	5.2	2.1	1.6	1.5	3.0	7.3	1.3
23	1.7	2.0	3.7	1.9	2.0	1.6	1.6	0.7	1.4	1.1	1.2	0.8	1.0	0.7	1.7	1.6	1.0	1.3	2.8	1.7	1.2	2.2	2.1	2.5	1.6	3.7	0.7
24	1.7	0.6	0.6	1.0	0.8	0.8	0.6	0.7	1.3	1.2	0.7	1.3	5.1	5.6	5.7	4.5	4.1	4.2	4.2	4.5	6.1	5.8	4.4	4.0	2.9	6.1	0.6
25	3.7	3.6	2.9	1.5	0.4	0.5	0.8	1.3	1.2	1.1	0.6	2.2	5.1	5.7	5.6	4.4	3.5	1.2	1.2	1.5	0.9	0.8	0.7	0.7	2.1	5.7	0.4
26	0.7	0.6	0.5	0.9	1.3	0.9	0.9	1.0	1.1	1.2	1.5	1.2	3.9	4.8	3.0	2.0	1.0	2.2	2.7	1.8	1.9	1.6	2.0	2.4	1.7	4.8	0.5
27	1.4	3.1	2.1	2.2	2.3	1.5	2.4	2.3	3.8	4.1	2.2	1.2	4.5	4.0	4.1	6.2	4.0	2.1	1.3	1.9	2.7	1.5	2.0	1.2	2.7	6.2	1.2
28	0.8	1.8	1.1	1.4	1.4	1.3	1.3	0.9	1.6	1.1	1.3	4.3	4.3	3.7	2.7	3.9	4.7	4.4	2.4	2.1	2.9	1.7	5.7	6.5	2.6	6.5	0.8
29	8.3	9.5	10.7	10.4	7.7	8.2	5.6	1.8	1.4	4.7	3.5	2.2	3.4	4.0	4.5	3.4	2.8	2.2	2.5	1.6	3.0	7.0	8.5	10.0	5.3	10.7	1.4
30	7.4	3.7	6.7	7.7	9.8	7.8	4.9	2.8	4.1	5.2	5.1	6.9	7.9	7.9	7.6	7.5	6.2	3.9	1.9	2.3	2.7	3.2	2.0	2.1	5.3	9.8	1.9
31	1.1	0.7	0.8	1.4	2.2	1.7	1.4	1.9	1.0	1.1	0.9	3.4	6.5	7.3	6.5	5.1	4.5	1.4	0.9	1.2	1.6	1.5	1.1	0.7	2.3	7.3	0.7
Avg	2.1	1.9	2.1	2.1	2.1	2.0	1.7	1.5	1.8	1.9	2.0	2.3	3.3	3.7	3.5	3.4	3.1	2.5	2.3	2.2	2.4	2.3	2.3	2.3	2.4	5.3	0.7
Max	8.3	9.5	10.7	10.4	9.8	8.2	5.6	6.9	6.0	7.4	8.8	9.2	8.1	7.9	7.6	7.5	7.0	5.3	7.3	6.0	6.1	7.0	8.5	10.0	5.3	10.7	1.9
Min	0.6	0.4	0.5	0.4	0.3	0.4	0.4	0.3	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.5	0.4	0.6	0.5	0.6	0.7	0.5	0.4	0.5	0.7	1.3	0.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
February 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.6	0.4	1.2	1.6	0.9	0.5	0.6	0.6	0.4	0.6	0.8	0.4	1.1	4.5	1.8	1.8	2.8	2.8	1.5	1.2	1.0	0.7	0.5	0.6	1.2	4.5	0.4
2	1.0	1.0	0.7	0.8	0.8	0.9	0.7	0.9	0.6	0.7	0.6	1.1	1.6	4.4	4.5	1.5	4.8	3.8	1.9	1.6	2.1	0.9	1.5	0.8	1.6	4.8	0.6
3	0.8	0.6	0.4	0.7	0.5	0.6	0.5	0.4	0.6	0.5	0.5	0.9	5.2	5.6	7.3	4.8	4.8	4.7	4.9	2.8	1.4	2.6	1.8	1.2	2.3	7.3	0.4
4	0.6	0.8	1.0	1.0	0.9	1.0	0.9	1.2	2.3	5.7	7.3	7.1	6.8	8.3	9.9	9.3	8.1	7.8	6.4	5.6	3.9	4.1	3.3	2.0	4.4	9.9	0.6
5	0.9	0.8	1.5	1.8	1.4	1.2	1.2	0.9	2.0	1.1	1.8	5.2	6.6	6.2	5.8	5.6	5.0	1.8	1.7	2.3	1.9	2.5	1.9	1.9	2.6	6.6	0.8
6	1.8	4.1	1.9	2.1	2.8	2.7	4.5	8.9	10.1	9.2	14.7	14.3	13.4	10.9	9.7	7.7	8.9	8.0	12.5	11.3	9.2	8.9	7.8	6.8	8.0	14.7	1.8
7	7.3	5.6	3.1	3.5	2.9	2.2	1.6	2.1	1.1	0.5	4.4	7.1	6.1	6.9	6.0	4.5	4.5	6.0	6.0	3.7	1.5	1.4	1.0	1.7	3.8	7.3	0.5
8	1.1	1.7	1.0	0.6	0.6	0.5	0.5	0.7	0.5	0.8	0.6	0.9	0.8	3.0	4.9	5.7	3.9	2.9	1.7	3.0	2.4	1.5	0.8	0.8	1.7	5.7	0.5
9	0.5	0.6	0.6	0.5	0.4	0.5	0.5	0.4	0.7	0.7	0.3	0.4	1.1	1.2	1.0	1.4	0.7	1.6	2.8	2.8	1.9	1.7	1.7	1.7	1.1	2.8	0.3
10	1.1	1.2	0.8	0.7	1.0	0.9	0.7	1.3	1.0	1.4	1.5	1.6	4.3	4.4	4.5	3.8	1.3	1.5	2.0	4.2	1.7	1.3	2.5	4.8	2.1	4.8	0.7
11	3.3	4.5	4.7	5.4	7.1	7.6	6.4	6.8	4.8	6.2	5.2	5.9	6.5	6.0	6.2	4.5	3.7	1.7	1.4	3.0	2.8	2.2	1.3	0.8	4.5	7.6	0.8
12	1.2	0.9	1.1	0.9	0.3	0.4	0.8	1.1	0.6	0.4	0.4	0.7	0.7	0.9	0.8	1.3	1.2	1.0	1.1	2.0	1.6	1.4	1.5	1.3	1.0	2.0	0.3
13	1.4	1.3	1.3	1.1	1.3	3.8	4.5	5.8	10.5	8.0	7.6	7.7	9.7	8.3	8.3	8.4	7.8	7.1	8.3	2.6	1.7	1.8	4.2	4.7	5.3	10.5	1.1
14	4.0	4.3	2.5	3.7	4.3	6.1	6.4	7.7	6.3	6.7	8.3	9.2	10.5	9.4	9.5	9.1	8.8	5.9	6.1	7.4	4.5	4.4	5.2	5.1	6.5	10.5	2.5
15	4.8	4.3	2.9	5.8	6.5	5.0	4.7	5.0	4.9	5.9	6.9	7.0	9.0	11.7	11.2	10.2	7.0	4.5	3.1	1.1	3.0	3.8	0.8	0.2	5.4	11.7	0.2
16	0.2	0.2	0.2	0.7	1.6	1.9	5.4	7.7	5.9	7.1	6.1	7.6	8.1	9.0	6.9	5.0	5.0	3.6	3.2	1.8	2.2	3.1	2.8	4.0	4.1	9.0	0.2
17	2.7	1.2	1.2	1.5	1.5	2.0	1.4	2.4	3.9	3.8	4.8	Au	Au	Au	Au	Au	2.5	2.5	1.8	1.6	2.1	1.4	1.2	2.9	2.2	4.8	1.2
18	1.9	1.9	2.8	3.0	3.3	6.0	4.5	2.5	3.2	5.5	3.4	5.9	6.4	9.5	7.4	8.0	8.4	7.9	6.8	5.9	2.7	5.6	7.2	8.5	5.3	9.5	1.9
19	6.5	6.9	8.0	8.9	9.6	8.6	9.8	8.0	8.3	5.8	4.9	4.6	3.1	2.7	5.3	4.9	5.8	5.6	3.2	1.2	2.3	4.0	2.3	1.5	5.5	9.8	1.2
20	2.0	3.8	7.4	6.1	6.5	5.3	5.3	6.7	6.3	8.8	9.0	7.8	8.9	8.9	8.9	6.9	6.8	7.0	6.5	5.3	4.9	2.7	2.2	1.4	6.1	9.0	1.4
21	2.5	2.8	4.6	4.3	2.9	1.7	1.9	1.4	1.1	0.6	0.5	1.3	2.8	3.2	3.7	5.4	4.8	3.1	1.1	1.3	1.3	2.8	1.5	1.5	2.4	5.4	0.5
22	4.4	7.2	6.9	6.0	8.2	8.4	6.6	6.3	6.4	7.6	7.4	6.4	7.7	6.7	8.0	6.9	6.4	5.1	4.2	1.7	1.3	1.8	2.5	2.2	5.7	8.4	1.3
23	1.8	1.3	1.2	1.7	1.3	1.2	1.5	1.8	0.8	0.7	0.5	1.3	1.2	1.6	2.7	4.0	4.5	5.6	3.7	1.7	2.4	2.8	2.7	2.3	2.1	5.6	0.5
24	2.0	1.7	1.2	0.9	0.8	0.7	0.7	0.8	0.8	0.7	0.6	0.5	1.9	3.6	3.4	3.8	2.6	2.4	1.5	1.5	1.8	1.6	1.0	1.6	1.6	3.8	0.5
25	1.9	1.3	1.3	1.3	1.3	1.1	1.2	1.0	1.3	0.6	0.6	1.0	2.4	3.5	5.1	5.7	5.9	4.7	2.2	3.6	2.7	1.1	1.8	1.7	2.3	5.9	0.6
26	1.4	1.1	0.9	1.2	1.2	1.1	1.3	1.2	1.1	0.8	0.8	0.8	1.3	2.4	2.0	1.2	0.8	1.8	3.6	3.7	4.6	2.1	1.7	1.6	1.7	4.6	0.8
27	1.8	1.9	1.8	2.0	1.1	1.3	1.2	1.2	1.3	0.9	1.4	7.1	8.5	7.7	6.0	7.1	7.8	8.7	8.7	9.3	7.6	5.9	5.4	3.8	4.6	9.3	0.9
28	2.2	1.1	1.5	1.9	1.4	1.1	1.8	1.6	1.2	2.0	5.5	4.6	5.2	4.4	3.0	4.4	3.8	3.9	3.0	2.8	4.5	3.4	3.6	8.9	3.2	8.9	1.1
29	6.7	9.6	7.5	8.9	8.5	8.1	7.7	7.7	7.0	7.9	7.8	10.0	11.0	11.3	9.7	7.7	8.6	7.5	7.3	7.1	3.9	1.7	1.9	1.7	7.4	11.3	1.7
Avg	2.4	2.6	2.5	2.7	2.8	2.8	2.9	3.2	3.3	3.5	3.9	4.6	5.4	5.9	5.8	5.4	5.1	4.5	4.1	3.6	2.9	2.7	2.5	2.7	3.6	7.4	0.9
Max	7.3	9.6	8.0	8.9	9.6	8.6	9.8	8.9	10.5	9.2	14.7	14.3	13.4	11.7	11.2	10.2	8.9	8.7	12.5	11.3	9.2	8.9	7.8	8.9	8.0	14.7	2.5
Min	0.2	0.2	0.2	0.5	0.3	0.4	0.5	0.4	0.4	0.4	0.3	0.4	0.7	0.9	0.8	1.2	0.7	1.0	1.1	1.1	1.0	0.7	0.5	0.2	1.0	2.0	0.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
March 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	2.1	2.5	1.9	2.0	1.5	0.9	0.8	0.8	0.9	0.7	0.6	1.2	3.1	5.2	2.7	2.8	2.8	2.1	3.2	2.5	2.6	1.6	2.0	3.6	2.1	5.2	0.6
2	5.1	3.4	5.1	10.6	6.4	6.2	6.3	5.4	4.7	5.5	9.8	10.2	9.8	9.7	9.8	7.5	7.0	7.4	4.8	2.3	1.4	1.5	1.6	2.4	6.0	10.6	1.4
3	2.4	1.8	1.6	1.7	1.7	2.0	1.5	1.9	1.5	1.0	1.1	1.1	3.2	5.9	7.5	6.8	9.2	7.2	5.8	7.5	7.7	6.0	3.5	1.8	3.8	9.2	1.0
4	1.3	2.8	2.5	2.4	2.8	2.8	2.0	1.4	1.2	0.8	0.5	1.4	2.0	3.4	1.5	3.8	4.0	2.7	1.8	1.7	2.1	1.5	1.0	1.8	2.0	4.0	0.5
5	2.0	1.4	1.8	2.2	2.2	2.1	2.0	1.5	0.9	2.3	4.2	6.8	5.4	6.8	6.8	4.9	5.1	1.7	0.9	1.8	2.3	1.0	2.9	3.0	3.0	6.8	0.9
6	2.2	2.2	2.2	3.7	3.7	2.5	3.9	2.7	2.5	1.3	1.2	4.5	5.2	8.2	5.8	2.9	2.9	5.0	3.1	4.0	3.5	1.6	0.2	0.2	3.1	8.2	0.2
7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	2.7	3.7	2.8	1.8	2.5	4.1	4.1	4.3	2.3	4.0	3.8	3.2	2.5	2.1	1.9	4.3	0.2
8	3.0	3.0	2.5	1.6	1.4	0.5	1.1	0.9	0.4	0.4	3.8	3.4	3.5	5.4	5.3	1.8	1.8	3.2	3.7	1.7	1.4	2.4	3.1	2.5	2.4	5.4	0.4
9	3.4	2.4	2.3	1.2	1.0	0.9	1.1	0.8	0.7	0.6	1.2	2.4	4.8	4.7	4.9	5.4	3.2	2.6	1.8	1.6	1.4	1.0	1.3	2.2	2.2	5.4	0.6
10	2.8	4.1	4.8	5.8	4.7	4.0	2.4	4.7	3.4	5.5	8.9	9.9	9.2	6.5	8.4	6.8	7.3	7.2	6.8	5.9	5.8	6.4	8.0	7.1	6.1	9.9	2.4
11	4.9	1.7	1.9	1.8	3.5	2.9	2.1	1.6	1.2	1.1	1.1	1.1	5.0	6.1	7.2	7.5	6.7	5.8	4.6	2.7	3.3	2.9	1.3	2.4	3.4	7.5	1.1
12	2.8	1.9	1.7	1.7	2.0	1.6	1.4	1.5	1.3	0.9	1.7	6.3	3.5	1.6	5.1	1.4	6.1	5.7	2.9	1.4	1.9	2.6	1.2	2.6	2.5	6.3	0.9
13	4.2	5.0	5.4	4.3	2.1	1.5	1.1	0.6	0.9	1.1	1.7	2.0	3.8	4.2	6.5	4.9	4.1	5.5	4.0	4.7	5.1	5.2	4.3	5.0	3.6	6.5	0.6
14	4.2	4.8	3.0	2.8	6.3	3.6	1.6	Pw	2.9	2.6	3.7	6.2	7.7	5.6	6.8	5.6	4.0	6.5	6.0	5.1	6.0	4.2	2.5	4.2	4.6	7.7	1.6
15	4.4	5.9	5.8	5.3	7.0	5.6	4.8	5.6	5.6	6.4	7.0	7.9	7.8	8.2	9.7	6.9	8.8	8.2	8.6	8.1	6.4	6.1	3.5	3.2	6.5	9.7	3.2
16	3.0	2.6	3.4	2.6	1.0	1.0	1.1	2.0	1.2	4.9	8.8	7.8	8.0	6.9	7.6	7.7	7.7	3.7	2.3	1.9	2.1	1.2	1.1	1.7	3.8	8.8	1.0
17	2.9	2.2	2.6	3.2	2.7	1.6	1.5	1.0	0.9	1.3	3.4	5.4	3.9	3.3	5.4	6.3	6.2	5.5	5.8	4.5	2.4	1.3	1.2	1.4	3.2	6.3	0.9
18	1.0	0.9	4.0	3.8	2.9	3.3	3.7	4.3	4.2	3.5	4.9	4.8	4.7	4.3	4.3	5.1	5.1	5.2	4.5	3.0	2.2	3.9	4.3	4.5	3.9	5.2	0.9
19	3.5	3.7	3.4	3.0	2.5	2.6	2.0	1.9	1.3	0.8	1.0	2.5	2.7	1.6	1.6	1.3	1.4	1.4	2.0	2.1	4.8	3.0	3.0	2.6	2.3	4.8	0.8
20	3.0	3.5	3.6	2.9	2.3	1.8	1.9	1.8	1.2	0.9	0.7	1.0	1.1	1.6	2.2	2.2	3.3	4.3	3.2	2.3	3.2	2.1	1.1	1.4	2.2	4.3	0.7
21	1.5	2.4	2.0	1.5	2.0	1.7	1.5	1.1	4.0	3.4	6.6	7.3	5.3	4.7	6.1	2.3	3.3	4.2	4.5	1.4	2.6	1.4	3.2	1.9	3.2	7.3	1.1
22	2.2	1.7	1.6	1.2	0.9	1.8	1.2	1.5	1.8	2.2	2.5	1.1	3.8	3.6	3.9	3.9	5.5	4.0	4.1	4.3	3.7	3.8	2.5	1.2	2.7	5.5	0.9
23	1.1	0.7	0.6	0.8	0.7	0.7	0.6	0.6	0.7	0.7	1.1	3.6	4.8	4.0	4.4	4.2	6.5	7.3	6.0	6.9	5.3	2.2	1.8	1.6	2.8	7.3	0.6
24	1.5	1.3	1.8	2.3	1.6	3.6	2.8	2.9	2.3	1.5	5.4	3.4	3.6	5.1	4.1	7.0	7.0	6.6	9.3	7.0	6.9	7.6	4.1	4.8	4.3	9.3	1.3
25	4.4	3.6	4.0	3.6	1.9	1.8	2.0	1.3	3.7	5.9	4.8	6.6	5.7	5.8	4.8	5.8	5.6	6.0	5.2	3.3	3.5	3.6	1.9	1.3	4.0	6.6	1.3
26	1.4	1.5	2.5	2.6	3.9	1.8	0.7	0.6	0.6	1.3	4.7	5.3	5.0	6.3	7.2	6.6	7.9	6.9	4.8	2.2	1.7	2.2	3.1	3.4	3.5	7.9	0.6
27	2.8	2.2	1.8	1.9	1.4	2.2	1.2	1.0	1.3	1.1	3.5	4.0	4.3	3.1	3.6	5.0	4.7	4.3	4.7	4.3	1.7	2.2	0.9	1.7	2.7	5.0	0.9
28	4.0	4.2	3.5	2.5	2.1	1.1	1.9	2.0	2.8	3.9	3.3	3.8	4.0	4.2	5.3	4.0	3.1	3.4	3.9	1.5	1.0	1.6	1.7	2.1	3.0	5.3	1.0
29	2.2	4.7	3.7	3.1	3.6	5.9	4.9	4.9	4.2	5.8	7.3	6.9	7.5	7.0	6.1	6.3	4.7	3.2	3.6	2.9	2.0	1.6	1.6	2.3	4.4	7.5	1.6
30	1.9	1.5	2.5	1.2	1.1	0.9	0.8	0.9	2.4	3.3	4.3	4.0	5.7	5.8	6.7	6.1	6.2	6.5	5.2	5.4	4.8	4.2	4.1	4.7	3.8	6.7	0.8
31	2.5	4.3	3.0	2.4	2.0	2.8	1.1	2.2	3.5	4.8	8.0	6.6	5.5	6.7	7.1	5.6	7.2	6.2	4.8	5.1	5.1	4.7	3.2	1.9	4.4	8.0	1.1
Avg	2.7	2.7	2.8	2.8	2.6	2.3	2.0	2.0	2.1	2.4	3.9	4.6	4.9	5.1	5.5	4.9	5.2	5.0	4.3	3.6	3.5	3.0	2.5	2.7	3.5	6.9	1.0
Max	5.1	5.9	5.8	10.6	7.0	6.2	6.3	5.6	5.6	6.4	9.8	10.2	9.8	9.7	9.8	7.7	9.2	8.2	9.3	8.1	7.7	7.6	8.0	7.1	6.5	10.6	3.2
Min	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.5	1.0	1.1	1.6	1.5	1.3	1.4	1.4	0.9	1.4	1.0	1.0	0.2	0.2	1.9	4.0	0.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
January 2016

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	329	17	69	69	143	68	347	83	17	173	9	121	360	74	24	329	44	107	42	79	147	137	133	148	68
2	140	156	81	168	205	168	145	160	150	164	99	186	316	314	156	106	67	139	183	133	139	137	76	112	141
3	167	145	154	136	157	178	102	167	155	146	148	171	162	144	173	116	87	94	108	150	145	147	151	147	144
4	112	127	118	103	131	132	126	105	123	125	153	21	4	163	36	320	96	125	103	121	80	148	158	158	115
5	92	102	109	170	272	162	112	157	95	45	131	182	155	136	169	139	150	155	120	147	145	144	154	157	140
6	141	147	103	103	91	126	92	199	286	144	202	186	69	101	7	151	128	124	46	97	112	120	341	87	116
7	132	300	346	274	315	294	306	298	300	285	294	280	287	265	268	266	260	250	268	272	246	276	249	268	279
8	257	282	210	159	120	132	200	150	304	98	74	151	147	168	270	334	20	32	342	355	116	79	36	164	124
9	8	142	116	183	90	306	117	293	99	150	233	272	267	272	260	259	267	280	290	280	221	161	163	110	228
10	89	69	70	71	68	114	23	24	90	304	35	300	297	268	268	274	298	330	326	72	101	77	75	56	31
11	63	97	54	38	32	85	359	73	334	87	82	55	355	306	305	311	304	323	45	88	89	82	102	75	43
12	77	85	72	308	282	317	270	271	280	275	272	271	269	270	264	272	267	285	132	125	103	113	95	132	270
13	127	103	112	163	149	123	139	58	100	337	154	112	173	128	128	174	231	205	61	215	257	278	244	251	154
14	257	254	274	276	276	281	281	281	281	283	286	284	287	286	284	274	287	302	300	273	260	287	241	58	280
15	106	325	106	124	126	137	105	145	82	114	139	93	17	277	279	265	310	304	296	312	300	324	72	89	68
16	76	334	302	285	266	268	269	97	336	146	9	120	91	348	325	34	67	100	132	111	115	148	200	166	76
17	156	164	1	33	20	346	2	345	313	281	289	278	268	275	288	285	219	91	73	94	124	114	96	96	355
18	87	97	105	91	119	97	82	103	302	23	310	286	263	265	271	270	266	270	264	72	187	141	118	96	119
19	91	55	161	260	153	156	142	140	125	165	155	113	157	191	172	149	153	163	155	143	162	98	93	148	145
20	151	142	134	97	87	294	179	244	294	299	304	304	288	280	281	283	276	288	289	301	284	276	266	273	275
21	192	192	143	159	84	102	139	211	146	171	113	129	294	141	104	120	104	93	90	92	89	128	108	145	129
22	172	142	120	129	132	148	150	136	150	142	164	128	167	158	176	122	98	197	222	247	235	302	70	95	152
23	120	74	127	141	114	70	103	153	129	126	181	188	76	78	102	109	60	99	228	196	138	143	146	158	126
24	243	269	183	174	84	140	175	155	103	117	18	337	276	265	270	269	285	296	289	299	309	312	302	294	269
25	307	302	320	288	25	51	299	209	248	165	314	275	266	266	257	266	268	239	127	110	105	93	71	79	280
26	167	176	8	120	136	81	44	72	79	105	48	333	285	285	290	296	47	89	75	125	117	132	73	151	87
27	225	341	359	72	38	2	58	75	75	89	85	116	277	274	274	277	286	3	58	7	110	118	89	104	45
28	184	142	125	111	150	160	113	161	143	147	94	163	173	152	255	231	256	241	265	259	266	231	237	244	187
29	271	278	283	282	277	275	272	241	270	271	263	260	203	197	222	190	144	120	128	29	299	296	279	272	256
30	286	274	283	281	285	286	295	307	278	278	273	275	266	256	259	267	266	286	291	66	104	75	82	90	284
31	85	104	120	81	111	111	116	54	120	96	63	276	267	267	268	253	259	238	139	140	79	64	155	56	114
Prev	137	125	101	131	113	122	112	143	103	143	106	216	268	241	261	256	274	207	92	111	141	127	119	126	146

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
February 2016

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	55	348	90	68	93	99	115	141	298	138	132	109	176	263	326	346	78	82	121	135	118	65	133	116	99
2	145	164	197	177	184	177	177	168	117	103	125	84	299	264	258	276	260	270	292	295	298	326	141	193	206
3	169	176	143	149	136	131	156	119	195	112	154	320	270	273	266	272	289	283	272	250	141	105	105	117	179
4	176	123	187	125	207	163	131	112	53	267	276	267	268	273	267	257	265	278	284	294	305	304	299	283	253
5	156	263	106	108	108	95	86	53	70	72	291	276	272	263	269	274	265	244	168	131	148	132	129	122	149
6	60	85	159	110	107	93	228	230	275	278	276	279	277	277	275	271	274	275	279	279	280	277	280	279	268
7	284	292	301	296	312	332	33	63	55	338	306	289	282	295	276	270	276	282	288	305	39	129	55	114	315
8	41	100	92	40	23	25	30	41	66	162	68	114	350	285	273	290	275	279	102	90	72	70	7	15	42
9	3	117	92	161	104	247	282	356	126	163	84	332	30	17	37	83	71	93	91	68	66	86	97	122	78
10	126	156	134	100	138	45	123	119	15	63	25	301	261	277	257	272	98	91	126	311	40	165	303	283	95
11	262	263	268	292	276	274	276	283	305	293	283	270	265	271	258	261	265	264	138	88	86	96	49	38	278
12	145	149	189	143	311	32	122	236	215	215	319	287	21	316	288	108	308	135	75	117	103	160	134	117	147
13	124	145	143	168	156	272	263	278	283	289	281	279	282	286	273	270	271	282	286	261	235	160	273	259	255
14	268	277	291	261	274	271	268	273	271	271	277	282	286	281	270	266	270	275	279	279	276	275	278	273	275
15	266	276	294	276	280	278	270	270	258	271	265	262	260	277	276	297	316	315	320	263	285	294	21	83	284
16	90	95	56	186	271	248	262	284	281	274	269	260	269	264	278	268	281	288	248	80	97	87	83	87	267
17	84	67	111	78	109	62	103	123	106	103	84	Au	Au	Au	Au	Au	124	114	108	98	97	99	339	80	94
18	110	153	100	89	157	164	103	142	166	169	134	196	206	265	291	258	256	264	257	239	255	235	220	228	197
19	230	254	264	277	268	264	256	267	263	252	238	245	265	252	214	227	221	210	195	107	208	210	236	181	237
20	160	239	267	261	276	286	275	266	262	266	257	266	268	266	262	273	264	274	274	268	269	270	266	290	266
21	263	86	87	79	98	118	130	158	144	71	31	358	253	261	285	287	272	284	165	111	91	63	88	200	112
22	282	278	286	293	285	281	286	290	286	272	276	280	290	320	314	320	314	292	316	315	37	103	98	64	301
23	90	69	41	67	60	18	26	66	93	125	152	116	40	1	313	296	281	269	257	308	58	79	82	76	50
24	63	62	75	53	26	18	24	79	124	154	183	99	258	257	250	255	269	251	152	144	107	107	123	116	110
25	96	85	116	118	153	136	150	78	119	323	72	64	301	293	260	261	259	263	119	87	52	28	59	71	90
26	104	104	112	121	191	119	151	171	144	268	102	31	252	298	25	37	103	129	106	114	97	112	134	111	116
27	111	80	116	129	124	123	102	73	102	39	89	287	268	264	268	269	272	273	278	271	272	287	287	299	265
28	231	104	105	124	116	102	100	137	110	54	264	265	259	241	240	255	252	251	259	262	251	257	248	272	223
29	283	288	286	278	277	262	266	270	270	270	280	282	276	276	268	273	277	277	277	278	296	224	159	156	270
Prev	134	128	127	127	161	119	158	152	162	240	263	285	276	280	276	276	272	267	235	258	70	122	99	126	250

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
March 2016

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	111	101	93	63	99	48	97	119	131	171	14	47	272	215	133	92	79	72	88	84	96	120	130	228	101
2	221	118	91	275	295	268	263	289	287	263	263	262	267	276	283	293	283	277	267	233	143	128	112	85	260
3	79	82	127	151	142	141	154	109	79	119	163	313	271	266	277	248	273	294	278	259	268	281	286	336	232
4	131	95	101	96	49	90	80	84	103	328	110	49	321	316	51	127	143	154	135	119	110	97	161	139	100
5	140	143	91	132	136	144	118	151	236	117	165	208	205	215	223	249	269	259	234	215	93	169	137	151	173
6	155	98	88	96	104	143	108	132	146	132	123	161	167	177	203	247	205	262	278	275	278	283	287	268	175
7	215	275	290	306	343	287	67	88	69	56	306	303	295	333	290	257	248	249	244	85	88	71	91	107	320
8	78	80	72	93	95	184	157	189	336	102	260	278	273	270	265	233	75	245	242	160	121	92	86	86	143
9	72	64	94	76	63	111	165	130	164	337	15	300	261	259	267	261	272	238	242	124	144	146	307	139	160
10	181	165	171	185	192	213	197	217	213	209	221	225	224	204	214	202	191	197	194	191	187	200	262	266	204
11	287	102	189	210	78	65	81	107	334	236	111	201	128	129	125	122	123	131	151	168	165	188	160	153	142
12	134	159	170	157	118	120	123	142	116	1	116	198	259	347	231	152	197	201	125	116	109	88	131	179	145
13	215	246	271	298	320	125	145	288	49	142	148	188	196	195	222	202	199	190	204	204	193	204	183	157	199
14	141	143	139	145	276	312	189	Pw	274	302	285	278	263	269	274	264	272	271	266	302	279	290	261	260	263
15	275	276	275	266	266	263	267	269	271	262	259	258	269	262	258	280	284	273	273	278	276	291	306	309	273
16	335	74	81	84	60	75	55	78	96	288	265	262	260	274	265	274	320	339	302	14	98	160	129	78	21
17	78	101	65	86	75	65	114	126	1	17	24	17	360	6	341	339	339	350	341	11	318	281	135	121	32
18	100	10	300	311	305	290	330	331	318	299	318	318	300	300	290	298	286	288	306	320	71	69	68	67	323
19	81	76	65	82	60	81	95	112	86	67	20	141	141	67	345	12	12	352	158	147	95	112	113	105	82
20	93	91	84	100	115	99	102	128	129	13	334	351	351	17	259	270	247	229	224	88	101	117	123	130	98
21	122	119	109	105	125	74	83	82	260	267	267	267	266	248	261	330	284	271	248	190	138	98	70	92	171
22	92	63	61	146	109	80	76	137	137	31	75	293	313	295	294	294	315	296	271	273	302	297	307	273	334
23	203	307	123	138	189	156	329	121	128	97	43	283	261	245	262	320	278	278	281	275	289	247	251	228	249
24	192	257	247	265	109	91	108	91	91	150	235	273	283	296	294	282	271	275	276	271	272	282	292	291	263
25	293	299	300	313	330	321	306	358	276	284	280	289	291	306	303	322	329	354	12	357	345	304	296	301	313
26	178	126	85	65	79	76	356	101	267	298	265	248	263	276	263	267	277	264	288	271	136	87	78	87	267
27	91	100	111	105	123	113	154	134	126	60	152	232	245	266	246	221	210	229	223	253	309	91	94	231	166
28	273	276	271	257	260	255	306	325	291	283	289	272	293	290	287	306	303	302	25	68	117	296	291	325	293
29	257	321	343	349	347	337	351	360	10	6	5	4	1	8	7	11	11	21	360	327	2	288	315	358	350
30	347	284	297	335	278	29	65	349	296	310	317	312	318	307	320	308	307	316	289	303	322	335	327	306	318
31	315	308	305	296	307	10	335	300	291	305	336	325	299	303	326	332	313	328	308	300	298	302	298	305	312
Prev	143	97	96	107	80	90	97	108	87	332	300	276	274	280	274	278	278	275	262	252	123	180	158	168	266

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
January 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	42	78	64	91	77	94	88	93	94	67	94	51	79	53	36	43	99	31	43	79	57	59	60	83	69	99	31
2	59	58	70	94	70	51	57	78	62	85	97	92	47	35	41	88	91	62	66	57	49	67	74	64	67	97	35
3	41	68	64	80	16	31	74	60	29	76	41	43	96	65	39	27	12	16	18	52	36	41	26	38	45	96	12
4	41	21	17	39	48	57	49	61	32	44	35	99	99	47	59	62	80	37	29	20	38	17	26	70	47	99	17
5	50	46	58	48	100	35	43	41	26	49	26	37	7	19	19	9	20	14	34	24	29	27	33	58	36	100	7
6	66	19	49	32	48	63	71	56	97	71	88	96	45	68	65	73	73	50	52	41	51	46	76	87	62	97	19
7	63	47	36	56	49	19	42	20	13	19	19	27	28	18	18	17	20	13	22	22	10	26	11	20	26	63	10
8	27	98	76	47	58	43	85	62	67	69	94	60	81	32	89	25	29	52	47	23	91	59	55	97	61	98	23
9	67	55	92	61	71	80	65	73	55	54	47	19	15	11	10	9	11	14	14	26	67	43	70	63	46	92	9
10	49	69	65	83	86	96	68	72	56	91	89	83	20	11	12	14	17	68	65	20	31	33	32	33	53	96	11
11	52	52	64	79	78	81	51	72	82	58	95	67	31	16	17	13	23	36	34	27	35	45	51	39	50	95	13
12	19	53	47	70	16	18	23	17	15	11	10	9	11	12	9	10	9	47	37	28	40	30	34	24	25	70	9
13	32	67	75	25	27	60	42	72	64	87	73	62	54	15	44	27	9	38	78	29	16	22	20	21	44	87	9
14	16	20	10	9	10	9	9	8	9	9	6	9	7	7	8	11	12	12	22	16	14	22	63	26	14	63	6
15	35	62	94	56	51	63	96	72	58	88	40	42	71	36	8	17	14	17	19	25	24	50	27	10	45	96	8
16	48	58	17	17	6	7	27	73	77	59	85	33	55	84	28	94	14	76	18	29	39	30	51	31	44	94	6
17	16	27	66	31	24	34	49	40	14	18	10	19	11	15	23	14	61	53	63	44	32	30	14	17	30	66	10
18	7	12	25	25	65	77	74	67	90	65	14	16	10	13	9	8	6	8	51	62	29	33	45	68	37	90	6
19	74	91	101	94	62	57	46	26	21	39	54	81	62	9	11	10	5	13	53	39	14	17	19	17	42	101	5
20	9	13	10	20	10	62	88	90	10	10	8	9	11	8	7	8	9	14	12	12	12	9	8	11	19	90	7
21	69	45	53	48	56	59	61	86	42	52	75	57	98	10	22	20	13	11	8	9	11	30	43	40	42	98	8
22	60	36	30	24	29	19	21	36	55	85	82	83	22	41	39	20	26	37	7	17	9	82	63	47	40	85	7
23	23	68	75	57	27	47	46	77	31	61	53	47	74	58	19	21	51	42	44	63	32	43	9	7	45	77	7
24	80	45	33	28	87	60	77	81	65	60	80	90	11	8	8	8	11	9	12	12	10	9	12	11	38	90	8
25	10	9	11	30	48	70	43	48	56	32	73	38	9	9	8	9	8	79	31	27	59	82	64	56	38	82	8
26	86	70	93	75	67	90	76	71	52	58	49	44	24	10	19	34	29	30	57	55	51	73	78	96	58	96	10
27	93	59	68	50	50	91	68	54	13	14	55	92	20	14	18	12	13	66	70	41	47	51	46	79	49	93	12
28	82	68	91	41	70	55	83	78	55	58	81	20	22	19	33	16	7	19	14	40	40	50	20	18	45	91	7
29	13	9	8	8	10	11	14	41	91	18	11	39	41	20	38	39	18	28	74	69	21	16	10	10	27	91	8
30	16	18	13	10	7	7	24	26	25	11	11	13	9	7	9	7	9	18	49	50	34	36	52	51	21	52	7
31	47	79	91	72	55	59	43	64	81	81	76	54	9	9	12	7	9	51	70	32	49	60	45	68	51	91	7
Avg	45	49	54	48	48	52	55	59	50	52	54	49	38	25	25	25	26	34	39	35	35	40	40	44	42	88	11
Max	93	98	101	94	100	96	96	93	97	91	97	99	99	84	89	94	99	79	78	79	91	82	78	97	69	101	35
Min	7	9	8	8	6	7	9	8	9	9	6	9	7	7	7	7	5	8	7	9	9	9	8	7	14	52	5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
February 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	75	51	68	29	34	80	67	50	93	48	74	76	62	8	70	48	19	16	37	50	81	76	74	59	56	93	8
2	24	30	64	32	56	43	51	41	67	75	67	62	73	12	8	51	8	10	62	71	20	96	20	52	46	96	8
3	74	72	79	62	57	101	80	89	82	73	87	66	12	13	11	14	12	15	8	46	37	38	32	53	51	101	8
4	98	52	73	53	93	93	82	67	84	10	10	10	10	12	10	8	10	9	8	8	11	12	12	68	38	98	8
5	99	81	34	34	34	42	58	50	39	67	28	15	13	10	12	14	15	46	36	36	38	36	39	40	38	99	10
6	71	18	54	50	19	32	95	11	14	10	10	10	10	10	11	10	11	10	9	8	8	8	8	7	21	95	7
7	8	10	8	6	22	12	37	19	29	68	19	7	11	11	15	11	9	9	13	7	84	73	85	36	25	85	6
8	62	33	55	62	71	83	80	79	75	86	60	79	52	42	12	12	13	53	28	25	32	49	42	62	52	86	12
9	62	69	71	79	74	95	75	95	49	82	65	92	62	26	45	20	55	58	28	32	65	46	64	42	60	95	20
10	72	61	62	99	63	98	91	78	78	69	57	47	8	17	8	29	73	78	79	43	62	74	104	10	61	104	8
11	15	8	12	23	11	9	9	8	10	11	16	12	8	11	8	5	7	61	36	13	20	21	35	44	17	61	5
12	19	59	79	87	46	84	38	95	82	69	42	64	87	83	51	53	79	56	81	26	35	75	36	40	61	95	19
13	44	56	45	36	77	64	14	15	7	9	13	11	9	12	10	12	11	8	9	42	56	68	36	14	28	77	7
14	9	11	33	16	18	9	9	10	12	11	11	9	10	11	11	8	10	9	9	10	10	10	11	11	12	33	8
15	10	11	16	18	13	11	10	9	7	10	9	8	8	12	10	21	11	13	12	58	18	8	32	14	15	58	7
16	19	22	41	78	42	25	11	17	17	13	10	10	8	9	11	10	13	15	66	28	56	35	31	6	25	78	6
17	21	84	85	61	70	54	33	23	22	18	13	Au	Au	Au	Au	Au	19	20	27	52	28	64	90	33	43	90	13
18	54	22	22	50	46	30	18	24	29	10	37	16	14	41	15	14	10	11	11	8	22	7	9	9	22	54	7
19	25	19	13	10	10	10	9	13	12	14	14	10	22	37	15	13	12	15	10	65	42	9	19	47	19	65	9
20	54	12	12	12	11	18	15	12	14	11	10	11	11	10	10	11	8	9	9	8	10	31	27	37	16	54	8
21	34	77	7	14	25	24	25	28	53	86	92	45	52	14	16	10	13	20	79	48	49	34	38	77	40	92	7
22	19	9	9	10	8	7	12	17	19	11	11	12	15	13	15	9	16	9	8	38	43	36	18	38	17	43	7
23	39	41	48	44	43	40	36	42	90	46	65	28	15	28	24	14	13	12	9	45	57	45	17	14	36	90	9
24	24	17	56	45	22	34	51	30	52	53	46	58	47	14	11	7	18	22	37	23	25	31	40	19	33	58	7
25	22	17	31	45	40	63	77	70	47	98	61	82	39	38	10	9	7	6	77	34	24	42	33	42	42	98	6
26	33	29	42	70	66	70	45	52	55	94	86	81	98	38	13	41	60	67	15	16	18	25	49	66	51	98	13
27	67	66	46	48	75	74	59	59	73	43	76	13	11	9	10	11	10	10	8	10	12	9	11	21	35	76	8
28	45	82	56	28	23	51	50	65	92	90	16	16	24	26	16	14	8	9	14	13	17	11	17	10	33	92	8
29	12	14	9	10	9	12	11	11	10	12	9	10	9	10	10	10	9	10	8	8	15	82	16	22	14	82	8
Avg	42	39	42	42	41	47	43	41	45	45	38	34	29	21	17	17	19	24	29	30	34	40	36	34	35	81	9
Max	99	84	85	99	93	101	95	95	93	98	92	92	98	83	70	53	79	78	81	71	84	96	104	77	61	104	20
Min	8	8	7	6	8	7	9	8	7	9	9	7	8	8	8	5	7	6	8	7	8	7	8	6	12	33	5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
March 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	35	32	30	23	45	66	50	73	70	95	84	43	34	24	50	24	12	40	11	31	15	65	47	14	42	95	11
2	9	36	52	15	10	20	15	15	32	12	8	9	11	10	10	12	9	10	14	44	36	52	68	40	23	68	8
3	36	55	41	22	34	37	55	39	62	98	88	34	44	15	12	11	12	8	19	8	10	14	19	81	36	98	8
4	73	50	51	22	63	34	34	37	68	82	78	31	30	9	33	49	7	27	29	24	31	45	34	31	41	82	7
5	33	32	58	28	23	41	34	44	72	43	30	9	8	14	10	10	10	25	101	65	32	77	17	19	35	101	8
6	14	28	25	16	19	26	22	22	16	30	42	14	9	8	22	23	32	36	18	16	14	14	12	35	21	42	8
7	43	19	38	31	43	31	58	61	87	37	25	27	27	51	31	27	12	8	55	18	11	14	28	21	33	87	8
8	19	23	36	48	45	46	41	52	86	75	23	14	21	17	15	38	44	62	7	70	32	25	10	16	36	86	7
9	10	32	23	52	47	56	55	49	47	35	32	42	19	22	21	12	24	20	47	24	21	71	85	30	37	85	10
10	52	14	14	11	13	13	49	12	24	15	11	11	13	16	10	10	10	11	9	12	8	14	21	9	16	52	8
11	12	56	51	33	12	20	21	44	32	96	54	102	16	14	13	12	14	13	15	23	14	23	44	16	31	102	12
12	14	25	47	25	40	32	60	27	68	70	55	36	18	86	19	39	22	68	46	25	20	11	57	53	40	86	11
13	8	15	14	12	80	35	54	93	92	53	16	54	21	18	12	9	9	13	15	10	12	19	27	25	30	93	8
14	21	17	19	21	56	71	98	Pw	22	12	18	12	11	12	15	17	19	9	10	9	12	18	20	10	23	98	9
15	17	12	11	12	10	10	11	10	10	10	11	12	13	11	11	13	12	13	10	8	8	12	14	17	12	17	8
16	33	15	8	27	67	36	42	19	59	33	10	13	12	19	20	20	24	16	49	74	78	68	50	34	34	78	8
17	20	20	12	13	12	34	35	46	70	61	31	17	29	48	27	18	21	31	22	18	43	24	87	40	32	87	12
18	60	87	15	19	24	17	17	14	17	17	11	18	19	24	23	16	11	11	11	36	41	11	10	10	22	87	10
19	13	16	16	22	30	24	31	23	36	74	47	21	19	79	19	23	25	30	66	22	12	17	19	20	29	79	12
20	14	12	13	18	32	28	19	22	38	49	29	16	20	30	43	30	21	17	5	21	10	33	34	34	25	49	5
21	22	18	34	47	33	61	56	57	68	18	14	14	16	12	23	73	82	18	37	49	76	63	15	28	39	82	12
22	25	39	85	25	58	41	64	96	78	55	15	96	11	14	14	7	9	10	15	14	6	19	66	52	38	96	6
23	49	35	59	52	81	22	66	73	70	50	65	23	14	12	14	21	16	10	12	9	11	21	58	25	36	81	9
24	56	56	42	62	55	32	23	14	41	87	21	14	34	25	37	10	11	10	10	10	10	10	14	15	29	87	10
25	10	12	12	15	21	21	19	97	54	7	10	9	13	14	18	9	17	26	15	24	21	8	18	41	21	97	7
26	57	24	34	12	11	33	88	88	98	86	19	19	27	15	13	16	14	18	12	17	40	17	12	14	33	98	11
27	19	15	25	31	26	24	44	52	37	93	44	21	29	30	34	28	34	26	30	38	50	23	47	51	35	93	15
28	11	10	12	9	11	25	22	9	16	10	23	17	18	18	13	22	21	19	15	37	72	31	72	64	24	72	9
29	95	20	25	49	31	15	23	23	30	18	13	15	13	13	15	13	20	29	41	16	72	69	51	21	30	95	13
30	11	74	23	72	71	82	54	79	64	16	13	18	14	16	9	12	9	12	7	16	11	16	26	19	31	82	7
31	20	17	15	21	18	12	44	25	10	13	11	17	14	12	16	11	13	17	13	11	8	9	11	23	16	44	8
Avg	29	30	30	28	36	34	42	44	51	47	31	26	19	23	20	20	19	21	25	26	27	29	35	29	30	81	9
Max	95	87	85	72	81	82	98	97	98	98	88	102	44	86	50	73	82	68	101	74	78	77	87	81	42	102	15
Min	8	10	8	9	10	10	11	9	10	7	8	9	8	8	9	7	7	8	5	8	6	8	10	9	12	17	5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
January 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-19.2	-20.1	-21.2	-21.8	-20.6	-21.2	-20.7	-21.1	-20.9	-19.3	-17.7	-14.3	-11.7	-8.8	-6.6	-6.2	-7.7	-10.5	-12.8	-13.6	-14.5	-15.3	-16.2	-16.6	-15.8	-6.2	-21.8
2	-17.2	-17.2	-17.4	-17.3	-17.5	-16.8	-16.5	-16.4	-16.9	-14.9	-13.3	-10.0	-7.7	-5.4	-3.7	-3.3	-5.2	-8.5	-12.0	-13.3	-15.1	-16.0	-16.0	-17.6	-13.1	-3.3	-17.6
3	-16.9	-17.6	-17.7	-16.8	-16.1	-15.8	-16.2	-16.3	-14.0	-12.3	-10.9	-9.1	-6.0	-3.0	1.0	1.5	-0.9	-2.8	-4.9	-5.4	-6.4	-6.7	-7.5	-8.1	-9.5	1.5	-17.7
4	-8.7	-9.2	-8.9	-8.8	-9.6	-9.8	-11.0	-11.6	-11.5	-10.3	-7.5	-6.1	-3.8	-2.5	-1.1	0.1	-0.4	-1.8	-4.1	-5.4	-4.6	-4.1	-3.3	-3.2	-6.1	0.1	-11.6
5	-3.3	-3.7	-4.1	-4.0	-3.8	-3.0	-2.2	-2.3	-1.2	-1.1	0.1	1.1	1.3	1.7	2.1	1.7	0.3	-1.7	-4.1	-4.6	-6.3	-7.3	-7.9	-7.6	-2.5	2.1	-7.9
6	-8.5	-8.6	-9.7	-9.2	-10.1	-8.7	-7.3	-7.2	-7.3	-6.8	-5.8	-4.7	-3.7	-2.4	-0.8	0.0	0.0	-0.1	-1.2	-1.1	-1.8	-2.1	-2.3	-2.3	-4.7	0.0	-10.1
7	-3.1	-3.8	-3.2	-3.2	-3.9	-7.0	-8.3	-8.8	-9.0	-9.2	-10.0	-10.5	-10.3	-10.5	-10.6	-10.8	-11.1	-11.4	-11.4	-12.0	-12.6	-12.7	-13.1	-13.5	-9.2	-3.1	-13.5
8	-14.0	-14.5	-15.9	-17.6	-19.9	-20.5	-19.8	-18.8	-17.8	-16.7	-14.8	-13.5	-11.9	-10.0	-8.3	-8.0	-8.2	-8.6	-9.5	-9.3	-9.3	-9.2	-9.5	-9.5	-13.1	-8.0	-20.5
9	-9.3	-9.3	-9.6	-10.1	-10.3	-10.1	-9.8	-9.8	-9.5	-9.2	-7.1	-5.5	-4.5	-4.5	-4.7	-4.7	-5.0	-5.3	-5.6	-5.6	-8.3	-11.0	-13.4	-15.6	-8.2	-4.5	-15.6
10	-16.5	-17.2	-17.8	-19.1	-19.4	-19.3	-19.8	-19.4	-19.5	-18.0	-16.5	-12.2	-7.7	-5.8	-5.0	-5.2	-5.8	-6.9	-7.1	-9.3	-11.5	-13.7	-15.2	-16.1	-13.5	-5.0	-19.8
11	-16.7	-17.6	-18.5	-18.3	-18.2	-18.7	-19.7	-19.5	-20.5	-19.1	-16.4	-13.0	-7.4	-3.8	-3.6	-2.6	-2.6	-4.8	-6.8	-9.9	-14.1	-14.8	-14.2	-10.7	-13.0	-2.6	-20.5
12	-8.0	-9.3	-7.1	-4.5	-3.4	-3.3	-2.1	-1.9	-1.4	-1.4	-0.8	-0.3	-0.1	0.0	0.0	0.1	0.0	-1.3	-2.5	-4.9	-7.1	-8.0	-8.0	-7.9	-3.5	0.1	-9.3
13	-5.9	-5.0	-5.2	-5.5	-5.4	-6.3	-6.6	-6.8	-6.4	-6.4	-4.0	-0.4	2.4	2.6	2.9	3.3	3.1	2.5	2.1	1.6	1.1	0.5	0.4	0.0	-1.7	3.3	-6.8
14	-1.0	-1.9	-1.5	-1.1	-0.9	-1.2	-1.7	-2.3	-3.2	-3.6	-3.8	-4.1	-4.2	-4.0	-4.1	-4.2	-4.2	-4.7	-5.2	-5.2	-5.1	-4.9	-5.2	-5.8	-3.5	-0.9	-5.8
15	-5.9	-6.1	-6.4	-8.6	-11.9	-13.2	-12.6	-12.2	-11.4	-10.9	-9.6	-8.5	-7.3	-5.9	-5.6	-5.7	-5.8	-5.7	-5.8	-6.3	-6.5	-6.8	-6.9	-7.0	-8.0	-5.6	-13.2
16	-7.4	-6.8	-6.1	-6.2	-6.5	-6.9	-7.8	-8.2	-10.5	-11.2	-10.5	-9.3	-8.2	-5.9	-5.4	-5.0	-5.1	-5.7	-6.0	-6.1	-6.1	-6.4	-6.4	-6.7	-7.1	-5.0	-11.2
17	-6.6	-6.7	-6.4	-5.6	-4.9	-4.1	-3.9	-3.8	-2.9	-2.0	-1.4	-0.5	-0.1	-0.2	-0.2	-0.1	-1.9	-4.7	-6.4	-6.3	-5.3	-4.0	-2.8	-2.7	-3.5	-0.1	-6.7
18	-2.4	-1.6	0.0	0.2	0.3	-0.4	-0.5	-0.7	-1.0	-0.3	0.0	0.4	0.5	0.6	0.5	0.5	0.3	-0.3	-1.2	-2.6	-5.7	-6.8	-9.8	-12.3	-1.8	0.6	-12.3
19	-13.3	-14.3	-15.0	-16.3	-16.4	-16.9	-14.9	-13.7	-12.9	-11.0	-9.7	-6.9	-3.9	0.0	-0.1	-1.1	-1.6	-3.5	-3.2	-2.8	-2.5	-2.8	-3.2	-2.0	-7.8	0.0	-16.9
20	-2.2	-2.8	-2.7	-2.8	-3.1	-3.2	-3.3	-2.7	-1.9	-2.0	-1.9	-1.4	-0.7	-0.4	-0.3	-0.5	-0.8	-1.1	-1.4	-1.8	-1.7	-2.0	-2.4	-2.9	-1.9	-0.3	-3.3
21	-3.7	-4.5	-6.1	-8.8	-10.6	-11.4	-11.0	-11.1	-11.6	-11.0	-7.9	-4.4	-3.0	-1.8	-0.9	-0.3	-0.2	-0.4	-0.5	-0.4	-0.4	-1.4	-2.4	-3.9	-4.9	-0.2	-11.6
22	-5.5	-5.9	-5.1	-4.5	-4.7	-5.3	-4.9	-4.9	-4.0	-3.8	-1.1	1.1	3.4	4.9	5.4	4.8	3.0	4.3	4.9	4.5	3.9	1.8	-0.9	-2.5	-0.5	5.4	-5.9
23	-1.9	-2.5	-1.0	-4.4	-7.4	-9.4	-9.6	-10.1	-9.2	-9.1	-8.2	-6.3	-3.9	-1.9	1.8	3.3	1.7	1.4	1.2	-0.2	-0.6	-0.6	-0.8	-0.8	-3.3	3.3	-10.1
24	-0.9	-1.0	-1.5	-1.7	-2.6	-3.9	-6.6	-8.2	-7.6	-6.7	-5.6	-3.4	-1.7	-1.2	-1.9	-2.2	-2.3	-2.5	-2.6	-2.6	-2.9	-3.6	-4.5	-4.8	-3.4	-0.9	-8.2
25	-5.0	-5.0	-4.9	-5.1	-5.4	-5.8	-6.0	-5.9	-7.4	-8.1	-8.1	-5.3	-4.1	-3.6	-3.2	-3.5	-3.9	-6.0	-9.0	-12.3	-14.4	-15.5	-16.4	-17.1	-7.5	-3.2	-17.1
26	-17.7	-18.4	-18.8	-18.4	-17.6	-17.2	-16.9	-15.9	-11.8	-10.3	-8.1	-5.7	-2.3	-0.8	-0.5	-0.4	-1.0	-3.6	-5.0	-5.8	-6.7	-6.8	-6.5	-3.9	-9.2	-0.4	-18.8
27	-4.0	-2.9	-1.3	-3.8	-2.4	-2.6	-3.2	-2.9	-3.4	-3.9	-3.3	-1.4	3.0	3.7	4.0	4.1	3.7	2.3	1.6	0.5	-1.3	-2.2	-1.3	-1.8	-0.8	4.1	-4.0
28	-1.8	-2.2	-1.5	-2.8	-5.0	-6.3	-6.3	-6.7	-5.3	-4.1	-2.8	3.7	6.3	6.1	7.3	7.7	7.3	5.8	3.9	2.9	4.1	3.6	3.5	2.3	0.8	7.7	-6.7
29	2.0	2.0	1.0	0.8	0.2	-0.1	-0.6	-1.4	-1.6	-0.9	-1.0	-0.6	0.0	0.3	0.0	-1.1	-1.7	-1.5	-1.0	-0.5	-0.3	-0.7	-1.4	-2.4	-0.4	2.0	-2.4
30	-2.8	-3.2	-3.4	-3.8	-3.7	-3.7	-4.2	-4.7	-4.6	-4.3	-3.8	-3.0	-2.6	-2.3	-2.4	-2.7	-3.5	-4.4	-5.4	-7.4	-11.1	-12.8	-14.0	-14.2	-5.3	-2.3	-14.2
31	-15.1	-14.7	-13.7	-10.8	-10.0	-12.1	-12.3	-13.0	-13.1	-12.4	-8.6	-6.4	-5.5	-5.3	-5.2	-5.6	-6.0	-7.1	-8.3	-11.0	-13.5	-15.3	-15.3	-14.5	-10.6	-5.2	-15.3
Avg	-7.8	-8.1	-8.1	-8.4	-8.7	-9.2	-9.2	-9.3	-9.0	-8.4	-7.1	-5.2	-3.4	-2.3	-1.6	-1.5	-2.1	-3.2	-4.2	-5.0	-6.0	-6.7	-7.2	-7.5	-6.2	-0.9	-12.1
Max	2.0	2.0	1.0	0.8	0.3	-0.1	-0.5	-0.7	-1.0	-0.3	0.1	3.7	6.3	6.1	7.3	7.7	7.3	5.8	4.9	4.5	4.1	3.6	3.5	2.3	0.8	7.7	-2.4
Min	-19.2	-20.1	-21.2	-21.8	-20.6	-21.2	-20.7	-21.1	-20.9	-19.3	-17.7	-14.3	-11.9	-10.5	-10.6	-10.8	-11.1	-11.4	-12.8	-13.6	-15.1	-16.0	-16.4	-17.6	-15.8	-8.0	-21.8

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
February 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-14.1	-13.8	-14.0	-14.6	-15.8	-15.8	-15.4	-15.3	-15.7	-15.0	-14.0	-12.5	-9.2	-6.4	-6.2	-6.5	-6.6	-7.1	-9.0	-12.2	-13.7	-14.4	-14.0	-13.8	-12.3	-6.2	-15.8
2	-13.6	-14.6	-15.0	-14.6	-15.1	-16.1	-16.6	-17.7	-18.6	-18.2	-15.5	-11.2	-8.8	-7.4	-7.1	-7.4	-7.3	-7.7	-9.1	-9.4	-9.5	-11.3	-12.7	-15.4	-12.5	-7.1	-18.6
3	-18.2	-20.0	-21.2	-22.1	-22.2	-22.3	-22.5	-22.8	-23.8	-22.1	-19.8	-12.5	-8.6	-6.4	-6.3	-6.3	-5.6	-5.5	-5.7	-6.8	-10.1	-13.3	-15.0	-16.2	-14.8	-5.5	-23.8
4	-17.0	-17.6	-18.6	-18.1	-16.3	-14.8	-13.7	-11.8	-7.9	-4.5	-3.6	-2.9	-2.2	-1.6	-1.6	-1.6	-1.7	-1.8	-2.0	-2.4	-2.7	-2.9	-3.3	-4.0	-7.3	-1.6	-18.6
5	-4.8	-7.8	-10.8	-13.1	-14.1	-14.8	-14.1	-9.0	-8.9	-6.9	-3.7	-1.6	-0.8	-0.3	0.1	0.4	0.8	0.1	-1.4	-2.9	-2.6	-3.0	-3.9	-5.8	-5.4	0.8	-14.8
6	-7.1	-3.6	-3.2	-1.6	-1.4	-3.5	-2.5	1.1	-0.8	-1.2	-0.8	-0.6	-0.9	-1.0	-1.1	-1.2	-1.4	-1.5	-1.6	-1.9	-2.0	-2.3	-2.7	-3.1	-1.9	1.1	-7.1
7	-3.3	-3.7	-4.2	-4.8	-6.2	-7.6	-9.9	-12.0	-12.3	-13.0	-6.7	-3.1	-2.1	-1.3	-0.7	-0.4	-0.4	-0.3	-0.1	-0.2	-1.4	-3.0	-5.2	-6.7	-4.5	-0.1	-13.0
8	-8.3	-10.2	-11.3	-11.9	-11.8	-11.9	-12.1	-12.9	-11.5	-10.5	-8.8	-5.2	1.4	4.3	5.2	5.3	5.0	4.0	2.1	-1.9	-3.3	-4.9	-5.7	-6.4	-5.1	5.3	-12.9
9	-7.7	-8.4	-9.6	-10.3	-10.6	-11.6	-12.0	-11.7	-11.0	-9.3	-7.3	-4.5	-0.7	5.8	7.4	8.0	6.7	2.9	-0.7	-1.9	-3.9	-5.1	-6.6	-7.1	-4.5	8.0	-12.0
10	-7.5	-8.2	-8.9	-10.1	-10.4	-11.0	-10.5	-11.3	-9.5	-7.6	0.0	4.3	6.3	7.1	7.6	6.4	5.9	3.8	2.6	6.2	5.4	3.3	4.4	5.9	-1.1	7.6	-11.3
11	5.3	5.3	5.3	4.8	4.6	4.4	3.5	3.4	2.5	3.7	4.3	5.1	5.5	6.0	5.4	5.1	5.1	4.3	3.4	0.9	-0.4	-2.2	-3.2	-3.7	3.3	6.0	-3.7
12	-4.0	-3.6	-3.1	-3.2	-3.0	-2.6	-2.0	-1.6	-1.0	-0.6	0.1	1.1	2.0	2.7	3.4	4.3	4.7	3.8	2.8	1.5	0.5	0.0	-0.6	-1.4	0.0	4.7	-4.0
13	-2.2	-2.0	-2.9	-3.4	-4.8	-1.4	0.9	1.1	1.1	0.8	0.7	0.7	0.9	0.2	1.3	1.2	1.3	0.3	-0.3	-1.2	-2.5	-2.7	-0.9	-0.4	-0.6	1.3	-4.8
14	-0.7	-1.7	-1.9	-1.7	-1.3	-0.7	-0.5	-0.1	0.0	0.4	1.2	2.2	2.8	3.3	3.0	2.7	2.1	1.7	1.8	1.9	1.6	1.7	1.9	1.8	0.9	3.3	-1.9
15	1.8	1.9	2.0	2.8	2.3	1.6	1.5	1.7	2.1	2.5	3.0	3.1	3.6	4.1	4.3	3.5	0.9	0.7	0.9	0.7	0.7	0.9	-1.2	-1.6	1.8	4.3	-1.6
16	-1.6	-1.2	-1.0	0.3	2.2	2.7	3.7	4.3	4.3	4.4	4.5	4.3	4.7	4.8	4.8	4.5	4.2	4.0	3.1	1.8	0.6	-0.1	0.3	-0.7	2.5	4.8	-1.6
17	-0.6	-0.9	-0.8	-0.4	-0.3	0.6	0.0	-1.3	-0.5	0.7	2.4	Au	Au	Au	Au	Au	6.4	5.8	5.3	3.8	3.1	2.8	3.3	4.1	1.8	6.4	-1.3
18	3.1	2.1	3.4	4.0	5.3	5.7	4.9	3.6	4.7	5.1	5.5	6.8	6.8	3.0	2.3	2.4	1.7	1.3	1.1	0.6	0.0	0.5	0.5	0.9	3.1	6.8	0.0
19	0.4	0.9	0.9	0.8	0.3	0.2	0.0	-0.3	0.0	0.6	1.0	1.5	1.8	2.8	3.9	4.4	4.6	4.2	3.4	2.3	2.0	3.1	2.3	0.0	1.7	4.6	-0.3
20	-0.4	1.7	-1.4	-1.4	-1.5	-1.8	-2.0	-2.1	-2.5	-2.1	-1.7	-1.5	-1.2	-1.5	-2.0	-1.7	-1.8	-1.3	-1.5	-2.1	-2.6	-3.0	-3.2	-3.6	-1.8	1.7	-3.6
21	-4.3	-6.1	-8.3	-9.6	-11.1	-12.1	-12.9	-13.1	-13.1	-11.8	-9.1	-5.3	-1.6	-0.5	0.1	0.8	0.7	0.2	-1.8	-3.7	-4.6	-4.3	-4.4	-2.1	-5.7	0.8	-13.1
22	-0.7	-0.6	-0.8	-1.0	-1.0	-1.2	-1.7	-2.3	-2.7	-2.5	-1.6	-1.1	-0.8	-0.9	-0.6	-1.2	-1.4	-1.9	-2.4	-3.5	-4.9	-7.5	-10.2	-11.3	-2.7	-0.6	-11.3
23	-12.4	-13.8	-14.5	-14.8	-15.9	-15.6	-15.7	-16.1	-15.8	-13.8	-10.7	-5.8	-2.8	-1.7	-0.4	0.3	0.5	-0.1	-1.4	-2.6	-5.0	-7.6	-10.5	-11.8	-8.7	0.5	-16.1
24	-13.1	-13.9	-15.3	-16.0	-16.5	-17.0	-16.9	-16.9	-15.9	-13.8	-11.2	-6.9	-2.3	-0.7	-0.1	0.6	1.0	0.7	-2.2	-4.3	-5.2	-7.0	-8.4	-9.2	-8.8	1.0	-17.0
25	-9.7	-10.5	-11.4	-12.0	-12.5	-13.7	-13.8	-13.9	-12.3	-10.1	-7.2	-0.6	3.1	4.8	5.7	6.1	5.9	5.1	3.3	-0.6	-2.6	-4.2	-4.7	-6.4	-4.7	6.1	-13.9
26	-7.7	-8.4	-9.3	-10.1	-10.5	-10.6	-11.1	-11.1	-11.0	-9.0	-4.5	1.0	5.4	7.8	8.5	9.1	8.8	6.7	3.9	1.5	0.4	-0.4	-0.4	-0.2	-2.1	9.1	-11.1
27	-1.1	-1.4	-2.6	-2.4	-3.3	-4.0	-5.3	-6.3	-5.6	-3.3	-0.6	5.0	4.2	2.8	3.5	4.0	4.3	4.3	3.8	3.1	2.3	1.8	1.4	0.6	0.2	5.0	-6.3
28	-1.0	-2.7	-3.4	-4.3	-5.4	-7.1	-7.8	-8.4	-7.6	-1.5	2.7	3.6	4.2	3.9	4.8	6.1	6.2	6.0	5.6	5.2	4.8	3.8	3.4	1.1	0.5	6.2	-8.4
29	0.8	0.9	0.1	-0.5	-1.2	-2.1	-2.5	-2.6	-2.4	-2.1	-1.8	-0.9	-0.2	-0.1	0.0	0.0	0.0	-0.3	-0.8	-1.3	-2.2	-3.3	-5.8	-5.8	-1.4	0.9	-5.8
Avg	-5.2	-5.6	-6.3	-6.5	-6.8	-7.0	-7.1	-7.1	-6.7	-5.5	-3.6	-1.3	0.4	1.2	1.6	1.7	1.7	1.1	0.1	-1.0	-2.0	-2.9	-3.6	-4.2	-3.1	2.6	-9.4
Max	5.3	5.3	5.3	4.8	5.3	5.7	4.9	4.3	4.7	5.1	5.5	6.8	6.8	7.8	8.5	9.1	8.8	6.7	5.6	6.2	5.4	3.8	4.4	5.9	3.3	9.1	0.0
Min	-18.2	-20.0	-21.2	-22.1	-22.2	-22.3	-22.5	-22.8	-23.8	-22.1	-19.8	-12.5	-9.2	-7.4	-7.1	-7.4	-7.3	-7.7	-9.1	-12.2	-13.7	-14.4	-15.0	-16.2	-14.8	-7.1	-23.8

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
March 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-7.9	-9.4	-10.9	-11.7	-12.5	-13.1	-13.0	-12.8	-12.5	-10.7	-7.2	-1.6	1.2	1.2	0.5	1.3	2.0	2.8	1.9	1.4	1.8	2.2	3.0	4.7	-4.1	4.7	-13.1
2	4.4	1.3	0.6	0.7	-0.2	-1.0	-2.0	-2.3	-2.1	-1.5	-0.6	0.2	0.5	1.0	1.5	2.0	2.3	2.2	1.1	-0.4	-1.3	-3.0	-5.2	-6.2	-0.3	4.4	-6.2
3	-6.7	-7.8	-6.7	-6.1	-5.3	-4.8	-4.6	-4.8	-4.2	-2.8	-1.0	1.7	6.9	8.2	8.6	8.5	6.6	4.3	4.0	3.1	2.4	1.6	0.8	-0.1	0.1	8.6	-7.8
4	-1.3	-2.3	-3.8	-5.3	-6.4	-6.8	-7.9	-8.8	-8.1	-5.1	-1.1	2.9	4.7	6.0	7.0	6.8	6.8	5.5	3.4	0.8	-1.7	-2.8	-3.8	-4.0	-1.1	7.0	-8.8
5	-4.1	-4.3	-3.3	-3.3	-3.4	-3.5	-2.8	-3.2	-2.8	3.1	9.0	10.5	10.3	11.1	11.0	11.0	10.8	10.3	6.5	5.6	5.7	4.0	5.0	4.3	3.6	11.1	-4.3
6	2.0	5.6	5.3	1.5	0.3	-0.5	1.5	1.9	1.5	6.2	7.2	8.0	9.2	9.6	8.4	6.5	5.1	3.4	1.3	0.8	0.5	0.0	-0.3	-0.6	3.5	9.6	-0.6
7	-1.2	-1.4	-2.3	-2.6	-3.0	-3.7	-4.0	-5.4	-5.1	-2.6	-0.7	0.7	1.9	2.9	4.0	4.6	4.5	3.7	2.3	-0.4	-1.8	-2.6	-3.8	-5.3	-0.9	4.6	-5.4
8	-5.3	-5.8	-6.8	-8.0	-8.4	-7.6	-7.2	-7.1	-5.7	-3.4	-1.1	-1.4	-0.8	-0.5	-0.9	-1.4	-0.7	0.1	-0.5	-2.4	-4.3	-5.7	-6.8	-7.9	-4.2	0.1	-8.4
9	-8.4	-9.2	-9.7	-10.3	-10.5	-10.8	-10.7	-10.6	-9.9	-7.4	-3.1	-0.3	0.8	1.2	1.7	2.1	2.3	2.6	0.9	-1.6	-2.9	-4.1	-4.1	-0.6	-4.3	2.6	-10.8
10	-0.1	1.3	1.9	2.5	2.6	3.2	4.0	4.7	5.6	6.7	8.1	8.8	9.6	10.3	10.4	10.0	9.7	9.1	8.4	7.9	7.4	7.4	5.3	2.0	6.1	10.4	-0.1
11	0.9	0.7	0.9	1.3	0.6	0.0	-0.4	-0.8	-0.9	0.5	2.1	4.1	6.3	5.7	5.5	5.2	5.0	4.9	4.6	4.4	4.5	4.3	4.4	3.8	2.8	6.3	-0.9
12	3.7	3.2	0.3	-1.5	-1.9	-2.2	-2.8	-2.7	-0.2	2.4	7.4	9.1	7.7	6.9	6.7	6.3	6.3	2.6	1.8	1.2	1.5	1.4	0.9	1.8	2.5	9.1	-2.8
13	3.0	3.0	1.2	-0.9	-1.9	-2.3	-3.5	-5.4	-4.8	-2.6	0.1	1.9	2.9	3.6	5.3	5.3	5.5	6.5	5.9	5.3	5.0	4.4	2.4	1.7	1.7	6.5	-5.4
14	1.3	1.5	1.7	1.8	0.1	-1.2	-1.6	Pw	-1.4	-1.7	-1.2	-0.5	0.8	0.4	-0.6	-1.3	-0.6	-0.3	-0.5	-2.1	-2.2	-3.0	-3.4	-3.6	-0.8	1.8	-3.6
15	-3.5	-3.2	-3.2	-3.3	-3.4	-3.5	-3.5	-3.4	-3.5	-3.3	-2.9	-2.7	-2.4	-2.1	-1.4	-2.0	-0.8	-1.1	-1.1	-2.0	-2.9	-3.7	-4.6	-5.2	-2.9	-0.8	-5.2
16	-6.2	-7.9	-9.1	-9.6	-10.0	-9.3	-9.6	-10.3	-10.0	-5.3	-3.7	-2.8	-2.4	-1.7	-1.3	-0.8	-2.7	-3.3	-2.2	-2.1	-3.2	-4.4	-5.0	-5.4	-5.3	-0.8	-10.3
17	-6.8	-8.9	-10.2	-11.2	-12.0	-12.3	-12.7	-12.3	-12.0	-9.9	-5.4	-5.2	-4.8	-4.5	-4.7	-4.3	-4.2	-4.6	-5.4	-6.1	-7.5	-9.8	-11.3	-12.3	-8.3	-4.2	-12.7
18	-11.4	-9.6	-7.8	-8.0	-8.5	-8.7	-8.6	-8.8	-9.0	-9.0	-8.4	-7.8	-6.9	-6.1	-5.2	-4.6	-4.0	-3.6	-3.7	-4.9	-6.6	-9.0	-10.7	-12.3	-7.6	-3.6	-12.3
19	-13.4	-13.9	-14.1	-14.8	-15.5	-15.7	-16.6	-16.8	-15.6	-12.7	-7.1	-1.8	-0.1	1.1	2.1	3.7	4.9	5.6	5.7	2.3	-1.4	-3.1	-4.3	-5.3	-6.1	5.7	-16.8
20	-5.5	-6.0	-6.1	-7.2	-8.0	-8.2	-8.1	-8.5	-7.8	-4.7	-0.4	5.3	8.4	9.8	11.2	11.8	12.4	12.2	11.3	8.3	4.7	3.6	2.1	1.2	1.3	12.4	-8.5
21	0.8	0.4	0.2	-0.8	-0.9	-1.0	-1.7	-2.4	2.3	5.4	6.0	6.7	6.8	7.4	5.9	6.1	7.4	7.8	6.6	4.5	2.2	0.7	-0.6	-1.8	2.8	7.8	-2.4
22	-2.4	-3.5	-3.6	-3.7	-4.4	-3.6	-3.3	-2.4	-1.5	-1.0	-0.4	0.0	-0.9	-2.4	-3.5	-2.8	-2.3	-2.7	-3.2	-3.3	-3.4	-3.6	-4.4	-4.8	-2.8	0.0	-4.8
23	-5.2	-5.4	-6.0	-7.2	-7.9	-7.3	-7.0	-7.0	-8.1	-6.5	-2.8	-1.3	-0.6	-0.3	0.5	0.7	2.5	2.5	2.5	2.4	1.3	-1.0	-1.6	-1.9	-2.7	2.5	-8.1
24	-2.6	-1.7	-1.7	-1.2	-2.2	-3.8	-3.7	-2.9	-1.5	-0.4	0.5	0.4	1.7	1.3	2.3	1.7	1.7	1.7	1.3	-0.1	-0.4	-1.1	-1.5	-1.8	-0.6	2.3	-3.8
25	-2.0	-2.3	-2.8	-3.2	-3.5	-3.7	-3.9	-4.1	-3.5	-3.0	-2.4	-1.8	-1.4	-0.9	-0.5	-0.1	0.2	-0.3	-0.8	-1.1	-1.3	-1.7	-2.1	-2.9	-2.0	0.2	-4.1
26	-4.3	-6.3	-8.5	-9.5	-9.9	-10.5	-10.4	-9.1	-7.9	-5.2	-2.0	-0.8	-0.2	0.8	1.6	2.4	3.1	3.6	3.3	2.1	-1.6	-3.6	-4.3	-5.6	-3.5	3.6	-10.5
27	-7.0	-7.7	-8.6	-9.0	-9.3	-9.6	-10.1	-10.6	-8.6	-4.0	1.8	3.8	4.4	5.0	6.1	6.8	7.4	7.0	5.2	2.7	0.4	0.2	0.1	-0.1	-1.4	7.4	-10.6
28	-0.6	-1.0	-1.5	-2.1	-2.6	-2.8	-3.3	-3.7	-2.9	-2.3	-1.4	-0.5	0.5	1.2	1.9	2.5	2.8	2.4	1.6	-0.3	-1.8	-2.5	-1.5	-0.7	-0.8	2.8	-3.7
29	-0.7	-0.9	-0.9	-1.1	-1.2	-1.2	-1.4	-1.1	-1.0	-1.0	-0.8	-0.1	0.3	0.2	0.6	0.7	0.9	1.6	1.6	1.4	1.9	1.0	0.2	0.3	-0.0	1.9	-1.4
30	0.5	0.1	-0.5	-0.9	-2.2	-3.6	-4.9	-4.2	-1.5	0.6	2.0	3.7	4.1	4.4	4.2	4.5	4.7	3.5	2.1	2.1	1.9	1.5	1.0	0.5	1.0	4.7	-4.9
31	0.0	-0.3	-0.8	-1.2	-1.1	-1.7	-2.3	-2.1	-1.4	-0.6	0.3	-0.1	0.1	0.4	0.6	0.4	0.9	0.3	-0.1	-0.4	-0.5	-0.5	-0.8	-1.4	-0.5	0.9	-2.3
Avg	-2.9	-3.3	-3.8	-4.4	-4.9	-5.2	-5.4	-5.6	-4.6	-2.6	-0.3	1.3	2.2	2.6	2.9	3.0	3.2	2.9	2.1	0.9	-0.1	-1.1	-1.8	-2.2	-1.1	4.2	-6.5
Max	4.4	5.6	5.3	2.5	2.6	3.2	4.0	4.7	5.6	6.7	9.0	10.5	10.3	11.1	11.2	11.8	12.4	12.2	11.3	8.3	7.4	7.4	5.3	4.7	6.1	12.4	-0.1
Min	-13.4	-13.9	-14.1	-14.8	-15.5	-15.7	-16.6	-16.8	-15.6	-12.7	-8.4	-7.8	-6.9	-6.1	-5.2	-4.6	-4.2	-4.6	-5.4	-6.1	-7.5	-9.8	-11.3	-12.3	-8.3	-4.2	-16.8

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
January 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-20.9	-21.6	-22.7	-23.4	-22.8	-23.5	-23.6	-23.7	-22.9	-21.2	-19.2	-15.0	-12.4	-10.3	-8.2	-6.5	-8.7	-13.0	-14.3	-16.3	-17.1	-17.7	-18.1	-18.4	-17.6	-6.5	-23.7
2	-19.3	-19.4	-19.2	-19.4	-19.9	-19.7	-19.1	-18.8	-18.9	-16.6	-14.8	-11.7	-8.6	-6.0	-4.4	-4.2	-6.6	-11.5	-14.2	-15.8	-17.6	-19.1	-17.9	-19.8	-15.1	-4.2	-19.9
3	-19.8	-19.9	-20.2	-18.7	-18.7	-18.3	-19.0	-18.9	-16.3	-13.8	-12.2	-10.3	-7.6	-5.2	-2.3	-0.6	-2.6	-3.4	-5.8	-7.1	-8.5	-9.1	-10.3	-10.4	-11.6	-0.6	-20.2
4	-10.8	-11.3	-10.3	-10.1	-12.0	-12.4	-13.5	-13.4	-13.6	-12.2	-9.6	-6.8	-4.9	-3.7	-2.6	-1.3	-1.7	-3.0	-5.6	-7.4	-5.7	-5.3	-4.2	-4.3	-7.7	-1.3	-13.6
5	-3.9	-4.7	-5.2	-5.1	-4.4	-3.7	-3.1	-3.1	-1.4	-1.1	0.0	1.0	1.3	1.7	1.7	1.4	-0.7	-3.1	-5.5	-6.5	-8.7	-9.8	-10.0	-9.7	-3.4	1.7	-10.0
6	-10.3	-11.0	-11.8	-11.5	-11.8	-10.1	-8.2	-8.0	-8.2	-7.7	-6.0	-4.9	-3.7	-2.5	-1.8	-1.2	-1.0	-0.9	-1.7	-1.8	-2.3	-2.9	-2.9	-3.0	-5.6	-0.9	-11.8
7	-4.0	-4.5	-3.6	-3.6	-4.1	-7.1	-8.5	-8.9	-8.9	-9.1	-9.8	-10.3	-10.1	-10.2	-10.4	-10.6	-11.0	-11.3	-11.3	-11.9	-12.5	-12.6	-13.0	-13.5	-9.2	-3.6	-13.5
8	-14.2	-14.8	-16.8	-19.8	-21.2	-21.5	-19.9	-18.7	-17.8	-16.6	-14.7	-13.1	-12.0	-10.2	-8.3	-8.1	-8.3	-9.1	-10.0	-9.6	-9.4	-9.5	-9.8	-9.7	-13.5	-8.1	-21.5
9	-9.6	-9.6	-10.1	-10.8	-10.6	-10.3	-10.0	-10.1	-9.7	-9.3	-7.6	-5.8	-4.6	-4.8	-5.1	-5.1	-5.6	-5.8	-6.0	-6.1	-9.7	-13.6	-15.5	-17.5	-8.9	-4.6	-17.5
10	-18.5	-18.9	-20.0	-21.2	-21.6	-21.3	-21.7	-21.6	-21.6	-19.7	-18.3	-13.7	-8.0	-6.5	-5.5	-5.8	-7.0	-7.6	-7.9	-10.8	-12.3	-14.4	-16.2	-17.3	-14.9	-5.5	-21.7
11	-18.3	-19.3	-19.7	-19.9	-20.0	-20.5	-21.1	-21.8	-22.4	-20.4	-17.5	-14.7	-8.5	-4.7	-4.9	-3.7	-3.8	-6.3	-8.7	-12.6	-15.3	-15.7	-14.9	-11.4	-14.4	-3.7	-22.4
12	-9.3	-10.0	-8.1	-5.0	-3.9	-3.6	-2.2	-2.1	-1.6	-1.6	-1.0	-0.6	-0.3	-0.2	-0.2	-0.2	-0.5	-2.3	-4.1	-6.1	-8.3	-9.0	-8.6	-9.1	-4.1	-0.2	-10.0
13	-6.4	-5.4	-5.8	-6.8	-7.7	-7.8	-7.5	-7.9	-7.6	-7.7	-4.5	-1.1	2.1	2.5	2.7	2.7	2.6	2.0	1.5	1.3	0.9	0.4	0.3	-0.1	-2.4	2.7	-7.9
14	-1.0	-1.9	-1.4	-1.0	-0.9	-1.2	-1.7	-2.3	-3.1	-3.6	-3.8	-4.1	-4.1	-4.0	-4.1	-4.1	-4.2	-4.8	-5.5	-5.2	-5.1	-4.9	-5.4	-5.9	-3.5	-0.9	-5.9
15	-6.0	-6.1	-7.0	-10.2	-14.1	-14.5	-13.5	-12.5	-11.8	-11.3	-10.2	-9.3	-7.7	-5.9	-5.6	-5.8	-6.1	-6.0	-6.0	-6.6	-6.8	-7.0	-7.5	-8.3	-8.6	-5.6	-14.5
16	-8.0	-7.1	-6.4	-6.4	-6.9	-7.3	-8.3	-9.2	-11.6	-12.3	-10.9	-10.1	-8.9	-5.9	-5.5	-5.2	-5.2	-5.7	-6.1	-6.2	-6.2	-6.4	-6.5	-6.7	-7.5	-5.2	-12.3
17	-6.7	-6.7	-6.4	-5.8	-5.2	-4.5	-4.1	-4.0	-3.3	-2.2	-1.8	-0.7	-0.2	-0.6	-0.6	-1.1	-3.6	-5.8	-7.4	-7.0	-5.7	-4.1	-2.8	-2.6	-3.9	-0.2	-7.4
18	-2.4	-1.8	-0.3	-0.1	0.1	-0.8	-0.8	-1.0	-1.2	-0.4	0.0	0.3	0.3	0.4	0.3	0.2	0.1	-0.9	-2.0	-4.0	-7.9	-8.9	-12.2	-14.4	-2.4	0.4	-14.4
19	-15.4	-16.2	-17.3	-18.5	-18.7	-19.2	-17.3	-16.5	-15.5	-13.0	-11.1	-8.5	-4.8	-1.1	-1.4	-2.1	-3.3	-5.2	-4.1	-3.8	-3.9	-3.8	-3.9	-2.4	-9.5	-1.1	-19.2
20	-2.3	-2.8	-2.7	-2.9	-3.1	-3.3	-3.3	-2.7	-1.9	-2.0	-1.9	-1.4	-0.7	-0.5	-0.5	-0.6	-1.0	-1.2	-1.6	-2.0	-1.8	-2.1	-2.8	-3.5	-2.0	-0.5	-3.5
21	-4.3	-4.9	-7.8	-10.9	-11.7	-12.3	-12.0	-12.3	-12.9	-12.2	-9.0	-6.1	-3.3	-1.7	-0.8	-0.3	-0.5	-0.6	-0.6	-0.4	-0.5	-2.1	-2.9	-5.3	-5.6	-0.3	-12.9
22	-7.0	-7.2	-5.9	-5.4	-5.8	-6.5	-6.7	-6.2	-5.1	-5.6	-3.3	-0.6	2.3	4.4	4.9	4.6	2.2	2.8	4.1	3.9	2.9	0.4	-3.2	-5.0	-1.7	4.9	-7.2
23	-4.1	-5.2	-3.1	-6.0	-9.0	-10.7	-11.3	-11.9	-11.0	-10.4	-9.6	-7.9	-6.3	-4.5	-0.8	2.1	0.6	0.4	0.8	-0.3	-0.6	-0.6	-0.8	-1.0	-4.6	2.1	-11.9
24	-1.0	-1.1	-1.9	-2.1	-3.8	-6.5	-8.6	-9.5	-9.5	-7.8	-6.4	-3.8	-2.3	-1.4	-1.9	-2.2	-2.3	-2.5	-2.6	-2.6	-2.9	-3.6	-4.6	-4.9	-4.0	-1.0	-9.5
25	-5.1	-5.0	-5.1	-5.2	-5.5	-6.4	-6.3	-6.6	-8.7	-11.0	-9.9	-5.7	-4.4	-3.9	-3.3	-4.0	-5.0	-7.9	-11.2	-14.0	-16.2	-17.5	-18.5	-19.1	-8.6	-3.3	-19.1
26	-20.0	-20.6	-21.0	-20.9	-20.5	-19.0	-18.7	-17.5	-14.3	-12.1	-9.9	-6.1	-3.2	-1.2	-0.8	-1.0	-1.8	-5.1	-6.0	-6.7	-7.9	-7.9	-7.5	-4.6	-10.6	-0.8	-21.0
27	-5.1	-4.5	-2.5	-5.1	-3.8	-3.9	-5.0	-6.0	-6.8	-6.1	-4.2	-2.6	2.7	3.4	3.7	3.7	2.9	0.8	-0.1	-0.7	-2.4	-3.1	-1.9	-2.6	-2.1	3.7	-6.8
28	-2.8	-3.5	-2.6	-4.3	-6.5	-8.2	-8.5	-8.1	-6.9	-6.1	-4.6	1.1	5.2	5.1	6.6	6.6	6.0	4.0	2.8	1.7	3.4	3.2	3.1	2.2	-0.5	6.6	-8.5
29	1.9	1.8	0.5	0.4	0.0	-0.3	-1.1	-2.2	-1.9	-1.1	-1.3	-0.9	-0.1	-0.1	-0.1	-1.2	-1.7	-1.5	-1.0	-0.8	-0.4	-0.8	-1.7	-2.9	-0.7	1.9	-2.9
30	-3.1	-3.6	-3.9	-4.4	-4.1	-4.0	-4.4	-4.9	-5.0	-4.7	-4.2	-3.2	-2.8	-2.5	-2.8	-3.0	-4.0	-4.8	-6.4	-9.0	-12.3	-13.6	-14.8	-15.2	-5.9	-2.5	-15.2
31	-16.3	-15.4	-14.3	-12.9	-11.8	-13.3	-13.4	-14.1	-14.0	-13.3	-9.6	-6.4	-5.6	-5.4	-5.3	-6.1	-6.8	-7.8	-9.6	-12.9	-14.6	-16.2	-16.2	-15.0	-11.5	-5.3	-16.3
Avg	-8.8	-9.1	-9.1	-9.6	-10.0	-10.4	-10.4	-10.5	-10.2	-9.4	-8.0	-5.9	-3.9	-2.8	-2.2	-2.0	-2.9	-4.1	-5.0	-6.0	-6.9	-7.7	-8.1	-8.4	-7.1	-1.4	-13.6
Max	1.9	1.8	0.5	0.4	0.1	-0.3	-0.8	-1.0	-1.2	-0.4	0.0	1.1	5.2	5.1	6.6	6.6	6.0	4.0	4.1	3.9	3.4	3.2	3.1	2.2	-0.5	6.6	-2.9
Min	-20.9	-21.6	-22.7	-23.4	-22.8	-23.5	-23.6	-23.7	-22.9	-21.2	-19.2	-15.0	-12.4	-10.3	-10.4	-10.6	-11.0	-13.0	-14.3	-16.3	-17.6	-19.1	-18.5	-19.8	-17.6	-8.1	-23.7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
February 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-14.3	-14.1	-14.7	-15.4	-17.3	-17.0	-16.6	-15.8	-16.8	-15.9	-14.7	-13.1	-10.7	-6.6	-6.1	-6.4	-6.5	-7.2	-10.9	-14.2	-15.5	-15.7	-14.8	-14.4	-13.1	-6.1	-17.3
2	-14.5	-15.8	-15.8	-15.9	-15.8	-18.2	-18.5	-20.1	-20.5	-20.1	-17.4	-12.2	-8.9	-7.5	-7.2	-7.7	-8.1	-8.2	-9.8	-9.5	-9.8	-12.3	-15.0	-17.8	-13.6	-7.2	-20.5
3	-20.4	-21.9	-23.6	-24.5	-24.5	-24.2	-24.8	-24.9	-26.4	-24.2	-22.0	-13.7	-8.8	-6.7	-6.5	-6.4	-5.9	-5.8	-6.0	-8.2	-11.7	-14.5	-16.7	-17.7	-16.2	-5.8	-26.4
4	-18.3	-19.4	-20.4	-19.7	-16.6	-15.2	-13.9	-12.3	-8.2	-5.1	-3.8	-3.2	-2.4	-1.8	-1.9	-1.9	-1.9	-1.9	-2.3	-2.6	-2.9	-3.1	-4.0	-4.7	-7.8	-1.8	-20.4
5	-5.5	-9.6	-12.3	-14.5	-15.6	-16.3	-16.6	-12.2	-11.5	-9.4	-4.4	-1.8	-1.1	-0.6	-0.1	0.1	0.3	-0.4	-2.9	-4.9	-4.4	-5.2	-5.2	-7.3	-6.7	0.3	-16.6
6	-8.6	-5.4	-4.4	-2.1	-2.4	-5.4	-3.3	0.7	-0.9	-1.5	-1.5	-1.3	-1.6	-1.5	-1.5	-1.5	-1.9	-1.8	-2.1	-2.4	-2.4	-2.6	-3.0	-3.3	-2.6	0.7	-8.6
7	-3.5	-3.9	-4.5	-5.6	-7.3	-9.6	-10.7	-12.8	-13.8	-13.5	-7.6	-3.5	-2.5	-1.6	-1.2	-0.9	-1.0	-0.8	-0.5	-1.0	-2.0	-4.3	-7.0	-8.6	-5.3	-0.5	-13.8
8	-9.5	-11.6	-12.5	-13.0	-13.0	-13.3	-14.1	-14.1	-13.2	-12.0	-10.4	-6.9	0.6	3.9	4.7	4.7	4.3	3.1	0.1	-2.7	-4.2	-6.2	-7.0	-7.9	-6.3	4.7	-14.1
9	-9.3	-10.5	-11.5	-12.3	-12.6	-13.6	-13.5	-14.0	-13.4	-11.8	-9.0	-6.0	-2.5	3.0	7.2	7.4	5.7	1.7	-2.2	-2.8	-5.3	-7.0	-8.5	-9.6	-6.3	7.4	-14.0
10	-9.7	-10.6	-11.3	-12.0	-12.9	-13.0	-12.5	-13.7	-11.8	-9.5	-4.1	3.8	5.0	6.1	6.4	5.2	4.8	2.7	1.5	5.1	3.7	1.8	2.8	5.1	-2.8	6.4	-13.7
11	4.5	4.6	4.4	4.1	4.2	3.9	2.9	2.7	1.6	3.1	3.8	4.4	4.8	5.3	4.6	4.2	4.0	3.5	2.5	0.5	-1.0	-3.0	-3.9	-4.4	2.6	5.3	-4.4
12	-5.0	-4.3	-3.5	-3.3	-3.0	-2.6	-2.1	-1.7	-1.1	-0.6	0.3	1.0	1.7	2.2	2.7	3.5	3.8	3.0	2.1	1.1	0.3	-0.3	-1.1	-2.2	-0.4	3.8	-5.0
13	-3.1	-3.0	-3.9	-5.1	-6.4	-2.2	0.6	0.7	0.7	0.7	0.5	0.5	0.7	0.1	1.1	0.9	1.1	-0.1	-0.8	-2.1	-4.0	-3.6	-1.4	-0.9	-1.2	1.1	-6.4
14	-1.1	-1.8	-2.1	-1.9	-1.5	-0.8	-0.7	-0.3	-0.2	0.3	1.1	2.0	2.6	3.1	2.7	2.5	1.8	1.3	1.4	1.7	1.4	1.5	1.7	1.7	0.7	3.1	-2.1
15	1.6	1.8	1.8	2.6	2.2	1.6	1.4	1.7	1.9	2.3	2.8	2.8	3.2	3.8	3.9	3.2	0.9	0.7	0.8	0.5	0.3	0.3	-1.6	-1.7	1.6	3.9	-1.7
16	-1.7	-1.2	-1.1	-0.3	1.9	2.3	3.2	3.8	3.9	4.1	4.2	3.8	4.3	4.2	4.3	3.9	3.8	3.4	2.4	1.0	-0.2	-0.8	-0.3	-0.8	2.0	4.3	-1.7
17	-0.6	-1.3	-1.0	-0.6	-0.7	0.2	-0.2	-2.4	-0.7	0.6	2.3	Au	Au	Au	Au	Au	5.9	5.3	5.0	3.1	2.5	2.2	2.1	2.7	1.3	5.9	-2.4
18	1.9	0.4	2.3	2.2	4.0	4.9	4.3	2.8	3.5	4.2	5.0	5.9	5.9	2.6	2.1	2.2	1.5	1.1	0.8	0.1	-1.1	-0.3	0.0	0.5	2.4	5.9	-1.1
19	0.2	0.7	0.7	0.5	0.1	0.0	-0.2	-0.5	-0.3	0.2	0.6	1.1	1.5	2.6	3.6	4.0	4.2	3.7	2.4	1.6	1.1	2.5	1.5	-0.8	1.3	4.2	-0.8
20	-1.1	1.2	-1.4	-1.5	-1.7	-2.2	-2.2	-2.4	-2.7	-2.3	-1.8	-1.5	-1.3	-1.6	-2.0	-1.7	-1.8	-1.4	-1.7	-2.3	-2.7	-3.2	-3.5	-3.9	-1.9	1.2	-3.9
21	-5.0	-7.0	-8.6	-9.8	-11.6	-13.4	-14.1	-14.5	-14.1	-12.5	-9.7	-5.7	-1.6	-0.5	0.0	0.4	0.1	-0.5	-2.9	-4.7	-5.4	-4.8	-4.8	-2.8	-6.4	0.4	-14.5
22	-1.0	-0.8	-1.1	-1.4	-1.4	-1.5	-2.0	-2.7	-3.1	-2.7	-1.8	-1.2	-0.9	-1.0	-0.6	-1.2	-1.6	-2.4	-3.3	-4.4	-5.8	-9.0	-11.0	-12.0	-3.1	-0.6	-12.0
23	-13.3	-14.8	-15.5	-15.9	-17.0	-16.5	-16.7	-16.9	-16.9	-14.5	-11.3	-6.6	-2.0	-1.5	-0.4	0.0	0.0	-0.7	-2.3	-3.2	-6.5	-8.6	-10.9	-12.3	-9.3	0.0	-17.0
24	-13.9	-14.7	-16.4	-16.8	-17.2	-17.7	-18.0	-18.0	-17.1	-14.7	-11.3	-7.8	-2.5	-0.8	-0.3	0.3	0.7	-0.4	-3.1	-5.9	-6.3	-8.5	-9.8	-11.2	-9.6	0.7	-18.0
25	-11.1	-11.6	-13.0	-13.4	-14.3	-14.9	-15.3	-15.3	-13.5	-11.0	-7.7	-2.1	3.0	4.4	5.1	5.4	5.0	3.8	1.8	-1.5	-3.3	-5.0	-5.6	-7.6	-5.7	5.4	-15.3
26	-9.1	-10.1	-10.7	-11.5	-12.4	-11.8	-12.9	-13.2	-12.5	-9.7	-5.7	-0.4	4.8	7.2	8.0	8.9	8.3	5.5	2.9	0.9	-0.1	-1.6	-1.9	-1.1	-3.3	8.9	-13.2
27	-2.2	-2.3	-3.6	-3.7	-4.8	-5.4	-6.9	-7.6	-6.4	-3.4	-1.1	4.2	3.8	2.6	3.3	3.7	3.9	3.9	3.5	2.8	2.1	1.4	1.1	0.2	-0.5	4.2	-7.6
28	-2.0	-3.8	-4.8	-5.8	-6.1	-7.8	-8.6	-9.4	-8.6	-3.2	2.2	3.3	3.8	3.4	4.3	5.3	5.2	5.1	4.4	4.2	3.9	3.1	2.5	1.2	-0.3	5.3	-9.4
29	0.7	0.7	-0.1	-0.9	-1.5	-2.4	-2.8	-2.7	-2.5	-2.2	-1.8	-1.0	-0.3	-0.2	-0.1	-0.2	-0.2	-0.5	-1.1	-1.7	-2.9	-4.2	-7.0	-7.4	-1.8	0.7	-7.4
Avg	-6.0	-6.6	-7.2	-7.5	-7.8	-8.0	-8.1	-8.1	-7.7	-6.4	-4.3	-2.0	-0.0	0.8	1.3	1.4	1.3	0.5	-0.7	-1.8	-2.8	-3.8	-4.6	-5.1	-3.9	2.1	-10.7
Max	4.5	4.6	4.4	4.1	4.2	4.9	4.3	3.8	3.9	4.2	5.0	5.9	5.9	7.2	8.0	8.9	8.3	5.5	5.0	5.1	3.9	3.1	2.8	5.1	2.6	8.9	-0.8
Min	-20.4	-21.9	-23.6	-24.5	-24.5	-24.2	-24.8	-24.9	-26.4	-24.2	-22.0	-13.7	-10.7	-7.5	-7.2	-7.7	-8.1	-8.2	-10.9	-14.2	-15.5	-15.7	-16.7	-17.8	-16.2	-7.2	-26.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
March 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-8.8	-10.0	-11.5	-12.5	-13.4	-13.7	-13.9	-13.9	-13.2	-10.8	-6.9	-1.6	1.1	1.0	0.6	1.4	1.9	2.4	1.5	1.2	0.9	1.3	2.5	3.9	-4.6	3.9	-13.9
2	3.4	0.4	-0.1	0.6	-0.4	-1.1	-2.3	-2.7	-2.3	-1.6	-0.7	0.2	0.4	0.8	1.3	1.8	2.0	1.8	0.3	-1.3	-2.3	-4.9	-6.7	-7.1	-0.9	3.4	-7.1
3	-7.3	-8.6	-7.4	-6.5	-6.0	-5.5	-5.3	-5.2	-4.6	-3.4	-1.4	1.4	6.2	7.2	7.6	7.4	5.8	3.8	3.5	2.5	2.0	1.2	0.3	-0.9	-0.5	7.6	-8.6
4	-2.4	-3.1	-4.2	-6.0	-7.3	-7.3	-8.4	-9.7	-8.4	-5.0	-1.3	3.4	4.6	5.2	7.1	5.9	5.6	4.2	2.3	-0.2	-2.5	-3.6	-5.5	-5.6	-1.8	7.1	-9.7
5	-5.6	-6.2	-4.6	-4.7	-5.1	-5.1	-4.2	-4.8	-3.7	1.9	8.2	8.9	8.3	9.2	9.5	9.4	9.2	9.5	5.1	4.3	3.5	2.4	4.2	2.9	2.2	9.5	-6.2
6	1.0	5.0	3.7	0.4	-0.4	-1.8	0.5	-0.3	0.0	4.3	5.8	6.1	7.5	8.2	7.2	5.7	4.4	2.9	1.3	0.8	0.6	0.1	-0.5	-1.0	2.6	8.2	-1.8
7	-1.7	-1.7	-2.8	-3.4	-3.4	-4.2	-4.8	-6.2	-5.5	-2.7	-0.7	0.9	2.0	3.2	4.0	4.3	4.0	3.0	1.3	-0.6	-1.9	-2.9	-4.5	-6.1	-1.3	4.3	-6.2
8	-5.8	-6.1	-7.4	-9.2	-9.3	-8.1	-7.7	-7.5	-5.5	-3.1	-0.9	-1.1	-0.6	-0.3	-0.8	-1.3	-0.4	0.0	-1.5	-3.4	-5.2	-6.2	-7.0	-8.3	-4.4	0.0	-9.3
9	-8.5	-9.6	-10.1	-10.8	-11.0	-11.7	-11.6	-11.2	-10.1	-7.2	-3.0	-0.2	1.0	1.2	1.7	2.1	2.3	2.3	-0.2	-2.2	-3.9	-5.7	-5.4	-1.6	-4.7	2.3	-11.7
10	-1.4	0.3	1.4	2.1	2.2	2.7	3.6	4.1	5.2	6.1	7.3	7.9	8.6	9.6	9.4	8.8	8.6	8.1	7.4	7.0	6.4	6.6	4.8	1.8	5.4	9.6	-1.4
11	0.9	0.7	0.7	0.6	0.5	-0.1	-0.5	-0.9	-0.9	0.7	2.2	4.2	6.0	5.5	5.4	5.2	5.0	4.7	4.1	3.8	3.8	3.7	4.0	3.0	2.6	6.0	-0.9
12	3.1	2.1	-1.2	-2.5	-3.2	-3.6	-4.1	-3.7	-0.6	2.5	7.3	8.5	7.1	6.4	6.1	6.3	5.9	2.5	1.6	1.1	1.2	0.7	-0.2	0.8	1.8	8.5	-4.1
13	2.1	2.6	1.0	-0.8	-1.8	-2.5	-4.8	-6.4	-5.3	-2.5	0.2	2.1	3.2	4.0	5.3	5.1	5.0	6.0	5.1	4.6	4.4	4.0	2.2	1.6	1.4	6.0	-6.4
14	1.3	1.4	1.6	1.7	0.1	-1.3	-1.8	Pw	-2.0	-2.1	-1.3	-0.5	0.8	0.4	-0.6	-1.2	-0.5	-0.4	-0.7	-2.5	-2.4	-3.4	-4.0	-4.0	-0.9	1.7	-4.0
15	-3.8	-3.3	-3.3	-3.3	-3.5	-3.6	-3.5	-3.5	-3.6	-3.3	-2.9	-2.6	-2.3	-1.9	-1.2	-1.8	-0.7	-1.1	-1.1	-2.3	-3.3	-4.2	-5.4	-5.9	-3.0	-0.7	-5.9
16	-7.0	-10.3	-11.3	-11.4	-11.1	-10.9	-11.3	-11.9	-10.8	-5.5	-3.5	-2.6	-2.2	-1.6	-1.2	-0.8	-2.6	-3.3	-2.2	-2.2	-3.7	-5.1	-5.4	-5.4	-6.0	-0.8	-11.9
17	-7.1	-9.3	-10.3	-11.2	-12.0	-12.3	-12.7	-12.3	-12.0	-9.9	-5.3	-5.0	-4.5	-4.2	-4.3	-4.1	-4.1	-4.5	-5.4	-6.5	-8.1	-10.6	-12.0	-13.0	-8.4	-4.1	-13.0
18	-11.5	-9.6	-7.8	-8.0	-8.5	-8.8	-8.7	-8.9	-8.8	-8.7	-8.1	-7.5	-6.3	-5.6	-4.7	-4.2	-3.6	-3.4	-3.9	-6.0	-7.5	-9.1	-10.8	-12.3	-7.6	-3.4	-12.3
19	-13.4	-14.0	-14.2	-15.0	-15.8	-16.1	-17.4	-17.9	-16.0	-12.6	-7.2	-1.6	0.1	1.3	2.4	4.1	5.3	5.8	5.4	1.1	-1.6	-4.4	-5.3	-6.3	-6.4	5.8	-17.9
20	-6.2	-6.6	-6.4	-8.2	-9.0	-9.4	-9.7	-10.0	-8.2	-4.6	-0.4	5.4	8.6	10.1	11.3	11.9	12.3	11.7	9.7	7.1	4.3	2.9	1.2	0.4	0.8	12.3	-10.0
21	-0.2	-0.2	-0.3	-1.7	-1.7	-1.5	-2.5	-3.0	1.5	5.3	5.9	6.5	6.7	7.4	5.9	6.2	7.5	7.6	6.1	3.9	1.4	0.1	-0.8	-2.2	2.4	7.6	-3.0
22	-3.0	-4.3	-3.8	-4.3	-5.1	-4.0	-3.5	-2.6	-1.4	-0.9	-0.3	0.1	-0.7	-2.2	-3.2	-2.6	-2.2	-2.6	-3.1	-3.3	-3.5	-3.9	-4.5	-5.1	-2.9	0.1	-5.1
23	-5.2	-5.4	-7.1	-8.4	-8.3	-7.5	-7.2	-7.6	-9.2	-7.1	-2.7	-1.0	-0.4	-0.1	0.7	0.9	2.5	2.4	2.2	2.0	0.4	-2.0	-2.6	-3.8	-3.1	2.5	-9.2
24	-4.1	-2.2	-2.4	-1.7	-3.0	-4.4	-3.7	-3.0	-1.6	-0.4	0.6	0.6	1.9	1.5	2.6	1.7	1.6	1.6	1.2	-0.3	-0.5	-1.1	-1.5	-1.9	-0.8	2.6	-4.4
25	-2.0	-2.4	-2.8	-3.3	-3.5	-3.7	-3.9	-4.1	-3.4	-2.7	-2.0	-1.4	-1.1	-0.6	-0.2	0.0	0.4	-0.2	-0.8	-1.2	-1.4	-1.8	-2.3	-3.5	-2.0	0.4	-4.1
26	-5.1	-7.0	-8.6	-9.8	-10.0	-10.7	-10.3	-8.9	-7.8	-5.1	-1.8	-0.3	0.2	1.4	1.9	2.7	3.2	3.7	3.2	1.3	-2.2	-3.8	-4.4	-5.8	-3.5	3.7	-10.7
27	-7.1	-7.9	-8.8	-9.1	-10.0	-10.0	-10.8	-11.5	-8.6	-3.7	2.1	4.2	4.8	5.4	6.4	7.3	7.7	6.8	5.0	2.5	0.4	0.2	0.1	-0.1	-1.4	7.7	-11.5
28	-0.6	-0.9	-1.5	-2.1	-2.6	-3.1	-3.4	-3.9	-3.0	-2.2	-1.2	-0.2	0.8	1.7	2.3	2.8	3.1	2.3	1.0	-0.8	-2.1	-2.9	-1.7	-0.9	-0.8	3.1	-3.9
29	-0.8	-1.0	-0.9	-1.1	-1.2	-1.2	-1.3	-1.0	-0.9	-0.7	-0.4	0.3	0.8	0.8	1.0	0.9	1.0	1.7	1.6	1.2	1.7	0.6	-0.5	-0.3	0.0	1.7	-1.3
30	0.0	-0.2	-0.9	-1.3	-2.8	-4.1	-5.4	-4.1	-1.3	0.9	2.4	4.2	4.4	4.6	4.3	4.6	4.6	3.3	1.9	2.0	1.7	1.5	1.0	0.5	0.9	4.6	-5.4
31	0.0	-0.4	-0.8	-1.2	-1.1	-1.7	-2.4	-2.0	-1.2	-0.5	0.3	0.0	0.5	0.9	0.9	0.7	1.2	0.4	-0.1	-0.5	-0.6	-0.7	-1.0	-1.4	-0.4	1.2	-2.4
Avg	-3.4	-3.8	-4.3	-4.9	-5.4	-5.7	-5.9	-6.2	-4.9	-2.7	-0.3	1.3	2.2	2.6	2.9	2.9	3.1	2.7	1.7	0.4	-0.6	-1.6	-2.3	-2.8	-1.5	3.9	-7.2
Max	3.4	5.0	3.7	2.1	2.2	2.7	3.6	4.1	5.2	6.1	8.2	8.9	8.6	10.1	11.3	11.9	12.3	11.7	9.7	7.1	6.4	6.6	4.8	3.9	5.4	12.3	-0.9
Min	-13.4	-14.0	-14.2	-15.0	-15.8	-16.1	-17.4	-17.9	-16.0	-12.6	-8.1	-7.5	-6.3	-5.6	-4.7	-4.2	-4.1	-4.5	-5.4	-6.5	-8.1	-10.6	-12.0	-13.0	-8.4	-4.1	-17.9

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
January 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.69	1.54	1.50	1.64	2.16	2.28	2.98	2.57	2.04	1.85	1.50	0.65	0.67	1.50	1.59	0.31	1.04	2.51	1.40	2.70	2.55	2.42	1.86	1.79	1.78	2.98	0.31
2	2.11	2.25	1.73	2.11	2.33	2.90	2.53	2.38	2.01	1.68	1.58	1.77	0.89	0.60	0.72	0.89	1.44	2.98	2.19	2.51	2.48	3.14	1.89	2.35	1.98	3.14	0.60
3	2.95	2.43	2.54	1.91	2.61	2.48	2.88	2.61	2.43	1.39	1.32	1.20	1.53	2.17	3.32	2.16	1.70	0.64	0.97	1.67	2.05	2.45	2.81	2.28	2.10	3.32	0.64
4	2.15	2.12	1.42	1.27	2.39	2.53	2.53	1.83	2.23	1.90	2.04	0.73	1.07	1.22	1.50	1.42	1.28	1.23	1.44	2.00	1.05	1.17	0.96	1.07	1.61	2.53	0.73
5	0.66	1.06	1.06	1.11	0.66	0.76	0.92	0.78	0.28	0.09	0.14	0.13	0.03	0.06	0.34	0.32	1.05	1.38	1.33	1.97	2.42	2.48	2.07	2.04	0.96	2.48	0.03
6	1.83	2.38	2.23	2.32	1.78	1.42	0.87	0.82	0.86	0.86	0.28	0.21	-0.02	0.08	0.98	1.14	0.99	0.81	0.60	0.73	0.55	0.74	0.59	0.70	0.99	2.38	-0.02
7	0.98	0.69	0.37	0.40	0.22	0.11	0.21	0.08	-0.06	-0.07	-0.20	-0.18	-0.22	-0.21	-0.18	-0.18	-0.12	-0.11	-0.10	-0.12	-0.09	-0.12	-0.09	-0.04	0.04	0.98	-0.22
8	0.17	0.30	0.91	2.12	1.32	0.99	0.10	-0.04	0.00	-0.15	-0.17	-0.24	0.11	0.23	-0.01	0.12	0.08	0.52	0.54	0.28	0.18	0.27	0.26	0.20	0.34	2.12	-0.24
9	0.28	0.22	0.45	0.64	0.30	0.23	0.23	0.29	0.22	0.15	0.50	0.34	0.10	0.35	0.45	0.41	0.56	0.48	0.40	0.49	1.43	2.63	2.13	1.90	0.63	2.63	0.10
10	2.00	1.69	2.17	2.16	2.16	2.01	1.92	2.18	2.11	1.69	1.80	1.55	0.28	0.65	0.44	0.64	1.25	0.61	0.87	1.49	0.73	0.68	1.02	1.16	1.39	2.18	0.28
11	1.63	1.77	1.21	1.57	1.79	1.83	1.45	2.25	1.85	1.40	1.04	1.65	1.08	0.87	1.30	1.09	1.16	1.54	1.93	2.72	1.17	0.91	0.64	0.73	1.44	2.72	0.64
12	1.26	0.68	1.04	0.50	0.47	0.29	0.18	0.23	0.16	0.19	0.25	0.28	0.19	0.23	0.27	0.35	0.50	1.07	1.61	1.14	1.11	1.02	0.64	1.16	0.62	1.61	0.16
13	0.45	0.35	0.55	1.33	2.27	1.54	0.99	1.04	1.26	1.33	0.52	0.65	0.36	0.18	0.26	0.57	0.51	0.51	0.54	0.28	0.15	0.12	0.11	0.11	0.67	2.27	0.11
14	0.05	-0.04	-0.06	-0.03	0.01	0.01	0.01	0.02	-0.03	-0.04	-0.01	-0.03	-0.02	-0.02	-0.04	-0.05	-0.02	0.13	0.33	0.00	0.02	0.07	0.17	0.06	0.02	0.33	-0.06
15	0.06	0.01	0.53	1.54	2.18	1.44	0.81	0.27	0.41	0.34	0.59	0.85	0.40	-0.02	0.02	0.14	0.33	0.27	0.19	0.24	0.29	0.28	0.57	1.37	0.55	2.18	-0.02
16	0.68	0.29	0.29	0.20	0.43	0.46	0.47	0.97	1.10	1.05	0.48	0.87	0.67	0.09	0.15	0.20	0.07	0.01	0.05	0.08	0.10	0.04	0.07	0.00	0.37	1.10	0.00
17	0.05	0.02	-0.01	0.17	0.26	0.33	0.15	0.17	0.33	0.20	0.38	0.12	0.11	0.37	0.43	0.99	1.69	1.18	0.96	0.67	0.40	0.13	0.00	-0.03	0.38	1.69	-0.03
18	0.03	0.20	0.24	0.38	0.27	0.36	0.26	0.30	0.17	0.04	0.05	0.07	0.19	0.21	0.24	0.29	0.23	0.57	0.75	1.39	2.21	2.04	2.35	2.06	0.62	2.35	0.03
19	2.07	1.88	2.32	2.27	2.36	2.18	2.37	2.72	2.55	2.01	1.55	1.61	0.96	1.14	1.25	0.95	1.77	1.67	0.95	0.93	1.36	0.97	0.72	0.32	1.62	2.72	0.32
20	0.15	0.02	-0.03	0.02	0.01	0.06	0.03	0.04	0.00	-0.01	0.00	-0.02	0.04	0.14	0.18	0.14	0.13	0.17	0.24	0.27	0.11	0.16	0.36	0.58	0.12	0.58	-0.03
21	0.60	0.46	1.67	2.13	1.06	0.92	0.97	1.14	1.29	1.21	1.06	1.74	0.29	-0.09	-0.07	0.02	0.33	0.14	0.07	0.05	0.06	0.68	0.52	1.41	0.74	2.13	-0.09
22	1.50	1.30	0.82	0.94	1.16	1.18	1.76	1.28	1.09	1.84	2.14	1.76	1.15	0.52	0.58	0.26	0.84	1.51	0.81	0.63	0.91	1.47	2.31	2.46	1.26	2.46	0.26
23	2.19	2.79	2.04	1.67	1.54	1.29	1.71	1.75	1.80	1.26	1.40	1.56	2.44	2.60	2.70	1.16	1.02	1.05	0.48	0.04	-0.06	0.01	0.03	0.25	1.36	2.79	-0.06
24	0.05	0.15	0.40	0.39	1.14	2.58	1.97	1.30	1.85	1.11	0.81	0.42	0.61	0.22	0.04	0.00	0.02	0.01	0.00	0.06	0.01	0.02	0.10	0.07	0.56	2.58	0.00
25	0.11	0.03	0.14	0.10	0.14	0.65	0.33	0.70	1.22	2.99	1.86	0.33	0.26	0.22	0.10	0.50	1.13	1.93	2.20	1.78	1.84	2.03	2.19	1.97	1.03	2.99	0.03
26	2.21	2.13	2.15	2.45	2.83	1.80	1.82	1.64	2.51	1.83	1.79	0.44	0.89	0.32	0.32	0.60	0.81	1.56	1.01	0.96	1.16	1.14	0.98	0.65	1.42	2.83	0.32
27	1.15	1.58	1.20	1.31	1.43	1.33	1.77	3.09	3.35	2.18	0.93	1.26	0.33	0.30	0.30	0.47	0.79	1.55	1.77	1.26	1.18	0.90	0.61	0.79	1.28	3.35	0.30
28	1.02	1.21	1.19	1.57	1.45	1.88	2.18	1.45	1.57	2.06	1.73	2.56	1.10	0.91	0.73	1.12	1.29	1.73	1.02	1.23	0.66	0.39	0.33	0.15	1.27	2.56	0.15
29	0.14	0.27	0.50	0.43	0.30	0.27	0.48	0.77	0.35	0.28	0.36	0.31	0.23	0.41	0.15	0.05	0.02	0.00	0.05	0.25	0.12	0.03	0.26	0.43	0.27	0.77	0.00
30	0.37	0.48	0.51	0.58	0.45	0.24	0.15	0.22	0.41	0.36	0.34	0.23	0.23	0.28	0.40	0.36	0.45	0.42	0.98	1.59	1.23	0.77	0.80	0.98	0.53	1.59	0.15
31	1.13	0.68	0.67	2.11	1.86	1.16	1.09	1.10	0.84	0.89	0.96	0.00	0.11	0.10	0.15	0.53	0.78	0.64	1.32	1.90	1.12	0.98	0.95	0.50	0.90	2.11	0.00
Avg	1.02	1.00	1.02	1.20	1.27	1.21	1.17	1.16	1.17	1.03	0.87	0.74	0.52	0.50	0.60	0.55	0.75	0.93	0.87	1.01	0.92	0.97	0.91	0.95	0.93	2.21	0.14
Max	2.95	2.79	2.54	2.45	2.83	2.90	2.98	3.09	3.35	2.99	2.14	2.56	2.44	2.60	3.32	2.16	1.77	2.98	2.20	2.72	2.55	3.14	2.81	2.46	2.10	3.35	0.73
Min	0.03	-0.04	-0.06	-0.03	0.01	0.01	0.01	-0.04	-0.06	-0.15	-0.20	-0.24	-0.22	-0.21	-0.18	-0.18	-0.12	-0.11	-0.10	-0.12	-0.09	-0.12	-0.09	-0.04	0.02	0.33	-0.24

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
February 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.17	0.27	0.68	0.74	1.48	1.15	1.13	0.47	1.16	0.97	0.68	0.58	1.59	0.22	-0.15	-0.09	-0.15	0.08	1.96	1.99	1.80	1.31	0.82	0.59	0.81	1.99	-0.15
2	0.85	1.18	0.90	1.29	0.70	2.16	1.85	2.41	1.83	1.85	1.82	0.94	0.08	0.13	0.15	0.27	0.77	0.51	0.68	0.06	0.34	0.95	2.26	2.41	1.10	2.41	0.06
3	2.29	1.84	2.27	2.47	2.37	1.89	2.34	2.08	2.59	2.11	2.25	1.24	0.23	0.24	0.20	0.06	0.25	0.31	0.28	1.33	1.60	1.15	1.61	1.50	1.44	2.59	0.06
4	1.30	1.82	1.76	1.53	0.25	0.29	0.19	0.42	0.33	0.62	0.20	0.28	0.24	0.23	0.32	0.31	0.19	0.15	0.22	0.23	0.15	0.23	0.65	0.69	0.53	1.82	0.15
5	0.68	1.81	1.54	1.40	1.43	1.52	2.53	3.31	2.56	2.47	0.70	0.20	0.29	0.31	0.30	0.30	0.47	0.58	1.45	2.00	1.78	2.27	1.25	1.47	1.36	3.31	0.20
6	1.48	1.74	1.19	0.52	0.94	1.94	0.82	0.37	0.18	0.29	0.76	0.73	0.73	0.46	0.41	0.32	0.42	0.31	0.49	0.45	0.33	0.26	0.24	0.24	0.65	1.94	0.18
7	0.19	0.17	0.30	0.86	1.03	1.93	0.88	0.80	1.44	0.50	0.90	0.38	0.33	0.34	0.45	0.45	0.61	0.49	0.41	0.73	0.62	1.31	1.83	1.98	0.79	1.98	0.17
8	1.17	1.45	1.20	1.06	1.22	1.40	1.96	1.28	1.71	1.58	1.62	1.71	0.80	0.35	0.50	0.57	0.73	0.89	2.00	0.76	0.81	1.25	1.29	1.53	1.20	2.00	0.35
9	1.62	2.10	1.89	2.00	1.97	1.92	1.51	2.23	2.42	2.40	1.67	1.52	1.81	2.76	0.18	0.58	0.95	1.25	1.43	0.94	1.39	1.98	1.94	2.52	1.71	2.76	0.18
10	2.14	2.39	2.46	1.96	2.54	2.02	1.98	2.39	2.28	1.87	4.06	0.56	1.26	0.95	1.25	1.19	1.10	1.06	1.13	1.04	1.65	1.55	1.64	0.79	1.72	4.06	0.56
11	0.83	0.76	0.86	0.61	0.46	0.50	0.62	0.68	0.85	0.60	0.53	0.74	0.71	0.66	0.79	0.89	1.02	0.77	0.88	0.40	0.68	0.78	0.72	0.70	0.71	1.02	0.40
12	1.00	0.75	0.39	0.11	-0.01	-0.03	0.06	0.12	0.06	-0.06	-0.19	0.13	0.28	0.51	0.73	0.79	0.92	0.81	0.67	0.45	0.28	0.34	0.55	0.73	0.39	1.00	-0.19
13	0.88	1.02	1.05	1.67	1.60	0.81	0.32	0.50	0.44	0.18	0.22	0.15	0.18	0.13	0.17	0.22	0.23	0.40	0.51	0.90	1.51	0.95	0.60	0.43	0.63	1.67	0.13
14	0.35	0.14	0.21	0.19	0.18	0.13	0.22	0.20	0.20	0.15	0.16	0.18	0.20	0.25	0.28	0.28	0.31	0.39	0.37	0.22	0.25	0.18	0.13	0.16	0.22	0.39	0.13
15	0.19	0.15	0.18	0.22	0.11	0.05	0.03	0.06	0.19	0.13	0.26	0.33	0.41	0.32	0.39	0.26	0.00	0.02	0.13	0.17	0.47	0.57	0.41	0.14	0.22	0.57	0.00
16	0.04	0.00	0.16	0.67	0.30	0.35	0.43	0.46	0.32	0.38	0.33	0.52	0.48	0.55	0.46	0.58	0.43	0.54	0.73	0.79	0.83	0.68	0.73	0.15	0.45	0.83	0.00
17	0.06	0.35	0.15	0.17	0.33	0.38	0.33	1.07	0.20	0.10	0.08	Au	Au	Au	Au	Au	0.52	0.49	0.28	0.64	0.63	0.64	1.19	1.38	0.47	1.38	0.06
18	1.17	1.70	1.13	1.74	1.27	0.85	0.63	0.85	1.19	0.92	0.53	0.94	0.93	0.41	0.18	0.21	0.15	0.16	0.31	0.50	1.09	0.87	0.59	0.36	0.78	1.74	0.15
19	0.19	0.21	0.21	0.22	0.18	0.15	0.18	0.19	0.31	0.33	0.33	0.36	0.34	0.16	0.36	0.42	0.45	0.53	1.04	0.69	0.84	0.69	0.82	0.92	0.42	1.04	0.15
20	0.59	0.49	0.07	0.13	0.21	0.33	0.23	0.19	0.20	0.19	0.11	0.08	0.13	0.07	0.05	0.02	0.04	0.16	0.20	0.26	0.15	0.21	0.29	0.29	0.20	0.59	0.02
21	0.70	0.90	0.32	0.18	0.58	1.34	1.21	1.44	0.96	0.65	0.63	0.42	0.00	0.04	0.15	0.35	0.56	0.74	1.09	0.97	0.81	0.44	0.44	0.66	0.65	1.44	0.00
22	0.30	0.21	0.29	0.37	0.34	0.31	0.33	0.35	0.36	0.28	0.16	0.03	0.11	0.07	0.00	0.02	0.14	0.44	0.90	0.91	0.92	1.53	0.86	0.71	0.41	1.53	0.00
23	0.84	1.04	0.91	1.16	1.13	0.89	0.99	0.86	1.09	0.67	0.70	0.83	-0.73	-0.20	0.04	0.27	0.49	0.67	0.94	0.63	1.55	0.99	0.43	0.47	0.69	1.55	-0.73
24	0.82	0.78	1.13	0.87	0.69	0.70	1.06	1.06	1.06	0.95	0.14	0.92	0.23	0.05	0.22	0.27	0.38	1.06	0.87	1.61	1.05	1.37	1.41	2.02	0.86	2.02	0.05
25	1.39	1.06	1.59	1.35	1.76	1.25	1.46	1.41	1.15	0.91	0.57	1.53	0.15	0.36	0.59	0.72	0.86	1.28	1.50	0.95	0.78	0.78	0.84	1.20	1.06	1.76	0.15
26	1.38	1.73	1.36	1.41	1.90	1.13	1.75	2.13	1.49	0.83	1.19	1.38	0.59	0.54	0.51	0.16	0.57	1.19	1.00	0.59	0.51	1.14	1.50	0.94	1.12	2.13	0.16
27	1.12	0.87	1.02	1.25	1.51	1.35	1.65	1.25	0.76	0.17	0.57	0.81	0.37	0.21	0.22	0.33	0.37	0.41	0.38	0.31	0.25	0.36	0.31	0.44	0.68	1.65	0.17
28	1.09	1.13	1.40	1.46	0.66	0.77	0.84	1.00	0.99	1.78	0.48	0.28	0.44	0.52	0.49	0.76	0.97	0.90	1.13	1.02	0.89	0.71	0.93	-0.03	0.86	1.78	-0.03
29	0.05	0.20	0.28	0.34	0.33	0.33	0.24	0.17	0.14	0.08	0.08	0.06	0.09	0.11	0.10	0.17	0.20	0.23	0.27	0.35	0.72	0.90	1.14	1.68	0.34	1.68	0.05
Avg	0.86	0.97	0.93	0.96	0.95	0.96	0.96	1.03	0.98	0.82	0.74	0.64	0.44	0.38	0.33	0.38	0.48	0.58	0.80	0.75	0.85	0.91	0.95	0.93	0.78	1.75	0.08
Max	2.29	2.39	2.46	2.47	2.54	2.16	2.53	3.31	2.59	2.47	4.06	1.71	1.81	2.76	1.25	1.19	1.10	1.28	2.00	2.00	1.80	2.27	2.26	2.52	1.72	4.06	0.56
Min	0.04	0.00	0.07	0.11	-0.01	-0.03	0.03	0.06	0.06	-0.06	-0.19	0.03	-0.73	-0.20	-0.15	-0.09	-0.15	0.02	0.13	0.06	0.15	0.18	0.13	-0.03	0.20	0.39	-0.73

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
March 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.94	0.59	0.59	0.66	0.85	0.66	0.92	1.05	0.72	0.02	-0.27	-0.04	0.09	0.19	-0.05	-0.05	0.01	0.44	0.42	0.27	0.91	0.90	0.55	0.85	0.47	1.05	-0.27
2	0.93	0.83	0.70	0.15	0.18	0.16	0.29	0.32	0.12	0.08	0.12	0.07	0.13	0.19	0.19	0.21	0.25	0.35	0.80	0.87	1.04	1.81	1.44	0.87	0.50	1.81	0.07
3	0.62	0.84	0.66	0.49	0.73	0.71	0.71	0.43	0.38	0.56	0.40	0.29	0.70	0.98	1.04	1.07	0.78	0.49	0.52	0.56	0.35	0.36	0.53	0.81	0.63	1.07	0.29
4	1.15	0.78	0.46	0.71	0.86	0.53	0.48	0.79	0.26	-0.04	0.21	-0.45	0.08	0.73	-0.15	0.97	1.24	1.27	1.12	1.08	0.85	0.81	1.72	1.64	0.71	1.72	-0.45
5	1.56	1.92	1.33	1.42	1.70	1.60	1.38	1.53	0.90	1.27	0.84	1.55	2.02	1.82	1.56	1.64	1.56	0.89	1.42	1.29	2.14	1.66	0.82	1.47	1.47	2.14	0.82
6	0.98	0.66	1.63	1.13	0.79	1.33	0.94	2.23	1.50	1.87	1.41	1.91	1.71	1.38	1.20	0.83	0.65	0.45	0.10	-0.02	-0.03	-0.04	0.12	0.38	0.96	2.23	-0.04
7	0.47	0.33	0.50	0.80	0.46	0.50	0.86	0.82	0.35	0.06	-0.02	-0.17	-0.19	-0.24	-0.06	0.30	0.54	0.71	0.93	0.24	0.10	0.26	0.76	0.77	0.38	0.93	-0.24
8	0.44	0.33	0.62	1.26	0.90	0.51	0.49	0.45	-0.15	-0.27	-0.19	-0.28	-0.21	-0.20	-0.15	-0.16	-0.28	0.13	0.97	0.94	0.83	0.51	0.17	0.38	0.29	1.26	-0.28
9	0.11	0.38	0.44	0.53	0.52	0.87	0.86	0.56	0.20	-0.14	-0.11	-0.18	-0.19	-0.01	-0.01	0.03	0.00	0.25	1.14	0.62	1.05	1.59	1.29	0.91	0.45	1.59	-0.19
10	1.34	0.94	0.53	0.43	0.37	0.52	0.36	0.69	0.44	0.63	0.82	0.88	0.99	0.68	0.96	1.15	1.12	1.04	0.98	0.85	0.97	0.86	0.55	0.17	0.76	1.34	0.17
11	0.02	0.00	0.16	0.68	0.08	0.14	0.08	0.12	0.01	-0.11	-0.10	0.00	0.24	0.24	0.11	0.02	0.03	0.17	0.45	0.55	0.61	0.57	0.37	0.76	0.22	0.76	-0.11
12	0.63	1.05	1.49	1.03	1.30	1.44	1.31	0.95	0.42	-0.09	0.06	0.52	0.66	0.50	0.57	-0.05	0.37	0.11	0.18	0.09	0.23	0.77	1.12	0.98	0.65	1.49	-0.09
13	0.91	0.42	0.13	-0.07	-0.07	0.21	1.33	0.98	0.44	-0.05	-0.13	-0.20	-0.33	-0.35	-0.02	0.24	0.49	0.46	0.80	0.62	0.52	0.44	0.26	0.14	0.30	1.33	-0.35
14	0.10	0.10	0.10	0.13	0.01	0.09	0.27	Pw	0.51	0.44	0.09	-0.01	0.02	-0.02	-0.06	-0.09	-0.08	0.13	0.17	0.36	0.22	0.35	0.58	0.44	0.17	0.58	-0.09
15	0.27	0.13	0.06	0.04	0.04	0.06	0.06	0.09	0.09	0.02	-0.05	-0.09	-0.13	-0.18	-0.19	-0.12	-0.09	0.05	0.07	0.29	0.40	0.49	0.72	0.74	0.12	0.74	-0.19
16	0.79	2.39	2.16	1.84	1.04	1.57	1.70	1.57	0.85	0.21	-0.12	-0.27	-0.16	-0.12	-0.05	0.04	-0.01	-0.04	0.05	0.19	0.52	0.70	0.42	0.09	0.64	2.39	-0.27
17	0.33	0.38	0.14	0.04	0.02	0.03	0.02	-0.04	-0.07	0.06	-0.04	-0.21	-0.35	-0.33	-0.35	-0.16	-0.13	-0.11	0.09	0.36	0.62	0.74	0.68	0.69	0.10	0.74	-0.35
18	0.05	0.05	0.02	-0.04	0.05	0.07	-0.01	0.07	-0.06	-0.20	-0.23	-0.31	-0.57	-0.49	-0.49	-0.40	-0.39	-0.21	0.20	1.12	0.87	0.13	0.13	0.08	-0.02	1.12	-0.57
19	0.00	0.03	0.08	0.17	0.22	0.32	0.84	1.03	0.37	-0.10	0.08	-0.21	-0.17	-0.27	-0.28	-0.35	-0.36	-0.17	0.30	1.21	0.23	1.23	1.07	0.99	0.26	1.23	-0.36
20	0.72	0.63	0.31	1.05	0.99	1.24	1.55	1.37	0.35	-0.04	-0.07	-0.09	-0.22	-0.28	-0.10	-0.05	0.05	0.54	1.61	1.20	0.39	0.67	0.90	0.75	0.56	1.61	-0.28
21	1.02	0.61	0.54	0.90	0.84	0.49	0.75	0.56	0.71	0.05	0.12	0.18	0.15	0.07	0.09	-0.13	-0.13	0.28	0.56	0.62	0.79	0.59	0.21	0.39	0.43	1.02	-0.13
22	0.57	0.74	0.24	0.64	0.68	0.36	0.16	0.23	-0.08	-0.10	-0.11	-0.12	-0.15	-0.25	-0.28	-0.22	-0.08	-0.12	-0.04	0.00	0.06	0.30	0.10	0.31	0.12	0.74	-0.28
23	0.01	0.15	1.05	1.20	0.43	0.21	0.18	0.58	1.11	0.60	-0.15	-0.31	-0.25	-0.14	-0.13	-0.17	-0.01	0.12	0.32	0.40	0.85	1.05	0.96	1.88	0.41	1.88	-0.31
24	1.47	0.56	0.62	0.51	0.78	0.58	0.04	0.08	0.12	-0.05	-0.06	-0.24	-0.24	-0.23	-0.23	-0.06	0.01	0.08	0.12	0.21	0.12	0.06	0.04	0.05	0.18	1.47	-0.24
25	0.03	0.09	0.04	0.05	0.05	0.02	0.04	0.03	-0.11	-0.23	-0.38	-0.37	-0.35	-0.31	-0.34	-0.24	-0.20	-0.12	-0.05	0.04	0.08	0.08	0.16	0.59	-0.06	0.59	-0.38
26	0.78	0.62	0.25	0.42	0.10	0.19	-0.11	-0.17	-0.13	-0.17	-0.28	-0.48	-0.48	-0.57	-0.37	-0.30	-0.13	-0.10	0.08	0.83	0.66	0.29	0.18	0.17	0.05	0.83	-0.57
27	0.17	0.13	0.18	0.16	0.72	0.43	0.64	0.81	-0.05	-0.23	-0.35	-0.37	-0.38	-0.39	-0.37	-0.42	-0.26	0.22	0.22	0.19	0.00	-0.02	0.04	-0.02	0.04	0.81	-0.42
28	-0.03	0.00	-0.01	-0.03	0.06	0.32	0.05	0.22	0.05	-0.08	-0.18	-0.26	-0.32	-0.42	-0.37	-0.33	-0.31	0.08	0.52	0.45	0.32	0.41	0.25	0.18	0.02	0.52	-0.42
29	0.10	0.18	0.05	-0.01	-0.02	-0.04	-0.07	-0.14	-0.15	-0.29	-0.35	-0.42	-0.49	-0.64	-0.36	-0.18	-0.10	-0.03	0.02	0.20	0.15	0.36	0.68	0.63	-0.04	0.68	-0.64
30	0.44	0.38	0.38	0.36	0.59	0.52	0.48	-0.07	-0.18	-0.28	-0.42	-0.49	-0.27	-0.15	-0.05	-0.05	0.14	0.17	0.12	0.16	0.17	0.08	0.05	0.06	0.09	0.59	-0.49
31	0.02	0.01	0.01	0.06	0.02	-0.02	0.07	-0.12	-0.24	-0.17	-0.07	-0.20	-0.39	-0.45	-0.28	-0.24	-0.26	-0.10	0.01	0.09	0.12	0.22	0.23	0.05	-0.07	0.23	-0.45
Avg	0.55	0.52	0.50	0.54	0.49	0.50	0.54	0.57	0.28	0.10	0.02	-0.01	0.03	0.02	0.03	0.09	0.14	0.24	0.46	0.51	0.52	0.59	0.55	0.59	0.35	1.18	-0.23
Max	1.56	2.39	2.16	1.84	1.70	1.60	1.70	2.23	1.50	1.87	1.41	1.91	2.02	1.82	1.56	1.64	1.56	1.27	1.61	1.29	2.14	1.81	1.72	1.88	1.47	2.39	0.82
Min	-0.03	0.00	-0.01	-0.07	-0.07	-0.04	-0.11	-0.17	-0.24	-0.29	-0.42	-0.49	-0.57	-0.64	-0.49	-0.42	-0.39	-0.21	-0.05	-0.02	-0.03	-0.04	0.04	-0.02	-0.07	0.23	-0.64

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
January 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	0	0	27	154	276	334	365	340	262	147	22	0	0	0	0	0	0	0	80	365	0
2	0	0	0	0	0	0	0	0	18	141	279	347	373	344	265	153	25	0	0	0	0	0	0	0	81	373	0
3	0	0	0	0	0	0	0	0	16	105	151	247	340	261	149	98	20	0	0	0	0	0	0	0	58	340	0
4	0	0	0	0	0	0	0	0	21	183	124	176	197	202	139	66	19	0	0	0	0	0	0	0	47	202	0
5	0	0	0	0	0	0	0	0	19	147	182	232	274	249	183	69	26	0	0	0	0	0	0	0	58	274	0
6	0	0	0	0	0	0	0	0	16	58	116	130	168	156	131	72	12	0	0	0	0	0	0	0	36	168	0
7	0	0	0	0	0	0	0	0	13	58	108	140	230	235	141	88	13	0	0	0	0	0	0	0	43	235	0
8	0	0	0	0	0	0	0	0	16	63	123	172	311	365	210	77	19	0	0	0	0	0	0	0	57	365	0
9	0	0	0	0	0	0	0	0	10	53	262	361	446	239	236	102	33	0	0	0	0	0	0	0	73	446	0
10	0	0	0	0	0	0	0	0	25	58	182	328	368	346	290	167	32	1	0	0	0	0	0	0	75	368	0
11	0	0	0	0	0	0	0	0	25	152	283	368	409	385	244	215	44	0	0	0	0	0	0	0	89	409	0
12	0	0	0	0	0	0	0	0	13	52	287	388	410	330	250	130	28	0	0	0	0	0	0	0	79	410	0
13	0	0	0	0	0	0	0	0	23	99	202	186	162	136	131	48	5	0	0	0	0	0	0	0	41	202	0
14	0	0	0	0	0	0	0	0	13	70	107	147	151	136	137	86	24	0	0	0	0	0	0	0	36	151	0
15	0	0	0	0	0	0	0	0	9	36	50	79	154	293	119	56	18	0	0	0	0	0	0	0	34	293	0
16	0	0	0	0	0	0	0	1	39	71	107	166	249	185	166	76	23	0	0	0	0	0	0	0	45	249	0
17	0	0	0	0	0	0	0	0	14	44	158	259	399	362	303	196	53	1	0	0	0	0	0	0	75	399	0
18	0	0	0	0	0	0	0	0	19	69	114	153	182	189	197	214	67	1	0	0	0	0	0	0	50	214	0
19	0	0	0	0	0	0	0	0	28	99	214	348	285	411	285	189	77	0	0	0	0	0	0	0	81	411	0
20	0	0	0	0	0	0	0	0	13	67	160	297	263	197	121	73	20	0	0	0	0	0	0	0	50	297	0
21	0	0	0	0	0	0	0	0	52	172	128	261	274	225	147	100	37	1	0	0	0	0	0	0	58	274	0
22	0	0	0	0	0	0	0	0	26	88	218	293	333	200	225	145	33	1	0	0	0	0	0	0	65	333	0
23	0	0	0	0	0	0	0	0	26	96	170	217	224	167	135	89	33	1	0	0	0	0	0	0	48	224	0
24	0	0	0	0	0	0	0	0	12	35	45	68	98	176	136	60	22	1	0	0	0	0	0	0	27	176	0
25	0	0	0	0	0	0	0	3	34	110	257	377	329	458	501	266	96	3	0	0	0	0	0	0	101	501	0
26	0	0	0	0	0	0	0	0	45	184	283	359	425	425	318	199	95	3	0	0	0	0	0	0	97	425	0
27	0	0	0	0	0	0	0	1	61	218	343	415	434	418	357	213	71	4	0	0	0	0	0	0	106	434	0
28	0	0	0	0	0	0	0	0	27	114	352	427	460	419	306	250	91	4	0	0	0	0	0	0	102	460	0
29	0	0	0	0	0	0	0	4	81	80	108	134	266	195	75	48	25	2	0	0	0	0	0	0	42	266	0
30	0	0	0	0	0	0	0	1	87	219	223	366	474	438	223	124	52	3	0	0	0	0	0	0	92	474	0
31	0	0	0	0	0	0	0	2	52	112	164	217	302	362	205	178	103	12	0	0	0	0	0	0	71	362	0
Avg	0	0	0	0	0	0	0	0	28	103	186	258	302	285	212	129	40	1	0	0	0	0	0	0	64	326	0
Max	0	0	0	0	0	0	0	4	87	219	352	427	474	458	501	266	103	12	0	0	0	0	0	0	106	501	0
Min	0	0	0	0	0	0	0	0	9	35	45	68	98	136	75	48	5	0	0	0	0	0	0	0	27	151	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
February 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	0	0	30	85	129	189	283	260	365	182	328	17	0	0	0	0	0	0	78	365	0
2	0	0	0	0	0	0	0	2	63	204	347	415	373	539	322	202	66	9	0	0	0	0	0	0	106	539	0
3	0	0	0	0	0	0	0	2	37	132	216	299	386	421	231	121	55	8	0	0	0	0	0	0	80	421	0
4	0	0	0	0	0	0	0	0	14	87	213	362	245	194	161	63	34	5	0	0	0	0	0	0	57	362	0
5	0	0	0	0	0	0	0	5	66	227	245	428	510	460	351	255	131	4	0	0	0	0	0	0	112	510	0
6	0	0	0	0	0	0	0	1	27	91	251	343	138	141	88	62	31	3	0	0	0	0	0	0	49	343	0
7	0	0	0	0	0	0	0	7	109	262	397	482	519	493	412	266	70	8	0	0	0	0	0	0	126	519	0
8	0	0	0	0	0	0	0	6	137	237	316	426	493	504	420	287	141	16	0	0	0	0	0	0	124	504	0
9	0	0	0	0	0	0	0	3	89	321	441	504	502	469	352	296	166	16	0	0	0	0	0	0	132	504	0
10	0	0	0	0	0	0	0	4	54	126	273	490	422	418	455	118	58	5	0	0	0	0	0	0	101	490	0
11	0	0	0	0	0	0	0	8	103	282	421	500	520	489	284	146	70	9	0	0	0	0	0	0	118	520	0
12	0	0	0	0	0	0	0	2	19	66	227	228	198	221	243	208	80	7	0	0	0	0	0	0	62	243	0
13	0	0	0	0	0	0	0	3	62	83	155	158	186	212	360	209	193	22	0	0	0	0	0	0	68	360	0
14	0	0	0	0	0	0	0	5	66	73	208	392	636	675	385	365	107	15	0	0	0	0	0	0	122	675	0
15	0	0	0	0	0	0	0	3	28	59	69	144	346	201	401	101	41	14	0	0	0	0	0	0	59	401	0
16	0	0	0	0	0	0	0	6	59	119	113	175	324	249	169	91	63	19	0	0	0	0	0	0	58	324	0
17	0	0	0	0	0	0	0	14	86	86	152	Au	Au	Au	Au	Au	56	36	0	0	0	0	0	0	23	152	0
18	0	0	0	0	0	0	0	11	47	130	472	244	164	177	192	107	46	26	0	0	0	0	0	0	67	472	0
19	0	0	0	0	0	0	0	8	75	228	194	282	229	262	294	192	82	23	0	0	0	0	0	0	78	294	0
20	0	0	0	0	0	0	0	9	67	159	352	269	340	381	277	191	107	22	0	0	0	0	0	0	91	381	0
21	0	0	0	0	0	0	0	12	123	329	446	576	607	582	502	377	212	35	0	0	0	0	0	0	158	607	0
22	0	0	0	0	0	0	0	18	129	257	550	407	294	304	526	253	108	40	0	0	0	0	0	0	120	550	0
23	0	0	0	0	0	0	0	9	186	334	492	591	627	601	517	389	223	57	1	0	0	0	0	0	168	627	0
24	0	0	0	0	0	0	0	11	203	366	469	602	601	567	384	393	237	58	1	0	0	0	0	0	162	602	0
25	0	0	0	0	0	0	0	16	195	365	503	592	630	600	518	392	233	64	1	0	0	0	0	0	171	630	0
26	0	0	0	0	0	0	0	18	182	370	467	594	608	557	500	383	198	32	0	0	0	0	0	0	163	608	0
27	0	0	0	0	0	0	0	26	97	212	250	201	223	197	370	162	96	19	2	0	0	0	0	0	77	370	0
28	0	0	0	0	0	0	0	27	206	378	469	651	361	136	268	208	144	18	0	0	0	0	0	0	119	651	0
29	0	0	0	0	0	0	0	31	96	184	198	556	654	548	436	313	195	51	1	0	0	0	0	0	136	654	0
Avg	0	0	0	0	0	0	0	9	92	202	312	396	408	388	349	226	123	23	0	0	0	0	0	0	104	472	0
Max	0	0	0	0	0	0	0	31	206	378	550	651	654	675	526	393	328	64	2	0	0	0	0	0	171	675	0
Min	0	0	0	0	0	0	0	0	14	59	69	144	138	136	88	62	31	3	0	0	0	0	0	0	23	152	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
March 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	0	36	115	339	457	491	301	228	202	149	66	16	0	0	0	0	0	0	100	491	0
2	0	0	0	0	0	0	0	36	82	177	278	545	209	147	278	179	133	78	1	0	0	0	0	0	89	545	0
3	0	0	0	0	0	0	0	17	85	92	193	440	694	663	458	464	85	37	1	0	0	0	0	0	135	694	0
4	0	0	0	0	0	0	1	61	257	433	574	645	688	677	521	349	231	78	2	0	0	0	0	0	188	688	0
5	0	0	0	0	0	0	0	56	226	415	567	512	285	325	277	306	248	87	2	0	0	0	0	0	138	567	0
6	0	0	0	0	0	0	1	30	90	136	167	228	290	180	136	108	35	9	1	0	0	0	0	0	59	290	0
7	0	0	0	0	0	0	1	39	106	288	451	670	702	658	570	436	262	122	6	0	0	0	0	0	180	702	0
8	0	0	0	0	0	0	2	99	247	237	335	295	281	347	232	175	307	129	4	0	0	0	0	0	112	347	0
9	0	0	0	0	0	0	1	46	214	363	337	484	659	304	384	422	281	121	4	0	0	0	0	0	151	659	0
10	0	0	0	0	0	0	0	19	114	226	593	690	659	703	469	116	59	23	2	0	0	0	0	0	153	703	0
11	0	0	0	0	0	0	0	27	88	209	207	332	221	153	183	222	133	40	4	0	0	0	0	0	76	332	0
12	0	0	0	0	0	0	2	72	230	310	358	239	133	94	93	370	77	17	9	0	0	0	0	0	84	370	0
13	0	0	0	0	0	0	2	36	158	276	460	569	571	485	524	138	65	102	2	0	0	0	0	0	141	571	0
14	0	0	0	0	0	0	1	Pw	44	112	291	497	607	282	262	208	269	123	47	9	0	0	0	0	120	607	0
15	0	0	0	0	0	0	0	3	54	138	222	255	323	417	630	321	423	190	176	10	0	0	0	0	132	630	0
16	0	0	0	0	0	0	0	4	37	175	327	508	340	312	271	192	107	99	97	20	0	0	0	0	104	508	0
17	0	0	0	0	0	0	0	3	46	154	302	383	543	417	504	366	309	217	100	9	0	0	0	0	140	543	0
18	0	0	0	0	0	0	0	7	72	133	253	409	755	663	670	564	530	354	167	15	0	0	0	0	191	755	0
19	0	0	0	0	0	0	0	16	170	359	525	665	738	779	745	654	521	351	164	13	0	0	0	0	238	779	0
20	0	0	0	0	0	0	0	15	161	342	504	656	744	754	705	625	507	273	93	12	0	0	0	0	225	754	0
21	0	0	0	0	0	0	0	6	52	249	407	402	332	349	297	308	452	232	64	14	0	0	0	0	132	452	0
22	0	0	0	0	0	0	0	4	11	25	108	194	154	174	244	191	170	107	71	9	0	0	0	0	61	244	0
23	0	0	0	0	0	0	0	6	61	264	379	411	397	243	257	358	428	300	139	32	0	0	0	0	136	428	0
24	0	0	0	0	0	0	0	6	65	92	144	210	387	437	551	234	151	85	116	21	0	0	0	0	104	551	0
25	0	0	0	0	0	0	0	16	99	225	304	403	341	414	383	458	401	217	62	8	0	0	0	0	139	458	0
26	0	0	0	0	0	0	0	12	94	225	316	810	761	871	783	621	520	401	198	21	0	0	0	0	235	871	0
27	0	0	0	0	0	0	0	38	213	379	565	716	718	773	627	550	370	102	52	6	0	0	0	0	213	773	0
28	0	0	0	0	0	0	4	37	117	218	667	628	753	798	713	542	395	165	28	0	0	0	0	0	211	798	0
29	0	0	0	0	0	0	11	106	104	275	329	487	621	694	296	124	58	47	6	0	0	0	0	0	132	694	0
30	0	0	0	0	0	0	40	184	234	261	586	640	458	324	282	243	139	42	12	0	0	0	0	0	144	640	0
31	0	0	0	0	0	0	28	99	215	328	526	434	500	516	349	255	310	82	14	0	0	0	0	0	152	526	0
Avg	0	0	0	0	0	0	3	38	125	240	378	479	489	457	416	331	259	137	53	6	0	0	0	0	142	580	0
Max	0	0	0	0	0	0	40	184	257	433	667	810	761	871	783	654	530	401	198	32	0	0	0	0	238	871	0
Min	0	0	0	0	0	0	0	3	11	25	108	194	133	94	93	108	35	9	0	0	0	0	0	0	59	244	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
January 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.65	24.65	24.66	24.65	24.65	24.65	24.65	24.65	24.65	24.67	24.67	24.64	24.62	24.61	24.61	24.60	24.60	24.61	24.61	24.60	24.59	24.58	24.58	24.58	24.63	24.67	24.58
2	24.57	24.56	24.56	24.55	24.54	24.53	24.53	24.53	24.54	24.54	24.53	24.52	24.53	24.53	24.52	24.52	24.52	24.54	24.54	24.54	24.54	24.55	24.55	24.55	24.54	24.57	24.52
3	24.54	24.53	24.52	24.53	24.52	24.50	24.51	24.49	24.49	24.48	24.48	24.45	24.43	24.42	24.41	24.40	24.39	24.39	24.39	24.38	24.37	24.36	24.36	24.35	24.45	24.54	24.35
4	24.34	24.33	24.33	24.32	24.30	24.29	24.29	24.29	24.29	24.28	24.27	24.26	24.24	24.22	24.21	24.21	24.20	24.19	24.19	24.19	24.18	24.17	24.17	24.17	24.25	24.34	24.17
5	24.16	24.15	24.16	24.16	24.15	24.14	24.14	24.14	24.14	24.15	24.16	24.16	24.14	24.13	24.13	24.12	24.12	24.12	24.12	24.13	24.13	24.14	24.14	24.14	24.14	24.16	24.12
6	24.14	24.13	24.14	24.14	24.14	24.13	24.13	24.12	24.12	24.12	24.12	24.11	24.09	24.08	24.07	24.07	24.07	24.07	24.08	24.08	24.07	24.07	24.07	24.07	24.10	24.14	24.07
7	24.07	24.06	24.07	24.08	24.08	24.10	24.11	24.12	24.13	24.14	24.16	24.17	24.16	24.17	24.18	24.20	24.21	24.23	24.23	24.25	24.26	24.26	24.27	24.27	24.17	24.27	24.06
8	24.27	24.27	24.27	24.27	24.27	24.27	24.28	24.28	24.28	24.28	24.28	24.27	24.26	24.26	24.26	24.27	24.27	24.28	24.29	24.29	24.29	24.30	24.30	24.30	24.28	24.30	24.26
9	24.30	24.29	24.29	24.30	24.30	24.29	24.29	24.29	24.29	24.30	24.30	24.31	24.29	24.28	24.28	24.28	24.29	24.31	24.31	24.31	24.32	24.33	24.34	24.35	24.30	24.35	24.28
10	24.35	24.36	24.36	24.36	24.36	24.36	24.37	24.37	24.38	24.39	24.40	24.40	24.40	24.39	24.38	24.38	24.38	24.40	24.41	24.41	24.42	24.43	24.43	24.43	24.39	24.43	24.35
11	24.41	24.41	24.41	24.40	24.39	24.38	24.38	24.39	24.39	24.41	24.40	24.38	24.37	24.36	24.35	24.35	24.34	24.35	24.36	24.37	24.39	24.40	24.40	24.41	24.38	24.41	24.34
12	24.40	24.41	24.41	24.41	24.38	24.36	24.35	24.34	24.35	24.37	24.38	24.38	24.37	24.37	24.36	24.36	24.36	24.35	24.34	24.33	24.32	24.30	24.29	24.28	24.36	24.41	24.28
13	24.26	24.23	24.23	24.22	24.21	24.18	24.17	24.15	24.14	24.12	24.11	24.10	24.08	24.06	24.05	24.04	24.03	24.02	24.00	24.00	23.99	23.97	23.97	23.97	24.10	24.26	23.97
14	23.97	23.97	23.97	23.98	23.99	24.00	24.02	24.03	24.05	24.07	24.09	24.10	24.09	24.09	24.09	24.10	24.10	24.10	24.10	24.09	24.08	24.07	24.07	24.08	24.05	24.10	23.97
15	24.08	24.08	24.07	24.07	24.08	24.08	24.09	24.10	24.10	24.12	24.14	24.14	24.14	24.14	24.15	24.16	24.17	24.19	24.19	24.20	24.20	24.21	24.22	24.23	24.14	24.23	24.07
16	24.22	24.22	24.22	24.21	24.21	24.22	24.23	24.23	24.23	24.24	24.23	24.21	24.19	24.17	24.17	24.18	24.17	24.18	24.19	24.19	24.19	24.18	24.19	24.20	24.20	24.24	24.17
17	24.20	24.19	24.21	24.22	24.22	24.24	24.25	24.26	24.27	24.28	24.30	24.30	24.30	24.28	24.27	24.27	24.25	24.26	24.27	24.25	24.23	24.22	24.21	24.19	24.25	24.30	24.19
18	24.18	24.17	24.18	24.18	24.18	24.17	24.18	24.18	24.19	24.21	24.22	24.23	24.22	24.22	24.23	24.25	24.27	24.29	24.31	24.32	24.34	24.35	24.36	24.37	24.24	24.37	24.17
19	24.37	24.37	24.37	24.36	24.35	24.34	24.33	24.33	24.33	24.34	24.32	24.31	24.28	24.25	24.22	24.21	24.19	24.18	24.16	24.14	24.12	24.10	24.09	24.09	24.26	24.37	24.09
20	24.08	24.08	24.08	24.09	24.09	24.11	24.12	24.15	24.17	24.20	24.24	24.26	24.27	24.29	24.32	24.35	24.37	24.40	24.42	24.42	24.44	24.46	24.47	24.49	24.27	24.49	24.08
21	24.50	24.50	24.51	24.52	24.53	24.53	24.53	24.54	24.54	24.53	24.53	24.52	24.51	24.49	24.48	24.48	24.48	24.48	24.48	24.48	24.47	24.46	24.46	24.46	24.50	24.54	24.46
22	24.46	24.44	24.42	24.41	24.39	24.38	24.37	24.36	24.35	24.33	24.33	24.32	24.29	24.27	24.26	24.25	24.25	24.25	24.25	24.26	24.24	24.24	24.24	24.26	24.32	24.46	24.24
23	24.25	24.25	24.25	24.26	24.27	24.26	24.26	24.26	24.25	24.24	24.22	24.19	24.17	24.15	24.13	24.12	24.11	24.11	24.12	24.13	24.12	24.11	24.11	24.10	24.19	24.27	24.10
24	24.10	24.10	24.10	24.10	24.10	24.11	24.12	24.12	24.13	24.14	24.14	24.15	24.14	24.14	24.14	24.16	24.18	24.19	24.21	24.23	24.26	24.28	24.30	24.32	24.16	24.32	24.10
25	24.33	24.34	24.35	24.36	24.36	24.37	24.38	24.39	24.39	24.40	24.41	24.42	24.40	24.39	24.39	24.40	24.41	24.43	24.45	24.45	24.45	24.45	24.46	24.46	24.40	24.46	24.33
26	24.46	24.47	24.47	24.47	24.47	24.48	24.49	24.49	24.51	24.51	24.52	24.53	24.53	24.52	24.52	24.51	24.51	24.50	24.51	24.51	24.51	24.50	24.50	24.50	24.50	24.53	24.46
27	24.51	24.51	24.50	24.49	24.50	24.51	24.53	24.54	24.55	24.55	24.56	24.57	24.56	24.54	24.53	24.52	24.52	24.51	24.51	24.51	24.51	24.51	24.50	24.49	24.52	24.57	24.49
28	24.46	24.45	24.43	24.41	24.40	24.38	24.36	24.35	24.34	24.32	24.31	24.29	24.25	24.21	24.20	24.17	24.15	24.13	24.13	24.13	24.13	24.13	24.13	24.13	24.27	24.46	24.13
29	24.13	24.14	24.15	24.16	24.17	24.17	24.16	24.17	24.16	24.16	24.15	24.13	24.08	24.03	24.01	24.00	23.97	23.96	23.95	23.94	23.93	23.93	23.94	23.91	24.06	24.17	23.91
30	23.93	23.94	23.94	23.94	23.94	23.96	23.97	23.98	23.98	23.98	24.00	24.00	23.99	23.99	23.99	24.00	24.02	24.03	24.06	24.07	24.09	24.10	24.10	24.11	24.00	24.11	23.93
31	24.11	24.12	24.12	24.12	24.12	24.13	24.13	24.13	24.14	24.14	24.14	24.13	24.12	24.11	24.10	24.11	24.12	24.14	24.15	24.16	24.17	24.17	24.18	24.19	24.14	24.19	24.10
Avg	24.28	24.28	24.28	24.28	24.28	24.28	24.28	24.28	24.29	24.29	24.29	24.29	24.27	24.26	24.26	24.26	24.26	24.26	24.27	24.27	24.27	24.27	24.27	24.27	24.28	24.36	24.20
Max	24.65	24.65	24.66	24.65	24.65	24.65	24.65	24.65	24.65	24.67	24.67	24.64	24.62	24.61	24.61	24.60	24.60	24.61	24.61	24.60	24.59	24.58	24.58	24.58	24.63	24.67	24.58
Min	23.93	23.94	23.94	23.94	23.94	23.96	23.97	23.98	23.98	23.98	24.00	24.00	23.99	23.99	23.99	24.00	23.97	23.96	23.95	23.94	23.93	23.93	23.94	23.91	24.00	24.10	23.91

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
February 2016

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	24.19	24.19	24.19	24.20	24.20	24.20	24.20	24.21	24.22	24.23	24.23	24.22	24.21	24.20	24.20	24.21	24.22	24.24	24.26	24.27	24.28	24.28	24.28	24.28	24.23	24.28	24.19
2	24.28	24.28	24.27	24.27	24.27	24.28	24.28	24.29	24.29	24.30	24.29	24.29	24.28	24.26	24.26	24.27	24.28	24.29	24.30	24.30	24.31	24.32	24.33	24.33	24.29	24.33	24.26
3	24.34	24.34	24.34	24.34	24.34	24.34	24.35	24.36	24.38	24.40	24.40	24.39	24.36	24.35	24.35	24.35	24.34	24.35	24.36	24.35	24.36	24.35	24.35	24.34	24.36	24.40	24.34
4	24.33	24.32	24.33	24.33	24.33	24.34	24.34	24.34	24.34	24.33	24.34	24.34	24.32	24.32	24.31	24.32	24.33	24.36	24.39	24.41	24.43	24.45	24.47	24.49	24.36	24.49	24.31
5	24.51	24.52	24.53	24.55	24.55	24.55	24.56	24.56	24.56	24.55	24.55	24.54	24.52	24.51	24.50	24.49	24.49	24.48	24.47	24.46	24.45	24.44	24.44	24.44	24.51	24.56	24.44
6	24.43	24.40	24.39	24.38	24.36	24.34	24.31	24.28	24.29	24.31	24.32	24.35	24.35	24.36	24.37	24.38	24.40	24.41	24.42	24.43	24.44	24.46	24.48	24.50	24.38	24.50	24.28
7	24.51	24.53	24.55	24.58	24.59	24.62	24.64	24.66	24.68	24.69	24.69	24.69	24.69	24.68	24.68	24.68	24.68	24.68	24.69	24.69	24.69	24.70	24.72	24.72	24.66	24.72	24.51
8	24.73	24.73	24.74	24.74	24.75	24.76	24.77	24.78	24.78	24.77	24.76	24.76	24.75	24.73	24.71	24.71	24.70	24.69	24.69	24.68	24.68	24.69	24.69	24.70	24.73	24.78	24.68
9	24.70	24.70	24.70	24.71	24.70	24.70	24.70	24.69	24.69	24.68	24.68	24.68	24.65	24.63	24.61	24.60	24.59	24.57	24.56	24.55	24.55	24.54	24.54	24.53	24.64	24.71	24.53
10	24.51	24.50	24.50	24.49	24.49	24.49	24.48	24.49	24.49	24.48	24.49	24.50	24.49	24.49	24.49	24.48	24.49	24.48	24.47	24.47	24.46	24.46	24.46	24.46	24.48	24.51	24.46
11	24.45	24.44	24.45	24.46	24.46	24.47	24.47	24.48	24.50	24.52	24.53	24.53	24.53	24.53	24.53	24.53	24.54	24.53	24.54	24.54	24.54	24.54	24.54	24.54	24.51	24.54	24.44
12	24.54	24.54	24.54	24.54	24.54	24.53	24.53	24.52	24.52	24.52	24.52	24.52	24.50	24.47	24.47	24.44	24.44	24.44	24.43	24.42	24.41	24.39	24.38	24.36	24.48	24.54	24.36
13	24.34	24.32	24.30	24.28	24.26	24.28	24.28	24.27	24.27	24.27	24.29	24.32	24.31	24.32	24.33	24.34	24.35	24.35	24.35	24.36	24.34	24.32	24.29	24.28	24.31	24.36	24.26
14	24.26	24.25	24.23	24.21	24.20	24.20	24.18	24.19	24.19	24.20	24.21	24.23	24.24	24.23	24.24	24.25	24.26	24.26	24.26	24.26	24.26	24.25	24.23	24.22	24.23	24.26	24.18
15	24.21	24.20	24.18	24.15	24.14	24.13	24.12	24.11	24.11	24.12	24.13	24.13	24.12	24.12	24.13	24.16	24.20	24.22	24.25	24.27	24.28	24.29	24.28	24.28	24.18	24.29	24.11
16	24.27	24.25	24.24	24.23	24.22	24.21	24.21	24.21	24.23	24.23	24.25	24.26	24.25	24.23	24.24	24.26	24.26	24.27	24.27	24.27	24.26	24.26	24.26	24.25	24.25	24.27	24.21
17	24.24	24.24	24.24	24.23	24.21	24.22	24.20	24.19	24.19	24.17	24.15	Au	Au	Au	Au	Au	24.01	23.99	23.98	23.97	23.96	23.96	23.95	23.93	24.11	24.24	23.93
18	23.90	23.87	23.86	23.84	23.83	23.82	23.80	23.79	23.78	23.76	23.75	23.73	23.72	23.74	23.76	23.79	23.83	23.88	23.89	23.91	23.91	23.92	23.93	23.94	23.83	23.94	23.72
19	23.97	23.97	23.99	24.01	24.03	24.07	24.08	24.10	24.14	24.16	24.18	24.20	24.19	24.16	24.15	24.14	24.13	24.13	24.14	24.15	24.16	24.17	24.18	24.19	24.12	24.20	23.97
20	24.19	24.20	24.23	24.25	24.27	24.30	24.32	24.33	24.34	24.36	24.37	24.37	24.37	24.38	24.39	24.42	24.43	24.44	24.46	24.49	24.51	24.53	24.54	24.54	24.38	24.54	24.19
21	24.55	24.56	24.56	24.54	24.55	24.55	24.54	24.54	24.53	24.52	24.51	24.50	24.47	24.44	24.43	24.42	24.42	24.42	24.40	24.39	24.38	24.37	24.36	24.35	24.47	24.56	24.35
22	24.34	24.33	24.33	24.32	24.31	24.32	24.33	24.34	24.35	24.36	24.37	24.37	24.36	24.36	24.37	24.39	24.39	24.41	24.42	24.44	24.46	24.49	24.50	24.52	24.38	24.52	24.31
23	24.53	24.54	24.55	24.55	24.56	24.56	24.57	24.57	24.57	24.55	24.55	24.54	24.52	24.49	24.48	24.47	24.46	24.47	24.45	24.45	24.46	24.47	24.48	24.49	24.51	24.57	24.45
24	24.49	24.50	24.50	24.50	24.50	24.51	24.52	24.53	24.54	24.54	24.55	24.55	24.54	24.52	24.51	24.50	24.50	24.49	24.49	24.50	24.51	24.51	24.51	24.52	24.51	24.55	24.49
25	24.52	24.52	24.52	24.52	24.52	24.52	24.52	24.53	24.53	24.52	24.54	24.54	24.53	24.51	24.50	24.49	24.50	24.51	24.50	24.50	24.51	24.52	24.52	24.52	24.52	24.54	24.49
26	24.53	24.53	24.53	24.52	24.52	24.52	24.52	24.51	24.51	24.50	24.48	24.49	24.47	24.45	24.42	24.40	24.38	24.36	24.35	24.33	24.31	24.30	24.28	24.26	24.44	24.53	24.26
27	24.25	24.24	24.23	24.20	24.20	24.19	24.18	24.17	24.15	24.14	24.13	24.14	24.14	24.14	24.15	24.15	24.16	24.18	24.21	24.23	24.26	24.29	24.31	24.33	24.20	24.33	24.13
28	24.33	24.34	24.35	24.35	24.35	24.35	24.35	24.35	24.34	24.33	24.32	24.29	24.27	24.26	24.24	24.24	24.23	24.22	24.21	24.21	24.20	24.20	24.19	24.21	24.28	24.35	24.19
29	24.22	24.21	24.21	24.20	24.20	24.20	24.20	24.21	24.22	24.23	24.25	24.26	24.27	24.27	24.29	24.31	24.32	24.34	24.35	24.38	24.39	24.40	24.42	24.41	24.28	24.42	24.20
Avg	24.37	24.36	24.36	24.36	24.36	24.36	24.36	24.37	24.37	24.37	24.37	24.38	24.37	24.36	24.36	24.36	24.36	24.36	24.36	24.37	24.37	24.37	24.38	24.38	24.37	24.44	24.28
Max	24.73	24.73	24.74	24.74	24.75	24.76	24.77	24.78	24.78	24.77	24.76	24.76	24.75	24.73	24.71	24.71	24.70	24.69	24.69	24.69	24.69	24.70	24.72	24.72	24.73	24.78	24.68
Min	23.90	23.87	23.86	23.84	23.83	23.82	23.80	23.79	23.78	23.76	23.75	23.73	23.72	23.74	23.76	23.79	23.83	23.88	23.89	23.91	23.91	23.92	23.93	23.93	23.83	23.94	23.72

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
March 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.40	24.41	24.42	24.41	24.40	24.40	24.39	24.38	24.38	24.36	24.35	24.34	24.31	24.28	24.25	24.23	24.22	24.20	24.19	24.19	24.16	24.14	24.13	24.11	24.29	24.42	24.11
2	24.09	24.08	24.07	24.12	24.14	24.15	24.17	24.17	24.18	24.19	24.19	24.20	24.20	24.22	24.24	24.27	24.29	24.31	24.33	24.34	24.34	24.34	24.34	24.34	24.22	24.34	24.07
3	24.34	24.35	24.34	24.31	24.29	24.28	24.28	24.27	24.27	24.27	24.27	24.28	24.27	24.25	24.24	24.25	24.26	24.29	24.30	24.30	24.29	24.32	24.33	24.34	24.29	24.35	24.24
4	24.36	24.37	24.38	24.38	24.39	24.40	24.41	24.42	24.42	24.43	24.44	24.43	24.41	24.38	24.37	24.36	24.35	24.33	24.32	24.31	24.30	24.30	24.30	24.28	24.37	24.44	24.28
5	24.26	24.25	24.22	24.21	24.19	24.18	24.16	24.15	24.14	24.14	24.13	24.12	24.10	24.09	24.09	24.09	24.09	24.09	24.09	24.11	24.10	24.10	24.10	24.08	24.14	24.26	24.08
6	24.08	24.07	24.06	24.04	24.02	24.00	23.98	23.97	23.95	23.94	23.92	23.90	23.87	23.85	23.86	23.86	23.88	23.90	23.92	23.94	23.95	23.96	23.95	23.96	23.95	24.08	23.85
7	23.97	23.98	23.99	23.99	24.00	24.01	24.02	24.05	24.06	24.08	24.09	24.09	24.09	24.08	24.08	24.08	24.09	24.11	24.12	24.14	24.15	24.16	24.16	24.17	24.07	24.17	23.97
8	24.17	24.17	24.17	24.18	24.19	24.20	24.20	24.20	24.21	24.20	24.20	24.19	24.18	24.17	24.17	24.17	24.17	24.16	24.16	24.16	24.18	24.18	24.19	24.20	24.18	24.21	24.16
9	24.19	24.19	24.18	24.18	24.19	24.20	24.21	24.22	24.24	24.26	24.26	24.26	24.26	24.25	24.25	24.26	24.26	24.25	24.25	24.25	24.25	24.26	24.25	24.23	24.23	24.26	24.18
10	24.23	24.24	24.23	24.21	24.20	24.21	24.21	24.22	24.23	24.24	24.24	24.22	24.21	24.21	24.19	24.19	24.19	24.20	24.21	24.22	24.23	24.23	24.26	24.29	24.22	24.29	24.19
11	24.32	24.34	24.34	24.33	24.33	24.33	24.33	24.32	24.32	24.33	24.32	24.31	24.29	24.26	24.24	24.23	24.21	24.19	24.19	24.17	24.15	24.15	24.14	24.12	24.26	24.34	24.12
12	24.11	24.09	24.07	24.05	24.04	24.03	24.03	24.03	24.05	24.04	24.04	24.04	24.04	24.04	24.04	24.03	24.04	24.07	24.07	24.08	24.08	24.07	24.07	24.07	24.06	24.11	24.03
13	24.07	24.09	24.09	24.11	24.12	24.12	24.11	24.12	24.13	24.13	24.13	24.12	24.09	24.06	24.02	24.00	23.98	23.97	23.96	23.95	23.95	23.95	23.96	23.93	24.05	24.13	23.93
14	23.90	23.88	23.86	23.84	23.86	23.88	23.89	Pw	23.91	23.93	23.95	23.96	23.97	23.98	23.99	24.01	24.02	24.03	24.05	24.08	24.10	24.12	24.12	24.13	23.98	24.13	23.84
15	24.14	24.14	24.15	24.15	24.15	24.16	24.17	24.18	24.18	24.19	24.21	24.21	24.21	24.21	24.20	24.21	24.21	24.21	24.22	24.23	24.24	24.25	24.27	24.28	24.20	24.28	24.14
16	24.28	24.29	24.30	24.31	24.31	24.32	24.32	24.33	24.34	24.33	24.32	24.33	24.32	24.30	24.29	24.28	24.28	24.29	24.28	24.29	24.29	24.30	24.31	24.31	24.30	24.34	24.28
17	24.32	24.32	24.33	24.33	24.33	24.34	24.35	24.36	24.37	24.37	24.39	24.40	24.42	24.41	24.41	24.42	24.42	24.43	24.45	24.46	24.48	24.48	24.49	24.50	24.40	24.50	24.32
18	24.50	24.49	24.49	24.49	24.50	24.50	24.51	24.51	24.52	24.52	24.52	24.52	24.53	24.53	24.53	24.52	24.52	24.52	24.52	24.52	24.53	24.54	24.55	24.55	24.52	24.55	24.49
19	24.56	24.56	24.55	24.56	24.55	24.55	24.56	24.56	24.56	24.55	24.56	24.55	24.54	24.53	24.52	24.50	24.49	24.48	24.48	24.46	24.45	24.45	24.45	24.45	24.52	24.56	24.45
20	24.45	24.45	24.44	24.44	24.43	24.43	24.43	24.42	24.41	24.41	24.41	24.40	24.38	24.36	24.34	24.31	24.29	24.27	24.27	24.25	24.23	24.22	24.21	24.21	24.35	24.45	24.21
21	24.19	24.18	24.17	24.15	24.14	24.13	24.13	24.14	24.15	24.16	24.16	24.15	24.15	24.13	24.12	24.11	24.09	24.08	24.08	24.08	24.09	24.08	24.07	24.06	24.12	24.19	24.06
22	24.05	24.03	24.03	24.01	24.00	23.99	23.99	23.99	24.01	24.03	24.04	24.05	24.06	24.08	24.09	24.11	24.13	24.15	24.18	24.20	24.22	24.23	24.25	24.25	24.09	24.25	23.99
23	24.27	24.28	24.30	24.31	24.31	24.32	24.33	24.34	24.35	24.36	24.38	24.38	24.38	24.38	24.38	24.37	24.36	24.36	24.35	24.35	24.35	24.34	24.33	24.33	24.34	24.38	24.27
24	24.32	24.31	24.30	24.28	24.26	24.24	24.23	24.22	24.20	24.19	24.19	24.18	24.15	24.14	24.12	24.11	24.10	24.11	24.10	24.12	24.13	24.14	24.15	24.15	24.19	24.32	24.10
25	24.15	24.15	24.16	24.16	24.16	24.16	24.17	24.18	24.19	24.20	24.21	24.22	24.22	24.23	24.23	24.24	24.25	24.26	24.28	24.29	24.31	24.32	24.33	24.33	24.23	24.33	24.15
26	24.33	24.34	24.35	24.36	24.36	24.37	24.36	24.36	24.36	24.36	24.36	24.35	24.34	24.32	24.31	24.30	24.29	24.28	24.28	24.27	24.27	24.28	24.28	24.28	24.32	24.37	24.27
27	24.28	24.27	24.26	24.25	24.24	24.24	24.24	24.24	24.24	24.24	24.22	24.21	24.21	24.19	24.16	24.15	24.13	24.13	24.14	24.15	24.16	24.16	24.15	24.15	24.20	24.28	24.13
28	24.14	24.13	24.14	24.14	24.14	24.14	24.16	24.17	24.18	24.19	24.20	24.20	24.20	24.20	24.19	24.20	24.20	24.21	24.21	24.22	24.22	24.23	24.23	24.23	24.19	24.23	24.13
29	24.23	24.23	24.24	24.23	24.24	24.24	24.24	24.25	24.26	24.27	24.27	24.27	24.26	24.26	24.25	24.26	24.27	24.28	24.29	24.29	24.31	24.30	24.30	24.31	24.26	24.31	24.23
30	24.31	24.30	24.29	24.30	24.30	24.30	24.32	24.32	24.33	24.33	24.33	24.31	24.29	24.28	24.27	24.27	24.26	24.26	24.26	24.26	24.27	24.28	24.29	24.30	24.29	24.33	24.26
31	24.31	24.32	24.32	24.32	24.32	24.33	24.33	24.33	24.34	24.35	24.36	24.37	24.38	24.38	24.39	24.40	24.40	24.41	24.41	24.42	24.43	24.43	24.44	24.44	24.37	24.44	24.31
Avg	24.24	24.24	24.23	24.23	24.23	24.23	24.23	24.25	24.24	24.24	24.25	24.24	24.24	24.23	24.22	24.22	24.22	24.22	24.22	24.23	24.23	24.24	24.24	24.24	24.23	24.31	24.16
Max	24.56	24.56	24.55	24.56	24.55	24.55	24.56	24.56	24.56	24.55	24.56	24.55	24.54	24.53	24.53	24.52	24.52	24.52	24.52	24.52	24.53	24.54	24.55	24.55	24.52	24.56	24.49
Min	23.90	23.88	23.86	23.84	23.86	23.88	23.89	23.97	23.91	23.93	23.92	23.90	23.87	23.85	23.86	23.86	23.88	23.90	23.92	23.94	23.95	23.95	23.95	23.93	23.95	24.08	23.84

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
January 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	79.8	78.8	78.0	76.8	77.7	76.6	76.4	76.6	77.7	77.9	77.4	78.3	73.3	61.5	54.1	49.8	67.0	78.6	83.4	83.9	83.7	82.4	82.1	81.2	75.5	83.9	49.8
2	80.6	80.4	80.4	80.2	79.6	79.7	80.5	80.7	80.6	81.8	80.4	80.3	71.9	60.0	59.1	60.1	71.4	81.2	85.9	85.0	83.5	80.7	82.0	79.4	77.7	85.9	59.1
3	79.3	79.3	79.3	80.2	80.4	80.3	79.8	79.8	82.5	84.9	84.1	77.8	72.3	64.2	60.3	66.5	80.1	79.6	79.8	80.9	82.2	84.7	85.5	85.0	78.7	85.5	60.3
4	84.5	85.1	83.7	83.0	83.7	85.8	85.4	85.3	85.5	81.1	77.6	70.9	67.7	66.0	66.4	64.7	71.7	78.9	81.2	85.2	82.0	83.9	83.2	84.1	79.4	85.8	64.7
5	83.9	86.5	86.3	87.5	87.0	86.9	86.8	86.6	86.2	84.9	82.5	80.4	81.4	75.9	73.0	77.6	82.3	90.4	92.2	91.8	89.6	88.6	88.2	88.2	85.2	92.2	73.0
6	87.3	87.2	86.4	86.6	86.1	87.4	88.9	88.9	88.9	89.8	91.4	92.8	92.7	93.5	91.7	92.1	91.4	92.2	90.8	91.2	90.4	91.1	90.6	90.9	90.0	93.5	86.1
7	91.4	91.0	90.7	89.5	89.1	90.5	90.0	89.3	88.0	85.7	83.8	82.8	80.7	79.2	81.5	81.9	82.4	82.0	81.3	81.7	82.0	82.1	82.1	82.6	85.1	91.4	79.2
8	82.6	83.1	83.4	82.3	80.4	79.6	79.5	79.8	80.0	79.6	78.5	72.9	63.0	62.4	68.7	79.4	83.3	85.1	85.9	86.5	86.3	86.6	86.9	86.6	80.1	86.9	62.4
9	87.0	86.9	87.4	86.8	86.6	86.3	86.7	86.4	86.4	83.8	70.5	66.1	68.3	69.8	69.5	70.3	70.9	71.4	73.1	73.1	81.1	87.5	85.5	81.9	79.3	87.5	66.1
10	81.5	81.6	79.6	78.6	78.3	78.4	78.2	77.7	78.0	79.4	80.6	83.8	71.6	65.6	63.9	65.2	68.5	71.0	72.0	79.6	82.1	83.5	84.8	83.2	76.9	84.8	63.9
11	83.2	81.2	81.0	79.7	80.3	79.2	78.7	78.5	77.7	78.7	79.0	76.2	52.4	39.5	39.4	37.3	35.4	39.9	49.3	65.8	70.7	72.1	73.5	69.7	66.6	83.2	35.4
12	68.0	70.9	70.7	69.0	69.6	73.4	71.7	70.4	69.4	69.9	68.7	67.3	65.6	64.7	64.4	63.1	64.0	69.1	75.2	79.5	83.5	84.9	83.4	84.9	71.7	84.9	63.1
13	81.3	80.7	81.4	82.8	83.9	84.1	81.6	82.6	80.9	77.9	70.6	59.6	46.4	46.2	46.4	51.0	50.8	55.0	57.0	61.9	73.6	82.1	75.1	68.5	69.2	84.1	46.2
14	78.6	92.6	93.7	91.8	85.7	83.6	81.1	81.9	85.6	86.6	84.1	83.7	83.7	84.8	84.7	85.2	84.6	86.3	87.6	86.9	84.0	76.2	76.4	83.0	84.7	93.7	76.2
15	85.5	86.7	87.9	88.9	85.2	84.0	84.6	85.0	85.5	85.6	86.4	84.6	77.4	74.8	80.0	80.3	81.8	80.5	76.3	77.8	78.3	78.8	81.7	85.4	82.6	88.9	74.8
16	84.2	80.0	76.1	74.0	75.2	75.2	76.3	81.2	84.5	82.6	76.4	76.1	71.5	63.5	64.9	71.2	79.0	86.7	89.2	89.6	89.1	89.3	89.5	89.1	79.8	89.6	63.5
17	88.4	88.2	88.3	87.8	87.3	86.9	86.8	86.3	85.1	81.4	77.3	73.4	71.7	67.0	62.2	62.9	72.4	86.5	87.9	88.8	85.9	84.6	84.3	87.3	81.6	88.8	62.2
18	86.7	85.3	79.5	78.5	77.8	85.8	86.6	87.6	89.7	86.5	85.4	81.8	78.0	75.2	73.4	70.8	70.4	69.0	69.9	76.3	86.1	89.1	86.8	84.3	80.9	89.7	69.0
19	83.4	82.2	81.5	80.5	79.9	79.8	81.3	82.1	83.1	86.0	86.9	87.2	75.5	59.2	60.4	63.0	67.5	72.9	71.4	70.6	70.1	74.0	76.3	73.1	76.2	87.2	59.2
20	79.7	86.3	88.0	89.5	92.3	92.6	92.9	92.2	87.5	88.2	86.2	82.9	74.1	68.3	67.2	68.5	70.6	71.5	73.2	75.4	73.3	73.3	73.1	71.9	79.9	92.9	67.2
21	74.2	75.0	80.8	88.0	87.9	86.5	86.9	86.4	85.7	81.8	80.2	66.8	64.8	79.1	72.4	68.4	69.6	76.0	78.2	79.8	81.6	82.9	85.3	87.8	79.4	88.0	64.8
22	91.3	91.7	90.8	91.3	90.1	91.6	91.6	91.4	91.8	90.5	81.5	66.3	59.9	52.0	51.5	52.8	69.3	57.9	49.5	50.0	51.9	59.5	74.8	80.2	73.7	91.8	49.5
23	77.6	78.7	73.8	81.5	87.9	88.4	87.1	86.7	87.3	87.4	87.4	87.4	82.3	72.1	68.0	61.6	68.7	70.7	76.0	90.5	94.2	94.7	94.8	94.6	82.5	94.8	61.6
24	94.4	95.1	94.8	94.5	92.7	89.7	88.3	87.7	87.3	88.5	88.8	86.4	77.2	75.6	82.8	86.6	87.2	87.7	89.3	85.3	84.1	82.7	83.9	85.7	87.3	95.1	75.6
25	87.8	88.6	87.1	88.1	89.0	90.8	88.3	84.8	83.4	82.2	66.8	62.4	68.9	67.7	65.9	66.2	68.3	75.6	85.6	86.4	83.0	81.6	80.7	79.9	79.5	90.8	62.4
26	78.8	78.4	77.9	78.3	78.9	79.9	80.0	81.4	84.5	85.6	83.6	71.8	66.8	66.2	63.0	61.8	64.1	80.7	83.8	84.7	86.9	87.7	86.6	82.5	78.1	87.7	61.8
27	82.3	82.8	78.5	85.6	84.4	85.8	87.1	88.1	88.2	84.3	76.3	66.5	68.1	66.4	64.9	66.8	68.3	76.3	80.1	79.8	86.1	89.4	89.3	89.2	79.8	89.4	64.9
28	90.9	92.6	92.2	92.8	92.1	89.9	89.5	89.6	90.6	91.5	91.6	66.5	52.5	52.7	41.7	41.6	45.4	53.1	58.7	63.7	59.3	63.1	66.6	76.6	72.7	92.8	41.6
29	77.3	65.6	57.2	55.5	60.6	62.8	63.0	68.4	66.0	62.4	64.9	59.8	52.9	55.9	62.9	79.6	87.9	86.6	84.0	80.5	77.8	75.9	65.2	63.7	68.2	87.9	52.9
30	59.4	60.0	57.7	59.2	60.2	62.5	68.8	73.3	65.2	60.8	58.4	57.2	57.3	57.6	58.4	61.0	66.9	72.1	76.3	80.7	83.2	84.5	84.9	84.7	67.1	84.9	57.2
31	83.3	83.4	83.4	85.2	83.7	84.1	84.8	83.2	82.8	80.7	74.8	70.8	67.3	66.1	63.5	66.8	67.3	75.8	82.9	86.0	85.3	83.2	83.3	82.9	78.8	86.0	63.5
Avg	82.4	82.8	81.9	82.4	82.4	82.8	82.9	83.2	83.1	82.2	79.4	74.9	69.6	66.2	65.4	66.9	71.2	75.5	77.6	80.0	81.0	82.0	82.1	82.2	78.3	88.7	62.5
Max	94.4	95.1	94.8	94.5	92.7	92.6	92.9	92.2	91.8	91.5	91.6	92.8	92.7	93.5	91.7	92.1	91.4	92.2	92.2	91.8	94.2	94.7	94.8	94.6	90.0	95.1	86.1
Min	59.4	60.0	57.2	55.5	60.2	62.5	63.0	68.4	65.2	60.8	58.4	57.2	46.4	39.5	39.4	37.3	35.4	39.9	49.3	50.0	51.9	59.5	65.2	63.7	66.6	83.2	35.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
February 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	83.2	83.4	82.9	82.6	80.7	81.4	81.6	81.9	80.6	80.6	79.0	74.0	72.1	73.5	67.1	74.3	77.2	85.1	85.5	86.0	83.8	83.3	83.1	83.2	80.3	86.0	67.1
2	83.0	82.2	82.0	82.1	81.9	80.1	80.0	78.7	79.8	74.6	71.8	64.9	57.7	66.0	65.7	59.5	66.5	71.0	75.1	82.9	84.6	86.6	84.0	81.1	75.9	86.6	57.7
3	78.9	77.8	76.0	75.5	75.1	75.3	74.5	74.8	75.1	78.2	74.7	71.9	60.8	57.7	62.5	67.5	62.0	60.9	61.9	64.5	73.3	80.7	83.2	83.2	71.9	83.2	57.7
4	82.4	81.8	81.0	80.9	81.7	82.7	83.5	85.1	85.2	71.3	68.4	65.9	63.5	62.2	65.0	68.5	70.4	67.5	67.1	67.9	68.7	69.0	69.4	72.0	73.4	85.2	62.2
5	73.9	81.9	85.6	85.0	83.9	82.9	82.6	86.6	84.6	74.9	63.0	64.2	63.6	62.7	61.0	59.9	58.4	59.6	64.6	70.7	67.8	71.7	72.9	79.4	72.6	86.6	58.4
6	81.4	75.4	71.1	65.0	65.1	73.2	66.0	54.1	79.1	71.0	57.0	51.3	51.6	52.5	53.0	53.8	55.5	55.6	55.8	58.5	59.2	60.8	61.4	62.7	62.1	81.4	51.3
7	65.6	67.5	68.5	70.3	72.0	76.8	80.9	81.7	78.9	63.9	62.0	56.9	48.4	43.0	43.6	47.4	47.9	48.5	48.1	51.3	55.0	59.3	67.8	71.0	61.5	81.7	43.0
8	73.6	77.9	79.4	82.2	82.8	84.5	85.0	85.7	82.9	75.8	70.0	66.4	50.8	52.9	59.2	62.5	64.7	70.6	78.3	85.0	87.3	91.2	91.6	90.7	76.3	91.6	50.8
9	88.4	87.8	87.0	85.8	85.6	84.7	84.5	84.0	85.8	87.4	90.2	84.9	74.0	50.8	38.2	39.7	43.3	63.4	76.1	77.0	82.5	84.8	86.9	88.9	76.7	90.2	38.2
10	88.9	88.5	88.5	87.2	86.4	85.9	85.5	84.5	85.8	86.7	73.7	42.2	49.3	46.2	45.1	52.4	51.2	61.0	67.1	50.3	54.7	65.0	60.2	49.7	68.2	88.9	42.2
11	54.5	57.7	59.4	59.4	60.5	60.5	63.2	62.9	66.3	59.6	55.7	53.4	51.8	47.0	53.7	57.9	56.9	59.6	61.3	70.6	75.2	79.4	83.1	83.3	62.2	83.3	47.0
12	85.4	84.6	84.2	89.8	92.0	92.8	93.3	93.6	93.2	88.5	75.7	75.8	78.6	81.0	75.2	81.1	80.7	86.4	89.6	91.7	91.3	92.9	94.3	94.8	86.9	94.8	75.2
13	94.4	94.3	93.8	92.6	91.9	92.8	90.5	85.7	74.4	69.3	62.4	61.6	60.6	68.0	59.3	57.9	56.0	59.0	59.4	63.5	67.6	67.2	58.9	56.5	72.4	94.4	56.0
14	58.9	72.5	75.4	76.4	75.6	74.2	71.6	67.9	67.7	67.3	63.7	56.9	52.0	48.8	51.5	55.1	55.6	57.3	57.5	59.9	63.9	67.7	72.3	73.2	64.3	76.4	48.8
15	75.8	76.9	78.0	74.3	81.4	86.8	89.3	89.0	87.9	85.7	81.0	80.8	78.7	70.7	69.9	72.3	91.5	91.8	89.7	90.6	84.9	79.4	89.2	89.4	82.7	91.8	69.9
16	90.2	89.5	90.8	87.3	75.6	72.3	66.1	62.0	64.0	64.2	63.9	66.8	64.6	64.6	64.1	66.7	69.4	70.5	75.1	79.7	81.6	84.6	83.2	88.0	74.4	90.8	62.0
17	88.1	89.5	89.3	88.7	88.9	86.8	86.8	89.6	84.5	81.0	76.2	Au	Au	Au	Au	Au	51.6	55.6	57.3	66.8	71.4	73.8	72.1	62.9	76.9	89.6	51.6
18	64.9	70.9	62.4	60.7	52.5	53.0	57.2	63.9	65.0	63.4	61.7	61.4	61.7	80.4	77.7	69.8	69.5	58.3	56.5	58.7	62.5	54.0	54.3	57.4	62.4	80.4	52.5
19	67.6	63.0	61.8	58.3	62.6	65.4	67.6	68.4	58.2	53.4	49.9	49.2	46.1	41.8	44.1	45.3	45.3	50.0	56.0	60.2	63.4	50.1	52.5	63.1	56.0	68.4	41.8
20	68.8	64.1	85.9	75.8	66.7	65.1	63.8	64.0	65.6	60.8	57.9	56.2	55.7	59.6	66.0	62.4	64.0	57.4	57.9	61.0	63.3	65.6	65.7	66.4	64.2	85.9	55.7
21	68.1	73.8	78.5	79.7	81.7	85.7	86.0	85.5	82.2	63.4	56.0	52.1	42.4	39.6	38.4	36.5	38.4	41.5	49.3	59.6	66.1	62.4	66.8	60.3	62.2	86.0	36.5
22	58.6	62.2	63.1	61.8	59.9	59.9	59.7	58.7	59.8	57.1	52.1	47.2	44.5	47.1	48.6	55.5	56.4	58.2	58.2	61.9	67.0	75.3	78.7	80.1	59.7	80.1	44.5
23	82.4	84.1	83.6	82.8	83.3	83.8	82.3	82.3	78.4	65.9	59.8	55.7	42.6	43.9	44.1	43.4	40.7	38.7	42.3	44.0	55.3	60.4	66.2	69.3	63.1	84.1	38.7
24	71.7	72.7	77.7	78.7	80.6	80.4	80.5	80.3	72.4	60.5	46.3	46.0	41.0	43.0	41.8	41.4	39.5	44.2	56.5	65.4	66.5	71.7	76.2	79.3	63.1	80.6	39.5
25	78.5	80.0	82.0	82.6	83.8	84.4	84.8	83.8	79.3	63.0	53.6	47.2	37.0	34.8	36.0	36.5	38.3	42.1	48.4	60.1	65.9	72.6	73.4	77.6	63.6	84.8	34.8
26	81.1	84.0	86.4	87.3	87.0	87.1	87.5	86.8	82.8	71.1	62.5	45.8	37.4	30.4	29.0	25.2	28.5	41.9	50.8	57.5	61.4	65.5	67.1	65.8	62.9	87.5	25.2
27	70.2	69.9	74.5	75.1	77.4	79.2	82.6	85.1	80.0	70.3	70.4	56.7	70.2	81.8	76.4	70.7	67.5	66.3	67.0	68.7	68.9	68.8	68.1	68.2	72.3	85.1	56.7
28	74.7	81.3	83.5	84.1	86.4	87.2	89.2	88.5	80.5	68.5	54.5	50.8	51.4	55.4	49.9	46.6	48.4	49.8	53.5	55.9	61.8	71.6	73.5	84.2	68.0	89.2	46.6
29	73.9	58.7	55.4	54.9	56.4	60.6	64.0	60.9	59.1	60.0	59.4	55.8	52.2	52.0	51.5	50.4	49.5	51.3	53.6	55.3	58.6	62.1	70.6	69.2	58.1	73.9	49.5
Avg	76.1	77.0	78.2	77.5	77.2	78.1	78.3	77.8	76.5	70.3	64.6	59.4	55.7	55.6	54.9	55.7	56.7	59.4	62.7	66.4	69.4	71.6	73.3	74.2	68.7	85.1	50.4
Max	94.4	94.3	93.8	92.6	92.0	92.8	93.3	93.6	93.2	88.5	90.2	84.9	78.7	81.8	77.7	81.1	91.5	91.8	89.7	91.7	91.3	92.9	94.3	94.8	86.9	94.8	75.2
Min	54.5	57.7	55.4	54.9	52.5	53.0	57.2	54.1	58.2	53.4	46.3	42.2	37.0	30.4	29.0	25.2	28.5	38.7	42.3	44.0	54.7	50.1	52.5	49.7	56.0	68.4	25.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
March 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	74.0	77.4	80.3	80.9	82.5	84.3	84.3	83.7	79.9	66.0	54.6	47.4	44.8	55.8	65.7	64.0	61.2	57.7	63.1	64.5	67.6	67.9	62.6	56.1	67.8	84.3	44.8
2	56.8	67.5	70.3	79.2	70.2	71.0	65.5	58.7	61.4	62.3	61.9	62.1	60.5	56.7	55.5	54.6	54.2	53.3	58.4	64.3	66.5	74.0	79.9	80.0	64.4	80.0	53.3
3	80.1	84.0	82.6	82.0	80.1	77.6	77.2	76.6	73.6	69.5	64.8	51.7	35.6	39.8	41.3	42.5	54.7	65.5	57.4	53.7	57.1	61.5	63.4	67.2	64.1	84.0	35.6
4	72.2	74.0	77.4	82.1	83.3	82.9	84.9	83.4	74.2	63.9	44.9	35.9	30.1	35.3	26.1	34.2	35.5	38.8	42.4	49.7	60.7	65.1	71.2	72.2	59.2	84.9	26.1
5	71.5	75.5	74.0	76.3	76.8	79.1	77.7	79.7	70.9	58.1	40.6	39.1	42.3	39.3	38.9	40.1	41.3	40.4	58.3	65.2	66.5	71.6	68.3	71.1	60.9	79.7	38.9
6	76.7	62.3	64.6	77.0	79.6	83.6	76.2	77.0	78.4	62.6	53.9	55.2	50.8	49.6	58.8	75.7	83.3	88.2	91.5	88.9	86.6	85.4	86.6	84.5	74.0	91.5	49.6
7	79.4	75.2	78.9	80.3	80.2	82.8	83.3	86.7	84.4	72.4	65.5	57.5	51.1	43.2	39.5	39.6	43.5	50.8	57.4	69.6	77.2	78.8	81.2	85.6	68.5	86.7	39.5
8	82.9	82.1	85.5	87.1	88.2	88.2	86.9	83.3	68.0	67.7	67.6	75.7	67.8	65.3	66.4	67.1	59.7	53.4	59.5	67.4	74.9	77.1	79.3	81.9	74.3	88.2	53.4
9	81.8	83.1	84.8	85.9	87.0	86.4	86.6	85.0	74.7	66.4	66.9	58.7	53.8	52.7	53.3	49.7	48.3	48.3	59.2	68.3	73.3	79.4	79.0	65.9	69.9	87.0	48.3
10	67.0	64.8	64.9	65.1	65.4	64.5	61.2	61.0	56.2	53.5	50.2	49.3	47.1	44.4	45.8	47.9	48.3	49.9	52.1	54.6	58.6	58.3	66.0	77.4	57.2	77.4	44.4
11	78.0	77.3	73.8	66.8	68.1	71.6	74.1	76.7	80.4	67.3	61.8	51.7	51.2	54.3	58.6	70.5	73.3	74.7	73.8	71.1	69.6	67.2	60.1	55.4	67.8	80.4	51.2
12	52.9	55.2	70.5	77.2	80.7	83.0	84.6	82.8	71.6	64.2	46.9	43.8	52.2	60.7	63.9	63.5	65.6	85.0	88.0	92.2	91.1	89.9	89.9	80.8	72.3	92.2	43.8
13	73.1	69.8	82.0	92.6	92.7	92.9	92.3	91.5	85.4	82.2	72.3	62.8	65.3	65.1	55.4	55.2	55.0	50.1	52.8	56.6	58.3	63.5	82.1	87.4	72.3	92.9	50.1
14	88.7	87.9	85.5	82.5	90.1	91.6	91.0	Pw	83.4	80.1	76.2	68.7	60.6	62.7	71.4	70.3	60.9	55.1	55.9	68.5	63.4	71.2	70.6	67.5	74.1	91.6	55.1
15	66.1	64.4	65.5	66.5	67.2	65.4	63.1	61.3	60.7	60.3	57.8	59.0	61.2	63.4	59.4	61.6	48.5	48.2	48.6	52.5	55.8	58.4	63.6	66.3	60.2	67.2	48.2
16	68.9	77.3	80.7	81.5	81.9	82.8	84.0	84.4	82.4	69.3	61.7	57.6	54.8	51.0	47.0	43.5	62.5	71.6	54.6	53.6	57.8	67.5	69.9	78.8	67.7	84.4	43.5
17	82.5	84.8	82.8	81.9	81.5	83.1	83.6	83.8	82.9	76.5	62.8	62.8	56.6	55.9	60.3	57.7	52.0	59.4	62.7	62.6	67.9	77.0	81.0	81.7	71.8	84.8	52.0
18	82.7	81.1	76.0	79.8	76.6	76.7	75.5	69.9	68.1	72.2	64.2	58.5	53.8	50.0	48.5	47.7	46.0	45.8	46.8	54.6	59.5	66.2	69.4	70.4	64.2	82.7	45.8
19	72.6	71.6	71.9	73.6	76.0	76.1	78.9	79.5	69.0	59.2	50.7	31.3	30.1	26.9	26.9	23.2	22.5	20.5	25.8	38.1	47.5	57.5	60.6	64.5	52.3	79.5	20.5
20	65.1	65.2	64.5	69.5	72.8	74.4	75.5	76.3	66.8	56.7	47.0	36.3	21.8	23.7	23.4	25.5	28.6	29.4	35.4	45.2	56.8	61.2	70.3	73.3	52.7	76.3	21.8
21	73.7	70.6	69.8	76.5	74.6	75.0	78.9	81.7	70.0	58.7	57.0	52.1	50.5	48.1	51.4	51.4	43.7	43.7	47.5	56.4	69.3	73.6	77.1	80.5	63.8	81.7	43.7
22	82.6	85.3	85.7	85.8	87.1	83.7	84.6	83.4	90.3	94.5	93.8	88.3	89.8	88.1	86.7	87.2	83.3	86.3	86.8	87.7	88.7	87.9	90.6	91.3	87.5	94.5	82.6
23	92.4	91.3	90.8	89.6	89.0	89.2	89.1	88.8	87.4	82.9	69.6	74.6	74.7	76.3	76.5	79.0	58.9	50.1	47.5	46.8	54.3	64.8	66.7	69.7	75.0	92.4	46.8
24	72.3	66.8	68.1	67.7	73.6	80.1	82.0	85.7	79.7	74.1	74.4	76.5	68.5	78.8	69.9	74.9	66.8	59.2	48.1	55.1	60.5	67.8	71.3	74.0	70.7	85.7	48.1
25	75.1	77.0	80.1	83.7	85.5	86.3	88.0	88.6	84.0	82.6	80.3	77.8	79.1	73.6	71.4	64.0	59.4	63.2	66.7	65.5	66.4	70.6	71.4	74.7	75.6	88.6	59.4
26	80.5	82.6	83.2	83.0	82.2	83.7	85.7	84.0	80.9	74.5	67.7	61.0	59.3	55.2	48.2	46.2	40.0	37.7	39.6	45.8	63.0	71.5	73.2	76.2	66.9	85.7	37.7
27	79.1	81.1	83.2	83.7	85.0	83.8	85.0	84.1	75.9	64.5	46.6	36.1	36.4	35.5	35.2	35.1	35.6	39.5	53.2	74.7	93.4	94.0	91.8	94.0	66.9	94.0	35.1
28	94.4	92.8	90.8	91.2	91.5	91.1	91.0	90.2	81.3	73.9	66.8	65.4	58.9	50.6	45.4	38.8	37.2	45.0	55.7	64.6	72.6	76.5	72.3	70.0	71.2	94.4	37.2
29	69.6	71.7	72.4	75.4	77.0	79.7	81.5	79.6	77.5	78.8	79.8	77.1	77.6	79.9	78.1	78.9	78.4	74.1	75.2	79.4	74.2	77.3	80.5	81.3	77.3	81.5	69.6
30	80.8	82.0	83.5	81.8	85.5	88.0	88.6	80.0	76.1	67.3	61.0	49.1	47.6	48.3	54.7	54.4	56.6	71.1	88.1	88.2	87.5	86.9	85.3	85.8	74.1	88.6	47.6
31	85.8	85.5	88.7	92.4	91.8	86.7	89.8	88.2	86.1	84.7	70.0	76.4	77.4	78.1	69.3	68.1	66.1	68.9	73.6	75.9	77.4	76.2	79.3	85.3	80.1	92.4	66.1
Avg	76.1	76.4	77.8	80.0	80.8	81.5	81.6	80.5	76.2	69.9	62.6	58.0	55.2	55.1	54.6	55.2	53.9	55.6	58.9	63.9	68.5	72.4	74.7	75.8	68.5	85.7	46.4
Max	94.4	92.8	90.8	92.6	92.7	92.9	92.3	91.5	90.3	94.5	93.8	88.3	89.8	88.1	86.7	87.2	83.3	88.2	91.5	92.2	93.4	94.0	91.8	94.0	87.5	94.5	82.6
Min	52.9	55.2	64.5	65.1	65.4	64.5	61.2	58.7	56.2	53.5	40.6	31.3	21.8	23.7	23.4	23.2	22.5	20.5	25.8	38.1	47.5	57.5	60.1	55.4	52.3	67.2	20.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
January 2016

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.050	0.010	0.060	0.050	0.030	0.020	0.000	0.010	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.020	0.010	0.010	0.010	0.010	0.000	0.000	0.000	0.310	0.060
15	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.010	0.020	0.010	0.060	0.020
17	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.010
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.030	0.020	0.020	0.020	0.010	0.030	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.170	0.040
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.020
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.060	0.050	0.030	0.160	0.060
24	0.030	0.020	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.030	0.010	0.020	0.000	0.010	0.010	0.010	0.080	0.050	0.320	0.080
25	0.010	0.010	0.000	0.000	0.010	0.000	0.000	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.090	0.020
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.020
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.010
29	0.030	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.030
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.090	0.110	0.020	0.070	0.090	0.050	0.040	0.040	0.040	0.030	0.050	0.050	0.040	0.040	0.030	0.040	0.030	0.030	0.020	0.060	0.030	0.080	0.150	0.100	1.330	0.000
Max	0.030	0.050	0.010	0.060	0.050	0.030	0.020	0.020	0.020	0.030	0.040	0.020	0.010	0.010	0.030	0.030	0.020	0.020	0.010	0.020	0.010	0.060	0.080	0.050	0.320	0.080

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
February 2016

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.020
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Au	Au	Au	Au	Au	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.110	0.080
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.020	0.030	0.020
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.030	0.090	0.040	0.020	0.010	0.000	0.000	0.010	0.000	0.000	0.020	0.250	0.000
Max	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.080	0.030	0.020	0.010	0.000	0.000	0.010	0.000	0.000	0.020	0.110	0.080

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
March 2016

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.050	0.070	0.030	0.010	0.000	0.000	0.000	0.000	0.180	0.070
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
13	0.000	0.000	0.000	0.020	0.010	0.030	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.000	0.100	0.030
14	0.000	0.000	0.000	0.000	0.020	0.020	0.030	Pw	0.000	0.000	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.090	0.030
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.000	0.110	0.030	0.010	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.210	0.110
23	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.020	0.040	0.020
28	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.020
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.020	0.030	0.000	0.000	0.080	0.030
31	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
Tot	0.020	0.020	0.000	0.020	0.030	0.060	0.030	0.000	0.020	0.030	0.010	0.110	0.040	0.010	0.030	0.030	0.050	0.080	0.040	0.030	0.040	0.030	0.030	0.020	0.780	0.000
Max	0.020	0.010	0.000	0.020	0.020	0.030	0.030	0.000	0.010	0.020	0.010	0.110	0.030	0.010	0.020	0.020	0.050	0.070	0.030	0.020	0.020	0.030	0.030	0.020	0.210	0.110

APPENDIX B: PERFORMANCE AUDIT REPORTS FIRST QUARTER 2016

BISON
ENGINEERING, INC.

Bison Engineering

Preliminary Meteorological Parameters Audit Form

Audit Dates: 02/17/2016 Audit Start Time : 11:10 MST Audit End Time : 15:40 MST
Client: Tintina Resources
Site: Black Butte
AUDITOR: Steve Heck STATION OPERATOR: Jeff Bell

Temperature

Audit Device: Control Company - digital thermometer Model 4000
Meter S/N: 91255639 Temperature Sensor: Climatronics 100093
Last certified: 4/21/2015 S/N P12535 (Upper), S/N P12535 (Lower) - Matched Set

Temperature bath results

Audit Value °C	9m DAS Value °C	9m DAS Diff. °C	2m DAS Value °C	2m DAS Diff. °C	9m - 2m DAS Diff. °C
0.02	0.13	0.11	0.16	0.14	-0.03
14.02	13.99	-0.03	14.01	-0.01	-0.02
35.26	35.42	0.16	35.40	0.14	0.02

Wind Direction (Before potentiometer orientation adjustment)

Sensor height: 9 Meter
Sensor (Make/model number): Climatronics/ WMIII
Serial Number : 1849
Crossarm orientation (from Garmin GPS): 179.7 / 359.7
GPS location at sensor:
N 46 deg 46.373 min, W 110 deg 52.8855 min
GPS location at sighting point:
N 46 deg 46.317 min, W 110 deg 52.885 min
Sensor response aligned with crossarm (as found): 1.4

Linearity Audit Device: Climatronics 101966, SN 70

Threshold Torque: 0.04 oz.-in.
(Waters Model 366-1 torque watch)

	Linearity Check from DAS (as found)			
Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	1.4	1.4	1.4	1.4
30	33.7	33.6	3.7	3.6
60	62.7	62.7	2.7	2.7
90	92.5	92.5	2.5	2.5
120	123.6	123.4	3.6	3.4
150	152.9	152.8	2.9	2.8
180	182.7	182.4	2.7	2.4
210	212.3	212.0	2.3	2.0
240	242.3	241.9	2.3	1.9
270	271.7	271.5	1.7	1.5
300	302.2	302.0	2.2	2.0
330	331.9	331.8	1.9	1.8
		Max Diff	**3.7**	**3.6**

Wind Speed

Sensor height:: 9 Meter
Sensor (Make/model number): Climatronics/ WMIII
Serial Number : K2336C
Calibration device: Weathertronics 300 rpm synchronous motor
Weathertronics 600 rpm synchronous motor

Synchronous motor checks

Known Value RPM	Known Value m/s	DAS Value m/s	DAS Diff. m/s
0	0.22	0.22	0.00
300	6.66	6.66	0.00
600	13.09	13.09	0.00

Threshold Torque: <0.003 oz.-in.
(Waters Model 366-3 torque watch)

Wind direction sensor potentiometer alignment adjusted.

Wind Direction (After potentiometer orientation adjustment)

Sensor response aligned with crossarm (as left): 0.1

	Linearity Check from DAS (as left)			
Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	0.1	0.1	0.1	0.1
30	32.0	31.8	2.0	1.8
60	60.9	60.8	0.9	0.8
90	90.5	90.3	0.5	0.3
120	121.7	121.6	1.7	1.6
150	151.0	150.8	1.0	0.8
180	180.8	180.7	0.8	0.7
210	210.4	210.0	0.4	0.0
240	240.2	239.9	0.2	-0.1
270	269.7	269.5	-0.3	-0.5
300	300.1	299.9	0.1	-0.1
330	330.0	329.7	0.0	-0.3
		Max Diff	**2.0**	**1.8**

Solar Radiation

Audit Device: Eppley Pyranometer, SN 16166F3 (certified by Eppley September 2015)

Time (MST)	CTS Value (W/m2)	Site Value (W/m2)	Diff. (%)	Diff. (% FS)
1229	291	295	1.4	0.3
1231	285	288	1.1	0.2
1234	288	291	1.0	0.2

Relative Humidity

Site Sensor: Met One 083E-0-35
Sensor Height: 2 meters
Reference Std: Assmann Psychrometer, thermometer calibrations checked December 2015

Ref Dry-Bulb:	6.0	deg C	BP = 26.61 in. Hg
Ref Wet-Bulb	1.8	deg C	
Ref RH:	50.6	%RH	
Station RH:	50.6	%RH	
Diff:	0.0	%RH	

Barometric Pressure

Audit Device: Wallace & Tiernan Model FA185260, S/N LL03297.
Checked against Bison Mercury barometer (Butte) on 02/16/2016

Audit Value:	24.13	in Hg
Station Value:	24.13	in Hg
Diff:	0.00	in Hg

Precipitation

Rain Gauge = Met One Model 375
Level checked OK
Wind Screen in place
8" opening

559 ml water added
Calibration is 8.24 ml per tip
Known audit value is 559 / 8.24 = 67.8 tips (so 67 full tips expected)

Unit registered 67 tips
% difference from expected = 0.0%

Signature Site Operator:_____

Signature Auditor : Steven R Hall

TINTINA RESOURCES, INC.
BLACK BUTTE COPPER PROJECT AMBIENT AIR MONITORING PROGRAM
Quarterly Data Report
Second Quarter 2016

Prepared for:

Tintina Resources, Inc.
17 East Main Street
White Sulphur Springs, MT 59645

Prepared by:

Bison Engineering, Inc.
2751 Enterprise Ave., Ste. 2
Billings, MT 59102
(406) 896-1716
http://www.bison-eng.com

August 15, 2016

CERTIFICATION OF DATA INTEGRITY

Bison Engineering, Inc., certifies the data in this report is an accurate summary of the air quality conditions measured at the Black Butte Copper Project air monitoring site. Every effort was made to obtain accurate and representative data and to comply with the procedures set forth in the project-specific *Quality Assurance Project Plan*, the *State of Montana Ambient Air Monitoring Program Quality Assurance Project Plan (April 2013)*, and the Environmental Protection Agency's *Quality Assurance Handbook for Air Pollution Measurement Systems: Volume I, A Field Guide to Environmental Quality Assurance (April 1994), Volume II, Ambient Air Quality Program (May 2013), and Volume IV, Meteorological Measurements (March 2008).*

Preparer: Jeffrey S. Bell

Signature: Jeffrey S Bell

Title: Senior Field Technician

Date: 7-25-16

Reviewer: Steven R. Heck

Signature: Steven R Heck

Title: Meteorologist

Date: 7-29-16

TABLE OF CONTENTS

CERTIFICATION OF DATA INTEGRITY ii

1.0 INTRODUCTION 1

2.0 MONITORING SYSTEM OPERATIONS 3

3.0 CALIBRATION DATA 4

4.0 PERFORMANCE AUDIT DATA 5

5.0 DATA COMPLETENESS 6

6.0 MONITORING DATA 10

LIST OF TABLES

Table 1. Monthly Data Completeness 6
Table 2. Quarterly Data Completeness 9
Table 3. Missing Data Codes 11
Table 4. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 12
Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 13
Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 14
Table 7. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower 15

LIST OF FIGURES

Figure 1. Monitoring Site Location 2
Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower 16
Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower 17
Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower 18
Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower 19

APPENDICES

Appendix A: Meteorological Data
Appendix B: Performance Audit Reports
Appendix C: Evaporation and Precipitation Summary

1.0 INTRODUCTION

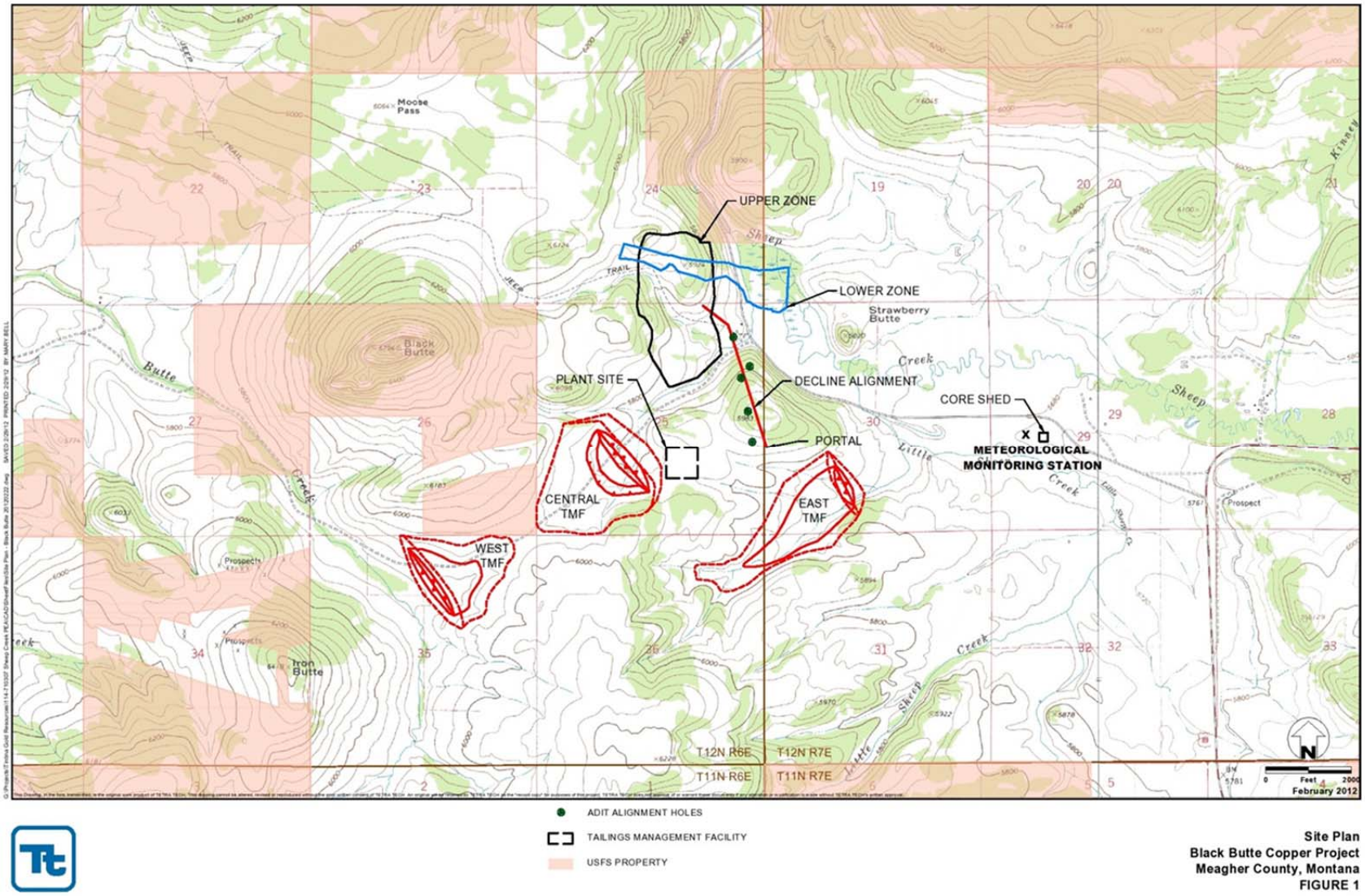
Tintina Resources, Inc. established an ambient air monitoring site to measure wind speed, wind direction, standard deviation of wind direction, temperature at 9 meters and 2 meters, delta temperature, solar radiation, barometric pressure, and precipitation. The station was established to accurately characterize the local meteorology and collect baseline data in support of an operating permit application and various environmental studies.

The meteorological monitoring system was installed in April 2012. The site is operated by Bison Engineering, Inc., of Helena and Billings. Figure 1 shows the location of the monitoring site.

This report presents the data collected during the second quarter (April through June) of 2016. In addition, a description of the monitoring system operations is presented, together with summaries of quality assurance activities, including calibrations and performance audits. Tabular summaries of the data completeness achieved and the periods of missing data also are presented. Appendix A presents the hourly meteorological data.

On June 23, 2015, an evaporation pan and manual precipitation gauge were installed adjacent to the existing meteorological system. The evaporation data will be used for hydrological / water balance studies. The manual rain gauge was installed to provide a backup data source for the existing automatic rain gauge, which has experienced occasional mechanical problems. Also, the automatic rain gauge is sometimes unreliable for measuring frozen precipitation.

Figure 1. Monitoring Site Location



2.0 MONITORING SYSTEM OPERATIONS

The installation of the monitoring meteorological system equipment took place in April 2012, soon after the equipment was received from the manufacturers. The installation and calibration of the equipment required about two weeks to complete. All meteorological sensors were in full operation and producing valid data by April 30, 2012.

Jeff Bell of Bison conducted performance audits of the meteorological system on June 17, 2016, and made any necessary calibration adjustments to the meteorological system following the audits. The Bison report of the audits is presented in Appendix B.

Manual measurements of evaporation and precipitation were recorded by Tintina's on-site personnel two to three times per week.

3.0 CALIBRATION DATA

As discussed in Section 4.0, the system's as-found condition was audited on June 17, 2016. Immediately after the audit the existing wind speed / wind direction sensor was removed for annual off-site maintenance including bearing and potentiometer replacement. It was replaced with a refurbished unit; calibration results for that sensor are shown in Appendix B, under the "As Left" heading.

4.0 PERFORMANCE AUDIT DATA

Jeff Bell of Bison conducted performance audits of the meteorological system on June 17, 2016. The Bison report of the audits is presented in Appendix B. The wind speed / wind direction sensor was replaced immediately following the audit as described in Section 3.0.

5.0 DATA COMPLETENESS

The meteorological percentages of data recovery achieved during the second quarter of 2016 are given in Tables 1 and 2. In these tables, the number of possible data values during each month of the quarter is given, together with the number of valid readings and the number of hours spent on quality assurance activities (such as calibrations, performance audits, and maintenance on the sensors). The quality assurance hours are added to the number of hours of valid data to compute the net percentage data recovery.

During the second quarter the net percentage data recovery was 100.0 percent for all parameters at the site.

Table 1. Monthly Data Completeness

April 2016					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	720	720	100.0	0	100.0
Wind Direction	720	720	100.0	0	100.0
Standard Deviation	720	720	100.0	0	100.0
Temperature 9 Meters	720	720	100.0	0	100.0
Temperature 2 Meters	720	720	100.0	0	100.0
Temperature Delta T	720	720	100.0	0	100.0
Solar Radiation	720	720	100.0	0	100.0
Barometric Pressure	720	720	100.0	0	100.0
Relative Humidity	720	720	100.0	0	100.0
Precipitation	720	720	100.0	0	100.0
Total	7,200	7,200	100.0	0	100.0

Table 1. Monthly Data Completeness (Continued)

May 2016					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	744	100.0	0	100.0
Wind Direction	744	744	100.0	0	100.0
Standard Deviation	744	744	100.0	0	100.0
Temperature 9 Meters	744	744	100.0	0	100.0
Temperature 2 Meters	744	744	100.0	0	100.0
Temperature Delta T	744	744	100.0	0	100.0
Solar Radiation	744	744	100.0	0	100.0
Barometric Pressure	744	744	100.0	0	100.0
Relative Humidity	744	744	100.0	0	100.0
Precipitation	744	744	100.0	0	100.0
Total	7,440	7,440	100.0	0	100.0

Table 1. Monthly Data Completeness (Continued)

June 2016					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	720	717	99.6	3	100.0
Wind Direction	720	717	99.6	3	100.0
Standard Deviation	720	717	99.6	3	100.0
Temperature 9 Meters	720	717	99.6	3	100.0
Temperature 2 Meters	720	717	99.6	3	100.0
Temperature Delta T	720	717	99.6	3	100.0
Solar Radiation	720	717	99.6	3	100.0
Barometric Pressure	720	717	99.6	3	100.0
Relative Humidity	720	717	99.6	3	100.0
Precipitation	720	717	99.6	3	100.0
Total	7,200	7,170	99.6	30	100.0

Table 2. Quarterly Data Completeness

Second Quarter 2016					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	2,184	2,181	99.9	3	100.0
Wind Direction	2,184	2,181	99.9	3	100.0
Standard Deviation	2,184	2,181	99.9	3	100.0
Temperature 9 Meters	2,184	2,181	99.9	3	100.0
Temperature 2 Meters	2,184	2,181	99.9	3	100.0
Temperature Delta T	2,184	2,181	99.9	3	100.0
Solar Radiation	2,184	2,181	99.9	3	100.0
Barometric Pressure	2,184	2,181	99.9	3	100.0
Relative Humidity	2,184	2,181	99.9	3	100.0
Precipitation	2,184	2,181	99.9	3	100.0
Total	21,840	21,810	99.9	30	100.0

6.0 MONITORING DATA

The hourly data values collected at the monitoring sites are given in the data tables in Appendix A. Each of these tables presents one month's data for one parameter in the monitoring system. In addition, the average, maximum, and minimum values for each parameter for each day are listed (for wind direction, the prevailing wind direction for the day is given). For those hours with missing data, a code is given that explains the reason the data were missing. These codes are given in Table 3.

Monthly and quarterly wind rose distributions from the monitoring site are presented in Tables 4 through 7. These tables give the percentage frequency of occurrence of winds from 16 cardinal directions and from 22 wind speed ranges. These same data are presented graphically in Figures 2 through 5. In the wind rose figures, the length of each "petal" of the rose is proportional to the percentage of time the wind blew from that direction. On the bottom of each figure is a histogram showing the average wind speed from each of the cardinal wind directions.

A separate compilation of data collected from the evaporation pan and manual rain gauge is presented in Appendix C. For comparison purposes, the precipitation amounts reported by the automatic rain gauge over the same time periods are provided. Overall, the precipitation amounts obtained from the manual gauge were similar to those reported by the automated rain gauge.

Table 3. Missing Data Codes

Mnemonic Code	Description	Equivalent EPA Null Value Reason Code
Sc	Scheduled but not collected	9972
Ti	Sample time out of limits	9973
Fi	Filter damage	9976
Op	Voided by operator	9978
ND	Machine malfunction	9980
Wx	Bad weather	9981
Co	Collection error	9983
Lb	Lab error	9984
QA	Poor quality assurance results	9985
Pwr	Power failure	9988
Wi	Wildlife damage	9989
AZ	Automatic zero/span check	9991
ZS	Manual zero/span check	9986
Au	Performance audit	9992
Ma	Routine maintenance/repairs	9993
Ca	Multipoint calibration	9995
PZ	Precision/zero/span	9998

Table 4. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

April 2016																	
Direction>>>		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.8	0.8	0.7	0.7	1.4	1.1	0.3	1.1	1.1	0.7	0.1	0.0	0.0	0.3	0.4	1.4	11.0
	1.1 - 2.0	0.7	1.0	1.4	1.8	2.5	3.5	2.8	1.5	0.4	0.3	0.3	0.6	0.1	1.0	1.8	1.0	20.6
	2.1 - 3.0	0.4	0.3	0.4	1.7	2.5	1.5	0.8	0.4	0.3	0.0	0.1	0.6	0.6	1.7	2.2	0.6	14.0
	3.1 - 4.0	0.8	0.1	0.1	1.3	1.7	0.6	0.7	1.3	0.3	0.1	0.3	0.4	2.6	3.1	3.5	0.7	17.5
	4.1 - 5.0	0.3	0.1	0.3	0.0	0.7	0.7	0.7	1.3	0.3	0.3	0.3	0.8	2.4	3.1	1.8	0.6	13.5
	5.1 - 6.0	0.3	0.1	0.0	0.0	0.0	0.0	0.3	0.6	0.7	0.1	0.1	0.6	2.5	1.4	1.8	1.1	9.6
	6.1 - 7.0	0.1	0.4	0.0	0.0	0.0	0.0	0.8	1.1	0.1	0.3	0.3	1.0	0.8	0.8	0.8	0.3	6.9
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.1	0.0	0.0	0.0	1.1	0.4	0.3	0.4	2.9
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	1.1	0.6	0.1	0.0	2.1
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.1	0.0	0.0	0.7
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.1	0.0	0.0	1.3
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm																		0.0
Total		3.5	2.9	2.9	5.4	8.8	7.4	6.5	7.8	3.3	1.8	1.5	4.2	12.8	12.5	12.8	6.0	100.0
Average Speed		2.7	2.5	1.9	2.2	2.3	2.1	3.0	3.7	3.0	2.9	3.7	4.7	5.9	4.4	3.8	3.4	3.6

Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

May 2016																	
Direction>>>		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.4	0.3	0.9	0.5	0.1	0.8	0.7	0.5	0.3	0.4	0.4	0.3	0.3	0.5	0.5	1.2	8.2
	1.1 - 2.0	0.5	0.7	1.1	1.6	3.4	3.0	3.1	1.9	0.9	0.4	0.3	0.3	1.1	1.6	0.8	0.3	20.8
	2.1 - 3.0	0.3	0.3	0.7	1.9	3.1	2.4	1.3	0.9	0.3	0.8	0.5	1.5	2.2	1.6	1.6	0.7	20.0
	3.1 - 4.0	0.1	0.1	0.4	0.8	1.5	1.3	1.1	0.7	0.1	0.5	0.3	0.9	1.5	1.6	1.7	0.1	12.9
	4.1 - 5.0	0.1	0.0	0.0	0.4	0.9	0.7	1.1	0.8	0.1	0.5	0.5	0.8	1.7	2.2	1.5	1.1	12.5
	5.1 - 6.0	0.1	0.1	0.0	0.3	0.4	0.4	0.4	0.9	0.1	0.3	0.4	0.9	2.4	2.3	1.9	0.7	11.7
	6.1 - 7.0	0.5	0.0	0.0	0.0	0.1	0.0	1.1	0.7	0.1	0.1	0.3	0.3	0.8	0.8	1.3	0.3	6.5
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.0	0.1	0.3	0.4	0.5	0.5	0.8	0.1	4.0
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.8	0.0	0.0	0.4	0.0	0.1	0.3	0.5	0.0	2.3
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.5
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm																		0.0
Total		2.2	1.5	3.1	5.5	9.5	8.6	9.3	9.0	2.0	3.2	3.4	5.4	10.6	11.6	10.8	4.4	100.0
Average Speed		3.2	2.0	1.7	2.6	2.6	2.5	3.3	4.8	2.4	3.4	4.4	4.1	4.2	4.1	4.5	3.4	3.6

Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

June 2016																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.3	0.7	1.1	0.3	0.7	1.4	0.6	0.3	0.6	0.1	0.1	0.1	0.4	0.1	0.1	1.1	9.1
	1.1 - 2.0	1.3	0.8	2.0	2.9	3.5	3.5	4.0	1.5	1.1	0.4	0.7	0.3	0.8	1.0	1.1	1.3	26.2
	2.1 - 3.0	0.1	0.0	0.4	2.2	3.6	2.2	2.0	1.4	0.6	0.4	0.6	0.7	1.8	1.3	2.9	0.4	20.6
	3.1 - 4.0	0.1	0.4	0.0	0.4	1.4	0.3	1.4	1.5	0.6	0.3	0.4	1.3	2.2	2.0	2.1	0.4	14.8
	4.1 - 5.0	0.1	0.3	0.0	0.0	0.3	0.0	0.1	1.1	0.1	0.1	0.0	0.8	2.0	2.1	1.3	0.4	8.8
	5.1 - 6.0	0.1	0.0	0.0	0.0	0.3	0.0	0.4	1.4	0.4	0.3	0.3	1.0	1.1	1.5	0.3	0.0	7.1
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.6	0.1	0.0	0.0	0.7	1.5	1.3	0.1	0.0	5.7
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.0	0.0	0.0	0.8	0.7	0.0	0.1	2.2
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.4	0.0	0.0	1.3	0.7	0.1	0.0	2.9
	9.1 - 10.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.3	0.0	0.0	1.4
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.3	0.3	0.0	0.1	1.0
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	3.3	2.2	3.5	5.9	9.8	7.4	10.5	7.9	3.8	2.4	2.2	5.2	12.7	11.3	8.1	3.9	100.0
	Average Speed	2.2	2.1	1.4	1.9	2.3	1.7	3.2	3.7	3.1	4.8	3.2	4.5	5.1	5.0	3.2	2.4	3.4

Table 7. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower

Second Quarter 2016																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.8	0.6	0.9	0.5	0.7	1.1	0.5	0.6	0.6	0.4	0.2	0.1	0.2	0.3	0.4	1.2	9.4
	1.1 - 2.0	0.8	0.8	1.5	2.1	3.1	3.3	3.3	1.7	0.8	0.4	0.4	0.4	0.7	1.2	1.2	0.8	22.5
	2.1 - 3.0	0.3	0.2	0.5	1.9	3.1	2.1	1.4	0.9	0.4	0.4	0.4	0.9	1.5	1.5	2.2	0.6	18.2
	3.1 - 4.0	0.4	0.2	0.2	0.8	1.5	0.7	1.1	1.1	0.3	0.3	0.3	0.9	2.1	2.2	2.4	0.4	15.0
	4.1 - 5.0	0.2	0.1	0.1	0.1	0.6	0.5	0.6	1.1	0.2	0.3	0.3	0.8	2.0	2.4	1.5	0.7	11.6
	5.1 - 6.0	0.2	0.1	0.0	0.1	0.2	0.1	0.4	1.0	0.4	0.2	0.3	0.8	2.0	1.7	1.3	0.6	9.5
	6.1 - 7.0	0.2	0.1	0.0	0.0	0.0	0.0	1.1	0.8	0.1	0.1	0.2	0.6	1.1	1.0	0.8	0.2	6.4
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.1	0.0	0.1	0.1	0.8	0.6	0.4	0.2	3.1
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.1	0.1	0.0	0.8	0.5	0.3	0.0	2.4
	9.1 - 10.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.3	0.2	0.0	0.0	0.9
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.5	0.1	0.0	0.0	0.9
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	3.0	2.2	3.2	5.6	9.4	7.8	8.8	8.3	3.0	2.5	2.4	4.9	12.0	11.8	10.5	4.8	100.0
	Average Speed	2.7	2.2	1.7	2.3	2.4	2.1	3.2	4.1	2.9	3.7	3.9	4.4	5.1	4.5	3.9	3.2	3.5

Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower

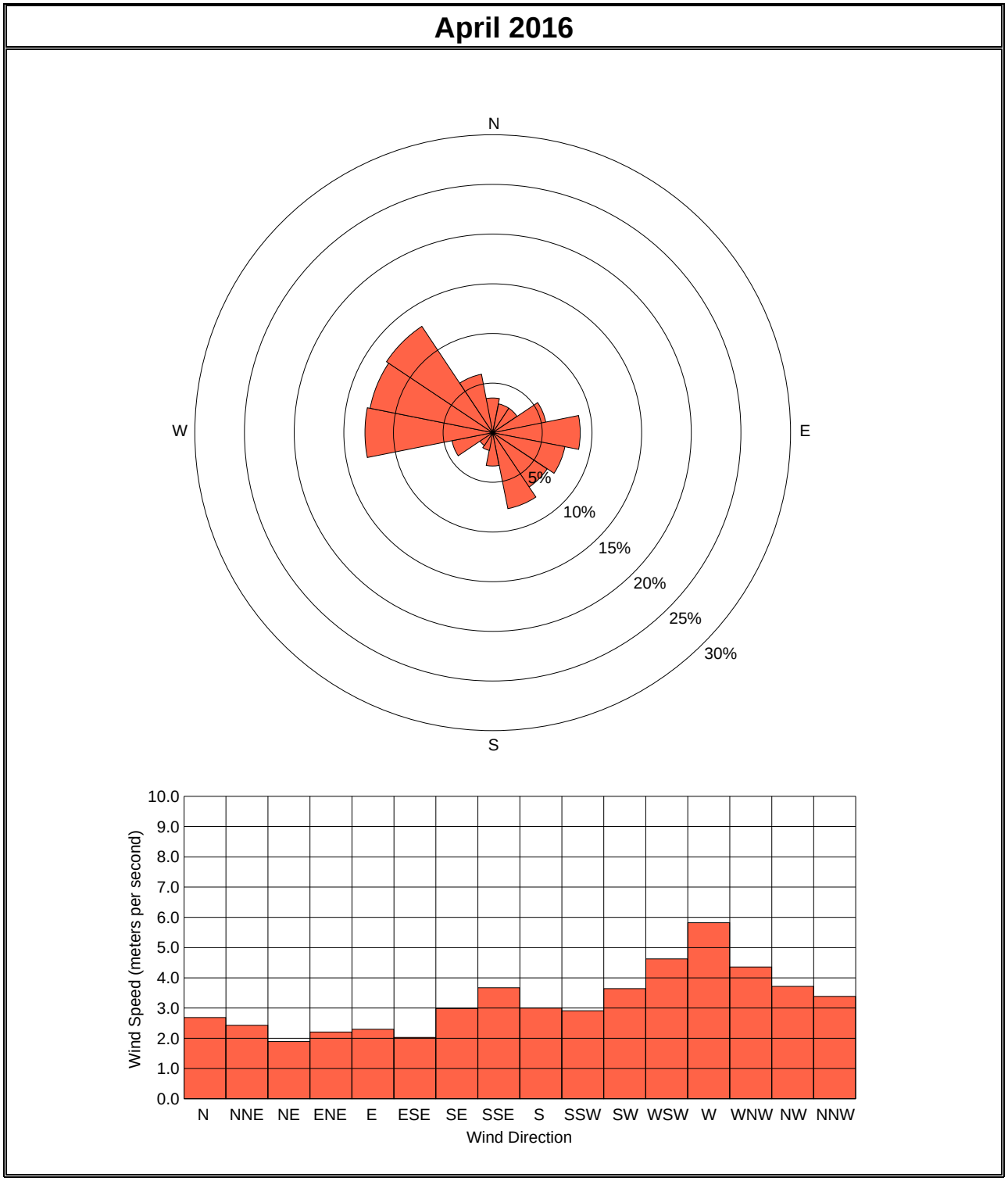


Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower

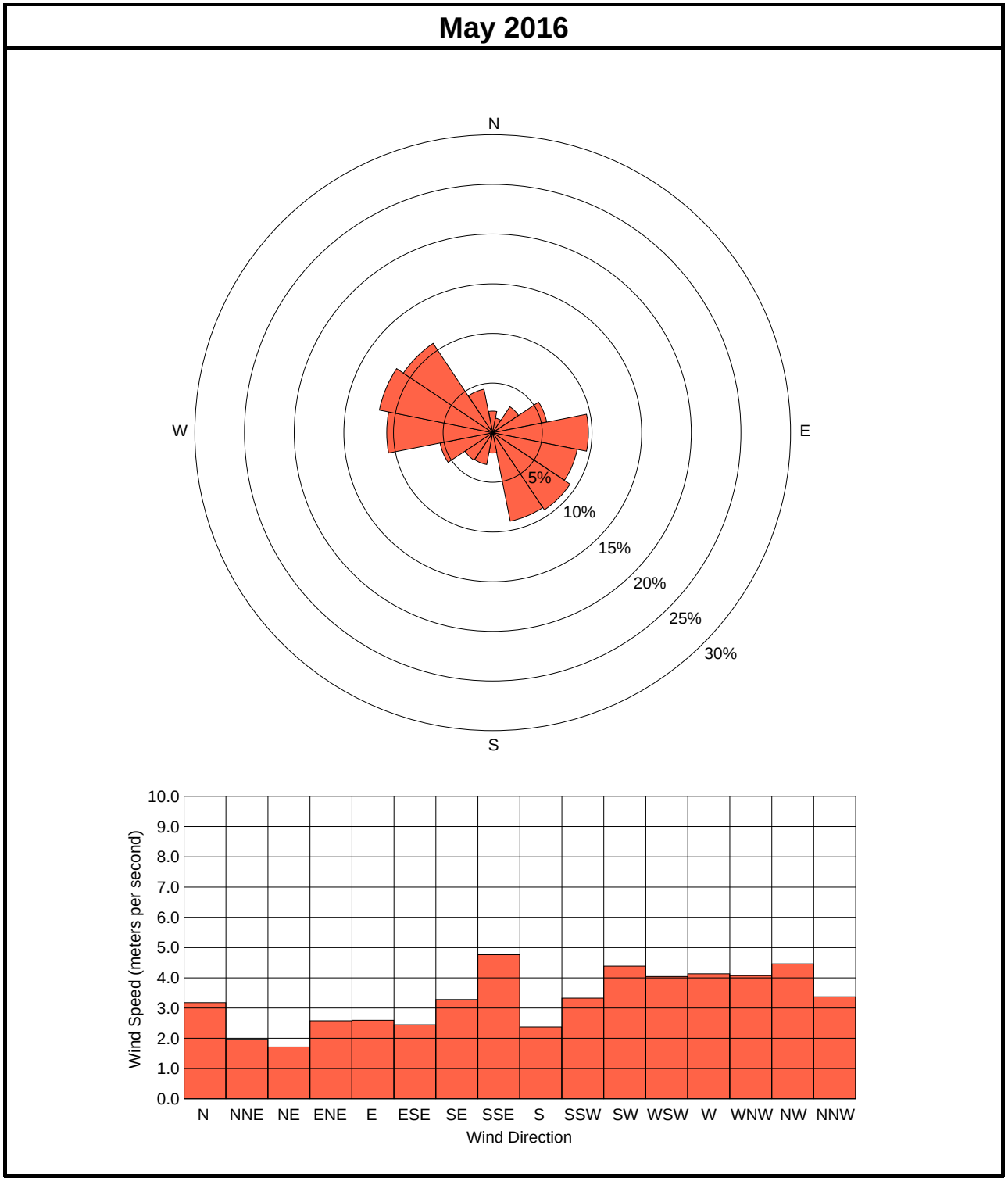


Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower

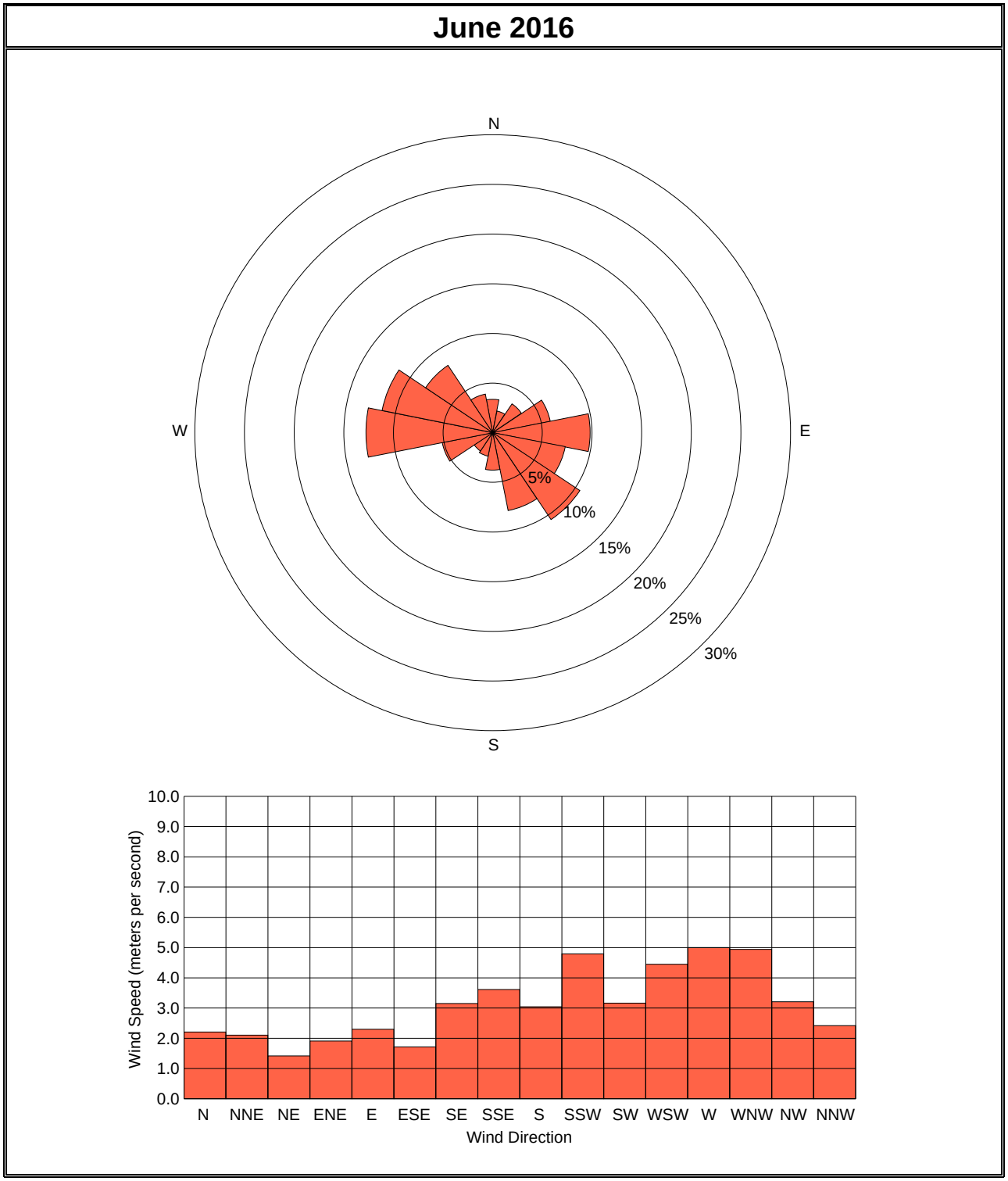
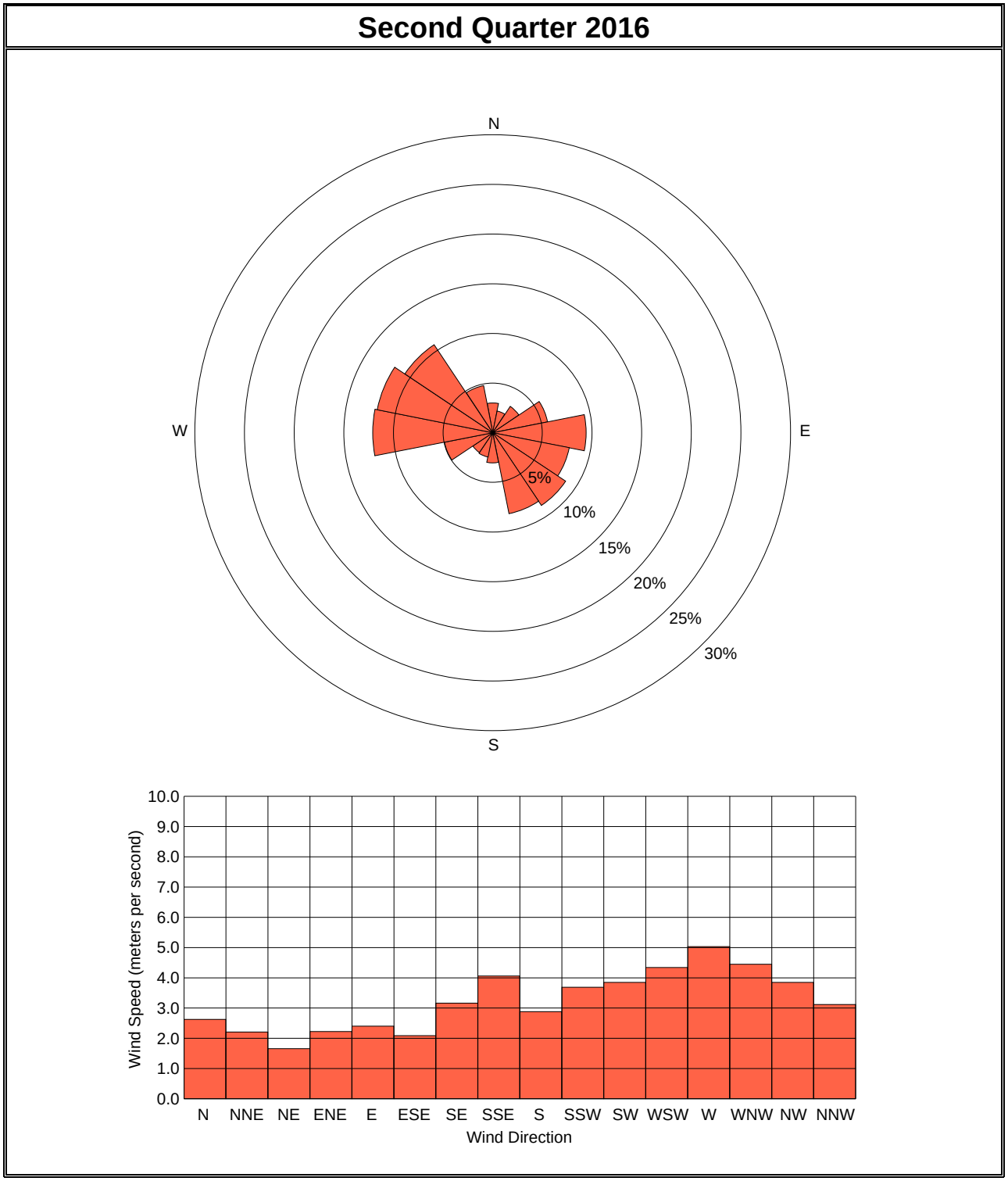


Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower



APPENDIX A: HOURLY AIR QUALITY AND METEOROLOGICAL DATA, SECOND QUARTER 2016

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
April 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.8	1.0	0.4	0.8	0.7	0.7	1.0	0.9	1.0	2.0	3.4	3.8	4.0	3.8	5.7	6.0	5.7	3.7	2.7	1.2	3.4	3.4	1.8	1.2	2.5	6.0	0.4
2	1.1	0.9	0.8	1.6	1.0	1.1	0.7	0.5	0.7	5.6	8.2	10.1	10.1	8.9	9.1	9.0	9.0	8.0	6.7	5.4	4.6	5.6	6.4	5.9	5.0	10.1	0.5
3	10.2	8.1	6.3	3.8	1.4	2.1	2.3	1.9	3.1	4.3	4.8	5.0	5.3	5.3	5.0	4.7	4.0	3.2	1.7	3.0	4.0	3.7	2.7	1.3	4.0	10.2	1.3
4	1.2	0.9	0.7	1.2	1.8	1.5	1.5	1.2	1.5	4.1	4.9	4.7	6.3	7.0	8.6	2.9	3.6	1.4	9.3	5.6	2.8	6.4	6.9	6.2	3.8	9.3	0.7
5	4.0	5.3	5.7	5.6	7.0	7.6	7.2	6.7	8.2	7.8	9.2	10.3	8.9	6.6	7.9	8.0	9.3	8.7	9.2	7.4	7.2	6.0	4.9	3.4	7.2	10.3	3.4
6	3.4	3.8	4.6	2.9	2.2	2.9	2.8	5.6	7.9	8.5	10.7	10.4	8.4	9.0	10.1	10.1	10.5	8.6	8.4	6.3	3.6	2.4	2.0	0.9	6.1	10.7	0.9
7	1.3	1.7	1.8	1.5	1.2	1.2	1.0	0.8	0.7	3.6	3.9	3.7	5.0	4.4	5.4	5.8	5.6	4.6	1.7	2.8	3.4	3.5	1.8	2.0	2.8	5.8	0.7
8	1.7	1.4	1.0	1.0	1.6	1.4	1.5	1.1	0.7	2.0	1.7	3.4	3.4	4.0	4.4	3.9	4.9	4.5	2.4	4.1	4.3	4.6	3.1	2.6	2.7	4.9	0.7
9	1.6	1.7	1.5	1.6	1.1	1.1	0.9	3.4	4.8	5.8	5.0	4.6	5.3	5.5	6.5	6.0	4.9	6.4	3.6	1.6	1.6	3.6	2.3	1.2	3.4	6.5	0.9
10	1.1	0.9	0.7	1.8	2.7	4.1	3.7	5.0	4.8	3.6	2.8	4.3	4.3	3.9	5.0	4.5	4.1	3.4	2.8	2.4	2.6	3.4	2.0	2.4	3.2	5.0	0.7
11	1.9	2.2	1.7	1.5	1.6	1.0	1.4	1.1	0.8	1.4	3.9	4.3	5.3	4.8	5.3	5.3	5.4	5.8	4.4	2.2	3.3	3.0	2.4	1.5	3.0	5.8	0.8
12	1.7	1.1	1.3	1.0	1.1	0.7	0.8	1.0	0.9	3.4	4.9	5.4	6.9	5.6	3.9	5.7	3.8	4.0	3.0	1.4	1.6	3.0	3.1	3.9	2.9	6.9	0.7
13	3.0	2.6	1.7	1.1	3.9	1.4	1.6	3.4	6.6	3.6	4.4	5.1	6.0	6.3	6.9	6.7	6.3	6.4	2.7	1.9	3.1	3.2	2.1	2.3	3.8	6.9	1.1
14	1.5	1.8	1.8	0.9	0.9	1.3	1.2	3.6	6.2	6.2	4.0	3.5	2.4	2.4	3.0	3.5	3.6	4.2	3.7	5.0	4.0	3.1	3.7	3.9	3.1	6.2	0.9
15	3.0	4.2	5.9	5.9	6.8	7.6	7.6	5.6	4.2	4.4	4.9	5.7	5.6	4.3	4.0	4.5	4.9	2.8	2.3	3.4	3.4	1.6	2.9	1.5	4.5	7.6	1.5
16	1.4	1.2	1.0	1.0	0.5	0.8	0.5	0.5	0.8	0.7	2.1	2.8	2.9	4.0	4.3	5.5	4.7	4.3	2.9	1.5	2.0	2.2	1.6	1.6	2.1	5.5	0.5
17	2.0	1.6	1.8	1.8	1.6	2.2	1.0	0.7	1.0	1.3	2.6	3.3	3.7	3.2	4.3	4.5	2.9	4.8	4.5	3.5	3.3	1.5	1.0	0.8	2.5	4.8	0.7
18	0.7	0.9	0.9	0.8	0.8	0.9	0.7	0.9	0.9	1.4	2.6	4.2	4.6	2.9	3.5	3.1	2.9	3.9	2.5	2.7	1.6	1.5	1.3	1.2	2.0	4.6	0.7
19	1.3	0.6	1.4	1.0	1.0	0.7	0.6	0.9	0.8	1.4	3.1	3.3	2.6	2.8	3.1	4.6	4.8	5.2	4.9	3.7	2.6	4.2	2.2	2.1	2.5	5.2	0.6
20	2.3	2.0	1.5	1.1	1.0	1.2	0.8	1.0	0.9	3.1	5.6	6.9	6.5	6.1	5.0	4.9	4.5	5.0	3.7	2.0	2.0	3.1	2.2	1.6	3.1	6.9	0.8
21	1.6	3.1	1.7	1.0	1.6	2.2	1.2	0.9	4.0	4.1	4.2	4.5	4.9	4.4	5.6	5.8	5.1	4.7	5.0	3.1	1.4	2.4	2.9	2.7	3.3	5.8	0.9
22	2.1	2.3	2.4	2.0	2.4	2.9	2.0	0.9	0.7	1.5	5.5	7.2	6.4	5.3	6.3	5.1	6.3	4.2	2.1	2.5	3.6	3.8	3.1	1.3	3.4	7.2	0.7
23	1.3	1.5	1.3	1.2	1.5	1.7	1.3	1.5	0.7	1.6	3.3	3.3	5.1	5.7	3.6	5.7	2.7	4.0	6.2	5.8	4.1	3.0	4.6	3.2	3.1	6.2	0.7
24	2.8	2.7	2.7	3.2	2.8	2.9	3.1	3.1	4.5	4.1	4.8	3.9	3.4	4.5	6.2	5.1	4.8	4.6	4.1	3.4	2.0	1.7	1.5	1.9	3.5	6.2	1.5
25	2.3	2.1	1.4	2.0	3.1	3.6	3.5	3.6	4.4	4.8	5.8	6.2	6.5	7.2	7.3	5.8	7.2	6.1	4.5	5.6	3.2	3.2	3.9	5.6	4.5	7.3	1.4
26	6.0	5.7	5.3	3.0	3.8	4.9	3.8	5.0	5.1	6.8	6.2	5.5	8.0	8.0	5.4	4.0	2.9	2.2	2.8	3.8	1.1	2.2	2.3	2.8	4.4	8.0	1.1
27	1.7	1.8	2.2	2.5	1.8	3.0	3.2	3.8	4.2	2.8	3.3	3.8	4.5	4.8	5.7	5.4	5.7	6.2	4.0	2.5	1.9	2.2	1.5	1.1	3.3	6.2	1.1
28	0.8	0.8	0.7	3.4	3.2	3.0	3.7	2.5	1.0	1.4	4.5	5.8	6.3	7.3	7.5	6.3	6.3	6.1	4.8	4.2	2.3	4.8	5.0	4.3	4.0	7.5	0.7
29	3.5	3.9	4.5	3.6	2.3	1.8	1.1	5.3	7.1	6.1	5.7	6.9	6.5	6.6	6.7	6.7	7.4	8.3	6.1	3.8	2.9	3.0	3.6	3.5	4.9	8.3	1.1
30	3.5	1.8	1.3	1.1	0.9	0.6	1.1	1.1	1.7	2.5	3.6	4.5	5.5	6.1	5.8	3.7	3.3	4.1	3.8	1.7	1.2	1.6	2.4	1.5	2.7	6.1	0.6
Avg	2.4	2.3	2.2	2.0	2.1	2.3	2.1	2.5	3.0	3.7	4.7	5.2	5.5	5.4	5.7	5.4	5.2	5.0	4.2	3.5	2.9	3.2	2.9	2.5	3.6	6.9	0.9
Max	10.2	8.1	6.3	5.9	7.0	7.6	7.6	6.7	8.2	8.5	10.7	10.4	10.1	9.0	10.1	10.1	10.5	8.7	9.3	7.4	7.2	6.4	6.9	6.2	7.2	10.7	3.4
Min	0.7	0.6	0.4	0.8	0.5	0.6	0.5	0.5	0.7	0.7	1.7	2.8	2.4	2.4	3.0	2.9	2.7	1.4	1.7	1.2	1.1	1.5	1.0	0.8	2.0	4.6	0.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
May 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.8	0.9	1.2	1.4	1.7	1.1	0.9	2.2	6.7	7.1	7.2	7.1	6.9	6.5	6.2	5.8	5.2	5.4	6.2	3.4	2.7	5.1	2.0	2.4	4.0	7.2	0.8
2	1.9	1.0	1.4	1.4	1.0	0.6	0.6	0.6	1.0	2.8	3.4	3.6	4.5	4.4	4.9	4.9	5.2	5.2	3.5	2.7	2.5	2.5	2.6	1.3	2.6	5.2	0.6
3	2.0	2.8	2.3	1.4	1.1	0.8	1.1	0.7	0.9	2.5	4.2	4.4	4.0	3.5	3.4	3.1	2.9	2.9	2.7	2.1	3.1	2.3	1.9	2.1	2.4	4.4	0.7
4	1.8	2.1	2.4	2.5	2.2	2.7	1.7	2.2	3.4	4.2	5.0	6.6	6.7	5.5	5.8	4.3	5.7	5.0	4.6	2.0	4.1	3.9	2.2	1.9	3.7	6.7	1.7
5	1.0	1.3	1.7	1.7	1.2	1.6	1.4	0.8	1.3	1.8	2.0	3.2	3.0	3.6	2.7	3.1	2.9	3.0	3.2	4.0	2.4	2.1	2.3	5.5	2.4	5.5	0.8
6	6.9	3.2	2.1	1.7	2.0	2.2	3.8	2.9	4.5	3.8	4.2	3.1	4.2	5.3	5.3	4.6	3.8	4.6	2.9	2.8	3.4	3.5	2.5	2.5	3.6	6.9	1.7
7	3.4	4.0	3.4	3.1	3.2	2.7	3.7	4.8	6.6	8.9	8.6	8.3	7.6	7.1	8.8	7.7	7.1	6.6	5.4	3.5	1.9	2.0	2.4	1.7	5.1	8.9	1.7
8	1.2	1.5	1.6	1.7	1.6	1.5	1.0	0.8	1.0	2.7	4.2	4.5	3.6	4.8	5.8	5.3	5.6	5.2	3.4	3.8	3.0	4.3	2.5	4.3	3.1	5.8	0.8
9	5.0	4.5	4.5	5.4	5.9	4.1	4.6	6.1	6.7	6.2	6.8	6.1	4.5	4.2	4.5	6.0	4.6	3.2	2.6	2.2	2.1	1.8	2.0	2.5	4.4	6.8	1.8
10	3.2	6.3	2.3	7.2	6.2	7.6	8.1	6.8	6.1	5.9	6.7	7.4	8.0	8.0	7.3	8.7	7.5	6.0	6.6	6.2	5.6	4.8	5.5	4.5	6.4	8.7	2.3
11	4.7	4.5	3.5	2.9	0.6	1.5	1.6	0.4	0.7	3.8	4.2	5.2	5.2	6.0	6.0	4.0	3.5	2.8	2.2	1.3	2.7	3.3	2.3	1.2	3.1	6.0	0.4
12	1.5	1.3	1.5	1.5	1.5	1.7	2.9	2.9	3.3	2.9	3.8	5.7	6.1	5.7	5.2	5.9	5.9	4.8	4.2	5.6	2.3	3.1	2.4	2.3	3.5	6.1	1.3
13	1.4	1.4	1.8	1.4	2.7	2.4	1.3	1.3	1.3	1.8	1.3	2.5	3.1	2.1	1.4	2.0	4.2	6.2	4.7	4.4	2.7	3.1	1.8	1.8	2.4	6.2	1.3
14	1.8	3.0	3.1	4.3	4.6	4.1	3.6	4.0	4.8	6.1	8.1	9.7	9.9	10.8	10.3	11.1	10.7	9.8	8.5	4.7	3.7	3.2	3.1	3.5	6.1	11.1	1.8
15	4.8	4.7	2.7	2.8	2.4	5.4	3.9	4.6	5.4	4.3	4.7	6.3	5.9	4.1	6.3	5.8	1.8	1.6	0.9	0.8	0.8	0.8	0.5	0.6	3.4	6.3	0.5
16	0.7	0.7	1.1	1.0	1.2	1.5	1.9	2.6	1.7	4.0	5.2	4.7	5.4	6.8	7.0	8.2	8.0	6.6	7.3	5.7	3.5	3.5	1.6	1.2	3.8	8.2	0.7
17	1.5	1.1	1.0	1.4	0.8	1.0	1.4	1.6	2.5	3.1	3.0	2.9	2.2	2.9	2.5	3.8	2.9	2.3	3.4	1.7	2.9	3.9	3.3	2.3	2.3	3.9	0.8
18	2.4	1.5	1.5	1.5	1.1	1.4	0.6	0.7	1.7	4.5	4.4	3.6	2.7	3.0	5.4	5.6	5.4	2.9	2.3	2.1	4.5	5.6	3.9	2.5	2.9	5.6	0.6
19	2.1	2.3	1.8	2.0	2.1	1.8	1.6	2.4	2.1	5.0	4.9	5.4	7.2	9.2	2.1	1.3	1.2	1.9	2.6	2.7	1.8	3.1	1.6	0.8	2.9	9.2	0.8
20	1.2	0.9	0.7	1.3	1.4	2.1	2.2	1.4	0.9	1.6	2.4	4.4	4.9	4.8	5.6	6.5	5.7	4.4	5.1	5.0	2.4	1.9	3.0	3.4	3.1	6.5	0.7
21	1.4	2.2	1.5	0.8	3.7	3.0	1.1	1.3	1.9	5.5	3.7	4.0	3.6	2.7	1.4	2.1	2.9	2.1	2.8	1.4	4.1	2.6	1.1	2.6	2.5	5.5	0.8
22	1.3	2.2	1.9	1.1	2.2	1.3	1.9	6.6	7.4	7.3	6.1	9.0	8.9	8.5	5.8	7.3	7.5	7.2	6.5	5.7	5.2	5.5	3.7	5.3	5.2	9.0	1.1
23	4.7	2.5	3.8	5.3	3.7	5.7	5.5	5.3	4.3	6.5	7.6	8.0	8.6	7.4	5.7	4.9	4.9	4.7	4.4	3.8	2.7	2.2	2.3	1.3	4.8	8.6	1.3
24	1.0	1.6	0.9	1.7	0.8	1.0	0.9	1.6	1.7	2.9	3.0	3.7	5.6	2.6	4.5	4.6	5.5	4.0	3.5	1.7	1.0	2.5	3.6	3.6	2.6	5.6	0.8
25	2.7	2.4	1.6	0.7	1.0	1.1	0.6	0.9	3.7	4.3	4.0	4.5	5.4	6.0	5.4	5.4	2.8	2.3	2.7	1.3	3.4	1.6	1.2	1.1	2.8	6.0	0.6
26	1.1	1.3	0.6	0.9	1.1	0.8	1.4	1.0	1.6	4.5	4.3	4.6	4.8	4.6	5.1	8.0	6.4	3.4	2.0	3.3	2.6	1.9	2.5	3.0	2.9	8.0	0.6
27	2.0	2.5	3.7	2.9	3.0	1.3	1.3	1.2	3.5	2.8	2.7	1.7	3.1	4.7	4.1	5.7	3.3	2.9	3.0	1.7	1.0	1.9	1.1	0.7	2.6	5.7	0.7
28	1.0	2.2	1.4	2.2	0.9	1.0	0.7	3.4	4.1	4.9	6.4	6.4	5.8	6.0	6.4	6.3	4.2	4.2	5.0	2.1	1.8	2.6	2.7	2.5	3.5	6.4	0.7
29	1.9	1.6	1.7	1.8	1.2	1.7	0.7	0.8	2.1	4.8	5.2	5.3	5.6	5.5	4.9	3.6	3.1	1.6	3.1	3.3	1.2	3.1	3.1	3.1	2.9	5.6	0.7
30	2.4	1.8	2.5	2.9	2.1	1.5	5.1	5.0	6.2	8.4	8.9	6.5	8.1	8.7	6.5	7.4	7.4	6.7	7.8	5.6	4.7	2.6	1.9	2.2	5.1	8.9	1.5
31	4.0	5.1	5.9	5.6	5.1	5.8	7.0	7.0	7.9	6.8	6.5	5.9	5.4	5.1	5.3	4.8	5.5	5.3	4.4	2.6	1.4	1.9	2.3	2.6	5.0	7.9	1.4
Avg	2.3	2.4	2.2	2.4	2.2	2.3	2.4	2.7	3.5	4.6	4.9	5.3	5.5	5.5	5.2	5.4	4.9	4.3	4.1	3.2	2.8	3.0	2.4	2.5	3.6	6.9	1.0
Max	6.9	6.3	5.9	7.2	6.2	7.6	8.1	7.0	7.9	8.9	8.9	9.7	9.9	10.8	10.3	11.1	10.7	9.8	8.5	6.2	5.6	5.6	5.5	5.5	6.4	11.1	2.3
Min	0.7	0.7	0.6	0.7	0.6	0.6	0.6	0.4	0.7	1.6	1.3	1.7	2.2	2.1	1.4	1.3	1.2	1.6	0.9	0.8	0.8	0.8	0.5	0.6	2.3	3.9	0.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
June 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	3.0	2.2	1.9	1.5	1.3	1.8	0.8	0.8	1.1	2.9	3.7	4.2	3.2	3.7	4.0	3.5	3.8	3.5	2.6	1.7	3.2	2.0	2.2	2.9	2.6	4.2	0.8
2	2.7	2.3	2.1	1.0	1.6	2.6	2.1	2.3	1.9	4.9	5.9	5.7	4.5	6.9	8.1	7.0	8.2	5.9	6.6	6.1	6.5	3.5	4.1	5.0	4.5	8.2	1.0
3	7.7	4.7	1.3	1.3	2.4	1.4	1.2	3.0	5.6	6.7	6.9	7.2	6.1	5.2	6.0	6.4	6.4	5.8	4.9	2.7	1.4	2.2	1.7	1.8	4.2	7.7	1.2
4	1.4	2.0	1.7	1.3	0.8	0.8	0.9	0.8	1.1	2.2	2.9	3.8	3.3	4.0	3.5	2.9	1.8	2.7	3.4	1.9	1.9	3.2	2.5	1.6	2.2	4.0	0.8
5	1.3	1.7	1.7	1.2	1.0	0.9	0.9	0.7	0.9	1.2	1.9	3.4	3.3	5.2	5.7	4.5	4.9	3.7	4.9	3.4	1.5	1.6	1.1	1.4	2.4	5.7	0.7
6	1.2	1.5	1.1	1.6	1.6	1.7	1.6	3.7	6.4	7.0	6.1	4.8	5.1	4.3	3.6	2.7	3.7	4.3	6.3	6.0	1.7	1.5	2.3	2.1	3.4	7.0	1.1
7	2.1	2.6	2.1	2.5	1.8	1.6	1.0	1.1	1.8	3.0	2.9	2.8	2.6	4.0	4.3	4.7	10.5	7.8	3.6	3.2	1.4	1.8	0.9	1.0	3.0	10.5	0.9
8	0.9	1.6	1.7	1.5	1.5	1.2	0.7	0.9	1.0	2.4	2.9	2.4	1.5	2.3	2.8	2.9	3.9	1.5	3.4	4.1	3.3	3.5	2.7	2.2	2.2	4.1	0.7
9	1.5	1.6	1.5	1.0	1.3	1.8	0.9	1.1	0.9	2.1	2.6	4.3	5.3	5.5	3.2	2.7	3.0	2.4	1.7	1.2	1.6	1.7	2.2	0.8	2.2	5.5	0.8
10	1.7	1.6	1.4	1.4	0.8	0.9	0.7	3.9	6.7	8.1	8.6	7.0	6.7	7.0	7.6	6.8	4.7	4.7	4.9	4.9	3.4	2.5	1.7	4.1	4.2	8.6	0.7
11	1.4	2.2	1.3	0.6	1.2	1.0	0.8	0.7	2.7	2.2	4.0	4.7	4.9	3.9	4.4	4.2	5.3	3.7	2.9	0.8	0.9	1.0	2.2	1.6	2.4	5.3	0.6
12	1.6	2.0	1.1	1.3	1.7	1.5	3.1	3.7	4.2	3.5	3.8	5.2	5.2	4.7	4.7	4.5	4.5	4.2	3.6	1.8	1.7	3.1	3.6	3.8	3.3	5.2	1.1
13	2.7	2.2	1.8	1.3	1.1	0.9	1.1	0.8	3.2	5.3	5.8	8.7	6.8	5.3	2.5	2.4	2.4	1.6	1.6	2.5	2.0	4.0	2.4	2.0	2.9	8.7	0.8
14	1.7	1.6	1.3	0.7	1.3	1.4	0.9	4.3	5.1	7.8	8.4	8.4	9.5	6.0	5.0	7.9	6.0	3.5	1.8	1.2	3.1	3.3	2.4	3.7	4.0	9.5	0.7
15	2.4	1.9	1.3	1.4	1.6	1.6	2.2	2.0	1.8	3.9	6.0	6.8	6.4	4.6	3.8	4.2	3.8	2.1	3.3	2.3	3.2	3.8	2.6	4.1	3.2	6.8	1.3
16	2.7	2.7	2.1	2.1	2.5	1.3	3.3	5.2	6.1	7.0	5.9	5.6	5.7	9.6	9.3	4.3	8.4	6.8	1.9	1.5	1.6	1.5	2.1	1.7	4.2	9.6	1.3
17	2.2	1.9	2.0	2.3	1.7	1.4	1.2	0.8	Au	Au	Au	1.8	1.7	1.3	1.7	1.9	1.1	1.9	2.2	2.6	3.0	1.7	2.8	1.5	1.8	3.0	0.8
18	2.1	2.9	2.4	2.5	1.7	2.6	1.3	2.5	5.8	5.5	5.2	6.0	7.4	9.0	10.9	10.6	6.7	3.9	4.9	5.2	3.0	1.7	2.2	2.1	4.5	10.9	1.3
19	4.5	6.0	5.1	6.2	2.8	2.5	4.6	4.8	6.4	6.9	8.4	9.5	9.4	8.8	8.0	6.9	5.7	6.2	5.0	2.6	1.0	2.7	2.4	1.9	5.3	9.5	1.0
20	1.5	2.2	1.0	1.6	0.9	0.8	1.4	5.5	5.6	5.3	4.0	3.0	2.3	1.6	2.7	3.7	3.6	5.1	7.0	6.9	2.2	2.6	5.3	1.8	3.2	7.0	0.8
21	2.3	1.5	1.6	2.0	2.3	1.3	0.9	0.8	1.2	6.3	5.8	8.3	8.9	10.5	11.2	10.8	9.0	9.8	7.7	4.6	4.8	4.8	2.1	2.1	5.0	11.2	0.8
22	1.6	1.8	1.3	1.2	1.3	1.4	1.3	1.3	3.0	3.6	3.5	4.7	4.1	3.8	3.7	3.9	3.2	3.0	2.5	1.1	2.3	1.5	1.5	0.9	2.4	4.7	0.9
23	1.1	1.0	1.1	1.0	1.0	0.9	0.6	0.8	2.5	2.2	2.3	3.0	5.4	5.5	6.7	5.9	3.8	5.0	3.5	2.3	9.1	9.2	5.2	3.4	3.4	9.2	0.6
24	2.3	1.8	1.4	2.3	1.4	1.2	1.1	1.7	1.5	2.8	4.6	5.0	6.4	7.7	3.3	4.3	7.7	8.8	8.4	6.2	7.3	5.2	4.8	5.5	4.3	8.8	1.1
25	3.8	4.7	6.6	5.7	7.3	8.9	8.1	8.3	9.5	10.0	10.7	10.1	8.6	8.9	7.6	6.8	7.5	7.0	6.6	3.6	1.3	2.2	2.6	2.5	6.6	10.7	1.3
26	1.6	1.9	1.4	1.4	0.9	0.7	0.7	0.7	2.9	3.8	4.0	3.3	4.4	4.9	3.5	3.9	2.5	3.5	4.0	4.7	2.4	2.6	1.5	0.9	2.6	4.9	0.7
27	1.1	0.7	1.0	0.8	1.3	1.0	0.6	2.8	4.6	3.7	3.1	2.2	2.2	3.6	3.7	2.8	2.6	1.4	1.0	3.7	4.0	1.2	2.3	3.8	2.3	4.6	0.6
28	3.1	2.8	2.3	2.3	1.9	3.4	2.2	1.8	3.3	1.9	2.8	3.6	3.2	3.4	3.4	3.4	2.5	2.5	1.1	2.9	2.1	3.0	1.8	1.8	2.6	3.6	1.1
29	0.9	1.2	1.8	1.5	1.4	1.0	1.2	1.0	1.3	2.4	3.3	4.1	3.6	3.1	3.1	3.9	5.4	5.3	4.4	2.3	2.5	2.8	2.5	1.6	2.6	5.4	0.9
30	2.4	1.9	1.3	1.3	1.4	3.4	4.5	3.4	3.4	3.9	3.5	4.2	3.7	2.9	3.0	4.3	7.3	5.3	3.2	2.2	2.6	2.7	2.0	2.8	3.2	7.3	1.3
Avg	2.2	2.2	1.9	1.8	1.7	1.8	1.7	2.4	3.5	4.4	4.8	5.1	5.0	5.2	5.0	4.8	5.0	4.4	4.0	3.2	2.9	2.8	2.5	2.4	3.4	7.0	0.9
Max	7.7	6.0	6.6	6.2	7.3	8.9	8.1	8.3	9.5	10.0	10.7	10.1	9.5	10.5	11.2	10.8	10.5	9.8	8.4	6.9	9.1	9.2	5.3	5.5	6.6	11.2	1.3
Min	0.9	0.7	1.0	0.6	0.8	0.7	0.6	0.7	0.9	1.2	1.9	1.8	1.5	1.3	1.7	1.9	1.1	1.4	1.0	0.8	0.9	1.0	0.9	0.8	1.8	3.0	0.6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
April 2016

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	308	197	70	332	345	111	86	359	356	5	332	302	282	295	290	282	297	298	303	60	86	82	87	103	349
2	35	49	50	111	158	147	191	125	32	252	262	274	274	263	258	264	262	270	271	274	290	287	278	292	268
3	278	283	277	310	303	21	46	53	280	283	265	258	258	280	281	287	294	292	283	106	81	76	108	118	299
4	105	87	122	92	109	154	145	160	120	148	189	200	223	227	242	308	197	112	268	297	266	244	249	258	186
5	264	271	269	261	274	271	282	282	288	293	291	298	306	289	275	268	277	278	277	275	273	269	278	272	278
6	272	275	285	304	28	65	36	312	284	276	280	276	267	278	277	276	279	287	284	282	295	94	73	52	299
7	126	88	54	49	121	91	110	26	360	292	296	295	293	286	294	321	306	319	341	93	81	87	100	82	27
8	75	105	72	101	88	130	108	167	338	103	337	260	248	266	259	263	264	255	247	104	86	81	66	101	112
9	101	74	54	82	29	100	171	69	287	289	299	298	315	320	316	298	319	14	358	7	41	65	81	59	15
10	287	120	203	336	338	10	345	339	17	5	324	263	283	282	262	277	290	305	323	122	69	80	125	128	326
11	136	137	140	111	137	154	109	146	32	334	269	255	259	255	274	268	267	250	266	224	103	84	67	87	180
12	112	35	116	26	114	119	71	172	42	291	254	259	254	274	219	175	249	295	69	7	132	73	73	81	97
13	81	73	112	351	303	335	237	272	276	285	277	254	268	255	247	239	265	299	245	146	79	66	113	84	274
14	147	60	158	193	27	257	254	168	166	159	233	317	344	90	129	295	263	256	263	264	272	273	276	273	242
15	272	268	260	281	285	279	278	278	276	297	324	324	323	321	313	319	332	319	320	324	309	308	340	221	300
16	172	57	336	152	338	150	162	344	102	342	300	285	285	279	283	277	274	270	271	207	60	77	60	93	302
17	86	28	43	26	12	93	85	207	318	330	303	282	269	305	294	296	70	87	104	88	83	101	96	89	41
18	10	57	161	85	174	180	188	347	332	304	303	101	130	91	5	16	245	161	139	76	348	150	33	189	92
19	134	235	148	110	115	90	22	158	286	356	309	242	287	256	297	288	311	159	157	159	99	82	98	65	144
20	58	63	26	77	71	122	140	198	9	309	328	348	8	28	207	263	46	41	52	60	86	91	126	65	55
21	126	97	100	85	102	81	125	326	140	144	151	163	167	171	184	183	210	229	160	152	35	93	110	114	135
22	123	113	108	111	111	95	113	80	45	282	185	169	177	185	208	226	213	225	169	101	78	72	63	33	130
23	158	131	85	122	134	150	115	305	349	305	294	312	332	346	10	17	38	335	316	332	331	311	312	291	344
24	309	294	306	309	286	278	279	313	310	315	307	312	325	298	314	317	301	292	303	317	288	306	306	306	304
25	311	315	320	322	310	319	319	317	305	304	301	310	314	314	312	337	327	333	336	329	315	321	317	306	317
26	307	310	315	308	316	306	283	270	281	300	304	321	340	328	333	339	356	4	334	11	316	318	318	314	319
27	323	279	303	308	319	301	312	333	8	295	301	304	299	299	344	355	7	13	8	360	302	82	37	297	328
28	288	160	172	167	166	153	157	161	179	210	158	152	148	147	143	139	146	142	137	119	151	123	110	124	152
29	178	161	149	139	128	138	129	152	147	144	146	154	158	155	149	153	147	147	133	112	99	104	109	121	140
30	126	127	145	130	326	345	236	176	241	183	184	168	156	146	128	127	139	141	152	155	100	117	72	102	144
Prev	112	85	99	63	41	112	137	266	330	295	282	273	277	278	274	285	283	288	287	66	44	74	67	82	308

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
May 2016

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	72	118	79	88	135	49	139	132	145	151	161	158	160	163	171	166	164	160	150	151	94	82	77	61	128
2	51	45	32	97	156	133	217	45	286	298	288	294	252	273	275	281	270	288	325	76	79	86	105	99	342
3	58	55	74	46	60	48	137	329	353	287	289	291	245	269	251	259	255	264	266	103	102	83	77	84	4
4	100	108	90	108	115	96	143	117	144	185	223	224	238	202	199	214	225	211	227	185	90	80	98	68	153
5	46	66	79	77	88	117	140	200	125	114	333	289	255	243	256	222	266	294	351	76	2	342	327	345	8
6	340	32	218	255	339	41	84	94	65	34	72	89	94	82	70	92	100	101	118	116	133	103	91	101	83
7	99	99	95	107	149	132	117	141	143	149	151	159	157	161	156	147	140	138	136	150	95	106	134	128	133
8	154	97	68	40	91	127	170	330	23	274	271	285	299	288	280	282	282	283	52	72	86	88	81	352	10
9	313	306	311	320	321	347	339	354	345	351	351	352	320	320	331	325	332	324	329	315	299	109	312	311	329
10	306	323	281	314	305	309	314	306	304	299	302	306	303	301	300	304	298	295	291	290	294	288	288	285	300
11	286	300	324	325	77	71	129	35	241	253	265	289	290	274	284	278	294	335	284	157	96	90	84	140	300
12	144	151	137	152	151	153	109	107	135	231	243	263	289	330	306	312	315	331	348	358	5	319	287	270	277
13	291	296	306	172	185	195	221	83	103	180	197	161	160	182	28	115	153	151	152	162	151	120	129	119	159
14	140	138	154	137	137	115	126	133	138	151	156	158	160	155	155	157	156	155	150	130	102	109	115	111	139
15	141	145	132	146	163	159	138	156	156	166	152	130	136	134	145	151	86	90	146	119	178	214	323	345	144
16	337	308	311	345	90	168	261	316	75	131	123	116	123	141	141	145	145	135	136	134	122	124	136	269	130
17	155	170	314	177	340	62	86	130	163	176	163	208	220	235	208	268	288	272	305	284	102	76	79	94	183
18	95	103	122	112	83	123	349	348	309	298	292	263	276	283	268	256	266	243	292	30	83	78	98	114	341
19	129	115	97	112	139	151	131	89	161	194	198	181	216	296	312	289	110	298	285	258	105	271	239	211	181
20	298	285	137	1	49	53	64	56	281	112	163	102	76	104	94	94	105	116	165	312	306	112	309	55	76
21	190	302	296	18	316	282	139	289	314	304	312	291	290	78	101	51	192	193	192	174	284	71	297	268	283
22	48	109	129	132	86	148	168	198	203	222	222	222	229	222	234	254	270	263	266	270	270	269	253	245	221
23	252	250	245	220	212	245	251	244	255	260	266	251	259	252	261	266	277	262	264	259	258	275	269	263	255
24	209	276	245	260	232	261	308	298	269	278	237	297	291	320	328	332	324	316	329	308	118	58	63	78	295
25	50	89	103	34	152	151	293	344	274	275	260	262	265	265	296	32	142	248	263	288	294	156	210	100	263
26	79	117	91	67	86	116	29	299	229	282	309	310	314	300	282	261	258	312	2	74	78	16	143	66	5
27	83	106	79	61	76	109	128	127	279	254	73	212	282	199	80	272	274	320	330	301	344	10	9	164	39
28	113	99	98	73	53	115	7	221	276	249	264	280	268	255	259	259	268	290	258	245	107	63	103	101	243
29	77	134	36	113	30	92	155	140	314	254	267	271	265	258	224	199	204	281	289	317	126	301	319	196	244
30	103	153	264	270	18	105	270	296	316	298	319	287	304	300	301	315	317	324	337	340	317	310	267	263	305
31	307	331	328	320	305	311	308	310	316	323	308	317	295	314	311	297	301	286	308	304	94	64	102	87	319
Prev	84	97	79	80	94	115	139	51	255	243	250	253	256	252	262	259	250	272	282	256	87	73	78	97	220

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
June 2016

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	87	99	109	143	58	118	175	335	3	281	258	261	256	265	258	233	186	197	205	127	160	82	122	118	169
2	101	88	89	193	47	130	141	100	24	266	255	288	316	277	277	272	282	272	260	259	253	276	277	275	268
3	280	290	146	134	96	82	74	312	278	262	270	279	266	270	287	289	296	297	307	313	177	107	97	37	288
4	70	58	94	129	148	52	144	353	334	325	301	265	276	278	306	320	277	264	289	311	124	82	69	42	348
5	106	122	136	115	90	113	121	354	342	326	301	255	276	258	298	357	332	26	18	19	188	127	87	119	49
6	354	92	84	116	129	126	131	141	153	156	162	162	154	147	148	138	152	152	149	143	97	24	85	118	129
7	120	95	75	90	96	79	167	340	343	269	276	310	280	228	246	260	328	341	162	87	138	149	177	113	137
8	17	47	82	53	110	123	340	285	18	293	268	278	308	308	280	243	225	279	112	328	146	124	221	323	313
9	306	319	297	6	68	112	238	89	330	311	308	290	290	298	304	324	94	69	37	147	101	72	78	89	4
10	87	107	123	349	170	135	63	150	146	141	140	133	127	130	132	129	342	313	305	308	313	296	250	282	131
11	130	139	163	121	105	108	122	43	266	286	281	280	309	326	291	310	300	285	302	273	279	268	318	298	287
12	322	290	294	189	156	170	242	266	262	285	279	284	271	268	250	249	257	270	294	261	114	99	77	74	260
13	77	73	124	74	75	87	153	344	159	200	190	197	176	175	238	265	260	215	157	171	130	81	111	87	146
14	110	113	69	344	96	154	114	197	152	162	195	182	233	279	289	287	314	285	283	357	269	278	62	91	209
15	82	94	133	64	147	146	127	121	117	138	148	142	140	152	138	136	143	113	126	351	13	308	147	254	126
16	89	116	200	295	69	151	249	238	258	257	257	253	247	241	286	276	286	293	25	357	143	167	113	133	238
17	94	126	71	68	50	95	175	338	Au	Au	Au	328	12	107	77	132	40	48	61	83	77	74	93	150	77
18	126	127	141	131	265	93	10	164	169	160	155	161	176	195	208	204	252	306	300	311	322	268	237	255	199
19	288	289	277	291	318	284	298	293	289	274	268	263	255	265	263	262	283	304	302	310	41	66	54	112	291
20	51	123	112	135	52	7	32	155	143	148	156	163	189	345	165	183	189	167	135	129	86	127	126	199	134
21	136	121	143	115	55	84	3	34	302	284	277	284	278	286	285	286	287	290	298	313	300	315	110	106	310
22	102	69	70	53	53	64	108	345	279	243	264	274	281	277	273	286	316	316	312	1	97	255	141	314	326
23	196	125	32	106	230	93	118	19	165	174	195	249	210	215	239	224	200	269	323	221	9	10	356	319	213
24	302	92	62	161	59	57	325	220	180	165	174	151	139	298	327	297	303	305	288	293	277	288	301	272	280
25	246	257	268	258	266	270	278	274	267	275	270	277	269	262	272	287	294	281	283	298	231	86	98	114	269
26	88	84	77	53	55	36	57	351	289	288	269	293	294	266	325	311	320	332	357	31	71	40	141	134	6
27	139	354	19	340	64	49	353	147	156	147	145	112	337	314	318	321	331	337	185	80	82	106	72	86	54
28	82	106	145	117	136	294	313	232	318	260	147	154	182	268	287	298	324	320	341	229	88	82	45	95	228
29	85	134	4	212	85	359	342	32	326	215	292	299	293	329	314	105	151	98	101	86	81	69	83	89	52
30	127	128	175	228	360	87	82	133	152	153	144	159	238	271	329	160	142	98	67	73	174	140	174	152	141
Prev	91	99	104	107	85	95	100	342	266	238	235	244	255	265	276	265	281	298	313	337	114	79	103	106	206

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
April 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	33	68	88	68	72	41	47	42	28	57	19	30	19	23	23	14	10	9	19	70	14	13	29	32	36	88	9
2	24	44	47	39	58	63	42	89	76	31	11	14	14	15	13	13	11	10	9	10	9	11	11	11	28	89	9
3	10	12	11	22	36	23	78	49	33	25	23	19	19	25	16	19	15	16	17	19	11	14	29	41	24	78	10
4	57	76	49	32	28	20	19	23	82	21	17	16	19	17	13	89	38	78	15	20	20	9	15	13	33	89	9
5	17	15	11	13	11	10	8	8	9	8	7	9	11	10	10	11	10	10	9	9	11	11	12	16	11	17	7
6	15	12	13	27	58	23	45	17	14	11	11	11	11	10	9	11	10	10	10	10	25	32	37	64	21	64	9
7	74	22	42	35	61	47	61	77	83	20	19	31	20	28	22	12	15	10	52	46	25	22	27	29	37	83	10
8	39	37	60	43	50	19	55	67	38	79	78	29	31	23	38	30	14	13	12	25	11	11	20	29	35	79	11
9	57	34	70	67	60	78	91	49	17	12	19	12	20	18	13	14	32	10	16	37	82	15	20	51	37	91	10
10	52	60	75	70	37	40	24	17	26	29	46	21	30	31	20	19	18	18	36	82	24	10	33	19	35	82	10
11	22	13	15	18	23	29	26	18	90	60	27	27	25	24	24	21	23	11	11	62	18	18	28	50	28	90	11
12	37	52	35	79	57	65	90	90	76	49	19	19	14	23	59	17	72	58	23	62	53	23	59	14	48	90	14
13	19	12	59	87	28	77	43	21	11	18	12	14	14	18	17	17	14	14	29	70	32	31	27	38	30	87	11
14	88	86	38	44	85	79	47	38	10	13	70	11	55	44	56	28	14	10	12	11	13	14	12	13	37	88	10
15	13	11	12	8	10	8	8	8	9	16	7	6	8	10	12	13	19	32	44	28	21	57	68	56	20	68	6
16	64	88	32	41	69	81	75	83	88	81	42	13	12	12	15	8	10	11	23	69	39	34	45	34	45	88	8
17	36	30	38	45	35	43	78	78	24	38	35	27	25	22	21	26	69	13	10	8	14	56	30	42	35	78	8
18	66	91	69	62	66	69	97	96	97	43	21	51	25	49	47	42	86	18	43	63	49	69	64	54	60	97	18
19	65	94	23	46	68	88	51	41	78	81	24	44	71	65	51	26	33	68	8	11	22	10	23	15	46	94	8
20	20	28	47	61	53	27	39	73	60	41	21	18	21	26	71	65	33	12	15	64	65	22	37	45	40	73	12
21	29	15	46	71	26	46	71	78	25	17	19	21	22	33	27	19	22	23	32	27	45	33	18	17	33	78	15
22	23	22	26	21	26	19	26	85	91	97	13	13	19	22	25	26	17	11	36	38	38	24	22	61	33	97	11
23	69	30	54	42	23	30	83	94	91	26	13	22	19	17	35	18	54	51	7	11	16	9	11	11	35	94	7
24	15	10	14	8	15	10	9	14	15	9	8	10	11	13	10	10	14	12	11	10	20	20	24	15	13	24	8
25	18	11	19	13	12	7	8	9	9	11	12	15	13	11	12	14	12	16	12	10	13	7	7	10	12	19	7
26	9	9	9	11	11	13	13	10	9	13	11	13	14	8	14	22	29	15	20	11	32	12	9	9	14	32	8
27	29	21	8	9	22	14	11	30	15	41	15	18	16	16	41	14	14	8	10	14	18	59	40	15	21	59	8
28	25	60	21	6	7	8	7	13	61	46	10	8	8	7	8	10	9	7	9	14	38	11	14	27	18	61	6
29	11	19	12	12	12	14	37	14	11	14	18	10	11	14	12	10	9	7	11	18	16	14	12	14	14	37	7
30	12	17	16	49	48	91	92	42	76	30	45	13	11	8	26	17	22	20	7	15	59	32	23	41	34	92	7
Avg	35	37	35	38	39	39	46	46	45	35	23	19	20	21	25	22	25	20	19	31	28	23	27	30	30	74	9
Max	88	94	88	87	85	91	97	96	97	97	78	51	71	65	71	89	86	78	52	82	82	69	68	64	60	97	18
Min	9	9	8	6	7	7	7	8	9	8	7	6	8	7	8	8	9	7	7	8	9	7	7	9	11	17	6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
May 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	28	54	43	64	21	55	85	65	11	12	12	13	13	13	14	15	13	10	7	12	22	6	41	20	27	85	6
2	30	63	44	63	70	57	69	66	52	26	32	30	20	24	19	21	18	11	26	56	47	28	24	39	39	70	11
3	22	21	15	25	37	50	31	81	69	41	23	25	22	31	37	44	47	23	23	40	22	53	16	18	34	81	15
4	19	22	18	25	22	24	18	27	22	29	30	22	18	23	23	25	18	15	10	61	20	14	22	22	23	61	10
5	47	39	28	30	32	26	40	90	78	53	86	31	43	52	68	34	44	27	36	21	83	67	66	19	48	90	19
6	13	55	54	76	78	44	17	34	44	74	18	20	15	14	11	20	17	11	21	14	18	15	27	18	30	78	11
7	26	17	13	43	23	19	16	13	12	10	11	11	12	13	11	12	13	13	10	14	80	39	42	24	21	80	10
8	76	79	31	37	38	50	74	66	64	63	25	28	37	29	20	17	19	14	51	28	17	11	36	48	40	79	11
9	24	15	16	7	7	18	21	19	18	17	17	18	31	20	24	14	13	13	15	19	55	88	41	36	24	88	7
10	35	22	43	25	10	9	10	9	10	9	10	10	9	12	10	9	11	10	12	11	11	9	9	10	14	43	9
11	8	14	11	13	55	24	40	88	51	10	12	12	12	16	11	22	16	19	41	89	35	11	20	56	29	89	8
12	20	23	31	17	14	18	24	24	20	41	19	20	17	13	36	15	23	13	34	23	28	23	31	22	23	41	13
13	61	50	47	40	13	16	59	85	31	64	64	29	24	37	100	68	14	7	7	11	29	16	15	30	38	100	7
14	12	10	8	11	9	14	17	15	12	14	10	11	9	9	8	7	8	8	7	14	19	20	18	14	12	20	7
15	13	10	11	12	24	7	21	10	8	10	17	15	17	15	11	7	33	44	34	38	27	42	46	69	23	69	7
16	37	32	23	40	43	70	46	11	92	17	17	27	28	14	13	11	10	15	12	9	11	11	22	81	29	92	9
17	42	61	74	64	68	87	41	59	33	29	31	58	86	54	42	22	23	29	17	43	24	9	15	22	43	87	9
18	23	35	31	28	53	35	74	81	70	17	25	30	29	36	19	21	17	15	67	61	11	8	13	19	34	81	8
19	22	28	28	24	19	20	43	15	80	15	20	16	46	18	55	55	75	71	39	18	38	81	77	62	40	81	15
20	25	34	63	63	45	41	15	48	59	91	31	21	17	16	15	12	15	34	39	19	70	29	75	95	41	95	12
21	79	34	41	77	10	29	73	82	67	14	16	48	39	35	76	37	22	30	22	59	34	66	69	37	46	82	10
22	71	37	37	42	18	30	81	9	15	12	13	13	14	14	17	14	17	21	12	11	11	13	20	11	23	81	9
23	11	26	10	11	15	12	13	12	13	14	13	12	12	15	18	10	10	12	13	9	16	15	11	72	16	72	9
24	85	15	16	22	23	16	51	40	58	43	53	30	17	45	27	13	13	12	31	44	44	23	17	12	31	85	12
25	34	24	19	75	54	50	84	62	21	23	24	24	21	17	39	57	52	67	13	75	39	55	71	81	45	84	13
26	75	37	80	76	57	79	89	33	78	10	18	18	13	19	15	16	11	24	67	10	33	64	43	10	41	89	10
27	75	30	18	19	22	41	45	49	33	65	25	71	44	84	18	45	12	15	8	29	37	56	76	91	42	91	8
28	51	31	51	27	62	34	73	56	21	26	19	16	17	19	18	21	19	16	14	17	52	25	24	16	30	73	14
29	43	22	38	35	52	33	74	79	59	14	21	21	22	27	31	28	35	78	39	24	48	24	31	48	39	79	14
30	44	98	27	30	75	68	11	16	12	16	19	31	12	13	29	18	15	13	17	10	12	18	82	43	30	98	10
31	15	9	7	12	10	8	10	12	12	14	17	18	21	19	18	21	16	15	14	30	72	47	23	16	19	72	7
Avg	38	34	31	37	35	35	44	44	40	29	24	24	24	25	28	24	22	23	24	30	34	32	36	37	31	78	10
Max	85	98	80	77	78	87	89	90	92	91	86	71	86	84	100	68	75	78	67	89	83	88	82	95	48	100	19
Min	8	9	7	7	7	7	10	9	8	9	10	10	9	9	8	7	8	7	7	9	11	6	9	10	12	20	6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
June 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	11	18	26	9	59	28	87	52	35	66	28	27	31	30	22	22	21	23	21	63	47	36	19	23	34	87	9
2	18	29	42	97	85	93	18	78	92	16	14	22	15	14	14	16	9	14	12	11	10	12	15	13	32	97	9
3	11	11	86	71	22	56	37	27	15	19	17	23	20	26	20	20	11	15	11	15	82	37	35	51	31	86	11
4	57	60	50	46	68	85	31	74	27	39	39	20	27	32	32	31	69	30	13	56	36	12	21	45	42	85	12
5	39	33	18	58	45	64	87	55	28	32	62	24	36	20	28	23	24	22	9	36	67	53	72	94	43	94	9
6	40	48	48	21	23	17	34	16	8	8	14	16	16	19	28	42	18	13	7	10	61	61	43	15	26	61	7
7	19	35	21	20	35	53	55	67	47	32	27	28	42	43	24	17	23	21	86	31	85	27	66	31	39	86	17
8	37	57	35	35	44	63	90	83	41	41	24	44	70	57	47	35	28	39	77	96	13	46	93	72	53	96	13
9	60	36	54	52	93	30	72	94	64	39	33	18	21	24	42	38	63	54	85	58	49	25	24	59	49	94	18
10	41	51	36	98	73	94	63	34	11	10	12	11	14	12	11	12	81	29	32	20	46	33	68	61	40	98	10
11	91	59	84	39	30	27	55	90	17	28	14	19	37	30	13	19	14	18	16	52	55	55	16	30	38	91	13
12	21	21	39	59	23	81	28	20	20	33	26	21	20	26	24	21	22	23	16	28	32	12	10	13	27	81	10
13	19	29	23	38	52	44	24	65	42	18	18	17	15	17	79	62	24	51	18	12	26	17	39	28	32	79	12
14	68	90	99	84	47	22	81	66	12	25	15	17	46	22	21	15	15	17	28	82	12	24	46	21	41	99	12
15	18	55	23	60	21	56	27	28	23	17	11	13	10	15	11	11	11	41	20	54	97	63	45	92	34	97	10
16	67	100	53	56	52	46	50	16	15	12	14	24	27	26	10	24	13	10	64	85	45	29	34	36	38	100	10
17	17	21	50	36	30	47	55	64	Au	Au	Au	48	45	71	52	33	60	23	22	33	11	35	19	81	41	81	11
18	28	18	28	34	86	15	88	86	8	13	12	19	17	16	13	12	37	14	15	9	18	48	77	83	33	88	8
19	45	26	14	16	35	52	22	20	15	20	20	13	12	14	18	16	21	10	12	10	68	48	52	37	26	68	10
20	29	30	53	27	82	91	94	12	12	15	21	27	57	71	75	41	33	26	10	12	69	48	17	66	42	94	10
21	17	66	39	26	35	59	74	64	84	13	22	13	14	12	12	13	14	12	14	12	11	22	89	45	33	89	11
22	46	33	52	36	64	81	91	39	28	25	34	16	26	32	46	45	21	28	11	62	42	91	62	56	44	91	11
23	75	73	85	58	88	78	96	63	18	41	59	64	21	30	17	20	13	42	22	76	15	15	30	19	47	96	13
24	26	52	91	50	84	62	55	99	95	87	28	17	17	50	42	22	10	10	11	12	12	16	12	11	40	99	10
25	30	14	11	11	13	11	11	11	12	11	12	15	15	15	19	16	14	14	10	9	57	46	21	22	18	57	9
26	42	50	34	38	37	67	85	37	40	22	32	42	27	31	31	42	45	18	33	14	55	30	75	86	42	86	14
27	78	88	54	33	26	53	55	65	12	21	28	79	61	37	30	41	59	42	49	24	10	51	27	12	43	88	10
28	44	46	52	37	26	99	78	61	19	54	29	28	40	58	31	34	26	38	46	65	57	9	56	45	45	99	9
29	85	38	74	94	70	68	65	58	91	39	33	20	25	32	40	45	12	21	19	37	20	13	13	49	44	94	12
30	20	41	43	66	73	12	12	35	22	23	25	48	32	63	47	38	14	14	46	52	58	30	21	16	35	73	12
Avg	40	44	47	47	51	55	57	53	33	28	25	26	29	32	30	28	28	24	28	38	42	35	41	44	38	88	11
Max	91	100	99	98	93	99	96	99	95	87	62	79	70	71	79	62	81	54	86	96	97	91	93	94	53	100	18
Min	11	11	11	9	13	11	11	11	8	8	11	11	10	12	10	11	9	10	7	9	10	9	10	11	18	57	7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
April 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-1.6	-1.6	-1.7	-2.1	-1.9	-1.9	-2.3	-2.3	-0.3	2.2	3.3	5.0	6.1	7.2	8.8	9.2	9.4	9.3	8.5	5.1	2.0	0.4	-1.3	-1.9	2.4	9.4	-2.3
2	-2.6	-2.8	-3.3	-3.7	-4.4	-4.9	-4.8	-3.1	2.1	8.3	9.5	10.7	11.5	12.5	13.4	13.9	13.9	13.2	12.2	11.1	10.4	9.9	10.0	9.7	5.9	13.9	-4.9
3	9.6	9.2	8.3	6.8	4.2	1.6	0.7	2.8	7.1	8.5	9.6	10.4	11.0	11.7	11.7	12.1	12.3	12.0	10.7	5.2	3.5	2.2	0.3	-0.9	7.1	12.3	-0.9
4	-1.5	-1.9	-2.0	-1.8	-2.4	-2.6	-2.5	0.0	5.9	10.5	12.3	12.9	14.7	15.5	9.7	6.2	5.8	5.0	2.2	-0.2	-0.2	-0.7	-1.1	-1.3	3.4	15.5	-2.6
5	-1.5	-1.7	-1.5	-1.5	-1.8	-2.4	-2.8	-2.7	-2.4	-1.9	-0.8	0.1	1.0	1.8	2.7	2.9	2.9	2.6	1.9	1.0	0.5	-0.1	-0.2	-0.3	-0.2	2.9	-2.8
6	-0.3	-0.2	-0.3	-0.2	-0.9	-2.1	-2.0	1.9	3.6	4.2	4.9	5.2	6.1	7.3	8.3	9.1	9.6	9.3	9.1	8.0	6.7	4.5	3.1	2.1	4.0	9.6	-2.1
7	2.0	1.5	0.2	0.0	-0.9	-2.1	-2.7	-0.4	4.0	7.2	7.7	8.7	9.4	10.7	11.7	12.5	12.7	12.8	11.6	6.3	3.9	2.3	0.6	-0.3	5.0	12.8	-2.7
8	-1.6	-1.9	-3.0	-3.4	-3.5	-3.6	-4.0	-0.6	3.9	10.6	13.2	14.8	16.0	16.8	17.3	17.9	18.3	18.1	16.6	9.3	5.9	4.2	2.9	0.9	6.9	18.3	-4.0
9	-0.8	-0.4	-0.7	-1.4	-1.6	-1.9	-0.8	4.9	11.9	12.1	11.5	10.7	11.2	12.6	13.1	13.3	13.1	11.6	9.7	7.7	6.0	4.8	3.6	2.3	6.4	13.3	-1.9
10	0.7	-0.2	0.4	2.5	2.3	1.3	0.5	0.3	0.6	2.0	3.5	4.8	5.7	6.9	7.4	7.5	7.5	7.4	6.2	3.6	1.9	0.9	-0.9	-0.1	3.0	7.5	-0.9
11	0.0	-0.7	-1.4	-2.2	-4.5	-5.0	-4.8	-1.6	2.9	6.5	8.7	10.1	11.3	12.6	13.4	14.0	14.3	14.2	13.5	10.3	5.3	2.5	1.1	-0.1	5.0	14.3	-5.0
12	-0.8	-1.5	-2.0	-2.7	-3.0	-3.3	-3.1	1.0	5.7	11.5	12.9	14.2	15.3	15.8	15.8	15.0	13.1	11.5	10.6	8.2	6.6	6.8	6.8	5.2	6.6	15.8	-3.3
13	4.7	4.2	3.9	4.7	5.1	4.5	4.4	3.9	2.2	0.9	2.1	2.9	4.2	6.0	7.0	7.3	6.8	6.4	6.1	3.0	0.8	-0.3	-1.4	-0.7	3.7	7.3	-1.4
14	-0.7	0.4	0.4	1.0	1.9	3.6	4.3	5.2	5.3	5.9	4.8	3.6	3.5	4.0	4.4	3.4	2.3	1.8	1.5	0.2	-0.3	-0.7	-0.9	-1.2	2.2	5.9	-1.2
15	-1.4	-1.5	-1.6	-1.9	-2.1	-2.2	-2.5	-2.4	-2.3	-2.1	-1.9	-1.5	-1.7	-1.5	-1.1	-0.7	-0.6	-0.7	-0.9	-1.2	-2.0	-2.4	-3.5	-5.5	-1.9	-0.6	-5.5
16	-6.8	-6.4	-7.2	-8.9	-10.2	-10.7	-10.7	-8.8	-5.9	-3.0	-0.1	1.5	2.9	3.5	4.5	4.8	5.1	5.1	4.2	1.7	-0.9	-1.5	-3.1	-3.8	-2.3	5.1	-10.7
17	-4.6	-5.0	-5.7	-5.8	-6.2	-7.0	-6.9	-3.8	0.1	4.2	6.0	6.9	7.9	8.7	9.7	10.2	10.7	10.3	8.9	5.9	3.9	1.0	-1.2	-2.9	1.9	10.7	-7.0
18	-4.0	-4.2	-5.0	-5.9	-6.1	-6.6	-6.3	-3.1	-0.9	2.9	6.0	8.0	8.6	9.4	10.2	10.6	10.8	10.3	9.5	6.8	5.0	3.2	2.5	2.3	2.7	10.8	-6.6
19	2.4	2.0	0.4	-1.3	-2.7	-2.8	-2.0	2.2	7.1	10.5	12.1	12.9	13.7	14.7	15.6	16.1	16.5	15.3	12.7	10.0	7.9	5.1	2.6	1.8	7.2	16.5	-2.8
20	0.9	0.1	-1.0	-2.0	-2.5	-2.9	-2.5	2.1	7.5	12.4	15.0	16.2	17.3	17.9	18.3	18.1	17.9	16.6	15.0	12.4	10.5	8.0	5.2	3.4	8.5	18.3	-2.9
21	3.7	5.0	4.4	3.2	2.3	1.7	2.6	7.2	12.5	13.8	15.2	16.8	17.9	18.7	19.4	19.9	19.9	19.7	18.4	15.1	13.7	12.8	10.4	7.2	11.7	19.9	1.7
22	6.1	4.6	4.3	3.4	3.0	3.0	3.4	6.2	10.6	16.7	18.6	18.7	19.0	19.9	20.4	20.5	20.2	19.3	17.5	14.7	11.6	8.0	7.0	5.3	11.8	20.5	3.0
23	4.9	3.1	0.8	0.0	-0.1	-0.3	1.1	2.6	4.4	5.9	6.3	7.6	10.6	11.1	8.4	6.6	7.0	6.3	5.5	5.2	4.2	3.8	3.6	3.4	4.7	11.1	-0.3
24	3.2	3.1	2.6	2.2	2.2	2.1	2.2	2.2	2.9	3.3	3.7	4.0	4.0	4.9	5.7	5.5	5.4	5.2	4.9	4.6	4.3	4.3	4.0	3.8	3.8	5.7	2.1
25	3.6	3.4	3.5	3.4	3.3	3.2	3.3	3.3	3.4	3.9	4.5	4.8	5.0	4.7	5.0	4.6	4.5	4.1	3.0	2.4	1.9	1.6	1.3	1.0	3.4	5.0	1.0
26	0.6	0.4	0.1	-0.1	-0.3	-0.4	-0.7	-1.0	-0.6	0.1	0.7	1.1	1.2	1.3	1.2	1.3	1.3	1.1	0.9	0.4	0.1	0.0	-0.2	-0.2	0.3	1.3	-1.0
27	0.0	-0.2	-0.4	-0.6	-0.6	-0.7	-0.3	0.5	0.8	0.7	1.0	1.6	1.4	2.3	3.0	2.3	1.6	0.9	1.0	0.6	-0.1	-0.3	-1.1	-1.5	0.5	3.0	-1.5
28	-1.7	-1.9	-1.9	-2.3	-2.6	-2.8	-2.7	-2.4	-1.7	-1.1	-0.8	-0.6	-0.1	0.0	0.1	0.7	1.0	0.1	0.3	-0.3	-0.6	-0.6	-0.8	-0.7	-1.0	1.0	-2.8
29	-1.1	-1.2	-1.4	-1.5	-1.4	-2.1	-1.6	-0.3	0.3	0.8	1.2	1.9	3.2	4.4	5.1	5.2	5.1	4.4	3.6	3.0	2.5	2.6	2.7	2.5	1.6	5.2	-2.1
30	2.3	1.9	1.7	0.7	-0.1	0.0	0.7	2.4	3.2	3.4	3.7	3.5	4.0	4.3	4.8	5.1	4.9	4.6	4.2	3.0	1.4	0.0	-1.2	-2.4	2.3	5.1	-2.4
Avg	0.5	0.2	-0.3	-0.7	-1.2	-1.6	-1.4	0.5	3.1	5.4	6.5	7.3	8.1	8.9	9.2	9.2	9.1	8.6	7.6	5.4	3.9	2.7	1.7	0.9	3.9	9.9	-2.5
Max	9.6	9.2	8.3	6.8	5.1	4.5	4.4	7.2	12.5	16.7	18.6	18.7	19.0	19.9	20.4	20.5	20.2	19.7	18.4	15.1	13.7	12.8	10.4	9.7	11.8	20.5	3.0
Min	-6.8	-6.4	-7.2	-8.9	-10.2	-10.7	-10.7	-8.8	-5.9	-3.0	-1.9	-1.5	-1.7	-1.5	-1.1	-0.7	-0.6	-0.7	-0.9	-1.2	-2.0	-2.4	-3.5	-5.5	-2.3	-0.6	-10.7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
May 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-3.3	-4.0	-4.6	-4.8	-4.8	-4.8	-3.2	2.0	5.5	6.4	7.5	8.7	9.6	10.6	11.4	12.1	12.2	11.8	10.7	8.6	6.2	3.7	1.2	0.4	4.1	12.2	-4.8
2	-0.6	-2.1	-2.8	-3.7	-4.3	-4.4	-2.5	2.3	7.6	10.5	12.0	13.3	14.8	16.0	16.8	17.2	17.4	17.2	16.3	13.6	9.3	6.8	4.8	3.0	7.4	17.4	-4.4
3	2.4	2.5	1.4	0.2	-0.9	-1.5	0.2	5.5	11.4	15.1	16.6	17.5	18.3	19.1	19.7	20.0	20.3	20.2	19.5	15.3	10.6	7.8	6.9	5.1	10.6	20.3	-1.5
4	3.6	3.2	2.9	1.9	1.1	1.7	3.3	10.6	16.0	17.6	18.8	19.5	19.5	20.0	20.3	20.4	20.8	20.2	19.5	16.7	11.0	8.8	6.5	6.1	12.1	20.8	1.1
5	5.0	4.5	3.7	3.6	2.8	2.0	3.1	6.9	14.1	17.3	18.6	19.5	20.4	20.7	21.1	21.1	21.0	20.6	19.2	17.3	15.2	14.5	12.7	10.8	13.2	21.1	2.0
6	9.3	8.2	7.1	7.4	7.1	7.9	8.4	9.3	9.8	10.5	10.9	11.1	11.1	10.8	10.1	10.2	10.6	10.2	9.8	9.0	8.4	8.0	7.8	7.7	9.2	11.1	7.1
7	7.1	5.0	5.4	5.6	6.8	7.0	7.9	9.0	9.9	10.7	11.8	12.8	14.2	15.6	16.1	16.2	16.2	16.0	15.2	12.9	11.7	10.6	8.9	7.0	10.8	16.2	5.0
8	4.3	2.2	1.8	1.4	0.5	0.0	1.9	7.1	12.2	14.7	16.0	16.8	17.7	18.7	19.4	18.9	19.8	19.7	17.9	14.7	12.2	9.8	8.3	9.2	11.0	19.8	0.0
9	9.1	6.2	5.2	4.5	3.5	3.0	3.4	4.2	3.7	2.9	2.1	1.1	0.5	0.2	1.2	1.4	0.8	0.2	-0.1	0.0	0.0	0.3	0.1	0.0	2.2	9.1	-0.1
10	0.0	-0.2	-0.8	-1.0	-1.7	-1.8	-2.3	-2.4	-2.5	-2.2	-2.0	-1.7	-1.3	-0.9	-0.8	-0.5	-0.6	-0.6	-0.4	-0.3	-0.3	-0.4	-0.4	0.0	-1.0	0.0	-2.5
11	0.0	-0.4	-1.6	-2.9	-4.6	-5.6	-6.5	-4.6	-0.4	1.4	2.7	3.7	4.7	5.7	5.4	5.8	6.4	6.5	5.7	4.7	1.5	0.1	-0.9	-2.0	1.0	6.5	-6.5
12	-2.7	-2.8	-3.1	-3.0	-2.4	-2.7	0.5	5.1	8.3	10.4	11.4	12.8	12.8	12.6	12.6	12.5	11.8	9.4	6.0	3.8	3.1	2.4	1.8	1.2	5.1	12.8	-3.1
13	0.9	0.6	0.9	0.5	0.3	0.1	0.3	0.8	1.2	1.7	2.4	2.9	3.1	3.5	4.3	5.0	5.0	4.3	4.0	3.3	3.1	3.0	2.1	1.8	2.3	5.0	0.1
14	1.7	2.0	0.8	1.3	1.5	1.3	1.3	1.4	1.7	2.5	3.5	4.4	5.5	6.6	7.6	8.1	8.3	7.9	7.0	5.8	5.1	5.0	4.9	4.6	4.2	8.3	0.8
15	3.9	3.0	2.4	1.7	2.5	3.0	3.1	3.3	3.1	3.9	4.9	5.8	5.6	5.9	6.1	3.3	2.8	3.3	3.4	3.3	2.8	2.6	2.5	2.5	3.5	6.1	1.7
16	2.5	2.5	2.4	2.5	3.4	3.4	3.7	3.9	5.6	7.0	7.5	8.6	9.9	10.6	10.8	11.5	11.8	12.0	11.3	9.7	8.5	7.8	6.8	4.1	7.0	12.0	2.4
17	3.9	4.0	3.0	1.8	1.1	0.7	3.7	7.8	10.0	11.3	12.2	13.2	13.8	14.4	14.6	14.6	14.6	14.7	14.3	12.6	8.9	6.8	5.1	3.9	8.8	14.7	0.7
18	3.4	2.7	1.9	1.6	0.8	0.7	2.7	7.9	12.2	13.5	14.4	15.3	15.5	16.2	16.9	17.6	17.1	16.6	15.0	13.4	11.1	9.0	6.8	4.9	9.9	17.6	0.7
19	3.5	3.3	3.0	2.7	2.4	3.1	7.2	11.8	14.4	15.3	15.6	15.9	14.7	7.5	7.1	8.7	9.4	9.9	9.0	8.4	7.7	7.6	7.2	6.7	8.4	15.9	2.4
20	6.3	6.5	6.5	6.4	5.8	5.4	5.4	7.2	9.0	10.3	11.3	10.9	10.8	10.6	10.7	10.7	11.0	11.8	11.2	6.1	6.7	7.4	6.6	5.1	8.3	11.8	5.1
21	6.6	5.5	5.3	5.5	4.4	3.5	4.0	5.0	5.9	5.7	3.9	4.6	2.5	3.3	5.1	6.9	8.0	8.7	8.8	8.0	5.5	5.0	4.4	4.0	5.4	8.8	2.5
22	3.4	2.4	0.9	0.1	0.7	0.3	1.9	4.7	6.0	6.0	6.6	7.7	7.3	7.3	8.0	8.7	7.9	7.4	7.5	6.8	6.3	5.8	5.3	5.1	5.2	8.7	0.1
23	5.1	4.9	4.9	4.2	3.9	4.0	3.4	3.4	3.7	4.2	4.8	5.2	5.6	5.4	4.1	4.0	4.1	3.9	3.7	3.2	2.7	2.5	2.5	2.4	4.0	5.6	2.4
24	2.3	2.3	2.2	2.2	2.0	1.8	2.3	3.0	4.1	4.7	5.9	5.7	6.7	7.3	8.5	8.4	8.7	8.6	8.7	7.5	5.4	4.1	3.2	1.7	4.9	8.7	1.7
25	0.9	-0.3	-0.9	-1.6	-1.5	-1.5	-0.4	4.6	6.6	7.6	8.8	10.0	10.9	11.4	11.1	6.2	6.3	7.8	8.1	6.7	6.0	5.4	4.7	3.3	5.0	11.4	-1.6
26	2.7	2.3	2.0	1.9	1.9	2.3	3.3	4.6	6.1	6.8	8.2	9.9	9.6	11.2	12.2	12.0	11.8	12.0	12.3	10.5	8.9	7.8	7.4	6.5	7.3	12.3	1.9
27	5.1	4.5	3.9	3.1	3.0	2.7	4.5	7.8	8.5	7.1	7.9	9.7	10.9	9.4	9.8	8.9	7.5	7.5	7.1	7.0	6.5	6.0	5.7	3.7	6.6	10.9	2.7
28	2.2	1.6	1.0	0.8	0.2	0.0	1.4	4.5	5.4	6.4	7.5	7.9	8.4	9.2	10.1	10.3	10.4	10.7	10.3	9.0	5.3	3.3	1.7	0.4	5.3	10.7	0.0
29	-0.3	-1.1	-1.3	-1.0	-1.4	-0.7	1.4	6.3	10.4	11.6	12.3	13.0	13.9	14.8	15.2	15.2	15.1	15.3	14.7	13.4	11.7	11.3	10.6	9.4	8.7	15.3	-1.4
30	8.7	7.4	7.4	7.9	6.6	5.6	8.3	8.4	7.5	8.8	8.7	5.9	8.4	9.0	8.4	9.7	9.6	9.8	8.7	6.9	5.8	4.5	2.8	3.8	7.4	9.8	2.8
31	4.7	5.2	4.9	4.7	4.3	4.2	4.6	5.1	6.1	6.5	7.1	8.0	8.7	9.1	9.9	10.4	11.0	11.1	10.9	10.1	6.8	4.0	2.1	1.3	6.7	11.1	1.3
Avg	3.3	2.6	2.1	1.8	1.5	1.3	2.5	5.0	7.2	8.3	9.0	9.7	10.1	10.4	10.8	10.8	10.9	10.8	10.2	8.6	6.9	5.8	4.8	4.0	6.6	12.0	0.6
Max	9.3	8.2	7.4	7.9	7.1	7.9	8.4	11.8	16.0	17.6	18.8	19.5	20.4	20.7	21.1	21.1	21.0	20.6	19.5	17.3	15.2	14.5	12.7	10.8	13.2	21.1	7.1
Min	-3.3	-4.0	-4.6	-4.8	-4.8	-5.6	-6.5	-4.6	-2.5	-2.2	-2.0	-1.7	-1.3	-0.9	-0.8	-0.5	-0.6	-0.6	-0.4	-0.3	-0.3	-0.4	-0.9	-2.0	-1.0	0.0	-6.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
June 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.9	-0.2	-1.2	-1.9	-1.8	-1.5	1.2	6.0	10.6	12.7	13.9	14.4	15.2	16.2	16.8	17.0	17.5	17.8	17.4	15.2	13.0	12.8	10.5	8.7	9.6	17.8	-1.9
2	8.2	7.5	7.2	6.7	6.8	8.1	8.5	9.7	12.8	14.2	14.2	14.2	13.4	15.1	15.8	15.4	15.0	14.7	14.2	13.3	12.5	11.7	11.3	11.1	11.7	15.8	6.7
3	10.7	9.6	8.3	6.0	2.2	2.6	6.7	10.5	11.8	12.5	13.5	14.0	14.5	15.3	16.8	17.7	18.1	18.3	18.0	16.7	13.5	9.3	7.2	5.7	11.6	18.3	2.2
4	4.2	3.9	3.5	2.1	1.7	1.2	5.4	10.5	15.1	17.2	18.3	19.3	20.0	20.8	21.2	21.8	22.4	22.5	22.1	20.0	14.8	12.4	10.4	8.4	13.3	22.5	1.2
5	6.8	5.2	4.3	4.0	3.6	4.2	7.9	12.9	18.0	20.8	21.9	22.2	23.0	23.7	23.6	23.5	23.7	23.5	22.5	20.6	18.5	15.4	12.4	10.0	15.5	23.7	3.6
6	9.1	8.2	9.0	10.6	10.7	10.8	13.1	15.2	16.4	17.5	18.6	20.1	21.1	22.1	23.1	23.6	24.0	23.8	22.8	20.7	19.3	18.4	17.3	16.4	17.2	24.0	8.2
7	14.7	11.6	10.1	9.3	8.0	8.2	11.8	15.6	19.8	21.5	22.6	23.7	25.0	26.0	26.3	26.0	20.8	17.4	16.0	14.8	13.7	11.9	10.7	9.5	16.5	26.3	8.0
8	8.4	8.5	7.3	7.2	6.2	6.4	9.0	13.6	17.7	20.4	21.6	23.1	24.1	24.7	25.3	25.8	25.5	24.3	22.6	18.2	17.8	17.1	18.2	15.0	17.0	25.8	6.2
9	13.0	11.9	11.4	11.1	9.7	9.5	10.6	14.2	17.7	19.6	20.3	20.7	20.6	17.6	15.8	16.8	15.7	14.2	15.1	14.5	12.9	11.0	10.4	9.2	14.3	20.7	9.2
10	8.3	7.2	5.5	5.2	5.0	5.0	8.6	15.2	17.4	18.8	19.7	20.8	22.2	22.3	22.9	22.4	20.4	18.6	17.5	16.6	16.4	14.5	12.2	11.3	14.8	22.9	5.0
11	10.0	8.9	8.0	8.2	8.5	9.0	9.8	10.8	11.9	13.2	14.4	15.1	14.8	14.7	15.2	15.2	14.6	11.7	10.0	9.3	9.0	8.9	8.6	8.1	11.2	15.2	8.0
12	7.9	7.5	6.6	6.3	4.3	5.2	6.9	7.5	8.0	9.4	10.8	12.1	13.3	14.1	14.6	15.4	16.1	16.3	16.0	14.8	10.2	7.5	6.1	5.2	10.1	16.3	4.3
13	3.6	2.5	0.8	0.5	0.3	0.7	3.8	9.3	15.2	16.4	16.8	16.5	14.6	15.6	17.0	17.6	17.5	17.7	17.8	16.2	13.0	10.7	8.5	7.1	10.8	17.8	0.3
14	6.3	8.3	8.4	6.5	4.7	4.1	7.7	12.3	14.4	16.3	17.3	18.1	15.0	10.7	9.9	7.9	8.1	8.6	8.8	8.1	6.2	5.9	3.9	2.1	9.2	18.1	2.1
15	1.1	0.2	0.0	0.9	1.2	2.2	3.3	3.9	4.8	5.7	6.6	7.0	7.4	7.8	8.7	9.5	10.1	10.8	11.1	10.0	9.2	7.8	8.4	7.6	6.1	11.1	0.0
16	7.4	7.7	7.2	6.8	6.8	6.8	7.6	8.6	8.9	9.8	10.3	10.9	12.3	13.2	9.7	9.5	9.5	7.4	7.2	7.0	5.0	3.3	1.7	0.3	7.7	13.2	0.3
17	-0.5	-1.2	-1.8	-1.8	-1.9	-2.2	0.2	4.6	Au	Au	Au	12.3	13.7	14.6	15.4	16.0	16.2	16.3	15.8	13.9	13.0	12.2	11.0	11.8	8.5	16.3	-2.2
18	12.2	11.7	11.2	11.2	11.1	10.3	12.0	14.6	17.0	18.3	19.8	21.4	22.9	24.0	25.1	25.0	23.4	20.7	20.3	17.9	15.4	14.2	12.4	12.5	16.9	25.1	10.3
19	12.3	9.8	8.4	7.5	5.8	6.3	6.6	7.3	8.1	9.4	10.8	12.3	13.4	14.5	15.6	16.4	16.5	16.1	15.7	14.1	10.7	6.4	5.5	2.6	10.5	16.5	2.6
20	1.9	0.6	0.0	-0.3	-0.9	0.5	5.8	13.2	14.7	16.0	17.6	19.2	20.5	21.3	23.0	23.9	24.6	24.9	23.5	22.3	20.8	19.9	20.7	19.0	14.7	24.9	-0.9
21	18.2	16.0	13.7	10.6	9.0	8.2	10.5	14.8	19.0	19.9	20.4	21.2	21.3	21.0	20.6	19.8	18.7	17.7	16.3	14.7	12.8	11.0	8.8	6.1	15.4	21.3	6.1
22	3.0	2.2	1.1	-0.4	-1.4	-1.0	2.6	9.0	12.8	14.2	15.5	16.6	18.0	18.9	19.6	20.5	20.7	20.8	20.6	18.7	13.6	12.2	10.2	8.1	11.5	20.8	-1.4
23	7.7	8.1	6.9	6.8	5.1	4.9	8.3	14.2	18.9	21.0	22.6	23.7	25.1	25.7	26.5	27.0	25.9	25.1	23.7	22.1	19.8	18.2	17.9	16.2	17.6	27.0	4.9
24	14.3	11.2	8.3	7.6	7.9	7.6	10.1	12.6	15.1	17.5	18.0	18.6	20.1	16.9	14.1	12.4	12.4	11.6	10.8	9.6	8.3	6.9	6.4	6.2	11.9	20.1	6.2
25	5.7	6.0	6.4	6.7	7.0	6.8	6.7	7.6	8.9	10.1	10.9	12.1	13.0	14.0	15.1	15.6	16.2	16.4	15.8	14.5	12.0	9.0	5.5	4.0	10.3	16.4	4.0
26	2.3	1.6	1.0	0.9	-0.4	-0.2	2.7	8.7	13.3	14.6	15.5	16.6	17.7	18.5	18.7	19.2	19.5	19.4	18.8	17.2	14.4	12.8	8.8	7.1	11.2	19.5	-0.4
27	5.6	4.7	3.7	3.1	3.8	3.8	7.2	13.6	16.1	17.3	18.6	19.9	21.0	22.0	22.6	23.3	23.7	23.9	23.9	21.5	18.6	17.2	18.2	17.9	15.5	23.9	3.1
28	17.0	15.7	15.4	15.6	15.3	13.4	14.6	17.1	18.6	20.6	22.5	23.1	23.8	24.8	25.3	25.6	25.4	25.5	25.3	23.1	20.5	18.5	14.7	13.6	19.8	25.6	13.4
29	13.7	14.7	12.6	12.8	11.0	11.2	12.6	15.3	18.4	20.8	21.3	22.5	23.6	24.1	24.6	23.6	22.9	22.5	20.7	19.1	17.6	15.7	15.7	17.0	18.1	24.6	11.0
30	16.4	15.2	13.4	10.4	10.5	13.1	14.6	17.3	19.1	20.3	21.2	22.3	22.8	23.0	23.9	24.3	22.9	22.3	20.5	19.1	17.9	16.3	15.4	14.8	18.2	24.3	10.4
Avg	8.3	7.5	6.6	6.0	5.3	5.5	7.9	11.5	14.5	16.1	17.1	17.8	18.4	18.8	19.1	19.3	18.9	18.4	17.7	16.1	14.0	12.3	11.0	9.8	13.2	20.5	4.3
Max	18.2	16.0	15.4	15.6	15.3	13.4	14.6	17.3	19.8	21.5	22.6	23.7	25.1	26.0	26.5	27.0	25.9	25.5	25.3	23.1	20.8	19.9	20.7	19.0	19.8	27.0	13.4
Min	-0.5	-1.2	-1.8	-1.9	-1.9	-2.2	0.2	3.9	4.8	5.7	6.6	7.0	7.4	7.8	8.7	7.9	8.1	7.4	7.2	7.0	5.0	3.3	1.7	0.3	6.1	11.1	-2.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
April 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-1.6	-1.6	-1.7	-2.2	-2.0	-2.0	-2.6	-2.1	0.0	2.7	3.7	5.6	6.7	7.7	9.2	9.3	9.2	8.8	7.5	4.4	1.5	0.3	-2.0	-2.5	2.3	9.3	-2.6
2	-3.0	-3.9	-4.3	-4.6	-5.4	-5.7	-5.9	-2.8	2.4	8.5	9.9	10.8	11.7	13.0	13.9	14.1	14.0	12.9	11.3	9.9	8.5	8.7	9.3	9.0	5.5	14.1	-5.9
3	9.1	8.5	7.5	5.6	3.4	0.8	0.1	2.9	7.6	9.1	10.5	11.5	11.9	12.5	12.1	12.7	12.8	11.9	10.3	4.7	3.4	2.0	-0.4	-2.3	7.0	12.8	-2.3
4	-3.1	-3.3	-3.6	-3.5	-3.9	-4.2	-3.8	0.1	6.3	11.1	13.1	13.6	15.6	16.5	9.6	6.2	5.8	5.1	2.1	-0.1	-0.4	-0.9	-1.4	-1.5	3.1	16.5	-4.2
5	-1.7	-2.0	-1.6	-1.6	-1.9	-2.3	-2.7	-2.7	-2.3	-1.8	-0.7	0.1	1.0	1.8	2.6	2.8	2.7	2.4	1.6	0.7	0.2	-0.3	-0.5	-0.5	-0.3	2.8	-2.7
6	-0.6	-0.6	-0.7	-0.6	-2.1	-3.3	-2.8	1.6	3.4	4.0	4.7	4.9	5.9	7.0	8.0	8.8	9.3	8.8	8.5	7.1	5.5	3.0	2.4	1.4	3.5	9.3	-3.3
7	0.6	0.0	-0.2	-0.6	-1.5	-3.1	-2.9	0.0	4.5	7.9	8.3	9.6	10.3	11.7	12.7	13.3	13.3	13.1	11.2	5.4	3.6	2.0	-0.3	-1.3	4.9	13.3	-3.1
8	-3.0	-3.4	-4.1	-4.6	-4.9	-5.2	-4.7	-0.4	4.2	11.0	13.8	15.8	16.9	17.8	18.3	18.7	19.1	18.5	15.6	8.7	5.7	4.1	2.5	-0.2	6.7	19.1	-5.2
9	-2.1	-1.9	-1.8	-2.7	-2.6	-2.8	-1.4	5.1	12.5	12.8	12.1	11.7	12.3	13.8	14.3	14.5	14.1	12.1	9.6	6.8	5.3	4.5	3.4	1.7	6.3	14.5	-2.8
10	-0.6	-1.5	-0.6	2.0	2.2	1.4	0.6	0.6	1.2	2.9	4.5	6.1	7.1	8.1	8.7	8.7	8.3	8.1	6.2	3.3	1.8	0.5	-1.7	-0.7	3.2	8.7	-1.7
11	-0.8	-1.5	-2.6	-3.8	-6.2	-6.5	-5.4	-1.3	3.4	7.1	9.8	11.3	12.7	13.9	14.7	15.1	15.2	14.7	13.2	9.1	4.5	2.2	0.7	-1.0	4.9	15.2	-6.5
12	-1.7	-2.5	-3.4	-3.6	-4.2	-4.3	-3.3	1.3	6.2	12.4	13.9	15.5	16.7	17.0	16.3	15.5	12.5	11.0	10.4	7.5	6.4	6.6	6.6	5.1	6.6	17.0	-4.3
13	4.8	4.2	3.9	4.5	5.1	4.5	4.5	4.0	2.4	1.1	2.8	3.6	4.8	6.9	8.1	8.3	7.5	6.6	6.0	2.2	0.4	-0.4	-1.7	-0.8	3.9	8.3	-1.7
14	-0.6	0.3	0.3	0.4	1.3	2.8	4.0	5.3	5.7	6.5	5.1	4.0	3.7	4.3	4.7	3.7	2.6	2.1	1.7	0.3	-0.2	-0.6	-0.8	-1.1	2.3	6.5	-1.1
15	-1.3	-1.4	-1.6	-1.9	-2.0	-2.1	-2.4	-2.3	-2.1	-1.9	-1.7	-1.3	-1.5	-1.2	-0.8	-0.6	-0.5	-0.6	-0.8	-1.3	-2.2	-2.8	-4.2	-6.5	-1.9	-0.5	-6.5
16	-7.3	-6.4	-7.5	-9.5	-10.8	-12.0	-11.7	-9.0	-5.7	-2.7	0.3	2.0	3.5	4.2	5.2	5.6	5.8	5.6	4.2	0.9	-1.1	-2.1	-4.2	-5.2	-2.4	5.8	-12.0
17	-5.7	-5.8	-6.3	-6.2	-7.0	-7.3	-6.8	-3.5	0.5	4.7	6.8	8.0	9.0	9.7	10.9	11.3	11.2	10.6	8.8	5.3	2.9	-0.2	-2.9	-4.3	1.8	11.3	-7.3
18	-5.0	-5.4	-6.2	-6.9	-7.3	-7.3	-6.3	-2.8	-0.6	3.3	7.0	8.3	8.9	9.8	10.9	11.3	11.3	10.5	9.5	6.4	4.3	2.6	1.6	1.9	2.5	11.3	-7.3
19	2.1	1.7	-0.7	-2.4	-3.7	-3.7	-1.9	2.5	7.5	11.1	13.3	13.9	14.6	15.7	16.6	17.1	17.5	15.8	12.9	9.4	7.4	5.1	1.9	1.4	7.3	17.5	-3.7
20	0.4	-0.3	-1.6	-3.1	-3.9	-4.5	-2.9	2.5	7.9	13.3	16.2	17.3	18.4	18.9	19.3	19.1	18.6	16.9	15.0	11.7	10.1	7.4	4.5	2.9	8.5	19.3	-4.5
21	2.4	3.5	2.8	1.8	0.8	0.8	2.4	7.6	13.1	14.6	16.1	17.9	19.0	19.7	20.4	20.8	20.6	20.1	18.3	14.4	13.1	12.1	9.2	5.9	11.6	20.8	0.8
22	4.5	3.3	3.0	2.3	2.1	2.2	2.9	6.4	11.0	17.3	19.4	19.5	20.0	21.0	21.3	21.2	20.4	19.1	16.8	14.3	11.2	7.6	6.6	4.6	11.6	21.3	2.1
23	2.8	1.3	0.0	-0.7	-1.3	-1.0	0.8	2.6	4.6	6.2	6.7	8.3	11.4	12.0	8.5	6.6	7.1	6.3	5.5	5.1	4.2	3.9	3.6	3.5	4.5	12.0	-1.3
24	3.3	3.2	2.7	2.3	2.3	2.2	2.3	2.4	3.4	3.6	4.1	4.3	4.4	5.4	6.2	5.9	5.8	5.4	5.1	4.6	4.3	4.1	3.7	3.7	3.9	6.2	2.2
25	3.6	3.4	3.5	3.3	3.2	3.2	3.4	3.4	3.7	4.5	5.3	5.6	5.8	5.6	5.8	5.2	5.1	4.7	3.2	2.5	2.0	1.7	1.4	1.1	3.8	5.8	1.1
26	0.7	0.5	0.2	0.0	-0.2	-0.3	-0.6	-0.7	-0.2	0.8	1.4	1.5	1.8	1.9	1.6	1.7	1.6	1.4	1.1	0.5	0.2	0.1	-0.1	-0.1	0.6	1.9	-0.7
27	0.0	-0.2	-0.4	-0.5	-0.6	-0.7	-0.1	0.8	1.2	1.3	1.7	2.6	2.4	3.7	3.9	3.2	2.4	1.4	1.3	0.7	0.0	-0.2	-1.0	-1.4	0.9	3.9	-1.4
28	-1.7	-1.8	-1.9	-2.2	-2.5	-2.7	-2.5	-2.1	-1.5	-0.7	-0.1	0.0	0.5	0.5	0.6	1.3	1.5	0.4	0.5	-0.2	-0.5	-0.5	-0.7	-0.6	-0.7	1.5	-2.7
29	-1.0	-1.1	-1.3	-1.4	-1.3	-2.1	-1.3	0.3	1.2	1.6	2.1	3.4	4.8	6.1	6.6	6.4	6.0	5.1	3.8	3.1	2.5	2.6	2.7	2.5	2.1	6.6	-2.1
30	2.3	1.7	1.3	0.3	-0.3	-0.1	0.9	2.6	3.5	3.8	4.2	4.0	4.5	4.8	5.4	5.4	5.2	4.9	4.4	2.4	0.8	-0.8	-1.5	-3.3	2.4	5.4	-3.3
Avg	-0.1	-0.4	-0.9	-1.3	-1.8	-2.2	-1.7	0.7	3.5	5.9	7.1	8.0	8.8	9.7	9.9	9.8	9.5	8.8	7.5	5.0	3.5	2.4	1.2	0.4	3.9	10.6	-3.1
Max	9.1	8.5	7.5	5.6	5.1	4.5	4.5	7.6	13.1	17.3	19.4	19.5	20.0	21.0	21.3	21.2	20.6	20.1	18.3	14.4	13.1	12.1	9.3	9.0	11.6	21.3	2.2
Min	-7.3	-6.4	-7.5	-9.5	-10.8	-12.0	-11.7	-9.0	-5.7	-2.7	-1.7	-1.3	-1.5	-1.2	-0.8	-0.6	-0.5	-0.6	-0.8	-1.3	-2.2	-2.8	-4.2	-6.5	-2.4	-0.5	-12.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
May 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-4.0	-5.2	-5.8	-5.9	-6.1	-5.8	-3.5	2.5	6.3	7.6	9.0	10.2	11.2	12.2	12.8	13.3	13.1	12.5	10.7	7.8	5.0	3.2	0.9	0.0	4.3	13.3	-6.1
2	-1.3	-3.0	-3.7	-5.4	-5.7	-5.4	-2.3	2.8	8.0	11.4	13.1	14.6	16.2	17.3	18.1	18.4	18.4	18.0	16.3	12.6	8.8	6.5	3.9	1.6	7.5	18.4	-5.7
3	1.7	1.9	0.8	-0.8	-2.2	-2.6	0.1	6.0	11.9	16.0	17.9	18.9	19.5	20.2	20.7	21.0	21.0	20.8	19.4	14.6	10.1	7.1	6.5	3.6	10.6	21.0	-2.6
4	1.6	1.5	1.4	0.4	-0.3	1.0	3.2	10.9	16.6	18.4	19.8	20.6	20.5	21.2	21.3	21.0	21.5	20.3	19.1	14.8	10.4	8.8	5.3	5.3	11.9	21.5	-0.3
5	3.9	3.7	2.4	2.5	1.7	1.0	2.7	7.3	14.6	17.9	19.4	20.6	21.3	21.5	21.8	21.4	21.2	20.6	18.2	17.0	14.6	14.0	12.2	10.6	13.0	21.8	1.0
6	9.2	8.0	6.5	6.9	6.8	7.8	8.6	9.6	10.1	11.1	11.3	11.5	11.4	11.2	10.5	10.6	11.0	10.6	10.0	9.1	8.5	8.1	7.9	7.7	9.3	11.5	6.5
7	6.8	4.8	5.2	5.3	6.6	6.9	8.1	9.5	10.9	11.9	13.3	14.4	15.8	17.2	17.6	17.5	17.1	16.5	15.2	12.3	11.2	10.3	8.0	4.7	11.1	17.6	4.7
8	2.7	0.7	0.8	0.5	-0.6	-0.9	1.9	7.6	12.8	15.6	17.2	18.2	18.8	20.2	20.8	19.7	21.0	20.5	18.2	14.6	12.1	9.7	8.2	8.6	11.2	21.0	-0.9
9	8.3	5.9	5.1	4.6	3.7	3.2	3.7	4.8	4.2	3.3	2.3	1.2	0.6	0.3	1.4	1.6	1.0	0.4	0.0	0.0	0.1	0.3	0.1	0.0	2.3	8.3	0.0
10	0.0	-0.2	-0.7	-1.1	-1.7	-1.7	-2.1	-2.2	-2.3	-1.9	-1.8	-1.5	-1.1	-0.7	-0.6	-0.4	-0.4	-0.5	-0.4	-0.3	-0.3	-0.4	-0.3	-0.1	-0.9	0.0	-2.3
11	-0.2	-1.0	-2.8	-4.4	-5.7	-6.7	-7.9	-4.7	-0.5	1.7	3.2	4.3	5.7	6.9	6.2	6.9	7.0	6.9	5.6	4.3	1.5	0.1	-1.2	-3.0	0.9	7.0	-7.9
12	-3.8	-3.8	-4.1	-3.9	-3.2	-3.7	0.4	5.4	8.9	11.1	12.4	14.1	13.7	13.2	13.3	13.6	12.7	10.0	6.2	3.9	3.2	2.6	1.9	1.3	5.2	14.1	-4.1
13	0.7	0.6	0.9	0.6	0.4	0.3	0.6	1.0	1.5	2.1	2.8	3.5	3.8	4.1	4.9	5.5	5.5	4.7	4.3	3.3	3.1	3.1	2.0	1.7	2.5	5.5	0.3
14	1.8	2.1	0.7	1.3	1.6	1.4	1.5	1.7	2.1	3.5	4.7	6.1	7.3	8.4	9.2	9.4	9.3	8.6	7.2	5.7	5.1	5.0	4.9	4.6	4.7	9.4	0.7
15	3.8	2.7	2.1	1.1	2.3	3.1	3.3	3.6	3.6	4.4	5.3	6.2	5.9	6.1	6.4	3.6	3.0	3.5	3.6	3.4	2.9	2.7	2.6	2.6	3.7	6.4	1.1
16	2.6	2.5	2.4	2.5	3.2	3.5	3.9	4.2	5.9	7.3	7.8	9.1	10.6	11.4	11.4	12.4	12.6	12.5	11.4	9.6	8.5	7.7	5.6	2.8	7.1	12.6	2.4
17	2.4	3.1	1.1	0.3	-0.4	-0.3	3.7	8.4	10.6	12.1	13.1	14.2	14.7	15.3	15.2	15.3	15.2	15.0	14.5	12.0	8.4	6.7	4.8	3.3	8.7	15.3	-0.4
18	2.7	1.9	0.9	0.6	-0.1	0.1	3.1	8.3	12.9	14.5	15.6	16.3	16.1	16.7	17.8	18.7	17.9	16.8	15.0	13.4	11.1	9.0	6.5	4.1	10.0	18.7	-0.1
19	2.3	2.4	2.1	1.7	1.6	2.3	7.4	12.0	14.9	16.1	16.1	16.4	15.2	7.8	7.4	9.1	9.8	10.2	9.1	8.3	7.8	7.7	7.2	6.7	8.4	16.4	1.6
20	6.3	6.5	6.6	6.3	5.8	5.5	5.6	7.7	9.4	10.8	11.6	11.2	11.3	10.9	11.1	11.0	11.3	12.0	11.2	6.2	6.7	7.5	6.7	5.2	8.5	12.0	5.2
21	6.5	5.5	5.4	5.6	4.4	3.7	4.3	5.3	6.3	6.3	4.3	4.8	2.6	3.6	5.6	7.4	8.4	9.0	8.9	7.7	5.4	5.0	4.4	4.0	5.6	9.0	2.6
22	3.4	2.3	0.8	0.0	0.2	0.0	1.8	4.9	6.6	6.2	6.8	8.1	7.8	7.9	8.5	8.9	8.2	7.5	7.4	6.7	6.2	5.7	5.2	5.0	5.3	8.9	0.0
23	5.0	4.7	4.8	4.1	3.8	4.0	3.5	3.6	4.0	4.5	5.5	5.8	6.5	6.1	4.3	4.2	4.3	4.0	3.8	3.2	2.7	2.5	2.5	2.4	4.2	6.5	2.4
24	2.4	2.4	2.3	2.3	2.1	2.0	2.6	3.3	4.5	5.3	6.7	6.3	7.7	8.0	9.1	9.1	9.6	9.2	9.2	7.5	5.1	3.9	3.2	1.7	5.2	9.6	1.7
25	0.7	-0.8	-1.7	-1.9	-2.2	-1.9	-0.1	5.0	7.3	8.5	9.8	11.0	12.0	12.3	11.4	6.3	6.5	8.1	8.5	6.3	5.9	5.3	4.2	3.0	5.1	12.3	-2.2
26	2.6	2.2	2.1	1.9	2.0	2.4	3.5	4.9	6.3	7.1	8.7	10.8	10.1	12.2	13.0	13.0	12.7	12.3	12.6	10.5	8.7	7.6	7.3	6.4	7.5	13.0	1.9
27	5.1	4.4	3.9	3.0	3.1	2.8	4.8	8.1	8.8	7.2	8.4	10.2	11.6	9.6	10.4	9.1	7.7	7.7	7.2	7.0	6.5	6.0	5.6	3.3	6.7	11.6	2.8
28	2.0	1.6	0.9	0.7	0.0	-0.1	1.8	5.0	6.1	7.3	8.7	8.9	9.2	10.1	11.2	11.2	10.9	11.4	10.3	8.3	4.8	2.9	1.5	0.0	5.6	11.4	-0.1
29	-0.6	-2.1	-1.7	-1.4	-1.7	-1.0	1.8	6.7	11.0	12.6	13.4	14.0	14.8	15.9	16.1	15.8	15.4	15.6	14.5	12.9	11.3	10.7	10.0	8.9	8.9	16.1	-2.1
30	8.5	7.2	6.6	7.3	5.7	5.0	8.4	8.4	7.8	9.6	9.7	6.5	9.5	10.0	9.4	10.5	10.3	10.5	9.1	6.9	5.2	3.8	1.8	2.5	7.5	10.5	1.8
31	4.1	4.9	4.7	4.4	4.2	4.3	5.0	5.7	6.9	7.3	8.2	9.1	10.2	10.1	11.1	11.5	12.1	11.8	11.3	9.8	6.2	3.4	1.6	0.8	7.0	12.1	0.8
Avg	2.8	2.2	1.6	1.3	0.9	1.0	2.6	5.4	7.7	8.9	9.8	10.5	11.0	11.2	11.5	11.5	11.5	11.2	10.2	8.4	6.7	5.7	4.5	3.5	6.7	12.7	0.1
Max	9.2	8.0	6.6	7.3	6.8	7.8	8.6	12.0	16.6	18.4	19.8	20.6	21.3	21.5	21.8	21.4	21.5	20.8	19.4	17.0	14.6	14.0	12.2	10.6	13.0	21.8	6.5
Min	-4.0	-5.2	-5.8	-5.9	-6.1	-6.7	-7.9	-4.7	-2.3	-1.9	-1.8	-1.5	-1.1	-0.7	-0.6	-0.4	-0.4	-0.5	-0.4	-0.3	-0.3	-0.4	-1.2	-3.0	-0.9	0.0	-7.9

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
June 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.8	-1.0	-1.9	-2.8	-2.6	-2.1	1.5	6.5	11.2	13.6	14.8	15.4	16.1	17.1	17.5	17.5	18.2	18.2	16.8	13.7	12.4	12.3	10.0	8.2	9.6	18.2	-2.8
2	8.0	7.3	7.0	6.3	6.5	7.7	8.4	9.8	13.4	14.7	14.5	14.8	13.8	15.8	16.5	15.7	15.1	14.7	14.2	13.1	12.2	10.9	10.9	10.8	11.8	16.5	6.3
3	10.4	8.9	7.4	4.3	1.5	2.7	7.2	11.2	12.5	13.5	14.5	15.0	15.3	16.2	17.9	18.8	19.1	18.9	18.2	16.2	11.5	8.3	5.9	4.6	11.7	19.1	1.5
4	3.3	3.0	2.3	0.8	0.5	1.0	5.8	11.0	15.6	17.9	19.2	20.4	21.0	21.8	22.1	22.6	23.0	23.0	22.1	18.9	13.4	12.0	9.4	6.8	13.2	23.0	0.5
5	5.0	3.5	2.8	2.6	2.4	3.2	8.1	13.4	18.5	21.4	22.6	23.1	23.9	24.8	24.3	24.2	24.3	23.9	22.4	20.1	17.1	13.8	10.9	8.8	15.2	24.8	2.4
6	8.1	6.6	7.3	8.8	8.5	9.9	13.3	15.7	17.2	18.6	19.9	21.3	22.4	23.1	24.0	24.3	24.6	24.2	22.7	20.3	19.0	17.6	16.8	14.7	17.0	24.6	6.6
7	12.4	10.9	9.6	9.0	7.0	7.9	12.1	16.1	20.5	22.3	23.5	24.6	25.9	26.8	27.1	26.4	20.8	17.3	15.6	14.8	13.4	10.9	9.8	8.6	16.4	27.1	7.0
8	7.9	7.8	6.2	6.5	4.8	6.1	9.4	14.0	18.3	21.0	22.4	23.8	24.8	25.6	26.0	26.4	25.5	24.1	22.0	17.4	17.2	16.2	17.3	14.5	16.9	26.4	4.8
9	12.6	11.6	10.6	10.5	8.3	8.9	10.9	14.7	18.3	20.3	21.1	21.4	21.1	17.6	16.2	17.4	15.5	14.3	15.1	14.5	12.7	10.8	10.2	8.8	14.3	21.4	8.3
10	7.9	6.6	4.9	4.2	3.9	4.7	9.0	15.5	18.0	19.5	20.5	21.7	22.9	22.8	23.1	22.3	20.2	18.7	17.3	16.2	15.8	14.0	11.5	11.0	14.7	23.1	3.9
11	9.4	8.4	7.0	7.6	8.6	9.2	10.0	11.1	12.3	13.8	15.3	16.1	15.4	15.3	15.9	15.9	14.9	11.6	10.0	9.4	9.1	9.0	8.6	8.2	11.3	16.1	7.0
12	7.8	7.1	6.6	6.0	4.2	5.4	7.1	8.1	8.8	10.3	11.8	13.3	14.4	15.1	15.6	16.4	16.9	16.9	16.2	14.4	9.6	7.4	6.1	5.0	10.4	16.9	4.2
13	3.0	2.1	-0.6	-0.5	-1.2	0.0	4.2	9.7	15.8	17.1	17.7	17.3	15.6	16.9	18.0	18.3	17.7	17.9	18.0	14.9	12.1	10.5	7.9	6.7	10.8	18.3	-1.2
14	4.9	6.7	6.9	5.3	3.5	2.9	8.0	12.5	14.7	17.1	18.2	19.1	15.0	10.8	10.1	8.0	8.6	8.8	9.1	7.8	5.0	4.9	3.3	2.1	8.9	19.1	2.1
15	1.0	-0.2	-0.2	1.0	1.3	2.4	3.5	4.2	5.1	6.3	7.2	7.8	8.3	8.7	9.5	10.0	10.3	11.1	11.2	9.9	9.2	7.9	8.5	7.6	6.3	11.2	-0.2
16	7.5	7.7	7.3	6.9	6.8	6.8	7.8	9.0	9.6	10.7	11.3	11.6	13.2	13.8	10.0	9.9	10.6	7.7	7.3	6.7	4.3	2.6	1.3	-0.2	7.9	13.8	-0.2
17	-0.5	-1.8	-2.2	-2.1	-2.3	-2.4	0.6	5.0	Au	Au	Au	12.9	14.3	15.0	15.9	16.3	16.5	16.6	15.5	13.4	12.6	11.9	10.4	10.6	8.4	16.6	-2.4
18	11.7	11.4	10.5	10.7	10.4	10.0	12.2	15.0	17.7	19.2	20.8	22.4	23.9	24.5	25.7	25.1	23.2	20.4	20.0	17.5	14.7	13.3	11.7	12.2	16.8	25.7	10.0
19	11.9	9.5	8.3	7.2	5.1	6.1	6.9	8.0	9.0	10.4	12.0	13.5	14.7	15.6	16.7	17.4	17.1	16.7	15.9	13.6	9.2	4.9	4.7	1.6	10.7	17.4	1.6
20	1.2	-0.7	-1.3	-1.9	-1.8	-0.3	6.1	13.6	15.6	16.9	18.6	20.0	21.2	22.0	23.7	24.6	25.1	25.1	23.4	22.2	20.1	19.4	20.6	18.0	14.6	25.1	-1.9
21	16.7	13.5	10.7	8.7	8.0	7.1	10.8	15.3	19.6	20.7	21.2	22.0	22.2	21.8	21.3	20.5	19.4	18.1	16.4	14.2	11.3	10.0	7.4	4.9	15.1	22.2	4.9
22	2.1	1.4	-0.1	-1.7	-2.5	-1.4	3.0	9.6	13.6	15.1	16.6	17.7	19.2	20.0	20.6	21.4	21.4	21.3	20.6	17.8	12.9	10.6	8.1	6.6	11.4	21.4	-2.5
23	5.5	6.0	5.3	4.7	3.6	4.0	8.7	14.6	19.5	21.7	23.4	24.6	26.2	26.5	27.3	27.7	25.5	24.4	22.4	20.9	19.3	18.0	17.6	14.9	17.2	27.7	3.6
24	12.9	10.1	6.9	6.0	7.1	7.2	10.5	12.9	15.6	18.2	18.6	19.5	21.2	17.3	14.2	12.4	12.6	11.9	11.1	9.4	7.8	6.1	5.6	5.6	11.7	21.2	5.6
25	5.3	6.0	6.3	6.6	7.0	6.8	6.8	7.7	9.4	10.9	11.8	13.6	14.3	15.4	16.3	16.7	17.1	17.0	15.9	14.1	10.7	7.8	4.8	2.7	10.5	17.1	2.7
26	0.9	0.7	-0.1	-0.3	-1.6	-0.8	3.0	9.1	14.0	15.6	16.6	17.6	19.0	19.7	19.8	20.2	20.2	20.0	19.1	17.0	13.5	11.2	7.6	5.4	11.1	20.2	-1.6
27	3.8	3.4	2.6	2.3	2.6	3.1	7.5	14.2	17.1	18.2	19.6	20.7	21.9	23.1	23.6	24.0	24.4	24.5	24.1	21.5	18.2	16.7	16.6	17.7	15.5	24.5	2.3
28	16.5	14.8	14.6	14.9	13.9	12.5	14.5	17.6	19.3	21.3	23.5	24.2	24.9	25.9	26.2	26.5	25.8	26.0	25.4	22.4	19.8	17.8	13.4	11.9	19.7	26.5	11.9
29	11.8	12.5	10.8	11.9	10.3	11.3	13.1	15.9	19.0	21.6	22.3	23.5	24.8	25.1	25.7	24.2	23.6	23.0	20.9	18.9	16.7	14.9	15.3	16.4	18.1	25.7	10.3
30	15.6	14.6	11.3	8.9	9.4	12.9	14.7	17.9	19.9	21.4	22.4	23.4	23.7	23.6	24.9	25.6	24.1	22.8	20.7	19.0	17.4	16.1	15.1	14.4	18.3	25.6	8.9
Avg	7.5	6.6	5.6	5.1	4.4	5.1	8.2	12.0	15.1	16.9	18.0	18.7	19.4	19.6	19.9	19.9	19.4	18.6	17.7	15.7	13.3	11.6	10.2	9.0	13.2	21.2	3.5
Max	16.7	14.8	14.6	14.9	13.9	12.9	14.7	17.9	20.5	22.3	23.5	24.6	26.2	26.8	27.3	27.7	25.8	26.0	25.4	22.4	20.1	19.4	20.6	18.0	19.7	27.7	11.9
Min	-0.5	-1.8	-2.2	-2.8	-2.6	-2.4	0.6	4.2	5.1	6.3	7.2	7.8	8.3	8.7	9.5	8.0	8.6	7.7	7.3	6.7	4.3	2.6	1.3	-0.2	6.3	11.2	-2.8

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
April 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-0.01	0.02	0.03	0.08	0.06	0.05	0.21	-0.14	-0.31	-0.46	-0.42	-0.57	-0.60	-0.45	-0.40	-0.07	0.23	0.49	0.99	0.71	0.52	0.16	0.70	0.67	0.06	0.99	-0.60
2	0.45	1.13	1.00	0.91	0.99	0.86	1.09	-0.30	-0.31	-0.28	-0.31	-0.17	-0.23	-0.41	-0.43	-0.23	-0.11	0.32	0.85	1.15	1.92	1.28	0.78	0.74	0.45	1.92	-0.43
3	0.54	0.67	0.76	1.15	0.80	0.77	0.64	-0.11	-0.46	-0.55	-0.83	-1.02	-0.90	-0.80	-0.43	-0.54	-0.48	0.10	0.41	0.47	0.14	0.19	0.68	1.39	0.11	1.39	-1.02
4	1.51	1.39	1.63	1.74	1.47	1.61	1.28	-0.07	-0.43	-0.52	-0.80	-0.67	-0.89	-0.91	0.11	0.01	0.01	-0.10	0.07	-0.03	0.25	0.25	0.29	0.17	0.31	1.74	-0.91
5	0.18	0.25	0.14	0.11	0.05	-0.02	-0.05	-0.07	-0.05	-0.08	-0.03	0.05	0.01	0.01	0.11	0.11	0.15	0.21	0.24	0.29	0.31	0.25	0.28	0.25	0.11	0.31	-0.08
6	0.27	0.42	0.49	0.40	1.14	1.19	0.81	0.33	0.17	0.15	0.26	0.33	0.27	0.32	0.28	0.30	0.27	0.50	0.61	0.92	1.20	1.41	0.73	0.76	0.56	1.41	0.15
7	1.41	1.47	0.45	0.54	0.59	0.92	0.25	-0.36	-0.46	-0.66	-0.52	-0.87	-0.84	-0.98	-1.01	-0.79	-0.62	-0.30	0.38	0.87	0.28	0.29	0.92	0.99	0.08	1.47	-1.01
8	1.35	1.47	1.14	1.17	1.32	1.64	0.72	-0.21	-0.35	-0.43	-0.63	-0.97	-0.95	-1.02	-0.96	-0.78	-0.77	-0.36	1.03	0.64	0.13	0.15	0.37	1.17	0.20	1.64	-1.02
9	1.38	1.48	1.11	1.27	1.04	0.91	0.68	-0.27	-0.55	-0.64	-0.66	-0.92	-1.06	-1.23	-1.26	-1.19	-0.95	-0.51	0.16	0.94	0.64	0.28	0.28	0.65	0.07	1.48	-1.26
10	1.33	1.30	1.07	0.52	0.01	-0.05	-0.12	-0.27	-0.63	-0.85	-1.01	-1.29	-1.33	-1.22	-1.29	-1.19	-0.88	-0.63	0.05	0.30	0.18	0.38	0.81	0.64	-0.17	1.33	-1.33
11	0.85	0.86	1.25	1.57	1.69	1.43	0.66	-0.27	-0.40	-0.63	-1.12	-1.16	-1.37	-1.28	-1.24	-1.18	-0.92	-0.47	0.21	1.14	0.78	0.36	0.47	0.92	0.09	1.69	-1.37
12	0.97	0.95	1.33	0.89	1.27	1.08	0.20	-0.32	-0.53	-0.81	-1.07	-1.24	-1.47	-1.23	-0.48	-0.42	0.61	0.53	0.22	0.79	0.23	0.23	0.17	0.03	0.08	1.33	-1.47
13	-0.04	-0.02	0.00	0.13	0.05	-0.01	-0.03	-0.10	-0.13	-0.18	-0.73	-0.66	-0.66	-0.91	-1.10	-1.06	-0.70	-0.25	0.12	0.85	0.40	0.15	0.24	0.07	-0.19	0.85	-1.10
14	-0.07	0.03	0.11	0.54	0.66	0.76	0.29	-0.10	-0.38	-0.56	-0.35	-0.36	-0.20	-0.31	-0.24	-0.33	-0.31	-0.35	-0.14	-0.09	-0.10	-0.09	-0.08	-0.07	-0.07	0.76	-0.56
15	-0.08	-0.07	-0.05	-0.04	-0.05	-0.06	-0.05	-0.12	-0.17	-0.17	-0.18	-0.16	-0.20	-0.25	-0.27	-0.15	-0.07	-0.05	-0.04	0.08	0.22	0.41	0.77	0.93	0.01	0.93	-0.27
16	0.56	-0.05	0.29	0.56	0.62	1.22	1.04	0.21	-0.14	-0.30	-0.40	-0.52	-0.61	-0.64	-0.69	-0.72	-0.72	-0.50	0.02	0.81	0.29	0.61	1.09	1.39	0.14	1.39	-0.72
17	1.14	0.75	0.55	0.41	0.81	0.34	-0.09	-0.35	-0.39	-0.52	-0.86	-1.03	-1.11	-1.02	-1.16	-1.07	-0.53	-0.21	0.02	0.62	0.94	1.19	1.63	1.42	0.06	1.63	-1.16
18	1.07	1.15	1.22	0.99	1.23	0.74	0.01	-0.25	-0.27	-0.46	-0.93	-0.35	-0.34	-0.41	-0.74	-0.65	-0.47	-0.21	-0.06	0.42	0.70	0.59	0.91	0.38	0.18	1.23	-0.93
19	0.28	0.25	1.08	1.06	1.02	0.92	-0.12	-0.36	-0.43	-0.62	-1.12	-0.97	-0.91	-1.00	-1.04	-0.99	-1.07	-0.52	-0.13	0.52	0.45	0.05	0.72	0.38	-0.11	1.08	-1.12
20	0.52	0.45	0.57	1.08	1.41	1.58	0.31	-0.31	-0.46	-0.90	-1.11	-1.08	-1.16	-1.05	-1.00	-0.98	-0.72	-0.33	-0.05	0.69	0.41	0.65	0.69	0.55	-0.01	1.58	-1.16
21	1.28	1.52	1.64	1.39	1.44	0.90	0.18	-0.35	-0.63	-0.77	-0.92	-1.10	-1.16	-0.94	-0.97	-0.88	-0.69	-0.44	0.12	0.67	0.60	0.74	1.16	1.26	0.17	1.64	-1.16
22	1.61	1.33	1.27	1.13	0.87	0.83	0.45	-0.18	-0.35	-0.52	-0.84	-0.77	-1.01	-1.09	-0.83	-0.72	-0.24	0.18	0.71	0.35	0.34	0.40	0.38	0.73	0.17	1.61	-1.09
23	2.10	1.73	0.81	0.67	1.19	0.78	0.26	-0.08	-0.23	-0.36	-0.48	-0.74	-0.77	-0.89	-0.13	-0.01	-0.10	-0.04	0.00	0.03	-0.05	-0.08	-0.07	-0.08	0.14	2.10	-0.89
24	-0.08	-0.06	-0.09	-0.07	-0.08	-0.10	-0.15	-0.24	-0.46	-0.28	-0.33	-0.35	-0.36	-0.45	-0.50	-0.33	-0.39	-0.21	-0.12	0.00	0.06	0.11	0.25	0.16	-0.17	0.25	-0.50
25	-0.01	-0.02	0.04	0.08	0.12	0.04	-0.02	-0.11	-0.26	-0.61	-0.79	-0.83	-0.81	-0.92	-0.77	-0.53	-0.57	-0.53	-0.19	-0.11	-0.11	-0.11	-0.10	-0.10	-0.30	0.12	-0.92
26	-0.10	-0.10	-0.09	-0.10	-0.07	-0.09	-0.15	-0.24	-0.43	-0.68	-0.62	-0.47	-0.58	-0.60	-0.38	-0.39	-0.39	-0.27	-0.18	-0.12	-0.10	-0.09	-0.08	-0.05	-0.27	-0.05	-0.68
27	0.00	-0.03	-0.05	-0.06	0.03	0.00	-0.26	-0.36	-0.42	-0.57	-0.68	-0.97	-1.03	-1.30	-0.92	-0.89	-0.71	-0.48	-0.28	-0.13	-0.11	-0.13	-0.14	-0.11	-0.40	0.03	-1.30
28	-0.03	-0.08	-0.06	-0.15	-0.14	-0.13	-0.18	-0.26	-0.27	-0.36	-0.68	-0.63	-0.66	-0.55	-0.46	-0.54	-0.49	-0.28	-0.27	-0.08	-0.02	-0.10	-0.11	-0.08	-0.28	-0.02	-0.68
29	-0.07	-0.04	-0.06	-0.10	-0.10	0.02	-0.24	-0.66	-0.82	-0.79	-0.83	-1.44	-1.59	-1.69	-1.54	-1.13	-0.88	-0.64	-0.23	-0.06	0.01	-0.02	-0.07	-0.04	-0.54	0.02	-1.69
30	-0.02	0.16	0.34	0.40	0.22	0.06	-0.19	-0.24	-0.33	-0.45	-0.52	-0.44	-0.47	-0.51	-0.65	-0.35	-0.28	-0.28	-0.20	0.54	0.59	0.73	0.35	0.88	-0.03	0.88	-0.65
Avg	0.61	0.61	0.60	0.61	0.66	0.61	0.25	-0.21	-0.36	-0.50	-0.65	-0.71	-0.77	-0.79	-0.68	-0.59	-0.43	-0.19	0.14	0.44	0.37	0.34	0.47	0.53	0.02	1.09	-0.90
Max	2.10	1.73	1.64	1.74	1.69	1.64	1.28	0.33	0.17	0.15	0.26	0.33	0.27	0.32	0.28	0.30	0.61	0.53	1.03	1.15	1.92	1.41	1.63	1.42	0.56	2.10	0.15
Min	-0.10	-0.10	-0.09	-0.15	-0.14	-0.13	-0.26	-0.66	-0.82	-0.90	-1.12	-1.44	-1.59	-1.69	-1.54	-1.19	-1.07	-0.64	-0.28	-0.13	-0.11	-0.13	-0.14	-0.11	-0.54	-0.05	-1.69

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
May 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.77	1.18	1.23	1.14	1.31	1.07	0.23	-0.50	-0.85	-1.21	-1.48	-1.52	-1.58	-1.54	-1.40	-1.26	-0.93	-0.60	-0.01	0.78	1.17	0.49	0.22	0.38	-0.12	1.31	-1.58
2	0.77	0.89	0.81	1.66	1.37	1.06	-0.16	-0.52	-0.46	-0.92	-1.12	-1.27	-1.33	-1.31	-1.29	-1.20	-0.98	-0.72	-0.02	1.01	0.56	0.29	0.88	1.43	-0.02	1.66	-1.33
3	0.75	0.66	0.58	1.05	1.25	1.08	0.03	-0.44	-0.49	-0.89	-1.24	-1.37	-1.17	-1.15	-0.97	-0.94	-0.74	-0.56	0.08	0.74	0.51	0.73	0.41	1.46	-0.03	1.46	-1.37
4	1.99	1.65	1.53	1.51	1.44	0.71	0.07	-0.32	-0.58	-0.80	-0.99	-1.09	-0.99	-1.17	-0.97	-0.57	-0.65	-0.12	0.32	1.90	0.55	0.07	1.17	0.73	0.22	1.99	-1.17
5	1.08	0.77	1.33	1.16	1.14	0.96	0.37	-0.31	-0.50	-0.57	-0.78	-1.05	-0.91	-0.74	-0.64	-0.33	-0.22	0.03	1.04	0.30	0.60	0.48	0.50	0.17	0.16	1.33	-1.05
6	0.08	0.18	0.60	0.41	0.27	0.02	-0.22	-0.29	-0.32	-0.55	-0.41	-0.43	-0.34	-0.39	-0.45	-0.42	-0.39	-0.41	-0.24	-0.13	-0.10	-0.14	-0.12	-0.02	-0.16	0.60	-0.55
7	0.33	0.17	0.23	0.35	0.17	0.08	-0.16	-0.56	-0.92	-1.22	-1.42	-1.54	-1.62	-1.58	-1.50	-1.25	-0.85	-0.45	-0.08	0.61	0.41	0.26	0.98	2.35	-0.30	2.35	-1.62
8	1.56	1.54	0.97	0.87	1.11	1.02	-0.07	-0.43	-0.62	-0.86	-1.23	-1.34	-1.14	-1.45	-1.38	-0.71	-1.23	-0.89	-0.23	0.06	0.15	0.07	0.13	0.62	-0.15	1.56	-1.45
9	0.77	0.26	0.03	-0.12	-0.15	-0.16	-0.29	-0.52	-0.57	-0.38	-0.21	-0.06	-0.06	-0.11	-0.26	-0.20	-0.18	-0.21	-0.13	-0.08	-0.05	-0.07	-0.05	-0.05	-0.12	0.77	-0.57
10	-0.02	-0.02	-0.07	-0.03	-0.08	-0.09	-0.13	-0.17	-0.23	-0.27	-0.26	-0.25	-0.22	-0.20	-0.18	-0.11	-0.13	-0.11	-0.06	-0.03	0.00	-0.02	-0.03	0.05	-0.11	0.05	-0.27
11	0.22	0.60	1.13	1.54	1.09	1.06	1.43	0.15	0.03	-0.28	-0.48	-0.63	-0.98	-1.21	-0.80	-1.12	-0.67	-0.34	0.04	0.39	0.02	-0.02	0.33	1.00	0.10	1.54	-1.21
12	1.17	1.01	1.06	0.87	0.75	1.02	0.10	-0.36	-0.54	-0.75	-0.99	-1.28	-0.83	-0.61	-0.68	-1.10	-0.80	-0.56	-0.23	-0.12	-0.13	-0.13	-0.08	-0.02	-0.13	1.17	-1.28
13	0.18	0.04	-0.04	-0.07	-0.11	-0.19	-0.24	-0.23	-0.25	-0.43	-0.43	-0.58	-0.64	-0.58	-0.55	-0.48	-0.57	-0.44	-0.24	0.03	-0.04	-0.10	0.12	0.10	-0.24	0.18	-0.64
14	-0.01	-0.07	0.11	0.03	-0.05	-0.12	-0.18	-0.27	-0.45	-0.98	-1.28	-1.74	-1.81	-1.77	-1.56	-1.31	-1.04	-0.64	-0.18	0.05	-0.01	-0.04	-0.06	-0.06	-0.56	0.11	-1.81
15	0.08	0.23	0.35	0.58	0.21	-0.08	-0.22	-0.32	-0.47	-0.45	-0.40	-0.32	-0.28	-0.27	-0.31	-0.23	-0.24	-0.22	-0.17	-0.11	-0.12	-0.09	-0.10	-0.12	-0.13	0.58	-0.47
16	-0.09	-0.08	-0.08	-0.01	0.24	-0.05	-0.16	-0.34	-0.31	-0.34	-0.31	-0.53	-0.68	-0.79	-0.59	-0.86	-0.77	-0.48	-0.11	0.13	0.01	0.19	1.21	1.22	-0.15	1.22	-0.86
17	1.45	0.90	1.99	1.49	1.54	1.04	-0.02	-0.52	-0.57	-0.86	-0.86	-1.01	-0.82	-0.81	-0.58	-0.67	-0.58	-0.31	-0.17	0.66	0.53	0.10	0.23	0.63	0.12	1.99	-1.01
18	0.71	0.80	1.02	1.03	0.98	0.60	-0.37	-0.40	-0.65	-1.07	-1.18	-0.99	-0.62	-0.58	-0.94	-1.13	-0.75	-0.22	-0.03	0.02	0.08	0.01	0.38	0.81	-0.10	1.03	-1.18
19	1.22	0.90	0.94	0.99	0.80	0.71	-0.23	-0.24	-0.50	-0.75	-0.44	-0.54	-0.57	-0.29	-0.33	-0.38	-0.34	-0.24	-0.05	0.10	-0.05	-0.01	0.00	0.02	0.03	1.22	-0.75
20	0.03	-0.06	-0.11	0.06	0.02	-0.03	-0.18	-0.49	-0.37	-0.52	-0.36	-0.27	-0.43	-0.32	-0.32	-0.28	-0.26	-0.19	-0.02	-0.12	-0.05	-0.05	-0.10	-0.13	-0.19	0.06	-0.52
21	0.12	-0.02	-0.06	-0.05	-0.05	-0.22	-0.25	-0.28	-0.39	-0.52	-0.36	-0.16	-0.08	-0.33	-0.43	-0.46	-0.42	-0.34	-0.19	0.23	0.09	0.01	0.05	-0.03	-0.17	0.23	-0.52
22	0.02	0.05	0.15	0.18	0.46	0.34	0.08	-0.12	-0.52	-0.17	-0.25	-0.43	-0.55	-0.60	-0.46	-0.20	-0.22	-0.11	0.04	0.12	0.13	0.10	0.13	0.08	-0.07	0.46	-0.60
23	0.12	0.15	0.11	0.02	0.03	-0.01	-0.12	-0.18	-0.28	-0.29	-0.68	-0.58	-0.90	-0.69	-0.17	-0.28	-0.14	-0.15	-0.10	-0.06	-0.03	-0.02	-0.01	-0.02	-0.18	0.15	-0.90
24	-0.09	-0.06	-0.13	-0.10	-0.13	-0.18	-0.25	-0.35	-0.46	-0.63	-0.79	-0.59	-0.99	-0.72	-0.67	-0.63	-0.83	-0.61	-0.47	0.08	0.33	0.20	0.03	0.00	-0.34	0.33	-0.99
25	0.18	0.46	0.75	0.37	0.72	0.42	-0.20	-0.48	-0.67	-0.85	-0.98	-1.05	-1.07	-0.89	-0.28	-0.13	-0.27	-0.31	-0.40	0.34	0.04	0.11	0.48	0.23	-0.14	0.75	-1.07
26	0.10	0.05	-0.10	-0.04	-0.07	-0.08	-0.20	-0.28	-0.17	-0.28	-0.49	-0.86	-0.43	-0.92	-0.78	-0.96	-0.86	-0.38	-0.32	-0.05	0.16	0.19	0.11	0.08	-0.27	0.19	-0.96
27	0.07	0.06	0.00	0.08	-0.08	-0.04	-0.34	-0.33	-0.33	-0.15	-0.55	-0.57	-0.72	-0.12	-0.59	-0.21	-0.19	-0.17	-0.07	-0.02	-0.01	-0.03	0.06	0.37	-0.16	0.37	-0.72
28	0.26	0.02	0.12	0.09	0.22	0.08	-0.35	-0.46	-0.72	-0.92	-1.15	-1.03	-0.79	-0.93	-1.11	-0.92	-0.49	-0.64	0.02	0.66	0.55	0.35	0.13	0.34	-0.28	0.66	-1.15
29	0.33	0.94	0.39	0.43	0.26	0.35	-0.35	-0.41	-0.60	-0.92	-1.05	-1.05	-0.94	-1.10	-0.85	-0.67	-0.31	-0.30	0.18	0.47	0.42	0.61	0.53	0.48	-0.13	0.94	-1.10
30	0.18	0.22	0.76	0.60	0.85	0.59	-0.06	-0.02	-0.25	-0.79	-0.93	-0.58	-1.15	-0.94	-0.99	-0.82	-0.65	-0.69	-0.32	0.02	0.60	0.80	1.02	1.38	-0.05	1.38	-1.15
31	0.56	0.26	0.24	0.30	0.13	-0.12	-0.40	-0.59	-0.86	-0.78	-1.09	-1.15	-1.44	-1.01	-1.19	-1.05	-1.05	-0.67	-0.35	0.25	0.60	0.57	0.50	0.55	-0.32	0.60	-1.44
Avg	0.48	0.44	0.51	0.53	0.50	0.35	-0.09	-0.34	-0.48	-0.66	-0.78	-0.83	-0.84	-0.81	-0.75	-0.67	-0.57	-0.39	-0.08	0.27	0.22	0.16	0.29	0.45	-0.13	0.91	-1.01
Max	1.99	1.65	1.99	1.66	1.54	1.08	1.43	0.15	0.03	-0.15	-0.21	-0.06	-0.06	-0.11	-0.17	-0.11	-0.13	0.03	1.04	1.90	1.17	0.80	1.21	2.35	0.22	2.35	-0.27
Min	-0.09	-0.08	-0.13	-0.12	-0.15	-0.22	-0.40	-0.59	-0.92	-1.22	-1.48	-1.74	-1.81	-1.77	-1.56	-1.31	-1.23	-0.89	-0.47	-0.13	-0.13	-0.14	-0.12	-0.13	-0.56	0.05	-1.81

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
June 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.07	0.77	0.73	0.91	0.77	0.63	-0.32	-0.48	-0.58	-0.90	-0.92	-0.99	-0.89	-0.91	-0.69	-0.48	-0.68	-0.38	0.61	1.43	0.57	0.55	0.46	0.42	-0.01	1.43	-0.99
2	0.22	0.21	0.20	0.45	0.35	0.37	0.08	-0.07	-0.52	-0.41	-0.24	-0.56	-0.40	-0.67	-0.73	-0.27	-0.05	-0.02	0.05	0.20	0.27	0.79	0.46	0.35	0.00	0.79	-0.73
3	0.33	0.65	0.92	1.61	0.69	-0.07	-0.51	-0.68	-0.78	-1.00	-0.91	-0.98	-0.79	-0.87	-1.10	-1.05	-0.93	-0.61	-0.21	0.47	2.00	1.06	1.28	1.12	-0.02	2.00	-1.10
4	0.99	0.90	1.22	1.25	1.18	0.16	-0.37	-0.46	-0.53	-0.76	-0.87	-1.07	-0.98	-1.03	-0.95	-0.76	-0.57	-0.48	0.05	1.07	1.41	0.39	0.98	1.60	0.10	1.60	-1.07
5	1.79	1.67	1.48	1.38	1.27	0.99	-0.20	-0.48	-0.49	-0.55	-0.74	-0.91	-0.94	-1.07	-0.71	-0.68	-0.63	-0.47	0.01	0.45	1.41	1.55	1.45	1.20	0.28	1.79	-1.07
6	0.99	1.58	1.64	1.82	2.15	0.88	-0.24	-0.50	-0.87	-1.12	-1.29	-1.20	-1.26	-1.01	-0.89	-0.64	-0.66	-0.36	0.14	0.42	0.31	0.76	0.54	1.67	0.12	2.15	-1.29
7	2.30	0.67	0.50	0.31	1.02	0.36	-0.33	-0.50	-0.66	-0.72	-0.88	-0.90	-0.83	-0.86	-0.80	-0.39	0.03	0.05	0.44	-0.03	0.34	1.06	0.99	0.92	0.09	2.30	-0.90
8	0.55	0.70	1.06	0.74	1.43	0.34	-0.33	-0.42	-0.58	-0.64	-0.74	-0.75	-0.71	-0.83	-0.67	-0.55	0.03	0.18	0.56	0.80	0.67	0.93	0.91	0.52	0.13	1.43	-0.83
9	0.45	0.32	0.83	0.65	1.38	0.64	-0.30	-0.52	-0.53	-0.69	-0.81	-0.67	-0.43	-0.02	-0.35	-0.55	0.24	-0.09	-0.08	-0.02	0.16	0.15	0.24	0.38	0.02	1.38	-0.81
10	0.39	0.57	0.60	0.97	1.15	0.36	-0.38	-0.26	-0.52	-0.72	-0.86	-0.87	-0.71	-0.43	-0.26	0.03	0.21	-0.04	0.24	0.40	0.57	0.54	0.61	0.30	0.08	1.15	-0.87
11	0.64	0.55	0.94	0.58	-0.09	-0.20	-0.21	-0.29	-0.42	-0.57	-0.91	-0.97	-0.61	-0.61	-0.75	-0.63	-0.21	0.06	-0.02	-0.13	-0.13	-0.08	-0.04	-0.05	-0.17	0.94	-0.97
12	0.08	0.39	0.09	0.30	0.09	-0.22	-0.27	-0.62	-0.84	-0.92	-1.04	-1.14	-1.14	-0.99	-0.99	-0.92	-0.78	-0.62	-0.27	0.36	0.59	0.06	0.05	0.24	-0.35	0.59	-1.14
13	0.58	0.43	1.45	1.03	1.52	0.68	-0.33	-0.48	-0.58	-0.71	-0.88	-0.78	-1.05	-1.34	-0.94	-0.64	-0.24	-0.23	-0.20	1.34	0.86	0.19	0.55	0.48	0.03	1.52	-1.34
14	1.36	1.62	1.49	1.11	1.17	1.21	-0.34	-0.18	-0.29	-0.78	-0.83	-0.90	-0.01	-0.02	-0.16	-0.07	-0.55	-0.22	-0.29	0.20	1.18	1.04	0.62	0.01	0.27	1.62	-0.90
15	0.17	0.41	0.24	-0.15	-0.12	-0.15	-0.22	-0.26	-0.31	-0.51	-0.68	-0.78	-0.85	-0.88	-0.76	-0.43	-0.27	-0.24	-0.11	0.14	0.06	-0.05	-0.01	0.01	-0.24	0.41	-0.88
16	-0.04	0.00	-0.07	-0.03	0.02	-0.01	-0.12	-0.39	-0.66	-0.98	-0.98	-0.75	-0.89	-0.57	-0.28	-0.49	-1.05	-0.38	-0.15	0.23	0.69	0.69	0.37	0.55	-0.22	0.69	-1.05
17	0.09	0.53	0.36	0.31	0.47	0.19	-0.38	-0.45	Au	Au	Au	-0.59	-0.60	-0.45	-0.49	-0.37	-0.30	-0.32	0.38	0.45	0.33	0.30	0.64	1.28	0.07	1.28	-0.60
18	0.44	0.28	0.66	0.50	0.77	0.31	-0.27	-0.47	-0.66	-0.87	-0.99	-0.98	-0.92	-0.44	-0.62	-0.11	0.19	0.26	0.29	0.44	0.75	0.87	0.65	0.38	0.02	0.87	-0.99
19	0.42	0.30	0.15	0.25	0.76	0.17	-0.33	-0.68	-0.87	-1.06	-1.16	-1.18	-1.23	-1.15	-1.11	-0.99	-0.63	-0.57	-0.19	0.54	1.46	1.51	0.81	1.09	-0.15	1.51	-1.23
20	0.66	1.31	1.35	1.61	0.98	0.82	-0.28	-0.46	-0.84	-0.97	-1.01	-0.84	-0.69	-0.70	-0.72	-0.73	-0.54	-0.22	0.05	0.09	0.70	0.51	0.09	0.94	0.05	1.61	-1.01
21	1.57	2.52	2.95	1.81	1.02	1.13	-0.27	-0.52	-0.57	-0.76	-0.87	-0.77	-0.90	-0.89	-0.78	-0.74	-0.66	-0.43	-0.17	0.45	1.51	0.97	1.45	1.11	0.34	2.95	-0.90
22	0.96	0.80	1.26	1.39	1.18	0.38	-0.43	-0.58	-0.80	-0.92	-1.02	-1.12	-1.13	-1.05	-0.95	-0.86	-0.76	-0.48	-0.01	0.89	0.66	1.64	2.05	1.46	0.11	2.05	-1.13
23	2.12	2.08	1.61	2.10	1.44	0.94	-0.37	-0.45	-0.64	-0.66	-0.81	-0.86	-1.10	-0.83	-0.86	-0.72	0.39	0.74	1.25	1.17	0.50	0.19	0.29	1.28	0.37	2.12	-1.10
24	1.35	1.07	1.42	1.52	0.82	0.37	-0.31	-0.38	-0.49	-0.65	-0.62	-0.84	-1.13	-0.41	-0.07	0.04	-0.18	-0.31	-0.22	0.20	0.51	0.78	0.72	0.56	0.16	1.52	-1.13
25	0.37	0.07	0.09	0.08	0.02	0.05	-0.06	-0.09	-0.49	-0.77	-0.86	-1.46	-1.30	-1.37	-1.28	-1.09	-0.94	-0.62	-0.13	0.41	1.24	1.20	0.66	1.34	-0.21	1.34	-1.46
26	1.42	0.93	1.12	1.22	1.22	0.62	-0.25	-0.44	-0.74	-0.99	-1.10	-1.01	-1.21	-1.26	-1.04	-1.00	-0.73	-0.58	-0.28	0.21	0.82	1.54	1.20	1.68	0.06	1.68	-1.26
27	1.80	1.26	1.11	0.85	1.23	0.69	-0.31	-0.56	-0.98	-0.94	-1.04	-0.82	-0.93	-1.08	-1.01	-0.79	-0.67	-0.56	-0.26	0.05	0.44	0.56	1.55	0.26	-0.01	1.80	-1.08
28	0.52	0.89	0.85	0.72	1.40	0.93	0.14	-0.45	-0.68	-0.68	-0.93	-1.13	-1.08	-1.08	-0.97	-0.95	-0.42	-0.51	-0.15	0.71	0.72	0.67	1.37	1.64	0.06	1.64	-1.13
29	1.91	2.21	1.85	0.88	0.70	-0.11	-0.41	-0.65	-0.54	-0.82	-1.03	-1.02	-1.20	-1.02	-1.06	-0.68	-0.69	-0.52	-0.20	0.21	0.83	0.81	0.43	0.63	0.02	2.21	-1.20
30	0.86	0.58	2.05	1.42	1.02	0.19	-0.19	-0.57	-0.82	-1.11	-1.18	-1.04	-0.90	-0.59	-1.06	-1.28	-1.16	-0.47	-0.18	0.09	0.54	0.20	0.27	0.37	-0.12	2.05	-1.28
Avg	0.85	0.88	1.01	0.92	0.90	0.42	-0.27	-0.44	-0.63	-0.80	-0.90	-0.93	-0.89	-0.81	-0.77	-0.63	-0.44	-0.28	0.03	0.44	0.73	0.71	0.72	0.79	0.03	1.55	-1.05
Max	2.30	2.52	2.95	2.10	2.15	1.21	0.14	-0.07	-0.29	-0.41	-0.24	-0.56	-0.01	-0.02	-0.07	0.04	0.39	0.74	1.25	1.43	2.00	1.64	2.05	1.68	0.37	2.95	-0.60
Min	-0.04	0.00	-0.07	-0.15	-0.12	-0.22	-0.51	-0.68	-0.98	-1.12	-1.29	-1.46	-1.30	-1.37	-1.28	-1.28	-1.16	-0.62	-0.29	-0.13	-0.13	-0.08	-0.04	-0.05	-0.35	0.41	-1.46

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
April 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	28	122	346	436	468	718	668	643	705	392	219	77	25	0	0	0	0	0	202	718	0
2	0	0	0	0	0	1	60	256	432	595	729	810	830	795	702	558	401	178	43	0	0	0	0	0	266	830	0
3	0	0	0	0	0	1	61	240	426	511	725	847	685	684	367	426	352	147	43	0	0	0	0	0	230	847	0
4	0	0	0	0	0	1	56	238	441	498	603	522	687	687	51	51	37	47	4	0	0	0	0	0	163	687	0
5	0	0	0	0	0	0	13	63	137	364	687	784	699	406	362	345	272	131	34	0	0	0	0	0	179	784	0
6	0	0	0	0	0	1	53	84	176	331	407	288	367	452	528	335	333	102	16	0	0	0	0	0	145	528	0
7	0	0	0	0	0	1	86	268	450	595	421	758	665	788	708	567	408	234	55	1	0	0	0	0	250	788	0
8	0	0	0	0	0	2	107	267	466	639	767	850	862	820	711	570	436	256	61	1	0	0	0	0	284	862	0
9	0	0	0	0	0	0	35	371	410	404	370	490	695	811	732	599	421	235	61	1	0	0	0	0	235	811	0
10	0	0	0	0	0	1	30	96	425	641	777	846	869	832	738	601	373	236	57	1	0	0	0	0	272	869	0
11	0	0	0	0	0	3	100	283	466	638	759	836	856	818	731	600	430	242	69	1	0	0	0	0	285	856	0
12	0	0	0	0	0	5	102	192	433	590	719	852	870	700	311	204	71	48	36	1	0	0	0	0	214	870	0
13	0	0	0	0	0	0	12	34	47	124	379	318	354	634	725	639	295	138	73	2	0	0	0	0	157	725	0
14	0	0	0	0	0	2	51	139	240	284	113	95	96	163	90	105	75	73	20	1	0	0	0	0	64	284	0
15	0	0	0	0	0	3	48	182	224	236	382	439	440	522	459	305	230	87	56	5	0	0	0	0	151	522	0
16	0	0	0	0	0	5	136	323	515	687	810	885	901	854	764	628	458	272	91	3	0	0	0	0	306	901	0
17	0	0	0	0	0	6	153	339	526	687	810	881	898	858	768	629	464	283	95	3	0	0	0	0	308	898	0
18	0	0	0	0	0	8	181	183	206	356	673	397	322	418	537	434	266	110	71	3	0	0	0	0	174	673	0
19	0	0	0	0	0	9	142	324	509	673	844	825	874	838	752	521	521	264	108	4	0	0	0	0	300	874	0
20	0	0	0	0	0	12	171	350	527	687	810	871	898	837	775	625	453	200	91	4	0	0	0	0	305	898	0
21	0	0	0	0	0	14	163	340	526	684	742	827	862	788	673	577	453	297	105	3	0	0	0	0	294	862	0
22	0	0	0	0	0	10	91	206	370	487	594	537	685	840	615	480	276	131	55	3	0	0	0	0	224	840	0
23	0	0	0	0	0	6	32	42	91	128	141	353	403	512	38	62	88	49	26	2	0	0	0	0	82	512	0
24	0	0	0	0	0	4	16	47	151	72	97	112	126	170	214	115	127	47	26	2	0	0	0	0	55	214	0
25	0	0	0	0	0	3	21	40	94	257	336	407	397	438	319	219	254	207	26	2	0	0	0	0	126	438	0
26	0	0	0	0	0	3	17	50	116	258	211	153	264	232	115	125	91	49	15	3	0	0	0	0	71	264	0
27	0	0	0	0	0	11	68	128	159	236	316	477	486	580	417	437	258	127	53	3	0	0	0	0	157	580	0
28	0	0	0	0	0	4	39	107	238	253	303	282	309	267	230	269	217	68	80	9	0	0	0	0	111	309	0
29	0	0	0	0	0	39	119	341	365	341	403	758	870	899	806	492	356	246	66	15	0	0	0	0	255	899	0
30	0	0	0	0	0	17	77	107	131	207	178	151	188	216	340	177	87	77	60	15	0	0	0	0	85	340	0
Avg	0	0	0	0	0	6	76	192	321	430	519	579	604	617	509	403	291	155	54	3	0	0	0	0	198	683	0
Max	0	0	0	0	0	39	181	371	527	687	844	885	901	899	806	639	521	297	108	15	0	0	0	0	308	901	0
Min	0	0	0	0	0	0	12	34	47	72	97	95	96	163	38	51	37	47	4	0	0	0	0	0	55	214	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
May 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	27	197	388	572	728	848	919	936	892	804	663	490	312	136	13	0	0	0	0	330	936	0
2	0	0	0	0	0	55	214	391	572	720	802	917	931	876	797	649	499	321	142	16	0	0	0	0	329	931	0
3	0	0	0	0	0	46	206	389	571	726	846	920	940	894	792	671	511	330	146	14	0	0	0	0	333	940	0
4	0	0	0	0	0	45	212	395	579	735	846	912	773	912	706	470	469	226	132	16	0	0	0	0	310	912	0
5	0	0	0	0	0	26	103	277	508	644	728	828	848	544	524	312	273	207	90	12	0	0	0	0	247	848	0
6	0	0	0	0	0	24	173	156	163	240	210	279	201	255	254	216	259	249	73	3	0	0	0	0	115	279	0
7	0	0	0	0	0	18	169	380	559	705	821	892	916	880	795	660	497	317	145	18	0	0	0	0	324	916	0
8	0	0	0	0	1	55	209	392	575	729	846	895	854	895	862	382	631	417	134	7	0	0	0	0	329	895	0
9	0	0	0	0	0	6	105	255	257	171	83	56	59	134	248	117	62	63	31	3	0	0	0	0	69	257	0
10	0	0	0	0	0	15	54	97	158	246	287	347	351	390	326	307	235	135	61	11	0	0	0	0	126	390	0
11	0	0	0	0	0	22	174	467	549	762	886	950	1041	855	436	640	285	130	80	23	0	0	0	0	304	1041	0
12	0	0	0	0	1	55	242	416	592	746	890	956	451	407	474	636	402	275	97	21	0	0	0	0	278	956	0
13	0	0	0	0	0	14	44	71	119	218	265	286	305	296	405	291	192	123	73	18	0	0	0	0	113	405	0
14	0	0	0	0	0	16	49	86	177	467	671	951	958	922	811	690	533	347	153	28	0	0	0	0	286	958	0
15	0	0	0	0	0	19	73	85	131	117	129	196	124	124	129	96	99	82	33	7	0	0	0	0	60	196	0
16	0	0	0	0	0	29	63	139	276	304	344	551	622	582	429	580	511	391	180	36	1	0	0	0	210	622	0
17	0	0	0	0	2	82	246	428	604	757	896	972	848	665	431	321	295	189	125	18	0	0	0	0	287	972	0
18	0	0	0	0	2	63	243	421	585	716	804	760	414	399	591	712	432	175	79	37	0	0	0	0	268	804	0
19	0	0	0	0	3	76	230	271	463	505	305	391	370	52	294	269	234	154	25	14	0	0	0	0	152	505	0
20	0	0	0	0	0	24	98	382	426	544	227	193	351	276	274	198	190	108	30	0	0	0	0	0	138	544	0
21	0	0	0	0	0	20	47	74	198	208	84	21	44	212	348	321	244	220	148	33	0	0	0	0	93	348	0
22	0	0	0	0	2	50	162	239	451	184	256	401	527	454	367	219	181	135	67	13	0	0	0	0	155	527	0
23	0	0	0	0	0	20	44	67	126	189	453	385	555	424	119	149	92	93	38	9	0	0	0	0	115	555	0
24	0	0	0	0	2	33	113	166	341	429	677	515	641	557	502	400	465	270	195	43	1	0	0	0	223	677	0
25	0	0	0	0	3	20	191	361	401	492	775	721	758	549	239	109	139	246	190	9	0	0	0	0	217	775	0
26	0	0	0	0	1	50	30	115	78	168	373	653	445	845	525	697	555	224	233	26	0	0	0	0	209	845	0
27	0	0	0	0	3	81	271	295	201	105	728	686	515	302	696	129	143	83	27	5	0	0	0	0	178	728	0
28	0	0	0	0	3	105	265	444	526	738	850	644	504	683	766	625	289	342	106	39	1	0	0	0	289	850	0
29	0	0	0	0	5	94	267	450	622	765	859	817	791	908	651	491	261	254	63	54	0	0	0	0	306	908	0
30	0	0	0	0	7	100	213	133	240	662	735	564	881	615	701	509	418	392	219	58	1	0	0	0	269	881	0
31	0	0	0	0	6	90	219	371	588	552	695	859	872	637	763	681	594	340	198	61	1	0	0	0	314	872	0
Avg	0	0	0	0	1	45	159	277	394	493	588	627	607	562	518	426	338	231	111	21	0	0	0	0	225	718	0
Max	0	0	0	0	7	105	271	467	622	765	896	972	1041	922	862	712	631	417	233	61	1	0	0	0	333	1041	0
Min	0	0	0	0	0	6	30	67	78	105	83	21	44	52	119	96	62	63	25	0	0	0	0	0	60	196	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
June 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	5	113	248	440	626	774	733	760	728	722	555	418	512	326	101	23	1	0	0	0	295	774	0
2	0	0	0	0	1	23	27	129	501	339	270	402	304	561	556	278	171	136	93	29	1	0	0	0	159	561	0
3	0	0	0	0	6	108	271	462	497	757	614	778	491	651	771	729	566	395	224	68	2	0	0	0	308	778	0
4	0	0	0	0	6	119	279	458	629	776	884	955	976	937	858	736	577	398	233	69	2	0	0	0	371	976	0
5	0	0	0	0	7	111	276	454	624	775	886	950	970	942	669	704	613	391	223	66	2	0	0	0	361	970	0
6	0	0	0	0	7	107	272	447	616	763	872	941	962	926	845	679	563	394	222	67	2	0	0	0	362	962	0
7	0	0	0	0	9	109	269	442	605	752	860	932	956	846	768	488	160	26	35	70	4	0	0	0	305	956	0
8	0	0	0	0	8	109	276	444	590	748	840	945	967	917	771	643	378	203	47	23	9	0	0	0	330	967	0
9	0	0	0	0	6	68	196	419	608	736	755	628	431	218	309	431	82	134	82	47	1	0	0	0	215	755	0
10	0	0	0	0	7	104	268	446	610	771	878	937	943	465	389	118	93	193	38	46	0	0	0	0	263	943	0
11	0	0	0	0	3	26	61	98	179	429	578	594	373	412	439	379	155	37	25	6	0	0	0	0	158	594	0
12	0	0	0	0	8	147	306	485	635	787	899	978	974	773	700	712	569	425	237	80	3	0	0	0	363	978	0
13	0	0	0	0	9	117	280	457	557	585	698	636	728	929	870	547	281	234	233	52	2	0	0	0	301	929	0
14	0	0	0	0	3	76	264	244	309	672	741	694	152	147	126	128	483	154	181	47	5	0	0	0	184	741	0
15	0	0	0	0	2	21	50	90	172	268	345	377	445	384	366	191	108	134	45	4	0	0	0	0	125	445	0
16	0	0	0	0	5	54	163	349	480	784	782	594	780	589	197	316	593	181	78	27	3	0	0	0	249	784	0
17	0	0	0	0	5	90	298	417	Au	Au	Au	707	615	454	547	405	287	255	78	23	1	0	0	0	199	707	0
18	0	0	0	0	4	102	269	444	608	760	871	943	967	684	869	454	244	158	145	25	2	0	0	0	315	967	0
19	0	0	0	0	7	119	294	472	641	795	907	981	999	968	889	791	519	430	252	89	3	0	0	0	382	999	0
20	0	0	0	0	8	115	286	441	652	769	894	841	829	896	854	742	585	416	247	86	5	0	0	0	361	896	0
21	0	0	0	0	7	89	246	447	615	765	878	890	974	941	867	740	584	422	251	88	4	0	0	0	367	974	0
22	0	0	0	0	8	120	284	463	636	789	901	970	990	959	874	748	585	413	234	53	3	0	0	0	376	990	0
23	0	0	0	0	6	108	272	446	616	763	876	944	982	817	864	737	247	116	128	92	2	0	0	0	334	982	0
24	0	0	0	0	5	102	177	252	439	630	418	623	923	268	156	127	288	329	257	80	5	0	0	0	212	923	0
25	0	0	0	0	3	30	61	85	422	585	673	1159	968	1016	926	718	601	413	204	83	3	0	0	0	331	1159	0
26	0	0	0	0	7	122	280	458	628	778	887	959	980	947	871	752	590	420	247	87	4	0	0	0	376	980	0
27	0	0	0	0	6	112	271	447	616	763	872	948	973	942	866	745	589	418	246	83	4	0	0	0	371	973	0
28	0	0	0	0	2	17	155	401	602	749	861	938	901	984	857	782	477	425	224	90	5	0	0	0	353	984	0
29	0	0	0	0	8	117	257	430	600	748	860	874	982	948	860	438	412	313	82	50	5	0	0	0	333	982	0
30	0	0	0	0	13	78	187	408	604	753	873	729	747	561	886	763	629	313	78	55	5	0	0	0	320	886	0
Avg	0	0	0	0	6	91	228	383	549	702	773	820	800	727	679	548	418	287	159	57	3	0	0	0	300	884	0
Max	0	0	0	0	13	147	306	485	652	795	907	1159	999	1016	926	791	629	430	257	92	9	0	0	0	382	1159	0
Min	0	0	0	0	1	17	27	85	172	268	270	377	152	147	126	118	82	26	25	4	0	0	0	0	125	445	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
April 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.44	24.44	24.43	24.43	24.44	24.44	24.44	24.46	24.48	24.49	24.49	24.48	24.48	24.48	24.46	24.46	24.46	24.46	24.46	24.46	24.47	24.47	24.46	24.46	24.46	24.49	24.43
2	24.45	24.44	24.43	24.42	24.42	24.42	24.42	24.42	24.42	24.40	24.38	24.37	24.35	24.33	24.31	24.30	24.29	24.29	24.28	24.29	24.31	24.31	24.30	24.30	24.36	24.45	24.28
3	24.28	24.31	24.31	24.32	24.34	24.35	24.36	24.38	24.39	24.39	24.39	24.39	24.39	24.38	24.38	24.37	24.38	24.37	24.38	24.38	24.40	24.40	24.40	24.40	24.37	24.40	24.28
4	24.40	24.40	24.39	24.38	24.38	24.36	24.35	24.37	24.36	24.34	24.33	24.31	24.27	24.24	24.27	24.27	24.26	24.23	24.25	24.31	24.32	24.33	24.31	24.31	24.32	24.40	24.23
5	24.30	24.27	24.26	24.24	24.24	24.25	24.27	24.30	24.34	24.37	24.40	24.42	24.44	24.46	24.46	24.47	24.48	24.48	24.48	24.48	24.49	24.49	24.49	24.49	24.39	24.49	24.24
6	24.48	24.49	24.48	24.49	24.49	24.49	24.51	24.53	24.53	24.53	24.52	24.52	24.50	24.48	24.47	24.46	24.46	24.46	24.46	24.47	24.49	24.50	24.52	24.52	24.49	24.53	24.46
7	24.53	24.54	24.55	24.54	24.54	24.54	24.55	24.57	24.57	24.57	24.58	24.57	24.56	24.55	24.53	24.52	24.51	24.51	24.51	24.51	24.52	24.52	24.52	24.52	24.54	24.58	24.51
8	24.51	24.50	24.49	24.48	24.47	24.47	24.47	24.47	24.46	24.44	24.43	24.41	24.39	24.36	24.33	24.31	24.28	24.26	24.24	24.22	24.22	24.21	24.19	24.17	24.37	24.51	24.17
9	24.15	24.13	24.12	24.11	24.11	24.09	24.10	24.09	24.10	24.11	24.11	24.11	24.11	24.10	24.09	24.08	24.07	24.08	24.08	24.09	24.12	24.14	24.15	24.17	24.11	24.17	24.07
10	24.18	24.19	24.21	24.23	24.26	24.27	24.29	24.30	24.32	24.32	24.31	24.30	24.29	24.29	24.28	24.27	24.28	24.29	24.29	24.29	24.31	24.32	24.31	24.32	24.28	24.32	24.18
11	24.33	24.32	24.32	24.31	24.32	24.32	24.32	24.33	24.33	24.32	24.32	24.31	24.31	24.30	24.29	24.28	24.28	24.28	24.28	24.28	24.30	24.30	24.30	24.30	24.31	24.33	24.28
12	24.31	24.31	24.31	24.32	24.32	24.32	24.34	24.36	24.36	24.35	24.35	24.34	24.33	24.32	24.31	24.30	24.30	24.32	24.30	24.29	24.31	24.31	24.30	24.29	24.32	24.36	24.29
13	24.28	24.26	24.25	24.25	24.25	24.25	24.24	24.24	24.26	24.29	24.29	24.30	24.30	24.29	24.28	24.27	24.27	24.26	24.24	24.23	24.24	24.23	24.22	24.20	24.26	24.30	24.20
14	24.19	24.18	24.16	24.15	24.12	24.11	24.09	24.07	24.05	24.04	24.05	24.03	24.02	24.02	24.02	24.00	24.02	24.03	24.03	24.05	24.06	24.07	24.07	24.07	24.07	24.19	24.00
15	24.08	24.07	24.06	24.07	24.08	24.09	24.10	24.12	24.15	24.20	24.24	24.28	24.32	24.36	24.39	24.42	24.44	24.46	24.48	24.49	24.51	24.52	24.51	24.53	24.29	24.53	24.06
16	24.54	24.54	24.55	24.55	24.57	24.58	24.58	24.59	24.60	24.61	24.61	24.62	24.62	24.61	24.62	24.62	24.63	24.63	24.64	24.65	24.66	24.67	24.68	24.69	24.61	24.69	24.54
17	24.70	24.69	24.69	24.68	24.68	24.70	24.71	24.73	24.73	24.73	24.72	24.71	24.70	24.69	24.67	24.67	24.67	24.67	24.68	24.69	24.70	24.71	24.71	24.70	24.70	24.73	24.67
18	24.71	24.70	24.69	24.69	24.69	24.70	24.70	24.71	24.71	24.71	24.70	24.68	24.67	24.65	24.63	24.62	24.61	24.60	24.60	24.59	24.60	24.59	24.58	24.57	24.65	24.71	24.57
19	24.56	24.54	24.52	24.51	24.51	24.50	24.51	24.51	24.49	24.47	24.46	24.45	24.43	24.41	24.39	24.37	24.36	24.36	24.36	24.37	24.37	24.37	24.36	24.36	24.44	24.56	24.36
20	24.35	24.34	24.34	24.34	24.35	24.35	24.38	24.39	24.40	24.40	24.39	24.39	24.39	24.39	24.40	24.40	24.41	24.42	24.42	24.44	24.45	24.46	24.46	24.45	24.40	24.46	24.34
21	24.45	24.44	24.44	24.44	24.43	24.43	24.43	24.43	24.42	24.41	24.39	24.37	24.35	24.34	24.32	24.30	24.29	24.28	24.28	24.28	24.29	24.29	24.29	24.28	24.36	24.45	24.28
22	24.27	24.26	24.25	24.24	24.24	24.23	24.23	24.22	24.22	24.21	24.20	24.19	24.18	24.17	24.15	24.14	24.14	24.13	24.13	24.13	24.14	24.14	24.13	24.13	24.19	24.27	24.13
23	24.12	24.11	24.11	24.11	24.11	24.11	24.14	24.15	24.14	24.13	24.13	24.13	24.12	24.11	24.13	24.13	24.13	24.13	24.14	24.15	24.17	24.17	24.16	24.16	24.13	24.17	24.11
24	24.17	24.16	24.16	24.16	24.17	24.17	24.17	24.17	24.16	24.17	24.17	24.17	24.18	24.17	24.16	24.16	24.16	24.16	24.16	24.16	24.17	24.16	24.15	24.15	24.16	24.18	24.15
25	24.15	24.15	24.15	24.14	24.13	24.14	24.14	24.14	24.15	24.15	24.15	24.15	24.16	24.16	24.16	24.17	24.17	24.19	24.20	24.21	24.23	24.23	24.23	24.23	24.17	24.23	24.13
26	24.22	24.21	24.22	24.24	24.23	24.24	24.25	24.26	24.26	24.25	24.25	24.25	24.24	24.25	24.26	24.26	24.27	24.27	24.27	24.27	24.27	24.27	24.26	24.26	24.25	24.27	24.21
27	24.27	24.26	24.26	24.26	24.25	24.25	24.25	24.25	24.26	24.27	24.27	24.27	24.27	24.27	24.27	24.27	24.28	24.27	24.27	24.28	24.30	24.31	24.30	24.29	24.27	24.31	24.25
28	24.30	24.30	24.30	24.30	24.31	24.32	24.33	24.33	24.34	24.34	24.34	24.35	24.35	24.35	24.35	24.35	24.35	24.35	24.35	24.34	24.35	24.34	24.33	24.32	24.33	24.35	24.30
29	24.31	24.29	24.29	24.29	24.28	24.28	24.29	24.29	24.29	24.29	24.29	24.28	24.27	24.27	24.26	24.26	24.27	24.28	24.29	24.30	24.32	24.33	24.34	24.35	24.29	24.35	24.26
30	24.35	24.36	24.37	24.38	24.38	24.39	24.42	24.44	24.46	24.47	24.48	24.49	24.50	24.52	24.53	24.54	24.55	24.56	24.57	24.58	24.60	24.60	24.60	24.60	24.49	24.60	24.35
Avg	24.35	24.34	24.34	24.34	24.34	24.34	24.35	24.35	24.36	24.36	24.36	24.35	24.35	24.34	24.34	24.33	24.34	24.34	24.34	24.34	24.36	24.36	24.35	24.35	24.35	24.41	24.28
Max	24.71	24.70	24.69	24.69	24.69	24.70	24.71	24.73	24.73	24.73	24.72	24.71	24.70	24.69	24.67	24.67	24.67	24.67	24.68	24.69	24.70	24.71	24.71	24.70	24.70	24.73	24.67
Min	24.08	24.07	24.06	24.07	24.08	24.09	24.09	24.07	24.05	24.04	24.05	24.03	24.02	24.02	24.02	24.00	24.02	24.03	24.03	24.05	24.06	24.07	24.07	24.07	24.07	24.17	24.00

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
May 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.60	24.60	24.60	24.60	24.60	24.60	24.61	24.62	24.62	24.61	24.60	24.58	24.56	24.55	24.54	24.53	24.52	24.52	24.52	24.52	24.53	24.53	24.53	24.53	24.57	24.62	24.52
2	24.53	24.52	24.51	24.52	24.52	24.52	24.54	24.54	24.54	24.53	24.53	24.52	24.51	24.50	24.48	24.47	24.47	24.47	24.47	24.48	24.49	24.50	24.50	24.50	24.51	24.54	24.47
3	24.50	24.50	24.50	24.50	24.50	24.50	24.52	24.53	24.53	24.52	24.52	24.52	24.51	24.50	24.49	24.48	24.47	24.46	24.45	24.46	24.47	24.47	24.47	24.47	24.49	24.53	24.45
4	24.47	24.47	24.47	24.46	24.45	24.46	24.47	24.47	24.45	24.44	24.43	24.42	24.41	24.39	24.37	24.36	24.35	24.34	24.34	24.34	24.35	24.35	24.35	24.35	24.41	24.47	24.34
5	24.34	24.34	24.33	24.33	24.33	24.34	24.35	24.36	24.35	24.34	24.34	24.34	24.33	24.32	24.31	24.30	24.29	24.30	24.30	24.31	24.33	24.36	24.37	24.40	24.33	24.40	24.29
6	24.43	24.42	24.42	24.45	24.47	24.49	24.51	24.53	24.53	24.53	24.53	24.53	24.53	24.52	24.52	24.51	24.51	24.51	24.50	24.50	24.50	24.51	24.50	24.49	24.50	24.53	24.42
7	24.48	24.48	24.46	24.44	24.44	24.44	24.43	24.42	24.43	24.42	24.40	24.38	24.36	24.33	24.31	24.31	24.29	24.28	24.27	24.26	24.26	24.25	24.24	24.22	24.36	24.48	24.22
8	24.19	24.18	24.17	24.15	24.14	24.13	24.13	24.12	24.10	24.08	24.06	24.05	24.03	24.02	24.01	24.00	23.98	23.97	23.98	23.98	23.99	24.00	24.01	24.02	24.06	24.19	23.97
9	24.02	24.04	24.05	24.06	24.07	24.07	24.07	24.07	24.08	24.08	24.08	24.08	24.11	24.13	24.13	24.15	24.18	24.19	24.20	24.21	24.23	24.24	24.25	24.26	24.13	24.26	24.02
10	24.27	24.27	24.28	24.29	24.29	24.30	24.32	24.34	24.36	24.37	24.38	24.38	24.38	24.38	24.39	24.39	24.40	24.41	24.42	24.43	24.45	24.46	24.46	24.47	24.37	24.47	24.27
11	24.47	24.46	24.47	24.47	24.49	24.50	24.51	24.53	24.54	24.54	24.54	24.54	24.53	24.53	24.53	24.53	24.53	24.52	24.52	24.52	24.52	24.52	24.51	24.50	24.51	24.54	24.46
12	24.49	24.48	24.47	24.46	24.46	24.46	24.47	24.47	24.46	24.45	24.44	24.43	24.43	24.42	24.42	24.42	24.42	24.43	24.46	24.48	24.51	24.53	24.54	24.56	24.47	24.56	24.42
13	24.56	24.57	24.58	24.59	24.60	24.61	24.63	24.64	24.64	24.65	24.65	24.65	24.65	24.65	24.64	24.64	24.63	24.62	24.62	24.61	24.62	24.62	24.61	24.60	24.62	24.65	24.56
14	24.59	24.59	24.57	24.57	24.56	24.57	24.57	24.57	24.56	24.55	24.54	24.53	24.50	24.48	24.47	24.45	24.44	24.43	24.42	24.42	24.41	24.41	24.40	24.39	24.50	24.59	24.39
15	24.38	24.37	24.36	24.34	24.32	24.33	24.32	24.31	24.31	24.30	24.30	24.30	24.30	24.30	24.30	24.31	24.31	24.32	24.32	24.33	24.33	24.34	24.34	24.34	24.32	24.38	24.30
16	24.34	24.34	24.34	24.34	24.35	24.37	24.38	24.40	24.41	24.42	24.43	24.44	24.43	24.44	24.45	24.45	24.45	24.45	24.46	24.47	24.48	24.49	24.49	24.48	24.42	24.49	24.34
17	24.49	24.49	24.49	24.48	24.48	24.50	24.52	24.53	24.52	24.51	24.51	24.50	24.49	24.48	24.47	24.47	24.46	24.45	24.45	24.45	24.46	24.46	24.46	24.45	24.48	24.53	24.45
18	24.45	24.44	24.44	24.43	24.42	24.43	24.44	24.43	24.42	24.41	24.40	24.38	24.37	24.35	24.33	24.31	24.29	24.28	24.27	24.27	24.27	24.26	24.24	24.23	24.36	24.45	24.23
19	24.21	24.19	24.18	24.17	24.14	24.13	24.12	24.11	24.10	24.09	24.08	24.06	24.05	24.10	24.11	24.10	24.10	24.10	24.11	24.12	24.12	24.12	24.12	24.12	24.12	24.21	24.05
20	24.13	24.14	24.15	24.16	24.16	24.15	24.16	24.17	24.17	24.17	24.16	24.16	24.16	24.15	24.15	24.15	24.14	24.14	24.15	24.17	24.19	24.18	24.18	24.16	24.16	24.19	24.13
21	24.16	24.16	24.17	24.16	24.17	24.16	24.15	24.14	24.12	24.12	24.10	24.08	24.14	24.14	24.15	24.12	24.14	24.12	24.11	24.11	24.15	24.16	24.16	24.16	24.14	24.17	24.08
22	24.16	24.15	24.15	24.15	24.14	24.14	24.14	24.13	24.13	24.13	24.12	24.10	24.10	24.11	24.10	24.09	24.10	24.11	24.12	24.13	24.14	24.14	24.14	24.14	24.13	24.16	24.09
23	24.13	24.11	24.11	24.11	24.11	24.12	24.12	24.13	24.14	24.14	24.14	24.15	24.15	24.16	24.17	24.19	24.19	24.20	24.20	24.20	24.21	24.23	24.23	24.24	24.16	24.24	24.11
24	24.23	24.23	24.23	24.24	24.24	24.24	24.25	24.26	24.26	24.26	24.26	24.26	24.26	24.26	24.25	24.25	24.26	24.26	24.26	24.26	24.27	24.28	24.29	24.28	24.26	24.29	24.23
25	24.27	24.27	24.27	24.27	24.27	24.28	24.29	24.30	24.30	24.30	24.29	24.29	24.28	24.27	24.27	24.30	24.31	24.30	24.30	24.30	24.32	24.32	24.32	24.32	24.29	24.32	24.27
26	24.32	24.32	24.33	24.33	24.33	24.33	24.34	24.34	24.34	24.34	24.35	24.34	24.33	24.32	24.31	24.30	24.30	24.29	24.29	24.30	24.30	24.31	24.32	24.30	24.32	24.35	24.29
27	24.30	24.30	24.28	24.28	24.28	24.28	24.29	24.29	24.29	24.29	24.29	24.27	24.25	24.25	24.24	24.25	24.27	24.27	24.28	24.29	24.30	24.30	24.30	24.30	24.28	24.30	24.24
28	24.30	24.31	24.31	24.31	24.31	24.33	24.34	24.35	24.36	24.35	24.35	24.36	24.36	24.36	24.36	24.36	24.37	24.37	24.37	24.38	24.39	24.40	24.41	24.41	24.36	24.41	24.30
29	24.41	24.40	24.40	24.40	24.41	24.42	24.43	24.43	24.42	24.42	24.41	24.41	24.40	24.39	24.37	24.37	24.35	24.35	24.34	24.35	24.36	24.38	24.38	24.37	24.39	24.43	24.34
30	24.37	24.37	24.37	24.37	24.38	24.38	24.39	24.39	24.40	24.41	24.41	24.45	24.45	24.45	24.46	24.45	24.46	24.46	24.47	24.48	24.49	24.50	24.50	24.50	24.43	24.50	24.37
31	24.50	24.50	24.49	24.50	24.51	24.52	24.53	24.53	24.54	24.54	24.54	24.53	24.53	24.52	24.51	24.50	24.49	24.49	24.49	24.48	24.49	24.49	24.48	24.48	24.51	24.54	24.48
Avg	24.36	24.36	24.35	24.35	24.35	24.36	24.37	24.37	24.37	24.36	24.36	24.36	24.35	24.35	24.34	24.34	24.34	24.34	24.34	24.34	24.35	24.36	24.36	24.36	24.35	24.41	24.29
Max	24.60	24.60	24.60	24.60	24.60	24.61	24.63	24.64	24.64	24.65	24.65	24.65	24.65	24.65	24.64	24.64	24.63	24.62	24.62	24.61	24.62	24.62	24.61	24.60	24.62	24.65	24.56
Min	24.02	24.04	24.05	24.06	24.07	24.07	24.07	24.07	24.08	24.08	24.06	24.05	24.03	24.02	24.01	24.00	23.98	23.97	23.98	23.98	23.99	24.00	24.01	24.02	24.06	24.16	23.97

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
June 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.47	24.45	24.44	24.43	24.42	24.43	24.44	24.43	24.42	24.41	24.41	24.40	24.39	24.38	24.37	24.36	24.35	24.34	24.34	24.34	24.35	24.35	24.35	24.34	24.39	24.47	24.34
2	24.34	24.34	24.34	24.33	24.36	24.36	24.36	24.36	24.34	24.35	24.35	24.35	24.35	24.35	24.35	24.35	24.36	24.36	24.37	24.39	24.40	24.43	24.45	24.46	24.37	24.46	24.33
3	24.46	24.47	24.48	24.49	24.50	24.53	24.54	24.54	24.55	24.56	24.57	24.58	24.58	24.58	24.57	24.57	24.57	24.58	24.58	24.59	24.60	24.62	24.63	24.64	24.56	24.64	24.46
4	24.64	24.63	24.64	24.64	24.65	24.66	24.66	24.65	24.65	24.64	24.62	24.61	24.60	24.58	24.57	24.56	24.55	24.54	24.53	24.53	24.54	24.54	24.54	24.53	24.60	24.66	24.53
5	24.53	24.52	24.51	24.51	24.51	24.52	24.52	24.52	24.51	24.50	24.49	24.49	24.48	24.47	24.46	24.46	24.46	24.45	24.45	24.46	24.47	24.49	24.50	24.50	24.49	24.53	24.45
6	24.50	24.49	24.49	24.48	24.48	24.49	24.49	24.48	24.48	24.47	24.46	24.44	24.43	24.41	24.39	24.37	24.36	24.34	24.34	24.34	24.35	24.36	24.36	24.36	24.42	24.50	24.34
7	24.35	24.34	24.35	24.33	24.33	24.33	24.33	24.33	24.33	24.32	24.31	24.30	24.28	24.26	24.25	24.24	24.27	24.31	24.32	24.31	24.32	24.34	24.34	24.34	24.31	24.35	24.24
8	24.33	24.32	24.32	24.32	24.32	24.33	24.33	24.33	24.33	24.32	24.32	24.31	24.29	24.28	24.27	24.25	24.23	24.21	24.21	24.22	24.22	24.22	24.24	24.24	24.28	24.33	24.21
9	24.23	24.23	24.24	24.23	24.23	24.24	24.25	24.25	24.24	24.23	24.22	24.22	24.21	24.21	24.24	24.23	24.23	24.24	24.24	24.25	24.28	24.30	24.31	24.32	24.24	24.32	24.21
10	24.33	24.34	24.33	24.32	24.33	24.34	24.34	24.34	24.33	24.31	24.30	24.29	24.28	24.26	24.23	24.21	24.21	24.22	24.23	24.26	24.27	24.29	24.29	24.31	24.29	24.34	24.21
11	24.30	24.29	24.29	24.30	24.32	24.33	24.33	24.34	24.35	24.35	24.36	24.36	24.36	24.36	24.37	24.37	24.37	24.39	24.41	24.41	24.42	24.43	24.44	24.46	24.36	24.46	24.29
12	24.47	24.48	24.49	24.49	24.50	24.52	24.53	24.53	24.54	24.53	24.52	24.52	24.51	24.50	24.50	24.49	24.48	24.47	24.47	24.47	24.48	24.48	24.47	24.47	24.50	24.54	24.47
13	24.46	24.45	24.43	24.42	24.41	24.42	24.41	24.40	24.38	24.37	24.35	24.34	24.34	24.30	24.28	24.26	24.24	24.23	24.23	24.22	24.22	24.22	24.21	24.20	24.32	24.46	24.20
14	24.19	24.18	24.17	24.17	24.16	24.16	24.16	24.16	24.15	24.12	24.11	24.08	24.08	24.14	24.16	24.19	24.20	24.22	24.24	24.24	24.23	24.25	24.26	24.27	24.18	24.27	24.08
15	24.28	24.28	24.28	24.29	24.30	24.31	24.31	24.32	24.32	24.30	24.30	24.29	24.28	24.27	24.26	24.24	24.23	24.22	24.21	24.19	24.19	24.19	24.16	24.18	24.26	24.32	24.16
16	24.17	24.15	24.16	24.19	24.19	24.20	24.22	24.23	24.24	24.25	24.27	24.27	24.27	24.27	24.32	24.35	24.37	24.40	24.42	24.44	24.46	24.49	24.50	24.50	24.31	24.50	24.15
17	24.50	24.51	24.51	24.51	24.52	24.53	24.55	24.55	Au	Au	Au	24.54	24.53	24.52	24.52	24.51	24.50	24.49	24.49	24.49	24.50	24.52	24.50	24.50	24.51	24.55	24.49
18	24.50	24.50	24.48	24.47	24.49	24.48	24.46	24.45	24.44	24.43	24.42	24.40	24.38	24.35	24.34	24.33	24.33	24.35	24.37	24.41	24.44	24.45	24.48	24.49	24.43	24.50	24.33
19	24.51	24.52	24.54	24.55	24.57	24.59	24.61	24.62	24.63	24.63	24.62	24.62	24.61	24.61	24.61	24.61	24.61	24.61	24.62	24.64	24.66	24.66	24.67	24.67	24.61	24.67	24.51
20	24.67	24.66	24.65	24.65	24.65	24.66	24.66	24.65	24.65	24.64	24.62	24.60	24.58	24.56	24.54	24.52	24.50	24.47	24.46	24.45	24.45	24.45	24.44	24.44	24.57	24.67	24.44
21	24.44	24.43	24.42	24.41	24.40	24.40	24.39	24.38	24.37	24.37	24.36	24.36	24.36	24.37	24.38	24.40	24.42	24.43	24.44	24.46	24.48	24.48	24.48	24.49	24.41	24.49	24.36
22	24.48	24.47	24.46	24.46	24.47	24.48	24.49	24.49	24.49	24.48	24.48	24.47	24.46	24.45	24.44	24.43	24.42	24.41	24.41	24.42	24.42	24.43	24.43	24.42	24.45	24.49	24.41
23	24.41	24.41	24.40	24.40	24.39	24.40	24.40	24.39	24.37	24.36	24.34	24.33	24.31	24.30	24.28	24.27	24.26	24.26	24.26	24.27	24.28	24.30	24.32	24.33	24.33	24.41	24.26
24	24.34	24.34	24.31	24.30	24.32	24.33	24.32	24.31	24.30	24.29	24.28	24.27	24.23	24.23	24.27	24.30	24.32	24.35	24.37	24.39	24.40	24.41	24.41	24.41	24.32	24.41	24.23
25	24.41	24.40	24.39	24.40	24.41	24.42	24.44	24.45	24.45	24.46	24.46	24.48	24.49	24.50	24.50	24.49	24.49	24.49	24.50	24.50	24.51	24.52	24.52	24.53	24.47	24.53	24.39
26	24.53	24.54	24.54	24.54	24.55	24.57	24.58	24.58	24.59	24.59	24.59	24.59	24.58	24.59	24.59	24.59	24.58	24.59	24.59	24.62	24.64	24.66	24.67	24.67	24.59	24.67	24.53
27	24.67	24.67	24.67	24.67	24.67	24.68	24.69	24.68	24.68	24.67	24.66	24.66	24.65	24.64	24.63	24.62	24.61	24.61	24.60	24.60	24.61	24.63	24.63	24.62	24.65	24.69	24.60
28	24.61	24.60	24.58	24.57	24.57	24.59	24.61	24.60	24.60	24.58	24.57	24.56	24.55	24.54	24.53	24.52	24.51	24.50	24.50	24.50	24.52	24.54	24.54	24.54	24.56	24.61	24.50
29	24.55	24.55	24.54	24.54	24.55	24.56	24.57	24.56	24.56	24.55	24.55	24.55	24.54	24.53	24.52	24.52	24.51	24.51	24.51	24.53	24.54	24.55	24.55	24.55	24.54	24.57	24.51
30	24.55	24.54	24.53	24.53	24.55	24.56	24.53	24.53	24.52	24.52	24.52	24.50	24.49	24.47	24.46	24.44	24.42	24.43	24.44	24.44	24.45	24.46	24.46	24.46	24.49	24.56	24.42
Avg	24.44	24.44	24.43	24.43	24.44	24.45	24.45	24.45	24.44	24.43	24.43	24.43	24.42	24.41	24.41	24.40	24.40	24.40	24.41	24.41	24.42	24.44	24.44	24.44	24.43	24.50	24.36
Max	24.67	24.67	24.67	24.67	24.67	24.68	24.69	24.68	24.68	24.67	24.66	24.66	24.65	24.64	24.63	24.62	24.61	24.61	24.62	24.64	24.66	24.66	24.67	24.67	24.65	24.69	24.60
Min	24.17	24.15	24.16	24.17	24.16	24.16	24.16	24.16	24.15	24.12	24.11	24.08	24.08	24.14	24.16	24.19	24.20	24.21	24.21	24.19	24.19	24.19	24.16	24.18	24.18	24.27	24.08

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
April 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	87.6	88.4	88.6	90.2	90.1	90.0	89.0	87.7	75.9	65.3	66.5	61.3	58.2	55.3	50.8	48.6	46.6	49.1	54.4	65.4	76.0	80.6	86.4	88.8	72.5	90.2	46.6
2	89.9	89.9	90.8	90.7	90.7	91.2	89.0	77.4	70.8	48.9	45.6	41.0	38.7	35.4	33.6	30.3	29.9	32.5	37.9	41.5	47.3	47.6	46.5	48.8	57.7	91.2	29.9
3	49.3	49.7	51.7	56.4	64.1	74.6	76.1	66.2	53.2	48.9	45.0	42.7	40.8	37.5	38.2	37.1	35.7	36.2	38.3	60.2	64.4	68.8	76.2	83.2	53.9	83.2	35.7
4	85.6	85.9	87.3	86.9	87.9	89.6	88.1	78.6	57.8	45.8	37.9	35.5	30.0	26.4	60.3	85.0	83.7	87.7	90.0	96.1	95.5	92.6	88.0	85.0	74.5	96.1	26.4
5	82.7	77.4	74.0	75.2	78.5	83.5	89.2	92.1	90.6	89.6	83.2	78.5	71.1	65.4	58.4	56.0	54.8	56.2	59.3	61.1	60.9	63.4	66.4	69.0	72.4	92.1	54.8
6	70.4	70.4	70.2	69.6	74.5	80.3	80.2	68.9	61.3	58.6	54.7	56.0	56.4	53.3	50.7	48.4	46.9	48.5	49.0	52.7	58.2	69.4	73.5	78.5	62.5	80.3	46.9
7	80.4	83.0	85.1	87.3	88.1	89.3	87.1	76.9	62.6	54.6	52.8	48.6	45.7	41.9	39.2	33.9	32.1	30.5	34.5	53.0	62.0	68.7	76.9	80.3	62.3	89.3	30.5
8	86.1	86.6	88.7	90.0	90.1	90.1	88.8	80.8	68.2	42.6	28.2	22.5	17.7	15.8	17.2	15.0	15.4	19.4	26.3	45.9	55.8	61.7	66.5	74.8	53.9	90.1	15.0
9	81.4	79.8	80.1	81.5	81.8	83.9	81.0	61.8	32.5	32.6	38.9	42.3	41.3	37.0	36.2	35.4	36.1	41.7	48.4	56.2	59.1	61.0	64.2	69.2	56.8	83.9	32.5
10	76.7	80.6	80.9	69.5	74.5	77.5	76.6	73.5	63.6	51.4	46.0	48.1	45.1	42.2	41.7	41.1	40.9	41.2	47.0	55.7	60.0	63.2	71.3	65.5	59.7	80.9	40.9
11	59.8	59.2	63.4	68.0	78.3	80.8	77.7	63.7	48.7	44.6	43.0	41.9	39.4	34.2	32.7	31.5	30.1	31.7	33.2	40.8	60.4	69.9	76.1	80.5	53.7	80.8	30.1
12	83.2	85.5	86.5	88.8	88.4	88.6	85.9	77.7	64.5	38.0	35.7	33.7	31.0	29.5	32.5	36.1	49.1	63.2	63.1	72.5	74.8	80.4	83.1	85.3	64.9	88.8	29.5
13	84.8	86.4	90.5	92.7	89.7	92.2	91.8	90.3	91.4	93.2	89.4	85.1	76.9	63.7	54.7	53.5	56.4	55.3	54.0	70.9	80.0	83.3	87.3	85.8	79.1	93.2	53.5
14	88.3	86.0	86.6	86.4	80.3	65.4	65.0	62.8	64.5	67.5	74.8	81.3	86.3	88.1	87.2	91.2	91.5	93.2	92.8	91.8	93.6	93.7	94.7	94.3	83.6	94.7	62.8
15	94.5	94.2	92.9	91.7	91.0	89.9	89.0	87.9	86.9	87.1	87.1	85.1	87.5	86.1	83.8	80.8	77.4	76.5	80.5	80.0	87.6	79.7	84.5	90.0	86.3	94.5	76.5
16	91.8	91.4	90.2	88.5	87.0	86.3	87.0	87.3	79.7	63.6	62.1	61.3	57.4	59.9	57.4	55.9	55.3	53.5	55.5	68.9	83.6	84.6	89.2	89.7	74.5	91.8	53.5
17	87.2	86.1	85.9	85.2	84.7	84.3	78.2	71.1	61.4	41.8	37.1	38.1	36.7	32.9	30.0	31.3	21.9	15.3	24.5	41.0	53.0	65.4	76.2	80.1	56.2	87.2	15.3
18	83.6	84.3	84.9	86.8	86.9	86.8	80.4	75.2	70.5	47.8	32.1	16.2	16.6	19.2	19.4	22.5	25.0	32.3	35.6	41.4	51.8	59.3	63.3	66.1	53.7	86.9	16.2
19	69.4	72.9	78.3	82.9	86.4	87.3	79.9	70.0	55.0	49.4	44.3	42.2	39.5	37.0	35.6	35.5	35.6	42.8	57.6	71.7	76.6	79.1	86.3	88.9	62.7	88.9	35.5
20	88.9	90.9	92.8	92.1	93.7	94.2	89.4	82.1	63.0	48.8	33.1	28.9	29.9	29.4	30.6	31.6	32.3	37.2	43.7	54.6	60.6	68.8	78.1	82.7	61.6	94.2	28.9
21	85.3	87.2	88.5	90.9	91.2	90.1	83.0	70.4	52.3	44.2	38.8	33.6	30.8	25.7	22.5	19.4	20.5	21.4	27.4	37.4	40.6	42.4	52.9	65.1	52.6	91.2	19.4
22	70.7	76.2	76.9	81.4	81.5	79.2	80.2	72.5	55.9	31.6	24.5	23.3	23.7	19.4	15.2	15.5	15.8	18.0	26.4	33.9	42.2	54.2	56.7	67.5	47.6	81.5	15.2
23	73.6	78.2	82.5	86.7	89.5	91.2	89.8	88.6	83.2	79.5	76.5	74.3	62.3	56.9	76.4	84.9	78.2	79.1	83.7	82.1	85.9	88.3	90.0	90.9	81.3	91.2	56.9
24	89.5	89.3	90.6	92.5	92.7	92.7	92.5	92.6	89.8	87.6	85.5	86.6	89.1	85.5	79.9	82.0	84.0	85.8	84.8	84.0	85.4	86.5	89.4	90.5	87.9	92.7	79.9
25	92.7	93.9	93.1	91.3	89.2	86.3	83.7	83.6	81.8	80.5	77.2	74.5	73.7	73.3	70.6	70.4	67.8	68.0	73.4	76.0	81.0	84.7	85.6	82.6	80.6	93.9	67.8
26	82.5	82.8	82.2	84.6	86.0	85.5	88.2	89.2	85.9	80.8	76.9	75.2	70.3	69.9	72.0	72.6	73.8	74.1	75.9	77.9	82.1	84.5	87.5	85.5	80.2	89.2	69.9
27	82.8	85.5	88.5	89.5	89.5	89.4	88.0	78.3	73.7	78.3	78.9	76.5	81.3	75.1	63.8	64.9	69.5	73.6	70.7	73.5	80.6	78.9	87.7	92.8	79.6	92.8	63.8
28	93.1	93.2	93.5	89.8	89.6	89.4	87.3	84.4	76.3	78.6	85.3	85.2	84.1	84.1	81.0	74.7	70.4	77.1	75.2	75.2	78.2	78.5	80.9	79.7	82.7	93.5	70.4
29	83.5	81.6	82.1	81.9	80.8	82.3	76.0	72.8	73.3	75.3	75.7	72.8	67.9	62.2	60.3	59.2	61.7	67.6	71.1	73.1	75.3	74.9	74.2	75.2	73.4	83.5	59.2
30	73.9	75.1	77.8	82.0	85.9	86.7	83.7	76.6	72.3	75.1	74.9	80.4	77.8	73.8	67.0	64.6	66.9	70.9	74.7	79.7	84.7	87.2	87.4	89.7	77.9	89.7	64.6
Avg	81.6	82.4	83.5	84.4	85.4	86.0	84.1	78.0	68.9	61.1	57.7	55.8	53.6	50.5	50.0	50.3	50.2	52.7	56.3	63.8	69.9	73.4	77.6	80.2	68.2	89.3	44.3
Max	94.5	94.2	93.5	92.7	93.7	94.2	92.5	92.6	91.4	93.2	89.4	86.6	89.1	88.1	87.2	91.2	91.5	93.2	92.8	96.1	95.5	93.7	94.7	94.3	87.9	96.1	79.9
Min	49.3	49.7	51.7	56.4	64.1	65.4	65.0	61.8	32.5	31.6	24.5	16.2	16.6	15.8	15.2	15.0	15.4	15.3	24.5	33.9	40.6	42.4	46.5	48.8	47.6	80.3	15.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
May 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	92.2	91.9	92.3	91.7	91.8	90.0	84.8	69.8	50.4	48.8	45.0	39.8	37.9	34.3	30.9	29.5	30.9	34.2	37.4	45.1	56.3	64.1	72.9	76.0	59.9	92.3	29.5
2	78.9	85.1	85.8	88.5	89.6	87.9	75.6	61.7	46.0	40.0	37.2	35.4	29.7	25.6	24.1	23.4	23.7	25.3	30.9	39.9	55.9	66.2	72.7	81.9	54.6	89.6	23.4
3	81.2	79.8	82.5	85.9	88.6	88.0	80.0	63.7	44.4	30.4	25.5	21.9	20.6	19.2	18.4	17.3	16.6	16.6	19.6	37.6	55.0	63.8	66.4	74.4	49.9	88.6	16.6
4	81.9	83.1	80.9	84.4	87.3	80.4	78.1	53.7	28.6	23.8	20.5	18.0	18.3	19.1	19.9	21.2	19.7	21.0	22.4	30.9	49.0	53.4	64.8	65.6	46.9	87.3	18.0
5	72.6	73.0	76.3	76.3	79.4	81.7	81.5	70.4	42.6	28.3	26.4	25.0	22.5	22.4	21.9	21.3	19.8	25.4	35.5	42.1	49.2	53.3	59.8	65.0	48.8	81.7	19.8
6	70.6	76.1	80.6	79.8	82.1	79.6	77.4	72.5	69.0	66.6	65.3	63.2	63.6	64.7	68.2	65.9	63.1	65.0	67.0	70.9	74.5	76.3	78.6	78.1	71.6	82.1	63.1
7	78.8	85.3	84.6	84.2	78.9	67.2	51.5	48.3	47.2	45.2	43.4	40.7	38.7	37.7	38.0	39.0	38.7	39.4	42.5	51.4	52.5	53.0	60.2	72.7	55.0	85.3	37.7
8	81.5	87.0	88.1	87.0	91.2	90.4	83.5	65.1	47.8	45.1	44.3	40.2	36.4	34.4	30.0	32.1	28.0	26.2	35.0	53.1	65.2	76.6	82.2	72.6	59.3	91.2	26.2
9	69.6	80.5	80.1	80.0	81.6	83.4	78.4	69.7	68.1	68.6	74.0	80.1	86.4	92.6	85.5	81.5	84.5	90.0	91.5	91.5	87.5	83.3	84.9	84.6	81.6	92.6	68.1
10	82.0	80.5	84.4	79.3	84.6	85.8	84.4	84.8	85.9	85.3	85.4	84.0	86.6	86.5	88.3	86.4	87.1	89.9	89.0	87.7	87.5	89.6	90.0	85.9	85.9	90.0	79.3
11	81.7	80.7	85.1	89.0	92.1	90.7	89.4	73.2	53.7	66.7	62.9	59.8	66.9	64.3	66.1	63.2	61.6	61.3	67.8	77.0	87.5	89.8	91.1	93.5	75.6	93.5	53.7
12	93.6	93.3	93.0	94.0	93.4	92.2	84.2	67.2	50.2	42.2	39.3	37.7	38.6	40.3	42.1	48.2	54.3	63.4	74.3	79.7	75.6	75.7	78.2	80.9	68.0	94.0	37.7
13	81.9	83.7	81.0	85.0	83.2	82.1	79.3	73.4	64.2	63.4	58.4	60.9	63.4	62.1	58.2	58.4	62.4	67.3	68.7	72.2	71.9	66.4	70.3	72.6	70.4	85.0	58.2
14	76.4	76.5	83.0	73.4	69.4	67.2	70.6	70.3	70.0	63.6	58.6	56.4	54.7	52.6	48.9	46.6	45.0	45.9	50.3	53.9	56.1	55.6	57.8	58.2	60.9	83.0	45.0
15	61.0	61.7	62.7	68.0	67.8	70.7	69.1	67.3	67.0	67.1	67.0	60.0	59.2	57.5	59.2	83.7	87.8	85.8	85.5	86.6	91.0	91.7	92.6	94.1	73.5	94.1	57.5
16	94.8	95.3	95.7	95.9	89.2	85.5	87.3	89.5	77.3	68.1	59.0	51.3	44.8	45.6	41.5	41.2	38.3	37.8	39.5	48.5	54.1	58.3	65.7	78.0	65.9	95.9	37.8
17	82.1	81.1	85.3	87.4	89.6	84.9	73.3	52.4	45.7	43.0	40.2	38.4	36.6	35.8	36.0	40.9	41.2	39.8	44.5	52.4	70.8	77.2	80.2	84.4	60.1	89.6	35.8
18	85.8	87.8	91.8	92.4	92.6	90.7	78.3	68.0	51.2	52.5	49.6	45.4	44.0	40.3	37.5	34.3	36.4	39.7	50.9	61.6	72.5	80.6	85.5	89.0	64.9	92.6	34.3
19	93.8	91.7	94.0	92.9	94.1	93.6	81.9	65.7	49.9	44.7	43.4	43.0	52.2	87.7	85.0	75.5	74.4	72.7	80.5	83.8	86.3	87.9	86.3	89.6	77.1	94.1	43.0
20	92.0	91.2	91.0	91.2	93.1	90.5	88.2	76.3	63.8	60.5	61.2	65.2	67.1	69.4	70.5	72.4	71.9	69.8	74.9	92.8	95.0	92.7	93.5	95.1	80.4	95.1	60.5
21	91.5	95.1	95.8	95.7	96.1	96.4	96.2	96.1	95.1	93.6	96.8	95.6	93.5	89.8	82.0	78.8	78.2	72.2	70.9	77.3	83.3	84.2	90.3	89.9	88.9	96.8	70.9
22	89.3	91.3	92.7	94.5	93.8	91.0	84.8	69.1	60.7	55.2	54.7	49.9	54.9	59.2	55.0	48.0	52.8	55.8	53.5	56.7	59.2	61.7	62.5	62.8	67.0	94.5	48.0
23	63.7	65.7	64.7	69.8	73.7	72.4	78.3	77.1	77.0	76.2	73.3	73.0	71.6	74.3	83.2	86.8	82.1	84.0	85.3	87.9	88.6	89.6	89.6	90.6	78.3	90.6	63.7
24	91.1	91.2	92.4	92.0	92.4	91.9	88.4	85.5	75.4	76.7	68.2	76.1	68.5	67.1	62.8	62.7	61.1	60.0	60.1	67.3	79.8	85.1	86.4	88.0	77.9	92.4	60.0
25	89.1	90.7	92.9	92.9	93.1	92.9	88.5	75.1	72.1	66.1	58.5	52.4	49.3	48.3	50.1	85.3	85.5	79.9	76.3	86.3	89.4	92.4	93.5	94.7	79.0	94.7	48.3
26	95.7	96.0	96.1	96.1	96.4	96.4	96.1	95.5	91.6	87.8	80.3	71.9	74.5	64.5	58.4	59.5	55.1	58.4	52.5	72.7	83.2	88.1	88.6	90.6	81.1	96.4	52.5
27	92.9	94.2	91.9	92.5	91.5	92.3	84.8	76.3	73.9	83.8	75.0	65.0	59.3	65.0	65.6	70.7	79.9	82.1	84.3	86.2	87.0	88.2	82.1	91.3	81.5	94.2	59.3
28	93.6	94.1	94.7	94.2	94.6	92.7	82.3	67.5	60.8	53.0	50.6	49.6	48.4	45.7	42.5	41.3	42.6	39.9	43.6	51.0	70.3	79.5	84.0	87.1	66.8	94.7	39.9
29	88.7	90.8	90.4	88.8	91.7	86.7	77.4	61.4	42.4	39.7	40.0	38.1	35.2	32.4	31.9	34.4	34.8	33.2	41.3	49.0	59.0	61.6	65.3	72.1	57.8	91.7	31.9
30	76.6	84.1	81.4	72.5	75.9	79.4	60.9	61.7	65.8	54.2	53.8	74.5	57.5	51.6	62.0	50.0	48.3	47.6	52.0	62.5	71.7	76.8	83.0	82.7	66.1	84.1	47.6
31	78.9	72.7	71.3	69.4	70.0	69.8	67.6	63.0	56.3	55.2	53.8	50.0	48.8	47.2	43.9	41.8	37.1	36.5	39.7	46.6	63.6	78.0	82.6	84.9	59.5	84.9	36.5
Avg	83.3	84.9	85.9	86.0	86.7	85.3	80.1	70.7	61.1	57.9	55.2	53.6	52.6	52.8	51.9	52.9	53.0	53.7	57.0	64.6	71.9	75.5	78.8	81.5	68.2	90.7	45.3
Max	95.7	96.0	96.1	96.1	96.4	96.4	96.2	96.1	95.1	93.6	96.8	95.6	93.5	92.6	88.3	86.8	87.8	90.0	91.5	92.8	95.0	92.7	93.5	95.1	88.9	96.8	79.3
Min	61.0	61.7	62.7	68.0	67.8	67.2	51.5	48.3	28.6	23.8	20.5	18.0	18.3	19.1	18.4	17.3	16.6	16.6	19.6	30.9	49.0	53.0	57.8	58.2	46.9	81.7	16.6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
June 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	84.1	87.9	89.0	91.4	91.3	87.8	78.9	66.5	46.5	41.0	38.3	37.1	35.8	32.7	31.4	32.4	33.3	33.1	38.8	50.5	56.8	56.3	65.0	72.4	57.4	91.4	31.4
2	73.8	76.8	79.8	81.8	83.3	83.5	84.6	80.8	53.2	48.4	46.0	45.3	51.7	44.4	41.1	40.8	40.6	43.0	46.2	50.2	50.4	53.6	50.8	51.0	58.4	84.6	40.6
3	52.6	59.1	64.2	74.2	84.8	79.5	67.7	55.4	50.8	46.7	41.9	40.2	44.2	42.2	37.4	35.1	34.7	35.2	37.3	41.9	58.5	71.7	80.4	84.6	55.0	84.8	34.7
4	87.7	88.4	89.0	92.2	92.6	85.5	77.0	61.5	45.1	40.9	37.0	32.3	31.4	29.7	26.9	24.0	18.6	24.4	28.6	32.7	52.5	60.1	68.0	77.4	54.3	92.6	18.6
5	82.8	87.0	89.3	89.9	90.6	84.6	72.3	57.5	41.6	27.9	27.0	30.6	28.5	26.5	30.4	33.6	29.8	27.8	32.2	37.6	47.2	58.7	70.2	79.4	53.5	90.6	26.5
6	82.2	85.7	83.7	78.0	77.4	70.8	55.7	47.2	45.7	43.3	41.5	39.2	38.4	36.4	34.3	32.8	33.6	34.2	37.7	42.6	45.1	48.8	50.9	57.4	51.8	85.7	32.8
7	67.0	74.3	79.4	81.3	88.1	82.3	69.7	62.6	44.7	40.9	38.5	36.2	32.2	29.9	28.8	32.7	49.6	61.5	70.2	78.5	83.9	89.6	91.8	92.5	62.8	92.5	28.8
8	94.3	94.6	93.6	94.6	94.9	93.6	81.5	73.6	56.5	46.5	42.2	31.6	22.5	25.5	24.3	25.2	28.5	36.5	48.2	57.2	57.3	57.5	52.7	71.7	58.5	94.9	22.5
9	86.4	89.8	87.8	83.8	88.8	86.9	81.8	66.1	51.6	46.3	51.7	49.5	45.1	53.6	71.2	65.8	71.9	82.8	82.2	84.8	88.7	90.0	88.1	91.5	74.4	91.5	45.1
10	90.3	93.7	93.9	95.8	96.0	93.5	81.5	66.5	59.2	54.5	51.9	48.5	45.1	45.2	43.4	44.5	56.6	67.8	71.1	68.1	66.6	75.5	86.2	92.0	70.3	96.0	43.4
11	93.7	94.5	95.4	96.3	96.3	96.3	96.0	95.1	87.5	77.8	71.4	67.4	68.5	66.8	63.3	61.9	62.4	82.6	86.3	89.2	91.9	93.1	92.0	92.4	84.1	96.3	61.9
12	91.2	79.6	83.8	81.5	88.7	77.5	55.8	51.8	49.9	47.9	40.5	35.3	33.9	34.9	35.0	32.7	31.9	31.4	33.4	39.1	61.3	70.1	71.8	71.8	55.4	91.2	31.4
13	79.5	82.4	87.8	88.1	88.9	82.1	73.9	63.3	41.8	43.9	41.1	39.9	47.4	46.3	37.6	36.8	38.8	37.5	36.7	52.0	61.0	67.6	76.2	79.4	59.6	88.9	36.7
14	86.9	82.9	82.2	87.8	89.9	91.3	75.6	63.4	52.9	43.4	39.9	37.5	51.5	78.0	84.7	81.0	76.6	67.9	59.3	65.2	79.7	77.3	82.6	88.6	71.9	91.3	37.5
15	89.6	90.7	93.0	90.7	91.5	88.0	84.6	83.1	84.0	81.1	77.9	78.8	80.5	78.4	74.2	73.4	73.1	69.0	72.3	83.5	89.7	93.0	91.8	90.7	83.4	93.0	69.0
16	93.2	92.7	93.9	92.4	91.5	89.1	84.0	78.5	70.2	61.6	56.4	55.1	51.8	42.4	61.9	63.0	60.0	69.3	71.6	73.7	82.8	85.2	89.1	90.9	75.0	93.9	42.4
17	90.4	89.5	91.4	88.4	89.8	87.5	81.8	71.9	Au	Au	Au	28.5	29.7	29.8	29.2	30.4	29.8	33.6	40.9	53.6	55.8	57.8	60.1	56.5	58.4	91.4	28.5
18	55.2	58.2	61.6	61.9	64.2	65.6	58.2	52.9	51.1	46.2	42.9	38.8	32.7	24.9	20.8	19.9	27.8	43.1	42.0	56.4	69.8	76.8	79.7	78.5	51.2	79.7	19.9
19	72.5	63.8	58.7	57.7	62.3	52.6	47.5	45.4	43.1	41.3	36.0	32.6	29.3	26.0	22.9	19.9	22.2	22.0	25.0	33.2	48.9	66.6	62.9	75.1	44.5	75.1	19.9
20	76.5	79.6	84.0	83.4	83.3	74.8	61.0	38.8	36.4	33.7	31.6	28.6	26.5	26.4	24.0	22.4	21.1	21.3	27.5	27.2	30.9	31.7	28.7	34.9	43.1	84.0	21.1
21	37.8	48.4	57.1	66.0	70.4	73.4	65.3	50.5	38.7	38.9	35.6	29.4	27.8	27.1	22.8	24.8	29.6	27.3	30.8	34.9	40.4	45.9	55.2	66.3	43.5	73.4	22.8
22	76.4	79.2	84.4	87.9	88.7	82.2	73.7	59.1	39.2	32.8	28.6	27.1	26.6	21.3	20.8	23.7	25.3	25.8	30.3	40.0	54.1	60.7	67.8	74.8	51.3	88.7	20.8
23	77.6	74.3	78.5	80.1	81.4	78.5	66.2	50.8	34.0	28.4	26.2	26.5	20.6	20.1	16.5	16.4	21.7	24.1	32.0	40.8	38.0	35.6	36.1	44.2	43.7	81.4	16.4
24	50.9	61.7	73.6	77.4	75.7	73.0	68.2	62.1	49.8	40.4	41.4	39.7	34.5	49.6	64.5	81.9	72.9	58.5	41.3	36.4	38.1	47.5	50.8	53.6	56.0	81.9	34.5
25	59.1	59.3	59.0	58.2	57.1	62.1	64.6	61.4	57.7	53.6	52.2	49.1	47.4	43.5	41.1	39.7	37.3	36.7	37.3	45.9	56.2	67.2	79.4	83.5	54.5	83.5	36.7
26	88.1	89.1	89.3	90.5	90.5	84.4	75.6	61.1	38.8	32.5	29.9	27.7	26.6	25.7	25.8	26.0	26.2	27.5	30.9	37.5	50.3	63.9	77.0	82.5	54.1	90.5	25.7
27	88.4	88.8	89.5	92.1	92.1	84.1	74.8	58.0	48.0	42.9	40.3	35.0	32.0	25.5	25.5	23.4	22.5	20.7	20.6	34.5	45.8	52.0	47.6	42.4	51.1	92.1	20.6
28	45.5	51.9	53.4	52.7	56.3	64.3	59.4	47.8	46.9	38.6	32.2	30.7	29.1	26.3	19.8	21.0	23.1	23.0	23.2	34.9	40.4	48.3	64.3	69.3	41.8	69.3	19.8
29	68.9	67.9	77.6	73.1	78.9	76.1	71.6	59.0	48.1	42.4	49.1	44.8	33.9	28.9	27.2	38.5	42.6	41.9	49.3	59.3	67.5	74.0	68.8	58.9	56.2	78.9	27.2
30	61.7	65.1	76.0	84.3	84.9	73.6	67.7	55.0	44.7	42.1	37.9	35.0	32.0	33.5	32.4	30.6	36.1	36.7	42.3	49.2	51.8	60.1	65.8	68.9	52.8	84.9	30.6
Avg	76.1	77.9	80.7	81.8	83.7	80.1	71.9	61.6	50.3	45.0	42.3	39.3	37.9	37.4	37.3	37.8	39.3	41.5	44.2	51.0	58.7	64.5	68.4	72.4	57.6	87.1	31.6
Max	94.3	94.6	95.4	96.3	96.3	96.3	96.0	95.1	87.5	81.1	77.9	78.8	80.5	78.4	84.7	81.9	76.6	82.8	86.3	89.2	91.9	93.1	92.0	92.5	84.1	96.3	69.0
Min	37.8	48.4	53.4	52.7	56.3	52.6	47.5	38.8	34.0	27.9	26.2	26.5	20.6	20.1	16.5	16.4	18.6	20.7	20.6	27.2	30.9	31.7	28.7	34.9	41.8	69.3	16.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
April 2016

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.040	0.030	0.000	0.080	0.050	0.020	0.000	0.000	0.000	0.320	0.100
5	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010	0.000	0.040	0.030	0.050	0.050	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.220	0.050
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.120	0.100
13	0.000	0.000	0.030	0.020	0.000	0.020	0.010	0.030	0.040	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.190	0.040
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.010	0.030	0.030	0.000	0.000	0.020	0.010	0.010	0.010	0.020	0.010	0.210	0.060
15	0.030	0.020	0.010	0.010	0.010	0.000	0.010	0.020	0.010	0.010	0.020	0.030	0.030	0.030	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.260	0.030
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.090	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.190	0.100
24	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.030	0.020	0.040	0.040	0.010	0.020	0.040	0.060	0.050	0.090	0.050	0.090	0.140	0.070	0.240	0.180	0.130	0.000	0.100	0.060	0.030	0.010	0.040	0.010	1.550	0.000
Max	0.030	0.020	0.030	0.020	0.010	0.020	0.020	0.030	0.040	0.040	0.030	0.050	0.060	0.030	0.100	0.100	0.100	0.000	0.080	0.050	0.020	0.010	0.020	0.010	0.320	0.100

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
May 2016

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.010	0.060	0.030
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.010	0.010	0.010	0.020	0.020	0.010	0.010	0.020	0.010	0.000	0.010	0.010	0.000	0.010	0.170	0.020
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.030	0.010	0.000	0.010	0.020	0.000	0.010	0.010	0.120	0.030
16	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.210	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.240	0.210
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.460	0.090	0.050	0.120	0.770	0.460
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.320	0.190	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.540	0.320
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.010	0.060	0.000	0.010	0.010	0.000	0.000	0.010	0.000	0.000	0.000	0.110	0.060
24	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.130	0.030	0.000	0.000	0.000	0.090	0.010	0.000	0.000	0.270	0.130
26	0.010	0.000	0.000	0.000	0.000	0.010	0.030	0.000	0.000	0.000	0.000	0.000	0.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.000	0.000	0.190	0.070
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.020	0.000	0.010	0.020	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.120	0.050
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.010
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.010	0.000	0.000	0.000	0.000	0.030	0.030	0.010	0.030	0.070	0.010	0.360	0.270	0.290	0.120	0.180	0.100	0.050	0.020	0.060	0.610	0.180	0.060	0.170	2.660	0.000
Max	0.010	0.000	0.000	0.000	0.000	0.010	0.030	0.010	0.020	0.050	0.010	0.320	0.190	0.210	0.060	0.130	0.030	0.020	0.010	0.050	0.460	0.090	0.050	0.120	0.770	0.460

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
June 2016

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.020	0.000	0.000	0.000	0.000	0.000	0.080	0.060
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.010	0.010
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.130	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.160	0.130
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.050	0.050	0.010	0.000	0.000	0.000	0.160	0.050
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.060	0.000	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.140	0.060
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.100	0.080	0.040	0.170	0.450	0.170
16	0.110	0.040	0.050	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.240	0.110
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Au	Au	Au	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.090	0.050
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.110	0.040	0.050	0.030	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.050	0.060	0.050	0.080	0.130	0.110	0.100	0.110	0.110	0.080	0.040	0.170	1.330	0.000
Max	0.110	0.040	0.050	0.030	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.050	0.060	0.040	0.050	0.130	0.060	0.050	0.050	0.100	0.080	0.040	0.170	0.450	0.170

APPENDIX B: PERFORMANCE AUDIT REPORTS SECOND QUARTER 2016

BISON
ENGINEERING, INC.

PRELIMINARY METEOROLOGICAL AUDIT REPORT

Client : Tintina Resources
SITE : Black Butte DATE : 06/17/16

Audit Start Time : 8:50 MST Audit End Time : 12:00 MST

Temperature

Audit Device : Control Company Digital Thermometer
Model Number : 4000 Serial Number : 140251289
Last certified : 04/18/16
Sensor Make : Climatronics
Model Number : 100093 Serial Number Upper: P12535 Serial Number Lower: P12535

Temperature bath results as is

Audit Value oC	9m DAS Value oC	9m DAS Diff. oC	2m DAS Value oC	2m DAS Diff. oC	9m - 2m DAS Diff. oC
-10.00	-9.60	0.40	-9.20	0.80	0.40
25.00	24.90	-0.10	24.80	-0.20	-0.10
50.00	49.50	-0.50	49.30	-0.70	-0.20

Wind Direction

Alignment Audit Device : Nextar
Model Number : X3-T
Linearity Audit Device : Climatronics
Model Number : 101966 Serial Number : 72
Sensor height : 10 Meter
Sensor Make : Climatronics
Model Number : 102083 Serial Number : 1849

Crossarm Orientation : N-S
Magnetic Declination : 12
Measured Degrees : 1.5
Sensor response aligned with crossarm (as found) : 0.4
Sensor response aligned with crossarm (as left) : 0.0

Linearity Check from DAS (as found)

Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	0.4	0.3	0.4	0.3
30	33.0	32.9	3.0	2.9
60	62.0	61.8	2.0	1.8
90	91.6	91.4	1.6	1.4
120	122.8	122.5	2.8	2.5
150	152.0	151.7	2.0	1.7
180	181.9	181.4	1.9	1.4
210	211.4	211.1	1.4	1.1
240	241.3	240.8	1.3	0.8
270	270.3	270.6	0.3	0.6
300	301.0	300.8	1.0	0.8
330	330.8	330.5	0.8	0.5
		Max Diff	3.0	2.9

Linearity Check from DAS (as left)

Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	0.4	0.3	0.4	0.3
90	92	91	2.0	1.0
180	181	181	1.0	1.0
270	271	271	1.0	1.0
		Max Diff	2.0	1.0

Replaced sensor with SN P1336C

Wind Speed

Audit Device :	RMYoung		
Model Number :	18811	Serial Number :	CA02929
Last certified :	NA		
Sensor height :	10 Meter		
Sensor Make :	Climatronics		
Model Number :	102083	Serial Number :	1849

Synchronous motor checks

Known Value RPM	Audit Value MPS	DAS Station Value MPS	DAS Diff. MPS
0	0.2	0.2	0.0
300	6.7	6.7	0.0
600	13.1	13.0	-0.1
950	20.6	20.5	-0.1

Synchronous motor checks (as left)

Known Value RPM	Audit Value MPS	DAS Station Value MPS	DAS Diff. MPS
0	0.2	0.2	0.0
300	6.7	6.7	0.0
600	13.1	13.1	0.0
950	20.6	20.6	0.0

Relative Humidity

Audit Device :	Control company Hygometer		
Model Number :	4185	Serial Number :	61644981
Last certified :	4/14/16		
Sensor height :	10 Meter		
Sensor Make :	Met One		
Model Number :	083E-0-35	Serial Number :	P18245

Audit Dry-Bulb: oC	Audit Wet-Bulb oC	Audit Audit RH %RH	Audit Station RH %RH	Audit Diff %RH
58.0	49.0	31.0	38.0	7

Barometric Pressure

Audit Device :	Delta Cal		
Model Number :	Delta Cal	Serial Number :	999
Last certified :	04/26/16		
Sensor Make :	Climatronics		
Model Number :	102663-G0	Serial Number :	42017

Audit Value In Hg	Station Value In Hg	Audit Diff. In Hg
24.55	24.47	-0.08

Solar Radiation

Audit Device : Li Cor
Model Number : LI-200 Serial Number : PY82228
Last certified : 05/21/15 uA/m^2 : 98.51
Sensor Make : Met One
Model Number : 096-1 Serial Number : PY69829

Audit Value w/m2	DAS Station Value w/m2	DAS Diff. %
410	464	13.2

Precipitation

Audit Device : Fisher Scientific
Model Number : S32814A Serial Number : 250 ml
Last certified : NA
Sensor Make : Climatronics
Model Number : 100097-1-G0-H0 Serial Number : N3939
Opening : 8 Inch
Bucket Tip : 0.254 MM
Bucket Tip Volume : 8.24 ML
Level checked : OK
Wind Screen in place : OK

Known Value ML	Known Value Bucket Tips	Station Value Bucket Tips	% Diff
250.0	30	28	-7.7
250.0	30	28	-7.7

Signature Site Operator : _____

Signature Auditor : _____

Note: These preliminary results are subject to appropriate changes following verification of audit equipment,procedures,and calculations.

APPENDIX C: EVAPORATION AND PRECIPITATION SUMMARY, SECOND QUARTER 2016

EVAPORATION AND PRECIPITATION SUMMARY FOR TINTINA SITE

(All values in inches)

DATE	TIME	EVAPORATION AS-FOUND	EVAPORATION AS-LEFT	PRECIPITATION (MANUAL)	PRECIPITATION (AUTOMATED)	TOTAL EVAPORATION	NET EVAPORATION
4/1/2016	0900	No Data	No Data	0.00	0.00	No Data	No Data
4/6/2016	1220	No Data	No Data	0.38	0.54	No Data	No Data
4/18/2016	1315	No Data	No Data	0.68	0.78	No Data	No Data
4/27/2016	1300	No Data	No Data	0.26	0.20	No Data	No Data
		TOTAL FOR MAR 31 - APRIL 27		**1.32**	**1.52**	No Data	No Data

EVAPORATION AND PRECIPITATION SUMMARY FOR TINTINA SITE

(All values in inches)

DATE	TIME	EVAPORATION AS-FOUND	EVAPORATION AS-LEFT	PRECIPITATION (MANUAL)	PRECIPITATION (AUTOMATED)	TOTAL EVAPORATION	NET EVAPORATION
5/3/2016	0900	No Data	No Data	0.00	0.03	No Data	No Data
5/9/2016	1300	No Data	No Data	0.01	0.00	No Data	No Data
5/11/2016	1315	No Data	No Data	0.25	0.24	No Data	No Data
5/19/2016	0910	Start	3.500	0.20	0.13	No Data	No Data
5/25/2016	1000	4.652	3.500	1.78	1.68	0.628	-1.152
5/27/2016	1300	3.865	3.500	0.60	0.51	0.235	-0.365
6/1/2016	0950	2.826	2.826	0.15	0.10	0.824	0.674
		TOTAL PRECIPITATION FOR APRIL 27 - JUNE 1		**2.99**	**2.69**		

EVAPORATION AND PRECIPITATION SUMMARY FOR TINTINA SITE

(All values in inches)

DATE	TIME	EVAPORATION AS-FOUND	EVAPORATION AS-LEFT	PRECIPITATION (MANUAL)	PRECIPITATION (AUTOMATED)	TOTAL EVAPORATION	NET EVAPORATION
6/1/2016	0950		2.826				
6/6/2016	1420	1.742	3.500	0.00	0.00	1.084	1.084
6/8/2016	1300	3.150	3.150	0.09	0.08	0.440	0.350
6/10/2016	1015	2.898	2.898	0.17	0.17	0.422	0.252
6/16/2016	----	2.816	2.816	1.05	0.98	1.132	0.082
6/20/2016	1005	1.832	1.832	0.05	0.01	1.034	0.984
6/22/2016	1330	1.325	1.325	0.00	0.00	0.507	0.507
6/27/2016	0845	1.220	3.500	0.10	0.09	0.205	0.105
7/1/2016	0830	2.824	2.824	0.00	0.00	0.676	0.676
			TOTAL FOR JUNE 1 - JULY 1	1.46	1.33	5.50	4.04

TINTINA RESOURCES, INC.
BLACK BUTTE COPPER PROJECT AMBIENT AIR MONITORING PROGRAM
Quarterly Data Report
Third Quarter 2016

Prepared for:

Tintina Resources, Inc.
PO Box 431
White Sulphur Springs, MT 59645

Prepared by:

Bison Engineering, Inc.
2751 Enterprise Ave., Ste. 2
Billings, MT 59102
(406) 896-1716
http://www.bison-eng.com

November 15, 2016

CERTIFICATION OF DATA INTEGRITY

Bison Engineering, Inc., certifies the data in this report is an accurate summary of the ambient conditions measured at the Black Butte Copper Project air monitoring site. Every effort was made to obtain accurate and representative data and to comply with the procedures set forth in the project-specific *Quality Assurance Project Plan*, the *State of Montana Ambient Air Monitoring Program Quality Assurance Project Plan (April 2013)*, and the Environmental Protection Agency's *Quality Assurance Handbook for Air Pollution Measurement Systems: Volume I, A Field Guide to Environmental Quality Assurance (April 1994), Volume II, Ambient Air Quality Program (May 2013), and Volume IV, Meteorological Measurements (March 2008).*

Preparer: Jeffrey S. Bell

Signature:

Title: Senior Field Technician

Date: November 11, 2016

Reviewer: Steven R. Heck

Signature:

Title: Meteorologist

Date: November 11, 2016

TABLE OF CONTENTS

CERTIFICATION OF DATA INTEGRITY ii

1.0 INTRODUCTION 1

2.0 MONITORING SYSTEM OPERATIONS 3

3.0 CALIBRATION DATA 4

4.0 PERFORMANCE AUDIT DATA 5

5.0 DATA COMPLETENESS 6

6.0 MONITORING DATA 11

LIST OF TABLES

Table 1. Monthly Data Completeness 7
Table 2. Quarterly Data Completeness 10
Table 3. Missing Data Codes 12
Table 4. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 13
Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 14
Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 15
Table 7. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower 16

LIST OF FIGURES

Figure 1. Monitoring Site Location 2
Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower 17
Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower 18
Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower 19
Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower 20

APPENDICES

Appendix A: Meteorological Data
Appendix B: Performance Audit Reports
Appendix C: Evaporation and Precipitation Summary

1.0 INTRODUCTION

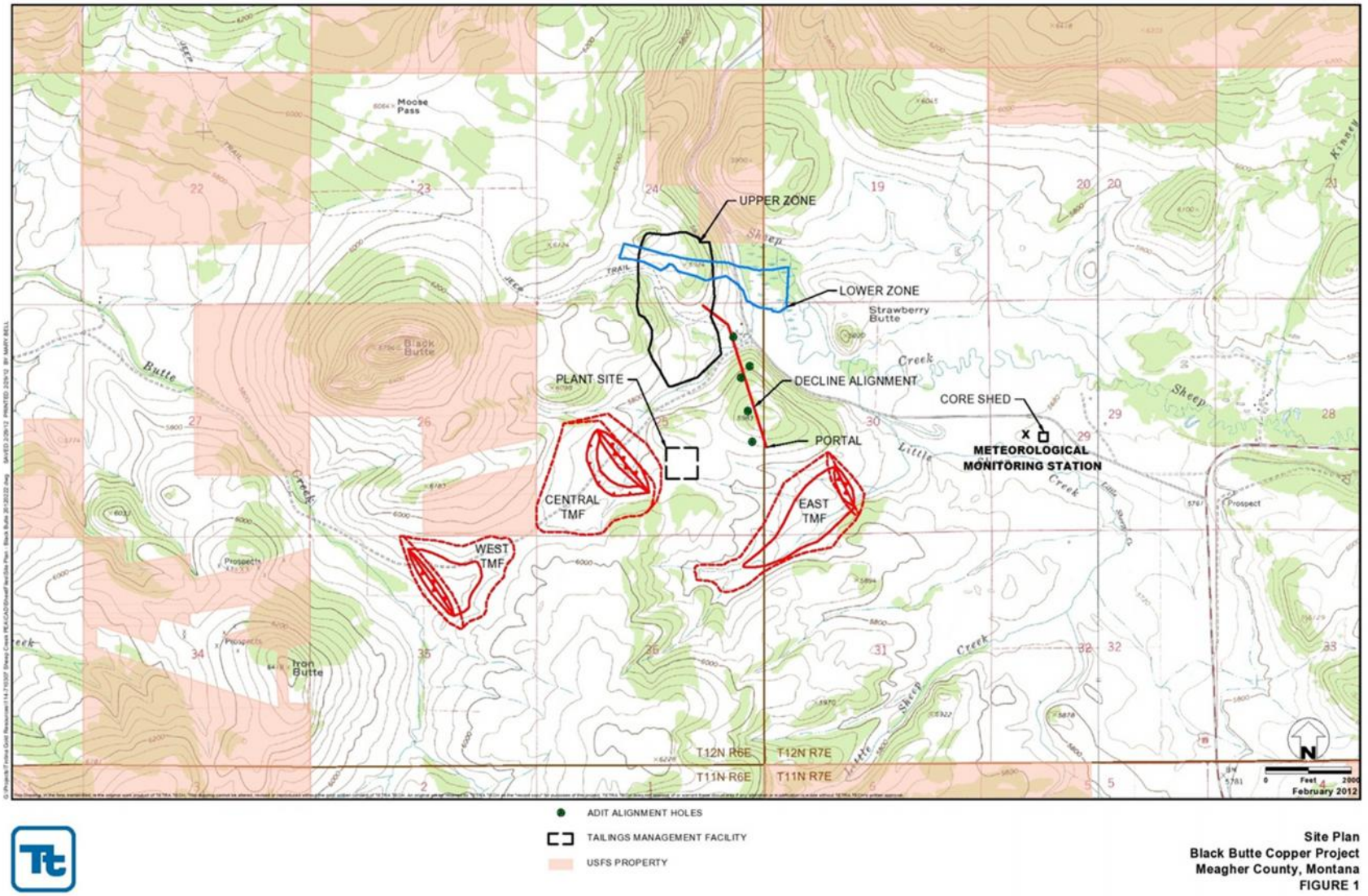
Tintina Resources, Inc. established an ambient air monitoring site to measure wind speed, wind direction, standard deviation of wind direction, temperature at 9 meters and 2 meters, delta temperature, solar radiation, barometric pressure, and precipitation. The station was established to accurately characterize the local meteorology and collect baseline data in support of an operating permit application and various environmental studies.

The meteorological monitoring system was installed in April 2012. The site is operated by Bison Engineering, Inc., of Helena and Billings. Figure 1 shows the location of the monitoring site.

This report presents the data collected during the third quarter (July through September) of 2016. In addition, a description of the monitoring system operations is presented, together with summaries of quality assurance activities, including calibrations and performance audits. Tabular summaries of the data completeness achieved and the periods of missing data also are presented. Appendix A presents the hourly meteorological data.

On June 23, 2015, an evaporation pan and manual precipitation gauge were installed adjacent to the existing meteorological system. The evaporation data will be used for hydrological / water balance studies. The manual rain gauge was installed to provide a backup data source for the existing automatic rain gauge, which has experienced occasional mechanical problems. Also, the automatic rain gauge is sometimes unreliable for measuring frozen precipitation.

Figure 1. Monitoring Site Location



2.0 MONITORING SYSTEM OPERATIONS

The installation of the monitoring meteorological system equipment took place in April 2012, soon after the equipment was received from the manufacturers. The installation and calibration of the equipment required about two weeks to complete. All meteorological sensors were in full operation and producing valid data by April 30, 2012.

Steve Heck of Bison conducted performance audits of the meteorological system on September 28, 2016 and made any necessary calibration adjustments to the meteorological system following the audits. The Bison report of the audits is presented in Appendix B.

Manual measurements of evaporation and precipitation were recorded by Tintina's on-site personnel two to three times per week.

3.0 CALIBRATION DATA

As discussed in Section 4.0, the system's as-found condition was audited on September 28, 2016. All results were acceptable and no calibration adjustments were required. However, both aspirator fans (which draw ambient air past the temperature sensors) were replaced as preventive maintenance. Appendix B presents the calibration results.

4.0 PERFORMANCE AUDIT DATA

Steve Heck of Bison conducted performance audits of the meteorological system on September 28, 2016. No calibration adjustments were made to the system based on those results. The Bison report of the audits is presented in Appendix B.

5.0 DATA COMPLETENESS

The meteorological percentages of data recovery achieved during the third quarter of 2016 are given in Tables 1 and 2. In these tables, the number of possible data values during each month of the quarter is given, together with the number of valid readings and the number of hours spent on quality assurance activities (such as calibrations, performance audits, and maintenance on the sensors). The quality assurance hours are added to the number of hours of valid data to compute the net percentage data recovery.

During the third quarter the net percentage data recovery was 100.0 percent for all parameters at the site.

Table 1. Monthly Data Completeness

July 2016					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	744	100.0	0	100.0
Wind Direction	744	744	100.0	0	100.0
Standard Deviation	744	744	100.0	0	100.0
Temperature 9 Meters	744	744	100.0	0	100.0
Temperature 2 Meters	744	744	100.0	0	100.0
Temperature Delta T	744	744	100.0	0	100.0
Solar Radiation	744	744	100.0	0	100.0
Barometric Pressure	744	744	100.0	0	100.0
Relative Humidity	744	744	100.0	0	100.0
Precipitation	744	744	100.0	0	100.0
Total	7,440	7,440	100.0	0	100.0

Table 1. Monthly Data Completeness (Continued)

August 2016					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	744	100.0	0	100.0
Wind Direction	744	744	100.0	0	100.0
Standard Deviation	744	744	100.0	0	100.0
Temperature 9 Meters	744	744	100.0	0	100.0
Temperature 2 Meters	744	744	100.0	0	100.0
Temperature Delta T	744	744	100.0	0	100.0
Solar Radiation	744	744	100.0	0	100.0
Barometric Pressure	744	744	100.0	0	100.0
Relative Humidity	744	744	100.0	0	100.0
Precipitation	744	744	100.0	0	100.0
Total	7,440	7,440	100.0	0	100.0

Table 1. Monthly Data Completeness (Continued)

September 2016					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	720	715	99.3	5	100.0
Wind Direction	720	715	99.3	5	100.0
Standard Deviation	720	715	99.3	5	100.0
Temperature 9 Meters	720	715	99.3	5	100.0
Temperature 2 Meters	720	715	99.3	5	100.0
Temperature Delta T	720	715	99.3	5	100.0
Solar Radiation	720	715	99.3	5	100.0
Barometric Pressure	720	715	99.3	5	100.0
Relative Humidity	720	715	99.3	5	100.0
Precipitation	720	715	99.3	5	100.0
Total	7,200	7,150	99.3	50	100.0

Table 2. Quarterly Data Completeness

Third Quarter 2016					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	2,208	2,203	99.8	5	100.0
Wind Direction	2,208	2,203	99.8	5	100.0
Standard Deviation	2,208	2,203	99.8	5	100.0
Temperature 9 Meters	2,208	2,203	99.8	5	100.0
Temperature 2 Meters	2,208	2,203	99.8	5	100.0
Temperature Delta T	2,208	2,203	99.8	5	100.0
Solar Radiation	2,208	2,203	99.8	5	100.0
Barometric Pressure	2,208	2,203	99.8	5	100.0
Relative Humidity	2,208	2,203	99.8	5	100.0
Precipitation	2,208	2,203	99.8	5	100.0
Total	22,080	22,030	99.8	50	100.0

6.0 MONITORING DATA

The hourly data values collected at the monitoring sites are given in the data tables in Appendix A. Each of these tables presents one month's data for one parameter in the monitoring system. In addition, the average, maximum, and minimum values for each parameter for each day are listed (for wind direction, the prevailing wind direction for the day is given). For those hours with missing data, a code is given that explains the reason the data were missing. These codes are given in Table 3.

Monthly and quarterly wind rose distributions from the monitoring site are presented in Tables 4 through 7. These tables give the percentage frequency of occurrence of winds from 16 cardinal directions and from 22 wind speed ranges. These same data are presented graphically in Figures 2 through 5. In the wind rose figures, the length of each "petal" of the rose is proportional to the percentage of time the wind blew from that direction. On the bottom of each figure is a histogram showing the average wind speed from each of the cardinal wind directions.

A separate compilation of data collected from the evaporation pan and manual rain gauge is presented in Appendix C. For comparison purposes, the precipitation amounts reported by the automatic rain gauge over the same time periods are provided. Overall, the precipitation amounts obtained from the manual gauge were similar to those reported by the automated rain gauge.

Table 3. Missing Data Codes

Mnemonic Code	Description	Equivalent EPA Null Value Reason Code
Sc	Scheduled but not collected	9972
Ti	Sample time out of limits	9973
Fi	Filter damage	9976
Op	Voided by operator	9978
ND	Machine malfunction	9980
Wx	Bad weather	9981
Co	Collection error	9983
Lb	Lab error	9984
QA	Poor quality assurance results	9985
Pwr	Power failure	9988
Wi	Wildlife damage	9989
AZ	Automatic zero/span check	9991
ZS	Manual zero/span check	9986
Au	Performance audit	9992
Ma	Routine maintenance/repairs	9993
Ca	Multipoint calibration	9995
PZ	Precision/zero/span	9998

Table 4. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

July 2016																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.7	1.6	1.1	1.7	0.3	1.5	0.8	0.5	0.3	0.4	0.4	0.1	0.5	0.1	0.8	1.1	12.0
	1.1 - 2.0	1.2	0.9	3.4	2.8	4.3	4.8	3.5	1.3	0.5	0.4	0.5	0.0	0.1	1.1	0.4	1.2	26.6
	2.1 - 3.0	0.4	0.1	0.3	2.2	3.8	1.5	0.9	0.7	0.3	0.3	0.3	0.7	1.1	1.5	1.9	1.6	17.3
	3.1 - 4.0	0.3	0.0	0.3	0.5	1.3	0.4	0.5	0.5	0.7	0.0	0.0	0.9	2.2	3.1	1.6	0.8	13.2
	4.1 - 5.0	0.1	0.4	0.1	0.1	0.4	0.0	0.5	0.3	0.1	0.3	0.4	0.9	4.3	2.7	1.7	0.1	12.6
	5.1 - 6.0	0.1	0.1	0.0	0.0	0.1	0.0	0.4	0.7	0.0	0.1	0.5	1.5	2.2	1.6	0.9	0.3	8.6
	6.1 - 7.0	0.0	0.1	0.0	0.0	0.0	0.0	0.4	0.8	0.0	0.1	0.0	0.5	1.2	0.5	1.1	0.1	5.0
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.1	0.0	0.1	1.5	0.8	0.4	0.0	3.4
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.5	0.1	0.4	0.0	1.3
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	2.8	3.4	5.1	7.4	10.2	8.2	7.5	5.0	1.9	1.7	2.2	5.0	13.6	11.6	9.3	5.2	100.0
	Average Speed	2.0	1.9	1.6	1.8	2.3	1.7	2.7	3.5	2.5	3.2	3.1	4.7	4.9	4.2	4.1	2.4	3.2

Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

August 2016																	
Direction>>>		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.6	1.5	1.2	1.3	2.2	1.1	0.5	0.4	0.3	0.0	0.0	0.3	0.1	0.0	1.1	0.9	12.5
	1.1 - 2.0	0.9	1.5	2.3	3.5	5.0	4.0	3.6	1.7	0.7	0.4	0.4	0.0	0.5	1.3	1.3	1.1	28.4
	2.1 - 3.0	0.7	0.8	0.7	1.5	3.2	1.1	1.1	0.4	0.0	0.3	0.4	0.9	1.3	1.7	2.7	0.7	17.5
	3.1 - 4.0	0.9	0.4	0.5	1.5	1.1	0.7	0.5	0.7	0.4	0.1	0.0	0.5	1.7	1.6	2.4	1.3	14.5
	4.1 - 5.0	0.4	0.4	0.3	0.4	0.3	0.3	0.8	0.3	0.3	0.4	0.1	0.5	1.9	2.0	1.5	0.7	10.5
	5.1 - 6.0	0.5	0.4	0.0	0.1	0.0	0.1	0.8	0.1	0.1	0.3	0.1	0.4	0.9	0.9	1.1	0.8	6.9
	6.1 - 7.0	0.3	0.1	0.0	0.1	0.0	0.0	0.7	0.4	0.0	0.0	0.0	0.3	1.1	1.1	0.4	0.1	4.6
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.0	0.0	0.0	0.8	1.1	0.7	0.3	0.1	3.6
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.1	0.0	0.0	0.7
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.0	0.0	0.8
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm																		0.0
Total		5.4	5.1	5.0	8.5	11.7	7.3	8.5	4.3	1.7	1.5	1.2	4.0	9.4	9.9	10.8	5.8	100.0
Average Speed		2.6	2.3	1.8	2.2	1.9	1.9	3.1	3.1	2.7	3.4	3.4	4.8	4.8	4.3	3.3	3.1	3.1

Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

September 2016																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.4	1.1	1.7	1.1	0.8	0.8	1.7	1.1	0.6	0.3	0.1	0.4	0.3	0.3	0.3	0.6	12.6
	1.1 - 2.0	1.0	0.7	1.8	2.7	4.1	4.9	4.5	1.7	0.7	0.7	1.1	1.1	1.1	1.3	1.1	0.8	29.2
	2.1 - 3.0	0.3	0.1	0.8	1.7	3.1	1.3	1.3	0.7	0.1	0.6	0.4	0.7	1.0	1.1	1.3	0.8	15.2
	3.1 - 4.0	0.3	0.6	0.1	0.4	0.7	0.6	0.3	1.1	0.1	0.3	0.7	0.8	1.4	2.2	1.5	1.3	12.4
	4.1 - 5.0	0.3	0.6	0.1	0.1	0.4	0.0	0.0	0.6	0.0	0.4	0.3	1.0	3.2	2.4	1.3	0.4	11.0
	5.1 - 6.0	0.3	0.6	0.0	0.0	0.0	0.0	0.4	1.3	0.1	0.3	0.6	1.4	1.3	0.8	0.7	0.3	8.0
	6.1 - 7.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.1	0.0	0.1	0.6	1.1	0.8	0.8	0.0	4.5
	7.1 - 8.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.0	0.1	2.0	0.4	0.0	0.0	3.1
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.4	0.8	0.0	2.4
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.1	0.3	0.0	0.8
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.6
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	3.8	3.6	4.6	6.0	9.1	7.6	8.4	7.1	1.8	2.7	3.4	6.7	13.0	9.9	8.1	4.2	100.0
	Average Speed	2.4	2.7	1.6	1.8	2.1	1.7	1.9	3.4	2.2	3.1	3.2	4.3	5.3	4.2	4.4	2.8	3.2

Table 7. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower

Third Quarter 2016																	
Direction>>>		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.2	1.4	1.3	1.4	1.1	1.1	1.0	0.7	0.4	0.2	0.2	0.3	0.3	0.1	0.7	0.9	12.3
	1.1 - 2.0	1.0	1.0	2.5	3.0	4.4	4.6	3.9	1.6	0.6	0.5	0.7	0.4	0.6	1.2	1.0	1.0	28.1
	2.1 - 3.0	0.5	0.4	0.6	1.8	3.4	1.3	1.1	0.6	0.1	0.4	0.4	0.8	1.1	1.5	2.0	1.0	16.7
	3.1 - 4.0	0.5	0.3	0.3	0.8	1.0	0.5	0.5	0.8	0.4	0.1	0.2	0.8	1.8	2.3	1.9	1.1	13.4
	4.1 - 5.0	0.3	0.5	0.2	0.2	0.4	0.1	0.5	0.4	0.1	0.4	0.3	0.8	3.1	2.4	1.5	0.4	11.4
	5.1 - 6.0	0.3	0.4	0.0	0.0	0.0	0.0	0.5	0.7	0.1	0.2	0.4	1.1	1.5	1.1	0.9	0.5	7.8
	6.1 - 7.0	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.5	1.1	0.8	0.8	0.1	4.7
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.1	0.0	0.4	1.5	0.6	0.2	0.0	3.4
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.2	0.4	0.0	1.5
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.1	0.0	0.5
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm																		0.0
Total		4.0	4.0	4.9	7.3	10.3	7.7	8.1	5.4	1.8	2.0	2.2	5.2	12.0	10.5	9.4	5.1	100.0
Average Speed		2.4	2.3	1.7	2.0	2.1	1.8	2.6	3.3	2.5	3.2	3.2	4.6	5.0	4.2	3.9	2.8	3.1

Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower

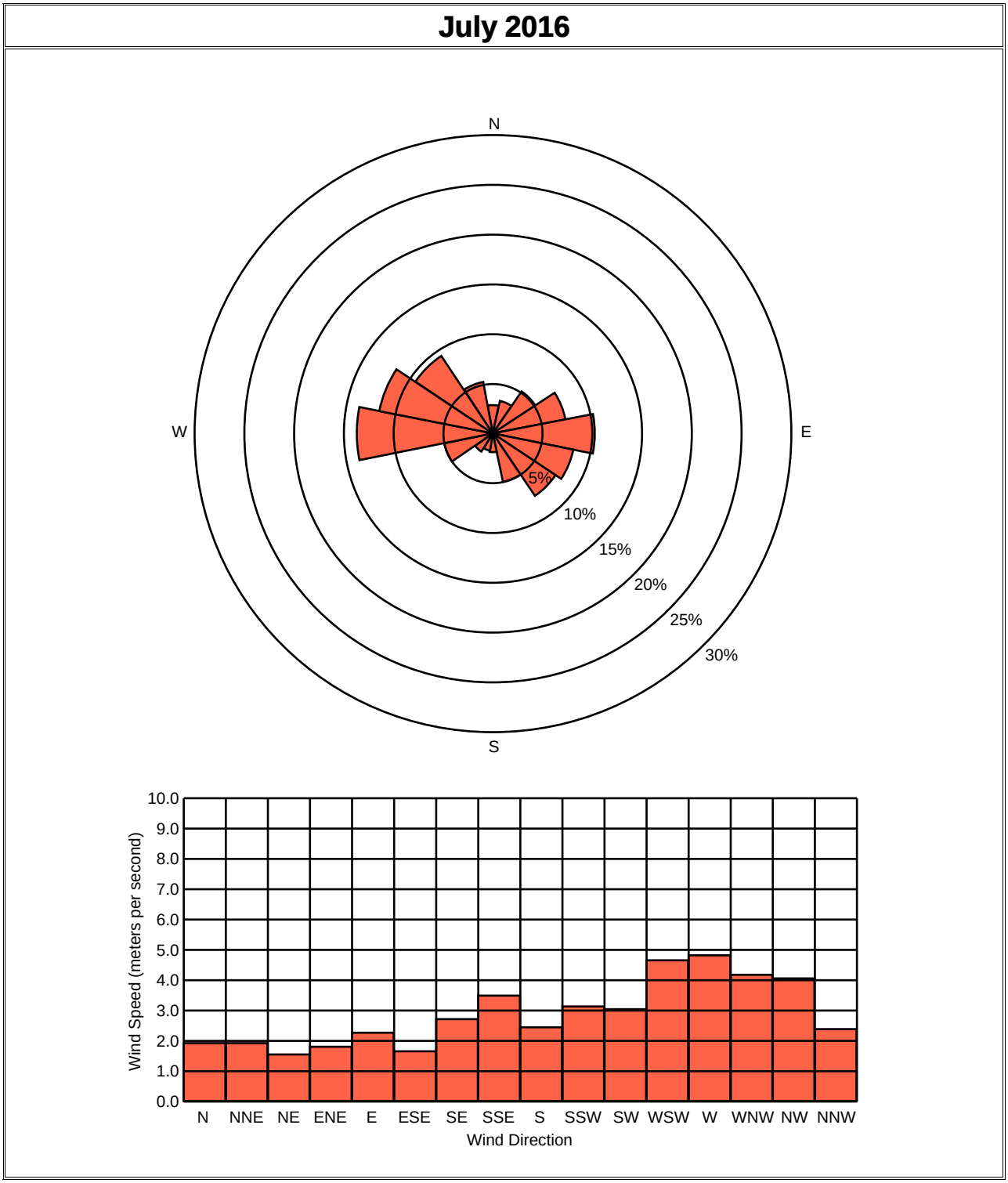


Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower

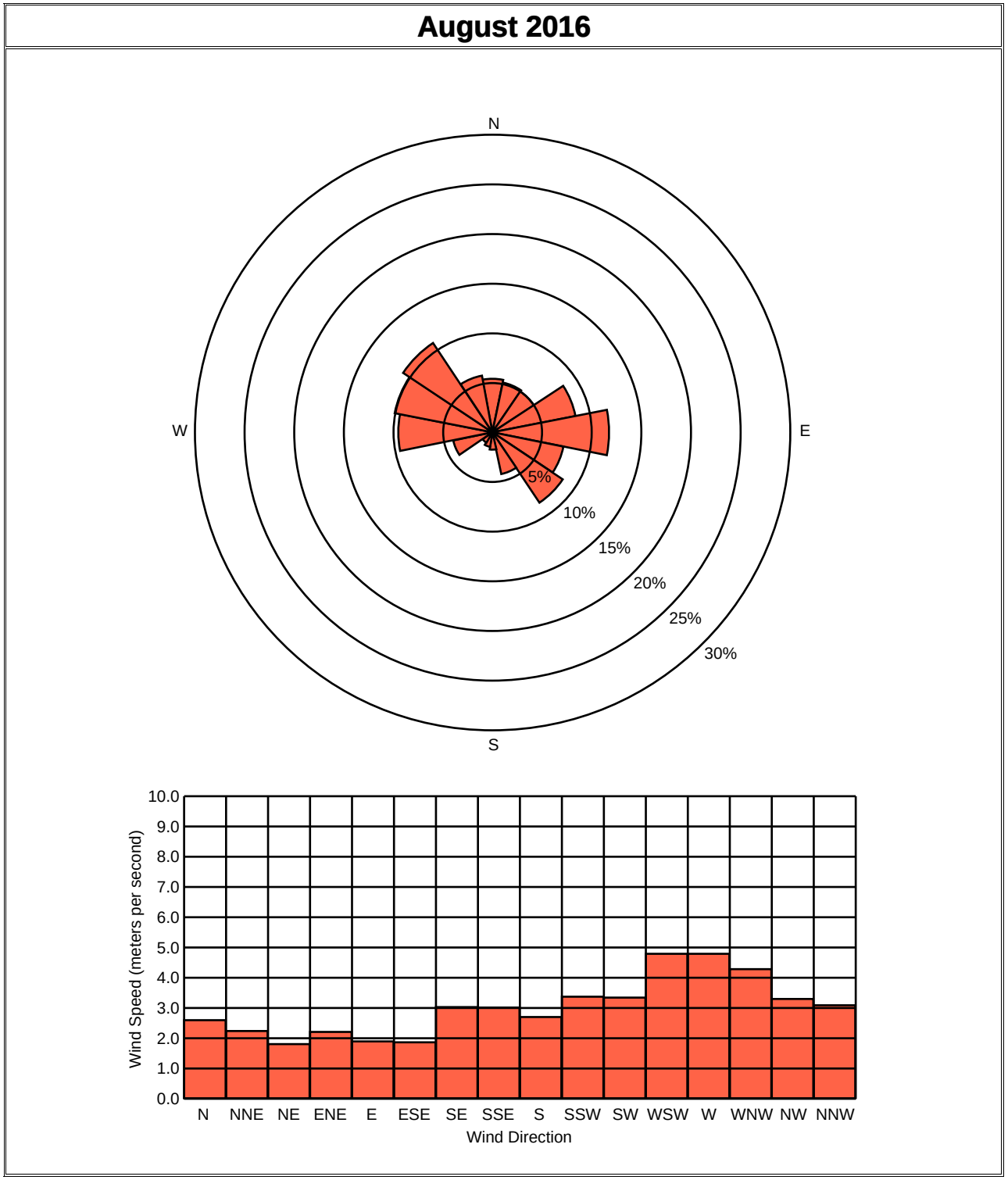


Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower

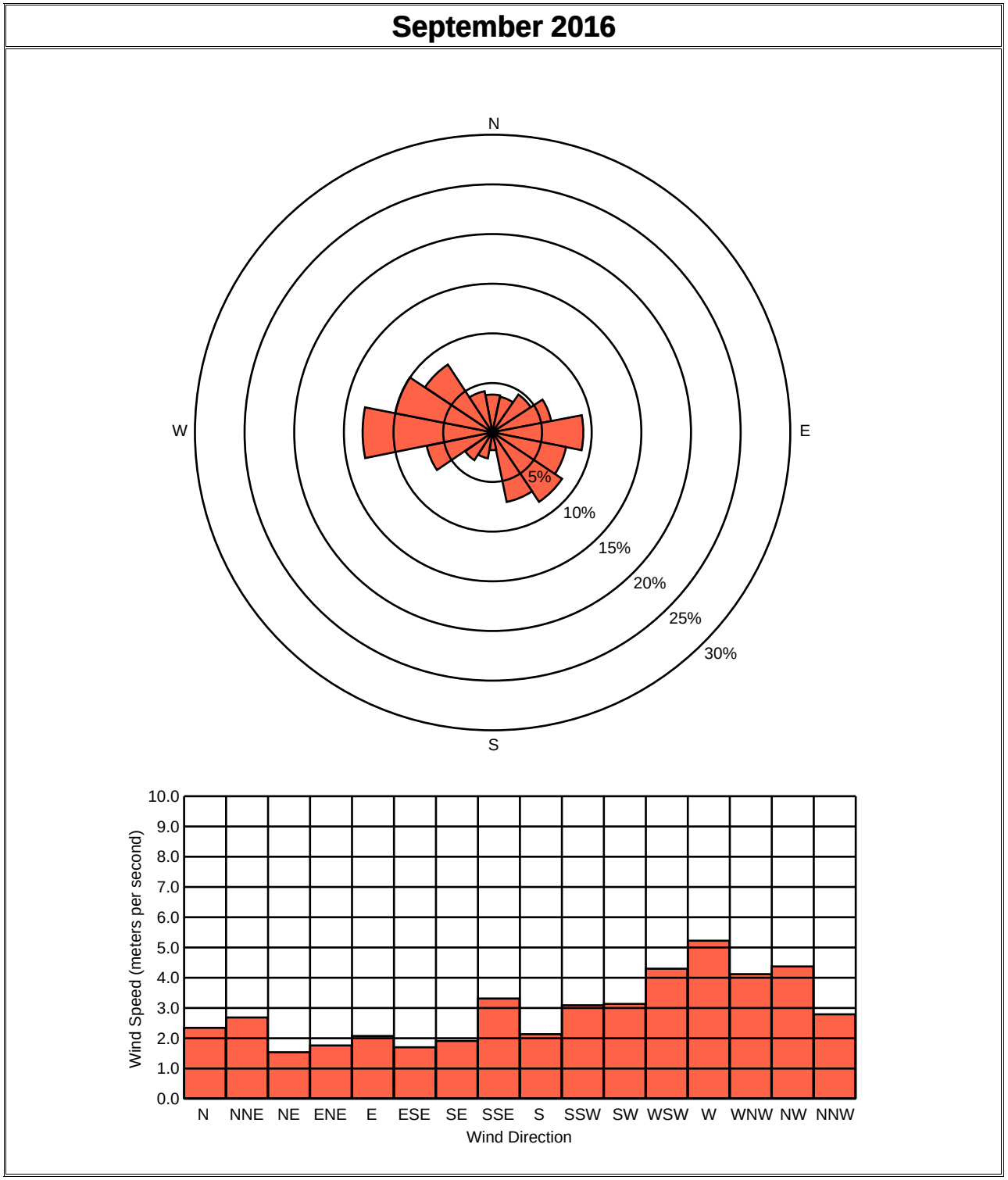
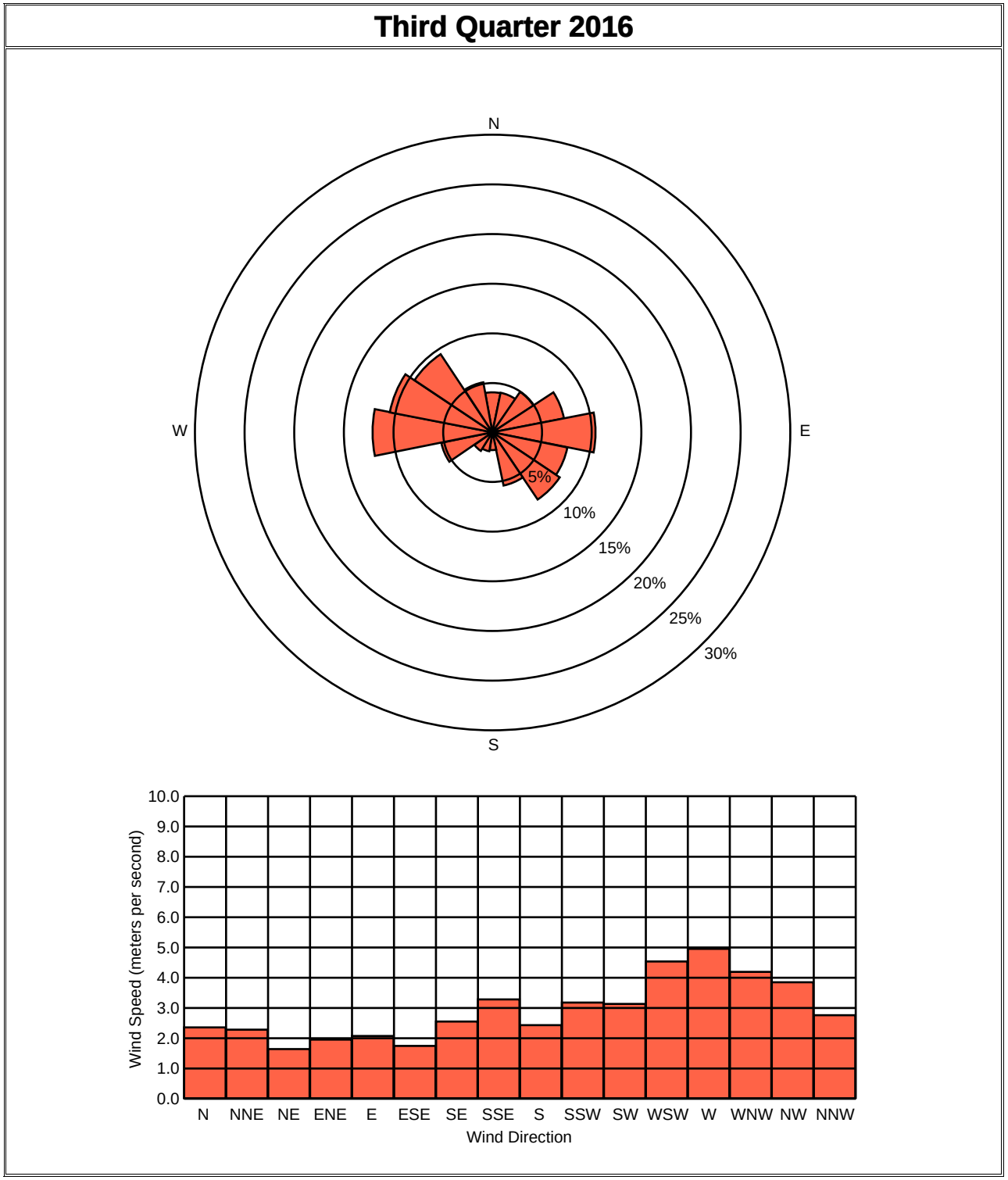


Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower



APPENDIX A: HOURLY AIR QUALITY AND METEOROLOGICAL DATA, THIRD QUARTER 2016

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
July 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.7	2.6	1.8	2.5	2.0	1.3	0.9	0.7	2.0	3.1	2.8	3.8	3.1	4.2	4.5	4.6	2.7	2.4	1.3	2.5	3.0	1.1	2.9	1.6	2.5	4.6	0.7
2	1.5	0.8	1.1	1.3	1.6	1.3	0.8	0.9	1.0	3.5	4.8	3.7	5.4	5.9	4.4	3.7	4.1	3.9	5.1	5.8	3.5	7.3	3.9	1.7	3.2	7.3	0.8
3	1.9	2.0	2.3	1.8	1.3	1.4	0.9	1.1	5.5	7.4	8.3	8.7	7.5	7.4	7.7	7.5	8.6	8.0	7.2	5.8	6.5	3.6	3.1	1.8	4.9	8.7	0.9
4	1.5	1.4	2.2	1.8	1.6	0.9	0.7	0.7	4.1	5.0	6.0	5.1	6.8	6.1	6.4	6.8	7.1	7.7	8.2	7.0	5.5	3.5	2.3	3.6	4.2	8.2	0.7
5	1.1	2.9	2.2	1.8	1.5	0.9	1.2	3.6	6.1	5.0	4.3	4.8	4.4	4.6	4.8	3.2	3.5	3.5	3.8	4.0	1.5	1.6	1.4	1.1	3.0	6.1	0.9
6	1.1	0.8	1.1	1.0	1.2	1.0	1.5	2.1	2.1	2.8	4.9	5.0	8.9	6.6	4.3	6.1	8.7	8.9	7.1	5.6	2.6	1.2	1.9	2.3	3.7	8.9	0.8
7	1.6	1.9	1.5	1.7	1.6	1.0	1.0	1.7	4.5	3.9	4.0	4.0	4.5	4.1	2.7	2.9	3.2	2.1	2.2	1.9	1.6	2.5	2.5	2.1	2.5	4.5	1.0
8	0.9	1.1	0.9	0.9	1.0	0.9	0.7	0.9	3.7	4.3	3.5	5.1	5.9	4.1	3.3	4.9	4.6	3.0	4.8	2.0	2.7	3.1	1.2	1.1	2.7	5.9	0.7
9	1.1	1.0	1.3	1.0	0.7	0.5	0.7	0.7	1.2	2.8	4.1	4.0	3.7	4.7	5.4	5.7	4.6	1.3	2.2	2.7	2.8	1.5	1.3	2.2	2.4	5.7	0.5
10	2.1	1.7	1.9	1.5	1.6	1.2	1.1	0.9	0.8	1.2	2.1	2.8	2.5	3.3	6.3	4.2	1.6	2.3	2.0	2.1	1.8	1.3	3.1	3.3	2.2	6.3	0.8
11	1.7	4.7	5.7	5.1	5.0	7.2	6.0	5.1	5.4	4.4	5.1	6.2	7.3	7.9	7.3	8.7	8.7	7.5	6.2	6.3	2.6	4.5	2.7	2.5	5.6	8.7	1.7
12	2.5	2.6	2.3	2.1	1.9	1.1	0.8	1.2	3.8	4.0	4.4	4.8	5.6	5.0	5.7	5.4	5.2	5.6	5.4	3.9	5.1	2.5	1.8	1.4	3.5	5.7	0.8
13	1.7	1.5	1.9	2.0	2.0	1.4	1.4	2.5	3.5	4.2	4.8	3.6	2.2	3.1	2.7	2.2	4.9	5.0	3.5	3.8	3.2	3.9	3.7	1.9	2.9	5.0	1.4
14	2.4	2.4	1.6	1.4	1.6	1.6	0.9	0.8	2.8	5.0	3.4	3.7	3.8	4.5	4.4	3.4	2.8	2.3	2.1	1.5	1.2	1.7	1.3	1.0	2.4	5.0	0.8
15	1.3	2.1	3.7	2.1	1.3	1.1	1.3	4.3	6.2	7.0	6.9	5.8	5.0	5.4	5.7	6.2	4.6	3.0	3.8	3.6	3.1	2.9	2.0	3.7	3.8	7.0	1.1
16	2.1	1.5	2.7	1.5	2.5	1.2	1.4	2.1	3.4	4.0	5.7	4.3	3.6	4.1	3.8	2.1	4.2	3.6	3.3	1.6	1.3	1.6	1.3	1.1	2.7	5.7	1.1
17	1.0	0.6	0.9	0.6	0.9	0.7	0.7	2.6	5.7	6.1	4.2	2.8	3.4	2.1	2.8	2.4	2.9	4.7	4.2	4.4	3.9	1.8	2.3	1.4	2.6	6.1	0.6
18	1.0	1.8	2.5	2.8	2.6	2.1	3.0	5.5	7.0	7.8	6.8	6.0	6.0	5.7	6.4	7.1	7.6	8.6	6.2	2.5	1.1	1.6	1.6	1.3	4.4	8.6	1.0
19	1.2	1.6	1.7	1.7	1.7	1.3	1.5	0.7	0.9	3.6	3.5	4.7	4.5	5.4	5.2	5.8	4.7	5.3	5.2	5.4	3.4	2.6	1.6	1.6	3.1	5.8	0.7
20	2.3	1.6	1.3	1.0	1.4	1.7	1.0	1.3	1.7	3.5	1.5	5.0	6.7	7.2	6.4	5.1	4.4	2.6	2.8	3.9	1.2	1.4	1.3	1.2	2.8	7.2	1.0
21	1.0	0.7	0.6	1.0	1.0	1.4	0.7	0.7	0.8	2.0	4.0	4.9	5.5	5.3	4.7	3.0	3.0	1.9	2.0	1.4	3.4	2.1	1.4	1.6	2.3	5.5	0.6
22	2.4	1.3	1.6	1.8	1.4	1.0	0.6	1.8	3.6	3.7	3.9	6.8	4.5	6.1	7.5	2.9	3.3	6.6	7.0	7.1	6.6	7.0	5.8	4.6	4.1	7.5	0.6
23	5.9	5.0	6.8	5.0	4.1	2.3	5.4	7.6	7.7	5.1	5.0	5.1	4.2	4.8	4.1	4.2	3.5	4.5	4.9	3.5	2.1	2.1	2.6	2.2	4.5	7.7	2.1
24	2.0	1.7	1.0	1.4	1.0	0.7	1.1	0.9	2.4	2.7	4.5	5.0	4.6	4.8	3.7	4.5	4.9	3.6	2.4	1.8	2.4	2.3	2.4	1.5	2.6	5.0	0.7
25	1.3	0.9	1.0	0.7	1.2	0.7	0.6	0.8	0.8	2.1	2.8	2.6	3.2	2.9	3.0	3.3	6.3	3.8	3.6	3.3	5.5	2.8	2.2	1.9	2.4	6.3	0.6
26	1.0	1.6	1.0	1.2	1.4	1.0	1.2	0.8	0.9	1.1	2.3	3.6	2.9	2.9	2.8	4.6	5.9	3.6	4.6	5.7	3.5	3.3	2.0	1.4	2.5	5.9	0.8
27	1.4	1.5	1.5	1.3	1.2	0.7	1.1	0.7	0.8	3.0	3.6	4.0	4.3	4.6	4.1	4.8	5.3	5.0	2.4	1.7	2.7	1.1	1.5	1.7	2.5	5.3	0.7
28	1.3	1.4	1.3	1.0	1.5	0.9	1.1	0.8	0.9	1.9	2.6	3.3	3.7	5.0	4.0	4.0	4.3	2.9	2.6	2.4	4.1	5.2	1.9	1.4	2.5	5.2	0.8
29	1.6	1.5	1.8	1.2	0.9	1.0	1.1	0.8	0.9	1.4	2.8	4.0	4.1	5.1	3.5	2.4	2.3	1.6	4.8	3.4	3.2	3.2	2.9	2.7	2.4	5.1	0.8
30	2.7	2.8	1.0	1.8	1.9	1.8	1.6	0.8	1.7	3.4	4.7	4.7	6.0	6.5	5.2	4.8	4.8	5.3	3.5	1.5	2.9	2.6	2.1	2.0	3.2	6.5	0.8
31	1.9	1.7	1.0	1.3	1.2	1.2	0.9	0.8	1.4	2.8	5.2	5.9	6.9	6.8	7.1	6.9	6.2	5.3	5.9	5.2	3.2	2.2	2.7	1.5	3.6	7.1	0.8
Avg	1.7	1.8	1.9	1.7	1.7	1.4	1.4	1.8	3.0	3.8	4.3	4.6	4.9	5.0	4.8	4.6	4.8	4.4	4.2	3.7	3.1	2.7	2.3	1.9	3.2	6.4	0.9
Max	5.9	5.0	6.8	5.1	5.0	7.2	6.0	7.6	7.7	7.8	8.3	8.7	8.9	7.9	7.7	8.7	8.7	8.9	8.2	7.1	6.6	7.3	5.8	4.6	5.6	8.9	2.1
Min	0.9	0.6	0.6	0.6	0.7	0.5	0.6	0.7	0.8	1.1	1.5	2.6	2.2	2.1	2.7	2.1	1.6	1.3	1.3	1.4	1.1	1.1	1.2	1.0	2.2	4.5	0.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
August 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.3	1.3	1.3	1.0	0.7	0.6	0.8	0.7	1.9	3.0	4.5	4.5	4.4	4.1	4.7	3.9	3.0	3.0	2.3	1.7	3.8	1.8	1.3	2.5	2.4	4.7	0.6
2	3.1	1.8	0.9	0.8	0.7	0.7	0.8	0.9	1.0	2.6	2.4	2.4	2.3	3.3	5.1	5.5	5.2	3.1	4.2	4.0	3.4	1.9	2.5	1.2	2.5	5.5	0.7
3	2.7	3.5	1.5	1.6	1.7	5.2	5.6	6.1	6.3	6.6	7.4	7.8	9.2	9.5	10.1	9.4	9.1	7.4	7.2	5.5	3.4	2.8	2.0	1.5	5.5	10.1	1.5
4	1.9	1.5	1.4	1.4	0.7	0.8	0.5	0.6	1.1	2.1	1.8	2.3	2.1	2.6	3.4	2.9	3.6	2.9	2.7	2.6	1.5	2.2	1.9	2.9	2.0	3.6	0.5
5	3.3	3.4	2.7	1.3	1.2	2.2	0.9	1.5	4.5	6.6	7.8	7.5	7.8	6.5	4.4	5.9	5.7	3.7	2.9	2.5	1.5	1.3	3.6	5.2	3.9	7.8	0.9
6	2.2	1.8	1.4	1.7	3.5	6.1	4.4	4.9	5.5	4.2	3.6	3.5	6.8	4.7	3.8	4.7	8.3	4.4	4.5	3.1	2.9	1.9	1.8	1.8	3.8	8.3	1.4
7	1.6	1.3	1.3	1.1	1.2	1.2	1.4	1.0	2.8	2.9	1.6	1.7	3.8	6.1	7.2	8.0	6.7	6.9	6.1	3.9	3.6	1.7	1.7	2.0	3.2	8.0	1.0
8	1.4	1.8	1.3	1.3	1.1	0.9	1.2	1.0	1.3	1.6	2.3	3.8	4.7	4.8	3.8	5.1	5.2	3.7	4.1	4.2	3.1	4.0	5.1	1.7	2.9	5.2	0.9
9	1.3	1.5	1.3	2.0	2.5	2.1	2.0	2.3	4.3	6.4	5.9	5.0	4.5	4.4	3.6	5.4	6.1	4.3	6.6	5.2	4.9	4.6	4.5	4.5	4.0	6.6	1.3
10	5.6	2.1	2.7	2.1	2.1	2.0	1.0	2.1	6.3	7.0	7.9	8.3	8.2	7.4	7.8	8.3	7.6	7.2	5.6	3.9	2.8	2.6	2.5	2.0	4.8	8.3	1.0
11	1.8	1.7	1.5	1.3	1.0	1.1	1.0	0.9	1.6	2.9	3.1	3.5	4.6	4.1	5.7	4.6	4.5	4.8	3.8	1.9	2.7	2.9	3.0	1.9	2.7	5.7	0.9
12	1.5	0.9	0.9	0.9	1.2	0.6	0.7	0.7	1.6	3.6	5.0	5.2	5.7	5.1	5.3	2.4	7.6	1.9	3.2	2.1	1.6	1.4	1.0	1.4	2.6	7.6	0.6
13	1.2	1.7	1.5	1.7	1.8	1.1	0.9	0.7	0.9	1.6	2.9	3.3	3.9	3.6	2.8	2.9	1.9	2.1	1.2	2.9	2.5	2.8	1.1	0.7	2.0	3.9	0.7
14	0.9	0.8	0.5	0.8	1.0	1.1	0.8	0.6	1.0	4.2	3.8	3.6	4.4	4.5	4.2	4.0	3.1	2.8	3.9	3.3	2.5	3.3	2.1	1.2	2.4	4.5	0.5
15	1.4	0.9	0.7	1.1	1.1	1.2	0.6	0.5	1.9	3.5	4.3	4.1	3.6	3.1	5.0	5.1	4.4	3.9	5.1	2.6	1.4	1.8	1.5	1.6	2.5	5.1	0.5
16	1.6	1.1	1.3	1.1	1.0	1.2	0.9	0.6	0.7	1.8	2.4	3.6	3.1	3.3	3.5	3.8	3.7	3.4	1.6	2.0	3.0	2.3	1.3	1.2	2.1	3.8	0.6
17	0.8	0.8	0.8	1.0	0.9	0.9	1.1	0.7	0.9	1.6	2.3	2.9	3.9	4.2	5.1	4.2	5.5	6.3	3.6	2.1	1.2	1.2	1.3	1.6	2.3	6.3	0.7
18	1.5	1.4	2.5	3.4	2.6	4.5	4.4	2.2	2.6	3.6	3.7	5.2	5.2	5.0	2.9	2.6	1.8	3.2	3.4	4.9	4.2	5.8	3.8	3.5	3.5	5.8	1.4
19	4.0	3.4	2.7	3.3	3.5	3.1	3.2	2.6	3.9	4.4	5.0	3.6	3.9	4.1	3.5	2.8	2.9	3.0	1.3	1.4	2.6	3.2	2.4	2.6	3.2	5.0	1.3
20	2.7	2.0	1.6	1.5	1.2	0.8	0.7	0.6	0.8	1.9	2.5	2.6	2.8	3.3	2.9	3.1	2.6	2.5	1.1	2.2	3.8	3.5	3.4	2.6	2.2	3.8	0.6
21	2.4	1.7	0.9	1.4	1.1	1.6	1.3	0.8	0.7	2.4	4.6	4.5	6.5	6.9	7.9	6.7	6.3	6.0	3.5	1.8	3.9	2.9	2.2	1.6	3.3	7.9	0.7
22	1.5	1.4	1.0	1.3	1.4	1.2	1.3	0.9	2.5	7.1	9.2	7.3	6.7	6.1	6.8	7.1	8.1	9.1	7.4	6.9	3.3	5.4	7.5	6.4	4.9	9.2	0.9
23	4.5	5.5	4.2	2.3	1.6	1.6	1.8	2.8	7.2	5.7	5.9	6.0	7.4	7.6	7.2	6.3	5.7	5.0	4.0	3.1	3.7	4.5	1.3	2.7	4.5	7.6	1.3
24	3.5	6.0	3.7	2.5	3.6	3.0	4.5	5.0	4.2	5.3	5.0	4.6	5.4	6.3	5.3	5.2	6.0	5.1	4.3	2.2	1.7	1.7	2.2	1.8	4.1	6.3	1.7
25	2.3	3.0	1.8	1.3	0.8	1.1	0.8	1.1	0.9	1.4	1.7	1.9	2.1	3.1	3.3	3.8	4.1	2.5	1.9	2.2	1.7	3.2	2.6	2.3	2.1	4.1	0.8
26	1.9	1.5	1.2	1.1	1.0	1.2	1.2	1.0	1.0	1.5	2.7	3.2	3.4	3.6	3.4	4.2	4.1	3.2	1.9	1.7	1.5	1.4	1.3	2.3	2.1	4.2	1.0
27	1.5	1.9	1.6	1.4	1.1	1.1	1.2	0.6	0.9	3.6	6.6	6.6	6.6	7.9	7.1	6.0	5.0	3.2	1.8	2.0	2.6	2.1	1.4	0.9	3.1	7.9	0.6
28	1.5	0.9	1.0	1.1	1.1	0.9	1.4	1.1	2.7	5.5	6.6	6.3	5.9	5.0	5.9	5.0	4.5	2.9	1.7	1.9	1.7	1.8	1.3	0.9	2.9	6.6	0.9
29	1.4	0.9	0.6	1.0	1.9	1.8	2.4	1.0	0.9	2.7	3.2	2.3	2.3	2.2	2.4	2.8	4.0	5.3	6.2	3.4	3.4	2.0	2.5	2.4	2.5	6.2	0.6
30	2.2	1.3	0.9	1.4	1.9	1.1	1.3	1.2	0.6	1.0	1.5	3.0	4.2	3.7	3.0	2.5	2.6	1.5	3.7	2.2	1.0	1.5	1.2	2.0	1.9	4.2	0.6
31	2.0	1.4	1.3	1.1	0.8	0.9	1.6	1.2	0.8	2.5	4.5	4.9	4.5	6.0	5.8	4.5	4.0	5.0	4.4	2.8	1.7	1.8	1.9	1.8	2.8	6.0	0.8
Avg	2.1	1.9	1.5	1.5	1.5	1.7	1.7	1.5	2.4	3.6	4.2	4.4	4.8	4.9	4.9	4.8	4.9	4.2	3.7	3.0	2.7	2.6	2.4	2.2	3.1	6.1	0.9
Max	5.6	6.0	4.2	3.4	3.6	6.1	5.6	6.1	7.2	7.1	9.2	8.3	9.2	9.5	10.1	9.4	9.1	9.1	7.4	6.9	4.9	5.8	7.5	6.4	5.5	10.1	1.7
Min	0.8	0.8	0.5	0.8	0.7	0.6	0.5	0.5	0.6	1.0	1.5	1.7	2.1	2.2	2.4	2.4	1.8	1.5	1.1	1.4	1.0	1.2	1.0	0.7	1.9	3.6	0.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
September 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	2.2	1.9	2.8	3.5	1.4	2.4	3.5	4.5	3.7	2.8	5.5	7.1	5.6	6.7	5.5	5.2	3.4	3.9	2.6	2.9	1.3	1.7	1.5	2.9	3.5	7.1	1.3
2	4.5	3.2	3.3	2.0	1.9	1.5	1.2	1.0	0.8	1.2	3.5	4.9	5.0	7.2	7.0	4.7	4.3	7.0	5.3	3.3	1.5	3.0	1.6	1.5	3.3	7.2	0.8
3	1.7	1.6	2.4	0.9	2.2	2.0	1.0	0.8	0.8	1.1	1.5	2.4	3.0	2.5	3.0	2.8	1.6	1.2	2.0	1.2	2.4	3.3	2.2	2.0	1.9	3.3	0.8
4	2.0	2.8	3.0	2.4	4.6	2.4	2.7	2.7	1.7	1.7	2.5	3.3	2.7	2.6	2.9	2.1	2.5	2.3	1.6	1.7	1.1	1.1	0.9	1.1	2.3	4.6	0.9
5	1.2	1.1	1.2	0.7	0.6	1.4	1.1	1.8	0.8	0.9	1.0	3.6	4.3	4.8	5.5	4.6	3.3	2.9	1.3	1.1	1.6	1.7	1.9	1.8	2.1	5.5	0.6
6	1.7	1.3	1.1	0.8	1.0	1.0	0.9	1.1	1.2	2.2	3.8	5.0	5.2	5.8	6.2	4.8	2.6	1.4	2.0	2.5	1.5	1.6	1.7	1.0	2.4	6.2	0.8
7	1.4	1.7	1.8	3.6	3.0	1.3	1.3	2.6	4.5	6.1	6.2	5.3	7.4	6.6	7.3	7.3	6.7	5.9	3.4	1.9	2.3	2.1	1.7	1.2	3.9	7.4	1.2
8	2.0	2.5	2.6	1.6	3.3	2.8	1.6	7.7	7.5	8.2	8.6	9.1	9.0	10.3	11.0	9.3	8.5	8.6	8.1	5.9	1.9	2.0	3.8	3.5	5.8	11.0	1.6
9	2.7	3.9	2.5	2.1	3.4	4.3	4.3	4.4	4.3	5.6	5.2	5.3	5.0	4.7	4.2	4.6	4.9	4.8	2.8	1.6	1.9	1.5	1.2	0.7	3.6	5.6	0.7
10	1.0	0.9	1.3	1.2	1.1	1.2	1.1	0.8	1.1	6.3	7.5	7.8	7.4	7.0	8.4	8.9	6.4	7.9	8.7	3.3	2.3	1.9	1.8	1.8	4.0	8.9	0.8
11	2.1	1.8	1.2	1.2	1.1	1.3	0.7	0.7	1.4	7.2	6.6	8.4	8.4	7.5	7.0	6.6	3.7	4.5	5.6	3.9	3.4	2.8	3.2	4.6	4.0	8.4	0.7
12	3.8	4.0	4.3	4.3	3.5	5.5	4.8	4.9	3.4	5.0	5.3	6.4	5.0	5.7	5.5	4.0	3.7	4.5	4.3	2.9	2.1	2.6	2.1	2.6	4.2	6.4	2.1
13	2.6	2.3	1.3	1.3	0.7	1.5	3.0	3.8	5.4	6.3	7.4	7.2	5.4	3.9	3.8	6.9	5.9	5.6	4.7	2.0	1.2	2.0	1.9	0.8	3.6	7.4	0.7
14	1.5	0.8	0.7	0.8	0.8	0.5	1.4	0.9	0.9	1.1	2.8	3.2	3.3	4.3	4.9	4.9	4.3	3.9	3.1	1.1	1.4	1.4	0.9	0.6	2.1	4.9	0.5
15	0.8	1.1	1.2	0.9	0.9	0.9	1.0	0.7	0.7	0.9	1.8	4.4	4.9	5.7	5.2	4.5	3.7	3.5	1.9	1.9	2.2	2.4	2.3	2.2	2.3	5.7	0.7
16	1.8	1.8	1.4	1.0	1.2	0.8	1.1	1.0	0.6	2.4	4.2	4.3	4.1	3.6	4.7	5.4	5.9	4.8	2.0	1.7	2.6	3.0	2.0	1.4	2.6	5.9	0.6
17	1.4	0.9	0.7	1.1	0.8	0.8	0.7	1.0	0.7	2.7	4.7	5.7	5.2	4.2	2.1	3.3	3.3	4.0	4.3	5.3	6.9	7.8	9.0	7.6	3.5	9.0	0.7
18	5.2	5.8	5.8	5.0	4.3	5.7	5.6	6.3	9.4	11.3	10.9	9.5	10.2	7.8	7.1	8.2	7.9	6.7	4.3	4.1	3.8	1.6	2.6	4.5	6.4	11.3	1.6
19	3.4	4.3	3.2	2.3	3.2	2.3	1.3	0.9	1.2	3.1	5.2	4.5	5.4	5.6	5.2	4.7	4.7	4.9	3.4	3.4	1.7	2.6	2.1	1.3	3.3	5.6	0.9
20	2.0	1.1	1.7	1.4	0.8	1.5	1.1	1.2	1.1	1.0	1.8	2.3	3.0	3.0	3.7	5.6	7.1	3.4	3.7	1.8	1.8	1.7	2.4	2.3	2.4	7.1	0.8
21	2.8	2.7	2.2	1.4	2.7	1.5	3.2	3.9	4.9	5.4	5.6	5.7	6.4	6.4	5.6	5.5	4.5	5.7	4.1	3.7	2.4	1.4	1.3	1.2	3.8	6.4	1.2
22	1.3	1.6	2.1	1.3	1.1	1.2	1.8	0.7	0.8	1.5	1.2	1.5	3.3	4.0	2.7	1.9	1.0	2.5	3.3	4.6	2.1	3.5	2.6	1.3	2.0	4.6	0.7
23	1.1	2.0	2.6	3.7	3.7	3.2	3.5	4.5	4.3	4.7	4.3	4.4	4.4	5.0	5.5	3.4	3.1	3.6	1.8	1.9	2.5	3.4	3.6	2.2	3.4	5.5	1.1
24	1.8	1.4	1.0	1.4	1.7	1.2	1.6	1.2	2.1	6.5	8.6	9.2	8.9	8.5	8.4	9.5	6.6	5.8	4.6	3.8	0.9	2.3	3.3	2.7	4.3	9.5	0.9
25	1.2	1.9	1.4	1.7	1.2	1.1	1.3	1.0	1.0	5.3	5.3	5.8	6.0	6.6	6.9	5.9	6.2	6.1	4.5	4.9	4.2	3.5	1.3	1.3	3.6	6.9	1.0
26	1.5	1.1	1.3	1.0	0.9	1.0	1.0	0.9	0.9	2.3	3.3	3.6	3.8	4.0	4.2	4.3	4.4	3.2	1.6	2.1	1.8	1.4	1.3	0.7	2.1	4.4	0.7
27	1.1	1.1	0.9	0.9	1.1	0.8	0.8	0.7	0.7	1.8	4.8	5.9	6.2	7.4	6.7	6.1	5.2	3.3	2.0	3.1	2.7	1.4	1.5	1.2	2.8	7.4	0.7
28	1.5	1.1	1.1	1.2	0.8	0.9	1.1	0.5	2.4	7.0	Au	Au	Au	Au	Au	5.9	5.4	3.5	2.4	1.8	1.8	1.0	0.9	1.1	2.2	7.0	0.5
29	0.9	0.9	0.6	0.8	0.7	0.9	1.3	1.1	0.6	2.4	3.6	3.6	4.0	4.0	3.8	4.4	3.7	1.6	1.9	1.6	2.3	2.2	2.6	1.2	2.1	4.4	0.6
30	1.5	1.7	1.3	1.6	1.7	1.8	1.8	1.4	0.8	0.8	2.0	2.7	2.6	2.9	2.9	2.5	1.9	2.7	2.7	3.5	2.2	1.3	1.2	1.1	1.9	3.5	0.8
Avg	2.0	2.0	1.9	1.8	1.8	1.8	1.9	2.2	2.3	3.8	4.6	5.2	5.3	5.5	5.4	5.3	4.5	4.3	3.5	2.8	2.3	2.3	2.2	2.0	3.2	6.6	0.9
Max	5.2	5.8	5.8	5.0	4.6	5.7	5.6	7.7	9.4	11.3	10.9	9.5	10.2	10.3	11.0	9.5	8.5	8.6	8.7	5.9	6.9	7.8	9.0	7.6	6.4	11.3	2.1
Min	0.8	0.8	0.6	0.7	0.6	0.5	0.7	0.5	0.6	0.8	1.0	1.5	2.6	2.5	2.1	1.9	1.0	1.2	1.3	1.1	0.9	1.0	0.9	0.6	1.9	3.3	0.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
July 2016

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	117	107	136	75	68	69	194	346	289	276	306	296	308	279	280	264	322	339	42	61	88	51	61	112	16
2	135	182	46	41	62	48	127	316	334	287	294	300	278	294	277	291	328	329	316	316	312	304	257	140	315
3	123	116	90	88	94	123	343	7	260	259	257	265	277	288	279	287	274	272	277	290	308	283	104	108	283
4	104	89	94	80	92	64	334	357	274	268	271	260	251	257	264	280	291	314	316	308	307	317	312	290	306
5	229	95	74	86	93	159	54	273	303	285	278	285	270	301	263	246	265	290	316	332	8	72	85	55	314
6	56	68	159	76	115	60	140	321	87	342	294	285	305	305	308	316	305	299	294	301	286	146	105	97	346
7	67	87	81	106	131	16	19	335	260	263	267	262	274	269	288	292	253	274	324	48	70	65	93	59	348
8	26	124	76	127	102	56	322	278	144	160	180	225	230	272	296	326	96	272	6	330	299	249	297	148	270
9	88	27	153	152	107	62	119	336	342	296	297	289	286	322	247	268	292	119	299	336	99	63	40	83	4
10	86	122	86	125	138	98	6	234	345	260	197	203	308	355	335	316	286	82	229	235	182	200	173	185	196
11	210	272	275	269	274	267	275	277	272	276	281	270	263	266	258	269	277	277	276	280	268	275	253	106	268
12	97	88	68	58	52	63	23	16	289	270	267	258	268	283	258	276	293	301	302	291	227	133	89	356	321
13	298	72	102	96	90	110	102	289	264	265	265	239	93	75	13	322	300	295	301	295	58	75	79	59	21
14	60	91	103	88	86	131	213	13	314	281	262	273	291	315	310	321	337	327	330	12	354	101	113	117	360
15	97	104	83	117	120	128	184	150	137	149	152	136	139	136	133	139	16	11	100	115	89	121	163	145	124
16	87	103	93	145	75	30	336	304	272	293	329	296	308	295	300	350	297	334	322	11	34	107	56	149	353
17	114	36	117	33	119	49	28	113	154	153	142	133	157	187	191	158	149	48	58	92	89	85	67	74	106
18	308	99	150	138	155	135	155	160	166	164	158	158	163	155	160	141	136	140	131	125	343	67	171	350	144
19	97	79	52	34	103	360	144	246	151	167	191	209	216	232	241	241	189	195	293	24	99	128	45	147	156
20	91	89	117	155	118	133	196	140	18	313	348	242	247	269	278	272	321	346	304	6	151	112	342	85	26
21	124	98	71	106	101	128	58	332	320	286	275	236	255	294	267	273	258	332	41	31	86	111	133	235	5
22	83	300	125	193	186	146	311	127	135	148	190	205	195	256	207	231	259	309	313	317	307	309	294	300	236
23	277	279	290	284	266	240	271	289	291	294	294	299	301	302	248	227	271	295	313	316	335	113	88	67	288
24	63	104	31	105	73	47	155	18	319	277	272	255	268	256	256	252	258	268	251	215	102	53	64	56	314
25	65	69	51	359	109	103	270	280	308	296	300	275	292	330	344	337	20	42	75	141	308	82	80	128	10
26	44	101	8	71	111	75	140	296	49	309	320	291	306	248	355	276	252	336	32	346	334	123	62	7	2
27	72	127	104	92	156	357	124	110	214	271	284	314	321	318	316	308	2	17	342	156	94	294	126	107	34
28	80	142	45	132	140	27	32	339	274	312	330	323	289	266	256	163	139	115	132	100	87	83	123	115	90
29	82	64	49	52	25	71	106	75	172	339	295	290	321	293	318	291	304	292	126	90	80	84	77	71	37
30	91	105	113	123	99	99	110	353	37	259	260	266	246	263	252	278	275	253	286	317	98	52	58	58	9
31	51	112	142	59	78	56	217	53	14	279	248	246	280	280	280	282	296	307	316	308	38	99	87	43	347
Prev	85	95	89	95	104	79	105	330	292	272	269	261	271	280	276	277	289	315	323	344	35	88	85	90	342

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
August 2016

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	21	41	96	100	70	21	359	348	335	308	295	304	271	268	275	261	269	236	218	144	74	102	341	67	341
2	76	50	3	239	14	28	42	341	86	131	208	12	268	270	200	230	238	206	216	175	102	169	277	112	190
3	341	79	123	58	28	277	278	284	273	287	275	249	258	259	276	281	291	299	295	284	284	314	290	353	293
4	108	102	51	82	249	100	327	320	342	245	313	352	278	299	309	308	281	260	261	165	48	58	50	77	340
5	81	84	82	98	167	110	172	171	151	147	150	154	142	143	140	138	136	122	109	99	27	301	159	132	129
6	250	135	184	141	142	156	100	86	75	118	78	78	138	154	143	143	231	16	70	38	68	106	103	134	117
7	150	77	110	135	109	57	62	147	126	128	293	106	120	135	138	134	9	18	68	47	68	157	329	108	100
8	132	93	75	75	122	91	148	274	48	125	153	191	238	238	261	311	338	327	319	39	43	65	25	299	61
9	297	290	300	230	139	260	279	133	119	146	158	141	145	144	136	143	162	294	326	333	316	320	292	303	229
10	308	293	307	250	108	96	41	340	290	265	254	262	253	258	250	273	281	281	290	299	314	88	95	62	290
11	96	85	33	95	54	91	30	147	333	282	308	263	275	272	313	315	307	294	303	321	89	88	87	86	5
12	134	60	43	32	141	98	69	43	329	325	280	300	313	305	295	353	340	275	289	295	200	153	333	126	342
13	84	52	5	53	96	112	122	90	320	2	289	337	288	273	293	355	328	309	20	86	89	96	57	349	23
14	104	103	357	7	84	74	89	316	339	297	276	294	299	299	281	306	305	319	16	68	53	53	119	219	355
15	130	74	65	139	94	99	62	344	85	189	295	291	310	317	307	322	329	325	16	90	139	97	76	68	46
16	99	11	71	31	82	96	115	7	1	166	38	282	261	288	278	258	282	316	308	87	75	101	55	50	29
17	19	50	5	15	94	360	128	309	351	322	308	321	314	321	315	301	7	10	64	51	310	19	121	138	2
18	153	201	261	308	30	63	71	59	304	147	76	121	145	140	133	64	65	138	33	47	341	335	5	298	68
19	333	326	326	341	330	335	330	334	2	351	339	336	323	319	330	314	298	293	306	30	109	85	98	82	342
20	85	78	90	99	109	118	124	55	4	305	297	292	240	260	256	261	273	249	304	111	84	72	90	90	73
21	84	109	90	103	50	87	146	318	357	315	258	261	266	279	262	274	256	239	248	163	92	86	73	76	89
22	84	119	83	81	112	104	108	17	352	292	290	287	289	286	292	278	290	301	295	307	2	333	280	275	321
23	273	279	278	90	177	144	95	57	271	280	281	281	281	308	321	326	346	358	357	6	3	16	291	304	318
24	317	334	326	319	319	302	272	296	297	302	304	314	316	346	1	4	20	6	359	22	131	71	82	68	340
25	69	72	63	70	94	89	105	166	317	292	263	318	234	327	353	27	18	10	48	49	34	66	46	79	40
26	72	19	98	133	143	141	142	132	321	329	273	271	291	304	254	330	288	283	293	110	78	118	93	96	56
27	94	74	67	112	101	112	135	93	22	274	262	259	255	244	257	258	251	246	217	105	103	83	113	74	137
28	128	174	118	89	83	71	50	359	311	279	298	291	289	266	284	265	261	309	325	101	47	109	94	63	3
29	111	93	71	165	132	128	117	306	23	153	159	18	316	32	329	258	150	146	134	103	118	6	295	207	110
30	139	170	42	53	101	81	74	148	20	109	13	295	291	304	319	338	319	55	93	90	343	33	212	153	50
31	152	62	267	160	133	101	102	140	49	138	199	202	177	193	188	187	150	208	335	28	92	359	63	131	140
Prev	92	73	50	86	99	89	89	19	354	268	281	291	269	278	280	295	299	301	330	63	60	67	58	85	21

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
September 2016

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	328	115	68	110	249	129	82	91	98	99	189	199	236	186	224	280	288	179	95	117	144	151	126	120	143
2	91	102	108	131	138	91	38	41	352	349	267	273	265	291	319	320	320	308	318	326	293	279	240	153	324
3	157	113	56	55	95	70	20	11	65	15	260	220	212	208	268	296	292	78	92	95	89	114	137	132	92
4	156	89	94	60	85	47	37	22	299	80	85	58	61	335	289	282	310	294	293	277	282	301	289	323	357
5	285	280	162	39	241	266	275	231	68	22	219	285	284	286	288	284	253	265	218	131	138	116	129	114	248
6	151	96	146	69	146	158	148	144	129	156	194	204	203	208	218	234	247	308	354	304	314	227	308	244	195
7	150	209	245	283	284	125	179	245	272	264	262	251	262	265	274	281	282	286	272	257	106	109	94	60	250
8	100	134	239	234	227	200	117	267	271	246	257	260	280	276	276	282	285	289	286	288	275	314	325	327	267
9	324	318	318	279	284	291	296	286	297	313	319	327	324	283	268	263	269	255	244	139	103	120	135	128	288
10	124	80	105	74	23	35	142	185	14	267	268	261	259	250	268	272	283	280	277	233	210	150	146	100	230
11	59	101	109	127	69	132	25	302	337	287	298	326	317	296	315	316	334	2	337	329	334	325	290	317	338
12	325	313	327	324	339	3	344	338	357	20	353	10	9	31	19	29	59	55	74	81	62	79	101	146	19
13	157	153	114	128	23	56	125	142	152	150	150	147	140	138	153	154	157	160	161	149	84	94	76	13	130
14	134	211	94	358	161	169	153	266	146	322	307	306	282	276	295	259	246	263	269	170	139	102	161	313	232
15	334	208	139	142	321	93	342	356	5	4	322	267	12	28	25	26	13	12	332	120	101	84	42	101	25
16	93	59	77	76	111	73	101	138	335	336	270	273	299	269	266	252	259	262	230	116	72	81	90	85	70
17	128	118	129	103	109	129	123	63	256	123	212	231	220	205	218	223	227	248	264	260	254	254	278	279	204
18	269	267	259	251	261	256	260	269	262	267	266	255	252	270	271	277	281	269	284	289	300	217	226	236	263
19	248	243	243	77	79	74	47	157	9	300	258	260	237	257	266	273	291	320	327	320	76	85	90	45	307
20	46	43	95	108	51	137	58	135	190	351	306	154	166	316	326	323	355	11	51	102	54	347	91	35	51
21	90	52	77	103	109	175	153	164	168	161	149	139	142	136	141	159	168	164	164	157	143	117	119	66	136
22	169	205	129	258	71	268	329	190	274	230	348	280	291	330	307	354	210	6	32	17	8	342	336	353	314
23	290	297	337	334	312	299	306	309	294	283	276	304	269	296	290	284	283	285	217	245	269	280	303	252	289
24	132	34	37	66	89	102	71	27	323	311	308	312	325	320	316	308	312	318	319	325	7	82	85	62	4
25	22	74	40	87	66	88	44	107	360	257	269	257	256	251	254	258	262	277	263	274	267	298	339	118	300
26	105	90	54	15	357	39	38	96	338	333	267	269	263	267	256	254	265	254	196	104	90	99	99	69	19
27	109	123	173	146	140	115	124	136	35	359	290	288	282	275	291	294	282	301	111	77	86	39	86	71	87
28	120	127	60	111	77	96	117	106	109	160	Au	Au	Au	Au	Au	152	149	152	137	126	128	79	23	76	112
29	44	44	19	138	155	161	152	159	54	139	148	155	157	221	242	240	213	196	116	95	94	75	90	85	133
30	91	109	106	92	141	105	105	121	167	42	241	265	274	295	291	299	255	176	77	92	107	142	86	5	115
Prev	106	107	93	87	89	107	80	134	345	320	266	262	264	272	277	278	273	281	278	132	86	91	89	67	286

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
July 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	26	23	16	18	27	72	70	66	33	22	27	19	50	28	30	36	80	38	34	43	10	58	28	48	38	80	10
2	43	99	57	43	52	60	44	54	66	41	24	28	24	23	33	43	15	7	9	7	9	10	67	31	37	99	7
3	32	20	21	40	46	46	69	64	25	15	13	13	19	18	16	19	16	14	12	13	7	36	72	37	28	72	7
4	74	42	32	30	49	52	49	82	20	15	20	27	22	21	27	22	18	14	11	10	15	23	48	36	32	82	10
5	74	24	29	39	46	57	71	39	14	22	26	18	28	17	33	39	32	39	20	20	69	47	60	43	38	74	14
6	64	75	68	74	81	100	87	72	25	62	22	19	22	14	28	22	13	13	14	11	35	93	84	32	47	100	11
7	65	60	46	44	33	71	76	58	22	33	22	36	33	24	49	62	26	42	24	47	82	26	25	62	45	82	22
8	78	62	60	34	68	88	82	75	15	23	49	40	24	35	31	15	47	92	84	43	53	61	70	70	54	92	15
9	63	74	45	59	78	84	89	68	53	30	17	28	36	31	51	66	62	89	14	57	36	49	70	31	53	89	14
10	42	44	41	25	31	84	67	64	84	95	47	31	41	34	20	20	65	26	54	69	89	82	20	22	50	95	20
11	28	13	13	12	12	9	12	13	11	12	12	11	10	12	10	12	11	13	11	9	28	12	61	29	16	61	9
12	61	30	35	35	35	51	85	52	29	21	24	22	23	24	20	23	18	14	11	10	57	53	35	99	36	99	10
13	34	36	31	22	33	32	53	69	25	21	20	84	48	48	50	19	16	14	23	15	61	11	11	30	34	84	11
14	42	23	47	65	27	21	87	64	89	28	30	30	31	32	35	35	35	35	16	65	68	42	71	65	45	89	16
15	54	36	7	27	26	50	34	13	11	9	10	16	20	18	15	46	79	41	43	54	21	39	32	20	30	79	7
16	28	88	31	78	43	88	86	19	23	24	12	15	31	32	22	65	30	21	15	56	75	66	88	81	47	88	12
17	49	84	56	93	81	92	65	55	12	11	25	48	41	40	40	54	75	31	34	20	42	44	40	76	50	93	11
18	74	33	18	18	28	19	13	12	9	8	11	11	9	11	9	12	11	10	13	97	44	62	72	50	27	97	8
19	57	52	40	60	48	61	24	87	87	42	29	22	24	20	22	19	19	13	34	43	31	67	96	60	44	96	13
20	57	60	58	94	72	81	77	74	56	23	51	53	23	17	19	23	21	26	27	14	74	88	71	79	52	94	14
21	62	70	72	39	57	32	65	86	62	53	37	31	24	26	27	45	37	45	24	37	34	43	82	74	49	86	24
22	61	91	59	57	86	48	89	61	24	16	16	15	15	29	27	37	38	14	11	7	8	8	11	11	35	91	7
23	9	18	17	19	22	52	26	12	11	15	15	19	27	28	27	24	29	24	14	8	73	22	22	29	23	73	8
24	34	42	55	41	56	68	90	77	40	32	19	20	22	26	46	29	20	22	27	56	30	23	34	29	39	90	19
25	39	66	42	76	44	67	99	82	77	46	45	44	30	54	47	44	13	20	21	80	40	67	57	41	52	99	13
26	78	43	53	55	46	67	39	67	46	67	37	32	41	68	33	40	16	45	33	47	17	48	25	66	46	78	16
27	65	30	31	44	66	63	48	89	90	31	28	34	25	21	47	23	35	11	25	64	31	77	36	87	46	90	11
28	81	69	86	89	38	64	68	40	57	92	58	36	29	30	24	45	15	25	23	21	10	8	57	32	46	92	8
29	44	45	28	40	76	53	46	82	88	66	48	36	22	31	52	80	70	55	27	13	7	11	14	13	44	88	7
30	20	16	78	21	32	24	49	55	91	57	22	23	20	25	33	32	27	20	15	76	13	28	29	36	35	91	13
31	30	36	60	70	67	57	95	78	68	42	28	28	19	22	22	20	25	18	13	11	87	54	47	44	43	95	11
Avg	51	49	43	47	49	58	63	59	44	35	27	29	27	28	30	35	33	29	24	36	41	44	50	47	41	88	12
Max	81	99	86	94	86	100	99	89	91	95	58	84	50	68	52	80	80	92	84	97	89	93	96	99	54	100	24
Min	9	13	7	12	12	9	12	12	9	8	10	11	9	11	9	12	11	7	9	7	7	8	11	11	16	61	7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
August 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	79	42	47	44	51	56	66	65	33	30	29	32	35	51	32	41	48	40	34	36	24	67	49	29	44	79	24
2	14	65	82	79	51	50	84	24	62	24	83	65	51	56	52	30	21	31	31	55	24	63	45	74	51	84	14
3	45	31	76	46	61	29	11	13	14	19	21	20	16	16	15	15	11	14	13	10	13	19	33	40	25	76	10
4	51	45	53	43	94	39	78	78	76	69	67	58	65	54	58	38	29	30	18	51	51	42	33	13	51	94	13
5	11	9	26	65	81	25	55	40	23	14	14	14	13	12	18	11	12	17	16	45	67	60	32	19	29	81	9
6	72	32	43	52	29	17	22	14	10	27	34	15	24	33	40	20	58	53	41	27	25	49	30	28	33	72	10
7	23	43	42	81	26	52	69	32	43	86	49	62	32	17	13	62	31	86	63	72	76	55	63	33	50	86	13
8	43	36	55	63	43	65	50	64	79	56	46	36	18	27	24	42	17	45	34	59	62	66	63	33	47	79	17
9	52	52	56	95	56	79	90	28	21	18	17	21	22	28	36	25	67	28	15	11	9	45	51	14	39	95	9
10	16	36	21	76	34	42	62	45	13	17	17	16	16	17	18	14	13	11	12	9	50	28	27	35	27	76	9
11	48	42	58	49	59	41	81	81	63	35	28	32	32	30	27	15	21	13	13	38	21	13	12	35	37	81	12
12	24	53	50	99	26	100	58	74	81	25	21	29	22	28	39	28	34	39	8	13	75	57	65	67	46	100	8
13	76	41	56	30	32	34	45	88	55	77	40	36	32	47	66	30	47	50	54	15	21	35	45	88	48	88	15
14	53	89	66	37	57	58	75	68	44	20	26	42	27	42	36	35	34	32	22	19	44	25	66	67	45	89	19
15	69	64	80	42	56	37	60	54	71	70	22	35	35	35	24	20	15	13	22	75	40	36	44	32	44	80	13
16	34	30	45	47	45	37	79	81	72	76	62	39	53	41	42	45	28	33	28	66	44	43	55	52	49	81	28
17	65	58	49	48	57	46	54	88	56	44	37	49	28	30	17	27	18	12	23	77	88	86	85	37	49	88	12
18	73	82	24	44	26	19	19	30	71	19	22	38	12	17	60	42	20	60	82	43	27	22	61	39	40	82	12
19	13	14	14	20	18	9	9	22	23	17	25	32	25	29	17	18	37	19	33	82	16	12	21	14	22	82	9
20	15	38	49	47	36	40	86	85	69	56	28	47	35	30	36	35	47	47	19	59	13	11	15	16	40	86	11
21	21	27	50	34	35	34	33	33	76	54	21	23	16	17	14	22	23	11	16	57	25	32	30	53	32	76	11
22	57	33	62	45	34	54	63	95	56	16	12	12	13	17	20	16	11	9	9	13	32	20	11	11	30	95	9
23	13	12	56	42	65	25	38	88	14	20	21	20	22	21	14	15	19	20	23	31	29	25	46	12	29	88	12
24	12	16	15	15	13	12	13	14	12	12	11	12	14	28	22	24	14	19	17	27	50	59	25	36	21	59	11
25	23	19	42	54	72	32	64	73	47	66	83	41	57	19	28	13	11	13	44	44	30	13	32	21	39	83	11
26	72	61	70	66	67	65	79	44	56	59	36	31	43	34	35	23	31	28	22	89	61	48	58	52	51	89	22
27	49	15	26	25	48	63	77	91	66	40	20	22	22	15	17	15	18	15	31	31	15	37	46	53	36	91	15
28	25	59	66	59	49	72	82	86	64	19	13	16	18	30	15	14	17	21	28	68	34	63	67	84	45	86	13
29	45	49	71	67	21	24	22	80	96	21	38	76	78	71	67	81	25	12	12	16	35	77	18	60	48	96	12
30	17	68	74	53	24	59	60	45	74	60	85	29	26	21	37	39	17	54	11	39	69	78	82	28	48	85	11
31	68	69	59	55	65	80	45	55	91	40	21	24	38	27	28	37	17	42	55	42	67	74	80	77	52	91	17
Avg	41	43	51	52	46	45	56	57	53	39	34	33	30	30	31	29	26	30	27	43	40	44	45	40	40	84	13
Max	79	89	82	99	94	100	90	95	96	86	85	76	78	71	67	81	67	86	82	89	88	86	85	88	52	100	28
Min	11	9	14	15	13	9	9	13	10	12	11	12	12	12	13	11	11	9	8	9	9	11	11	11	21	59	8

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
September 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	79	39	64	32	101	52	33	17	15	39	21	18	22	18	39	40	69	57	24	41	58	84	56	78	46	101	15
2	21	26	29	31	58	64	41	56	37	83	56	35	26	15	12	9	12	7	12	11	51	15	44	27	32	83	7
3	13	30	40	42	16	28	52	42	75	79	59	63	39	57	21	24	28	71	25	85	50	25	37	26	43	85	13
4	38	22	13	55	10	30	32	51	47	26	12	24	14	60	12	19	14	8	37	22	36	23	39	16	28	60	8
5	21	30	30	98	90	64	92	37	93	58	50	14	9	11	10	11	17	22	58	83	33	22	25	37	42	98	9
6	24	62	32	65	38	33	59	49	66	32	39	18	23	15	16	18	24	30	66	45	69	91	37	48	42	91	15
7	40	50	41	24	57	59	61	84	17	15	14	13	16	20	18	11	13	16	12	59	18	34	41	46	32	84	11
8	64	99	30	47	11	50	88	12	13	11	14	12	13	11	14	14	12	11	9	8	48	24	9	11	26	99	8
9	12	18	13	28	14	7	12	9	17	13	15	11	19	30	27	29	18	18	21	22	20	22	52	58	21	58	7
10	33	70	80	84	71	83	64	83	75	19	15	14	17	20	14	15	12	10	10	24	67	29	33	51	41	84	10
11	31	45	51	51	81	44	78	94	31	12	13	10	11	13	13	15	43	17	17	12	11	27	19	16	31	94	10
12	14	14	13	13	24	14	22	22	27	15	18	20	16	24	13	27	15	11	13	16	14	14	14	20	17	27	11
13	15	11	37	50	52	52	18	21	11	10	10	13	12	20	23	10	9	6	8	32	73	20	45	48	25	73	6
14	53	64	52	76	70	62	61	49	89	66	66	22	31	15	10	22	10	14	19	66	24	66	74	63	48	89	10
15	27	88	33	98	48	46	75	57	29	85	38	28	40	21	18	18	15	14	91	20	24	20	25	22	41	98	14
16	43	26	25	54	22	56	47	87	63	64	23	24	30	31	25	20	12	12	56	41	20	15	18	29	35	87	12
17	35	27	52	68	68	87	101	82	95	58	25	13	16	14	55	41	22	12	8	12	10	14	12	14	39	101	8
18	10	10	12	9	10	10	10	12	10	13	14	12	11	11	12	13	11	13	10	13	13	61	18	16	14	61	9
19	15	9	12	95	19	26	38	75	52	45	14	18	24	18	24	14	15	8	15	10	57	24	35	73	31	95	8
20	44	58	33	43	88	53	60	53	80	81	47	80	20	27	18	10	19	28	69	88	59	53	46	58	51	88	10
21	35	92	61	88	20	62	11	9	8	10	12	13	13	11	13	10	10	8	11	33	34	53	68	75	32	92	8
22	70	71	19	79	52	93	10	87	47	51	45	40	15	8	25	47	46	43	13	8	34	20	12	27	40	93	8
23	68	13	29	19	12	8	12	8	11	14	14	18	15	14	11	12	12	8	25	23	18	9	15	88	20	88	8
24	32	83	60	76	75	97	54	46	29	14	11	15	14	12	11	11	11	9	11	14	55	57	14	16	34	97	9
25	30	18	33	60	77	66	78	73	66	17	20	16	18	18	16	15	16	11	11	10	9	15	88	32	34	88	9
26	22	38	37	42	66	90	52	64	79	55	23	25	22	20	23	18	15	13	78	28	21	24	50	70	41	90	13
27	40	32	37	48	33	53	59	58	44	35	15	13	18	14	13	11	15	15	42	26	23	49	51	69	34	69	11
28	33	35	47	58	70	66	37	79	77	11	Au	Au	Au	Au	Au	11	8	12	19	20	28	57	55	29	40	79	8
29	29	44	37	70	68	65	57	68	84	25	16	18	23	28	28	27	14	60	25	48	16	32	23	99	42	99	14
30	39	40	48	42	20	29	29	41	83	65	72	31	36	29	45	38	61	43	48	27	26	85	69	89	47	89	20
Avg	34	42	37	55	48	52	48	51	49	37	27	22	20	21	20	19	20	20	29	32	34	36	37	45	35	85	10
Max	79	99	80	98	101	97	101	94	95	85	72	80	40	60	55	47	69	71	91	88	73	91	88	99	51	101	20
Min	10	9	12	9	10	7	10	8	8	10	10	10	9	8	10	9	8	6	8	8	9	9	9	11	14	27	6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
July 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	13.8	11.7	9.4	9.3	8.6	7.9	10.2	14.3	18.5	20.3	21.9	22.9	23.3	24.2	24.9	25.5	25.5	25.0	25.1	23.0	20.5	18.0	18.2	15.6	18.2	25.5	7.9
2	13.7	11.9	10.1	9.8	8.4	8.8	10.7	15.2	18.8	20.9	21.8	22.7	24.0	24.5	24.6	24.9	24.3	23.2	23.0	21.8	20.4	19.6	15.6	12.6	18.0	24.9	8.4
3	10.3	9.0	8.2	6.9	5.4	5.4	8.2	13.2	17.4	18.2	19.5	19.9	21.0	21.9	23.3	24.0	24.4	24.0	23.5	22.1	20.1	18.3	14.3	11.1	16.2	24.4	5.4
4	8.9	8.5	6.4	4.7	3.6	3.8	5.2	10.2	14.7	15.0	16.6	17.9	19.4	20.3	21.1	21.6	21.7	20.7	19.0	17.5	16.4	14.8	13.6	12.8	13.9	21.7	3.6
5	8.9	5.5	3.0	1.6	-0.2	-0.1	4.4	10.9	12.3	13.4	14.2	15.2	16.0	16.3	17.0	17.9	18.5	18.2	17.9	16.3	14.9	11.8	9.2	7.4	11.3	18.5	-0.2
6	7.4	6.8	6.3	4.9	5.0	5.8	7.0	9.7	11.9	14.3	14.5	14.5	11.7	10.5	10.7	12.5	13.6	13.9	13.2	11.9	9.7	7.0	5.0	2.8	9.6	14.5	2.8
7	1.6	0.8	0.1	-0.7	-1.9	-1.4	1.7	7.9	10.3	11.8	13.4	15.0	16.4	17.3	17.6	18.5	19.2	19.2	18.4	17.3	15.6	13.8	12.1	11.9	10.7	19.2	-1.9
8	10.8	9.3	8.1	7.7	7.3	6.4	9.2	14.7	18.9	20.5	22.3	24.2	25.2	25.3	25.5	24.8	21.4	20.0	14.8	13.6	12.7	12.4	11.4	9.7	15.7	25.5	6.4
9	9.0	9.2	8.0	6.7	5.7	5.2	7.9	12.3	17.2	19.9	20.1	21.3	22.1	22.7	21.7	15.6	13.3	14.9	14.9	14.7	13.5	12.8	12.1	11.2	13.8	22.7	5.2
10	10.9	10.6	10.4	9.2	8.0	8.7	9.3	10.4	11.3	12.1	12.9	13.4	13.7	14.3	11.4	9.7	9.6	9.7	10.0	9.6	9.1	8.5	8.2	6.6	10.3	14.3	6.6
11	6.2	6.1	6.0	5.2	4.6	3.9	3.9	4.0	4.5	5.0	5.5	6.1	7.4	8.7	9.6	10.6	11.6	12.1	12.1	11.7	10.1	9.1	8.0	4.9	7.4	12.1	3.9
12	2.8	1.6	0.9	0.4	0.0	-0.2	2.1	7.6	10.4	11.6	12.8	13.7	14.3	15.1	16.2	16.7	16.9	17.2	16.8	15.9	12.6	11.5	10.7	10.3	9.9	17.2	-0.2
13	10.2	8.8	6.8	6.4	5.9	5.7	6.8	10.1	11.2	12.3	13.2	11.7	12.3	12.6	14.0	14.8	16.3	16.9	16.1	15.1	11.6	8.4	7.0	5.8	10.8	16.9	5.7
14	4.6	3.7	2.3	1.6	1.9	1.2	2.9	6.8	13.0	14.7	15.4	16.4	17.0	17.6	17.9	18.3	18.7	18.9	18.9	17.4	14.0	11.0	9.0	7.7	11.3	18.9	1.2
15	6.7	8.8	11.6	10.2	9.5	10.0	12.2	15.2	16.6	17.6	18.8	19.9	20.8	21.4	21.6	20.3	15.2	17.2	15.1	14.8	12.9	11.9	12.4	12.3	14.7	21.6	6.7
16	11.8	9.9	9.4	8.8	9.3	8.6	8.9	11.1	12.1	13.1	14.3	14.9	16.1	16.7	17.1	17.2	18.2	17.9	17.5	16.1	13.4	9.9	8.3	7.4	12.8	18.2	7.4
17	5.6	4.8	4.3	3.9	3.0	2.9	6.3	12.5	14.4	15.3	16.7	17.7	18.5	19.4	20.1	21.0	21.0	19.1	17.7	14.1	13.4	12.5	11.6	11.3	12.8	21.0	2.9
18	12.3	11.0	11.4	11.7	12.4	12.1	13.1	14.7	16.2	17.9	19.9	21.7	22.9	23.9	24.9	25.1	24.9	23.9	24.3	22.7	19.1	17.2	15.8	15.9	18.1	25.1	11.0
19	13.4	10.2	10.0	8.6	7.6	6.6	9.1	14.0	19.0	23.1	24.7	25.8	26.7	27.5	28.1	28.1	28.4	27.6	25.0	23.3	21.9	19.8	16.5	14.7	19.2	28.4	6.6
20	11.7	11.1	9.1	8.0	7.7	7.8	9.4	13.8	18.0	19.3	21.4	24.3	24.9	25.3	24.4	25.1	25.1	25.0	24.6	22.4	19.0	15.2	13.1	12.7	17.4	25.3	7.7
21	10.4	9.4	8.4	7.2	5.7	6.0	8.4	13.7	18.4	21.0	22.2	23.1	24.0	24.6	25.4	26.0	26.3	26.3	26.0	23.6	19.4	18.3	15.5	14.8	17.7	26.3	5.7
22	18.0	19.8	18.5	16.4	13.6	11.0	11.8	18.7	22.5	24.1	25.1	27.2	27.4	28.5	27.6	26.9	28.4	27.7	25.0	23.1	21.3	19.3	17.4	15.5	21.4	28.5	11.0
23	14.5	13.2	12.8	11.8	11.0	10.6	12.1	13.1	14.1	14.8	15.7	16.6	17.5	18.3	18.9	19.4	19.5	19.9	19.3	17.5	14.3	10.5	8.4	6.9	14.6	19.9	6.9
24	5.7	4.0	2.8	2.6	1.6	1.8	4.1	9.4	14.8	16.6	18.5	19.6	20.8	21.8	22.7	23.4	23.9	24.0	23.8	21.6	15.3	13.5	12.0	9.4	13.9	24.0	1.6
25	7.8	6.9	5.9	5.7	5.2	4.6	7.3	12.8	18.4	21.4	22.9	23.9	24.9	25.4	26.1	26.1	25.1	24.2	23.2	18.8	15.0	14.4	14.1	11.9	16.3	26.1	4.6
26	10.5	9.3	7.5	6.8	5.7	5.5	7.2	11.9	17.0	21.2	23.3	23.8	24.6	25.1	24.8	25.8	25.9	23.3	21.8	17.8	17.2	15.7	14.1	12.0	16.6	25.9	5.5
27	9.8	8.3	7.0	5.8	4.9	4.9	7.2	11.8	17.0	19.7	20.6	21.9	22.5	22.9	23.4	23.5	23.1	22.4	21.4	19.9	17.9	16.4	14.5	11.8	15.8	23.5	4.9
28	12.7	13.6	12.1	10.3	9.3	8.0	9.5	13.5	17.1	19.2	20.5	21.3	22.5	22.9	23.3	22.1	21.7	21.7	21.4	19.4	16.5	14.3	13.0	12.2	16.6	23.3	8.0
29	11.0	10.2	9.7	8.5	7.4	8.4	9.2	13.0	17.1	19.6	21.4	22.3	23.2	24.0	24.3	24.8	25.0	25.0	23.7	21.6	18.8	17.9	18.0	18.2	17.6	25.0	7.4
30	17.9	17.6	16.0	13.8	10.6	10.0	11.8	16.1	20.8	22.8	23.7	24.6	25.8	26.6	27.1	27.7	28.2	28.3	27.7	25.3	18.8	16.1	14.1	11.7	20.1	28.3	10.0
31	10.6	8.7	7.8	5.9	5.6	5.5	6.8	12.7	19.1	21.4	22.7	23.7	24.7	25.3	25.8	25.9	25.6	24.7	23.0	20.2	16.8	11.3	8.7	7.0	16.2	25.9	5.5
Avg	10.0	9.0	8.1	7.1	6.2	6.0	7.9	12.1	15.6	17.4	18.6	19.6	20.4	21.0	21.3	21.4	21.3	21.0	20.1	18.4	15.9	13.9	12.3	10.8	14.8	22.3	5.4
Max	18.0	19.8	18.5	16.4	13.6	12.1	13.1	18.7	22.5	24.1	25.1	27.2	27.4	28.5	28.1	28.1	28.4	28.3	27.7	25.3	21.9	19.8	18.2	18.2	21.4	28.5	11.0
Min	1.6	0.8	0.1	-0.7	-1.9	-1.4	1.7	4.0	4.5	5.0	5.5	6.1	7.4	8.7	9.6	9.7	9.6	9.7	10.0	9.6	9.1	7.0	5.0	2.8	7.4	12.1	-1.9

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
August 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	5.6	3.7	2.4	1.4	0.5	0.2	2.3	8.6	14.9	16.9	18.5	19.6	20.7	21.5	22.3	22.8	23.1	23.3	23.0	20.1	14.2	11.7	10.4	15.4	13.5	23.3	0.2
2	16.6	15.2	12.1	10.2	8.7	6.7	7.1	11.5	17.8	20.8	22.7	24.3	26.0	27.0	27.8	28.6	29.2	29.1	28.5	26.8	24.5	22.6	21.1	19.0	20.2	29.2	6.7
3	16.7	14.1	11.8	12.3	10.6	12.5	12.4	12.3	12.6	13.4	14.3	15.0	15.8	16.7	17.2	16.7	16.5	15.9	15.2	13.8	11.7	10.2	9.5	7.8	13.5	17.2	7.8
4	5.4	2.9	1.2	0.9	0.0	-0.6	1.2	6.4	11.5	13.7	15.4	17.2	19.0	20.1	21.2	22.0	22.3	22.3	21.8	19.4	16.6	15.6	14.6	15.4	12.7	22.3	-0.6
5	15.1	14.7	13.9	11.8	12.1	11.9	13.2	16.5	19.3	20.8	21.8	22.5	23.7	23.9	24.4	24.5	24.2	23.7	23.3	22.5	20.2	18.4	19.9	20.9	19.3	24.5	11.8
6	18.7	18.6	17.3	16.9	17.0	17.7	16.1	14.9	13.9	16.4	17.8	19.9	22.9	23.3	24.2	24.3	17.3	12.4	13.3	12.4	11.5	10.8	10.2	8.7	16.5	24.3	8.7
7	7.6	6.8	6.2	5.3	5.3	4.5	5.9	8.6	11.3	13.4	14.9	17.0	18.6	21.4	22.6	20.6	16.7	14.3	11.2	11.5	11.1	10.3	8.4	7.7	11.7	22.6	4.5
8	6.6	6.1	5.0	4.4	3.6	3.1	3.6	7.3	12.6	15.9	18.1	20.0	21.3	22.1	22.6	21.5	19.9	19.8	18.4	16.8	16.0	15.6	14.1	11.7	13.6	22.6	3.1
9	11.0	10.2	9.4	8.6	7.8	9.1	12.5	15.5	16.8	18.3	18.8	19.9	21.3	21.9	22.8	22.9	21.2	18.6	16.9	15.4	13.3	11.6	11.4	11.0	15.3	22.9	7.8
10	9.5	9.4	9.0	6.9	4.4	2.8	3.8	8.2	10.3	11.4	12.5	13.7	14.8	15.4	16.1	16.3	15.8	15.7	14.7	13.4	12.0	9.6	6.8	5.2	10.7	16.3	2.8
11	3.7	3.0	3.0	1.6	0.8	0.7	1.0	6.2	11.6	13.5	14.7	16.2	17.4	18.2	18.2	17.6	18.3	18.7	18.3	16.0	12.0	10.3	9.2	8.0	10.8	18.7	0.7
12	6.6	6.2	5.2	5.4	5.1	5.5	7.7	10.8	14.7	16.7	17.5	18.7	19.2	19.6	18.3	18.1	14.4	15.4	14.3	13.6	12.0	11.6	10.6	9.5	12.4	19.6	5.1
13	7.5	6.5	6.2	5.7	4.5	3.0	4.1	8.6	14.1	17.8	19.1	19.8	20.7	21.2	21.9	22.2	22.7	22.7	21.7	17.3	14.4	12.5	10.8	9.7	13.9	22.7	3.0
14	8.9	8.5	8.1	8.0	7.3	6.0	6.4	10.8	16.5	19.6	20.7	21.0	21.8	22.7	23.3	23.7	23.8	23.9	22.5	20.2	16.2	14.7	12.4	11.2	15.8	23.9	6.0
15	8.8	7.5	6.8	5.8	5.6	5.1	6.4	11.5	18.6	21.6	22.2	22.7	23.5	24.2	24.8	24.8	24.9	24.7	23.3	21.0	17.7	13.9	11.6	10.6	16.2	24.9	5.1
16	9.4	8.3	8.1	6.9	6.6	5.8	6.5	11.6	18.3	22.6	23.9	24.9	26.0	26.5	27.2	27.5	27.6	27.4	26.3	21.4	17.4	14.1	12.0	11.6	17.4	27.6	5.8
17	9.6	8.7	8.4	7.0	6.1	5.9	6.6	10.2	15.6	21.4	24.0	24.8	25.2	25.8	26.3	26.4	25.4	24.1	22.6	20.9	19.1	17.0	14.1	12.8	17.0	26.4	5.9
18	11.8	12.7	12.8	12.6	12.6	12.3	11.7	12.5	13.0	13.7	13.7	14.2	14.4	14.7	15.9	16.5	16.5	15.9	14.2	11.4	9.6	8.0	6.9	7.0	12.7	16.5	6.9
19	6.8	6.7	6.3	6.3	6.4	6.3	6.4	7.0	7.8	9.0	10.3	11.3	12.1	12.2	12.4	13.0	13.8	13.8	13.7	10.4	7.4	5.9	4.0	3.4	8.9	13.8	3.4
20	2.9	2.2	1.0	0.6	0.1	0.0	0.0	3.8	9.7	13.9	15.9	17.5	18.5	19.5	19.8	20.2	20.7	20.8	20.0	14.8	11.4	9.9	8.0	6.3	10.7	20.8	0.0
21	5.5	3.5	3.5	2.9	2.8	2.7	2.9	7.0	13.6	19.3	20.7	21.6	22.9	24.1	24.8	25.2	25.3	25.3	24.2	18.5	13.5	10.2	8.2	6.4	13.9	25.3	2.7
22	5.3	4.3	4.1	3.4	3.2	2.2	2.3	6.9	14.6	18.6	18.8	18.9	19.7	20.8	21.8	22.2	21.4	19.9	18.2	16.8	15.4	14.7	13.9	13.5	13.4	22.2	2.2
23	12.5	11.6	9.3	7.1	6.0	5.0	3.2	7.0	11.0	12.1	13.5	14.9	16.0	16.4	16.5	16.3	15.6	14.2	12.8	11.5	10.6	9.9	7.6	8.7	11.2	16.5	3.2
24	8.7	8.6	8.6	8.7	8.4	8.3	7.8	8.0	8.1	8.3	8.2	8.0	9.6	10.4	10.5	10.6	10.6	10.5	10.0	8.6	5.7	3.4	2.6	1.8	8.1	10.6	1.8
25	1.5	1.0	-0.1	-1.7	-2.0	-2.2	-2.4	1.5	7.0	10.8	12.2	12.7	13.1	13.2	13.0	12.9	12.5	12.8	11.9	9.3	6.3	5.8	4.9	4.0	6.6	13.2	-2.4
26	2.6	2.9	2.9	1.8	0.6	-0.5	-0.9	2.7	7.9	11.9	13.4	13.9	15.0	15.6	16.3	16.8	17.0	17.1	16.5	12.4	10.1	7.8	6.0	4.8	8.9	17.1	-0.9
27	4.0	4.1	3.4	2.5	1.7	1.6	1.9	3.7	10.4	15.8	17.4	18.3	19.9	20.7	21.1	21.6	22.1	21.4	20.5	17.4	15.3	14.0	13.7	12.7	12.7	22.1	1.6
28	11.4	10.1	8.9	7.9	7.6	7.2	8.2	11.9	17.2	18.7	19.8	20.2	21.0	22.0	22.2	21.9	21.9	21.3	21.1	16.3	13.3	11.2	8.8	7.4	14.9	22.2	7.2
29	6.3	4.9	4.2	3.6	4.6	4.9	5.7	10.1	16.2	20.0	22.2	23.2	24.2	24.9	25.5	26.2	26.1	24.8	23.5	21.3	20.8	19.9	19.3	19.8	16.8	26.2	3.6
30	18.9	17.0	14.4	11.3	9.7	8.4	8.1	9.0	13.3	19.6	23.5	25.8	26.8	27.1	27.3	27.5	27.4	27.1	24.1	21.2	19.6	18.4	17.1	19.1	19.2	27.5	8.1
31	17.7	15.8	16.4	15.2	12.8	9.7	9.1	13.3	19.8	25.6	27.7	28.5	29.4	30.1	29.2	29.3	27.9	27.2	25.5	23.7	21.1	17.7	16.5	14.5	21.0	30.1	9.1
Avg	9.1	8.3	7.4	6.5	5.8	5.3	5.8	9.2	13.5	16.5	17.9	18.9	20.0	20.7	21.2	21.3	20.7	20.1	19.1	16.6	14.2	12.5	11.1	10.5	13.9	21.7	4.2
Max	18.9	18.6	17.3	16.9	17.0	17.7	16.1	16.5	19.8	25.6	27.7	28.5	29.4	30.1	29.2	29.3	29.2	29.1	28.5	26.8	24.5	22.6	21.1	20.9	21.0	30.1	11.8
Min	1.5	1.0	-0.1	-1.7	-2.0	-2.2	-2.4	1.5	7.0	8.3	8.2	8.0	9.6	10.4	10.5	10.6	10.6	10.5	10.0	8.6	5.7	3.4	2.6	1.8	6.6	10.6	-2.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
September 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	17.3	15.4	14.9	15.8	15.2	13.2	13.8	15.3	19.1	21.8	23.8	25.2	26.0	26.5	26.8	25.3	22.7	21.9	19.3	17.4	15.6	14.8	15.9	17.0	19.2	26.8	13.2
2	14.9	13.4	13.2	10.6	8.7	7.4	7.6	8.7	13.6	18.3	19.9	20.8	21.3	20.6	17.7	16.2	16.0	14.7	13.4	12.1	11.4	10.9	9.9	9.4	13.8	21.3	7.4
3	8.5	7.8	6.5	5.8	4.9	4.7	4.1	5.8	7.7	9.0	10.2	11.8	12.6	13.5	14.0	14.5	14.3	14.0	12.9	11.2	11.9	10.3	7.9	7.3	9.6	14.5	4.1
4	7.2	6.1	5.6	5.3	4.8	4.8	4.7	5.1	5.4	6.2	6.4	5.9	5.0	4.1	4.5	4.3	4.2	3.9	3.7	3.6	3.4	3.4	3.5	3.6	4.8	7.2	3.4
5	3.5	3.5	3.7	3.7	3.7	3.7	3.9	4.1	4.1	4.3	4.8	5.2	5.0	5.6	6.2	6.2	5.6	6.1	6.0	4.8	3.0	1.7	0.6	-0.2	4.1	6.2	-0.2
6	-0.6	-1.4	-1.9	-2.5	-2.5	-2.8	-2.3	-0.4	5.2	8.8	10.6	11.9	12.7	13.6	14.0	14.3	14.4	14.1	12.5	11.0	9.8	8.9	7.7	6.9	6.8	14.4	-2.8
7	6.5	6.6	6.3	5.9	5.0	3.8	2.6	5.1	7.0	8.3	9.3	10.2	11.6	12.1	12.9	13.1	13.1	13.3	12.1	8.6	5.4	4.3	3.5	3.0	7.9	13.3	2.6
8	4.1	7.3	9.0	8.2	8.9	9.2	8.9	11.0	8.5	10.2	11.8	12.5	12.6	12.8	12.8	12.0	11.6	11.2	10.5	9.3	8.5	6.5	7.0	5.2	9.6	12.8	4.1
9	4.7	5.2	4.8	4.0	3.9	3.8	3.6	3.7	4.6	5.6	6.9	7.9	8.8	10.3	11.0	12.3	12.8	12.7	11.2	7.1	4.2	2.1	0.8	-0.3	6.3	12.8	-0.3
10	-0.9	-1.6	-2.0	-1.5	-1.5	-1.4	-1.1	0.0	6.3	13.5	15.0	15.9	16.8	17.8	18.8	19.1	19.4	19.6	19.0	16.9	14.4	11.8	8.8	6.3	9.6	19.6	-2.0
11	4.6	3.6	2.2	1.3	0.3	0.8	-0.4	3.4	9.7	15.7	14.8	13.9	12.7	11.3	11.1	10.5	9.2	7.5	5.5	4.8	4.3	3.6	2.5	2.7	6.5	15.7	-0.4
12	2.6	2.0	2.2	2.2	1.9	1.5	1.0	1.1	1.6	2.5	3.3	3.9	4.3	4.4	4.0	3.8	3.9	3.8	3.1	2.5	2.5	2.4	1.9	1.1	2.6	4.4	1.0
13	1.0	0.5	-0.5	-2.1	-3.1	-2.0	0.3	1.3	1.6	2.3	2.9	3.6	4.4	5.6	6.6	7.3	7.1	6.6	4.8	3.7	2.5	1.7	0.6	-0.5	2.3	7.3	-3.1
14	-1.8	-2.1	-2.2	-2.2	-2.9	-3.4	-3.0	-0.6	4.3	9.1	10.9	12.6	13.5	13.4	13.4	13.2	12.3	11.6	10.5	9.4	7.1	5.9	4.8	4.7	5.8	13.5	-3.4
15	4.1	4.8	4.6	4.2	3.6	3.3	2.8	4.0	5.4	7.8	11.0	13.5	15.3	15.8	16.0	16.2	15.8	15.2	13.1	8.0	5.1	4.3	3.6	1.9	8.3	16.2	1.9
16	0.9	1.1	0.6	-0.4	-0.5	-1.0	-1.5	0.6	6.4	12.1	13.8	15.1	16.1	17.1	17.8	18.2	18.2	17.5	14.3	9.7	7.5	6.1	3.6	1.8	8.1	18.2	-1.5
17	0.8	0.5	-0.8	-1.6	-1.3	-1.0	-1.1	1.2	4.5	11.8	15.5	15.6	16.0	15.8	14.8	15.6	16.7	16.5	15.9	15.6	15.4	15.0	13.7	12.7	9.5	16.7	-1.6
18	12.3	12.1	12.0	12.1	11.6	11.5	11.1	11.4	11.8	12.8	13.4	13.1	13.3	13.5	14.1	14.0	14.1	13.7	12.9	12.0	11.2	10.3	9.7	8.5	12.2	14.1	8.5
19	7.9	7.9	7.1	5.4	2.2	0.2	-0.2	1.9	7.4	11.7	12.4	13.3	15.4	16.4	17.1	16.7	16.9	16.0	14.5	13.0	12.2	10.0	8.7	7.4	10.1	17.1	-0.2
20	7.0	6.5	5.7	4.9	4.2	2.9	2.1	4.2	6.9	10.4	13.1	14.0	13.6	14.2	14.5	14.3	11.9	10.2	8.4	8.1	6.9	6.6	6.7	6.7	8.5	14.5	2.1
21	7.0	6.7	6.2	5.9	6.3	6.3	6.5	6.3	6.8	7.1	7.0	7.2	7.5	7.7	7.7	7.7	7.4	7.2	6.9	7.0	6.7	6.2	6.1	5.9	6.8	7.7	5.9
22	6.0	5.9	5.8	5.9	5.7	5.7	5.8	6.1	6.6	7.4	7.7	8.8	9.3	8.9	8.4	8.7	8.6	8.9	8.5	8.0	7.9	7.7	7.7	7.6	7.4	9.3	5.7
23	7.2	7.0	7.0	7.3	7.1	6.7	6.4	6.5	6.8	7.1	6.6	7.2	8.1	9.0	9.0	9.0	9.2	8.9	8.4	8.1	8.0	7.6	6.8	5.2	7.5	9.2	5.2
24	3.4	2.1	2.1	1.7	1.5	1.1	1.2	1.7	5.5	7.3	8.8	9.6	9.6	9.8	10.0	10.2	9.7	9.3	8.7	7.7	6.2	4.1	2.3	1.3	5.6	10.2	1.1
25	0.2	-0.6	-1.8	-2.4	-3.1	-3.7	-3.7	-2.2	3.0	6.8	8.1	9.4	10.5	11.7	12.7	13.5	13.6	13.8	12.6	12.0	11.3	10.6	8.5	6.4	6.1	13.8	-3.7
26	4.1	2.5	1.7	1.5	0.8	0.8	-0.3	0.6	5.0	11.4	13.5	15.0	16.5	17.6	18.5	19.1	19.2	18.1	13.6	9.0	6.5	4.4	3.3	2.5	8.5	19.2	-0.3
27	2.3	1.9	1.4	0.6	0.4	0.4	1.3	1.8	7.2	14.7	19.2	20.7	21.4	22.2	22.2	22.2	22.0	20.6	15.8	11.5	9.2	7.5	6.4	4.8	10.7	22.2	0.4
28	3.8	2.8	1.7	1.2	0.2	-0.5	-0.6	0.3	7.2	13.2	Au	Au	Au	Au	Au	18.7	18.0	16.0	13.7	12.7	11.8	9.3	7.4	5.6	7.5	18.7	-0.6
29	4.2	3.3	2.4	1.5	1.3	1.2	0.6	2.2	6.7	16.2	18.7	19.5	20.3	21.4	21.4	21.9	21.6	18.7	13.7	11.1	9.4	8.1	7.2	5.7	10.8	21.9	0.6
30	5.1	4.5	3.7	3.3	3.4	3.1	3.1	4.3	9.5	14.6	17.5	18.9	19.7	20.2	20.7	20.7	20.8	18.0	14.5	12.0	9.4	7.4	6.4	5.4	11.1	20.8	3.1
Avg	4.9	4.5	4.0	3.5	3.0	2.7	2.6	3.8	6.8	10.3	11.6	12.5	13.1	13.5	13.7	14.0	13.7	13.0	11.3	9.6	8.3	7.1	6.1	5.2	8.3	14.7	1.7
Max	17.3	15.4	14.9	15.8	15.2	13.2	13.8	15.3	19.1	21.8	23.8	25.2	26.0	26.5	26.8	25.3	22.7	21.9	19.3	17.4	15.6	15.0	15.9	17.0	19.2	26.8	13.2
Min	-1.8	-2.1	-2.2	-2.5	-3.1	-3.7	-3.7	-2.2	1.6	2.3	2.9	3.6	4.3	4.1	4.0	3.8	3.9	3.8	3.1	2.5	2.5	1.7	0.6	-0.5	2.3	4.4	-3.7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
July 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	13.0	10.9	8.2	8.8	8.2	7.6	10.5	14.7	19.2	21.3	22.8	24.0	24.3	25.3	25.9	26.6	26.3	25.3	25.5	22.9	20.0	17.4	17.3	14.5	18.4	26.6	7.6
2	11.3	9.8	8.9	8.5	7.2	8.2	10.9	15.6	19.2	21.7	22.9	23.9	25.3	25.6	25.5	25.8	24.7	23.0	22.7	21.5	19.1	19.4	15.2	11.9	17.8	25.8	7.2
3	9.7	8.3	7.7	6.3	4.6	5.0	8.5	13.8	18.1	19.1	20.7	20.9	22.3	23.2	24.3	25.1	25.2	24.4	23.6	21.6	19.4	17.2	12.8	10.1	16.3	25.2	4.6
4	7.9	6.9	5.2	4.0	2.7	3.2	5.5	10.6	15.4	15.8	17.8	19.3	20.9	21.7	22.5	22.8	22.5	21.3	19.2	17.3	16.0	14.3	12.8	12.2	14.1	22.8	2.7
5	7.6	4.6	1.9	0.5	-1.3	-0.5	4.8	11.5	13.3	14.5	15.2	16.3	17.1	17.4	18.2	18.8	19.1	18.5	18.0	15.6	14.3	11.1	8.2	6.5	11.3	19.1	-1.3
6	6.7	5.8	5.4	3.9	4.5	5.6	7.2	9.9	12.4	15.3	15.8	15.4	12.6	11.1	10.9	13.6	14.6	14.7	13.7	11.7	8.7	6.1	3.2	2.3	9.6	15.8	2.3
7	0.9	0.0	-0.7	-1.8	-3.0	-1.8	2.0	8.6	11.4	13.0	14.6	16.3	17.9	18.3	18.5	19.4	19.8	19.6	17.7	17.0	15.1	13.6	12.1	11.6	10.8	19.8	-3.0
8	9.8	7.9	7.2	6.2	5.7	5.5	9.5	15.1	19.6	21.2	23.4	25.5	26.5	26.2	26.1	25.0	21.5	19.7	14.4	13.4	12.3	11.9	10.6	8.8	15.5	26.5	5.5
9	8.4	8.8	7.1	5.7	4.6	4.9	8.3	12.7	17.8	20.5	21.0	22.4	23.1	23.9	22.2	15.3	13.3	15.2	15.0	14.6	13.4	12.7	12.0	11.3	13.9	23.9	4.6
10	11.0	10.6	10.4	8.8	7.7	8.4	9.4	10.6	11.6	12.5	13.3	13.8	14.3	14.9	11.3	9.8	9.8	9.9	10.2	9.6	9.1	8.4	8.3	6.6	10.4	14.9	6.6
11	6.3	6.2	6.1	5.3	4.7	4.0	4.0	4.2	4.7	5.2	5.7	6.3	7.6	9.2	9.9	10.9	12.1	12.5	12.3	11.6	9.6	8.3	7.1	4.1	7.4	12.5	4.0
12	2.4	1.3	0.7	0.2	-0.3	-0.5	2.5	8.1	11.3	12.5	13.7	14.7	15.2	16.1	17.3	17.7	17.6	17.8	17.1	15.4	12.4	11.4	10.7	9.9	10.2	17.8	-0.5
13	9.7	8.0	6.6	6.4	6.0	5.6	6.9	10.5	11.7	13.0	14.2	12.1	12.6	12.8	14.4	15.3	16.6	17.2	15.9	14.3	10.9	8.2	6.9	5.3	10.9	17.2	5.3
14	4.1	3.1	1.6	0.8	1.3	0.4	3.1	7.3	13.5	15.6	16.3	17.4	18.2	18.8	18.9	19.2	19.4	19.5	19.1	17.1	13.2	10.2	8.2	6.3	11.4	19.5	0.4
15	5.4	7.0	10.6	9.2	7.7	7.4	11.8	15.6	17.2	18.6	20.0	21.0	21.9	22.3	22.1	20.2	15.2	17.7	15.2	14.3	12.8	11.8	12.1	12.1	14.6	22.3	5.4
16	11.6	9.1	9.4	8.7	9.1	8.5	9.1	11.8	12.8	14.0	15.1	15.6	17.3	17.8	18.1	17.7	19.0	18.6	17.7	15.9	12.6	8.7	7.1	5.8	13.0	19.0	5.8
17	4.6	3.9	3.2	2.6	1.8	2.4	6.6	13.0	15.4	16.6	17.9	18.6	19.3	20.1	20.8	21.5	21.4	19.3	17.7	14.1	13.3	12.4	11.3	10.7	12.9	21.5	1.8
18	11.7	9.9	10.5	11.3	11.8	11.8	13.2	15.1	16.7	18.9	20.9	22.8	24.0	24.9	25.9	26.0	25.4	23.9	24.3	22.3	17.8	15.8	13.5	13.9	18.0	26.0	9.9
19	11.3	9.0	8.8	7.7	6.3	5.7	9.2	14.4	19.5	23.8	25.5	26.7	27.7	28.4	28.9	28.5	28.5	26.8	24.4	23.0	21.6	19.0	15.0	12.9	18.9	28.9	5.7
20	10.8	9.7	7.9	6.6	6.3	6.9	9.3	14.3	18.6	20.0	22.0	25.0	25.9	26.2	24.8	25.9	25.7	25.3	24.3	21.3	16.8	13.0	11.6	11.5	17.1	26.2	6.3
21	9.0	8.5	7.2	5.6	4.8	4.6	8.7	14.1	18.9	21.7	23.2	24.2	25.0	25.6	26.4	26.8	26.9	26.8	26.0	22.7	18.8	17.0	13.6	12.3	17.4	26.9	4.6
22	16.1	18.3	16.8	13.5	11.8	9.1	12.0	19.0	22.9	24.7	25.2	28.0	28.0	29.0	27.7	26.9	28.9	27.9	24.8	22.8	20.9	18.9	16.8	14.8	21.0	29.0	9.1
23	13.8	12.2	12.1	11.1	10.4	10.1	12.2	13.6	14.9	15.4	16.7	17.8	18.8	19.5	20.0	20.3	19.7	20.3	19.4	16.5	12.4	9.3	7.8	5.8	14.6	20.3	5.8
24	4.9	2.2	1.9	0.6	0.6	0.5	4.3	9.9	15.6	17.4	19.6	20.9	22.0	23.1	23.8	24.5	24.8	24.6	23.9	20.4	14.6	12.5	11.3	8.3	13.8	24.8	0.5
25	6.2	5.3	4.4	4.1	3.2	3.8	7.7	13.1	18.9	22.1	23.9	24.8	26.0	26.4	27.1	26.7	25.7	24.2	23.2	18.2	14.5	14.0	13.6	11.4	16.2	27.1	3.2
26	9.6	8.4	6.9	5.6	4.3	3.8	7.3	12.3	17.6	21.8	24.0	24.8	25.6	25.8	25.1	26.4	26.4	23.7	21.9	17.6	16.8	15.1	13.5	10.7	16.5	26.4	3.8
27	8.4	6.8	5.4	4.7	3.7	4.3	7.0	12.2	17.6	20.7	21.8	23.1	23.6	24.1	24.5	24.4	23.8	22.9	20.9	19.1	17.5	15.5	13.4	10.5	15.7	24.5	3.7
28	11.9	12.8	11.4	9.2	8.2	7.1	9.6	14.0	17.6	19.9	21.4	22.1	23.6	24.4	24.6	23.1	22.5	22.3	21.8	19.4	16.3	14.2	12.5	11.6	16.7	24.6	7.1
29	10.1	9.2	9.0	7.2	6.1	7.7	9.4	13.5	17.6	20.3	22.4	23.2	24.3	25.3	25.4	25.6	25.9	25.5	24.1	21.6	18.5	17.3	16.9	17.4	17.6	25.9	6.1
30	17.4	17.1	14.6	11.1	9.5	8.4	11.8	16.5	21.4	23.7	24.9	25.9	27.3	28.0	28.4	28.9	29.1	28.8	27.5	23.8	17.8	15.2	12.8	10.8	20.0	29.1	8.4
31	9.6	7.1	6.2	4.5	3.9	3.7	7.0	13.2	19.7	22.3	24.0	25.1	26.0	26.6	27.0	27.0	26.4	25.2	22.9	18.3	14.5	10.0	8.2	5.4	16.0	27.0	3.7
Avg	9.1	8.0	7.2	6.0	5.2	5.2	8.0	12.5	16.2	18.2	19.5	20.6	21.4	22.0	22.1	22.1	21.9	21.4	20.1	17.9	15.2	13.2	11.5	9.9	14.8	23.1	4.4
Max	17.4	18.3	16.8	13.5	11.8	11.8	13.2	19.0	22.9	24.7	25.5	28.0	28.0	29.0	28.9	28.9	29.1	28.8	27.5	23.8	21.6	19.4	17.3	17.4	21.0	29.1	9.9
Min	0.9	0.0	-0.7	-1.8	-3.0	-1.8	2.0	4.2	4.7	5.2	5.7	6.3	7.6	9.2	9.9	9.8	9.8	9.9	10.2	9.6	8.7	6.1	3.2	2.3	7.4	12.5	-3.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
August 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	4.2	2.4	0.4	-0.4	-1.3	-0.9	1.9	9.1	15.6	17.8	19.7	20.8	22.0	22.8	23.5	24.0	23.9	23.9	23.0	19.3	13.7	10.4	8.4	13.3	13.2	24.0	-1.3
2	15.7	14.1	10.4	8.3	7.2	5.2	6.8	12.0	18.3	21.4	23.6	25.2	27.0	28.2	28.9	29.7	30.0	29.2	27.9	26.0	24.0	21.2	19.5	16.9	19.9	30.0	5.2
3	15.0	12.7	10.2	9.4	9.2	11.7	12.3	12.7	13.4	14.5	15.7	16.5	17.3	18.2	18.7	17.6	17.5	16.6	15.5	13.5	10.5	8.7	8.1	6.6	13.4	18.7	6.6
4	4.3	2.3	0.5	0.1	-1.2	-1.9	1.4	6.8	12.1	14.6	16.3	18.2	20.0	21.2	22.3	23.1	23.3	23.0	22.0	18.6	15.7	14.8	13.8	14.8	12.8	23.3	-1.9
5	14.5	14.1	13.3	10.8	11.1	9.8	13.2	16.9	20.2	21.9	23.2	24.1	25.2	25.3	25.4	25.3	24.8	23.8	23.4	22.0	19.2	17.0	19.2	20.8	19.4	25.4	9.8
6	17.4	17.1	16.3	15.9	16.5	16.8	15.9	14.9	14.0	16.8	18.4	20.7	24.6	24.9	25.1	24.9	17.2	12.3	13.2	12.3	11.6	10.8	10.1	8.1	16.5	25.1	8.1
7	6.7	5.9	5.1	4.2	4.1	3.6	5.6	8.8	11.4	13.4	15.5	17.4	19.1	22.4	23.4	21.2	17.3	14.3	11.1	11.4	11.0	10.2	8.0	7.4	11.6	23.4	3.6
8	6.2	5.9	4.8	4.2	3.4	3.0	3.9	7.6	13.0	16.4	18.7	20.9	22.3	23.2	23.4	21.9	20.3	19.7	17.9	16.7	15.6	15.4	13.7	10.9	13.7	23.4	3.0
9	9.5	9.0	8.0	7.3	6.8	7.7	11.8	15.7	17.3	19.2	19.5	20.8	22.4	22.8	23.6	23.5	21.3	18.8	17.1	15.2	12.8	11.0	11.0	11.0	15.1	23.6	6.8
10	9.6	9.4	8.1	5.8	3.9	2.3	4.1	8.8	11.2	12.4	13.8	15.1	16.3	16.9	17.4	17.4	16.5	16.4	14.9	12.8	10.9	8.4	6.5	4.5	11.0	17.4	2.3
11	3.2	2.5	2.1	0.5	0.0	-0.6	1.1	6.7	12.2	14.4	15.8	17.4	18.7	19.6	19.3	18.3	19.3	19.5	18.5	15.0	11.5	10.1	9.0	7.0	10.9	19.6	-0.6
12	5.3	5.4	4.3	4.4	4.3	5.0	8.0	11.2	15.3	17.6	18.6	20.2	20.6	21.0	19.2	18.6	14.6	15.9	14.2	13.4	11.1	11.0	10.1	8.4	12.4	21.0	4.3
13	6.8	5.9	5.4	4.6	2.7	1.7	3.8	9.0	14.6	18.5	20.1	20.9	22.0	22.4	22.9	23.0	23.3	23.3	21.1	16.9	14.0	11.9	9.8	8.2	13.9	23.3	1.7
14	7.7	7.1	7.2	6.6	5.5	4.3	5.9	11.2	17.0	20.5	21.7	21.9	23.0	23.9	24.6	24.8	24.7	24.4	22.4	19.5	15.6	14.0	11.1	9.9	15.6	24.8	4.3
15	7.4	6.3	5.3	4.3	4.0	3.7	6.1	12.0	19.1	22.5	23.4	24.1	24.8	25.4	26.1	25.9	25.7	25.2	23.3	20.4	15.8	13.1	10.7	9.3	16.0	26.1	3.7
16	7.6	7.5	6.4	5.7	5.2	4.4	6.1	12.1	18.7	23.2	24.8	26.1	27.0	27.8	28.3	28.6	28.4	27.9	26.1	20.4	17.0	12.3	11.0	10.2	17.2	28.6	4.4
17	8.2	7.2	6.9	5.6	4.5	4.7	5.9	10.5	16.1	22.1	24.8	25.8	26.4	26.9	27.6	27.4	26.2	24.5	22.6	20.1	17.9	15.9	12.7	11.5	16.8	27.6	4.5
18	10.7	11.9	12.5	12.3	12.4	12.4	11.9	12.9	13.5	14.1	14.1	14.9	15.3	15.7	16.9	17.1	16.9	16.1	14.4	11.5	9.5	7.9	6.9	6.9	12.9	17.1	6.9
19	6.8	6.7	6.2	6.3	6.4	6.3	6.4	7.3	8.3	9.9	11.4	12.5	13.3	13.0	13.0	13.6	14.7	14.3	13.9	10.0	7.0	5.9	3.5	3.0	9.2	14.7	3.0
20	2.5	1.7	0.1	-0.7	-0.9	-1.1	0.0	4.3	10.2	14.6	16.8	18.5	19.5	20.6	20.8	21.1	21.4	21.3	20.0	13.9	11.2	9.8	7.4	5.3	10.8	21.4	-1.1
21	4.4	2.1	2.1	1.3	1.7	1.1	2.2	7.3	14.1	20.1	21.7	22.7	24.1	25.2	25.9	26.1	26.0	25.5	23.4	17.2	13.1	9.3	6.6	5.1	13.7	26.1	1.1
22	4.0	2.5	2.4	1.4	1.1	0.4	1.5	7.3	15.1	19.5	19.8	19.7	20.5	21.9	22.9	23.1	21.9	19.8	17.8	16.4	14.6	13.9	13.6	13.3	13.1	23.1	0.4
23	12.2	11.2	8.6	5.8	4.6	3.7	2.4	7.4	11.7	13.1	14.7	16.2	17.5	17.7	17.7	17.2	16.2	14.5	12.7	11.3	10.3	9.5	6.7	7.9	11.3	17.7	2.4
24	7.7	8.2	8.3	8.6	8.4	8.3	7.9	8.2	8.3	9.0	8.8	8.6	10.5	11.4	11.5	11.4	11.3	11.1	10.1	7.8	4.6	3.0	2.1	1.5	8.2	11.5	1.5
25	1.2	0.9	-0.8	-2.7	-3.2	-3.7	-2.6	1.9	7.5	11.6	12.9	13.3	13.8	13.8	13.2	13.2	12.7	13.1	11.6	8.3	5.2	5.5	4.4	3.5	6.4	13.8	-3.7
26	2.0	2.6	2.4	0.9	-0.7	-2.1	-1.4	3.0	8.4	12.5	14.3	14.8	16.2	16.7	17.5	18.0	17.9	17.7	16.4	11.3	9.1	6.0	4.5	3.5	8.8	18.0	-2.1
27	2.5	3.5	2.4	1.2	0.8	0.7	1.6	4.0	10.9	16.7	18.6	19.6	21.2	22.0	22.0	22.7	22.8	21.3	19.5	16.5	15.2	13.7	13.2	12.2	12.7	22.8	0.7
28	10.3	8.8	7.2	6.8	6.8	6.6	7.8	12.1	17.6	19.1	20.9	20.9	21.9	23.1	23.1	22.3	22.1	21.3	20.6	15.1	12.1	9.0	6.6	5.7	14.5	23.1	5.7
29	4.4	3.3	2.4	1.7	1.7	2.5	3.9	10.2	16.7	20.8	23.1	24.0	25.1	25.6	26.4	27.1	26.8	24.8	23.4	21.0	20.4	19.3	17.3	18.7	16.3	27.1	1.7
30	18.1	15.2	12.5	9.8	7.9	7.0	6.8	8.9	13.6	20.0	24.2	26.8	28.0	28.2	28.1	28.1	27.8	27.1	23.9	20.6	18.3	17.1	15.2	16.3	18.7	28.2	6.8
31	14.5	13.7	13.5	12.6	10.2	7.4	7.4	13.4	20.2	26.2	28.8	29.7	30.6	31.4	29.6	29.7	27.5	26.3	25.1	22.8	20.1	16.3	15.4	13.7	20.3	31.4	7.4
Avg	8.1	7.3	6.3	5.2	4.6	4.2	5.5	9.5	14.1	17.2	18.8	19.9	21.2	21.9	22.2	22.1	21.3	20.4	18.9	16.0	13.5	11.7	10.2	9.5	13.7	22.6	3.1
Max	18.1	17.1	16.3	15.9	16.5	16.8	15.9	16.9	20.2	26.2	28.8	29.7	30.6	31.4	29.6	29.7	30.0	29.2	27.9	26.0	24.0	21.2	19.5	20.8	20.3	31.4	9.8
Min	1.2	0.9	-0.8	-2.7	-3.2	-3.7	-2.6	1.9	7.5	9.0	8.8	8.6	10.5	11.4	11.5	11.4	11.3	11.1	10.1	7.8	4.6	3.0	2.1	1.5	6.4	11.5	-3.7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
September 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	16.1	14.3	14.4	15.5	14.2	11.8	13.4	15.3	19.0	22.2	25.0	26.5	26.9	27.7	27.8	25.5	22.8	21.5	19.0	17.1	14.8	13.8	14.2	16.1	19.0	27.8	11.8
2	14.7	13.1	12.7	9.4	7.3	6.4	6.7	8.8	14.0	18.8	20.7	22.0	22.5	21.4	18.1	16.4	16.3	14.8	13.4	11.6	10.8	10.6	9.8	9.2	13.7	22.5	6.4
3	8.3	7.7	6.3	5.5	4.9	4.7	4.1	6.1	8.1	9.4	10.8	12.6	13.3	14.3	14.8	15.0	14.5	14.0	12.6	10.6	11.8	10.3	7.9	7.3	9.8	15.0	4.1
4	7.2	6.2	5.8	5.4	4.9	4.8	4.8	5.1	5.5	6.3	6.6	6.0	5.1	4.4	4.8	4.5	4.4	4.1	3.8	3.7	3.5	3.6	3.7	3.7	4.9	7.2	3.5
5	3.7	3.6	3.8	3.9	3.9	3.8	4.1	4.3	4.3	4.6	5.1	5.7	5.6	6.4	6.9	6.9	6.0	6.5	6.1	4.1	2.0	1.1	0.3	-0.6	4.3	6.9	-0.6
6	-0.9	-1.7	-2.1	-2.7	-2.8	-3.1	-2.5	-0.2	5.5	9.3	11.4	12.9	13.4	14.5	14.7	14.9	14.7	13.9	12.2	10.7	9.7	8.8	7.5	6.9	6.9	14.9	-3.1
7	6.5	6.5	6.2	5.5	4.5	3.4	2.1	5.2	7.3	8.8	9.8	10.7	12.5	12.8	13.9	13.7	13.5	13.5	11.3	7.4	4.9	3.8	3.0	2.7	7.9	13.9	2.1
8	3.9	6.6	8.2	7.4	8.1	8.7	8.6	11.1	8.5	10.8	12.7	13.5	13.3	13.3	13.6	12.6	11.8	11.3	10.3	8.8	7.9	5.7	6.3	4.6	9.5	13.6	3.9
9	4.0	5.0	4.0	3.4	3.7	3.8	3.6	3.9	5.0	6.2	7.6	8.8	9.6	11.6	11.9	13.2	13.6	13.0	10.3	5.7	3.6	0.9	-0.7	-1.4	6.3	13.6	-1.4
10	-2.2	-2.5	-2.9	-2.3	-2.4	-2.5	-2.2	0.0	6.7	14.1	15.8	16.9	17.9	19.0	19.7	19.8	19.7	19.5	18.6	15.6	12.1	9.6	6.8	5.3	9.2	19.8	-2.9
11	3.8	2.2	1.0	-0.4	-1.2	-0.5	-0.9	3.7	9.9	16.2	15.6	14.7	13.5	11.6	11.4	10.5	9.1	7.5	5.4	4.7	4.2	3.5	2.5	2.6	6.3	16.2	-1.2
12	2.5	2.0	2.2	2.1	1.8	1.4	0.8	1.3	2.0	3.3	4.2	4.4	5.0	5.1	4.6	4.3	4.3	4.0	3.2	2.6	2.5	2.5	2.0	1.0	2.9	5.1	0.8
13	1.0	0.4	-1.0	-2.7	-3.8	-2.5	0.2	1.6	2.4	3.3	4.1	4.7	5.4	6.5	7.6	8.6	8.1	7.0	4.6	3.4	1.8	1.0	0.0	-1.2	2.5	8.6	-3.8
14	-2.5	-2.8	-2.2	-2.3	-3.1	-3.6	-3.2	-0.3	4.7	9.5	11.8	13.7	14.2	14.3	14.2	13.8	12.5	11.6	10.2	9.0	6.4	5.2	4.5	4.2	5.8	14.3	-3.6
15	3.8	4.4	4.3	3.7	3.0	2.5	2.5	4.2	5.7	8.3	11.7	14.5	16.4	16.8	17.0	17.2	16.1	15.4	11.8	6.9	3.9	3.6	2.9	0.6	8.2	17.2	0.6
16	-0.2	0.3	-0.4	-1.7	-2.1	-2.3	-2.7	0.9	6.8	12.8	14.9	16.2	17.4	18.2	18.7	19.1	18.7	17.4	13.2	8.8	6.9	5.7	2.3	0.0	7.9	19.1	-2.7
17	-1.0	-1.4	-2.5	-3.0	-2.6	-2.4	-1.3	1.4	4.8	12.3	15.9	16.1	16.3	16.0	14.3	15.3	16.4	16.1	15.5	15.1	15.2	14.9	13.6	12.5	9.1	16.4	-3.0
18	12.1	11.8	11.8	11.9	11.4	11.3	10.9	11.5	12.2	13.3	14.3	13.5	13.5	13.7	14.3	14.2	14.2	13.6	12.6	11.7	10.9	9.7	8.8	7.3	12.1	14.3	7.3
19	6.5	6.6	5.7	3.8	1.4	-0.1	-0.6	2.0	7.9	12.5	13.2	14.2	16.4	17.4	18.3	17.0	16.8	15.7	13.6	12.1	11.7	9.7	8.3	6.8	9.9	18.3	-0.6
20	6.6	5.6	5.0	4.2	3.2	1.7	1.2	4.2	7.2	10.8	13.7	14.6	14.1	14.8	15.2	14.9	12.3	10.0	8.3	8.0	6.9	6.6	6.8	6.7	8.4	15.2	1.2
21	7.0	6.7	6.1	5.8	6.3	6.2	6.4	6.4	7.2	7.5	7.3	7.6	8.0	8.2	8.2	8.1	7.7	7.3	7.0	7.0	6.6	6.2	6.1	5.9	6.9	8.2	5.8
22	6.0	5.9	5.8	5.9	5.8	5.7	5.8	6.3	6.9	7.6	8.0	9.3	10.0	9.4	8.7	9.0	8.8	9.0	8.6	8.0	7.9	7.8	7.7	7.5	7.6	10.0	5.7
23	7.2	6.9	7.0	7.2	7.1	6.7	6.4	6.6	7.0	7.6	7.1	7.8	8.7	9.8	9.6	9.4	9.5	8.9	8.2	8.0	7.9	7.4	6.5	4.5	7.6	9.8	4.5
24	3.0	1.8	1.6	1.1	0.7	0.4	1.0	1.6	5.8	7.7	9.6	10.5	10.1	10.3	10.6	10.8	10.0	9.3	8.6	7.0	5.5	3.1	2.2	0.9	5.5	10.8	0.4
25	-0.6	-1.0	-2.4	-3.4	-4.1	-4.5	-4.8	-2.1	3.5	7.6	9.1	10.5	11.7	12.7	13.7	14.3	13.7	13.8	12.3	11.9	11.1	10.2	7.5	5.4	6.1	14.3	-4.8
26	2.8	1.2	0.5	0.5	0.0	-0.2	-1.3	0.4	5.4	12.1	14.4	15.9	17.5	18.5	19.3	19.6	19.4	17.4	12.2	8.3	5.4	3.1	2.2	1.5	8.2	19.6	-1.3
27	0.8	0.0	-0.4	-1.0	-1.2	-0.9	-0.7	1.7	7.7	15.3	20.1	21.6	22.3	23.0	23.0	22.8	22.2	19.9	14.3	10.9	8.3	5.9	4.4	3.7	10.2	23.0	-1.2
28	2.6	1.4	0.4	0.0	-0.3	-1.4	-2.0	0.3	7.6	14.0	Au	Au	Au	Au	Au	19.4	18.3	15.8	13.2	11.9	10.6	7.6	6.2	4.4	6.8	19.4	-2.0
29	3.2	2.4	1.2	0.3	-0.2	-0.4	-0.9	1.5	7.0	16.6	19.2	20.2	21.0	22.2	21.8	22.5	21.9	17.7	12.6	10.0	8.2	7.0	6.3	4.6	10.2	22.5	-0.9
30	3.7	3.0	2.4	1.8	1.4	1.5	1.8	3.9	9.9	15.1	18.1	19.6	20.6	21.1	21.5	21.4	21.2	16.6	13.1	11.7	8.4	5.6	5.2	3.8	10.5	21.5	1.4
Avg	4.3	3.9	3.4	2.8	2.3	2.0	2.0	3.9	7.2	10.8	12.3	13.3	13.9	14.3	14.4	14.5	13.9	12.9	10.9	9.1	7.7	6.5	5.5	4.6	8.1	15.3	0.9
Max	16.1	14.3	14.4	15.5	14.2	11.8	13.4	15.3	19.0	22.2	25.0	26.5	26.9	27.7	27.8	25.5	22.8	21.5	19.0	17.1	15.2	14.9	14.2	16.1	19.0	27.8	11.8
Min	-2.5	-2.8	-2.9	-3.4	-4.1	-4.5	-4.8	-2.1	2.0	3.3	4.1	4.4	5.0	4.4	4.6	4.3	4.3	4.0	3.2	2.6	1.8	0.9	-0.7	-1.4	2.5	5.1	-4.8

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
July 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.76	0.79	1.19	0.50	0.35	0.33	-0.31	-0.42	-0.67	-0.95	-0.93	-1.10	-0.93	-1.13	-1.05	-1.04	-0.79	-0.32	-0.45	0.06	0.53	0.63	0.90	1.05	-0.13	1.19	-1.13
2	2.44	2.10	1.16	1.31	1.25	0.55	-0.21	-0.40	-0.37	-0.72	-1.04	-1.17	-1.34	-1.16	-0.85	-0.83	-0.40	0.19	0.37	0.36	1.24	0.17	0.45	0.72	0.16	2.44	-1.34
3	0.61	0.66	0.50	0.60	0.87	0.40	-0.30	-0.55	-0.69	-0.83	-1.12	-1.00	-1.35	-1.29	-1.03	-1.08	-0.78	-0.37	-0.08	0.50	0.65	1.07	1.47	1.02	-0.09	1.47	-1.35
4	1.01	1.62	1.21	0.77	0.93	0.61	-0.27	-0.39	-0.70	-0.79	-1.25	-1.31	-1.46	-1.41	-1.36	-1.17	-0.87	-0.60	-0.12	0.29	0.44	0.55	0.82	0.68	-0.12	1.62	-1.46
5	1.25	0.95	1.06	1.14	1.06	0.46	-0.48	-0.65	-0.97	-1.10	-1.04	-1.10	-1.15	-1.09	-1.19	-0.88	-0.61	-0.21	-0.09	0.73	0.63	0.73	0.96	0.89	-0.03	1.25	-1.19
6	0.72	1.01	0.89	0.96	0.54	0.22	-0.14	-0.20	-0.48	-1.01	-1.27	-0.90	-0.93	-0.59	-0.21	-1.14	-0.91	-0.77	-0.45	0.19	1.01	0.93	1.77	0.57	-0.01	1.77	-1.27
7	0.74	0.87	0.84	1.07	1.16	0.34	-0.33	-0.61	-1.07	-1.21	-1.18	-1.35	-1.48	-1.05	-0.86	-0.91	-0.64	-0.34	0.72	0.34	0.51	0.25	0.05	0.29	-0.16	1.16	-1.48
8	1.02	1.35	0.96	1.44	1.62	0.83	-0.25	-0.34	-0.68	-0.68	-1.05	-1.31	-1.25	-0.86	-0.61	-0.20	-0.10	0.24	0.34	0.27	0.40	0.53	0.73	0.84	0.14	1.62	-1.31
9	0.54	0.41	0.89	1.00	1.05	0.38	-0.34	-0.41	-0.56	-0.62	-0.86	-1.12	-0.98	-1.20	-0.52	0.26	-0.07	-0.33	-0.10	0.09	0.06	0.06	0.12	-0.07	-0.10	1.05	-1.20
10	-0.04	0.00	0.09	0.40	0.35	0.26	-0.10	-0.23	-0.28	-0.30	-0.39	-0.49	-0.65	-0.60	0.04	-0.04	-0.13	-0.18	-0.15	-0.03	0.02	0.07	-0.10	-0.05	-0.11	0.40	-0.65
11	-0.07	-0.04	-0.03	-0.08	-0.08	-0.10	-0.13	-0.22	-0.27	-0.17	-0.18	-0.19	-0.28	-0.47	-0.32	-0.36	-0.40	-0.42	-0.20	0.11	0.57	0.86	0.86	0.78	-0.03	0.86	-0.47
12	0.40	0.28	0.21	0.24	0.36	0.28	-0.36	-0.50	-0.86	-0.90	-0.96	-1.02	-0.90	-1.04	-1.19	-0.96	-0.73	-0.61	-0.20	0.50	0.23	0.14	0.05	0.37	-0.30	0.50	-1.19
13	0.51	0.78	0.20	-0.04	-0.04	0.04	-0.03	-0.40	-0.55	-0.69	-1.00	-0.33	-0.27	-0.26	-0.34	-0.45	-0.29	-0.32	0.17	0.80	0.72	0.23	0.13	0.55	-0.04	0.80	-1.00
14	0.51	0.57	0.76	0.77	0.62	0.78	-0.15	-0.46	-0.59	-0.92	-0.95	-1.07	-1.18	-1.15	-1.02	-0.92	-0.72	-0.55	-0.26	0.33	0.73	0.82	0.82	1.37	-0.08	1.37	-1.18
15	1.27	1.75	1.01	1.01	1.74	2.54	0.42	-0.45	-0.65	-0.99	-1.19	-1.05	-1.10	-0.86	-0.53	0.03	0.07	-0.46	-0.03	0.50	0.10	0.13	0.33	0.16	0.16	2.54	-1.19
16	0.15	0.72	0.02	0.09	0.18	0.10	-0.20	-0.68	-0.66	-0.90	-0.86	-0.75	-1.21	-1.10	-0.96	-0.53	-0.77	-0.67	-0.18	0.18	0.83	1.27	1.16	1.55	-0.13	1.55	-1.21
17	1.07	0.88	1.12	1.29	1.18	0.50	-0.28	-0.51	-0.94	-1.22	-1.18	-0.85	-0.77	-0.70	-0.62	-0.46	-0.36	-0.21	-0.02	0.03	0.07	0.13	0.32	0.57	-0.04	1.29	-1.22
18	0.63	1.14	0.90	0.47	0.61	0.34	-0.07	-0.40	-0.48	-0.95	-1.03	-1.12	-1.14	-1.00	-1.05	-0.81	-0.49	0.08	0.01	0.44	1.32	1.46	2.34	2.04	0.13	2.34	-1.14
19	2.06	1.26	1.15	0.87	1.26	0.87	-0.16	-0.43	-0.42	-0.70	-0.83	-0.93	-0.94	-0.92	-0.81	-0.40	-0.18	0.75	0.62	0.27	0.38	0.83	1.57	1.76	0.29	2.06	-0.94
20	0.94	1.37	1.19	1.39	1.37	0.94	0.09	-0.49	-0.56	-0.67	-0.63	-0.68	-0.98	-0.94	-0.40	-0.84	-0.62	-0.32	0.25	1.04	2.16	2.19	1.53	1.22	0.36	2.19	-0.98
21	1.37	0.88	1.18	1.60	0.87	1.39	-0.30	-0.46	-0.47	-0.69	-0.97	-1.03	-1.06	-1.00	-1.02	-0.83	-0.66	-0.46	0.04	0.84	0.62	1.25	1.81	2.45	0.22	2.45	-1.06
22	1.86	1.50	1.71	2.89	1.75	1.89	-0.23	-0.34	-0.46	-0.52	-0.11	-0.84	-0.63	-0.49	-0.13	0.07	-0.50	-0.21	0.16	0.32	0.39	0.44	0.55	0.75	0.41	2.89	-0.84
23	0.69	0.97	0.64	0.69	0.65	0.53	-0.15	-0.49	-0.77	-0.65	-1.04	-1.18	-1.26	-1.18	-1.02	-0.88	-0.22	-0.43	-0.10	1.00	1.93	1.26	0.61	1.06	0.03	1.93	-1.26
24	0.81	1.77	0.85	2.02	1.00	1.21	-0.13	-0.51	-0.75	-0.84	-1.12	-1.24	-1.21	-1.32	-1.12	-1.07	-0.91	-0.58	-0.08	1.18	0.76	0.95	0.80	1.04	0.06	2.02	-1.32
25	1.65	1.66	1.51	1.65	1.97	0.78	-0.33	-0.36	-0.45	-0.66	-0.93	-0.86	-1.07	-0.95	-0.98	-0.53	-0.63	-0.04	-0.08	0.62	0.43	0.41	0.44	0.55	0.16	1.97	-1.07
26	0.89	0.92	0.63	1.28	1.47	1.71	-0.12	-0.44	-0.65	-0.55	-0.72	-1.01	-0.99	-0.75	-0.37	-0.58	-0.53	-0.39	-0.05	0.18	0.38	0.54	0.60	1.36	0.12	1.71	-1.01
27	1.43	1.42	1.58	1.13	1.18	0.59	0.19	-0.40	-0.57	-0.95	-1.16	-1.16	-1.07	-1.19	-1.09	-0.91	-0.69	-0.52	0.52	0.83	0.40	0.87	1.10	1.35	0.12	1.58	-1.19
28	0.71	0.78	0.68	1.18	1.17	0.86	-0.10	-0.46	-0.53	-0.71	-0.93	-0.78	-1.09	-1.53	-1.35	-0.95	-0.76	-0.55	-0.35	0.01	0.20	0.07	0.43	0.58	-0.14	1.18	-1.53
29	0.92	1.03	0.71	1.31	1.29	0.71	-0.20	-0.52	-0.51	-0.76	-0.97	-0.97	-1.14	-1.30	-1.01	-0.82	-0.84	-0.57	-0.38	0.00	0.38	0.59	1.10	0.84	-0.05	1.31	-1.30
30	0.51	0.52	1.43	2.73	1.13	1.53	-0.03	-0.48	-0.59	-0.91	-1.17	-1.33	-1.43	-1.40	-1.26	-1.13	-0.88	-0.51	0.18	1.51	1.01	0.84	1.32	0.90	0.10	2.73	-1.43
31	1.03	1.61	1.61	1.43	1.62	1.83	-0.24	-0.51	-0.56	-0.86	-1.22	-1.33	-1.36	-1.33	-1.26	-1.09	-0.85	-0.50	0.12	1.89	2.31	1.30	0.55	1.51	0.24	2.31	-1.36
Avg	0.92	1.02	0.90	1.07	0.98	0.76	-0.17	-0.44	-0.61	-0.79	-0.94	-0.99	-1.05	-1.01	-0.82	-0.69	-0.56	-0.33	0.00	0.50	0.69	0.70	0.83	0.93	0.04	1.66	-1.17
Max	2.44	2.10	1.71	2.89	1.97	2.54	0.42	-0.20	-0.27	-0.17	-0.11	-0.19	-0.27	-0.26	0.04	0.26	0.07	0.75	0.72	1.89	2.31	2.19	2.34	2.45	0.41	2.89	-0.47
Min	-0.07	-0.04	-0.03	-0.08	-0.08	-0.10	-0.48	-0.68	-1.07	-1.22	-1.27	-1.35	-1.48	-1.53	-1.36	-1.17	-0.91	-0.77	-0.45	-0.03	0.02	0.06	-0.10	-0.07	-0.30	0.40	-1.53

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
August 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.43	1.27	2.03	1.89	1.85	1.17	0.32	-0.43	-0.69	-0.93	-1.18	-1.19	-1.33	-1.27	-1.27	-1.12	-0.83	-0.61	0.05	0.79	0.56	1.28	1.96	2.10	0.24	2.10	-1.33
2	0.92	1.08	1.76	1.95	1.46	1.48	0.34	-0.41	-0.53	-0.69	-0.88	-0.87	-0.99	-1.15	-1.17	-1.10	-0.85	-0.13	0.61	0.74	0.47	1.41	1.65	2.02	0.30	2.02	-1.17
3	1.70	1.39	1.55	2.93	1.40	0.71	0.13	-0.38	-0.87	-1.13	-1.39	-1.52	-1.55	-1.51	-1.42	-0.97	-1.00	-0.77	-0.30	0.33	1.28	1.50	1.40	1.17	0.11	2.93	-1.55
4	1.08	0.61	0.69	0.81	1.16	1.23	-0.19	-0.41	-0.54	-0.90	-0.88	-0.97	-0.99	-1.09	-1.10	-1.12	-1.01	-0.71	-0.25	0.78	0.88	0.80	0.84	0.53	-0.03	1.23	-1.12
5	0.62	0.56	0.61	1.02	1.03	2.04	0.03	-0.40	-0.82	-1.12	-1.39	-1.55	-1.55	-1.41	-0.99	-0.79	-0.51	-0.15	-0.03	0.45	0.97	1.47	0.75	0.15	-0.04	2.04	-1.55
6	1.37	1.51	1.02	0.97	0.58	0.83	0.19	-0.06	-0.15	-0.36	-0.57	-0.71	-1.72	-1.51	-0.89	-0.60	0.09	0.11	0.12	0.10	-0.03	-0.03	0.07	0.58	0.04	1.51	-1.72
7	0.89	0.87	1.01	1.10	1.18	0.94	0.26	-0.19	-0.07	0.05	-0.50	-0.39	-0.50	-1.03	-0.85	-0.57	-0.57	-0.05	0.07	0.09	0.11	0.09	0.40	0.27	0.11	1.18	-1.03
8	0.42	0.15	0.24	0.15	0.17	0.10	-0.30	-0.31	-0.39	-0.55	-0.69	-0.92	-1.03	-1.08	-0.87	-0.32	-0.36	0.12	0.45	0.18	0.42	0.28	0.47	0.75	-0.12	0.75	-1.08
9	1.53	1.24	1.39	1.23	0.95	1.47	0.67	-0.17	-0.41	-0.87	-0.70	-0.96	-1.11	-0.86	-0.79	-0.54	-0.07	-0.19	-0.20	0.22	0.52	0.65	0.37	0.06	0.14	1.53	-1.11
10	-0.10	0.02	0.89	1.11	0.53	0.51	-0.29	-0.56	-0.84	-1.07	-1.29	-1.39	-1.49	-1.47	-1.27	-1.05	-0.69	-0.69	-0.17	0.67	1.09	1.12	0.33	0.69	-0.23	1.12	-1.49
11	0.48	0.51	0.93	1.01	0.81	1.36	-0.08	-0.48	-0.67	-0.95	-1.10	-1.24	-1.29	-1.39	-1.09	-0.68	-1.00	-0.78	-0.18	0.96	0.49	0.20	0.21	1.03	-0.12	1.36	-1.39
12	1.24	0.86	0.87	0.98	0.86	0.56	-0.27	-0.45	-0.61	-0.93	-1.07	-1.55	-1.41	-1.43	-0.88	-0.55	-0.20	-0.52	0.14	0.17	0.82	0.59	0.49	1.04	-0.05	1.24	-1.55
13	0.76	0.63	0.79	1.06	1.76	1.33	0.27	-0.42	-0.49	-0.72	-0.99	-1.16	-1.33	-1.19	-0.93	-0.83	-0.64	-0.50	0.59	0.35	0.43	0.54	0.96	1.48	0.07	1.76	-1.33
14	1.26	1.36	0.90	1.36	1.83	1.70	0.58	-0.42	-0.49	-0.88	-0.99	-0.95	-1.23	-1.24	-1.27	-1.11	-0.91	-0.56	0.13	0.69	0.63	0.74	1.36	1.27	0.16	1.83	-1.27
15	1.40	1.24	1.50	1.56	1.66	1.39	0.31	-0.41	-0.53	-0.89	-1.22	-1.32	-1.30	-1.16	-1.31	-1.19	-0.86	-0.51	-0.02	0.61	1.98	0.79	0.91	1.33	0.17	1.98	-1.32
16	1.87	0.81	1.71	1.12	1.42	1.35	0.44	-0.45	-0.45	-0.62	-0.87	-1.21	-1.03	-1.27	-1.12	-1.01	-0.78	-0.45	0.27	0.96	0.44	1.79	1.03	1.39	0.22	1.87	-1.27
17	1.42	1.58	1.47	1.39	1.68	1.23	0.63	-0.32	-0.49	-0.62	-0.84	-0.97	-1.16	-1.11	-1.23	-1.04	-0.83	-0.40	0.03	0.86	1.20	1.16	1.45	1.31	0.27	1.68	-1.23
18	1.10	0.76	0.23	0.28	0.11	-0.09	-0.12	-0.39	-0.51	-0.40	-0.37	-0.78	-0.82	-1.00	-0.98	-0.66	-0.36	-0.17	-0.17	-0.03	0.08	0.03	0.01	0.08	-0.17	1.10	-1.00
19	0.04	0.02	0.05	0.06	0.06	0.01	-0.06	-0.39	-0.52	-0.91	-1.11	-1.12	-1.19	-0.77	-0.54	-0.60	-0.83	-0.53	-0.25	0.41	0.32	0.02	0.54	0.42	-0.29	0.54	-1.19
20	0.40	0.55	0.89	1.29	1.07	1.10	0.07	-0.52	-0.51	-0.70	-0.92	-0.97	-0.97	-1.07	-0.97	-0.89	-0.74	-0.48	0.01	0.88	0.10	0.15	0.58	1.03	-0.03	1.29	-1.07
21	1.17	1.43	1.39	1.66	1.06	1.53	0.67	-0.39	-0.51	-0.73	-1.02	-1.06	-1.19	-1.11	-1.05	-0.88	-0.62	-0.21	0.81	1.31	0.35	0.82	1.55	1.33	0.26	1.66	-1.19
22	1.28	1.84	1.72	2.02	2.05	1.80	0.85	-0.41	-0.51	-0.84	-0.97	-0.81	-0.87	-1.12	-1.12	-0.93	-0.47	0.12	0.37	0.39	0.74	0.84	0.33	0.22	0.27	2.05	-1.12
23	0.29	0.37	0.75	1.27	1.47	1.34	0.75	-0.36	-0.72	-1.05	-1.19	-1.25	-1.48	-1.33	-1.16	-0.85	-0.61	-0.23	0.09	0.21	0.37	0.42	0.89	0.88	-0.05	1.47	-1.48
24	1.01	0.44	0.32	0.06	-0.01	-0.01	-0.13	-0.21	-0.24	-0.61	-0.62	-0.55	-0.86	-0.93	-0.94	-0.73	-0.68	-0.60	-0.10	0.74	1.12	0.41	0.46	0.30	-0.10	1.12	-0.94
25	0.25	0.08	0.62	1.01	1.18	1.60	0.24	-0.43	-0.50	-0.77	-0.70	-0.60	-0.63	-0.58	-0.24	-0.31	-0.26	-0.29	0.31	0.93	1.06	0.33	0.51	0.44	0.14	1.60	-0.77
26	0.62	0.26	0.49	0.85	1.34	1.63	0.50	-0.35	-0.50	-0.64	-0.85	-0.91	-1.18	-1.16	-1.15	-1.17	-0.86	-0.57	0.12	1.12	1.08	1.79	1.55	1.26	0.14	1.79	-1.18
27	1.48	0.61	0.96	1.29	0.97	0.98	0.35	-0.24	-0.47	-0.88	-1.18	-1.32	-1.35	-1.28	-0.87	-1.06	-0.75	0.03	1.02	0.88	0.13	0.28	0.44	0.47	0.02	1.48	-1.35
28	1.04	1.26	1.67	1.09	0.83	0.58	0.35	-0.22	-0.40	-0.42	-1.14	-0.73	-0.94	-1.14	-0.91	-0.38	-0.13	0.03	0.50	1.14	1.17	2.12	2.18	1.73	0.39	2.18	-1.14
29	1.91	1.68	1.76	1.91	2.89	2.44	1.84	-0.09	-0.49	-0.77	-0.93	-0.87	-0.88	-0.72	-0.85	-0.83	-0.66	0.04	0.11	0.24	0.35	0.66	1.99	1.13	0.49	2.89	-0.93
30	0.85	1.81	1.95	1.48	1.83	1.44	1.32	0.05	-0.33	-0.47	-0.74	-1.03	-1.13	-1.06	-0.80	-0.63	-0.34	-0.02	0.17	0.61	1.40	1.27	1.87	2.74	0.51	2.74	-1.13
31	3.15	2.11	2.88	2.55	2.62	2.21	1.70	-0.14	-0.38	-0.60	-1.07	-1.18	-1.19	-1.26	-0.39	-0.40	0.44	0.84	0.46	0.92	1.01	1.39	1.11	0.78	0.73	3.15	-1.26
Avg	1.06	0.93	1.13	1.24	1.22	1.16	0.37	-0.33	-0.50	-0.74	-0.95	-1.03	-1.15	-1.15	-0.98	-0.80	-0.58	-0.28	0.15	0.60	0.69	0.80	0.92	0.97	0.11	1.72	-1.23
Max	3.15	2.11	2.88	2.93	2.89	2.44	1.84	0.05	-0.07	0.05	-0.37	-0.39	-0.50	-0.58	-0.24	-0.31	0.44	0.84	1.02	1.31	1.98	2.12	2.18	2.74	0.73	3.15	-0.77
Min	-0.10	0.02	0.05	0.06	-0.01	-0.09	-0.30	-0.56	-0.87	-1.13	-1.39	-1.55	-1.72	-1.51	-1.42	-1.19	-1.01	-0.78	-0.30	-0.03	-0.03	-0.03	0.01	0.06	-0.29	0.54	-1.72

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
September 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.13	1.17	0.48	0.25	0.95	1.34	0.38	0.07	0.07	-0.42	-1.14	-1.33	-0.92	-1.24	-0.94	-0.19	-0.09	0.39	0.29	0.33	0.82	0.94	1.77	0.86	0.21	1.77	-1.33
2	0.16	0.34	0.47	1.16	1.39	0.98	0.90	-0.06	-0.44	-0.49	-0.77	-1.20	-1.26	-0.79	-0.37	-0.19	-0.27	-0.11	0.04	0.49	0.55	0.27	0.17	0.19	0.05	1.39	-1.26
3	0.21	0.04	0.26	0.31	0.00	-0.02	0.04	-0.28	-0.33	-0.42	-0.58	-0.88	-0.69	-0.83	-0.85	-0.50	-0.18	-0.02	0.36	0.60	0.12	0.03	0.07	0.01	-0.15	0.60	-0.88
4	0.02	-0.09	-0.11	-0.10	-0.12	-0.06	-0.07	-0.07	-0.05	-0.15	-0.22	-0.12	-0.08	-0.25	-0.28	-0.22	-0.23	-0.19	-0.16	-0.11	-0.16	-0.14	-0.15	-0.11	-0.13	0.02	-0.28
5	-0.13	-0.13	-0.19	-0.18	-0.15	-0.07	-0.19	-0.16	-0.22	-0.30	-0.29	-0.54	-0.58	-0.80	-0.75	-0.69	-0.33	-0.37	-0.06	0.72	0.97	0.53	0.36	0.45	-0.13	0.97	-0.80
6	0.31	0.28	0.18	0.17	0.26	0.31	0.13	-0.19	-0.30	-0.50	-0.79	-0.95	-0.70	-0.91	-0.72	-0.59	-0.26	0.22	0.25	0.27	0.14	0.15	0.18	-0.03	-0.13	0.31	-0.95
7	-0.09	0.05	0.10	0.36	0.52	0.44	0.55	-0.04	-0.29	-0.54	-0.48	-0.46	-0.86	-0.78	-1.00	-0.61	-0.42	-0.24	0.83	1.20	0.52	0.45	0.57	0.28	0.00	1.20	-1.00
8	0.21	0.65	0.79	0.73	0.81	0.46	0.31	-0.09	-0.04	-0.60	-0.90	-1.04	-0.66	-0.46	-0.73	-0.55	-0.27	-0.09	0.25	0.53	0.62	0.76	0.78	0.65	0.09	0.81	-1.04
9	0.67	0.29	0.83	0.59	0.15	0.03	0.01	-0.18	-0.38	-0.63	-0.79	-0.92	-0.76	-1.21	-0.89	-0.88	-0.74	-0.29	0.82	1.39	0.59	1.23	1.53	1.15	0.07	1.53	-1.21
10	1.28	0.94	0.89	0.76	0.92	1.05	1.04	0.01	-0.37	-0.62	-0.78	-1.01	-1.11	-1.11	-0.98	-0.72	-0.37	0.03	0.45	1.31	2.37	2.24	2.02	0.96	0.38	2.37	-1.11
11	0.78	1.42	1.22	1.80	1.57	1.36	0.51	-0.29	-0.27	-0.50	-0.79	-0.79	-0.76	-0.24	-0.26	0.03	0.06	0.03	0.08	0.16	0.11	0.08	0.00	0.15	0.23	1.80	-0.79
12	0.07	0.01	0.04	0.05	0.06	0.09	0.12	-0.11	-0.48	-0.77	-0.84	-0.58	-0.68	-0.69	-0.57	-0.53	-0.36	-0.25	-0.13	-0.12	-0.08	-0.10	-0.09	0.08	-0.24	0.12	-0.84
13	-0.03	0.12	0.52	0.66	0.74	0.51	0.10	-0.28	-0.81	-0.92	-1.22	-1.10	-0.97	-0.86	-1.01	-1.27	-0.93	-0.42	0.20	0.29	0.65	0.68	0.66	0.67	-0.17	0.74	-1.27
14	0.71	0.69	0.07	0.04	0.23	0.25	0.23	-0.29	-0.34	-0.42	-0.90	-1.14	-0.79	-0.88	-0.75	-0.54	-0.18	-0.03	0.25	0.41	0.76	0.73	0.38	0.46	-0.04	0.76	-1.14
15	0.35	0.38	0.32	0.49	0.61	0.81	0.28	-0.19	-0.32	-0.47	-0.68	-0.96	-1.07	-1.01	-0.97	-0.94	-0.35	-0.18	1.34	1.08	1.21	0.67	0.72	1.31	0.10	1.34	-1.07
16	1.15	0.82	1.10	1.33	1.64	1.30	1.14	-0.26	-0.40	-0.75	-1.06	-1.12	-1.25	-1.03	-0.97	-0.84	-0.54	0.05	1.16	0.88	0.52	0.47	1.31	1.79	0.27	1.79	-1.25
17	1.86	1.92	1.69	1.32	1.27	1.38	0.23	-0.21	-0.26	-0.47	-0.42	-0.44	-0.36	-0.14	0.50	0.33	0.31	0.39	0.46	0.48	0.28	0.14	0.11	0.15	0.44	1.92	-0.47
18	0.22	0.28	0.22	0.23	0.21	0.13	0.16	-0.15	-0.32	-0.50	-0.86	-0.41	-0.20	-0.20	-0.27	-0.15	-0.05	0.02	0.27	0.36	0.28	0.58	0.89	1.25	0.08	1.25	-0.86
19	1.46	1.22	1.34	1.61	0.77	0.39	0.39	-0.15	-0.53	-0.80	-0.78	-0.84	-0.98	-0.96	-1.15	-0.28	0.15	0.28	0.88	0.94	0.55	0.29	0.43	0.66	0.20	1.61	-1.15
20	0.41	0.88	0.66	0.65	1.00	1.16	0.97	0.03	-0.31	-0.41	-0.65	-0.57	-0.47	-0.65	-0.65	-0.57	-0.43	0.23	0.11	0.11	0.08	0.05	-0.04	0.03	0.07	1.16	-0.65
21	0.01	0.09	0.04	0.05	0.03	0.10	0.13	-0.10	-0.38	-0.40	-0.30	-0.39	-0.44	-0.47	-0.44	-0.41	-0.28	-0.18	-0.10	0.01	0.08	-0.02	0.01	-0.02	-0.14	0.13	-0.47
22	-0.03	-0.01	-0.08	-0.03	-0.06	-0.01	-0.03	-0.15	-0.22	-0.17	-0.28	-0.47	-0.65	-0.42	-0.27	-0.25	-0.21	-0.10	-0.03	-0.02	-0.05	-0.02	-0.01	0.06	-0.15	0.06	-0.65
23	0.03	0.06	0.01	0.07	0.02	0.03	0.01	-0.11	-0.22	-0.48	-0.55	-0.58	-0.62	-0.83	-0.60	-0.34	-0.29	-0.04	0.21	0.18	0.14	0.21	0.27	0.69	-0.11	0.69	-0.83
24	0.38	0.36	0.54	0.54	0.77	0.69	0.23	0.13	-0.30	-0.40	-0.85	-0.92	-0.49	-0.50	-0.55	-0.51	-0.21	0.00	0.15	0.65	0.73	1.01	0.17	0.47	0.09	1.01	-0.92
25	0.84	0.45	0.68	0.97	1.02	0.84	1.07	-0.11	-0.49	-0.80	-1.01	-1.12	-1.11	-1.03	-0.98	-0.78	-0.16	-0.05	0.21	0.12	0.17	0.42	1.04	1.07	0.05	1.07	-1.12
26	1.28	1.31	1.11	1.01	0.83	1.04	0.98	0.26	-0.38	-0.75	-0.87	-0.92	-0.98	-0.90	-0.76	-0.54	-0.20	0.75	1.36	0.73	1.12	1.31	1.08	1.02	0.37	1.36	-0.98
27	1.49	1.91	1.92	1.66	1.56	1.36	2.10	0.19	-0.46	-0.60	-0.83	-0.94	-0.96	-0.87	-0.82	-0.64	-0.26	0.78	1.56	0.60	0.96	1.67	1.97	1.08	0.60	2.10	-0.96
28	1.19	1.36	1.28	1.23	0.60	0.84	1.34	0.00	-0.42	-0.81	Au	Au	Au	Au	Au	-0.73	-0.33	0.26	0.47	0.81	1.22	1.62	1.20	1.18	0.65	1.62	-0.81
29	1.00	0.99	1.19	1.23	1.50	1.62	1.56	0.69	-0.21	-0.45	-0.44	-0.64	-0.75	-0.82	-0.45	-0.64	-0.29	1.04	1.09	1.07	1.17	1.09	0.91	1.10	0.52	1.62	-0.82
30	1.41	1.43	1.36	1.55	1.97	1.55	1.37	0.43	-0.34	-0.57	-0.59	-0.73	-0.90	-0.85	-0.80	-0.66	-0.34	1.42	1.39	0.35	0.94	1.86	1.27	1.57	0.59	1.97	-0.90
Avg	0.61	0.64	0.63	0.68	0.70	0.66	0.53	-0.06	-0.33	-0.54	-0.71	-0.80	-0.76	-0.75	-0.66	-0.51	-0.27	0.11	0.47	0.53	0.58	0.64	0.65	0.64	0.12	1.17	-0.93
Max	1.86	1.92	1.92	1.80	1.97	1.62	2.10	0.69	0.07	-0.15	-0.22	-0.12	-0.08	-0.14	0.50	0.33	0.31	1.42	1.56	1.39	2.37	2.24	2.02	1.79	0.65	2.37	-0.28
Min	-0.13	-0.13	-0.19	-0.18	-0.15	-0.07	-0.19	-0.29	-0.81	-0.92	-1.22	-1.33	-1.26	-1.24	-1.15	-1.27	-0.93	-0.42	-0.16	-0.12	-0.16	-0.14	-0.15	-0.11	-0.24	0.02	-1.33

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
July 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	5	85	214	419	598	748	866	952	747	896	780	771	609	326	237	71	3	0	0	0	347	952	0
2	0	0	0	0	5	100	200	349	393	668	842	963	1023	870	655	632	407	246	113	23	1	0	0	0	312	1023	0
3	0	0	0	0	3	94	252	424	566	655	791	761	948	864	732	730	565	351	234	85	4	0	0	0	336	948	0
4	0	0	0	0	6	43	150	326	456	477	851	918	958	916	843	708	554	400	193	46	4	0	0	0	327	958	0
5	0	0	0	0	3	100	260	432	604	661	666	692	769	725	691	621	344	176	162	55	2	0	0	0	290	769	0
6	0	0	0	0	0	18	83	116	489	768	743	506	583	298	223	636	516	415	249	54	2	0	0	0	237	768	0
7	0	0	0	0	3	102	253	420	588	739	839	941	900	720	620	630	360	258	86	38	1	0	0	0	312	941	0
8	0	0	0	0	4	65	248	395	483	486	834	939	788	655	503	304	105	66	27	23	2	0	0	0	247	939	0
9	0	0	0	0	5	85	218	394	591	523	672	777	730	806	264	14	150	230	79	34	1	0	0	0	232	806	0
10	0	0	0	0	0	21	57	94	124	161	216	251	384	345	17	27	51	92	112	33	0	0	0	0	83	384	0
11	0	0	0	0	0	14	36	97	126	49	76	98	215	384	195	307	348	334	194	80	3	0	0	0	107	384	0
12	0	0	0	0	2	96	252	428	567	677	717	786	710	806	903	671	513	412	239	87	4	0	0	0	328	903	0
13	0	0	0	0	1	41	180	249	358	383	667	270	244	458	308	397	357	337	135	42	4	0	0	0	185	667	0
14	0	0	0	0	2	83	120	412	590	724	857	939	1032	881	778	747	560	399	231	71	2	0	0	0	351	1032	0
15	0	0	0	0	2	77	224	412	580	731	844	916	961	693	493	66	130	317	55	17	5	0	0	0	272	961	0
16	0	0	0	0	1	27	159	399	415	613	648	548	992	841	746	440	549	447	212	68	2	0	0	0	296	992	0
17	0	0	0	0	2	71	215	376	565	731	868	742	643	674	509	453	383	153	39	14	0	0	0	0	268	868	0
18	0	0	0	0	1	68	223	402	439	756	812	904	931	813	827	707	504	156	177	34	1	0	0	0	323	931	0
19	0	0	0	0	2	66	227	405	577	727	842	922	948	926	852	587	467	143	52	41	1	0	0	0	324	948	0
20	0	0	0	0	3	57	159	400	445	575	772	820	923	898	537	722	550	367	213	58	2	0	0	0	313	923	0
21	0	0	0	0	1	63	215	408	569	723	838	923	949	916	835	714	556	392	227	69	2	0	0	0	350	949	0
22	0	0	0	0	1	52	225	398	538	503	376	823	594	600	328	484	538	393	206	74	3	0	0	0	256	823	0
23	0	0	0	0	1	60	222	396	524	413	665	860	890	804	598	538	263	321	237	64	1	0	0	0	286	890	0
24	0	0	0	0	1	60	221	395	566	722	838	917	942	911	830	710	554	387	215	55	1	0	0	0	347	942	0
25	0	0	0	0	1	40	213	384	553	706	818	897	923	896	835	478	436	174	84	4	0	0	0	0	310	923	0
26	0	0	0	0	0	57	213	387	558	713	834	904	940	669	613	541	421	305	95	11	0	0	0	0	303	940	0
27	0	0	0	0	0	54	205	379	552	689	817	843	748	854	811	558	425	325	82	18	0	0	0	0	307	854	0
28	0	0	0	0	0	43	203	374	546	702	837	614	865	953	790	422	335	278	193	39	0	0	0	0	300	953	0
29	0	0	0	0	0	47	199	373	544	698	827	697	879	914	739	727	553	377	219	44	0	0	0	0	327	914	0
30	0	0	0	0	0	42	195	370	543	700	822	885	936	898	787	707	543	351	191	40	0	0	0	0	334	936	0
31	0	0	0	0	0	42	198	374	547	700	820	894	919	891	797	689	533	363	186	29	0	0	0	0	333	919	0
Avg	0	0	0	0	2	60	195	361	503	617	739	771	807	767	627	540	425	300	160	46	2	0	0	0	288	875	0
Max	0	0	0	0	6	102	260	432	604	768	868	963	1032	953	903	771	609	447	249	87	5	0	0	0	351	1032	0
Min	0	0	0	0	0	14	36	94	124	49	76	98	215	298	17	14	51	66	27	4	0	0	0	0	83	384	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
August 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	41	202	387	564	718	843	914	938	904	822	697	539	364	188	34	0	0	0	0	340	938	0
2	0	0	0	0	0	26	151	322	508	662	805	896	932	894	796	674	520	246	45	12	0	0	0	0	312	932	0
3	0	0	0	0	0	31	174	327	541	694	817	890	921	890	809	517	504	355	171	32	0	0	0	0	320	921	0
4	0	0	0	0	0	36	189	368	542	698	823	899	925	891	813	693	532	358	184	30	0	0	0	0	333	925	0
5	0	0	0	0	0	30	175	351	527	682	777	841	861	716	532	419	292	103	58	14	0	0	0	0	266	861	0
6	0	0	0	0	0	0	21	34	79	241	343	585	970	866	568	300	5	5	26	10	0	0	0	0	169	970	0
7	0	0	0	0	0	24	149	128	148	123	577	350	482	863	644	332	314	3	10	2	0	0	0	0	173	863	0
8	0	0	0	0	0	20	138	339	518	672	791	857	889	883	702	334	334	169	20	4	0	0	0	0	278	889	0
9	0	0	0	0	0	17	136	267	492	657	523	746	897	635	736	391	128	210	134	5	0	0	0	0	249	897	0
10	0	0	0	0	0	25	175	350	519	671	803	887	939	902	693	612	393	349	137	15	0	0	0	0	311	939	0
11	0	0	0	0	0	23	170	342	516	672	797	901	790	893	606	376	502	340	154	15	0	0	0	0	296	901	0
12	0	0	0	0	0	11	151	276	522	665	688	933	853	866	425	273	150	324	38	9	0	0	0	0	258	933	0
13	0	0	0	0	0	20	164	335	513	672	791	876	896	862	774	526	476	288	87	12	0	0	0	0	304	896	0
14	0	0	0	0	0	8	140	327	495	579	660	667	826	843	807	673	494	313	120	15	0	0	0	0	290	843	0
15	0	0	0	0	0	14	145	321	499	655	767	861	880	861	775	648	483	305	132	13	0	0	0	0	307	880	0
16	0	0	0	0	0	14	146	323	507	663	785	859	888	852	755	638	468	299	108	7	0	0	0	0	305	888	0
17	0	0	0	0	0	16	102	265	437	573	724	758	808	772	753	578	412	246	71	10	0	0	0	0	272	808	0
18	0	0	0	0	0	0	5	151	156	98	125	330	259	512	590	375	79	19	8	0	0	0	0	0	113	590	0
19	0	0	0	0	0	3	42	206	315	626	706	843	792	381	249	367	466	262	125	8	0	0	0	0	225	843	0
20	0	0	0	0	0	12	149	317	493	649	753	834	856	804	732	618	463	294	107	6	0	0	0	0	295	856	0
21	0	0	0	0	0	6	137	315	495	655	781	861	884	849	762	627	463	286	109	5	0	0	0	0	301	884	0
22	0	0	0	0	0	5	109	289	497	652	767	609	592	782	748	618	391	134	53	3	0	0	0	0	260	782	0
23	0	0	0	0	0	7	44	291	473	636	759	824	880	783	665	433	318	129	32	3	0	0	0	0	262	880	0
24	0	0	0	0	0	1	15	53	51	201	219	352	470	461	500	330	261	248	78	5	0	0	0	0	135	500	0
25	0	0	0	0	0	4	121	292	470	629	554	360	351	248	95	128	123	145	44	2	0	0	0	0	149	629	0
26	0	0	0	0	0	3	42	291	469	656	536	677	801	685	721	616	366	273	89	1	0	0	0	0	259	801	0
27	0	0	0	0	0	2	37	155	448	620	707	791	826	712	476	603	372	136	50	1	0	0	0	0	247	826	0
28	0	0	0	0	0	6	79	243	331	388	711	437	605	647	470	209	141	166	92	1	0	0	0	0	189	711	0
29	0	0	0	0	0	3	96	277	457	601	710	788	818	564	665	580	406	164	72	1	0	0	0	0	258	818	0
30	0	0	0	0	0	1	35	198	287	508	717	826	851	676	567	459	310	170	45	0	0	0	0	0	235	851	0
31	0	0	0	0	0	1	86	265	444	604	724	799	822	770	282	277	90	21	12	0	0	0	0	0	217	822	0
Avg	0	0	0	0	0	13	114	271	429	575	680	744	790	751	630	481	348	217	84	9	0	0	0	0	256	841	0
Max	0	0	0	0	0	41	202	387	564	718	843	933	970	904	822	697	539	364	188	34	0	0	0	0	340	970	0
Min	0	0	0	0	0	0	5	34	51	98	125	330	259	248	95	128	5	3	8	0	0	0	0	0	113	500	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
September 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	1	42	114	189	403	666	742	556	656	499	152	152	27	20	0	0	0	0	0	176	742	0
2	0	0	0	0	0	4	39	193	372	506	496	756	708	375	148	66	116	42	12	0	0	0	0	0	160	756	0
3	0	0	0	0	0	2	45	105	158	220	504	641	268	498	382	227	99	50	9	0	0	0	0	0	134	641	0
4	0	0	0	0	0	0	8	18	30	57	119	64	36	84	73	35	50	30	5	0	0	0	0	0	25	119	0
5	0	0	0	0	0	0	24	26	55	149	153	208	240	362	302	249	83	143	27	0	0	0	0	0	84	362	0
6	0	0	0	0	0	2	48	223	405	552	602	579	444	626	457	342	168	62	18	0	0	0	0	0	189	626	0
7	0	0	0	0	0	1	16	196	259	362	280	287	574	457	611	355	263	194	31	0	0	0	0	0	162	611	0
8	0	0	0	0	0	0	62	205	239	593	710	808	450	364	558	352	214	137	29	0	0	0	0	0	197	808	0
9	0	0	0	0	0	0	12	44	159	260	383	462	414	751	506	499	364	191	27	0	0	0	0	0	170	751	0
10	0	0	0	0	0	1	29	187	366	542	628	738	793	749	656	499	308	160	27	0	0	0	0	0	237	793	0
11	0	0	0	0	0	1	45	247	260	437	455	484	386	116	115	65	41	19	1	0	0	0	0	0	111	484	0
12	0	0	0	0	0	0	27	138	253	433	486	284	307	304	203	191	95	49	9	0	0	0	0	0	116	486	0
13	0	0	0	0	0	0	21	125	325	346	503	451	375	455	548	511	336	163	20	0	0	0	0	0	174	548	0
14	0	0	0	0	0	1	88	266	447	502	545	675	414	402	328	214	58	33	6	0	0	0	0	0	166	675	0
15	0	0	0	0	0	0	13	105	151	419	596	661	770	733	622	522	225	149	12	0	0	0	0	0	207	770	0
16	0	0	0	0	0	0	62	227	397	549	672	740	756	720	564	493	327	144	10	0	0	0	0	0	236	756	0
17	0	0	0	0	0	2	57	77	149	399	277	295	243	176	89	104	59	39	3	0	0	0	0	0	82	399	0
18	0	0	0	0	0	0	21	130	242	447	620	263	177	184	210	152	117	64	5	0	0	0	0	0	110	620	0
19	0	0	0	0	0	0	50	193	377	613	432	474	623	556	641	220	113	55	4	0	0	0	0	0	181	641	0
20	0	0	0	0	0	0	18	79	168	404	442	437	195	399	310	285	213	9	2	0	0	0	0	0	123	442	0
21	0	0	0	0	0	0	4	44	142	139	81	162	186	201	149	112	64	26	1	0	0	0	0	0	55	201	0
22	0	0	0	0	0	0	5	52	96	64	161	411	225	110	65	61	48	27	2	0	0	0	0	0	55	411	0
23	0	0	0	0	0	0	8	52	90	199	171	198	228	348	193	83	85	14	0	0	0	0	0	0	70	348	0
24	0	0	0	0	0	0	3	88	183	250	557	603	291	304	334	277	111	36	1	0	0	0	0	0	127	603	0
25	0	0	0	0	0	0	30	206	363	510	637	691	687	653	558	424	150	85	1	0	0	0	0	0	208	691	0
26	0	0	0	0	0	0	36	119	357	509	606	652	660	598	489	391	230	81	2	0	0	0	0	0	197	660	0
27	0	0	0	0	0	0	32	196	362	516	635	698	705	659	558	422	255	83	2	0	0	0	0	0	213	705	0
28	0	0	0	0	0	0	28	181	345	495	Au	Au	Au	Au	Au	409	243	74	1	0	0	0	0	0	93	495	0
29	0	0	0	0	0	0	26	179	278	515	407	519	590	618	350	412	229	19	1	0	0	0	0	0	173	618	0
30	0	0	0	0	0	0	23	177	338	484	597	631	670	600	526	388	217	19	0	0	0	0	0	0	195	670	0
Avg	0	0	0	0	0	1	31	140	252	396	463	504	447	450	381	284	168	74	10	0	0	0	0	0	148	581	0
Max	0	0	0	0	0	4	88	266	447	613	710	808	793	751	656	522	364	194	31	0	0	0	0	0	237	808	0
Min	0	0	0	0	0	0	3	18	30	57	81	64	36	84	65	35	41	9	0	0	0	0	0	0	25	119	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
July 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.45	24.44	24.44	24.44	24.44	24.45	24.45	24.45	24.45	24.44	24.44	24.43	24.43	24.41	24.40	24.38	24.37	24.36	24.36	24.36	24.38	24.40	24.39	24.39	24.41	24.45	24.36
2	24.38	24.38	24.37	24.38	24.39	24.40	24.41	24.41	24.41	24.40	24.40	24.39	24.38	24.37	24.36	24.35	24.35	24.34	24.34	24.34	24.36	24.39	24.41	24.39	24.38	24.41	24.34
3	24.39	24.38	24.38	24.37	24.37	24.38	24.38	24.38	24.38	24.37	24.36	24.37	24.35	24.33	24.31	24.29	24.28	24.27	24.28	24.28	24.30	24.32	24.34	24.34	24.34	24.39	24.27
4	24.34	24.34	24.34	24.35	24.35	24.36	24.36	24.36	24.36	24.35	24.34	24.33	24.30	24.29	24.27	24.26	24.25	24.25	24.26	24.30	24.32	24.35	24.36	24.38	24.32	24.38	24.25
5	24.38	24.38	24.37	24.37	24.36	24.37	24.38	24.38	24.38	24.37	24.36	24.35	24.35	24.34	24.33	24.32	24.31	24.30	24.30	24.31	24.33	24.33	24.33	24.33	24.35	24.38	24.30
6	24.32	24.30	24.29	24.28	24.28	24.28	24.30	24.30	24.28	24.28	24.28	24.28	24.31	24.33	24.33	24.32	24.31	24.31	24.33	24.35	24.36	24.37	24.37	24.37	24.31	24.37	24.28
7	24.37	24.36	24.36	24.36	24.36	24.38	24.40	24.41	24.41	24.41	24.40	24.40	24.39	24.39	24.38	24.38	24.37	24.36	24.36	24.37	24.37	24.38	24.39	24.38	24.38	24.41	24.36
8	24.38	24.37	24.36	24.35	24.35	24.36	24.36	24.35	24.35	24.34	24.33	24.32	24.31	24.30	24.29	24.29	24.32	24.34	24.37	24.34	24.34	24.34	24.35	24.35	24.34	24.38	24.29
9	24.36	24.35	24.36	24.36	24.36	24.37	24.37	24.37	24.37	24.36	24.37	24.36	24.35	24.33	24.33	24.37	24.37	24.37	24.37	24.38	24.37	24.38	24.39	24.37	24.36	24.39	24.33
10	24.36	24.36	24.33	24.31	24.30	24.30	24.29	24.28	24.26	24.24	24.23	24.22	24.20	24.16	24.17	24.20	24.22	24.20	24.19	24.19	24.18	24.16	24.17	24.17	24.24	24.36	24.16
11	24.17	24.16	24.16	24.17	24.18	24.19	24.20	24.22	24.24	24.26	24.28	24.29	24.30	24.31	24.32	24.33	24.34	24.34	24.34	24.34	24.35	24.36	24.36	24.35	24.27	24.36	24.16
12	24.34	24.33	24.34	24.33	24.32	24.33	24.35	24.35	24.35	24.35	24.34	24.35	24.35	24.34	24.34	24.34	24.34	24.34	24.35	24.37	24.39	24.42	24.43	24.43	24.35	24.43	24.32
13	24.43	24.43	24.44	24.45	24.46	24.48	24.50	24.51	24.51	24.52	24.52	24.54	24.54	24.54	24.54	24.54	24.53	24.52	24.53	24.54	24.56	24.58	24.58	24.58	24.52	24.58	24.43
14	24.58	24.57	24.57	24.57	24.57	24.58	24.58	24.59	24.58	24.58	24.58	24.57	24.57	24.56	24.56	24.55	24.54	24.53	24.53	24.53	24.54	24.55	24.55	24.55	24.56	24.59	24.53
15	24.55	24.54	24.53	24.52	24.51	24.50	24.49	24.48	24.47	24.46	24.44	24.43	24.42	24.39	24.37	24.35	24.40	24.35	24.37	24.37	24.36	24.36	24.37	24.38	24.43	24.55	24.35
16	24.36	24.36	24.35	24.35	24.36	24.36	24.36	24.36	24.37	24.36	24.36	24.36	24.36	24.36	24.36	24.35	24.35	24.36	24.37	24.38	24.39	24.41	24.42	24.43	24.37	24.43	24.35
17	24.43	24.42	24.42	24.42	24.43	24.44	24.45	24.45	24.45	24.45	24.44	24.44	24.43	24.43	24.42	24.42	24.41	24.41	24.43	24.47	24.45	24.47	24.46	24.47	24.44	24.47	24.41
18	24.48	24.48	24.46	24.47	24.46	24.47	24.48	24.47	24.47	24.46	24.45	24.44	24.43	24.42	24.41	24.40	24.38	24.36	24.35	24.35	24.37	24.38	24.38	24.39	24.43	24.48	24.35
19	24.41	24.42	24.43	24.44	24.45	24.46	24.46	24.45	24.45	24.44	24.44	24.44	24.43	24.42	24.41	24.39	24.37	24.36	24.37	24.38	24.39	24.40	24.41	24.43	24.42	24.46	24.36
20	24.44	24.45	24.45	24.46	24.46	24.48	24.49	24.48	24.49	24.49	24.49	24.46	24.46	24.46	24.47	24.46	24.46	24.46	24.45	24.47	24.49	24.52	24.52	24.53	24.47	24.53	24.44
21	24.54	24.54	24.55	24.55	24.55	24.56	24.57	24.58	24.57	24.57	24.56	24.56	24.55	24.54	24.53	24.52	24.51	24.50	24.50	24.48	24.50	24.52	24.51	24.51	24.54	24.58	24.48
22	24.49	24.48	24.48	24.47	24.47	24.47	24.47	24.46	24.45	24.44	24.44	24.42	24.40	24.37	24.36	24.36	24.33	24.33	24.35	24.37	24.41	24.44	24.46	24.47	24.42	24.49	24.33
23	24.47	24.48	24.48	24.47	24.46	24.46	24.46	24.48	24.48	24.49	24.50	24.50	24.50	24.49	24.48	24.48	24.48	24.47	24.47	24.47	24.49	24.52	24.53	24.53	24.49	24.53	24.46
24	24.53	24.53	24.52	24.52	24.52	24.53	24.54	24.54	24.54	24.53	24.53	24.52	24.51	24.50	24.50	24.48	24.48	24.47	24.46	24.47	24.48	24.49	24.50	24.50	24.51	24.54	24.46
25	24.50	24.50	24.50	24.49	24.49	24.51	24.52	24.52	24.52	24.51	24.51	24.51	24.50	24.49	24.48	24.47	24.46	24.47	24.48	24.50	24.55	24.55	24.53	24.53	24.50	24.55	24.46
26	24.53	24.52	24.52	24.51	24.51	24.52	24.53	24.52	24.52	24.51	24.51	24.51	24.50	24.48	24.47	24.46	24.47	24.48	24.48	24.52	24.54	24.53	24.53	24.54	24.51	24.54	24.46
27	24.53	24.53	24.53	24.53	24.53	24.55	24.56	24.56	24.56	24.56	24.56	24.56	24.55	24.55	24.55	24.55	24.54	24.54	24.54	24.55	24.55	24.57	24.59	24.60	24.55	24.60	24.53
28	24.60	24.60	24.58	24.58	24.58	24.58	24.59	24.58	24.58	24.57	24.56	24.56	24.55	24.55	24.54	24.54	24.53	24.53	24.52	24.52	24.53	24.53	24.54	24.54	24.56	24.60	24.52
29	24.53	24.52	24.52	24.52	24.52	24.53	24.54	24.53	24.51	24.51	24.50	24.49	24.48	24.47	24.46	24.45	24.44	24.42	24.42	24.42	24.42	24.42	24.42	24.41	24.48	24.54	24.41
30	24.39	24.38	24.38	24.36	24.35	24.35	24.35	24.34	24.33	24.32	24.32	24.31	24.30	24.29	24.27	24.25	24.24	24.23	24.22	24.22	24.24	24.25	24.26	24.27	24.30	24.39	24.22
31	24.27	24.27	24.27	24.27	24.28	24.29	24.30	24.30	24.30	24.29	24.29	24.30	24.29	24.29	24.29	24.30	24.30	24.30	24.31	24.32	24.35	24.37	24.39	24.40	24.31	24.40	24.27
Avg	24.43	24.42	24.42	24.42	24.42	24.43	24.44	24.43	24.43	24.43	24.42	24.42	24.41	24.40	24.40	24.39	24.39	24.38	24.39	24.40	24.41	24.42	24.43	24.43	24.42	24.47	24.36
Max	24.60	24.60	24.58	24.58	24.58	24.58	24.59	24.59	24.58	24.58	24.58	24.57	24.57	24.56	24.56	24.55	24.54	24.54	24.54	24.55	24.56	24.58	24.59	24.60	24.56	24.60	24.53
Min	24.17	24.16	24.16	24.17	24.18	24.19	24.20	24.22	24.24	24.24	24.23	24.22	24.20	24.16	24.17	24.20	24.22	24.20	24.19	24.19	24.18	24.16	24.17	24.17	24.24	24.36	24.16

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
August 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.40	24.39	24.40	24.41	24.42	24.44	24.47	24.48	24.48	24.48	24.48	24.48	24.48	24.48	24.48	24.48	24.47	24.47	24.47	24.48	24.49	24.51	24.51	24.52	24.47	24.52	24.39
2	24.52	24.51	24.50	24.50	24.49	24.50	24.51	24.50	24.49	24.48	24.47	24.45	24.43	24.41	24.39	24.36	24.33	24.31	24.30	24.30	24.28	24.29	24.30	24.32	24.41	24.52	24.28
3	24.34	24.33	24.34	24.36	24.38	24.41	24.43	24.44	24.45	24.44	24.44	24.44	24.44	24.44	24.45	24.46	24.47	24.48	24.49	24.51	24.53	24.54	24.54	24.55	24.45	24.55	24.33
4	24.55	24.55	24.55	24.55	24.55	24.56	24.58	24.58	24.57	24.56	24.54	24.53	24.52	24.50	24.49	24.48	24.47	24.46	24.46	24.46	24.48	24.49	24.49	24.49	24.52	24.58	24.46
5	24.49	24.49	24.48	24.48	24.47	24.48	24.48	24.47	24.45	24.45	24.45	24.44	24.44	24.43	24.43	24.41	24.40	24.40	24.39	24.40	24.42	24.41	24.41	24.40	24.44	24.49	24.39
6	24.41	24.40	24.39	24.39	24.40	24.42	24.42	24.43	24.43	24.43	24.42	24.40	24.39	24.37	24.35	24.33	24.39	24.46	24.42	24.43	24.44	24.43	24.41	24.40	24.41	24.46	24.33
7	24.40	24.40	24.39	24.38	24.38	24.38	24.36	24.38	24.42	24.39	24.39	24.37	24.34	24.31	24.29	24.27	24.27	24.31	24.30	24.33	24.34	24.32	24.33	24.35	24.35	24.42	24.27
8	24.36	24.35	24.35	24.35	24.35	24.36	24.37	24.36	24.36	24.35	24.34	24.33	24.32	24.31	24.30	24.29	24.29	24.28	24.30	24.32	24.33	24.32	24.32	24.33	24.33	24.37	24.28
9	24.33	24.32	24.31	24.31	24.31	24.29	24.30	24.30	24.28	24.27	24.28	24.28	24.27	24.26	24.24	24.21	24.20	24.23	24.23	24.25	24.28	24.28	24.30	24.33	24.28	24.33	24.20
10	24.35	24.36	24.35	24.35	24.36	24.36	24.38	24.39	24.40	24.40	24.39	24.39	24.39	24.40	24.40	24.40	24.41	24.41	24.42	24.43	24.45	24.46	24.47	24.46	24.40	24.47	24.35
11	24.46	24.47	24.47	24.48	24.47	24.49	24.50	24.52	24.52	24.52	24.52	24.52	24.51	24.51	24.51	24.52	24.52	24.51	24.51	24.52	24.54	24.55	24.56	24.56	24.51	24.56	24.46
12	24.56	24.56	24.56	24.55	24.56	24.56	24.58	24.58	24.58	24.58	24.57	24.56	24.56	24.55	24.56	24.56	24.58	24.57	24.57	24.58	24.60	24.61	24.61	24.61	24.57	24.61	24.55
13	24.61	24.60	24.59	24.59	24.58	24.58	24.59	24.59	24.59	24.58	24.57	24.56	24.55	24.54	24.52	24.51	24.50	24.49	24.48	24.49	24.50	24.50	24.49	24.48	24.55	24.61	24.48
14	24.48	24.47	24.47	24.47	24.47	24.47	24.48	24.48	24.47	24.47	24.47	24.47	24.47	24.46	24.45	24.45	24.44	24.44	24.43	24.45	24.47	24.48	24.50	24.50	24.47	24.50	24.43
15	24.50	24.49	24.49	24.49	24.49	24.49	24.51	24.52	24.51	24.51	24.51	24.51	24.50	24.50	24.50	24.49	24.49	24.49	24.50	24.51	24.53	24.55	24.55	24.55	24.51	24.55	24.49
16	24.56	24.55	24.55	24.55	24.55	24.55	24.56	24.56	24.55	24.54	24.53	24.51	24.50	24.49	24.48	24.47	24.46	24.45	24.45	24.45	24.47	24.49	24.49	24.49	24.51	24.56	24.45
17	24.49	24.49	24.49	24.48	24.48	24.49	24.50	24.51	24.51	24.50	24.49	24.48	24.47	24.46	24.46	24.45	24.45	24.46	24.47	24.49	24.51	24.51	24.52	24.52	24.49	24.52	24.45
18	24.53	24.53	24.54	24.54	24.57	24.58	24.59	24.59	24.59	24.60	24.59	24.58	24.57	24.56	24.53	24.52	24.51	24.50	24.51	24.52	24.56	24.58	24.61	24.60	24.56	24.61	24.50
19	24.62	24.61	24.61	24.61	24.62	24.62	24.63	24.64	24.64	24.64	24.63	24.62	24.61	24.61	24.60	24.58	24.57	24.56	24.54	24.53	24.53	24.52	24.52	24.51	24.59	24.64	24.51
20	24.50	24.49	24.48	24.47	24.46	24.47	24.49	24.50	24.49	24.49	24.49	24.48	24.46	24.45	24.45	24.44	24.42	24.40	24.39	24.39	24.40	24.40	24.39	24.38	24.45	24.50	24.38
21	24.37	24.36	24.36	24.36	24.35	24.35	24.36	24.36	24.35	24.34	24.33	24.33	24.31	24.30	24.29	24.27	24.26	24.25	24.25	24.25	24.26	24.27	24.26	24.26	24.31	24.37	24.25
22	24.26	24.25	24.24	24.24	24.24	24.24	24.25	24.26	24.26	24.27	24.26	24.25	24.25	24.25	24.23	24.24	24.24	24.24	24.25	24.27	24.31	24.33	24.33	24.34	24.26	24.34	24.23
23	24.36	24.37	24.37	24.38	24.39	24.40	24.42	24.43	24.44	24.44	24.44	24.44	24.45	24.46	24.46	24.47	24.49	24.51	24.53	24.55	24.58	24.58	24.59	24.60	24.46	24.60	24.36
24	24.60	24.59	24.60	24.61	24.61	24.62	24.62	24.63	24.64	24.65	24.66	24.66	24.66	24.65	24.66	24.66	24.66	24.66	24.67	24.67	24.68	24.67	24.67	24.66	24.64	24.68	24.59
25	24.65	24.64	24.63	24.62	24.61	24.61	24.62	24.63	24.62	24.61	24.60	24.58	24.57	24.56	24.55	24.55	24.55	24.54	24.54	24.53	24.54	24.54	24.54	24.54	24.58	24.65	24.53
26	24.54	24.53	24.52	24.50	24.49	24.49	24.49	24.51	24.50	24.48	24.46	24.45	24.44	24.43	24.41	24.39	24.39	24.38	24.37	24.37	24.39	24.39	24.38	24.37	24.44	24.54	24.37
27	24.37	24.36	24.35	24.33	24.33	24.33	24.34	24.34	24.35	24.33	24.32	24.32	24.30	24.29	24.29	24.28	24.28	24.28	24.28	24.30	24.32	24.32	24.32	24.33	24.32	24.37	24.28
28	24.34	24.35	24.37	24.38	24.39	24.41	24.42	24.44	24.45	24.46	24.46	24.46	24.47	24.47	24.48	24.49	24.50	24.52	24.53	24.55	24.58	24.60	24.61	24.62	24.47	24.62	24.34
29	24.62	24.63	24.63	24.64	24.64	24.64	24.66	24.67	24.66	24.66	24.65	24.63	24.61	24.59	24.58	24.56	24.55	24.55	24.54	24.55	24.56	24.56	24.56	24.56	24.60	24.67	24.54
30	24.56	24.55	24.55	24.55	24.55	24.55	24.56	24.57	24.57	24.56	24.56	24.54	24.53	24.52	24.51	24.50	24.49	24.49	24.49	24.50	24.50	24.50	24.50	24.49	24.53	24.57	24.49
31	24.48	24.48	24.47	24.47	24.47	24.47	24.48	24.48	24.47	24.45	24.45	24.43	24.42	24.41	24.40	24.39	24.39	24.40	24.41	24.42	24.41	24.40	24.41	24.40	24.44	24.48	24.39
Avg	24.47	24.47	24.46	24.46	24.47	24.47	24.48	24.49	24.49	24.48	24.48	24.47	24.46	24.45	24.44	24.43	24.43	24.44	24.44	24.45	24.46	24.46	24.47	24.47	24.46	24.52	24.40
Max	24.65	24.64	24.63	24.64	24.64	24.64	24.66	24.67	24.66	24.66	24.66	24.66	24.66	24.65	24.66	24.66	24.66	24.66	24.67	24.67	24.68	24.67	24.67	24.66	24.64	24.68	24.59
Min	24.26	24.25	24.24	24.24	24.24	24.24	24.25	24.26	24.26	24.27	24.26	24.25	24.25	24.25	24.23	24.21	24.20	24.23	24.23	24.25	24.26	24.27	24.26	24.26	24.26	24.33	24.20

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
September 2016

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	24.41	24.43	24.42	24.40	24.41	24.40	24.41	24.41	24.41	24.40	24.39	24.37	24.35	24.33	24.32	24.31	24.33	24.35	24.33	24.32	24.32	24.30	24.30	24.32	24.36	24.43	24.30
2	24.30	24.31	24.27	24.27	24.26	24.26	24.27	24.28	24.27	24.26	24.26	24.25	24.25	24.25	24.28	24.29	24.29	24.30	24.31	24.33	24.35	24.35	24.36	24.36	24.29	24.36	24.25
3	24.35	24.34	24.34	24.34	24.34	24.34	24.35	24.36	24.37	24.37	24.36	24.34	24.34	24.33	24.32	24.31	24.30	24.29	24.30	24.31	24.33	24.34	24.34	24.32	24.33	24.37	24.29
4	24.33	24.33	24.32	24.33	24.32	24.32	24.32	24.32	24.31	24.32	24.31	24.30	24.30	24.29	24.29	24.29	24.29	24.29	24.28	24.30	24.30	24.29	24.28	24.27	24.30	24.33	24.27
5	24.26	24.25	24.25	24.25	24.24	24.25	24.25	24.27	24.28	24.29	24.30	24.31	24.32	24.33	24.34	24.36	24.37	24.38	24.38	24.39	24.40	24.41	24.40	24.39	24.32	24.41	24.24
6	24.38	24.37	24.37	24.36	24.36	24.37	24.38	24.39	24.39	24.38	24.37	24.36	24.34	24.33	24.33	24.32	24.32	24.31	24.31	24.33	24.33	24.35	24.36	24.37	24.35	24.39	24.31
7	24.37	24.36	24.37	24.37	24.38	24.39	24.41	24.42	24.43	24.44	24.45	24.45	24.44	24.44	24.43	24.43	24.43	24.43	24.42	24.42	24.41	24.41	24.40	24.39	24.41	24.45	24.36
8	24.39	24.37	24.36	24.36	24.36	24.35	24.34	24.34	24.36	24.36	24.36	24.35	24.35	24.36	24.36	24.38	24.39	24.40	24.41	24.42	24.45	24.46	24.47	24.48	24.38	24.48	24.34
9	24.49	24.50	24.51	24.52	24.55	24.58	24.59	24.61	24.63	24.65	24.66	24.66	24.66	24.65	24.64	24.64	24.63	24.62	24.61	24.60	24.60	24.59	24.58	24.57	24.60	24.66	24.49
10	24.56	24.55	24.53	24.52	24.52	24.51	24.51	24.53	24.52	24.52	24.51	24.50	24.48	24.46	24.44	24.43	24.42	24.39	24.38	24.40	24.40	24.40	24.39	24.38	24.47	24.56	24.38
11	24.36	24.34	24.32	24.31	24.30	24.30	24.29	24.30	24.30	24.30	24.31	24.31	24.33	24.34	24.33	24.33	24.34	24.37	24.39	24.41	24.44	24.46	24.46	24.46	24.35	24.46	24.29
12	24.48	24.48	24.49	24.49	24.50	24.51	24.52	24.54	24.55	24.56	24.55	24.55	24.55	24.54	24.54	24.54	24.53	24.54	24.53	24.55	24.56	24.55	24.54	24.54	24.53	24.56	24.48
13	24.54	24.53	24.51	24.50	24.49	24.49	24.50	24.50	24.50	24.51	24.51	24.51	24.49	24.48	24.46	24.45	24.45	24.44	24.44	24.43	24.43	24.44	24.43	24.42	24.48	24.54	24.42
14	24.41	24.40	24.39	24.39	24.37	24.36	24.36	24.38	24.37	24.36	24.37	24.37	24.36	24.37	24.37	24.38	24.39	24.40	24.41	24.42	24.43	24.43	24.44	24.43	24.39	24.44	24.36
15	24.43	24.42	24.43	24.44	24.44	24.44	24.46	24.47	24.48	24.49	24.48	24.47	24.47	24.47	24.47	24.47	24.48	24.48	24.50	24.51	24.51	24.52	24.52	24.51	24.47	24.52	24.42
16	24.51	24.50	24.49	24.49	24.49	24.49	24.49	24.51	24.51	24.50	24.49	24.48	24.47	24.45	24.44	24.43	24.42	24.42	24.42	24.43	24.43	24.43	24.42	24.41	24.46	24.51	24.41
17	24.40	24.39	24.37	24.36	24.36	24.36	24.36	24.36	24.36	24.36	24.34	24.33	24.32	24.31	24.29	24.27	24.26	24.24	24.24	24.24	24.24	24.25	24.26	24.26	24.31	24.40	24.24
18	24.26	24.25	24.25	24.25	24.25	24.26	24.28	24.30	24.31	24.31	24.33	24.33	24.33	24.34	24.33	24.33	24.34	24.35	24.37	24.38	24.40	24.41	24.41	24.41	24.32	24.41	24.25
19	24.42	24.43	24.43	24.43	24.43	24.43	24.44	24.45	24.45	24.44	24.43	24.42	24.40	24.40	24.39	24.38	24.38	24.39	24.40	24.42	24.44	24.45	24.46	24.45	24.42	24.46	24.38
20	24.43	24.44	24.44	24.45	24.44	24.44	24.44	24.45	24.45	24.45	24.44	24.43	24.43	24.43	24.43	24.43	24.44	24.46	24.47	24.49	24.49	24.49	24.47	24.46	24.45	24.49	24.43
21	24.47	24.47	24.45	24.46	24.45	24.46	24.47	24.47	24.47	24.47	24.48	24.48	24.47	24.46	24.45	24.45	24.44	24.44	24.43	24.43	24.43	24.43	24.40	24.39	24.45	24.48	24.39
22	24.35	24.35	24.32	24.32	24.31	24.30	24.31	24.30	24.30	24.30	24.30	24.30	24.29	24.29	24.29	24.28	24.28	24.28	24.28	24.29	24.30	24.28	24.29	24.29	24.30	24.35	24.28
23	24.27	24.26	24.26	24.26	24.26	24.27	24.27	24.27	24.28	24.28	24.29	24.27	24.28	24.28	24.28	24.30	24.30	24.29	24.32	24.32	24.33	24.33	24.32	24.30	24.29	24.33	24.26
24	24.34	24.35	24.34	24.34	24.34	24.35	24.39	24.40	24.41	24.42	24.43	24.45	24.45	24.46	24.48	24.50	24.52	24.54	24.56	24.58	24.60	24.62	24.63	24.64	24.46	24.64	24.34
25	24.64	24.66	24.66	24.66	24.67	24.68	24.68	24.70	24.72	24.71	24.71	24.70	24.69	24.68	24.67	24.67	24.66	24.67	24.67	24.69	24.70	24.69	24.69	24.68	24.68	24.72	24.64
26	24.68	24.68	24.68	24.68	24.67	24.68	24.68	24.70	24.71	24.70	24.69	24.67	24.65	24.64	24.62	24.61	24.59	24.58	24.58	24.58	24.57	24.56	24.55	24.54	24.64	24.71	24.54
27	24.53	24.52	24.51	24.51	24.50	24.50	24.51	24.52	24.52	24.51	24.50	24.49	24.48	24.47	24.47	24.47	24.48	24.49	24.50	24.52	24.53	24.55	24.56	24.58	24.51	24.58	24.47
28	24.58	24.59	24.59	24.59	24.59	24.59	24.59	24.62	24.62	24.60	Au	Au	Au	Au	Au	24.54	24.54	24.54	24.55	24.56	24.56	24.56	24.55	24.54	24.57	24.62	24.54
29	24.53	24.53	24.53	24.52	24.52	24.51	24.52	24.53	24.54	24.53	24.52	24.51	24.50	24.48	24.47	24.46	24.46	24.46	24.47	24.48	24.48	24.48	24.48	24.48	24.50	24.54	24.46
30	24.47	24.47	24.46	24.46	24.47	24.47	24.48	24.49	24.50	24.50	24.48	24.47	24.45	24.44	24.43	24.43	24.42	24.43	24.43	24.44	24.44	24.43	24.43	24.42	24.45	24.50	24.42
Avg	24.43	24.43	24.42	24.42	24.42	24.42	24.43	24.44	24.44	24.44	24.44	24.43	24.42	24.42	24.41	24.42	24.42	24.42	24.42	24.43	24.44	24.44	24.44	24.44	24.43	24.49	24.38
Max	24.68	24.68	24.68	24.68	24.67	24.68	24.68	24.70	24.72	24.71	24.71	24.70	24.69	24.68	24.67	24.67	24.66	24.67	24.67	24.69	24.70	24.69	24.69	24.68	24.68	24.72	24.64
Min	24.26	24.25	24.25	24.25	24.24	24.25	24.25	24.27	24.27	24.26	24.26	24.25	24.25	24.25	24.28	24.27	24.26	24.24	24.24	24.24	24.24	24.25	24.26	24.26	24.29	24.33	24.24

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
July 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	72.9	77.4	87.2	85.3	85.6	83.8	78.5	60.7	49.8	45.2	37.1	29.0	31.1	29.5	23.5	20.0	21.5	25.9	24.6	34.9	44.7	55.7	59.7	67.3	51.3	87.2	20.0
2	78.2	83.8	85.6	86.9	89.5	84.4	79.2	66.0	40.7	32.1	27.8	25.1	23.7	20.2	21.9	21.1	25.8	31.5	29.3	29.5	36.9	38.5	66.2	82.3	50.3	89.5	20.2
3	90.0	92.0	91.2	91.6	94.4	92.8	82.9	67.9	45.8	38.3	33.0	34.0	31.6	30.4	26.3	24.3	21.8	21.6	21.6	25.5	30.9	32.8	47.8	56.8	51.1	94.4	21.6
4	65.6	68.9	72.4	73.4	77.8	79.8	75.8	58.9	37.5	36.8	32.1	29.0	26.0	22.9	20.8	20.1	19.3	21.9	25.0	26.4	27.7	30.6	29.0	28.8	41.9	79.8	19.3
5	42.9	55.2	64.9	71.1	78.4	70.1	59.1	45.6	40.2	36.1	31.7	31.2	30.3	29.3	27.6	25.6	23.9	26.3	29.0	35.8	38.2	49.5	59.2	68.5	44.6	78.4	23.9
6	68.8	73.0	73.2	79.8	81.4	82.1	78.7	66.5	57.8	44.2	46.4	45.5	61.0	62.3	58.4	51.5	43.2	39.3	39.8	43.4	59.5	69.5	81.1	83.7	62.1	83.7	39.3
7	86.9	89.4	88.8	90.9	91.5	85.9	79.3	65.1	54.8	48.4	42.7	36.9	32.7	29.4	27.7	27.0	25.1	23.7	36.1	36.6	41.5	44.8	50.1	51.2	53.6	91.5	23.7
8	58.9	64.1	71.6	71.1	73.8	72.5	62.3	45.9	30.7	29.0	24.0	21.7	19.5	19.3	20.0	23.8	33.5	43.2	74.3	81.5	86.9	86.6	86.9	91.3	53.9	91.3	19.3
9	91.3	91.2	92.4	93.5	95.4	91.4	83.0	69.0	53.2	46.3	42.9	36.8	34.1	33.2	34.6	68.0	84.6	73.2	81.7	86.2	87.5	85.2	88.8	89.9	72.2	95.4	33.2
10	89.9	91.3	89.9	91.6	95.1	94.7	91.8	87.6	82.6	78.7	75.0	71.3	70.8	67.5	80.1	89.5	89.8	86.6	82.3	88.5	91.4	93.6	91.9	88.1	85.8	95.1	67.5
11	89.3	90.3	90.8	92.0	91.7	91.9	92.1	91.8	91.6	91.3	91.2	90.5	87.5	82.6	78.2	71.0	62.4	59.9	58.3	58.3	65.8	68.5	72.0	84.0	81.0	92.1	58.3
12	89.4	91.5	92.0	92.9	93.1	89.8	82.1	68.4	60.2	56.6	52.8	47.6	43.7	40.0	36.7	33.9	34.2	32.3	31.7	36.7	59.1	66.5	70.2	75.5	61.5	93.1	31.7
13	72.4	80.8	85.9	86.8	87.4	88.4	83.4	68.4	66.3	61.9	58.7	69.7	67.4	73.0	62.1	57.6	42.2	38.7	44.9	45.7	66.7	80.8	82.9	85.3	69.1	88.4	38.7
14	87.7	90.0	91.8	93.7	92.1	92.0	89.0	76.3	53.5	43.8	40.9	36.3	35.2	35.7	36.1	34.2	32.2	30.9	32.5	41.4	55.3	68.2	75.5	82.2	60.3	93.7	30.9
15	85.0	81.6	69.7	73.5	78.2	77.8	65.7	53.0	47.3	43.5	39.9	37.9	36.8	34.4	34.3	37.2	61.2	47.8	68.6	67.1	74.3	79.9	74.4	73.7	60.1	85.0	34.3
16	75.2	84.9	86.1	89.0	88.1	89.0	87.6	76.5	72.6	64.6	49.7	49.0	44.8	41.8	39.5	39.5	34.9	34.1	36.3	45.1	58.3	73.7	81.1	85.8	63.6	89.0	34.1
17	88.3	91.2	91.1	92.8	93.5	90.0	82.0	67.1	60.9	58.3	51.8	47.6	45.7	39.4	36.7	30.8	34.5	50.3	56.1	81.5	81.7	81.5	83.2	84.6	67.5	93.5	30.8
18	78.9	86.2	83.1	79.0	75.7	73.8	72.7	70.2	66.3	61.1	51.7	44.3	40.1	38.9	36.7	36.6	39.0	41.8	39.6	42.8	59.9	65.3	71.7	69.0	59.4	86.2	36.6
19	77.6	83.4	81.6	81.9	85.8	85.0	78.6	59.3	45.8	37.3	29.7	23.7	18.2	14.9	12.9	13.1	16.7	19.7	32.5	45.1	48.6	55.6	70.8	76.2	49.8	85.8	12.9
20	82.7	86.0	89.4	92.5	94.3	91.2	84.8	66.4	54.8	50.9	39.4	22.8	21.8	20.0	23.9	23.4	24.4	24.4	26.2	32.1	45.9	61.2	64.4	61.4	53.5	94.3	20.0
21	71.6	75.6	79.7	83.1	86.2	86.0	70.4	55.1	40.1	30.8	30.9	24.7	20.8	20.6	21.1	20.5	19.8	19.9	24.6	33.5	41.5	43.4	55.1	63.7	46.6	86.2	19.8
22	50.5	43.4	48.7	59.8	66.1	74.6	65.4	48.3	34.8	31.1	28.0	22.8	23.7	18.3	19.3	25.0	16.9	20.3	24.5	25.5	27.0	31.0	38.6	47.1	37.1	74.6	16.9
23	50.7	52.4	49.3	53.9	56.6	57.9	54.3	51.7	48.9	48.2	44.9	42.0	38.6	37.8	34.6	32.4	32.0	30.1	31.3	37.2	49.3	61.3	68.4	73.5	47.4	73.5	30.1
24	77.1	84.3	87.6	88.3	90.6	87.3	79.2	62.4	45.8	38.9	31.1	26.5	24.3	21.9	22.2	21.6	22.0	21.0	22.5	30.4	49.7	54.8	58.1	67.9	50.6	90.6	21.0
25	74.4	79.8	81.7	81.8	84.5	80.3	64.8	56.1	36.9	31.9	29.2	25.4	24.1	22.7	22.3	24.0	32.1	33.6	36.0	64.0	73.8	76.9	75.4	83.2	54.0	84.5	22.3
26	87.8	89.4	92.0	91.7	93.5	92.0	83.5	68.4	50.6	37.3	27.9	28.4	25.5	22.7	29.4	24.2	22.0	28.5	34.3	50.3	53.3	63.9	67.8	77.0	55.9	93.5	22.0
27	84.0	87.0	90.0	90.9	92.2	89.0	81.6	62.1	44.5	40.3	38.9	34.1	31.5	29.0	24.9	27.4	32.9	36.0	39.2	49.3	60.0	66.8	72.2	82.8	57.8	92.2	24.9
28	81.7	79.4	84.4	89.7	92.6	91.1	81.7	66.5	47.8	39.7	38.4	36.1	32.0	32.0	30.4	36.9	39.5	39.5	40.1	50.7	67.0	75.5	76.9	78.2	59.5	92.6	30.4
29	83.5	86.1	88.1	90.9	92.9	90.1	79.4	65.1	51.1	46.1	38.6	33.2	29.3	24.9	24.7	22.9	22.0	21.4	35.2	41.6	52.7	56.7	56.7	55.2	53.7	92.9	21.4
30	54.9	55.5	64.2	74.6	81.8	84.0	72.2	55.7	41.6	33.8	31.1	28.8	18.7	17.4	17.6	17.3	16.3	14.9	16.9	23.4	39.0	44.8	52.1	59.8	42.3	84.0	14.9
31	63.7	71.3	74.2	80.9	80.8	78.7	67.1	49.2	29.5	25.3	24.4	21.7	20.3	17.7	15.3	13.2	11.7	12.6	14.1	19.1	26.5	38.0	43.3	53.1	39.7	80.9	11.7
Avg	75.9	79.2	81.2	83.7	85.8	84.4	77.0	63.6	51.1	45.4	40.7	37.2	35.2	33.2	32.3	32.7	33.5	33.9	38.4	45.5	54.9	61.3	66.8	71.8	56.0	88.2	27.5
Max	91.3	92.0	92.4	93.7	95.4	94.7	92.1	91.8	91.6	91.3	91.2	90.5	87.5	82.6	80.1	89.5	89.8	86.6	82.3	88.5	91.4	93.6	91.9	91.3	85.8	95.4	67.5
Min	42.9	43.4	48.7	53.9	56.6	57.9	54.3	45.6	29.5	25.3	24.0	21.7	18.2	14.9	12.9	13.1	11.7	12.6	14.1	19.1	26.5	30.6	29.0	28.8	37.1	73.5	11.7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
August 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	57.3	64.0	68.1	70.1	72.7	71.6	63.6	43.2	30.0	23.7	18.2	15.1	13.6	13.0	12.8	11.8	11.6	11.6	13.9	22.9	35.1	42.4	50.3	45.2	36.7	72.7	11.6
2	41.4	46.3	60.0	69.2	72.7	79.0	74.9	63.1	40.7	31.8	26.3	20.3	11.0	10.1	10.7	9.1	8.7	9.7	11.0	15.2	21.4	23.8	26.7	31.0	33.9	79.0	8.7
3	37.4	44.7	51.6	54.7	55.0	43.0	37.7	35.4	31.9	30.5	29.9	30.1	29.5	27.1	27.5	30.5	31.2	32.4	35.5	41.0	50.8	57.0	58.2	63.8	40.3	63.8	27.1
4	73.1	78.8	86.1	86.6	89.1	89.4	74.6	62.1	48.3	42.7	37.8	33.6	28.8	25.8	22.7	18.3	17.7	18.5	21.8	30.9	41.3	45.2	49.8	45.4	48.7	89.4	17.7
5	44.8	46.9	49.4	58.5	59.0	61.7	48.9	38.3	33.3	29.5	27.9	26.1	22.5	22.2	20.9	22.0	23.4	25.1	25.9	26.1	32.3	37.9	32.3	31.1	35.2	61.7	20.9
6	38.9	39.8	42.8	46.2	46.0	47.8	55.1	65.7	75.4	60.6	52.2	45.9	30.7	28.3	26.7	27.0	56.9	83.4	76.3	82.2	86.5	90.1	90.2	92.4	57.8	92.4	26.7
7	95.0	95.3	95.5	95.9	96.1	96.2	95.3	93.3	86.6	77.3	63.4	54.7	53.6	38.7	36.3	45.0	61.4	72.2	84.5	84.6	87.3	89.8	93.5	94.6	78.6	96.2	36.3
8	95.0	95.1	95.7	96.1	96.1	96.3	96.1	92.9	79.8	50.5	39.9	35.0	29.1	25.6	24.5	29.5	34.3	34.0	39.7	45.8	51.2	52.0	58.4	71.0	61.0	96.3	24.5
9	74.4	75.8	78.8	81.7	84.0	82.4	64.6	47.6	44.6	40.7	39.8	36.2	32.5	31.0	27.8	28.6	39.2	57.8	67.9	72.9	71.7	78.6	80.4	82.9	59.2	84.0	27.8
10	78.5	78.3	74.4	81.6	87.9	90.1	81.2	67.0	58.8	49.8	42.3	40.5	38.0	36.8	35.7	34.8	38.8	40.9	46.3	55.0	61.6	72.3	79.2	84.9	60.6	90.1	34.8
11	87.8	89.5	90.8	91.7	93.1	92.8	86.6	74.4	60.4	53.3	48.8	41.4	38.5	36.7	39.9	43.2	36.4	36.8	38.8	50.8	65.3	71.6	74.6	80.0	63.5	93.1	36.4
12	86.4	86.9	89.2	89.3	90.4	89.6	77.3	64.2	50.4	48.1	44.3	39.8	38.6	34.0	40.9	42.4	71.0	63.0	71.1	72.8	79.1	79.6	83.8	86.3	67.4	90.4	34.0
13	87.6	90.0	90.7	89.9	92.3	94.4	86.3	71.0	57.4	38.6	35.1	31.7	28.0	27.1	25.0	26.5	24.9	23.7	32.2	46.9	55.2	59.8	68.0	73.8	56.5	94.4	23.7
14	75.6	80.2	79.4	82.7	84.9	88.2	81.2	62.2	45.4	35.7	32.9	29.2	27.5	26.5	24.0	22.0	22.8	22.8	30.7	37.1	48.9	54.2	63.7	67.9	51.1	88.2	22.0
15	74.7	80.2	82.4	85.8	87.3	89.7	77.7	60.3	41.5	30.8	29.1	26.7	24.0	20.3	22.0	21.0	16.1	17.7	23.7	31.1	41.1	52.9	64.1	71.3	48.8	89.7	16.1
16	78.7	80.7	84.2	86.1	88.1	89.4	81.0	62.3	41.3	27.6	22.4	20.3	15.9	14.7	13.7	13.1	13.6	14.4	17.2	29.6	36.8	48.7	55.9	59.3	45.6	89.4	13.1
17	67.5	70.9	73.6	77.4	81.5	81.6	77.4	62.9	45.5	30.7	23.9	19.4	18.3	16.8	17.4	18.3	27.9	30.8	33.7	39.1	46.0	52.6	64.7	69.3	47.8	81.6	16.8
18	74.6	72.2	80.3	81.7	80.6	76.1	74.3	68.9	70.0	64.3	64.4	61.2	58.8	58.1	53.8	53.5	55.4	57.9	69.8	79.0	85.5	85.2	85.0	83.2	70.6	85.5	53.5
19	83.6	84.8	85.4	85.0	84.7	85.4	82.7	75.6	69.7	61.7	52.9	47.1	47.4	50.2	49.8	46.4	41.9	41.5	40.5	63.1	77.3	81.6	86.4	88.3	67.2	88.3	40.5
20	88.5	89.0	93.3	92.9	94.0	93.9	87.1	74.7	59.0	41.4	33.9	27.8	26.8	23.9	22.2	23.2	23.1	20.9	25.4	47.0	57.2	60.0	67.5	75.1	56.2	94.0	20.9
21	79.2	86.6	86.6	87.7	88.3	87.8	84.3	69.5	48.1	29.8	26.4	22.8	16.8	13.0	11.9	12.9	12.7	13.0	15.7	28.0	43.6	54.2	62.4	68.8	47.9	88.3	11.9
22	72.0	75.1	76.4	78.7	78.7	81.7	77.4	59.1	37.8	21.8	18.1	20.4	21.1	18.6	16.4	14.5	12.7	12.3	13.8	20.0	25.4	22.7	20.4	21.5	38.2	81.7	12.3
23	22.8	26.4	35.1	44.1	52.1	55.8	66.3	53.6	40.9	38.3	35.7	32.5	30.4	30.1	30.7	32.3	36.7	45.3	51.0	58.9	61.9	64.5	74.1	72.7	45.5	74.1	22.8
24	73.7	72.3	73.3	74.1	74.3	75.4	80.7	77.0	73.1	73.8	78.4	83.4	68.4	59.0	57.1	53.9	54.1	54.1	56.6	66.0	78.0	84.6	86.1	87.7	71.5	87.7	53.9
25	88.2	88.2	90.6	92.1	93.1	92.6	89.9	81.2	64.2	46.8	38.7	40.6	40.6	42.1	45.7	46.8	48.9	47.3	52.9	65.1	75.3	76.2	76.2	80.4	66.8	93.1	38.7
26	85.5	84.5	85.4	87.4	90.6	92.4	91.7	78.2	59.7	47.2	38.8	40.3	31.7	31.9	31.6	33.2	32.4	31.5	33.8	50.5	63.0	73.6	78.7	82.5	60.7	92.4	31.5
27	84.6	84.8	85.0	88.8	90.3	91.5	90.0	84.2	57.9	35.9	30.5	29.0	24.9	23.9	23.7	22.7	22.2	25.7	30.4	39.9	45.2	51.6	54.2	59.8	53.2	91.5	22.2
28	64.3	68.2	71.5	73.1	75.7	77.5	74.8	58.2	38.8	35.2	32.3	31.4	29.6	26.6	24.5	23.8	22.1	25.0	24.8	40.7	51.9	61.2	72.3	75.5	49.1	77.5	22.1
29	80.6	84.9	86.6	88.7	90.1	90.3	87.3	71.7	46.2	34.6	27.1	22.3	20.7	19.6	18.0	16.5	18.5	23.6	27.2	33.0	35.9	38.6	44.4	41.3	47.8	90.3	16.5
30	44.3	53.1	64.7	73.2	78.6	82.6	82.5	77.8	59.6	38.3	24.3	16.0	11.9	10.1	10.2	10.1	11.0	13.9	29.2	37.9	42.9	43.5	45.9	38.9	41.7	82.6	10.1
31	43.7	48.8	51.8	55.8	64.3	72.4	72.8	56.2	36.5	19.4	13.4	11.5	10.6	9.2	10.4	10.8	15.0	15.4	18.7	24.7	30.8	40.4	43.7	51.1	34.5	72.8	9.2
Avg	70.3	73.0	76.1	78.9	81.0	81.9	77.5	66.2	52.7	41.6	36.4	33.3	29.7	27.5	26.9	27.2	30.4	33.0	37.4	46.4	54.4	59.6	64.2	67.0	53.0	85.6	24.7
Max	95.0	95.3	95.7	96.1	96.1	96.3	96.1	93.3	86.6	77.3	78.4	83.4	68.4	59.0	57.1	53.9	71.0	83.4	84.5	84.6	87.3	90.1	93.5	94.6	78.6	96.3	53.9
Min	22.8	26.4	35.1	44.1	46.0	43.0	37.7	35.4	30.0	19.4	13.4	11.5	10.6	9.2	10.2	9.1	8.7	9.7	11.0	15.2	21.4	22.7	20.4	21.5	33.9	61.7	8.7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
September 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	42.9	48.2	49.2	44.5	48.8	57.4	50.7	47.7	38.1	28.3	22.8	21.6	18.7	16.6	14.4	19.2	27.4	29.8	37.5	47.3	53.2	56.4	54.2	51.1	38.6	57.4	14.4
2	59.8	68.2	65.6	75.0	81.7	82.4	82.2	73.0	54.4	36.8	33.7	29.4	26.4	28.5	39.0	46.3	47.0	48.5	47.7	53.1	57.9	62.0	67.1	71.1	55.7	82.4	26.4
3	74.9	76.1	81.9	83.9	84.4	82.3	86.2	77.1	59.2	47.1	40.3	33.9	33.5	32.6	32.7	33.5	34.1	38.9	46.6	54.5	46.0	58.4	79.8	82.9	58.4	86.2	32.6
4	80.6	86.6	88.7	89.8	89.7	88.9	90.3	89.0	88.0	84.7	86.1	85.2	86.0	89.2	89.9	91.2	91.3	91.0	91.9	91.7	92.2	92.9	92.6	92.5	89.2	92.9	80.6
5	92.6	92.7	93.0	93.5	93.5	93.9	93.4	90.8	87.5	86.3	84.0	86.0	85.0	81.8	78.2	77.3	84.9	82.3	81.0	87.0	91.4	93.7	93.9	94.7	88.3	94.7	77.3
6	95.2	95.0	94.6	93.8	93.6	93.4	93.7	94.9	90.3	66.8	58.0	51.9	45.5	39.2	35.3	36.2	37.2	43.4	57.6	60.4	66.6	73.7	85.6	89.9	70.5	95.2	35.3
7	93.0	90.6	87.8	85.0	86.7	89.0	91.4	82.7	75.2	67.6	61.7	56.9	49.0	47.6	44.2	41.1	42.3	40.6	47.5	64.3	78.5	82.9	86.5	88.5	70.0	93.0	40.6
8	86.8	76.2	70.0	74.9	71.9	65.9	65.1	52.9	75.1	63.5	50.3	41.7	35.2	33.9	35.7	36.8	36.6	37.6	40.5	46.7	49.9	62.5	64.0	74.2	56.2	86.8	33.9
9	80.8	74.7	76.5	80.4	82.6	86.1	89.8	90.1	86.0	78.5	68.1	60.5	54.2	47.8	46.1	37.6	37.6	34.6	40.6	60.0	72.4	80.8	85.9	88.1	68.3	90.1	34.6
10	89.6	89.7	90.1	89.7	89.1	89.1	89.7	83.9	67.3	27.1	27.5	28.3	28.5	27.5	25.6	24.9	23.5	22.8	23.1	29.2	37.4	45.8	57.4	65.4	53.0	90.1	22.8
11	72.9	76.2	81.9	84.4	85.7	85.1	83.8	70.5	60.2	31.5	39.6	46.0	47.0	48.3	49.5	53.3	67.1	76.6	84.3	81.3	80.6	82.0	88.2	80.9	69.0	88.2	31.5
12	79.4	83.0	76.1	76.1	73.5	71.7	73.7	71.9	69.0	64.9	62.7	55.4	54.6	56.3	61.7	64.0	62.3	62.6	65.8	69.0	68.9	67.9	70.7	76.0	68.2	83.0	54.6
13	80.9	84.8	87.1	87.9	90.4	90.0	86.9	82.0	79.0	74.8	73.8	70.9	69.8	66.1	64.4	63.4	65.2	69.3	78.5	83.5	86.6	87.0	88.1	91.3	79.2	91.3	63.4
14	92.2	92.2	92.4	93.5	93.4	92.7	93.2	90.4	78.3	61.5	56.8	47.4	46.9	48.1	43.4	49.8	49.8	49.6	53.4	58.0	69.7	76.9	81.1	82.9	70.6	93.5	43.4
15	86.2	84.7	85.4	87.3	89.8	91.6	91.4	88.2	83.1	68.8	52.1	40.2	29.0	27.9	27.1	28.1	30.6	33.5	43.5	63.2	73.8	75.8	77.3	83.3	64.2	91.6	27.1
16	87.5	86.8	86.6	89.2	91.7	91.7	89.9	80.8	67.2	46.8	42.2	39.0	36.3	31.5	29.3	25.6	22.5	24.6	36.3	52.7	61.5	65.0	75.7	83.3	60.2	91.7	22.5
17	87.0	87.8	89.2	89.7	89.7	89.9	86.2	85.7	77.3	49.8	34.3	32.0	31.4	34.2	47.4	42.2	35.2	35.4	35.6	36.2	41.7	45.6	52.8	59.2	58.1	89.9	31.4
18	61.4	62.0	62.0	61.2	63.6	63.9	64.9	61.5	53.7	45.2	41.5	40.6	39.2	39.7	40.6	41.0	40.4	42.6	46.9	49.3	50.9	56.1	62.3	70.7	52.6	70.7	39.2
19	73.6	70.2	72.9	79.6	85.1	88.7	87.5	76.8	67.5	50.1	47.5	47.0	40.0	35.6	33.5	33.5	31.8	35.3	41.1	48.3	50.2	59.8	64.6	71.3	58.0	88.7	31.8
20	70.7	73.8	75.8	79.1	82.5	84.8	86.8	81.6	69.1	55.6	46.8	44.6	49.0	45.6	41.7	42.9	53.2	62.0	77.6	78.1	88.4	86.6	84.8	85.6	68.6	88.4	41.7
21	83.1	84.8	85.5	88.9	84.2	83.7	83.0	85.3	84.4	82.3	83.4	82.5	80.0	78.9	79.1	80.1	82.6	84.1	84.9	83.7	86.6	88.3	89.9	91.9	84.2	91.9	78.9
22	93.1	92.8	93.3	92.5	93.0	93.6	93.8	92.8	88.4	86.5	84.6	77.3	78.3	81.4	86.1	85.9	86.2	81.3	80.7	81.2	82.3	83.4	83.4	85.4	86.6	93.8	77.3
23	88.8	90.9	89.4	87.5	87.7	91.1	92.6	91.3	90.2	87.7	90.1	86.2	82.2	74.2	74.0	74.7	72.7	74.2	78.9	80.2	75.5	76.2	79.1	89.1	83.5	92.6	72.7
24	90.4	91.8	92.3	92.7	92.4	91.6	92.7	91.0	80.6	67.9	57.9	47.9	48.9	47.7	48.5	48.3	51.7	55.8	59.7	59.4	65.2	75.7	82.5	85.0	71.6	92.7	47.7
25	87.6	89.0	90.6	90.4	91.4	90.8	90.3	83.4	73.5	59.2	53.5	48.7	44.2	41.3	38.4	37.2	39.9	44.8	50.8	52.4	57.7	62.0	71.1	79.0	65.3	91.4	37.2
26	86.5	90.1	91.8	92.9	93.9	93.5	92.7	88.4	79.7	61.5	52.9	47.9	41.7	36.1	32.4	29.7	29.7	34.2	51.9	68.8	78.3	85.5	87.7	90.3	68.3	93.9	29.7
27	91.6	92.5	93.5	93.3	93.8	94.2	93.7	82.3	69.3	49.0	32.7	28.8	27.0	24.2	23.8	24.0	24.7	29.0	45.7	59.9	68.8	76.0	81.6	83.3	61.8	94.2	23.8
28	86.5	90.4	91.1	93.0	92.6	93.5	94.1	83.6	71.8	59.2	Au	Au	Au	Au	Au	43.2	47.8	55.8	66.1	70.1	74.3	83.6	88.9	89.0	77.6	94.1	43.2
29	92.7	93.2	93.2	94.4	94.8	95.3	95.0	91.3	79.9	51.8	39.0	36.4	35.4	31.8	31.8	30.0	30.1	39.3	59.2	71.6	76.4	79.8	82.8	87.5	67.2	95.3	30.0
30	89.0	90.5	91.9	93.3	93.8	94.2	92.1	86.4	70.5	51.9	38.1	34.3	33.0	29.6	28.2	29.5	29.5	42.7	56.3	62.0	71.6	81.1	82.3	86.2	64.9	94.2	28.2
Avg	82.6	83.5	84.0	85.2	86.2	86.7	86.6	81.6	73.8	59.8	53.9	49.9	47.4	45.6	45.6	45.7	47.2	50.1	57.0	63.4	68.5	73.4	78.1	81.7	67.5	89.3	41.8
Max	95.2	95.0	94.6	94.4	94.8	95.3	95.0	94.9	90.3	87.7	90.1	86.2	86.0	89.2	89.9	91.2	91.3	91.0	91.9	91.7	92.2	93.7	93.9	94.7	89.2	95.3	80.6
Min	42.9	48.2	49.2	44.5	48.8	57.4	50.7	47.7	38.1	27.1	22.8	21.6	18.7	16.6	14.4	19.2	22.5	22.8	23.1	29.2	37.4	45.6	52.8	51.1	38.6	57.4	14.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
July 2016

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.000	0.000	0.000	0.000	0.000	0.030	0.030
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.110	0.060
10	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.300	0.060	0.100	0.020	0.000	0.000	0.000	0.000	0.010	0.050	0.550	0.300
11	0.060	0.080	0.080	0.080	0.110	0.100	0.120	0.090	0.080	0.010	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.840	0.120
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.040
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.010	0.010
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.060	0.000	0.000	0.000	0.000	0.070	0.060
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.000	0.000	0.000	0.000	0.030	0.030
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.060	0.090	0.080	0.080	0.110	0.100	0.120	0.090	0.080	0.010	0.020	0.010	0.040	0.040	0.320	0.100	0.160	0.020	0.050	0.090	0.000	0.000	0.010	0.060	1.740	0.000
Max	0.060	0.080	0.080	0.080	0.110	0.100	0.120	0.090	0.080	0.010	0.020	0.010	0.040	0.040	0.300	0.060	0.100	0.020	0.030	0.060	0.000	0.000	0.010	0.050	0.840	0.300

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
August 2016

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.150	0.100	0.010	0.000	0.000	0.000	0.000	0.000	0.260	0.150
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.040	0.010	0.020	0.000	0.000	0.000	0.270	0.200
8	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.370	0.100	0.100	0.010	0.590	0.370
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.160	0.300	0.050	0.020	0.390	0.100	0.100	0.010	1.150	0.000
Max	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.150	0.200	0.040	0.010	0.370	0.100	0.100	0.010	0.590	0.370

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
September 2016

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.010
4	0.010	0.050	0.090	0.120	0.070	0.040	0.040	0.000	0.000	0.010	0.030	0.160	0.230	0.080	0.030	0.110	0.050	0.040	0.030	0.030	0.010	0.010	0.000	0.020	1.260	0.230
5	0.020	0.000	0.000	0.000	0.000	0.010	0.000	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.060
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.080	0.090	0.080
7	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.020
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.040
9	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.060	0.000	0.000	0.000	0.000	0.000	0.070	0.060
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.040	0.030	0.000	0.000	0.000	0.090	0.040
21	0.010	0.030	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.180	0.070	0.160	0.530	0.180
22	0.100	0.140	0.030	0.050	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.340	0.140
23	0.010	0.000	0.000	0.000	0.000	0.020	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.030
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Au	Au	Au	Au	Au	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.170	0.230	0.120	0.170	0.090	0.090	0.070	0.060	0.040	0.010	0.030	0.160	0.230	0.080	0.040	0.110	0.060	0.070	0.090	0.070	0.110	0.190	0.090	0.260	2.640	0.000
Max	0.100	0.140	0.090	0.120	0.070	0.040	0.040	0.060	0.040	0.010	0.030	0.160	0.230	0.080	0.030	0.110	0.050	0.040	0.060	0.040	0.070	0.180	0.070	0.160	1.260	0.230

APPENDIX B: PERFORMANCE AUDIT REPORTS THIRD QUARTER 2016

BISON
ENGINEERING, INC.

Bison Engineering

Preliminary Meteorological Parameters Audit Form

Audit Dates: 09/28/2016 Audit Start Time : 10:10 MST Audit End Time : 14:50 MST
Client: Tintina Resources
Site: Black Butte
AUDITOR: Steve Heck STATION OPERATOR: Jeff Bell

Temperature

Audit Device: Control Company - digital thermometer Model 4000
Meter S/N: 130236679 Temperature Sensor: Climatronics 100093
Last certified: 7/20/2016 S/N P12535 (Upper), S/N P12535 (Lower) - Matched Set

Temperature bath results

Audit Value °C	9m DAS Value °C	9m DAS Diff. °C	2m DAS Value °C	2m DAS Diff. °C	9m - 2m DAS Diff. °C
0.12	0.21	0.09	0.28	0.16	-0.07
16.22	16.13	-0.09	16.20	-0.02	-0.07
37.90	38.09	0.19	38.10	0.20	-0.01

Wind Direction

Sensor height: 9 Meter
Sensor (Make/model number): Climatronics/ 102083
Serial Number : P1336C
Crossarm orientation (from solar sighting): 178.2 / 358.2
Location used for solar calculation
N 46 deg 46 min, W 110 deg 53 min
Calculated sun azimuth at 0958 MST
138.6 degrees
Sensor response aligned with crossarm (as found): 0.1
Sensor response aligned with crossarm (as left): 0.1

Linearity Audit Device: Climatronics 101966, SN 70

Threshold Torque: 0.05 oz.-in.
(Waters Model 366-1 torque watch)

Linearity Check from DAS

Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	0.9	1.0	0.9	1.0
30	28.9	28.6	-1.1	-1.4
60	59.7	59.4	-0.3	-0.6
90	89.6	89.5	-0.4	-0.5
120	117.8	117.6	-2.2	-2.4
150	148.3	148.2	-1.7	-1.8
180	179.9	180.0	-0.1	0.0
210	207.5	207.5	-2.5	-2.5
240	239.4	239.5	-0.6	-0.5
270	270.4	270.5	0.4	0.5
300	299.1	298.6	-0.9	-1.4
330	329.2	328.8	-0.8	-1.2
		Max Diff	**-2.5**	**-2.5**

Wind Speed

Sensor height:: 9 Meter
Sensor (Make/model number): Climatronics/ 102083
Serial Number : P1336C
Calibration device: Weathertronics 300 rpm synchronous motor
Weathertronics 600 rpm synchronous motor

Synchronous motor checks

Known Value RPM	Known Value m/s	DAS Value m/s	DAS Diff. m/s
0	0.22	0.22	0.00
300	6.66	6.65	-0.01
600	13.09	13.08	-0.01

Threshold Torque: 0.004 oz.-in.
(Waters Model 366-3 torque watch)

Solar Radiation

Audit Device: Eppley Pyranometer, SN 16166F3 (certified by Eppley August 2016)

Time (MST)	CTS Value (W/m2)	Site Value (W/m2)	Diff. (%)	Diff. (% FS)
1358	622	613	-1.4	-0.7
1424	565	558	-1.2	-0.5
1455	510	515	1.0	0.4

Relative Humidity

Site Sensor: Met One 083E-0-35
Sensor Height: 2 meters
Reference Std: Assmann Psychrometer, thermometer calibrations checked June 2016

Ref Dry-Bulb:	19.8	deg C	BP = 24.54 in. Hg
Ref Wet-Bulb	12.2	deg C	
Ref RH:	43.8	%RH	
Station RH:	42.1	%RH	
Diff:	-1.7	%RH	

Barometric Pressure

Audit Device: Wallace & Tiernan Model FA185260, S/N LL03297.
Checked against Bison Mercury barometer (Butte) September 2016

Audit Value:	24.54	in Hg
Station Value:	24.55	in Hg
Diff:	0.01	in Hg

Precipitation

Rain Gauge = Met One Model 375
Level checked OK
Wind Screen in place
8" opening

559 ml water added
Calibration is 8.24 ml per tip
Known audit value is 559 / 8.24 = 67.8 tips (so 67 full tips expected)

Unit registered 68 tips
% difference from expected = 1.5%

Signature Site Operator :_____

Signature Auditor : Steven R Auch

APPENDIX C: EVAPORATION AND PRECIPITATION SUMMARY, THIRD QUARTER 2016

EVAPORATION AND PRECIPITATION SUMMARY FOR TINTINA SITE

(All values in inches)

DATE	TIME	EVAPORATION AS-FOUND	EVAPORATION AS-LEFT	PRECIPITATION (MANUAL)	PRECIPITATION (AUTOMATED)	TOTAL EVAPORATION	NET EVAPORATION
7/1/2016	0900		2.324				
7/5/2016	1130	1.052	3.500	0.00	0.00	1.272	1.272
7/6/2016	1300	3.372	3.372	0.01	0.00	0.138	0.128
7/12/2016	1030	4.200	3.500	1.57	1.53	0.742	-0.828
7/13/2016	1130	3.242	3.242	0.00	0.00	0.258	0.258
7/18/2016	1130	2.446	2.446	0.16	0.16	0.956	0.796
7/20/2016	0900	1.881	3.500	0.00	0.00	0.565	0.565
7/21/2016	0900	3.161	3.161	0.00	0.00	0.339	0.339
7/22/2016	0930	2.853	2.853	0.00	0.00	0.308	0.308
7/25/2016	0800	2.010	2.010	0.00	0.00	0.843	0.843
7/26/2016	1100	1.833	1.833	0.05	0.03	0.227	0.177
7/27/2016	0900	1.696	1.696	0.01	0.02	0.147	0.137
7/30/2016	0830	1.028	3.500	0.00	0.00	0.668	0.668
		TOTAL FOR JULY 1 - JULY 30		1.80	1.74	6.46	4.66

EVAPORATION AND PRECIPITATION SUMMARY FOR TINTINA SITE

(All values in inches)

DATE	TIME	EVAPORATION AS-FOUND	EVAPORATION AS-LEFT	PRECIPITATION (MANUAL)	PRECIPITATION (AUTOMATED)	TOTAL EVAPORATION	NET EVAPORATION
7/30/2016	0830		3.500				
8/2/2016	1130	2.812	2.812	0.00	0.00	0.688	0.688
8/5/2016	1300	1.782	1.782	0.00	0.00	1.030	1.030
8/8/2016	1030	1.779	1.779	0.55	0.54	0.553	0.003
8/9/2016	1130	1.422	3.500	0.00	0.00	0.357	0.357
8/10/2016	1130	3.191	3.191	0.01	0.00	0.319	0.309
8/16/2016	0900	1.864	1.864	0.00	0.01	1.327	1.327
8/19/2016	0900	1.372	3.500	0.00	0.59	0.492	0.492
8/22/2016	0930	3.300	3.300	0.60	0.00	0.800	0.200
8/23/2016	0800	2.933	2.933	0.00	0.00	0.367	0.367
8/24/2016	1100	2.740	2.740	0.00	0.00	0.193	0.193
8/30/2016	0900	1.732	3.500	0.00	0.01	1.008	1.008
		TOTAL FOR JULY 30 - AUGUST 30		1.16	1.15	7.13	5.97

EVAPORATION AND PRECIPITATION SUMMARY FOR TINTINA SITE

(All values in inches)

DATE	TIME	EVAPORATION AS-FOUND	EVAPORATION AS-LEFT	PRECIPITATION (MANUAL)	PRECIPITATION (AUTOMATED)	TOTAL EVAPORATION	NET EVAPORATION
8/30/2016	0900		3.500				
9/13/2016	1130	3.179	3.179	1.70	1.61	2.021	0.321
9/16/2016	1300	2.898	2.898	0.00	0.00	0.281	0.281
9/22/2016	1030	3.062	3.061	1.05	0.97	0.886	-0.164
9/26/2016	1130	2.725	2.725	0.07	0.06	0.406	0.336
		TOTAL FOR AUGUST 30 - SEPTEMBER 26		2.82	2.64	3.59	0.77

TINTINA RESOURCES, INC.
BLACK BUTTE COPPER PROJECT AMBIENT AIR MONITORING PROGRAM
Quarterly Data Report
Fourth Quarter 2016

Prepared for:

Tintina Resources, Inc.
PO Box 431
White Sulphur Springs, MT 59645

Prepared by:

Bison Engineering, Inc.
2751 Enterprise Ave., Ste. 2
Billings, MT 59102
(406) 896-1716
http://www.bison-eng.com

February 3, 2017

CERTIFICATION OF DATA INTEGRITY

Bison Engineering, Inc., certifies the data in this report is an accurate summary of the air quality conditions measured at the Black Butte Copper Project air monitoring site. Every effort was made to obtain accurate and representative data and to comply with the procedures set forth in the project-specific *Quality Assurance Project Plan*, the *State of Montana Ambient Air Monitoring Program Quality Assurance Project Plan (April 2013)*, and the Environmental Protection Agency's *Quality Assurance Handbook for Air Pollution Measurement Systems: Volume I, A Field Guide to Environmental Quality Assurance (April 1994), Volume II, Ambient Air Quality Program (May 2013), and Volume IV, Meteorological Measurements (March 2008).*

Preparer: Jeffrey S. Bell

Signature: Jeffrey S. Bell

Title: Senior Field Technician

Date: 1/27/17

Reviewer: Steven R. Heck

Signature: Steven R Heck

Title: Meteorologist

Date: 2-3-2017

TABLE OF CONTENTS

CERTIFICATION OF DATA INTEGRITY ii

1.0 INTRODUCTION 1

2.0 MONITORING SYSTEM OPERATIONS 3

3.0 CALIBRATION DATA 4

4.0 PERFORMANCE AUDIT DATA 5

5.0 DATA COMPLETENESS 6

6.0 MONITORING DATA 9

LIST OF TABLES

Table 1. Monthly Data Completeness 6
Table 2. Quarterly Data Completeness 8
Table 3. Missing Data Codes 10
Table 4. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 13
Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 142
Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower 153
Table 7. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower .. 164

LIST OF FIGURES

Figure 1. Monitoring Site Location 2
Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower 15
Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower 16
Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower 17
Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower 18

APPENDICES

Appendix A: Meteorological Data
Appendix B: Performance Audit Reports
Appendix C: Evaporation and Precipitation Summary

1.0 INTRODUCTION

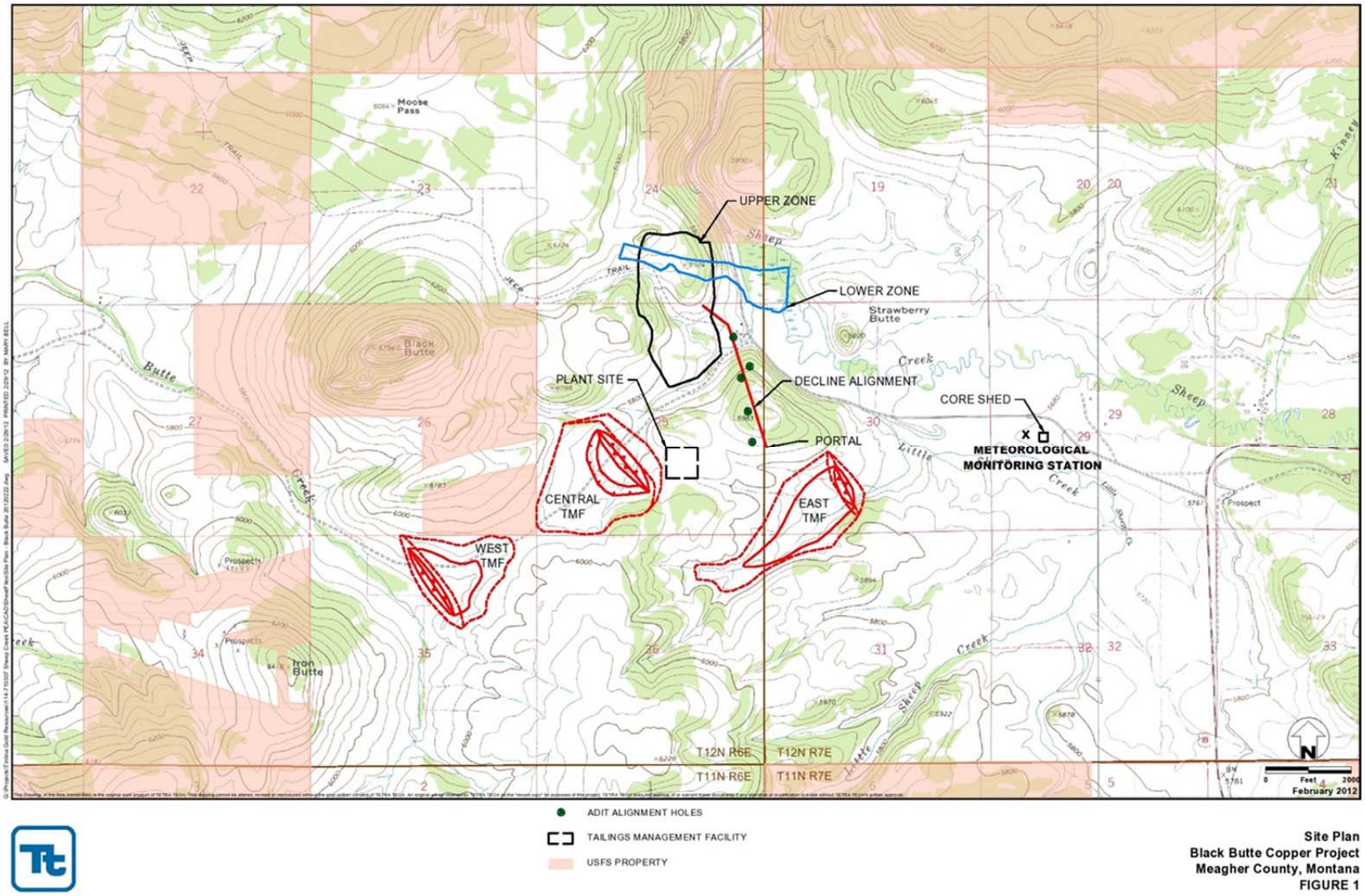
Tintina Resources, Inc. established an ambient air monitoring site to measure wind speed, wind direction, standard deviation of wind direction, temperature at 9 meters and 2 meters, delta temperature, solar radiation, barometric pressure, and precipitation. The station was established to accurately characterize the local meteorology and collect baseline data in support of an operating permit application and various environmental studies.

The meteorological monitoring system was installed in April 2012. The site is operated by Bison Engineering, Inc., of Helena and Billings. Figure 1 shows the location of the monitoring site.

This report presents the data collected during the fourth quarter (October through December) of 2016. In addition, a description of the monitoring system operations is presented, together with summaries of quality assurance activities, including calibrations and performance audits. Tabular summaries of the data completeness achieved and the periods of missing data also are presented. Appendix A presents hourly meteorological data collected.

On June 23, 2015, an evaporation pan and manual precipitation gauge were installed adjacent to the existing meteorological system. The evaporation data will be used for hydrological / water balance studies. The manual rain gauge was installed to provide a backup data source for the existing automatic rain gauge, which has experienced occasional mechanical problems. Also, the automatic rain gauge is sometimes unreliable for measuring frozen precipitation.

Figure 1. Monitoring Site Location



2.0 MONITORING SYSTEM OPERATIONS

The installation of the monitoring meteorological system equipment took place in April 2012, soon after the equipment was received from the manufacturers. The installation and calibration of the equipment required about two weeks to complete. All meteorological sensors were in full operation and producing valid data by April 30, 2012.

Steve Heck of Bison conducted performance audits of the meteorological system on December 21, 2016, and made any necessary calibration adjustments to the meteorological system following the audits. The Bison report of the audits is presented in Appendix B.

Manual measurements of evaporation and precipitation were recorded by Tintina's on-site personnel two to three times per week. Operation of the evaporation pan was discontinued in early November due to frequent subfreezing temperatures.

3.0 CALIBRATION DATA

As discussed in Section 4.0, the system's as-found condition was audited December 21, 2016. No calibration adjustments were required based on the audit results.

4.0 PERFORMANCE AUDIT DATA

Steve Heck of Bison conducted performance audits of the meteorological system on December 21, 2016. The as-found performance of the system was satisfactory and no calibration adjustments were required. The Bison report of the audits is presented in Appendix B.

5.0 DATA COMPLETENESS

The meteorological percentages of data recovery achieved during the fourth quarter of 2016 are given in Tables 1 and 2. In these tables, the number of possible data values during each month of the quarter is given, together with the number of valid readings and the number of hours spent on quality assurance activities (such as calibrations, performance audits, and maintenance on the sensors). The quality assurance hours are added to the number of hours of valid data to compute the net percentage data recovery.

During the fourth quarter the net percentage data recovery was 100.0 percent for all parameters at the site.

Table 1. Monthly Data Completeness

October 2016					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	744	100.0	0	100.0
Wind Direction	744	744	100.0	0	100.0
Standard Deviation	744	744	100.0	0	100.0
Temperature 9 Meters	744	744	100.0	0	100.0
Temperature 2 Meters	744	744	100.0	0	100.0
Temperature Delta T	744	744	100.0	0	100.0
Solar Radiation	744	744	100.0	0	100.0
Barometric Pressure	744	744	100.0	0	100.0
Relative Humidity	744	744	100.0	0	100.0
Precipitation	744	744	100.0	0	100.0
Total	7,440	7,440	100.0	0	100.0

Table 1. Monthly Data Completeness (Continued)

November 2016					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	720	720	100.0	0	100.0
Wind Direction	720	720	100.0	0	100.0
Standard Deviation	720	720	100.0	0	100.0
Temperature 9 Meters	720	720	100.0	0	100.0
Temperature 2 Meters	720	720	100.0	0	100.0
Temperature Delta T	720	720	100.0	0	100.0
Solar Radiation	720	720	100.0	0	100.0
Barometric Pressure	720	720	100.0	0	100.0
Relative Humidity	720	720	100.0	0	100.0
Precipitation	720	720	100.0	0	100.0
Total	7,200	7,200	100.0	0	100.0

December 2016					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	739	99.3	5	100.0
Wind Direction	744	739	99.3	5	100.0
Standard Deviation	744	739	99.3	5	100.0
Temperature 9 Meters	744	739	99.3	5	100.0
Temperature 2 Meters	744	739	99.3	5	100.0
Temperature Delta T	744	739	99.3	5	100.0
Solar Radiation	744	739	99.3	5	100.0
Barometric Pressure	744	739	99.3	5	100.0
Relative Humidity	744	739	99.3	5	100.0
Precipitation	744	739	99.3	5	100.0
Total	7,440	7,390	99.3	50	100.0

Table 2. Quarterly Data Completeness

Fourth Quarter 2016					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	2,208	2,203	99.8	5	100.0
Wind Direction	2,208	2,203	99.8	5	100.0
Standard Deviation	2,208	2,203	99.8	5	100.0
Temperature 9 Meters	2,208	2,203	99.8	5	100.0
Temperature 2 Meters	2,208	2,203	99.8	5	100.0
Temperature Delta T	2,208	2,203	99.8	5	100.0
Solar Radiation	2,208	2,203	99.8	5	100.0
Barometric Pressure	2,208	2,203	99.8	5	100.0
Relative Humidity	2,208	2,203	99.8	5	100.0
Precipitation	2,208	2,203	99.8	5	100.0
Total	22,080	22,030	99.8	50	100.0

6.0 MONITORING DATA

The hourly data values collected at the monitoring site are given in the data tables in Appendix A. Each of these tables presents one month's data for one parameter in the monitoring system. In addition, the average, maximum, and minimum values for each parameter for each day are listed (for wind direction, the prevailing wind direction for the day is given). For those hours with missing data, a code is given that explains the reason the data were missing. These codes are given in Table 3.

Monthly and quarterly wind rose distributions from the monitoring site are presented in Tables 4 through 7. These tables give the percentage frequency of occurrence of winds from 16 cardinal directions and from 22 wind speed ranges. These same data are presented graphically in Figures 2 through 5. In the wind rose figures, the length of each "petal" of the rose is proportional to the percentage of time the wind blew from that direction. On the bottom of each figure is a histogram showing the average wind speed from each of the cardinal wind directions.

A separate compilation of data collected from the evaporation pan and manual rain gauge is presented in Appendix C. For comparison purposes, the precipitation amounts reported by the automatic rain gauge over the same time periods are provided. Overall, the precipitation amounts obtained from the manual gauge were comparable to those reported by the automated rain gauge.

Table 3. Missing Data Codes

Mnemonic Code	Description	Equivalent EPA Null Value Reason Code
Sc	Scheduled but not collected	9972
Ti	Sample time out of limits	9973
Fi	Filter damage	9976
Op	Voided by operator	9978
ND	Machine malfunction	9980
Wx	Bad weather	9981
Co	Collection error	9983
Lb	Lab error	9984
QA	Poor quality assurance results	9985
Pwr	Power failure	9988
Wi	Wildlife damage	9989
AZ	Automatic zero/span check	9991
ZS	Manual zero/span check	9986
Au	Performance audit	9992
Ma	Routine maintenance/repairs	9993
Ca	Multipoint calibration	9995
PZ	Precision/zero/span	9998

Table 4. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

October 2016																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.1	0.3	0.5	0.4	0.5	1.1	2.0	1.5	1.3	0.3	0.1	0.1	0.1	0.3	0.7	0.5	10.9
	1.1 - 2.0	0.3	0.5	0.4	1.2	2.6	5.4	7.1	3.1	1.9	0.8	1.1	0.8	0.8	1.9	1.1	0.5	29.4
	2.1 - 3.0	0.0	0.0	0.0	0.7	1.6	2.2	1.5	0.8	0.9	0.7	0.5	0.5	2.0	2.4	0.8	0.3	14.9
	3.1 - 4.0	0.0	0.0	0.0	0.3	0.4	0.5	1.3	1.6	0.9	1.6	0.3	1.2	2.0	1.3	1.1	0.3	12.9
	4.1 - 5.0	0.0	0.0	0.0	0.0	0.3	0.1	0.5	1.6	1.1	2.0	1.5	0.8	1.3	1.3	0.8	0.3	11.7
	5.1 - 6.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.8	0.8	1.1	1.1	0.3	1.9	1.5	0.8	0.3	8.7
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.3	0.3	1.1	1.1	0.4	1.2	0.1	5.0
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.1	0.7	0.1	0.5	1.2	0.3	0.5	0.0	3.9
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.1	0.7	0.1	0.3	0.0	1.7
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.8
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	1.5	0.8	0.9	2.6	5.4	9.3	12.8	10.2	7.1	7.8	5.4	5.5	11.4	9.5	7.5	2.3	100.0
	Average Speed	1.3	1.2	1.0	1.9	2.0	1.8	2.0	3.0	2.8	4.4	4.2	4.4	4.8	3.7	4.4	2.8	3.2

Table 5. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

November 2016																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.8	0.7	0.6	1.7	1.3	1.1	1.8	2.2	1.0	0.7	0.1	0.6	0.1	0.6	0.8	1.0	15.0
	1.1 - 2.0	0.6	0.8	1.1	1.9	3.2	6.7	9.2	4.7	0.7	0.6	0.6	0.6	0.4	0.6	1.4	0.3	33.2
	2.1 - 3.0	0.0	0.0	0.7	0.4	2.2	3.6	2.1	1.7	1.3	0.3	0.1	0.8	1.4	1.9	1.5	0.1	18.2
	3.1 - 4.0	0.0	0.1	0.0	0.1	1.4	0.3	0.3	1.8	1.1	0.7	0.3	0.4	1.7	2.4	0.6	0.3	11.4
	4.1 - 5.0	0.0	0.0	0.0	0.0	0.3	0.1	0.3	1.4	1.3	1.3	0.6	0.6	2.1	1.3	0.6	0.1	9.7
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.7	0.6	0.6	0.3	1.5	1.4	0.4	0.0	5.7
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.6	0.0	0.1	0.8	0.8	0.6	0.1	0.0	3.2
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.3	0.0	0.8	0.3	0.3	0.1	2.1
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.3	0.1	0.4	0.0	1.3
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.3
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	1.4	1.7	2.4	4.2	8.3	11.8	14.2	11.8	6.8	4.0	2.8	4.3	9.3	9.0	6.1	1.9	100.0
	Average Speed	0.9	1.3	1.6	1.4	2.0	1.9	1.8	2.2	3.5	3.3	4.5	3.9	4.6	3.9	3.3	2.2	2.7

Table 6. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

December 2016																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.5	0.9	2.2	1.4	1.8	1.6	3.0	1.8	0.7	0.4	0.3	0.7	0.3	0.8	2.0	0.5	19.8
	1.1 - 2.0	0.7	1.1	0.5	1.5	3.7	2.8	4.3	2.2	0.9	0.5	0.7	0.8	3.1	1.5	1.5	0.4	26.3
	2.1 - 3.0	0.1	0.0	0.0	0.1	0.5	2.4	2.3	1.1	0.4	0.3	0.3	1.2	3.5	2.6	1.9	0.1	16.9
	3.1 - 4.0	0.1	0.0	0.0	0.0	0.1	0.5	0.8	1.6	0.5	0.3	0.4	0.7	3.5	2.2	0.8	0.0	11.6
	4.1 - 5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.3	0.1	0.9	2.2	1.9	1.4	0.1	8.3
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.4	0.3	2.7	1.5	0.5	0.1	6.0
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.3	0.4	1.5	0.7	0.4	0.0	3.8
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	2.0	0.7	0.1	0.0	3.5
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	1.1	0.4	0.1	0.0	1.8
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.1	0.0	0.0	0.7
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.5	0.1	0.0	0.0	0.8
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.3
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	2.4	2.0	2.7	3.0	6.1	7.4	10.4	7.6	3.7	2.0	3.0	5.4	21.2	12.9	8.8	1.4	100.0
	Average Speed	1.2	0.9	0.8	1.1	1.3	1.8	1.6	2.4	2.8	2.7	4.3	3.5	4.7	4.2	2.9	1.9	3.0

Table 7. Quarterly Wind Rose Summary, Black Butte Copper Project Met Tower

Fourth Quarter 2016																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.1	0.6	1.1	1.1	1.2	1.3	2.3	1.8	1.0	0.5	0.2	0.5	0.2	0.5	1.2	0.7	15.2
	1.1 - 2.0	0.5	0.8	0.7	1.5	3.1	4.9	6.9	3.3	1.2	0.6	0.8	0.7	1.5	1.3	1.3	0.4	29.6
	2.1 - 3.0	0.0	0.0	0.2	0.4	1.5	2.7	2.0	1.2	0.9	0.4	0.3	0.9	2.3	2.3	1.4	0.2	16.7
	3.1 - 4.0	0.0	0.0	0.0	0.1	0.6	0.5	0.8	1.7	0.9	0.9	0.3	0.8	2.4	2.0	0.8	0.2	12.0
	4.1 - 5.0	0.0	0.0	0.0	0.0	0.2	0.1	0.3	1.2	1.0	1.2	0.7	0.8	1.9	1.5	0.9	0.2	9.9
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	0.6	0.7	0.3	2.0	1.5	0.6	0.1	6.8
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.2	0.8	1.1	0.5	0.6	0.0	4.0
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.3	1.4	0.4	0.3	0.0	3.2
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.7	0.2	0.3	0.0	1.6
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.0	0.1	0.0	0.6
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.3
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	1.8	1.5	2.0	3.2	6.6	9.5	12.4	9.9	5.9	4.6	3.7	5.1	14.0	10.5	7.5	1.9	100.0
	Average Speed	1.2	1.1	1.2	1.4	1.8	1.8	1.8	2.5	3.1	3.8	4.3	3.9	4.7	4.0	3.5	2.4	3.0

Figure 2. Monthly Wind Rose, Black Butte Copper Project Met Tower

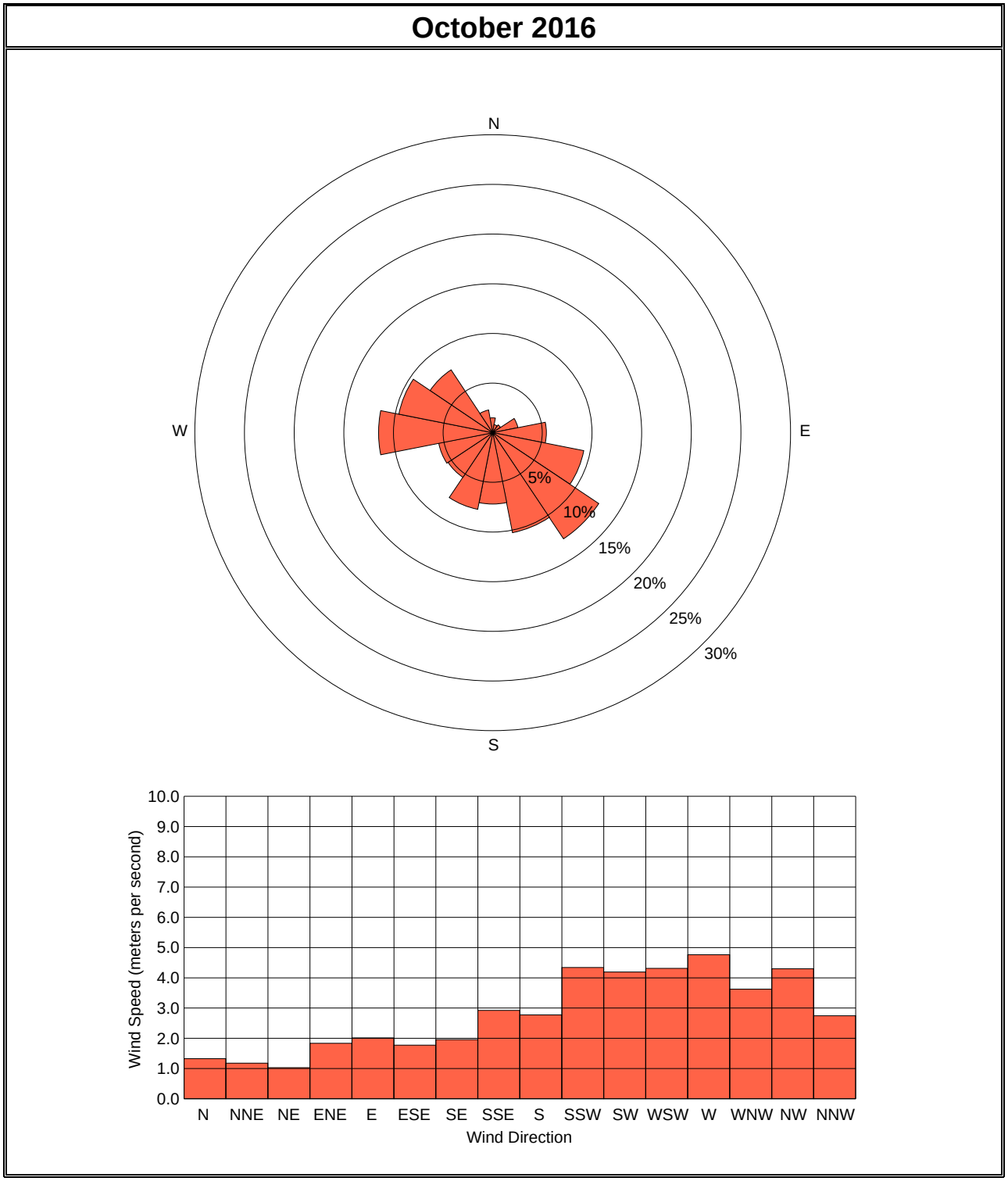


Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower

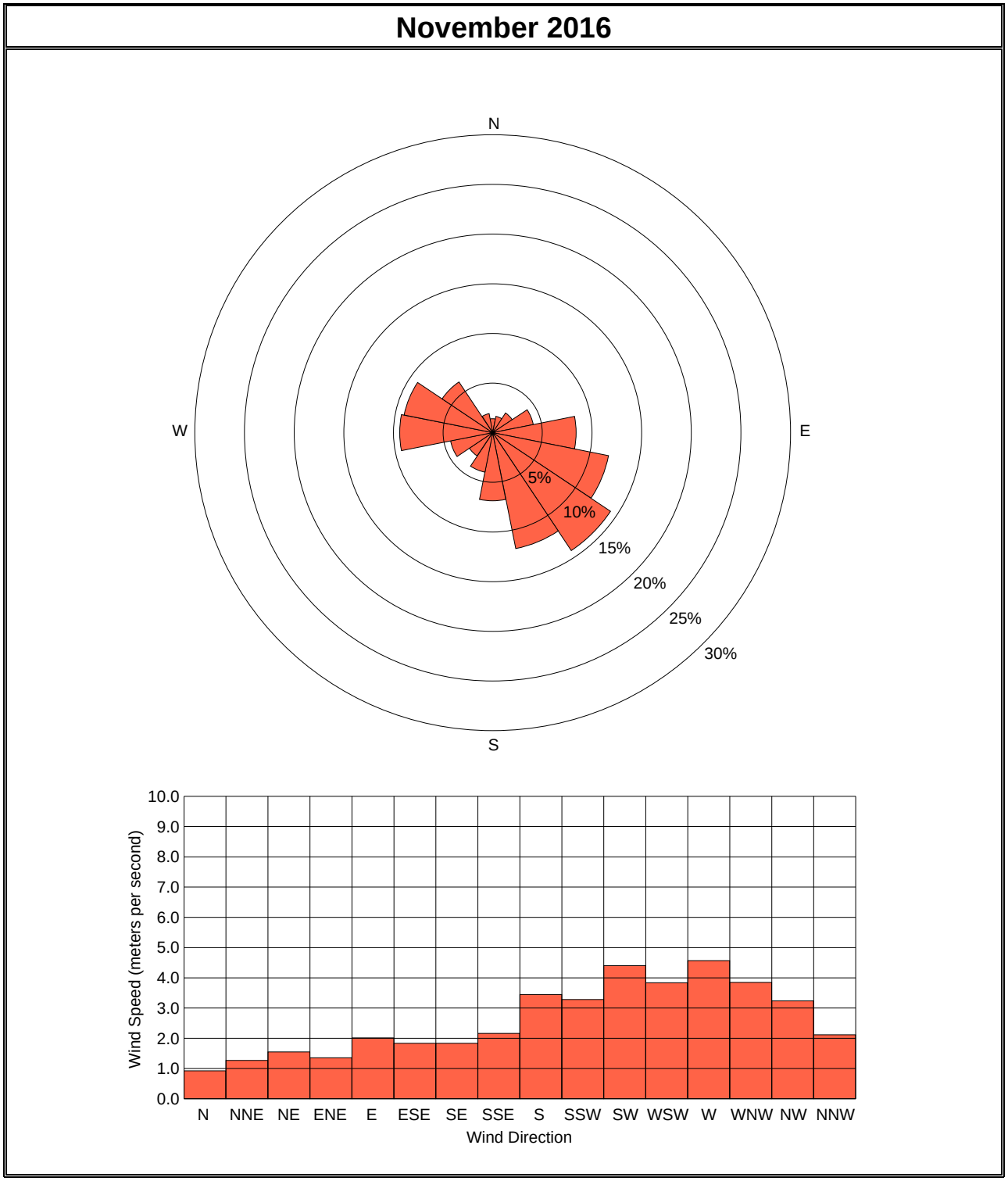


Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower

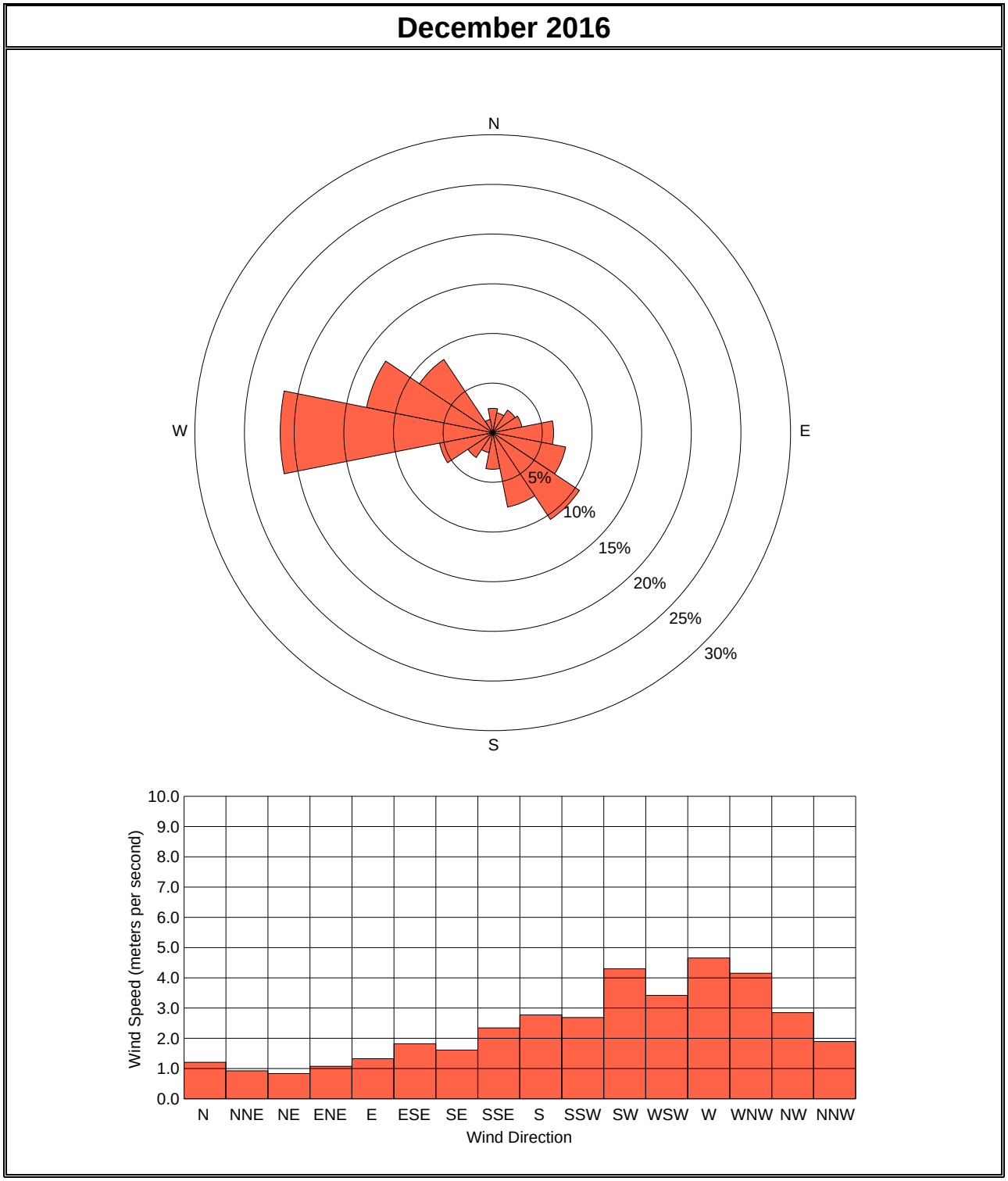
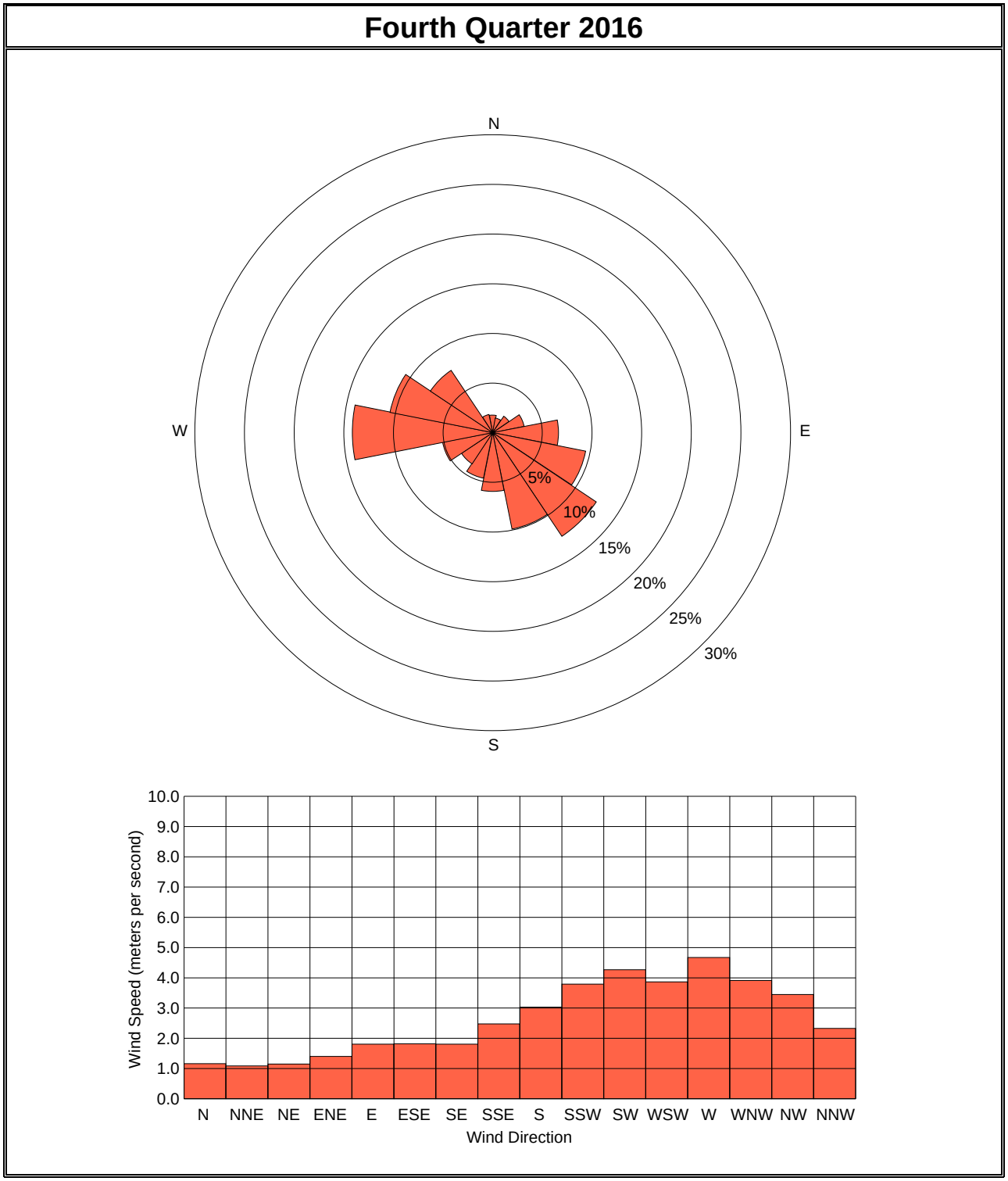


Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower



APPENDIX A: HOURLY AIR QUALITY AND METEOROLOGICAL DATA, FOURTH QUARTER 2016

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
October 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.2	0.6	1.7	1.9	1.5	1.6	3.4	1.8	1.6	4.3	3.2	2.4	5.2	4.5	5.7	5.2	2.1	3.2	2.6	1.7	1.8	1.7	1.3	1.1	2.6	5.7	0.6
2	1.2	1.1	1.0	0.8	0.9	0.7	1.5	0.9	2.7	4.7	7.7	7.1	5.0	4.5	3.5	2.7	4.1	3.1	1.6	2.3	1.3	1.9	1.3	1.2	2.6	7.7	0.7
3	1.9	2.4	1.7	2.1	3.0	3.5	4.2	3.0	5.9	3.2	3.8	4.6	5.1	4.4	5.9	6.3	6.1	3.0	3.8	3.9	5.2	7.2	6.8	6.1	4.3	7.2	1.7
4	6.7	7.1	6.3	7.0	9.4	8.9	9.8	8.9	7.5	6.9	5.8	5.3	5.8	6.4	7.1	6.8	5.0	3.3	1.7	1.4	0.7	1.3	0.9	1.6	5.5	9.8	0.7
5	1.9	2.5	3.4	3.5	3.6	2.9	4.3	4.3	4.0	4.9	5.8	5.8	6.1	5.7	4.9	5.3	4.7	4.3	3.5	2.8	2.5	0.9	0.8	0.7	3.7	6.1	0.7
6	0.7	0.6	0.6	0.6	0.7	0.8	0.5	0.6	0.9	3.1	4.0	4.5	4.9	5.3	5.8	5.3	3.8	2.9	2.0	1.3	1.3	0.8	1.0	0.8	2.2	5.8	0.5
7	0.8	0.9	1.1	1.3	1.1	1.4	1.5	1.4	2.4	3.5	5.8	5.8	5.1	4.9	3.7	2.7	5.3	3.8	3.3	2.8	3.3	2.8	2.7	2.6	2.9	5.8	0.8
8	2.8	1.5	2.1	1.8	1.2	1.4	1.4	1.8	1.7	2.2	2.1	3.2	4.6	3.9	3.9	4.2	4.2	3.6	2.3	3.3	3.8	2.1	1.5	1.4	2.6	4.6	1.2
9	2.1	1.1	1.0	2.6	5.2	4.9	2.8	5.3	7.4	9.0	10.0	7.8	6.7	7.2	7.3	5.6	3.2	2.3	1.6	2.3	2.1	1.4	1.2	1.7	4.2	10.0	1.0
10	1.8	5.9	6.5	7.3	6.1	6.5	4.8	5.3	3.0	3.9	6.4	6.2	5.7	7.2	5.7	5.6	5.7	4.9	5.5	3.7	2.5	2.1	1.7	3.0	4.9	7.3	1.7
11	1.2	1.6	2.6	1.6	2.4	3.2	2.0	2.0	2.5	2.2	3.1	4.7	5.5	4.4	3.9	4.2	3.1	1.6	1.2	1.4	1.7	1.1	0.9	0.7	2.5	5.5	0.7
12	0.6	0.6	0.6	0.4	0.6	0.6	0.6	0.5	0.5	0.4	0.7	0.9	1.8	1.5	1.8	1.9	1.0	4.3	4.2	2.7	3.1	2.1	1.8	1.7	1.5	4.3	0.4
13	1.8	1.9	1.4	1.3	1.4	1.7	1.5	1.3	1.0	0.7	2.1	3.4	1.8	4.6	7.1	5.9	3.6	2.5	3.5	1.7	3.1	3.1	4.3	5.6	2.8	7.1	0.7
14	4.4	7.3	6.4	5.4	4.1	3.5	7.4	8.1	7.7	7.7	8.1	9.5	9.8	7.7	4.3	3.4	1.4	1.8	1.6	0.9	1.4	3.6	4.8	3.5	5.2	9.8	0.9
15	1.6	1.2	2.0	2.9	2.5	1.6	1.0	1.9	2.9	5.0	5.4	5.4	6.1	5.1	4.4	4.9	3.6	3.1	2.5	3.6	3.5	2.3	5.4	3.4	3.4	6.1	1.0
16	5.1	6.3	7.1	2.7	1.6	2.4	4.5	6.6	6.0	7.5	5.3	9.0	6.9	8.7	6.9	5.8	2.9	2.1	3.0	2.3	2.8	2.0	1.6	1.2	4.6	9.0	1.2
17	0.8	0.9	1.2	1.5	1.8	1.7	1.3	1.0	0.8	3.0	3.6	5.9	7.6	6.3	5.4	4.7	7.8	3.4	2.0	1.4	2.2	1.3	1.4	1.5	2.9	7.8	0.8
18	1.5	1.6	1.4	2.2	3.5	2.3	1.7	1.4	3.4	4.1	5.5	6.3	8.1	5.7	3.9	4.8	4.7	2.2	1.2	3.0	3.0	2.8	1.5	2.9	3.3	8.1	1.2
19	2.3	2.0	0.7	0.9	3.1	2.1	3.5	3.2	3.2	4.6	6.7	7.5	6.2	7.5	7.7	6.2	5.1	3.4	1.9	1.7	1.8	1.3	0.8	1.1	3.5	7.7	0.7
20	1.0	0.8	1.0	1.3	1.2	1.8	1.9	2.9	3.6	5.0	5.0	4.8	4.9	4.6	5.3	3.0	4.1	2.9	3.6	3.0	2.1	1.2	3.8	3.3	3.0	5.3	0.8
21	6.4	5.0	6.0	4.0	2.1	1.5	2.0	1.5	2.4	2.5	3.2	4.5	3.7	2.9	1.6	1.6	1.3	2.3	1.9	1.2	1.2	0.7	1.0	0.7	2.6	6.4	0.7
22	1.8	1.8	1.6	1.2	2.1	2.9	2.8	8.4	5.2	1.3	4.2	7.4	7.2	6.9	5.7	3.6	1.9	1.2	2.2	1.9	1.6	1.3	1.8	1.4	3.2	8.4	1.2
23	3.2	1.2	2.3	1.7	1.8	2.6	1.9	2.2	2.4	3.6	4.0	4.1	3.9	4.4	3.6	3.5	1.9	2.0	1.9	2.9	2.3	2.3	1.5	1.0	2.6	4.4	1.0
24	1.0	1.1	1.2	1.6	1.8	1.7	2.0	1.7	1.1	0.9	1.7	4.5	5.0	3.5	3.6	3.0	1.6	0.9	1.7	1.5	1.3	0.9	1.0	2.0	1.9	5.0	0.9
25	1.2	1.5	1.1	1.4	1.7	1.5	1.8	1.8	1.6	1.2	1.7	4.5	6.7	6.6	6.5	4.4	3.7	2.7	1.9	2.5	1.1	1.6	1.2	1.4	2.6	6.7	1.1
26	1.3	1.3	0.9	1.3	1.1	0.9	0.9	0.7	0.9	0.7	1.1	2.4	2.4	4.6	4.5	2.2	1.2	1.4	2.0	1.8	0.8	2.0	3.2	2.7	1.8	4.6	0.7
27	2.5	3.5	1.9	1.6	1.2	1.3	1.1	1.3	1.1	2.6	6.0	4.7	5.1	5.1	5.1	4.8	4.2	6.9	3.8	2.6	4.4	5.6	5.0	3.4	3.5	6.9	1.1
28	2.1	3.8	3.3	2.2	3.1	2.5	1.1	1.6	2.1	5.5	4.8	4.7	5.1	4.5	4.9	3.7	1.8	1.6	1.3	1.1	1.1	1.1	1.1	1.7	2.7	5.5	1.1
29	1.4	4.6	4.1	3.5	5.5	5.8	4.6	4.1	4.0	4.8	4.8	5.3	4.7	3.9	3.8	3.4	2.5	2.1	1.6	1.3	1.1	1.5	0.9	1.0	3.3	5.8	0.9
30	1.3	1.2	1.6	0.8	1.4	0.9	1.2	1.0	0.8	0.9	1.0	4.3	4.2	4.0	4.5	2.7	2.3	1.6	1.0	4.3	1.9	1.0	2.4	3.8	2.1	4.5	0.8
31	2.8	2.1	1.6	4.8	5.7	8.1	5.6	3.8	4.2	4.5	6.7	7.6	6.6	8.9	9.9	9.0	8.2	7.4	5.0	2.0	3.7	4.3	5.6	6.5	5.6	9.9	1.6
Avg	2.1	2.4	2.4	2.4	2.7	2.7	2.7	2.9	3.0	3.7	4.5	5.3	5.4	5.3	5.1	4.4	3.6	3.0	2.5	2.3	2.2	2.1	2.3	2.3	3.2	6.7	0.9
Max	6.7	7.3	7.1	7.3	9.4	8.9	9.8	8.9	7.7	9.0	10.0	9.5	9.8	8.9	9.9	9.0	8.2	7.4	5.5	4.3	5.2	7.2	6.8	6.5	5.6	10.0	1.7
Min	0.6	0.6	0.6	0.4	0.6	0.6	0.5	0.5	0.5	0.4	0.7	0.9	1.8	1.5	1.6	1.6	1.0	0.9	1.0	0.9	0.7	0.7	0.8	0.7	1.5	4.3	0.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
November 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	6.1	5.3	4.1	2.4	2.2	1.9	1.5	2.2	2.3	2.6	4.2	4.9	5.3	5.9	6.5	5.1	3.0	1.2	1.6	1.0	1.5	1.7	1.0	3.1	3.2	6.5	1.0
2	1.3	1.2	1.3	1.3	1.6	1.5	1.6	1.5	1.5	2.8	3.1	5.6	4.9	4.3	5.0	3.2	1.5	1.5	2.4	2.0	3.0	2.1	2.1	2.1	2.4	5.6	1.2
3	2.1	2.1	3.0	3.2	2.9	1.8	2.1	1.1	1.4	1.5	1.0	1.9	2.7	1.2	1.4	1.0	2.1	3.7	3.5	2.5	2.8	2.0	1.7	0.9	2.1	3.7	0.9
4	0.8	1.7	1.3	1.7	1.1	1.6	1.8	1.3	0.7	0.7	0.5	3.8	4.7	4.0	4.0	2.9	2.3	2.4	3.1	2.4	2.6	1.5	1.2	1.4	2.1	4.7	0.5
5	1.2	1.3	1.0	0.8	1.0	1.7	1.9	1.8	1.5	1.5	1.5	2.1	1.2	1.6	2.6	3.3	3.0	3.8	4.1	2.9	2.9	2.4	1.9	2.6	2.1	4.1	0.8
6	2.9	2.5	2.1	1.8	1.8	2.0	2.2	1.6	1.4	1.1	4.7	6.7	9.1	7.1	8.5	8.6	5.9	6.8	5.1	3.2	2.6	2.3	2.6	2.3	4.0	9.1	1.1
7	1.7	1.2	1.0	0.8	1.2	1.0	0.8	0.6	0.8	0.7	1.0	2.7	4.6	4.3	3.8	3.2	1.6	1.2	1.9	2.2	1.6	1.0	0.9	1.0	1.7	4.6	0.6
8	0.9	1.3	1.3	1.0	1.8	1.5	2.0	1.6	1.7	0.8	0.8	1.2	1.3	1.7	4.2	3.1	3.0	2.2	3.6	3.1	3.2	1.8	2.0	2.1	2.0	4.2	0.8
9	2.0	1.9	1.9	1.0	1.5	1.5	1.6	1.2	1.4	0.8	0.9	1.0	3.5	3.7	4.6	4.0	1.7	2.4	2.8	1.4	1.1	1.1	0.8	1.0	1.9	4.6	0.8
10	1.0	0.9	0.8	0.8	1.2	1.0	0.8	0.7	1.5	0.7	0.9	3.0	5.1	5.9	7.1	6.9	4.3	3.1	2.7	1.7	2.1	2.0	2.2	2.6	2.5	7.1	0.7
11	2.7	1.5	1.3	2.0	1.8	1.9	1.7	1.9	1.7	1.2	1.1	3.3	3.3	2.6	3.7	3.2	2.6	3.5	3.1	3.1	2.3	1.8	1.2	1.4	2.2	3.7	1.1
12	1.1	1.5	1.4	1.5	1.2	1.5	1.0	1.0	0.8	0.7	1.6	5.9	6.9	7.2	5.9	4.9	4.4	4.2	2.6	1.5	1.7	5.4	4.9	5.5	3.1	7.2	0.7
13	4.8	6.6	5.8	4.1	5.3	2.3	2.4	1.7	2.0	3.9	5.9	7.6	7.2	7.2	6.1	4.5	3.0	2.4	1.4	2.2	1.0	1.0	1.4	4.4	3.9	7.6	1.0
14	6.0	8.5	2.7	1.3	1.5	1.5	2.5	2.2	1.8	1.9	8.0	6.0	8.1	7.0	6.6	7.1	6.4	6.8	8.7	9.8	5.3	4.5	2.4	2.0	4.9	9.8	1.3
15	2.9	1.4	1.3	1.4	1.3	1.3	1.3	1.5	1.7	2.7	3.8	4.4	5.3	4.5	4.8	4.1	4.9	6.1	8.7	7.3	4.8	3.7	6.1	2.8	3.7	8.7	1.3
16	2.1	2.0	0.9	2.6	2.4	2.4	1.5	1.5	1.7	1.2	2.3	5.3	3.7	5.0	5.2	5.2	3.6	3.2	4.1	3.4	1.9	1.6	1.0	1.6	2.7	5.3	0.9
17	2.6	2.4	1.5	2.0	0.7	0.9	0.8	2.4	2.8	3.9	3.6	4.6	3.7	2.4	3.7	4.3	3.8	0.9	1.3	1.4	0.8	0.8	0.6	0.6	2.2	4.6	0.6
18	0.8	1.0	1.5	0.9	0.7	1.0	0.7	0.5	0.4	0.3	1.2	3.4	3.1	2.6	2.9	2.4	2.1	2.0	2.5	1.9	2.4	1.7	2.0	1.4	1.6	3.4	0.3
19	2.1	1.9	1.8	2.6	2.4	1.2	1.0	1.3	0.9	1.4	2.2	4.1	4.1	4.0	2.2	4.2	4.4	4.3	4.7	3.0	2.6	1.6	1.6	3.4	2.6	4.7	0.9
20	3.3	2.8	2.1	1.4	1.1	1.3	1.4	1.5	1.3	2.2	1.6	2.4	4.2	4.6	5.8	4.5	3.2	2.8	1.8	2.9	1.9	1.5	1.3	1.1	2.4	5.8	1.1
21	1.2	1.2	0.6	1.3	0.9	1.5	2.8	4.5	2.2	1.6	2.0	2.8	2.9	3.1	4.5	3.2	3.6	2.4	1.2	1.5	1.1	1.6	1.3	1.1	2.1	4.5	0.6
22	1.2	1.2	1.3	1.0	1.0	0.9	1.0	0.6	1.1	0.7	1.2	3.1	4.5	6.3	5.7	3.7	2.4	1.6	1.7	1.5	1.1	1.0	0.8	0.9	1.9	6.3	0.6
23	0.8	0.9	1.2	1.4	2.2	1.9	1.7	2.3	1.9	1.6	1.6	5.9	3.1	2.4	3.5	3.1	2.4	2.0	1.4	0.9	4.7	3.2	2.6	4.1	2.4	5.9	0.8
24	5.5	5.7	5.0	3.6	3.9	4.0	1.9	1.6	1.5	2.0	4.4	6.2	5.0	4.3	5.5	3.3	3.0	1.1	1.7	2.8	3.4	4.3	5.7	6.7	3.8	6.7	1.1
25	4.9	4.2	4.4	4.4	3.5	4.0	2.5	2.0	3.1	3.8	5.0	5.9	3.9	3.7	4.3	5.4	4.5	3.5	2.1	1.4	1.4	0.9	1.0	1.8	3.4	5.9	0.9
26	2.0	1.1	2.1	2.1	1.2	1.3	1.0	1.1	1.4	3.2	4.8	5.5	6.8	5.2	6.5	2.9	4.8	2.5	2.5	5.0	4.4	2.5	1.6	1.6	3.0	6.8	1.0
27	0.9	1.8	1.7	1.4	1.1	1.1	0.8	1.1	1.0	1.1	1.6	5.7	6.5	7.6	7.0	6.2	7.3	7.4	7.7	6.2	4.4	4.4	1.5	1.2	3.6	7.7	0.8
28	2.6	3.7	3.5	2.8	1.7	1.8	1.5	1.0	0.9	2.9	5.2	8.1	7.5	7.2	8.7	8.3	5.9	5.0	4.6	5.2	4.8	4.5	3.5	3.6	4.4	8.7	0.9
29	3.2	2.5	2.2	2.5	3.0	3.2	3.1	2.7	2.6	3.5	3.9	5.2	5.6	5.3	4.8	3.9	1.9	1.1	2.0	1.5	1.5	1.1	0.9	0.6	2.8	5.6	0.6
30	0.6	0.6	0.4	0.5	0.6	0.5	0.6	0.5	0.6	0.5	0.4	0.7	2.1	3.3	3.0	3.2	1.6	1.1	1.0	1.1	1.1	0.9	0.9	1.1	1.1	3.3	0.4
Avg	2.4	2.4	2.0	1.9	1.8	1.7	1.6	1.6	1.5	1.8	2.7	4.3	4.7	4.5	4.9	4.3	3.5	3.1	3.2	2.9	2.5	2.2	2.0	2.2	2.7	5.9	0.8
Max	6.1	8.5	5.8	4.4	5.3	4.0	3.1	4.5	3.1	3.9	8.0	8.1	9.1	7.6	8.7	8.6	7.3	7.4	8.7	9.8	5.3	5.4	6.1	6.7	4.9	9.8	1.3
Min	0.6	0.6	0.4	0.5	0.6	0.5	0.6	0.5	0.4	0.3	0.4	0.7	1.2	1.2	1.4	1.0	1.5	0.9	1.0	0.9	0.8	0.8	0.6	0.6	1.1	3.3	0.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
December 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.1	0.9	0.8	1.1	1.1	0.9	1.0	0.8	0.7	0.5	1.3	3.1	4.3	3.5	2.9	2.9	3.1	1.6	0.8	2.0	1.3	1.3	2.5	1.9	1.7	4.3	0.5
2	3.7	2.5	2.6	2.1	1.8	1.1	1.2	2.3	1.2	2.2	2.9	4.1	5.1	4.6	5.0	4.0	1.5	0.7	1.4	1.6	1.1	1.2	2.9	2.0	2.5	5.1	0.7
3	2.0	2.3	1.3	0.9	1.0	1.7	1.9	3.2	5.9	8.3	7.9	8.2	8.8	8.7	9.2	8.2	7.5	4.5	4.2	5.3	3.8	3.8	4.1	4.5	4.9	9.2	0.9
4	2.7	2.7	1.4	2.0	3.0	2.2	2.8	1.7	2.4	2.3	4.0	3.3	4.6	7.1	5.9	4.3	5.2	7.8	7.3	5.2	5.0	5.5	4.3	4.8	4.1	7.8	1.4
5	4.6	1.2	1.9	4.1	4.1	1.5	2.0	1.3	2.2	3.1	5.0	4.6	4.6	2.9	2.7	1.6	0.8	1.0	0.9	0.8	1.4	1.0	1.1	1.5	2.3	5.0	0.8
6	1.1	1.3	1.4	3.2	2.2	0.8	0.6	0.6	0.9	0.7	1.8	2.2	3.1	3.6	3.2	3.2	3.5	3.5	3.3	1.3	2.9	4.1	3.3	3.1	2.3	4.1	0.6
7	2.7	2.0	2.1	2.7	2.0	1.9	0.7	1.8	1.7	0.8	1.1	0.8	2.3	2.6	1.5	1.2	1.1	1.4	1.5	0.7	0.5	0.7	0.6	0.6	1.5	2.7	0.5
8	0.8	0.6	0.7	0.8	0.8	0.7	0.6	0.5	0.7	0.6	2.3	4.1	3.8	4.8	6.0	6.2	6.4	6.4	4.0	1.3	1.3	1.2	1.9	2.4	2.5	6.4	0.5
9	1.4	4.8	2.9	2.5	3.9	3.1	3.5	3.8	3.9	3.5	3.3	2.3	1.9	1.5	1.1	1.1	1.0	1.5	2.0	1.0	0.7	0.8	0.8	1.0	2.2	4.8	0.7
10	0.6	0.7	0.9	0.8	1.3	1.1	1.6	1.3	1.4	1.1	1.5	2.6	3.2	5.1	8.6	11.3	8.1	8.1	6.2	5.4	3.5	4.3	3.3	3.9	3.6	11.3	0.6
11	0.9	1.9	2.4	0.9	1.5	1.1	1.0	0.7	0.7	1.1	1.3	3.4	4.2	5.6	3.9	5.5	4.2	1.6	1.5	1.2	0.9	1.0	1.0	5.0	2.2	5.6	0.7
12	5.7	3.1	2.9	2.4	2.3	3.6	3.7	2.8	2.4	2.6	3.2	2.4	1.7	2.1	2.6	2.4	2.4	2.6	1.2	1.2	1.1	0.8	0.9	1.0	2.4	5.7	0.8
13	0.8	0.8	0.8	0.6	0.4	0.7	0.7	0.7	0.7	0.9	0.9	4.6	7.2	7.3	6.8	3.3	4.1	1.9	1.8	2.1	1.8	0.9	0.7	0.9	2.1	7.3	0.4
14	0.9	0.6	0.9	0.5	0.5	0.4	0.6	0.5	0.7	0.9	0.6	0.5	0.4	0.7	0.6	0.4	0.8	0.9	1.2	0.8	0.7	1.2	0.7	1.6	0.7	1.6	0.4
15	0.8	2.3	3.3	3.6	2.4	1.4	2.1	2.8	1.8	1.2	1.5	1.7	2.4	3.5	3.9	3.2	2.8	2.6	2.0	2.4	2.0	2.4	2.3	2.4	2.4	3.9	0.8
16	2.8	2.4	2.4	2.4	1.9	2.2	2.3	2.6	2.1	2.3	1.7	1.0	4.3	5.2	3.6	1.5	2.2	5.2	3.8	2.3	0.7	1.7	1.3	1.0	2.5	5.2	0.7
17	0.5	0.7	0.6	0.6	0.6	0.5	0.6	0.5	0.4	0.6	0.6	0.7	0.8	1.0	1.4	2.8	1.3	1.7	1.8	2.8	1.9	1.6	1.6	1.0	1.1	2.8	0.4
18	2.2	4.3	3.3	1.7	1.6	1.2	1.1	0.9	1.3	1.4	1.5	4.2	5.1	5.9	5.2	3.6	5.0	4.0	4.6	2.5	1.6	1.5	1.7	1.3	2.8	5.9	0.9
19	2.4	1.9	1.6	1.4	2.6	4.5	1.4	3.1	3.7	3.4	4.7	6.8	5.5	6.9	5.9	7.9	8.0	9.3	10.1	7.8	8.0	8.4	6.2	6.9	5.3	10.1	1.4
20	4.4	4.5	3.8	2.9	3.1	1.1	2.1	2.4	4.1	2.3	2.2	2.7	3.6	5.2	6.5	7.6	10.7	14.5	15.4	10.9	10.7	8.5	7.7	7.8	6.0	15.4	1.1
21	7.1	7.8	6.7	6.3	5.2	4.0	3.4	3.9	5.0	5.7	Au	Au	Au	Au	Au	2.4	1.3	1.9	1.7	1.4	1.0	0.8	1.2	1.9	3.6	7.8	0.8
22	2.5	2.8	3.1	2.8	2.5	2.1	1.9	2.2	2.6	1.6	0.8	0.9	0.8	2.4	3.8	3.6	4.0	1.8	1.4	2.0	3.6	2.8	1.2	1.7	2.3	4.0	0.8
23	1.2	1.4	1.6	1.1	1.6	1.4	1.5	1.3	0.8	0.8	1.1	0.9	2.3	1.8	1.8	1.1	2.0	2.7	2.3	2.6	2.1	2.6	3.1	2.2	1.7	3.1	0.8
24	3.0	2.8	2.1	1.9	1.7	1.4	1.4	1.2	0.8	0.7	1.0	3.6	4.0	2.3	3.7	4.8	3.3	3.3	2.4	2.4	2.5	2.0	2.1	1.7	2.3	4.8	0.7
25	3.0	5.9	6.9	6.1	5.4	6.7	5.1	5.8	6.9	6.1	5.6	3.2	4.4	5.1	5.6	4.2	4.3	2.0	3.8	3.2	1.0	0.6	0.9	1.9	4.3	6.9	0.6
26	0.9	0.6	0.6	1.1	1.4	0.9	1.2	3.7	4.6	6.4	7.0	5.2	5.6	6.9	6.6	4.3	1.0	1.9	2.2	1.6	1.2	0.9	1.1	1.3	2.8	7.0	0.6
27	1.4	0.9	1.2	0.9	1.2	1.1	1.9	4.4	4.5	4.7	5.0	5.5	4.3	4.9	8.6	7.1	5.8	3.7	6.1	5.5	7.5	7.2	5.4	5.7	4.4	8.6	0.9
28	5.3	3.9	3.3	4.8	7.5	8.1	6.9	7.5	7.5	7.2	9.9	10.8	9.5	9.1	8.6	8.0	6.8	4.2	4.0	6.9	5.3	4.1	3.9	2.4	6.5	10.8	2.4
29	1.3	2.1	1.7	1.3	1.1	1.3	0.9	1.1	0.9	0.9	1.2	1.6	2.7	3.0	3.1	3.5	2.2	2.5	1.2	2.1	3.3	3.5	1.2	2.9	1.9	3.5	0.9
30	5.9	6.3	3.6	4.8	12.6	12.1	10.1	7.7	6.8	5.4	5.5	7.5	5.3	4.4	4.3	3.0	3.4	1.0	0.9	0.7	1.0	0.9	1.3	2.6	4.9	12.6	0.7
31	2.2	1.5	1.4	1.3	1.3	1.6	1.7	1.8	1.8	1.5	2.1	5.3	6.1	4.6	4.4	4.6	2.7	3.0	2.7	1.6	1.2	0.9	1.1	1.2	2.4	6.1	0.9
Avg	2.4	2.5	2.3	2.2	2.6	2.3	2.2	2.4	2.6	2.6	3.0	3.6	4.1	4.4	4.6	4.2	3.8	3.5	3.3	2.9	2.6	2.5	2.3	2.6	3.0	6.4	0.8
Max	7.1	7.8	6.9	6.3	12.6	12.1	10.1	7.7	7.5	8.3	9.9	10.8	9.5	9.1	9.2	11.3	10.7	14.5	15.4	10.9	10.7	8.5	7.7	7.8	6.5	15.4	2.4
Min	0.5	0.6	0.6	0.5	0.4	0.4	0.6	0.5	0.4	0.5	0.6	0.5	0.4	0.7	0.6	0.4	0.8	0.7	0.8	0.7	0.5	0.6	0.6	0.6	0.7	1.6	0.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
October 2016

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	180	325	84	107	140	79	120	127	172	251	70	161	209	204	213	7	105	105	120	131	103	355	109	35	122
2	26	140	127	299	129	316	138	163	138	148	147	134	136	131	139	142	141	156	186	122	222	125	121	62	138
3	297	324	279	300	267	305	316	317	320	309	343	347	328	336	334	329	322	334	325	325	319	323	311	308	318
4	314	314	308	316	313	312	307	307	306	303	302	285	286	294	305	309	321	346	300	104	58	59	339	330	317
5	322	299	280	280	280	292	313	315	289	280	264	278	281	285	287	287	308	312	310	296	316	272	237	172	288
6	122	185	103	4	226	165	135	33	354	288	292	280	282	297	292	287	307	284	257	160	147	133	100	109	247
7	55	141	141	159	167	154	154	140	103	174	185	186	193	187	206	213	214	211	237	258	259	294	283	271	192
8	293	288	270	275	100	115	120	117	115	104	151	153	201	205	199	208	208	197	170	143	137	90	133	68	159
9	96	133	106	178	193	195	201	194	198	205	217	248	247	263	280	277	256	252	248	289	115	346	44	259	222
10	202	157	156	152	160	163	158	178	310	260	312	308	310	300	290	260	271	290	312	293	263	250	269	289	256
11	208	257	276	294	302	304	300	303	317	303	257	261	261	259	275	276	256	179	121	84	125	169	183	130	257
12	193	144	165	190	155	169	163	132	334	10	356	11	299	285	314	281	79	88	92	101	92	113	124	131	120
13	142	132	147	146	164	146	155	112	154	305	133	143	129	197	201	207	226	213	195	170	195	194	198	209	172
14	189	219	203	192	167	186	199	198	186	199	205	214	265	280	252	254	228	216	170	349	179	180	192	128	205
15	131	126	61	78	78	102	149	128	176	194	219	222	224	219	219	206	183	151	141	165	150	154	144	149	159
16	150	155	196	193	148	228	213	250	271	257	267	261	266	254	258	267	263	170	106	108	77	85	121	160	206
17	183	153	314	81	138	210	145	300	110	288	257	274	276	267	277	284	280	261	180	75	108	248	92	229	232
18	288	323	296	253	253	282	298	169	274	284	285	272	266	261	294	272	260	264	193	93	299	278	297	281	274
19	277	313	55	140	290	296	267	270	276	276	255	259	254	244	243	245	245	260	256	177	137	132	123	155	246
20	147	166	131	165	201	145	142	120	102	153	185	180	206	210	214	217	219	179	164	132	142	178	208	223	172
21	231	236	261	283	330	235	132	251	259	276	277	284	292	290	351	335	140	96	120	59	113	320	89	337	282
22	127	133	126	119	100	226	284	296	315	164	242	263	260	278	292	283	283	229	72	27	39	320	112	137	244
23	133	77	102	118	130	132	139	128	115	137	153	159	158	178	158	146	123	137	124	97	106	112	113	97	128
24	145	137	123	114	121	153	124	129	134	24	144	172	204	199	185	188	260	53	121	111	27	8	119	109	132
25	126	121	190	104	111	119	105	107	90	98	149	242	262	272	284	281	276	275	92	91	95	92	112	103	125
26	100	106	121	165	145	200	75	143	126	58	95	166	185	219	232	223	105	135	81	74	315	92	83	75	125
27	96	79	111	125	125	146	133	147	149	118	168	164	191	179	190	190	197	200	187	196	217	219	237	191	166
28	156	208	249	265	301	315	342	97	277	278	296	294	306	293	298	307	298	89	32	322	108	218	305	118	293
29	73	159	155	162	159	156	156	160	167	155	167	154	132	127	125	121	129	135	144	211	117	167	156	4	146
30	134	137	124	131	156	172	147	173	175	142	334	222	220	195	191	163	134	157	182	109	98	48	95	78	148
31	85	85	176	224	233	229	233	269	240	233	242	263	274	279	277	276	278	284	280	231	250	234	248	254	249
Prev	148	155	155	172	168	191	162	166	198	236	229	232	244	245	252	253	238	202	163	119	125	161	140	138	196

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
November 2016

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	250	261	257	277	243	113	122	119	100	35	269	244	253	253	257	264	255	163	133	100	108	131	161	246	209
2	209	96	121	53	148	109	112	137	137	131	181	225	212	204	214	187	154	124	99	109	105	114	123	100	140
3	128	127	98	100	111	103	127	173	82	141	184	318	316	20	325	322	85	83	78	89	91	136	144	96	101
4	84	149	102	152	118	140	157	151	62	337	356	160	157	151	160	163	156	113	98	55	76	126	124	106	123
5	139	139	148	96	143	128	135	154	148	140	103	161	145	157	155	161	170	98	102	104	105	112	148	122	134
6	93	84	117	139	140	118	128	129	119	351	186	247	252	268	257	271	271	289	278	312	341	68	54	97	152
7	75	17	63	28	85	126	128	101	157	327	159	305	257	262	287	263	230	98	90	48	117	117	240	143	108
8	150	137	155	129	148	151	109	157	153	151	322	124	80	113	155	166	154	125	118	103	95	118	129	120	132
9	105	114	126	57	124	145	143	68	129	343	284	329	269	286	269	272	223	109	80	27	30	50	22	44	67
10	338	27	48	142	137	31	60	322	150	261	325	156	136	141	140	141	160	157	139	138	111	126	112	103	119
11	101	50	83	117	144	126	135	140	159	153	112	156	151	157	171	170	149	99	90	82	82	98	59	108	121
12	87	131	132	149	136	133	109	108	138	192	251	213	228	225	229	265	261	261	242	144	69	288	264	275	192
13	288	293	273	275	280	313	262	260	194	252	274	261	263	267	273	267	263	244	122	121	121	326	11	271	268
14	284	286	268	204	102	112	101	104	103	90	224	217	232	250	259	261	271	268	279	270	299	295	287	290	255
15	290	322	185	138	127	152	118	120	158	147	130	163	191	174	171	173	150	184	172	177	181	234	267	293	172
16	318	105	4	266	263	64	11	105	106	313	301	278	267	298	283	286	310	298	272	283	288	245	152	316	297
17	308	324	302	318	204	148	204	297	299	297	295	286	19	39	335	332	342	94	130	125	192	112	77	5	325
18	61	151	152	150	100	148	143	149	171	250	106	152	193	200	204	187	139	110	107	164	158	159	133	178	153
19	174	141	120	131	114	149	69	152	140	144	167	163	180	155	130	164	200	197	209	224	176	142	53	88	151
20	95	105	108	136	165	140	102	128	116	121	125	174	191	198	190	189	219	279	114	106	98	137	144	209	144
21	132	147	348	137	9	312	308	310	284	348	292	286	250	262	269	277	272	271	25	96	13	79	87	68	319
22	85	104	67	73	105	38	129	4	61	290	36	308	266	251	284	280	249	136	130	144	156	178	163	159	121
23	225	304	138	88	91	117	128	93	115	91	94	200	164	123	190	186	129	129	132	297	275	300	298	274	146
24	271	277	288	291	292	294	154	73	267	234	254	254	231	220	226	245	183	184	144	161	189	196	191	174	226
25	156	165	143	142	162	151	144	177	192	211	211	194	201	212	228	212	205	186	178	129	104	78	98	86	168
26	108	80	125	183	123	119	335	328	71	127	160	171	186	175	191	178	180	108	141	89	97	129	155	111	135
27	132	67	73	152	100	94	51	80	76	73	252	286	299	314	304	295	278	282	284	273	285	288	257	226	303
28	277	272	304	293	309	47	105	17	78	305	315	316	323	332	326	324	320	318	310	311	312	293	284	280	316
29	294	322	317	311	303	299	303	292	296	297	284	289	289	299	302	282	311	72	108	54	71	37	106	100	319
30	117	144	148	154	141	189	192	178	170	238	291	349	292	269	264	263	277	10	62	141	305	173	237	149	203
Prev	130	107	114	135	134	121	121	122	131	220	239	232	229	225	237	236	219	148	124	114	103	129	136	131	157

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
December 2016

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	174	125	95	133	130	126	151	151	127	72	335	274	268	274	284	255	260	256	237	269	240	238	285	298	224
2	291	288	275	270	246	199	271	259	258	270	258	255	255	257	263	263	262	238	121	114	234	26	265	259	258
3	267	299	166	228	152	181	230	274	273	283	276	272	272	278	270	267	272	290	279	288	292	265	264	248	263
4	258	234	279	239	240	193	164	143	123	150	192	206	252	244	231	267	294	290	278	288	296	299	289	290	246
5	335	66	342	318	311	5	299	308	290	314	312	312	267	269	275	259	113	34	50	82	259	53	116	80	332
6	24	91	87	80	66	358	175	285	310	12	306	299	262	265	268	256	275	304	308	319	323	314	285	288	311
7	288	282	273	305	313	302	247	274	273	290	273	302	323	317	320	264	197	97	306	143	262	320	283	86	288
8	214	69	164	161	210	143	73	331	143	21	119	175	175	161	179	170	166	162	143	65	66	28	117	142	139
9	352	167	167	169	165	166	164	163	163	161	165	159	159	149	139	38	319	136	166	305	133	150	325	127	156
10	42	3	125	162	175	161	150	166	145	135	136	157	287	273	289	293	291	308	305	304	299	300	302	308	255
11	51	107	89	77	123	99	136	48	134	89	97	232	256	278	260	272	269	236	180	136	92	322	267	267	148
12	294	300	315	305	306	303	291	313	304	299	262	293	275	312	302	276	260	270	301	97	83	130	358	127	299
13	3	5	106	3	67	132	112	132	32	108	52	294	284	295	317	298	284	231	97	111	62	94	342	103	45
14	117	357	98	40	111	50	175	77	125	157	66	139	33	140	357	317	137	109	134	101	321	89	46	121	91
15	130	141	159	158	143	149	333	307	309	309	292	278	294	277	262	265	278	287	272	249	277	259	262	264	263
16	255	267	276	274	272	267	265	265	263	295	314	315	320	328	359	358	285	325	303	293	170	94	77	84	296
17	14	66	48	86	23	67	191	109	54	149	125	160	36	319	288	277	151	96	83	105	102	81	88	153	89
18	264	279	277	268	67	100	135	210	119	74	51	273	270	266	273	278	289	280	292	284	275	280	284	85	276
19	129	61	107	356	132	154	97	166	116	105	205	231	260	254	223	231	261	285	280	287	290	279	272	254	226
20	241	230	233	214	176	192	128	133	151	118	92	188	155	226	235	225	225	267	278	269	280	277	275	277	218
21	272	276	270	264	272	276	259	261	272	270	Au	Au	Au	Au	Au	312	18	142	123	131	99	129	134	140	241
22	131	124	124	110	112	141	129	106	106	143	7	7	42	158	152	128	140	126	149	125	107	108	51	106	115
23	99	132	133	41	112	128	167	183	164	34	153	338	128	112	131	88	135	186	145	97	130	113	105	113	123
24	106	109	133	128	127	145	107	109	86	9	318	190	177	213	291	311	267	264	274	283	276	274	283	356	222
25	326	297	310	291	280	290	317	300	279	294	284	296	293	288	269	297	320	292	320	319	120	79	21	80	306
26	91	309	315	88	154	311	23	296	283	267	262	269	261	274	270	275	240	181	134	137	138	41	111	153	252
27	146	152	175	119	310	337	156	182	177	158	191	191	173	197	231	240	244	271	250	274	275	264	265	274	217
28	271	257	242	240	253	260	267	276	269	273	273	275	275	278	278	281	280	294	291	279	279	272	271	251	270
29	151	127	95	89	21	131	286	88	296	335	13	117	163	137	132	139	109	106	86	87	239	221	67	159	114
30	209	211	237	262	282	282	297	279	288	280	286	305	318	311	323	308	271	178	65	206	252	105	123	247	269
31	251	234	201	260	27	311	299	277	293	74	286	286	287	289	279	275	349	103	106	113	143	315	77	117	287
Prev	260	223	175	210	160	172	193	227	221	356	284	256	265	261	268	274	260	244	243	213	248	332	317	166	250

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
October 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	79	90	38	30	41	70	30	47	82	32	26	73	20	15	65	75	68	63	28	20	38	93	56	68	52	93	15
2	79	94	53	66	59	72	39	96	21	17	12	12	17	19	17	17	11	11	19	60	88	55	91	46	45	96	11
3	61	19	24	27	28	19	16	22	7	25	18	17	10	10	8	9	8	18	15	13	11	10	8	9	17	61	7
4	10	9	8	8	9	9	9	8	8	9	12	9	9	15	10	11	14	21	65	51	30	15	69	18	18	69	8
5	11	13	12	11	12	11	9	14	12	17	8	11	8	11	10	14	8	7	10	8	17	23	25	35	13	35	7
6	41	51	63	24	83	59	63	51	40	12	12	13	12	16	15	9	16	25	21	83	32	43	66	66	38	83	9
7	72	82	41	35	49	28	16	21	18	26	13	12	13	13	20	19	9	17	11	12	16	18	20	17	25	82	9
8	16	41	10	42	29	34	41	22	24	27	30	27	11	15	12	14	14	9	24	36	44	43	16	52	26	52	9
9	45	65	86	68	7	7	15	8	8	9	12	14	10	16	13	16	12	12	35	88	35	73	73	50	32	88	7
10	99	11	9	7	10	11	9	31	18	62	17	17	19	12	25	12	17	24	10	16	14	45	77	41	26	99	7
11	29	40	13	29	21	15	16	18	12	18	17	8	9	8	11	10	16	39	20	40	31	43	36	58	23	58	8
12	58	36	31	67	67	39	59	72	95	91	50	35	68	54	38	39	85	16	16	19	18	29	26	22	47	95	16
13	19	20	22	37	30	19	22	52	43	87	49	11	28	28	11	12	16	16	10	52	16	12	16	13	27	87	10
14	42	12	15	14	32	25	13	9	10	15	12	12	30	10	20	20	28	41	65	86	56	18	8	68	28	86	8
15	45	90	100	57	67	69	57	58	48	15	13	14	12	15	23	22	13	15	21	16	13	49	11	14	36	100	11
16	6	12	30	44	51	65	28	18	12	15	17	12	12	15	15	21	20	46	31	30	36	45	48	47	28	65	6
17	78	91	49	68	23	77	73	82	74	23	15	12	11	12	12	17	11	11	67	50	31	80	37	45	44	91	11
18	86	61	59	16	10	23	57	29	32	9	19	14	11	17	38	16	9	21	65	31	89	12	41	21	33	89	9
19	22	55	94	68	15	35	19	12	14	18	10	10	13	10	10	10	11	16	26	23	21	49	74	80	30	94	10
20	62	57	75	44	78	20	28	27	22	14	13	15	29	13	10	23	13	25	10	11	36	40	11	12	29	78	10
21	11	19	14	24	53	68	65	70	38	13	17	14	17	21	81	92	65	33	20	50	41	41	59	88	42	92	11
22	18	21	28	47	57	58	38	17	9	84	49	15	14	16	16	12	21	103	26	36	66	68	49	66	39	103	9
23	67	58	15	20	23	13	19	18	19	23	20	17	18	16	18	10	21	16	30	13	15	12	51	66	25	67	10
24	56	44	50	20	22	15	26	25	46	71	33	21	21	19	18	13	25	82	37	39	80	73	77	23	39	82	13
25	54	55	59	64	58	33	77	51	57	63	76	18	17	15	14	12	13	38	23	27	49	30	51	46	42	77	12
26	39	49	58	38	37	85	76	92	60	78	65	16	20	20	13	18	32	60	38	37	62	48	10	29	45	92	10
27	30	27	61	66	59	48	53	44	55	29	15	23	23	17	15	14	13	11	10	14	15	10	19	9	28	66	9
28	21	14	17	22	19	34	86	49	44	8	10	13	12	19	20	11	38	62	75	63	67	97	95	50	39	97	8
29	60	6	6	13	6	7	8	8	9	10	12	14	17	12	14	20	18	18	18	77	66	63	88	86	27	88	6
30	41	76	44	69	21	72	58	86	83	68	42	49	14	19	13	29	14	17	79	40	45	65	16	10	45	86	10
31	51	17	76	19	14	16	14	16	18	10	11	12	12	11	11	11	11	9	13	41	13	8	11	9	18	76	8
Avg	45	43	41	38	35	37	37	38	33	32	23	18	17	16	20	20	22	29	30	38	38	42	43	41	32	82	9
Max	99	94	100	69	83	85	86	96	95	91	76	73	68	54	81	92	85	103	79	88	89	97	95	88	52	103	16
Min	6	6	6	7	6	7	8	8	7	8	8	8	8	8	8	9	8	7	10	8	11	8	8	9	13	35	6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
November 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	11	14	13	54	87	43	70	47	61	89	26	18	18	15	17	13	18	54	33	51	80	34	88	27	41	89	11
2	75	59	78	81	48	57	62	58	32	27	67	21	13	15	19	24	59	48	23	33	32	70	20	30	44	81	13
3	25	21	23	31	39	50	18	43	80	88	83	41	16	45	52	43	91	16	22	23	23	20	21	59	41	91	16
4	76	19	31	26	50	36	12	34	80	60	48	23	10	14	11	10	28	16	22	30	38	23	42	59	33	80	10
5	68	64	50	70	73	18	18	20	30	28	97	23	68	43	23	9	12	16	17	17	21	22	18	18	35	97	9
6	23	39	29	33	44	48	34	46	65	87	24	17	12	12	10	12	10	11	15	58	68	67	83	32	37	87	10
7	21	26	25	49	59	42	80	74	55	65	65	62	16	18	16	14	83	85	59	50	47	65	87	39	50	87	14
8	68	45	29	67	16	29	35	25	29	89	52	46	73	57	9	8	8	28	14	17	13	25	31	29	35	89	8
9	28	21	22	48	40	22	31	51	56	67	96	42	26	22	16	11	62	29	20	38	32	31	49	44	38	96	11
10	64	63	78	83	69	92	82	86	71	80	38	39	14	12	11	9	10	14	16	25	13	13	12	14	42	92	9
11	15	26	34	26	13	21	22	19	15	31	88	16	17	23	14	8	29	16	21	14	30	33	36	42	25	88	8
12	49	34	30	22	45	29	44	49	51	99	93	16	11	11	12	10	8	7	31	47	48	22	18	15	33	99	7
13	21	19	10	19	14	83	33	86	36	22	17	14	12	13	18	16	16	86	60	35	60	81	65	17	36	86	10
14	16	11	55	66	62	79	52	42	40	65	14	12	16	22	17	15	13	11	9	12	14	9	17	34	29	79	9
15	13	58	54	23	46	52	46	57	29	12	15	18	22	26	33	26	21	10	7	9	10	41	13	34	28	58	7
16	77	42	91	48	24	59	63	37	31	95	43	28	26	14	10	9	13	37	11	9	45	50	94	43	42	95	9
17	10	12	40	14	96	22	79	34	10	17	26	11	62	60	54	20	66	75	39	22	70	78	80	60	44	96	10
18	78	41	34	57	35	20	36	48	46	69	85	23	21	25	20	13	21	15	16	21	15	29	25	26	34	85	13
19	12	23	36	18	41	45	62	42	75	27	57	18	17	17	21	13	17	13	19	28	11	65	76	16	32	76	11
20	25	21	25	33	65	71	57	34	49	42	33	91	19	11	9	7	32	47	32	18	44	26	39	60	37	91	7
21	86	64	63	58	68	56	20	11	85	51	30	30	32	23	17	19	17	22	49	44	62	17	26	44	41	86	11
22	44	53	63	80	66	71	46	75	73	71	54	31	30	14	10	13	24	19	17	24	40	38	51	51	44	80	10
23	73	75	74	61	71	40	25	25	30	56	72	11	38	19	30	23	17	12	52	92	44	12	26	11	41	92	11
24	9	10	12	16	16	20	53	68	88	49	17	16	18	19	15	27	25	58	29	28	12	8	9	12	26	88	8
25	14	12	12	12	16	24	29	46	19	11	13	13	24	41	18	12	12	31	28	32	54	74	62	41	27	74	11
26	24	62	28	66	26	52	66	88	45	19	18	16	15	21	8	32	24	35	22	10	20	20	38	37	33	88	8
27	63	56	61	43	37	77	65	36	40	46	68	11	14	10	14	14	8	8	9	11	23	14	71	97	37	97	8
28	14	15	13	26	36	28	28	54	89	19	12	10	11	11	10	10	8	10	8	9	9	8	9	7	19	89	7
29	14	11	14	8	10	13	8	11	13	9	10	9	11	15	17	8	46	99	27	37	50	44	42	40	24	99	8
30	43	61	45	50	79	51	43	37	44	60	79	31	55	16	12	9	21	31	33	24	89	81	80	43	47	89	9
Avg	39	36	39	43	46	45	44	46	49	52	48	25	25	22	18	15	27	32	25	29	37	37	44	36	36	87	10
Max	86	75	91	83	96	92	82	88	89	99	97	91	73	60	54	43	91	99	60	92	89	81	94	97	50	99	16
Min	9	10	10	8	10	13	8	11	10	9	10	9	10	10	8	7	8	7	7	9	9	8	9	7	19	58	7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
December 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	81	91	90	85	77	88	98	58	43	64	73	17	14	15	14	13	8	17	24	13	66	37	14	21	47	98	8
2	13	15	9	12	10	48	54	13	40	21	16	20	16	13	11	10	48	87	64	27	100	97	30	15	33	100	9
3	20	41	57	56	66	40	70	16	11	8	11	11	10	9	11	9	9	13	12	11	10	13	12	10	22	70	8
4	19	10	51	22	15	35	25	39	37	34	17	20	15	11	10	31	10	11	12	10	8	8	8	17	20	51	8
5	28	68	30	12	10	65	21	56	25	16	13	17	11	17	18	14	70	68	83	42	38	44	35	37	35	83	10
6	45	29	45	10	44	83	63	90	90	74	13	21	18	25	21	17	16	15	16	18	9	13	12	13	33	90	9
7	13	20	18	12	17	22	19	23	18	37	25	36	13	15	15	28	74	64	25	67	54	26	45	73	32	74	12
8	69	88	26	30	58	88	86	74	23	70	96	8	9	12	7	7	7	6	17	46	51	56	35	22	41	96	6
9	64	9	58	36	11	10	8	6	6	8	9	14	16	25	67	86	55	41	12	63	48	34	54	24	32	86	6
10	99	91	71	79	67	69	58	83	46	61	33	16	43	15	10	9	11	8	11	7	21	11	18	22	40	99	7
11	68	42	40	71	61	41	81	82	92	93	73	27	19	12	15	14	14	30	66	31	90	28	53	22	49	93	12
12	10	20	9	11	13	34	31	11	13	18	16	20	18	13	16	24	26	25	54	84	85	53	82	82	32	85	9
13	69	83	71	65	87	38	61	52	83	65	92	23	9	11	11	17	10	83	38	19	29	33	71	65	49	92	9
14	59	82	59	50	54	77	82	80	78	59	86	62	76	62	53	64	46	57	48	55	52	69	71	27	63	86	27
15	58	37	7	7	7	16	39	6	9	13	26	16	16	24	11	19	24	37	24	9	27	17	24	18	20	58	6
16	9	17	21	25	19	19	16	22	17	25	21	45	11	12	14	53	48	6	16	37	81	22	29	39	26	81	6
17	55	56	62	57	69	78	85	78	91	75	66	50	49	56	34	15	49	25	39	30	43	62	56	54	56	91	15
18	19	10	17	40	41	58	77	90	85	86	73	21	14	15	14	16	14	13	11	83	62	87	60	78	45	90	10
19	27	80	53	86	52	14	71	56	19	31	65	9	15	13	10	9	20	9	10	13	10	11	12	12	29	86	9
20	24	11	21	35	10	49	19	25	13	44	25	54	25	36	11	13	10	16	9	10	13	13	11	10	21	54	9
21	10	10	10	9	11	13	11	14	14	14	Au	Au	Au	Au	Au	33	69	60	33	60	78	81	67	37	33	81	9
22	43	20	24	32	20	29	39	71	63	62	84	92	76	33	10	18	8	40	31	25	19	34	49	62	41	92	8
23	70	50	47	46	58	63	32	54	90	66	60	72	33	34	43	46	26	14	50	22	24	30	18	20	45	90	14
24	12	16	15	27	32	25	62	31	60	82	70	47	11	35	57	11	11	9	21	23	16	18	30	65	33	82	9
25	30	11	13	7	20	16	30	8	12	7	8	26	10	13	11	22	7	49	11	5	101	53	70	32	24	101	5
26	45	80	81	93	96	70	61	54	16	15	9	12	14	13	13	19	53	69	61	78	59	98	86	64	52	98	9
27	55	86	59	70	75	102	63	65	23	14	15	16	21	33	10	10	10	29	18	17	12	11	13	11	35	102	10
28	10	16	11	14	10	11	10	11	10	11	11	10	10	10	10	10	8	7	9	8	13	9	11	67	13	67	7
29	45	35	57	61	68	47	89	90	102	100	59	74	14	10	10	10	21	33	72	70	49	13	60	93	53	102	10
30	8	7	25	11	9	9	11	8	9	10	9	27	8	12	11	23	34	92	56	67	47	47	59	9	25	92	7
31	19	45	47	80	98	76	46	51	68	76	55	15	15	18	17	15	82	33	16	34	38	91	62	85	49	98	15
Avg	39	41	39	40	41	46	49	46	42	44	41	30	21	21	19	22	29	34	31	35	44	39	41	39	36	86	10
Max	99	91	90	93	98	102	98	90	102	100	96	92	76	62	67	86	82	92	83	84	101	98	86	93	63	102	27
Min	8	7	7	7	7	9	8	6	6	7	8	8	8	9	7	7	7	6	9	5	8	8	8	9	13	51	5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
October 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	5.8	4.8	5.2	4.9	4.7	5.2	6.1	7.7	9.0	12.3	13.0	15.6	17.2	17.7	14.5	8.3	8.1	7.8	7.9	7.1	5.9	5.7	5.7	5.1	8.6	17.7	4.7
2	4.4	2.5	1.5	0.5	0.0	-0.5	-0.4	0.9	6.2	9.3	10.4	11.3	11.1	11.6	10.9	10.4	11.0	10.6	10.1	9.1	8.4	8.2	7.6	7.0	6.8	11.6	-0.5
3	6.7	6.5	6.3	6.1	5.5	5.7	5.6	5.5	5.6	5.6	6.2	6.8	6.4	6.3	5.9	4.9	4.0	3.3	2.8	2.5	2.0	2.1	1.8	1.8	4.8	6.8	1.8
4	1.7	1.7	1.4	1.6	1.2	0.6	0.4	0.2	0.1	0.2	0.5	1.0	1.6	2.0	2.6	3.0	3.2	2.6	1.7	0.3	0.0	0.2	0.4	0.6	1.2	3.2	0.0
5	1.0	1.1	0.6	0.2	0.1	0.1	-0.2	-0.6	-0.5	-0.4	-0.5	-0.2	0.1	0.2	0.4	0.6	0.7	0.4	0.0	-0.1	-0.2	-0.3	-0.5	-0.5	0.1	1.1	-0.6
6	-0.5	-0.4	-0.2	-0.1	0.1	0.3	0.5	0.9	1.3	2.1	3.1	3.6	4.0	4.6	5.0	5.1	4.7	4.0	2.9	1.5	0.0	-0.4	-1.3	-1.2	1.7	5.1	-1.3
7	-0.8	-0.9	-1.7	-2.2	-2.3	-2.1	-2.4	-1.8	2.7	5.0	6.0	6.8	7.1	7.0	7.2	8.0	8.2	8.0	7.8	7.4	6.5	6.3	5.9	5.8	3.8	8.2	-2.4
8	5.9	5.8	6.0	5.8	5.7	5.4	5.3	5.4	5.9	7.6	9.9	11.1	12.6	13.6	14.0	14.8	15.0	14.1	11.5	10.1	10.6	9.5	8.3	8.2	9.3	15.0	5.3
9	8.8	8.0	9.6	9.0	10.0	10.0	10.1	11.1	12.3	14.2	15.9	15.9	15.5	16.2	16.2	15.6	15.1	13.9	11.9	10.5	8.8	8.3	8.0	6.1	11.7	16.2	6.1
10	5.4	6.5	5.9	5.0	4.5	4.0	3.7	3.4	1.5	2.9	1.4	2.4	1.6	2.4	2.2	0.6	-2.4	-2.4	-2.3	-2.9	-3.6	-3.9	-4.0	-4.5	1.1	6.5	-4.5
11	-5.0	-4.9	-5.0	-5.2	-5.5	-5.8	-6.0	-6.1	-5.8	-5.2	-4.6	-4.6	-4.6	-4.5	-4.0	-4.0	-4.7	-6.3	-7.7	-9.7	-10.7	-11.5	-12.6	-13.4	-6.6	-4.0	-13.4
12	-14.0	-14.0	-14.7	-15.1	-15.1	-15.7	-15.8	-15.5	-12.0	-7.6	-3.8	0.3	3.0	4.2	5.4	6.4	6.6	1.7	-0.7	-2.2	-2.9	-4.6	-4.9	-6.2	-5.7	6.6	-15.8
13	-6.4	-6.1	-6.1	-6.9	-7.1	-6.4	-5.9	-5.1	-2.4	1.4	6.5	8.7	10.0	11.8	13.3	13.0	12.9	11.8	11.1	10.0	11.0	11.5	12.0	12.3	4.4	13.3	-7.1
14	12.2	12.1	11.8	11.7	12.5	13.0	13.6	13.5	13.3	13.8	13.0	13.8	10.5	6.1	6.0	6.2	6.2	6.2	4.9	3.8	2.6	1.6	2.3	3.5	8.9	13.8	1.6
15	2.1	0.2	1.6	0.9	0.3	0.4	-0.2	0.8	4.7	7.0	8.1	8.6	9.1	10.1	10.7	10.9	10.4	9.3	8.6	8.8	8.4	8.2	9.7	9.4	6.2	10.9	-0.2
16	9.2	9.9	8.8	6.6	5.4	4.9	5.8	5.9	4.1	3.5	3.9	5.8	5.8	7.2	7.3	7.7	7.6	4.7	1.4	0.1	-0.7	-1.6	-1.8	-2.2	4.6	9.9	-2.2
17	-2.1	-1.6	-1.1	0.4	0.6	1.1	0.6	0.7	1.5	2.5	2.3	3.2	4.2	4.1	4.2	4.7	4.4	1.9	1.0	1.4	1.1	0.9	1.2	2.7	1.7	4.7	-2.1
18	2.1	2.4	2.1	2.7	2.7	2.5	1.7	0.7	2.9	3.7	4.6	5.2	5.6	6.1	6.4	6.8	6.2	5.2	2.7	0.9	1.3	1.2	1.1	1.2	3.3	6.8	0.7
19	0.9	0.9	0.9	0.8	1.3	1.4	1.1	1.0	1.1	1.9	2.6	3.2	3.9	4.7	4.5	4.2	4.1	3.8	2.5	0.0	-1.9	-3.1	-4.1	-5.2	1.3	4.7	-5.2
20	-5.6	-6.1	-6.3	-5.9	-5.9	-4.9	-4.6	-3.9	0.7	4.5	6.1	7.6	9.1	8.7	8.9	9.0	9.4	8.8	8.1	7.2	6.5	5.1	7.4	8.5	3.0	9.4	-6.3
21	8.6	7.7	6.9	6.4	6.1	5.8	4.0	3.5	5.6	7.1	8.0	8.7	9.1	9.8	10.3	10.9	10.9	8.6	6.0	5.1	5.3	4.5	4.1	3.7	6.9	10.9	3.5
22	3.3	3.0	2.7	2.3	4.0	7.1	6.8	5.2	2.0	2.8	4.8	6.0	7.3	7.6	7.8	7.5	7.2	5.0	2.1	0.9	0.9	0.3	-0.5	-0.4	4.0	7.8	-0.5
23	1.5	1.8	2.8	3.1	3.4	3.7	4.0	3.7	5.0	7.4	9.0	10.3	11.4	12.2	12.4	12.4	11.3	9.2	8.0	6.6	3.8	3.2	1.6	1.4	6.2	12.4	1.4
24	1.3	1.0	0.9	0.7	0.4	-0.3	-0.3	-0.4	0.8	4.8	11.6	14.4	14.6	14.1	13.8	13.3	12.4	10.6	6.7	4.8	5.2	5.8	6.1	6.2	6.2	14.6	-0.4
25	5.8	5.8	5.0	5.0	5.0	4.0	2.9	2.0	3.3	6.8	10.4	11.8	12.3	12.4	12.5	12.3	11.4	9.0	6.8	4.4	3.7	3.3	1.9	1.2	6.6	12.5	1.2
26	0.6	0.4	0.7	1.4	2.0	2.6	3.2	3.7	4.6	6.0	8.8	10.5	11.7	13.2	13.3	13.4	12.4	9.7	9.3	10.0	10.2	10.4	9.5	6.0	7.2	13.4	0.4
27	5.7	6.3	4.8	3.9	3.1	3.4	3.1	2.6	3.8	11.1	14.6	15.7	16.0	16.1	16.2	15.8	15.3	15.0	14.5	14.0	13.6	13.7	13.8	12.7	10.6	16.2	2.6
28	11.3	12.1	11.7	10.1	9.2	8.0	7.0	6.4	6.5	7.1	7.0	7.4	7.9	8.4	8.6	8.4	7.3	5.4	3.7	3.1	2.8	3.1	3.2	2.8	7.0	12.1	2.8
29	3.2	3.9	3.7	3.7	3.1	2.7	2.3	2.4	2.9	3.7	4.9	4.2	5.1	5.2	5.7	6.2	5.8	4.6	3.7	3.3	2.1	1.0	0.4	-0.5	3.5	6.2	-0.5
30	-0.3	-0.5	-0.3	-0.1	0.3	0.1	1.2	0.9	2.4	5.1	8.5	12.8	13.4	13.7	13.6	13.5	12.4	10.5	11.0	9.3	7.3	6.5	5.7	4.1	6.3	13.7	-0.5
31	4.0	3.9	4.3	6.6	4.5	4.6	3.6	3.7	4.3	4.7	5.0	5.2	5.6	5.9	6.0	5.8	5.7	5.5	5.3	4.9	4.4	5.1	5.0	5.1	4.9	6.6	3.6
Avg	2.5	2.4	2.3	2.1	1.9	2.0	1.8	1.9	3.0	4.9	6.4	7.5	8.0	8.3	8.4	8.2	7.8	6.5	5.3	4.3	3.6	3.2	3.0	2.6	4.5	9.5	-0.9
Max	12.2	12.1	11.8	11.7	12.5	13.0	13.6	13.5	13.3	14.2	15.9	15.9	17.2	17.7	16.2	15.8	15.3	15.0	14.5	14.0	13.6	13.7	13.8	12.7	11.7	17.7	6.1
Min	-14.0	-14.0	-14.7	-15.1	-15.1	-15.7	-15.8	-15.5	-12.0	-7.6	-4.6	-4.6	-4.6	-4.5	-4.0	-4.0	-4.7	-6.3	-7.7	-9.7	-10.7	-11.5	-12.6	-13.4	-6.6	-4.0	-15.8

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
November 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	4.8	3.9	3.4	2.7	1.4	-0.3	-2.3	-2.6	-1.7	0.9	4.5	5.2	6.2	6.8	6.8	6.9	5.5	2.9	1.4	0.2	-1.4	-0.3	0.8	3.7	2.5	6.9	-2.6
2	2.3	2.3	0.5	-0.5	-1.0	-2.2	-3.1	-3.4	-1.4	3.6	6.3	7.1	7.1	7.3	8.3	7.4	6.6	4.4	2.3	1.1	1.4	1.2	0.2	-0.3	2.4	8.3	-3.4
3	-1.0	-1.7	-1.1	-1.4	-1.0	-1.9	-2.5	-2.8	-1.3	0.9	5.8	10.7	11.4	11.7	12.7	13.0	10.5	5.0	3.2	2.0	0.8	-1.2	-1.5	-2.2	2.8	13.0	-2.8
4	-2.5	-2.9	-2.5	-2.9	-3.6	-3.8	-4.0	-3.2	-3.1	1.1	6.9	12.9	14.1	14.8	14.3	14.4	11.4	6.4	2.7	1.8	0.0	-1.6	-2.5	-3.8	2.7	14.8	-4.0
5	-3.6	-3.5	-4.1	-4.1	-4.1	-4.2	-4.6	-3.7	-1.1	4.8	11.2	13.9	15.1	16.0	16.3	15.8	12.1	7.0	4.5	2.2	1.1	-0.1	-1.1	-1.0	3.5	16.3	-4.6
6	-0.9	-1.5	-2.5	-2.9	-2.6	-2.4	-1.5	-0.5	-0.1	3.6	10.6	12.1	12.4	11.3	10.8	10.1	9.1	7.8	6.7	5.6	3.8	2.2	-0.4	-2.2	3.7	12.4	-2.9
7	-3.9	-4.4	-4.4	-5.7	-5.7	-5.9	-6.3	-5.8	-4.5	-0.6	5.1	8.2	9.3	9.8	10.3	10.0	8.7	4.4	2.1	0.8	-0.3	-1.1	-2.0	-2.2	0.7	10.3	-6.3
8	-2.7	-2.3	-2.6	-3.1	-2.6	-1.6	-1.7	-1.9	-0.9	2.4	5.7	11.5	14.5	15.7	16.0	15.7	13.2	8.8	5.2	3.6	2.7	0.7	0.6	0.4	4.1	16.0	-3.1
9	-0.2	-0.2	-0.7	-1.4	-1.6	-1.5	-1.7	-1.7	-0.2	3.4	9.7	13.9	15.8	16.1	16.2	15.8	14.1	8.7	5.3	3.5	1.7	0.8	-0.1	-0.7	4.8	16.2	-1.7
10	-1.7	-1.3	-1.7	-2.0	-3.1	-3.0	-3.7	-3.4	-2.2	1.8	6.7	12.0	12.8	12.9	12.8	12.0	10.1	8.3	6.8	6.6	5.8	5.0	4.2	2.7	4.1	12.9	-3.7
11	0.4	-1.5	-2.5	-3.3	-3.6	-3.2	-3.3	-3.1	-1.5	3.3	9.5	13.1	14.4	15.4	15.8	15.6	13.0	6.9	5.0	3.4	2.0	0.4	-0.3	-1.0	4.0	15.8	-3.6
12	-1.5	-1.9	-2.7	-2.7	-3.0	-2.9	-2.7	-2.9	-2.4	1.9	9.6	14.0	14.5	14.4	14.4	12.8	11.4	10.2	8.7	7.1	4.5	7.2	7.7	7.1	5.1	14.5	-3.0
13	6.8	6.5	6.1	5.6	5.3	4.3	4.6	3.9	4.1	5.8	6.7	7.7	8.4	8.9	9.0	9.2	8.0	6.5	3.4	2.9	3.4	3.4	5.0	7.4	6.0	9.2	2.9
14	7.4	7.0	6.0	4.6	3.9	4.3	2.7	0.7	0.6	3.7	10.9	10.8	12.0	11.9	11.7	11.6	10.3	9.6	9.4	8.6	7.8	7.0	6.7	6.6	7.3	12.0	0.6
15	6.6	6.0	5.4	4.7	4.2	3.5	3.9	5.0	5.6	6.4	8.0	8.6	8.9	7.8	7.7	7.7	6.7	6.7	5.6	5.0	5.1	4.6	1.9	1.7	5.7	8.9	1.7
16	1.0	0.3	0.0	0.2	-0.3	-1.6	-2.8	-3.1	-2.2	-0.5	0.9	0.4	0.8	1.5	1.3	1.0	0.1	-0.5	-1.3	-2.0	-2.7	-3.6	-3.9	-3.8	-0.9	1.5	-3.9
17	-3.6	-3.9	-4.3	-4.3	-4.5	-4.9	-4.6	-4.1	-3.7	-3.1	-2.8	-2.9	-3.6	-3.6	-2.2	-2.3	-4.0	-5.1	-7.9	-9.3	-9.8	-9.1	-9.0	-8.5	-5.0	-2.2	-9.8
18	-8.0	-8.0	-9.7	-10.9	-12.9	-13.3	-14.5	-14.5	-14.8	-11.7	-6.7	-2.9	-1.6	-0.8	-0.3	-0.8	-2.2	-3.2	-4.6	-4.3	-4.4	-3.7	-3.4	-2.9	-6.7	-0.3	-14.8
19	-2.7	-2.6	-2.4	-2.4	-2.3	-2.5	-3.7	-4.8	-5.1	-2.7	2.0	4.7	6.0	6.1	6.1	5.9	6.5	6.2	6.0	5.6	5.1	3.6	2.9	1.9	1.6	6.5	-5.1
20	0.6	0.2	-0.1	-1.0	-1.1	-1.0	-0.2	0.4	0.7	1.4	3.5	7.4	8.8	9.0	9.0	8.4	7.7	6.7	4.3	2.3	0.6	0.2	-0.5	-0.7	2.8	9.0	-1.1
21	-1.3	-0.3	-0.6	-0.2	-0.5	0.8	1.8	1.7	0.7	2.0	2.7	3.2	3.8	4.2	4.1	3.9	2.9	1.2	0.0	-1.9	-3.2	-4.0	-5.6	-6.6	0.4	4.2	-6.6
22	-7.3	-7.8	-8.1	-8.8	-8.9	-9.0	-9.1	-9.8	-8.9	-5.9	-0.9	1.2	2.3	2.7	2.5	2.5	1.1	-2.3	-3.5	-5.5	-6.0	-7.0	-7.2	-8.1	-4.7	2.7	-9.8
23	-8.5	-7.5	-5.0	-3.7	-2.6	-1.7	-1.5	-1.0	-1.0	0.0	1.0	1.4	0.1	0.4	1.2	1.0	0.1	-0.4	-1.3	-1.7	-0.9	-1.7	-1.7	-1.7	-1.5	1.4	-8.5
24	-1.9	-1.9	-2.3	-2.9	-2.5	-2.7	-4.6	-3.2	-2.9	-1.9	-0.6	0.0	0.5	1.2	1.5	1.2	-0.1	-1.9	-2.6	-1.8	-1.1	-0.7	-0.5	-0.5	-1.3	1.5	-4.6
25	-1.0	-1.4	-1.1	-0.4	-0.7	-0.3	-1.0	-1.1	-0.2	2.3	4.0	4.6	4.8	5.2	5.4	5.1	4.6	3.6	0.9	0.4	-1.0	-1.8	-2.1	-2.9	1.1	5.4	-2.9
26	-2.2	-2.5	-0.4	-0.1	-0.6	-1.5	-3.4	-2.9	-0.2	4.1	5.9	6.7	7.5	8.1	8.0	7.1	6.4	4.1	-0.1	-0.5	-1.6	-2.6	-2.9	-3.5	1.4	8.1	-3.5
27	-4.3	-4.3	-4.0	-4.2	-5.3	-6.2	-6.1	-5.6	-5.7	-2.2	1.7	3.2	4.1	4.3	4.5	3.9	3.0	1.6	0.7	-0.2	-1.2	-1.3	-2.7	-4.2	-1.3	4.5	-6.2
28	-3.3	-3.8	-4.1	-4.4	-5.8	-6.9	-8.0	-7.7	-7.0	-3.5	-1.9	-1.2	-1.3	-2.0	-2.0	-2.6	-3.0	-3.3	-3.7	-3.7	-3.7	-4.2	-4.7	-5.2	-4.0	-1.2	-8.0
29	-5.7	-5.8	-5.7	-5.6	-5.2	-5.3	-5.4	-5.4	-5.3	-5.2	-4.6	-4.0	-3.8	-3.6	-4.4	-4.3	-6.0	-8.0	-11.6	-13.9	-14.4	-15.8	-15.9	-17.2	-7.6	-3.6	-17.2
30	-18.6	-18.9	-19.3	-19.8	-20.6	-20.2	-20.4	-20.5	-20.3	-18.2	-13.8	-9.3	-5.3	-3.4	-3.6	-4.5	-4.8	-5.0	-5.0	-4.9	-5.1	-5.5	-6.1	-7.2	-11.7	-3.4	-20.6
Avg	-1.9	-2.1	-2.4	-2.7	-3.0	-3.2	-3.7	-3.6	-2.9	-0.1	3.6	5.8	6.7	7.0	7.1	6.8	5.4	3.2	1.4	0.4	-0.4	-1.0	-1.5	-1.8	0.7	7.4	-5.3
Max	7.4	7.0	6.1	5.6	5.3	4.3	4.6	5.0	5.6	6.4	11.2	14.0	15.8	16.1	16.3	15.8	14.1	10.2	9.4	8.6	7.8	7.2	7.7	7.4	7.3	16.3	2.9
Min	-18.6	-18.9	-19.3	-19.8	-20.6	-20.2	-20.4	-20.5	-20.3	-18.2	-13.8	-9.3	-5.3	-3.6	-4.4	-4.5	-6.0	-8.0	-11.6	-13.9	-14.4	-15.8	-15.9	-17.2	-11.7	-3.6	-20.6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
December 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-7.9	-7.7	-8.3	-8.8	-9.4	-9.9	-8.8	-8.3	-7.8	-6.6	-4.5	-3.1	-2.9	-2.8	-2.8	-2.8	-3.4	-3.8	-4.2	-4.1	-4.7	-4.7	-4.5	-4.6	-5.7	-2.8	-9.9
2	-4.4	-4.6	-4.6	-4.7	-4.9	-5.4	-5.8	-5.4	-5.3	-5.0	-4.7	-4.0	-3.9	-3.8	-4.1	-4.4	-5.3	-9.1	-11.6	-11.8	-9.4	-6.2	-5.4	-5.1	-5.8	-3.8	-11.8
3	-4.7	-4.4	-4.4	-4.2	-4.9	-4.6	-3.8	-2.8	-2.4	-1.7	-1.3	-1.0	-0.7	-0.7	-0.8	-1.3	-1.7	-2.7	-2.7	-2.7	-3.3	-2.9	-2.9	-3.4	-2.8	-0.7	-4.9
4	-3.6	-3.8	-4.0	-3.6	-3.5	-3.7	-3.5	-3.2	-4.0	-3.5	-2.3	-1.8	-0.8	-0.1	-0.6	-1.3	-2.2	-2.4	-2.5	-4.1	-5.4	-6.1	-6.8	-7.9	-3.4	-0.1	-7.9
5	-9.2	-10.5	-12.2	-12.1	-11.6	-13.0	-13.1	-13.4	-14.1	-13.2	-12.5	-11.9	-12.3	-12.3	-12.3	-12.8	-14.1	-15.9	-17.2	-18.2	-19.1	-19.5	-21.6	-23.6	-14.4	-9.2	-23.6
6	-24.4	-24.5	-24.6	-22.9	-22.0	-21.4	-21.2	-20.8	-20.2	-19.4	-18.7	-18.0	-18.1	-18.5	-18.7	-19.1	-19.1	-19.1	-19.2	-19.1	-19.4	-19.9	-20.7	-21.4	-20.4	-18.0	-24.6
7	-21.8	-21.9	-22.1	-22.5	-22.8	-23.1	-23.1	-23.0	-23.0	-22.6	-21.7	-20.6	-19.8	-19.6	-19.0	-18.8	-20.3	-21.3	-20.7	-20.4	-20.1	-19.9	-19.8	-19.9	-21.2	-18.8	-23.1
8	-19.8	-19.7	-19.6	-19.6	-19.7	-20.0	-19.9	-19.7	-19.9	-19.7	-17.0	-15.0	-13.9	-13.6	-14.0	-14.7	-17.3	-19.0	-19.2	-19.6	-20.0	-20.5	-18.8	-18.2	-18.3	-13.6	-20.5
9	-19.1	-18.0	-18.9	-18.4	-18.2	-17.9	-17.7	-17.6	-17.6	-17.1	-16.3	-15.2	-13.4	-12.0	-12.2	-12.4	-13.1	-12.8	-13.6	-13.7	-13.2	-12.7	-12.5	-12.1	-15.2	-12.0	-19.1
10	-12.0	-11.7	-11.2	-10.9	-9.8	-9.0	-7.9	-7.6	-7.8	-5.9	-4.0	-2.2	-1.8	-2.3	-2.4	-3.1	-4.0	-4.9	-5.4	-5.7	-6.4	-6.6	-6.9	-7.2	-6.5	-1.8	-12.0
11	-8.0	-10.1	-10.9	-10.9	-10.8	-11.0	-11.1	-11.9	-11.6	-10.2	-7.8	-4.1	-3.6	-3.4	-3.4	-3.1	-4.2	-5.6	-6.4	-6.8	-7.0	-6.1	-5.7	-5.0	-7.4	-3.1	-11.9
12	-5.9	-7.2	-7.9	-8.2	-8.4	-9.4	-14.7	-16.8	-17.2	-17.3	-18.1	-17.6	-16.7	-15.9	-15.6	-15.8	-16.4	-17.1	-18.3	-21.1	-22.8	-23.9	-25.2	-26.0	-16.0	-5.9	-26.0
13	-25.6	-25.8	-25.8	-26.6	-24.7	-22.7	-21.4	-20.8	-21.1	-19.6	-16.4	-9.7	-7.8	-7.7	-8.5	-9.5	-10.5	-13.2	-15.5	-17.6	-19.9	-21.1	-21.9	-21.7	-18.1	-7.7	-26.6
14	-23.9	-24.7	-25.1	-26.3	-26.5	-27.0	-27.7	-27.7	-27.3	-26.2	-23.3	-20.8	-17.6	-13.6	-12.9	-11.8	-12.0	-13.5	-14.4	-13.3	-13.3	-12.7	-12.6	-11.0	-19.4	-11.0	-27.7
15	-10.3	-10.6	-11.1	-11.6	-11.9	-11.5	-12.0	-12.6	-12.7	-12.6	-12.5	-12.3	-13.2	-14.8	-16.1	-16.4	-16.5	-16.6	-16.8	-17.4	-18.0	-18.6	-19.1	-19.6	-14.4	-10.3	-19.6
16	-20.2	-20.5	-21.1	-21.3	-21.6	-21.8	-22.2	-22.5	-22.4	-21.8	-21.5	-21.1	-20.5	-20.9	-21.1	-21.6	-22.5	-23.4	-23.7	-25.7	-27.7	-29.2	-32.0	-33.6	-23.3	-20.2	-33.6
17	-35.0	-35.3	-36.2	-36.4	-36.9	-36.4	-37.3	-37.0	-37.4	-36.0	-33.4	-29.9	-23.7	-20.1	-19.0	-18.9	-20.3	-24.7	-26.7	-26.1	-27.3	-28.0	-27.0	-22.6	-29.7	-18.9	-37.4
18	-19.2	-17.5	-17.8	-18.6	-18.4	-19.2	-22.2	-22.9	-22.3	-19.3	-14.1	-11.6	-11.0	-10.7	-10.1	-9.9	-9.8	-10.1	-10.0	-10.2	-10.1	-10.5	-10.9	-12.3	-14.5	-9.8	-22.9
19	-12.9	-13.4	-13.4	-14.3	-12.0	-9.2	-9.3	-7.0	-7.2	-7.1	-5.4	-3.9	-3.7	-3.3	-3.1	-2.5	-2.2	-1.8	-1.7	-2.0	-2.4	-2.2	-2.1	-1.6	-6.0	-1.6	-14.3
20	-1.6	-1.9	-2.1	-2.5	-3.2	-3.5	-3.9	-3.5	-2.3	-1.6	-1.2	0.4	1.0	1.7	1.8	2.4	2.5	0.3	-1.1	-3.2	-3.8	-4.2	-4.1	-3.9	-1.6	2.5	-4.2
21	-4.1	-4.2	-4.5	-4.8	-4.8	-5.1	-5.3	-5.2	-5.2	-5.1	Au	Au	Au	Au	Au	-3.4	-4.1	-7.4	-11.2	-13.3	-15.8	-16.7	-18.3	-17.6	-8.2	-3.4	-18.3
22	-15.4	-14.7	-14.3	-15.2	-16.4	-17.1	-17.8	-18.4	-17.8	-17.5	-14.7	-11.9	-8.3	-3.4	0.0	0.2	-2.2	-4.7	-6.3	-8.8	-10.5	-11.8	-12.5	-14.2	-11.4	0.2	-18.4
23	-15.7	-16.2	-16.2	-16.8	-17.4	-17.5	-16.9	-17.9	-18.1	-17.2	-14.3	-10.4	-3.0	-2.2	-2.4	-2.3	-2.2	-1.6	-2.6	-2.3	-3.2	-2.5	-2.0	-2.2	-9.3	-1.6	-18.1
24	-1.8	-1.7	-1.8	-2.4	-4.0	-5.4	-7.7	-9.3	-9.9	-9.6	-8.4	-3.4	-3.0	-2.1	-3.8	-6.3	-7.8	-9.3	-9.8	-10.1	-10.4	-10.7	-10.6	-10.3	-6.6	-1.7	-10.7
25	-10.6	-11.6	-11.3	-12.7	-13.9	-14.7	-14.7	-14.8	-16.2	-15.9	-16.0	-16.6	-16.5	-16.3	-16.6	-16.8	-16.7	-16.2	-16.1	-15.5	-14.9	-14.5	-15.0	-16.4	-15.0	-10.6	-16.8
26	-17.3	-18.5	-18.8	-17.2	-15.5	-13.2	-11.8	-9.4	-8.8	-8.5	-8.8	-8.3	-7.7	-7.6	-7.3	-7.5	-8.2	-12.7	-14.6	-16.2	-18.0	-18.7	-19.9	-19.9	-13.1	-7.3	-19.9
27	-20.1	-18.9	-16.0	-14.2	-12.5	-9.6	-7.7	-5.3	-5.5	-5.5	-4.7	-4.4	-4.6	-5.1	-4.6	-5.3	-5.4	-5.7	-5.1	-5.1	-5.0	-5.3	-5.7	-5.6	-7.8	-4.4	-20.1
28	-5.9	-5.9	-6.3	-6.7	-6.8	-6.8	-6.8	-6.8	-6.7	-6.4	-6.0	-5.6	-5.1	-5.0	-4.8	-5.2	-5.5	-6.6	-7.0	-6.5	-6.9	-7.4	-7.5	-9.0	-6.4	-4.8	-9.0
29	-11.6	-15.1	-17.5	-18.6	-17.5	-16.2	-15.3	-14.1	-12.8	-11.5	-9.0	-4.6	-3.2	-2.9	-2.4	-1.7	-1.8	-3.8	-4.9	-5.5	-1.0	1.0	0.4	-0.2	-7.9	1.0	-18.6
30	1.5	1.2	0.2	-0.1	1.9	2.3	1.2	0.0	-0.9	-1.5	-1.8	-3.1	-4.8	-5.0	-4.4	-4.7	-5.6	-7.1	-7.3	-7.8	-9.6	-11.1	-12.7	-8.6	-3.7	2.3	-12.7
31	-8.1	-8.4	-9.0	-8.7	-8.6	-9.3	-8.7	-8.8	-8.8	-8.3	-7.3	-6.5	-6.0	-5.5	-5.1	-5.2	-6.0	-9.5	-11.9	-13.3	-14.7	-16.6	-17.8	-18.9	-9.6	-5.1	-18.9
Avg	-12.9	-13.2	-13.4	-13.6	-13.4	-13.3	-13.5	-13.4	-13.4	-12.7	-11.6	-9.9	-8.9	-8.3	-8.2	-8.3	-9.0	-10.4	-11.2	-11.8	-12.4	-12.6	-13.0	-13.0	-11.7	-6.5	-18.2
Max	1.5	1.2	0.2	-0.1	1.9	2.3	1.2	0.0	-0.9	-1.5	-1.2	0.4	1.0	1.7	1.8	2.4	2.5	0.3	-1.1	-2.0	-1.0	1.0	0.4	-0.2	-1.6	2.5	-4.2
Min	-35.0	-35.3	-36.2	-36.4	-36.9	-36.4	-37.3	-37.0	-37.4	-36.0	-33.4	-29.9	-23.7	-20.9	-21.1	-21.6	-22.5	-24.7	-26.7	-26.1	-27.7	-29.2	-32.0	-33.6	-29.7	-20.2	-37.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
October 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	3.7	3.1	3.6	3.6	3.2	4.1	5.0	7.3	8.9	12.3	13.3	16.1	18.0	18.4	14.6	8.2	7.8	7.6	7.6	6.4	4.8	5.3	5.5	4.8	8.1	18.4	3.1
2	3.9	2.0	1.5	0.6	-0.1	-0.7	-0.5	0.9	6.5	10.0	11.0	11.9	11.4	12.0	11.1	10.6	11.0	10.5	9.7	8.9	8.1	8.0	7.3	6.8	6.8	12.0	-0.7
3	6.3	6.5	6.4	6.2	5.6	5.7	5.6	5.5	5.6	5.8	6.6	7.3	7.0	6.6	6.1	5.1	4.1	3.4	2.8	2.5	2.0	2.1	1.8	1.8	4.9	7.3	1.8
4	1.6	1.6	1.4	1.5	1.1	0.6	0.4	0.2	0.2	0.4	0.8	1.7	2.2	2.7	3.4	3.8	3.9	2.5	1.3	0.0	0.0	0.3	0.5	0.6	1.4	3.9	0.0
5	1.0	1.1	0.7	0.3	0.2	0.1	-0.2	-0.5	-0.2	0.0	0.1	0.6	1.1	1.0	1.1	1.3	1.1	0.5	0.1	0.0	-0.1	-0.2	-0.3	-0.3	0.4	1.3	-0.5
6	-0.3	-0.2	-0.1	0.0	0.2	0.4	0.7	1.0	1.6	2.7	3.8	4.3	4.7	5.5	5.7	5.7	4.9	3.9	2.8	1.1	-0.3	-0.8	-1.7	-1.3	1.8	5.7	-1.7
7	-0.9	-1.3	-2.7	-3.2	-2.7	-2.5	-3.5	-2.3	2.9	5.5	6.7	7.4	7.3	7.1	7.2	8.0	8.1	7.8	7.5	7.1	6.3	6.0	5.7	5.7	3.6	8.1	-3.5
8	5.8	5.6	5.7	5.6	5.5	5.3	5.2	5.4	6.1	7.8	10.4	11.6	13.0	14.1	14.4	15.0	15.1	13.4	10.2	9.0	10.1	8.6	7.6	6.7	9.0	15.1	5.2
9	7.0	6.2	8.1	7.3	9.0	9.2	9.3	10.7	12.3	14.6	16.5	16.2	15.7	16.7	16.7	15.7	14.8	13.0	11.0	9.3	8.1	7.7	7.7	5.8	11.2	16.7	5.8
10	5.1	6.4	5.8	5.0	4.5	4.0	3.7	3.5	1.9	3.4	1.9	3.6	2.5	3.6	3.2	1.4	-1.9	-2.1	-2.1	-2.8	-3.4	-3.8	-3.9	-4.4	1.5	6.4	-4.4
11	-4.9	-4.9	-5.0	-5.2	-5.5	-5.7	-5.9	-6.2	-5.6	-5.0	-4.2	-4.1	-4.2	-4.0	-3.5	-3.6	-4.7	-7.0	-8.5	-11.0	-11.9	-13.2	-14.4	-15.0	-6.8	-3.5	-15.0
12	-15.6	-15.8	-16.6	-16.3	-16.8	-17.2	-17.3	-16.0	-11.9	-7.4	-3.5	1.0	3.4	4.7	5.8	6.8	7.0	1.5	-0.7	-2.7	-3.4	-5.8	-5.9	-7.3	-6.3	7.0	-17.3
13	-7.7	-7.3	-7.9	-8.3	-8.3	-7.9	-7.2	-5.8	-2.2	1.7	6.5	8.7	10.3	12.0	13.8	13.2	12.9	11.0	9.7	9.3	10.1	10.7	11.5	12.0	3.8	13.8	-8.3
14	12.0	11.7	11.4	11.1	12.1	12.6	13.3	13.2	13.0	13.6	13.0	13.7	10.4	6.1	6.1	6.2	6.1	5.8	4.4	3.2	1.9	0.6	0.7	2.3	8.5	13.7	0.6
15	1.4	-0.6	0.3	0.0	-0.4	-0.7	-1.1	-0.1	4.7	6.9	8.3	8.7	9.1	10.2	10.6	10.9	10.1	8.7	8.0	8.0	7.9	7.6	9.2	8.9	5.7	10.9	-1.1
16	8.7	9.6	8.6	6.3	5.1	4.4	5.3	5.7	4.2	3.6	4.1	6.3	6.2	7.8	7.8	8.1	7.5	3.9	0.9	-0.2	-1.0	-2.2	-2.4	-2.9	4.4	9.6	-2.9
17	-2.5	-1.8	-1.3	0.0	0.2	0.6	0.2	0.4	1.5	2.6	2.5	3.5	4.5	4.3	4.3	4.9	4.4	1.6	0.4	0.8	0.7	0.6	0.9	2.0	1.5	4.9	-2.5
18	1.8	1.9	1.6	2.3	2.3	2.1	0.9	0.3	2.9	3.8	5.0	5.9	6.3	6.7	6.8	6.9	5.9	4.6	1.7	0.4	1.2	1.2	1.1	1.2	3.1	6.9	0.3
19	0.6	0.6	0.9	0.6	1.1	1.3	1.0	1.0	1.2	2.2	3.1	4.0	4.4	5.4	5.1	4.7	4.3	3.7	1.9	-1.3	-2.8	-4.1	-5.4	-6.3	1.1	5.4	-6.3
20	-6.9	-7.2	-7.1	-6.7	-6.5	-6.2	-5.7	-4.4	0.8	5.0	6.8	8.4	9.8	9.1	9.3	9.1	9.2	8.4	7.4	6.8	6.0	3.8	5.6	8.0	2.6	9.8	-7.2
21	8.3	7.4	6.6	5.9	5.3	4.4	3.3	3.0	5.5	7.4	8.5	9.3	9.5	10.1	10.7	11.2	10.8	8.3	5.2	4.8	4.2	3.9	2.9	2.5	6.6	11.2	2.5
22	1.8	2.1	1.8	1.5	3.2	6.3	6.1	5.0	2.1	3.0	5.3	6.6	8.1	8.4	8.4	7.8	7.1	4.3	1.6	0.5	0.6	-0.3	-0.8	-1.1	3.7	8.4	-1.1
23	1.4	1.3	2.1	2.1	2.2	3.2	3.4	3.2	5.1	8.0	9.8	11.0	12.3	12.9	13.0	12.4	11.0	8.9	7.5	6.2	2.6	1.6	0.0	0.2	5.9	13.0	0.0
24	0.3	0.0	-0.4	-0.6	-1.1	-1.8	-1.7	-1.8	0.5	5.2	12.0	14.9	15.2	14.5	14.1	13.1	12.2	9.7	5.4	3.7	4.4	5.3	5.5	5.1	5.6	15.2	-1.8
25	4.3	4.3	3.8	4.3	4.5	2.7	2.2	1.6	3.4	7.2	10.8	12.5	13.1	12.9	13.2	12.7	10.9	8.0	6.0	3.8	3.1	3.0	1.1	0.2	6.2	13.2	0.2
26	-0.1	-0.3	0.1	0.7	1.5	2.1	2.9	3.5	4.7	6.2	8.8	10.6	12.0	13.6	13.5	13.2	11.7	8.7	8.4	8.7	8.6	8.4	6.6	5.0	6.6	13.6	-0.3
27	5.1	4.5	3.6	2.1	1.7	1.8	1.4	0.9	2.1	10.3	14.7	16.0	16.2	16.2	16.3	15.6	14.9	14.6	13.6	13.2	13.1	13.4	13.4	11.3	9.8	16.3	0.9
28	10.3	11.4	11.3	9.4	8.6	7.8	6.7	6.3	6.5	7.1	7.2	7.8	8.4	9.0	8.9	8.6	6.9	4.8	3.0	2.2	2.2	2.0	2.7	2.7	6.7	11.4	2.0
29	3.1	3.9	3.7	3.7	3.2	2.8	2.4	2.5	3.3	4.2	5.9	5.0	5.6	5.6	6.0	6.4	5.8	4.2	3.3	2.6	1.1	-0.1	-0.5	-1.6	3.4	6.4	-1.6
30	-1.9	-1.6	-1.1	-0.7	-0.8	-0.7	0.2	0.0	1.8	5.1	8.9	13.4	14.0	14.2	13.8	13.4	12.1	9.9	10.8	9.1	7.2	6.4	5.7	4.2	6.0	14.2	-1.9
31	4.1	4.0	4.2	6.2	4.0	4.3	3.5	3.5	4.1	4.6	5.0	5.2	5.6	5.8	5.9	5.8	5.6	5.2	5.1	4.6	3.9	4.8	4.6	4.8	4.8	6.2	3.5
Avg	1.8	1.7	1.6	1.5	1.4	1.4	1.3	1.5	3.0	5.1	6.8	8.0	8.5	8.8	8.8	8.5	7.8	6.1	4.7	3.7	3.1	2.6	2.3	2.0	4.2	9.8	-1.7
Max	12.0	11.7	11.4	11.1	12.1	12.6	13.3	13.2	13.0	14.6	16.5	16.2	18.0	18.4	16.7	15.7	15.1	14.6	13.6	13.2	13.1	13.4	13.4	12.0	11.2	18.4	5.8
Min	-15.6	-15.8	-16.6	-16.3	-16.8	-17.2	-17.3	-16.0	-11.9	-7.4	-4.2	-4.1	-4.2	-4.0	-3.5	-3.6	-4.7	-7.0	-8.5	-11.0	-11.9	-13.2	-14.4	-15.0	-6.8	-3.5	-17.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
November 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	4.5	3.5	2.7	2.0	-0.1	-1.5	-3.3	-3.3	-2.0	1.0	4.8	5.7	6.9	7.5	7.2	7.3	4.6	2.3	0.7	-0.2	-2.2	-1.0	0.1	2.7	2.1	7.5	-3.3
2	1.3	1.2	-1.4	-2.0	-2.3	-3.2	-4.0	-4.5	-1.4	3.9	6.8	7.7	7.6	7.7	8.9	7.3	6.1	3.6	2.0	0.5	1.0	0.3	-0.9	-1.6	1.9	8.9	-4.5
3	-2.5	-3.1	-1.6	-2.0	-1.9	-2.9	-3.4	-3.6	-1.7	1.0	6.0	11.2	11.7	12.1	13.1	13.3	10.1	4.7	2.7	1.2	0.0	-2.7	-3.2	-3.7	2.3	13.3	-3.7
4	-3.8	-4.9	-4.1	-4.9	-5.4	-5.7	-6.1	-5.4	-3.3	1.5	7.3	13.4	14.9	15.4	14.4	14.5	10.2	5.2	2.0	0.7	-0.6	-3.5	-4.3	-5.2	1.8	15.4	-6.1
5	-5.1	-5.4	-5.5	-5.5	-5.7	-5.7	-6.0	-5.3	-1.5	4.9	11.5	14.3	15.4	16.3	16.6	15.9	11.1	6.3	3.9	0.8	0.0	-1.6	-3.2	-2.3	2.7	16.6	-6.0
6	-2.0	-2.7	-4.6	-4.9	-4.3	-3.9	-2.7	-1.8	-1.0	3.7	10.8	12.6	12.8	11.3	10.6	10.0	8.7	7.2	5.8	4.5	2.4	0.4	-1.2	-2.9	2.9	12.8	-4.9
7	-4.5	-5.2	-5.8	-6.8	-7.0	-7.0	-7.5	-7.1	-4.6	-0.2	5.4	8.8	10.0	10.4	10.7	9.8	7.9	3.2	1.1	0.0	-1.0	-2.1	-3.1	-3.4	0.1	10.7	-7.5
8	-3.6	-3.4	-3.9	-3.8	-3.9	-2.9	-2.9	-3.4	-1.2	2.5	6.0	11.9	14.9	16.1	16.6	15.9	12.2	7.4	3.6	2.6	1.9	-0.8	-1.2	-1.1	3.3	16.6	-3.9
9	-1.4	-2.1	-2.2	-2.7	-3.2	-3.4	-3.2	-3.3	-0.7	3.8	10.0	14.3	16.3	16.6	16.6	15.9	13.3	7.3	4.4	2.2	0.6	-0.4	-1.2	-1.9	4.0	16.6	-3.4
10	-2.8	-3.0	-3.4	-4.0	-4.9	-4.7	-5.1	-5.1	-2.5	2.1	7.2	12.4	13.4	13.5	13.2	12.1	9.5	6.9	6.2	5.4	4.0	3.3	2.6	1.0	3.2	13.5	-5.1
11	-0.9	-2.9	-4.1	-5.0	-5.1	-4.8	-4.8	-4.7	-2.3	3.5	9.7	13.6	14.9	15.8	16.4	15.8	12.0	6.3	4.1	2.8	0.8	-1.0	-1.8	-2.7	3.1	16.4	-5.1
12	-2.9	-3.8	-4.1	-4.3	-4.5	-4.6	-4.0	-4.5	-2.7	2.0	9.7	14.5	15.2	15.0	14.7	12.7	10.9	8.4	6.7	4.7	2.2	6.0	7.4	6.8	4.2	15.2	-4.6
13	6.5	6.1	5.6	5.1	5.0	3.8	4.2	3.3	3.7	6.1	7.2	8.3	9.1	9.5	9.5	9.4	7.4	5.0	2.3	2.6	2.8	2.7	3.7	6.9	5.7	9.5	2.3
14	7.0	6.7	5.4	3.5	2.7	2.5	1.4	-0.1	0.3	3.4	11.3	10.9	12.5	12.2	11.8	11.7	10.0	9.4	9.3	8.5	7.7	6.8	6.3	6.4	7.0	12.5	-0.1
15	6.4	5.6	4.7	4.2	3.8	3.2	3.8	4.8	5.4	6.4	8.3	8.8	8.9	7.8	7.8	7.7	6.7	6.6	5.6	4.9	5.0	4.5	1.9	1.6	5.6	8.9	1.6
16	0.9	0.2	-0.2	-0.1	-0.9	-1.9	-3.1	-3.5	-2.0	-0.3	1.1	0.6	1.1	1.9	1.5	1.2	0.0	-1.1	-1.8	-2.4	-3.3	-4.0	-4.1	-3.9	-1.0	1.9	-4.1
17	-3.7	-4.3	-4.8	-4.5	-4.8	-5.2	-4.7	-4.2	-3.7	-2.9	-2.4	-2.5	-3.3	-3.4	-2.0	-2.1	-4.2	-6.1	-10.0	-11.3	-10.5	-9.6	-9.4	-8.8	-5.4	-2.0	-11.3
18	-8.1	-8.6	-11.9	-13.3	-14.6	-15.9	-16.7	-16.5	-15.4	-11.6	-6.5	-2.5	-1.4	-0.6	-0.1	-1.0	-2.7	-4.2	-5.2	-5.4	-5.1	-4.3	-3.6	-3.1	-7.4	-0.1	-16.7
19	-3.0	-3.0	-2.6	-2.5	-2.6	-3.3	-4.5	-6.1	-6.4	-2.7	2.0	5.0	6.2	6.2	5.9	5.4	6.1	5.7	5.6	5.2	4.1	2.8	1.9	1.4	1.1	6.2	-6.4
20	0.3	0.1	-0.5	-2.0	-2.0	-1.8	-0.8	-0.1	-0.1	1.1	3.4	7.4	8.8	9.0	8.9	7.9	6.4	5.8	3.4	2.0	0.2	-0.7	-1.0	-1.3	2.3	9.0	-2.0
21	-2.2	-1.1	-1.4	-1.2	-1.4	-0.4	0.9	0.8	0.2	1.9	3.0	3.6	4.3	4.7	4.3	3.9	2.5	0.2	-0.9	-2.8	-4.0	-4.5	-6.6	-7.7	-0.2	4.7	-7.7
22	-8.4	-8.8	-9.2	-9.7	-10.1	-10.0	-10.1	-10.8	-9.0	-5.5	-0.4	1.7	3.0	3.3	2.9	2.6	0.3	-3.1	-5.0	-7.2	-8.1	-8.5	-8.7	-9.3	-5.3	3.3	-10.8
23	-9.7	-8.9	-6.5	-5.5	-3.5	-2.3	-2.3	-1.6	-1.3	0.0	1.2	1.6	0.4	0.6	1.3	1.0	0.1	-0.7	-1.8	-2.0	-1.0	-1.7	-1.9	-1.9	-1.9	1.6	-9.7
24	-2.1	-2.2	-2.8	-3.6	-3.2	-3.2	-5.6	-3.6	-3.3	-1.8	-0.3	0.4	1.0	1.7	2.0	1.2	-1.1	-2.8	-3.8	-2.7	-2.2	-1.4	-0.9	-0.8	-1.7	2.0	-5.6
25	-1.4	-2.4	-1.8	-0.9	-1.5	-0.9	-1.6	-2.4	-1.8	2.2	4.3	4.9	4.9	5.2	5.4	5.0	4.0	2.6	-0.3	-0.4	-2.1	-3.5	-3.6	-4.7	0.4	5.4	-4.7
26	-2.8	-3.9	-1.1	-1.3	-1.7	-3.1	-4.8	-4.5	-1.6	4.1	6.3	7.3	8.1	8.6	8.0	6.8	5.8	3.5	-0.6	-0.8	-1.8	-4.1	-5.1	-4.3	0.7	8.6	-5.1
27	-5.4	-5.2	-5.2	-5.8	-6.5	-7.9	-7.9	-6.9	-6.1	-1.8	1.9	3.3	4.3	4.5	4.6	3.9	2.7	1.3	0.3	-0.6	-1.7	-2.0	-3.6	-6.1	-1.9	4.6	-7.9
28	-4.2	-4.3	-5.1	-5.0	-6.6	-7.9	-8.4	-7.9	-7.6	-3.5	-1.7	-0.8	-0.8	-1.6	-1.8	-2.5	-3.2	-3.5	-3.8	-3.8	-3.8	-4.2	-4.8	-5.5	-4.3	-0.8	-8.4
29	-6.1	-6.0	-5.8	-5.8	-5.4	-5.5	-5.7	-5.8	-5.2	-5.1	-4.5	-3.8	-3.6	-3.5	-4.5	-4.4	-6.8	-9.4	-12.7	-14.9	-15.8	-17.0	-17.8	-19.3	-8.1	-3.5	-19.3
30	-20.3	-20.8	-21.3	-21.8	-22.2	-22.2	-22.6	-22.7	-21.7	-18.8	-13.8	-9.1	-4.9	-3.2	-3.5	-4.4	-4.7	-4.9	-5.0	-4.9	-5.2	-5.9	-6.5	-7.8	-12.4	-3.2	-22.7
Avg	-2.7	-3.1	-3.4	-3.8	-4.1	-4.4	-4.7	-4.7	-3.3	0.0	3.9	6.2	7.1	7.4	7.4	6.8	4.9	2.4	0.6	-0.4	-1.2	-1.9	-2.5	-2.8	0.2	7.7	-6.6
Max	7.0	6.7	5.6	5.1	5.0	3.8	4.2	4.8	5.4	6.4	11.5	14.5	16.3	16.6	16.6	15.9	13.3	9.4	9.3	8.5	7.7	6.8	7.4	6.9	7.0	16.6	2.3
Min	-20.3	-20.8	-21.3	-21.8	-22.2	-22.2	-22.6	-22.7	-21.7	-18.8	-13.8	-9.1	-4.9	-3.5	-4.5	-4.4	-6.8	-9.4	-12.7	-14.9	-15.8	-17.0	-17.8	-19.3	-12.4	-3.5	-22.7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
December 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-8.9	-8.7	-9.1	-10.2	-11.1	-11.1	-9.3	-8.7	-7.8	-6.6	-4.2	-2.7	-2.5	-2.4	-2.6	-2.7	-3.4	-3.8	-4.2	-4.2	-5.0	-4.8	-4.6	-4.5	-6.0	-2.4	-11.1
2	-4.4	-4.5	-4.5	-4.7	-5.1	-5.9	-6.3	-5.6	-5.3	-4.8	-4.6	-3.8	-3.7	-3.7	-4.0	-4.8	-6.1	-11.0	-13.0	-12.8	-10.0	-6.4	-5.4	-5.2	-6.1	-3.7	-13.0
3	-4.8	-4.5	-4.6	-4.3	-5.2	-4.8	-4.1	-3.0	-2.5	-1.8	-1.3	-1.1	-0.7	-0.9	-1.0	-1.5	-1.9	-3.5	-3.3	-3.3	-4.2	-3.2	-3.1	-3.6	-3.0	-0.7	-5.2
4	-3.6	-3.9	-4.2	-3.8	-3.8	-4.0	-3.8	-3.4	-4.4	-3.6	-2.3	-1.7	-0.7	-0.2	-0.7	-1.3	-2.1	-2.5	-2.7	-4.7	-6.1	-6.5	-6.9	-8.0	-3.5	-0.2	-8.0
5	-9.6	-11.3	-13.8	-13.7	-12.4	-14.0	-13.7	-14.1	-15.0	-13.4	-12.5	-11.8	-12.0	-12.1	-12.0	-12.9	-14.7	-16.5	-18.0	-19.2	-19.8	-20.2	-23.2	-24.7	-15.0	-9.6	-24.7
6	-25.2	-25.7	-24.8	-22.8	-21.8	-21.3	-21.0	-20.6	-20.1	-19.2	-18.3	-17.7	-17.7	-18.1	-18.3	-18.8	-18.9	-18.9	-19.0	-19.0	-19.3	-19.8	-20.6	-21.4	-20.3	-17.7	-25.7
7	-21.7	-22.0	-22.0	-22.4	-22.7	-22.9	-22.9	-22.8	-22.8	-22.4	-21.4	-20.4	-19.5	-19.2	-18.6	-19.0	-21.0	-21.3	-20.8	-20.3	-20.1	-19.8	-19.8	-19.8	-21.1	-18.6	-22.9
8	-19.8	-19.7	-19.6	-19.7	-19.8	-20.1	-20.1	-19.8	-20.0	-19.7	-16.9	-14.6	-13.6	-13.3	-13.8	-14.7	-17.5	-19.2	-19.5	-21.1	-20.6	-20.9	-18.7	-18.1	-18.4	-13.3	-21.1
9	-19.0	-17.9	-19.0	-18.4	-18.0	-17.7	-17.5	-17.4	-17.4	-16.9	-16.0	-14.9	-13.2	-12.1	-12.3	-12.5	-13.3	-12.8	-13.5	-13.5	-13.1	-12.5	-12.3	-12.0	-15.1	-12.0	-19.0
10	-11.8	-11.6	-11.1	-11.1	-10.2	-9.3	-8.7	-8.1	-8.2	-6.2	-4.0	-2.2	-1.7	-2.2	-2.5	-3.5	-4.4	-5.4	-6.0	-6.5	-7.8	-8.2	-8.0	-8.2	-7.0	-1.7	-11.8
11	-9.1	-11.3	-11.1	-11.0	-11.2	-11.3	-11.7	-12.9	-12.2	-10.5	-8.0	-4.0	-3.4	-3.4	-3.4	-3.3	-4.7	-6.7	-7.0	-7.7	-7.9	-6.6	-6.0	-5.1	-7.9	-3.3	-12.9
12	-5.9	-7.3	-7.8	-8.1	-8.3	-9.3	-14.4	-16.6	-17.1	-17.1	-18.0	-17.2	-16.3	-15.5	-15.3	-15.7	-16.3	-17.0	-19.1	-22.6	-24.4	-26.1	-26.7	-28.1	-16.3	-5.9	-28.1
13	-27.9	-27.8	-28.1	-28.3	-25.7	-22.9	-21.6	-21.6	-21.9	-20.3	-17.2	-9.9	-8.0	-7.8	-8.7	-10.1	-11.7	-14.7	-17.6	-18.8	-20.9	-22.7	-23.7	-23.9	-19.2	-7.8	-28.3
14	-25.8	-26.0	-27.0	-27.8	-28.5	-29.1	-29.8	-29.4	-29.5	-27.6	-24.4	-21.4	-17.8	-14.3	-13.9	-13.0	-13.3	-14.5	-15.2	-14.4	-14.5	-13.3	-13.2	-11.7	-20.6	-11.7	-29.8
15	-10.7	-10.6	-11.0	-11.5	-11.8	-11.4	-11.8	-12.5	-12.7	-12.4	-12.3	-12.1	-13.0	-14.6	-15.9	-16.2	-16.3	-16.4	-16.6	-17.2	-17.8	-18.5	-18.9	-19.4	-14.2	-10.6	-19.4
16	-20.1	-20.3	-20.9	-21.1	-21.5	-21.7	-22.2	-22.3	-22.3	-21.6	-21.3	-20.8	-20.3	-20.8	-21.1	-21.6	-22.6	-23.3	-24.0	-26.7	-28.8	-30.7	-33.2	-34.9	-23.5	-20.1	-34.9
17	-36.0	-36.9	-37.4	-38.1	-38.1	-38.4	-39.0	-38.6	-38.7	-37.3	-34.2	-30.5	-25.7	-20.0	-19.1	-19.5	-22.2	-25.8	-28.0	-28.0	-28.2	-29.3	-29.3	-26.3	-31.0	-19.1	-39.0
18	-20.4	-18.0	-18.4	-19.2	-19.9	-21.0	-23.7	-23.9	-22.9	-20.2	-14.4	-11.5	-10.9	-10.7	-10.0	-10.0	-10.0	-10.7	-10.6	-11.0	-10.6	-11.2	-12.7	-15.2	-15.3	-10.0	-23.9
19	-14.5	-14.7	-14.8	-15.6	-12.9	-9.6	-9.6	-7.1	-7.4	-7.3	-5.8	-4.1	-3.9	-3.5	-3.2	-2.7	-2.4	-2.0	-1.9	-2.2	-2.6	-2.4	-2.2	-1.8	-6.4	-1.8	-15.6
20	-1.8	-2.1	-2.3	-2.7	-3.4	-3.9	-4.1	-3.5	-2.5	-1.8	-1.3	0.3	0.9	1.6	1.7	2.2	2.3	0.1	-1.7	-3.5	-4.2	-4.5	-4.3	-4.1	-1.8	2.3	-4.5
21	-4.2	-4.3	-4.7	-4.9	-5.0	-5.5	-5.6	-5.4	-5.5	-5.4	Au	Au	Au	Au	Au	-3.7	-4.9	-9.2	-12.7	-15.4	-17.4	-18.9	-20.0	-19.7	-9.1	-3.7	-20.0
22	-16.9	-16.2	-15.3	-16.7	-18.0	-19.5	-19.8	-19.9	-19.2	-18.7	-15.6	-12.5	-8.7	-3.9	-0.7	-0.5	-3.4	-6.0	-8.3	-10.4	-12.7	-13.3	-13.9	-16.0	-12.8	-0.5	-19.9
23	-17.5	-18.8	-18.4	-18.9	-18.7	-18.4	-19.3	-19.8	-19.8	-18.8	-14.5	-10.6	-3.8	-2.4	-2.6	-2.6	-2.8	-2.4	-3.4	-2.7	-3.6	-2.9	-2.3	-2.4	-10.3	-2.3	-19.8
24	-2.0	-1.7	-2.2	-3.2	-5.0	-7.2	-9.7	-11.5	-11.6	-10.8	-9.2	-4.6	-3.0	-2.1	-3.8	-6.2	-7.7	-9.2	-9.7	-9.9	-10.3	-10.7	-10.5	-10.3	-7.2	-1.7	-11.6
25	-10.6	-11.6	-11.3	-12.6	-13.9	-14.6	-14.6	-14.7	-16.1	-15.8	-15.8	-16.4	-16.3	-16.1	-16.6	-16.8	-16.5	-16.1	-15.9	-15.4	-14.8	-14.4	-15.4	-17.0	-15.0	-10.6	-17.0
26	-17.8	-19.8	-19.4	-17.9	-16.6	-14.8	-12.5	-9.5	-8.8	-8.5	-9.0	-8.3	-7.7	-7.7	-7.5	-7.7	-8.9	-14.5	-16.0	-17.8	-19.3	-20.4	-21.6	-21.7	-13.9	-7.5	-21.7
27	-21.7	-20.1	-16.9	-15.1	-14.2	-11.4	-8.7	-5.4	-5.6	-5.6	-4.9	-4.4	-4.6	-5.0	-4.6	-5.4	-5.4	-6.0	-5.3	-5.4	-5.4	-5.5	-5.9	-6.0	-8.3	-4.4	-21.7
28	-6.2	-6.3	-6.9	-6.8	-6.9	-6.8	-7.0	-6.9	-6.7	-6.5	-6.0	-5.8	-5.3	-5.1	-4.9	-5.4	-6.0	-7.8	-8.1	-7.0	-7.6	-8.5	-8.6	-10.2	-6.8	-4.9	-10.2
29	-14.5	-16.7	-18.7	-19.7	-18.3	-16.5	-15.5	-14.3	-12.9	-11.8	-9.8	-4.7	-3.2	-3.0	-2.4	-2.0	-2.4	-5.2	-6.4	-6.8	-2.4	-0.3	-0.2	-1.6	-8.7	-0.2	-19.7
30	0.7	0.5	-1.1	-1.8	1.4	1.9	0.9	-0.2	-1.0	-1.6	-1.8	-3.1	-4.7	-4.9	-4.5	-5.4	-6.3	-7.4	-7.7	-8.4	-10.7	-12.9	-14.5	-9.6	-4.3	1.9	-14.5
31	-8.5	-9.2	-10.1	-9.4	-9.1	-10.1	-9.1	-9.1	-9.1	-8.6	-7.4	-6.7	-6.2	-5.6	-5.3	-5.6	-6.9	-10.8	-12.8	-14.4	-17.2	-18.4	-19.1	-20.1	-10.4	-5.3	-20.1
Avg	-13.6	-13.8	-14.1	-14.2	-14.1	-14.0	-14.1	-13.8	-13.8	-13.0	-11.7	-10.0	-8.9	-8.3	-8.3	-8.5	-9.4	-11.0	-11.9	-12.6	-13.1	-13.3	-13.7	-13.9	-12.2	-6.7	-19.2
Max	0.7	0.5	-1.1	-1.8	1.4	1.9	0.9	-0.2	-1.0	-1.6	-1.3	0.3	0.9	1.6	1.7	2.2	2.3	0.1	-1.7	-2.2	-2.4	-0.3	-0.2	-1.6	-1.8	2.3	-4.5
Min	-36.0	-36.9	-37.4	-38.1	-38.1	-38.4	-39.0	-38.6	-38.7	-37.3	-34.2	-30.5	-25.7	-20.8	-21.1	-21.6	-22.6	-25.8	-28.0	-28.0	-28.8	-30.7	-33.2	-34.9	-31.0	-20.1	-39.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
October 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	2.09	1.68	1.59	1.30	1.53	1.10	1.02	0.36	0.04	-0.06	-0.32	-0.56	-0.86	-0.72	-0.02	0.18	0.28	0.16	0.34	0.73	1.03	0.46	0.22	0.30	0.49	2.09	-0.86
2	0.52	0.48	0.04	-0.06	0.13	0.15	0.11	-0.07	-0.32	-0.68	-0.58	-0.59	-0.34	-0.40	-0.18	-0.22	-0.08	0.12	0.34	0.20	0.31	0.16	0.26	0.18	-0.02	0.52	-0.68
3	0.36	-0.04	-0.07	-0.10	-0.11	-0.02	0.06	0.04	0.01	-0.24	-0.35	-0.51	-0.62	-0.36	-0.20	-0.21	-0.07	-0.03	-0.01	-0.01	-0.03	0.02	0.00	0.02	-0.10	0.36	-0.62
4	0.03	0.04	0.00	0.07	0.08	0.03	0.00	-0.05	-0.10	-0.16	-0.34	-0.61	-0.58	-0.67	-0.77	-0.72	-0.62	0.15	0.45	0.29	0.01	-0.03	-0.05	-0.04	-0.15	0.45	-0.77
5	0.03	0.01	-0.06	-0.09	-0.07	-0.04	0.03	-0.11	-0.35	-0.52	-0.67	-0.89	-1.01	-0.81	-0.66	-0.66	-0.40	-0.16	-0.06	-0.10	-0.13	-0.14	-0.18	-0.19	-0.30	0.03	-1.01
6	-0.18	-0.17	-0.18	-0.17	-0.18	-0.16	-0.15	-0.19	-0.25	-0.52	-0.74	-0.65	-0.73	-0.87	-0.70	-0.60	-0.23	0.06	0.09	0.42	0.39	0.39	0.45	0.06	-0.20	0.45	-0.87
7	0.04	0.40	0.92	0.94	0.41	0.42	1.18	0.54	-0.18	-0.52	-0.64	-0.58	-0.21	-0.08	-0.07	-0.05	0.09	0.17	0.31	0.31	0.28	0.25	0.26	0.16	0.18	1.18	-0.64
8	0.12	0.21	0.28	0.19	0.16	0.03	0.04	-0.05	-0.13	-0.24	-0.40	-0.53	-0.43	-0.52	-0.33	-0.24	-0.07	0.63	1.25	1.04	0.54	0.87	0.71	1.51	0.19	1.51	-0.53
9	1.82	1.73	1.50	1.70	0.99	0.79	0.80	0.40	0.02	-0.42	-0.58	-0.32	-0.16	-0.54	-0.50	-0.07	0.26	0.96	0.87	1.27	0.63	0.60	0.35	0.29	0.52	1.82	-0.58
10	0.34	0.12	0.04	-0.01	-0.03	-0.03	0.01	-0.10	-0.43	-0.41	-0.47	-1.17	-0.94	-1.14	-1.03	-0.83	-0.49	-0.29	-0.21	-0.17	-0.15	-0.10	-0.10	-0.11	-0.32	0.34	-1.17
11	-0.10	-0.05	-0.07	0.00	0.04	-0.06	-0.07	0.12	-0.17	-0.18	-0.33	-0.50	-0.48	-0.49	-0.46	-0.36	-0.05	0.70	0.83	1.27	1.22	1.61	1.79	1.65	0.24	1.79	-0.50
12	1.69	1.87	1.79	1.27	1.75	1.50	1.49	0.56	-0.09	-0.22	-0.32	-0.73	-0.42	-0.45	-0.47	-0.37	-0.37	0.19	0.05	0.48	0.50	1.24	0.98	1.19	0.55	1.87	-0.73
13	1.35	1.27	1.78	1.37	1.13	1.44	1.24	0.79	-0.17	-0.23	-0.01	0.02	-0.30	-0.26	-0.43	-0.12	-0.02	0.84	1.37	0.75	0.95	0.80	0.52	0.35	0.60	1.78	-0.43
14	0.21	0.31	0.35	0.53	0.48	0.42	0.37	0.33	0.29	0.16	0.03	0.12	0.13	-0.02	0.00	0.06	0.12	0.43	0.44	0.57	0.71	0.93	1.60	1.18	0.41	1.60	-0.02
15	0.70	0.84	1.35	0.92	0.78	1.12	0.97	0.91	0.02	0.07	-0.16	-0.07	-0.03	-0.15	0.02	-0.01	0.23	0.54	0.55	0.77	0.57	0.55	0.45	0.48	0.48	1.35	-0.16
16	0.46	0.34	0.22	0.24	0.32	0.58	0.50	0.17	-0.02	-0.06	-0.13	-0.45	-0.34	-0.62	-0.48	-0.35	0.05	0.83	0.47	0.36	0.25	0.52	0.61	0.71	0.17	0.83	-0.62
17	0.46	0.21	0.22	0.39	0.39	0.43	0.35	0.36	-0.04	-0.18	-0.25	-0.35	-0.30	-0.25	-0.18	-0.26	-0.02	0.39	0.62	0.65	0.32	0.30	0.27	0.69	0.18	0.69	-0.35
18	0.29	0.52	0.54	0.37	0.42	0.43	0.80	0.44	-0.03	-0.08	-0.33	-0.71	-0.69	-0.56	-0.36	-0.12	0.21	0.59	1.01	0.41	0.11	0.03	0.01	0.07	0.14	1.01	-0.71
19	0.29	0.27	0.08	0.17	0.15	0.11	0.05	0.00	-0.08	-0.35	-0.56	-0.77	-0.56	-0.79	-0.62	-0.48	-0.16	0.09	0.64	1.28	0.94	1.05	1.25	1.11	0.13	1.28	-0.79
20	1.37	1.10	0.87	0.81	0.61	1.25	1.08	0.46	-0.07	-0.55	-0.67	-0.82	-0.66	-0.34	-0.41	-0.13	0.12	0.40	0.71	0.41	0.53	1.23	1.78	0.50	0.40	1.78	-0.82
21	0.24	0.30	0.32	0.45	0.73	1.37	0.77	0.41	0.14	-0.28	-0.47	-0.59	-0.41	-0.37	-0.39	-0.25	0.10	0.27	0.77	0.33	1.09	0.63	1.13	1.22	0.31	1.37	-0.59
22	1.47	0.90	0.93	0.80	0.76	0.80	0.68	0.18	-0.14	-0.23	-0.49	-0.67	-0.82	-0.79	-0.64	-0.24	0.19	0.63	0.48	0.37	0.36	0.70	0.39	0.70	0.26	1.47	-0.82
23	0.09	0.53	0.71	1.02	1.20	0.59	0.64	0.50	-0.10	-0.54	-0.78	-0.77	-0.85	-0.70	-0.62	0.00	0.31	0.32	0.49	0.41	1.20	1.66	1.51	1.22	0.33	1.66	-0.85
24	0.99	0.97	1.33	1.29	1.60	1.51	1.42	1.38	0.34	-0.34	-0.38	-0.48	-0.66	-0.36	-0.25	0.13	0.14	0.88	1.36	1.10	0.73	0.45	0.56	1.11	0.62	1.60	-0.66
25	1.51	1.51	1.20	0.70	0.55	1.25	0.67	0.43	-0.03	-0.41	-0.45	-0.69	-0.75	-0.47	-0.61	-0.37	0.58	1.04	0.74	0.60	0.64	0.37	0.79	0.93	0.41	1.51	-0.75
26	0.74	0.82	0.58	0.73	0.53	0.41	0.33	0.17	-0.12	-0.11	-0.04	-0.11	-0.26	-0.36	-0.15	0.15	0.74	1.03	0.88	1.30	1.64	2.05	2.93	0.93	0.62	2.93	-0.36
27	0.60	1.85	1.21	1.88	1.43	1.61	1.72	1.74	1.72	0.85	-0.14	-0.34	-0.18	-0.12	-0.07	0.20	0.42	0.41	0.82	0.79	0.57	0.35	0.43	1.39	0.80	1.88	-0.34
28	0.96	0.77	0.47	0.65	0.61	0.21	0.27	0.09	-0.02	-0.01	-0.21	-0.39	-0.41	-0.59	-0.31	-0.12	0.40	0.63	0.69	0.88	0.64	1.07	0.53	0.12	0.29	1.07	-0.59
29	0.17	0.06	0.01	-0.02	-0.08	-0.10	-0.10	-0.08	-0.33	-0.51	-0.97	-0.83	-0.51	-0.33	-0.30	-0.24	0.01	0.38	0.42	0.67	1.00	1.12	0.96	1.10	0.06	1.12	-0.97
30	1.60	1.07	0.88	0.58	1.22	0.85	0.99	0.92	0.62	-0.09	-0.33	-0.59	-0.58	-0.42	-0.17	0.13	0.35	0.56	0.15	0.17	0.05	0.07	-0.04	-0.09	0.33	1.60	-0.59
31	-0.07	-0.06	0.02	0.37	0.51	0.24	0.17	0.23	0.20	0.09	0.07	0.03	0.00	0.07	0.06	0.04	0.11	0.26	0.20	0.27	0.51	0.33	0.38	0.25	0.18	0.51	-0.07
Avg	0.65	0.64	0.61	0.59	0.58	0.59	0.56	0.35	0.01	-0.22	-0.39	-0.52	-0.48	-0.47	-0.36	-0.20	0.07	0.43	0.55	0.57	0.56	0.63	0.67	0.61	0.25	1.27	-0.63
Max	2.09	1.87	1.79	1.88	1.75	1.61	1.72	1.74	1.72	0.85	0.07	0.12	0.13	0.07	0.06	0.20	0.74	1.04	1.37	1.30	1.64	2.05	2.93	1.65	0.80	2.93	-0.02
Min	-0.18	-0.17	-0.18	-0.17	-0.18	-0.16	-0.15	-0.19	-0.43	-0.68	-0.97	-1.17	-1.01	-1.14	-1.03	-0.83	-0.62	-0.29	-0.21	-0.17	-0.15	-0.14	-0.18	-0.19	-0.32	0.03	-1.17

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
November 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.30	0.49	0.64	0.63	1.49	1.26	0.93	0.73	0.23	-0.08	-0.29	-0.48	-0.74	-0.65	-0.41	-0.39	0.88	0.66	0.71	0.53	0.79	0.72	0.70	0.93	0.40	1.49	-0.74
2	1.04	1.08	1.93	1.43	1.34	1.09	0.89	1.06	-0.04	-0.39	-0.49	-0.63	-0.53	-0.38	-0.62	0.14	0.49	0.82	0.27	0.65	0.37	0.88	1.20	1.22	0.53	1.93	-0.63
3	1.52	1.38	0.49	0.65	0.86	1.06	0.87	0.81	0.38	-0.04	-0.28	-0.43	-0.28	-0.37	-0.43	-0.30	0.39	0.33	0.52	0.76	0.92	1.49	1.68	1.57	0.56	1.68	-0.43
4	1.29	2.00	1.60	2.01	1.80	1.91	2.11	2.16	0.19	-0.37	-0.40	-0.52	-0.74	-0.55	-0.08	-0.07	1.25	1.20	0.76	1.17	0.64	1.87	1.87	1.41	0.94	2.16	-0.74
5	1.45	1.80	1.42	1.38	1.56	1.54	1.40	1.59	0.41	-0.10	-0.28	-0.36	-0.36	-0.32	-0.32	-0.15	1.06	0.77	0.59	1.45	1.07	1.49	2.05	1.32	0.85	2.05	-0.36
6	1.16	1.23	2.11	2.02	1.67	1.53	1.15	1.33	0.99	-0.12	-0.19	-0.45	-0.42	0.05	0.12	0.12	0.40	0.61	0.88	1.06	1.31	1.80	0.81	0.65	0.83	2.11	-0.45
7	0.57	0.73	1.43	1.05	1.26	1.15	1.21	1.34	0.10	-0.46	-0.34	-0.57	-0.64	-0.62	-0.36	0.17	0.75	1.18	1.04	0.84	0.68	1.05	1.09	1.18	0.58	1.43	-0.64
8	0.88	1.12	1.27	0.75	1.35	1.35	1.16	1.52	0.32	-0.08	-0.32	-0.33	-0.42	-0.46	-0.53	-0.18	0.93	1.45	1.59	1.02	0.88	1.62	1.80	1.56	0.76	1.80	-0.53
9	1.22	1.89	1.55	1.31	1.56	1.97	1.55	1.62	0.51	-0.36	-0.35	-0.44	-0.57	-0.56	-0.38	-0.02	0.83	1.42	0.90	1.22	1.11	1.23	1.06	1.14	0.81	1.97	-0.57
10	1.19	1.61	1.76	1.97	1.79	1.73	1.41	1.70	0.29	-0.26	-0.44	-0.44	-0.53	-0.58	-0.43	-0.14	0.65	1.43	0.64	1.17	1.79	1.67	1.60	1.66	0.89	1.97	-0.58
11	1.33	1.40	1.57	1.74	1.49	1.58	1.59	1.66	0.76	-0.12	-0.28	-0.51	-0.56	-0.45	-0.51	-0.16	0.98	0.64	0.82	0.59	1.14	1.41	1.42	1.69	0.80	1.74	-0.56
12	1.37	1.84	1.36	1.63	1.51	1.71	1.32	1.63	0.31	-0.13	-0.12	-0.51	-0.60	-0.57	-0.28	0.10	0.54	1.77	2.00	2.46	2.31	1.21	0.28	0.31	0.89	2.46	-0.60
13	0.32	0.40	0.51	0.44	0.32	0.51	0.39	0.55	0.42	-0.30	-0.45	-0.58	-0.64	-0.59	-0.43	-0.19	0.64	1.54	1.03	0.30	0.52	0.65	1.23	0.49	0.30	1.54	-0.64
14	0.40	0.32	0.56	1.03	1.20	1.77	1.27	0.94	0.32	0.21	-0.35	-0.08	-0.50	-0.29	-0.11	-0.06	0.24	0.24	0.14	0.07	0.12	0.24	0.40	0.21	0.35	1.77	-0.50
15	0.28	0.36	0.68	0.46	0.42	0.29	0.10	0.13	0.16	0.02	-0.33	-0.22	0.03	-0.08	-0.04	0.06	0.05	0.09	0.02	0.03	0.08	0.13	0.03	0.13	0.12	0.68	-0.33
16	0.08	0.06	0.14	0.37	0.68	0.37	0.30	0.32	-0.18	-0.21	-0.18	-0.12	-0.25	-0.33	-0.20	-0.12	0.19	0.58	0.44	0.40	0.59	0.38	0.22	0.17	0.15	0.68	-0.33
17	0.10	0.41	0.59	0.15	0.32	0.22	0.13	0.07	-0.05	-0.20	-0.39	-0.38	-0.26	-0.17	-0.27	-0.30	0.17	1.04	2.05	2.09	0.72	0.50	0.33	0.29	0.30	2.09	-0.39
18	0.15	0.62	2.17	2.38	1.67	2.62	2.10	2.05	0.58	-0.12	-0.22	-0.43	-0.27	-0.23	-0.19	0.20	0.48	1.00	0.58	1.14	0.66	0.61	0.25	0.20	0.75	2.62	-0.43
19	0.23	0.33	0.21	0.14	0.33	0.74	0.85	1.26	1.32	-0.05	0.00	-0.25	-0.27	-0.05	0.18	0.55	0.31	0.49	0.40	0.41	0.92	0.79	0.94	0.52	0.43	1.32	-0.27
20	0.31	0.12	0.45	1.00	0.98	0.80	0.61	0.54	0.79	0.32	0.09	-0.03	-0.02	0.03	0.13	0.52	1.31	0.89	0.92	0.29	0.44	0.93	0.53	0.66	0.53	1.31	-0.03
21	0.83	0.81	0.86	1.04	0.87	1.25	0.97	0.91	0.50	0.10	-0.29	-0.41	-0.49	-0.43	-0.17	0.08	0.44	1.02	0.84	0.95	0.87	0.52	0.96	1.10	0.55	1.25	-0.49
22	1.11	0.98	1.14	0.91	1.15	1.05	1.01	0.99	0.12	-0.36	-0.44	-0.43	-0.70	-0.55	-0.33	-0.13	0.85	0.84	1.54	1.68	2.10	1.48	1.49	1.21	0.70	2.10	-0.70
23	1.15	1.33	1.49	1.82	0.92	0.56	0.81	0.61	0.31	0.00	-0.17	-0.18	-0.30	-0.17	-0.11	-0.01	-0.03	0.21	0.48	0.27	0.04	0.01	0.23	0.19	0.39	1.82	-0.30
24	0.18	0.32	0.52	0.70	0.64	0.53	1.00	0.48	0.40	-0.07	-0.23	-0.33	-0.49	-0.51	-0.45	-0.07	1.03	0.93	1.15	0.90	1.04	0.71	0.48	0.33	0.38	1.15	-0.51
25	0.46	0.98	0.68	0.49	0.86	0.62	0.66	1.28	1.59	0.09	-0.31	-0.33	-0.13	-0.07	-0.03	0.19	0.59	1.08	1.29	0.78	1.18	1.64	1.49	1.81	0.70	1.81	-0.33
26	0.68	1.37	0.64	1.24	1.19	1.59	1.37	1.63	1.45	0.01	-0.40	-0.56	-0.59	-0.54	-0.07	0.29	0.60	0.54	0.49	0.29	0.24	1.47	2.14	0.76	0.66	2.14	-0.59
27	1.13	0.99	1.22	1.67	1.20	1.68	1.79	1.25	0.38	-0.35	-0.16	-0.09	-0.23	-0.20	-0.18	0.04	0.31	0.34	0.33	0.40	0.50	0.69	0.87	1.85	0.64	1.85	-0.35
28	0.81	0.52	0.96	0.56	0.79	0.93	0.40	0.15	0.58	0.02	-0.19	-0.43	-0.55	-0.38	-0.24	-0.09	0.17	0.17	0.04	0.11	0.11	0.04	0.05	0.29	0.20	0.96	-0.55
29	0.40	0.27	0.07	0.21	0.19	0.23	0.30	0.34	-0.10	-0.07	-0.15	-0.22	-0.19	-0.11	0.10	0.04	0.81	1.31	1.09	1.00	1.34	1.28	1.94	2.15	0.51	2.15	-0.22
30	1.73	1.95	2.04	1.94	1.57	2.00	2.22	2.24	1.40	0.62	0.07	-0.17	-0.34	-0.21	-0.07	-0.10	-0.07	-0.04	-0.01	0.00	0.05	0.37	0.46	0.63	0.76	2.24	-0.34
Avg	0.79	0.96	1.07	1.10	1.10	1.19	1.06	1.10	0.48	-0.09	-0.26	-0.36	-0.42	-0.34	-0.22	0.00	0.57	0.82	0.78	0.80	0.82	0.96	0.99	0.92	0.58	1.74	-0.47
Max	1.73	2.00	2.17	2.38	1.80	2.62	2.22	2.24	1.59	0.62	0.09	-0.03	0.03	0.05	0.18	0.55	1.31	1.77	2.05	2.46	2.31	1.87	2.14	2.15	0.94	2.62	-0.03
Min	0.08	0.06	0.07	0.14	0.19	0.22	0.10	0.07	-0.18	-0.46	-0.49	-0.63	-0.74	-0.65	-0.62	-0.39	-0.07	-0.04	-0.01	0.00	0.04	0.01	0.03	0.13	0.12	0.68	-0.74

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
December 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.94	1.05	0.82	1.28	1.72	1.21	0.45	0.34	-0.01	-0.03	-0.25	-0.40	-0.37	-0.31	-0.20	-0.09	-0.06	0.04	-0.01	0.10	0.26	0.07	0.11	-0.03	0.28	1.72	-0.40
2	-0.05	-0.06	-0.03	0.00	0.14	0.47	0.47	0.20	-0.02	-0.16	-0.10	-0.27	-0.14	-0.13	-0.02	0.34	0.82	1.96	1.42	1.01	0.57	0.14	-0.02	0.11	0.28	1.96	-0.27
3	0.09	0.06	0.20	0.16	0.31	0.15	0.30	0.17	0.06	0.09	0.00	-0.01	-0.01	0.23	0.20	0.17	0.25	0.76	0.56	0.57	0.97	0.32	0.23	0.13	0.25	0.97	-0.01
4	0.06	0.05	0.13	0.17	0.27	0.27	0.34	0.24	0.39	0.05	0.00	-0.08	-0.08	0.03	0.08	-0.03	-0.03	0.05	0.21	0.66	0.75	0.42	0.14	0.16	0.18	0.75	-0.08
5	0.38	0.72	1.60	1.60	0.75	0.95	0.59	0.72	0.96	0.28	0.08	-0.08	-0.29	-0.23	-0.30	0.16	0.59	0.63	0.78	0.98	0.80	0.70	1.57	1.10	0.63	1.60	-0.30
6	0.82	1.24	0.17	-0.13	-0.14	-0.14	-0.18	-0.15	-0.13	-0.18	-0.33	-0.42	-0.45	-0.43	-0.39	-0.28	-0.18	-0.17	-0.14	-0.12	-0.11	-0.10	-0.05	0.00	-0.08	1.24	-0.45
7	-0.02	0.03	-0.09	-0.16	-0.13	-0.15	-0.17	-0.17	-0.20	-0.21	-0.27	-0.26	-0.32	-0.33	-0.37	0.13	0.69	0.06	0.01	-0.09	-0.07	-0.10	-0.03	-0.04	-0.09	0.69	-0.37
8	0.08	-0.07	-0.07	0.08	0.12	0.11	0.17	0.08	0.17	-0.10	-0.15	-0.30	-0.31	-0.34	-0.20	0.00	0.19	0.20	0.30	1.48	0.68	0.32	-0.03	-0.15	0.09	1.48	-0.34
9	-0.13	-0.12	0.02	0.02	-0.18	-0.18	-0.18	-0.16	-0.16	-0.21	-0.28	-0.26	-0.22	0.04	0.16	0.09	0.21	-0.06	-0.06	-0.15	-0.15	-0.15	-0.14	-0.12	-0.10	0.21	-0.28
10	-0.12	-0.11	-0.01	0.20	0.26	0.29	0.78	0.51	0.35	0.23	0.05	-0.02	-0.17	-0.06	0.16	0.35	0.45	0.54	0.60	0.87	1.40	1.62	1.11	1.03	0.43	1.62	-0.17
11	1.04	1.28	0.17	0.06	0.35	0.39	0.61	0.99	0.60	0.30	0.13	-0.10	-0.14	0.00	0.03	0.19	0.51	1.15	0.62	0.89	0.90	0.54	0.27	0.02	0.45	1.28	-0.14
12	-0.02	0.06	-0.04	-0.07	-0.08	-0.13	-0.19	-0.18	-0.18	-0.20	-0.19	-0.40	-0.36	-0.39	-0.33	-0.10	-0.03	-0.02	0.86	1.53	1.61	2.18	1.45	2.08	0.29	2.18	-0.40
13	2.27	2.01	2.28	1.69	0.89	0.16	0.12	0.84	0.85	0.70	0.84	0.20	0.26	0.11	0.21	0.58	1.14	1.49	2.08	1.19	0.93	1.63	1.75	2.14	1.10	2.28	0.11
14	1.83	1.27	2.05	1.49	2.03	2.09	2.17	1.71	2.26	1.40	1.04	0.67	0.34	0.66	0.99	1.26	1.26	1.04	0.86	1.14	1.17	0.59	0.60	0.60	1.27	2.26	0.34
15	0.36	0.02	-0.13	-0.14	-0.15	-0.15	-0.15	-0.14	-0.14	-0.16	-0.19	-0.22	-0.22	-0.19	-0.20	-0.20	-0.17	-0.18	-0.18	-0.17	-0.17	-0.15	-0.15	-0.17	-0.14	0.36	-0.22
16	-0.18	-0.19	-0.18	-0.18	-0.17	-0.16	-0.14	-0.12	-0.12	-0.16	-0.18	-0.18	-0.15	-0.13	-0.11	0.05	0.05	-0.07	0.23	0.96	1.10	1.44	1.21	1.40	0.17	1.44	-0.19
17	0.97	1.61	1.23	1.74	1.21	2.03	1.77	1.60	1.34	1.32	0.79	0.59	2.06	-0.01	0.13	0.59	1.85	1.20	1.30	1.92	0.90	1.26	2.29	3.71	1.39	3.71	-0.01
18	1.14	0.45	0.60	0.68	1.52	1.74	1.64	1.01	0.64	0.85	0.37	-0.07	-0.13	-0.11	-0.04	0.07	0.25	0.50	0.55	0.73	0.48	0.74	1.75	2.85	0.76	2.85	-0.13
19	1.52	1.32	1.38	1.26	0.94	0.32	0.29	0.17	0.15	0.20	0.39	0.19	0.18	0.20	0.15	0.18	0.19	0.18	0.17	0.17	0.19	0.22	0.11	0.14	0.43	1.52	0.11
20	0.15	0.19	0.15	0.18	0.20	0.26	0.13	0.06	0.21	0.21	0.07	0.16	0.09	0.07	0.14	0.20	0.19	0.20	0.60	0.38	0.39	0.34	0.19	0.17	0.21	0.60	0.06
21	0.12	0.14	0.18	0.15	0.19	0.37	0.31	0.21	0.26	0.33	Au	Au	Au	Au	Au	0.28	0.82	1.78	1.46	2.05	1.53	2.16	1.70	2.04	0.85	2.16	0.12
22	1.54	1.59	1.03	1.50	1.61	2.40	2.01	1.57	1.41	1.19	0.89	0.61	0.41	0.56	0.70	0.77	1.23	1.31	2.01	1.56	2.21	1.60	1.42	1.87	1.37	2.40	0.41
23	1.74	2.51	2.14	2.13	1.35	0.99	2.46	1.99	1.74	1.51	0.21	0.19	0.86	0.17	0.18	0.31	0.70	0.82	0.74	0.37	0.38	0.39	0.23	0.21	1.01	2.51	0.17
24	0.14	0.08	0.35	0.78	1.00	1.85	2.03	2.22	1.72	1.13	0.86	1.19	-0.06	0.00	0.05	-0.11	-0.12	-0.15	-0.13	-0.14	-0.14	-0.09	-0.08	0.00	0.52	2.22	-0.15
25	0.08	-0.05	-0.04	-0.09	-0.01	-0.09	-0.13	-0.13	-0.13	-0.17	-0.17	-0.18	-0.21	-0.18	-0.05	-0.04	-0.17	-0.16	-0.18	-0.11	-0.11	-0.02	0.40	0.61	-0.06	0.61	-0.21
26	0.43	1.32	0.61	0.69	1.14	1.63	0.73	0.13	0.03	0.03	0.19	-0.01	-0.01	0.12	0.14	0.23	0.71	1.85	1.27	1.63	1.34	1.76	1.61	1.84	0.81	1.85	-0.01
27	1.73	1.13	0.88	0.92	1.63	1.75	0.99	0.10	0.13	0.17	0.15	0.00	-0.03	-0.07	0.06	0.10	0.03	0.23	0.25	0.25	0.38	0.22	0.21	0.34	0.48	1.75	-0.07
28	0.35	0.38	0.53	0.10	0.19	-0.01	0.19	0.16	-0.01	0.02	0.05	0.22	0.20	0.17	0.12	0.23	0.44	1.17	1.17	0.53	0.72	1.09	1.07	1.24	0.43	1.24	-0.01
29	2.96	1.63	1.13	1.18	0.75	0.37	0.27	0.14	0.12	0.28	0.78	0.05	0.03	0.05	0.03	0.31	0.63	1.49	1.48	1.29	1.47	1.29	0.67	1.45	0.83	2.96	0.03
30	0.83	0.70	1.38	1.65	0.45	0.42	0.30	0.18	0.14	0.06	0.07	-0.03	-0.09	-0.06	0.10	0.74	0.73	0.30	0.41	0.59	1.14	1.80	1.78	1.02	0.61	1.80	-0.09
31	0.41	0.85	1.18	0.72	0.59	0.77	0.39	0.29	0.36	0.25	0.09	0.29	0.20	0.17	0.19	0.33	0.93	1.36	0.87	1.07	2.37	1.84	1.34	1.21	0.75	2.37	0.09
Avg	0.69	0.68	0.63	0.63	0.60	0.64	0.59	0.47	0.41	0.29	0.16	0.04	0.03	-0.01	0.05	0.22	0.45	0.63	0.65	0.75	0.77	0.78	0.73	0.87	0.49	1.70	-0.09
Max	2.96	2.51	2.28	2.13	2.03	2.40	2.46	2.22	2.26	1.51	1.04	1.19	2.06	0.66	0.99	1.26	1.85	1.96	2.08	2.05	2.37	2.18	2.29	3.71	1.39	3.71	0.41
Min	-0.18	-0.19	-0.18	-0.18	-0.18	-0.18	-0.19	-0.18	-0.20	-0.21	-0.33	-0.42	-0.45	-0.43	-0.39	-0.28	-0.18	-0.18	-0.18	-0.17	-0.17	-0.15	-0.15	-0.17	-0.14	0.21	-0.45

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
October 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	19	110	69	104	281	569	515	446	130	97	23	16	0	0	0	0	0	0	99	569	0
2	0	0	0	0	0	0	4	110	326	449	469	485	241	297	139	145	94	12	0	0	0	0	0	0	115	485	0
3	0	0	0	0	0	0	2	20	45	117	211	301	299	192	126	111	38	3	0	0	0	0	0	0	61	301	0
4	0	0	0	0	0	0	2	41	98	170	257	297	252	324	379	335	278	54	0	0	0	0	0	0	104	379	0
5	0	0	0	0	0	0	9	57	126	161	226	370	407	279	179	182	91	24	0	0	0	0	0	0	88	407	0
6	0	0	0	0	0	0	2	40	62	165	267	223	293	407	262	223	78	12	0	0	0	0	0	0	85	407	0
7	0	0	0	0	0	0	7	177	266	349	329	295	103	69	48	59	35	10	0	0	0	0	0	0	73	349	0
8	0	0	0	0	0	0	0	25	68	231	294	387	307	328	243	222	163	37	0	0	0	0	0	0	96	387	0
9	0	0	0	0	0	0	6	94	243	475	585	328	260	443	379	148	61	12	0	0	0	0	0	0	126	585	0
10	0	0	0	0	0	0	1	24	170	148	159	629	424	580	485	283	78	7	0	0	0	0	0	0	125	629	0
11	0	0	0	0	0	0	2	52	130	281	441	617	474	376	319	329	161	10	0	0	0	0	0	0	133	617	0
12	0	0	0	0	0	0	3	38	139	432	570	634	629	584	481	339	174	22	0	0	0	0	0	0	169	634	0
13	0	0	0	0	0	0	6	74	248	268	291	231	305	336	426	223	134	12	0	0	0	0	0	0	106	426	0
14	0	0	0	0	0	0	0	8	27	82	100	72	57	65	84	58	25	4	0	0	0	0	0	0	24	100	0
15	0	0	0	0	0	0	2	84	228	205	247	181	157	210	122	124	41	1	0	0	0	0	0	0	67	247	0
16	0	0	0	0	0	0	5	47	43	79	146	447	311	511	358	234	126	14	0	0	0	0	0	0	97	511	0
17	0	0	0	0	0	0	0	18	63	66	145	251	297	143	128	152	79	19	0	0	0	0	0	0	57	297	0
18	0	0	0	0	0	0	3	48	185	100	242	467	472	302	198	110	60	3	0	0	0	0	0	0	91	472	0
19	0	0	0	0	0	0	0	16	52	204	281	464	249	446	327	234	68	9	0	0	0	0	0	0	98	464	0
20	0	0	0	0	0	0	1	91	226	412	470	553	430	192	242	137	24	1	0	0	0	0	0	0	116	553	0
21	0	0	0	0	0	0	1	30	120	160	239	300	216	202	239	193	68	7	0	0	0	0	0	0	74	300	0
22	0	0	0	0	0	0	0	5	69	132	457	492	559	485	354	164	64	3	0	0	0	0	0	0	116	559	0
23	0	0	0	0	0	0	2	53	239	387	504	484	562	417	394	158	51	2	0	0	0	0	0	0	136	562	0
24	0	0	0	0	0	0	0	34	154	266	408	385	431	255	195	83	71	7	0	0	0	0	0	0	95	431	0
25	0	0	0	0	0	0	0	24	153	396	354	439	452	321	372	222	28	2	0	0	0	0	0	0	115	452	0
26	0	0	0	0	0	0	1	17	47	82	91	121	209	246	150	72	28	1	0	0	0	0	0	0	44	246	0
27	0	0	0	0	0	0	0	27	111	259	297	351	251	198	185	83	30	0	0	0	0	0	0	0	75	351	0
28	0	0	0	0	0	0	0	8	36	119	133	239	261	372	206	140	36	1	0	0	0	0	0	0	65	372	0
29	0	0	0	0	0	0	0	13	96	170	446	284	245	139	125	116	35	1	0	0	0	0	0	0	70	446	0
30	0	0	0	0	0	0	0	36	145	230	325	469	384	278	163	86	19	0	0	0	0	0	0	0	89	469	0
31	0	0	0	0	0	0	0	9	25	42	54	65	67	46	45	47	30	1	0	0	0	0	0	0	18	67	0
Avg	0	0	0	0	0	0	3	46	129	217	301	369	326	306	241	165	74	10	0	0	0	0	0	0	91	422	0
Max	0	0	0	0	0	0	19	177	326	475	585	634	629	584	485	339	278	54	0	0	0	0	0	0	169	634	0
Min	0	0	0	0	0	0	0	5	25	42	54	65	57	46	45	47	19	0	0	0	0	0	0	0	18	67	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
November 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	0	10	59	234	310	367	489	421	267	249	24	1	0	0	0	0	0	0	101	489	0
2	0	0	0	0	0	0	0	41	209	374	470	433	319	256	362	74	30	1	0	0	0	0	0	0	107	470	0
3	0	0	0	0	0	0	0	32	67	206	439	441	290	349	338	215	62	0	0	0	0	0	0	0	102	441	0
4	0	0	0	0	0	0	0	35	156	311	370	520	543	449	251	202	66	1	0	0	0	0	0	0	121	543	0
5	0	0	0	0	0	0	0	27	183	321	428	486	491	439	339	207	55	1	0	0	0	0	0	0	124	491	0
6	0	0	0	0	0	0	0	13	66	308	326	478	421	144	104	114	40	1	0	0	0	0	0	0	84	478	0
7	0	0	0	0	0	0	0	19	168	299	408	465	458	400	266	106	32	0	0	0	0	0	0	0	109	465	0
8	0	0	0	0	0	0	0	16	157	209	280	461	438	379	342	191	57	1	0	0	0	0	0	0	105	461	0
9	0	0	0	0	0	0	0	17	159	295	400	451	458	410	312	184	41	0	0	0	0	0	0	0	114	458	0
10	0	0	0	0	0	0	0	16	176	295	393	452	456	408	310	182	39	0	0	0	0	0	0	0	114	456	0
11	0	0	0	0	0	0	0	13	154	298	396	453	455	406	307	179	37	0	0	0	0	0	0	0	112	455	0
12	0	0	0	0	0	0	0	13	161	281	380	436	440	378	201	69	17	0	0	0	0	0	0	0	99	440	0
13	0	0	0	0	0	0	0	11	143	278	380	440	446	395	290	177	21	0	0	0	0	0	0	0	108	446	0
14	0	0	0	0	0	0	0	8	67	178	347	103	360	186	126	124	10	0	0	0	0	0	0	0	63	360	0
15	0	0	0	0	0	0	0	2	21	65	257	138	62	73	50	36	5	0	0	0	0	0	0	0	30	257	0
16	0	0	0	0	0	0	0	13	191	193	188	97	216	258	150	104	17	0	0	0	0	0	0	0	59	258	0
17	0	0	0	0	0	0	0	3	37	69	202	112	64	160	243	197	45	0	0	0	0	0	0	0	47	243	0
18	0	0	0	0	0	0	0	5	70	117	280	434	410	373	250	90	15	0	0	0	0	0	0	0	85	434	0
19	0	0	0	0	0	0	0	3	58	187	186	432	387	209	116	24	6	0	0	0	0	0	0	0	67	432	0
20	0	0	0	0	0	0	0	4	49	114	166	248	175	161	127	42	4	0	0	0	0	0	0	0	45	248	0
21	0	0	0	0	0	0	0	5	52	99	254	330	367	256	170	110	18	0	0	0	0	0	0	0	69	367	0
22	0	0	0	0	0	0	0	3	96	244	276	305	483	308	230	146	19	0	0	0	0	0	0	0	88	483	0
23	0	0	0	0	0	0	0	4	41	78	102	110	179	119	59	22	7	0	0	0	0	0	0	0	30	179	0
24	0	0	0	0	0	0	0	2	62	186	325	389	405	356	263	123	8	0	0	0	0	0	0	0	88	405	0
25	0	0	0	0	0	0	0	2	49	150	294	270	172	148	125	54	8	0	0	0	0	0	0	0	53	294	0
26	0	0	0	0	0	0	0	3	90	222	325	376	393	350	170	71	9	0	0	0	0	0	0	0	84	393	0
27	0	0	0	0	0	0	0	4	110	250	158	152	213	179	190	91	20	0	0	0	0	0	0	0	57	250	0
28	0	0	0	0	0	0	0	2	41	172	134	260	281	158	94	40	6	0	0	0	0	0	0	0	50	281	0
29	0	0	0	0	0	0	0	0	33	107	173	423	418	357	152	168	11	0	0	0	0	0	0	0	77	423	0
30	0	0	0	0	0	0	0	2	60	229	331	384	376	181	55	29	3	0	0	0	0	0	0	0	69	384	0
Avg	0	0	0	0	0	0	0	11	100	212	299	348	356	289	209	121	24	0	0	0	0	0	0	0	82	393	0
Max	0	0	0	0	0	0	0	41	209	374	470	520	543	449	362	249	66	1	0	0	0	0	0	0	124	543	0
Min	0	0	0	0	0	0	0	0	21	65	102	97	62	73	50	22	3	0	0	0	0	0	0	0	30	179	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
December 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	0	0	30	84	159	266	286	179	88	41	7	0	0	0	0	0	0	0	48	286	0
2	0	0	0	0	0	0	0	0	24	152	175	396	290	210	135	82	13	0	0	0	0	0	0	0	62	396	0
3	0	0	0	0	0	0	0	0	20	135	160	206	271	126	138	99	6	0	0	0	0	0	0	0	48	271	0
4	0	0	0	0	0	0	0	0	28	64	91	142	243	315	85	34	6	0	0	0	0	0	0	0	42	315	0
5	0	0	0	0	0	0	0	1	35	108	225	264	202	137	248	102	6	0	0	0	0	0	0	0	55	264	0
6	0	0	0	0	0	0	0	1	29	103	182	298	229	187	125	53	6	0	0	0	0	0	0	0	51	298	0
7	0	0	0	0	0	0	0	0	29	123	247	354	265	207	256	73	9	0	0	0	0	0	0	0	65	354	0
8	0	0	0	0	0	0	0	1	34	142	313	354	382	338	257	112	10	0	0	0	0	0	0	0	81	382	0
9	0	0	0	0	0	0	0	0	15	63	121	238	365	171	133	43	6	0	0	0	0	0	0	0	48	365	0
10	0	0	0	0	0	0	0	0	19	89	117	198	158	124	187	112	12	0	0	0	0	0	0	0	42	198	0
11	0	0	0	0	0	0	0	0	29	94	185	272	221	168	122	114	11	0	0	0	0	0	0	0	51	272	0
12	0	0	0	0	0	0	0	0	32	79	149	178	203	198	152	72	4	0	0	0	0	0	0	0	44	203	0
13	0	0	0	0	0	0	0	0	20	98	107	301	250	167	144	81	10	0	0	0	0	0	0	0	49	301	0
14	0	0	0	0	0	0	0	0	34	147	198	225	313	225	135	68	8	0	0	0	0	0	0	0	56	313	0
15	0	0	0	0	0	0	0	0	10	29	52	69	67	75	79	41	5	0	0	0	0	0	0	0	18	79	0
16	0	0	0	0	0	0	0	0	9	52	88	144	183	171	149	68	9	0	0	0	0	0	0	0	36	183	0
17	0	0	0	0	0	0	0	1	47	194	294	360	379	334	230	103	8	0	0	0	0	0	0	0	81	379	0
18	0	0	0	0	0	0	0	1	21	139	248	242	220	224	182	79	8	0	0	0	0	0	0	0	57	248	0
19	0	0	0	0	0	0	0	0	13	82	169	134	158	108	60	45	3	0	0	0	0	0	0	0	32	169	0
20	0	0	0	0	0	0	0	0	13	48	74	84	72	111	82	66	8	0	0	0	0	0	0	0	23	111	0
21	0	0	0	0	0	0	0	0	30	162	Au	Au	Au	Au	Au	128	14	0	0	0	0	0	0	0	18	162	0
22	0	0	0	0	0	0	0	0	37	187	294	350	382	360	262	100	17	0	0	0	0	0	0	0	83	382	0
23	0	0	0	0	0	0	0	0	26	102	260	379	280	92	68	41	9	0	0	0	0	0	0	0	52	379	0
24	0	0	0	0	0	0	0	0	16	69	106	96	123	80	47	29	7	0	0	0	0	0	0	0	24	123	0
25	0	0	0	0	0	0	0	0	11	46	82	138	198	247	216	75	7	0	0	0	0	0	0	0	43	247	0
26	0	0	0	0	0	0	0	0	18	152	175	335	389	326	256	129	16	0	0	0	0	0	0	0	75	389	0
27	0	0	0	0	0	0	0	0	18	84	153	153	130	164	147	65	9	0	0	0	0	0	0	0	38	164	0
28	0	0	0	0	0	0	0	0	19	105	181	250	344	197	338	96	21	0	0	0	0	0	0	0	65	344	0
29	0	0	0	0	0	0	0	0	16	79	135	157	141	151	194	131	22	0	0	0	0	0	0	0	43	194	0
30	0	0	0	0	0	0	0	0	7	31	44	104	103	91	76	51	6	0	0	0	0	0	0	0	21	104	0
31	0	0	0	0	0	0	0	0	34	172	281	354	376	344	264	145	22	0	0	0	0	0	0	0	83	376	0
Avg	0	0	0	0	0	0	0	0	23	104	169	235	241	194	162	80	10	0	0	0	0	0	0	0	50	266	0
Max	0	0	0	0	0	0	0	1	47	194	313	396	389	360	338	145	22	0	0	0	0	0	0	0	83	396	0
Min	0	0	0	0	0	0	0	0	7	29	44	69	67	75	47	29	3	0	0	0	0	0	0	0	18	79	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
October 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.42	24.41	24.40	24.40	24.39	24.38	24.37	24.37	24.36	24.40	24.38	24.36	24.34	24.32	24.32	24.38	24.37	24.37	24.36	24.36	24.36	24.39	24.40	24.41	24.38	24.42	24.32
2	24.41	24.41	24.40	24.39	24.40	24.39	24.40	24.40	24.40	24.38	24.38	24.36	24.33	24.32	24.30	24.29	24.27	24.26	24.25	24.24	24.23	24.21	24.20	24.18	24.33	24.41	24.18
3	24.15	24.15	24.13	24.12	24.09	24.10	24.09	24.08	24.08	24.08	24.08	24.07	24.06	24.05	24.05	24.06	24.07	24.08	24.09	24.09	24.10	24.10	24.10	24.10	24.09	24.15	24.05
4	24.09	24.09	24.08	24.09	24.09	24.10	24.10	24.12	24.14	24.16	24.18	24.18	24.19	24.19	24.19	24.20	24.20	24.20	24.20	24.21	24.20	24.20	24.20	24.20	24.16	24.21	24.08
5	24.21	24.21	24.21	24.21	24.22	24.23	24.23	24.25	24.26	24.27	24.27	24.27	24.28	24.28	24.28	24.29	24.31	24.32	24.33	24.34	24.35	24.35	24.36	24.36	24.28	24.36	24.21
6	24.36	24.36	24.36	24.36	24.37	24.37	24.39	24.40	24.42	24.43	24.44	24.45	24.45	24.45	24.45	24.45	24.46	24.47	24.48	24.49	24.49	24.49	24.48	24.48	24.43	24.49	24.36
7	24.48	24.48	24.47	24.46	24.46	24.46	24.45	24.45	24.46	24.45	24.44	24.42	24.41	24.40	24.40	24.39	24.39	24.38	24.39	24.40	24.40	24.42	24.43	24.44	24.43	24.48	24.38
8	24.45	24.47	24.47	24.47	24.48	24.49	24.50	24.50	24.50	24.50	24.49	24.49	24.48	24.46	24.45	24.44	24.43	24.43	24.42	24.42	24.41	24.40	24.39	24.38	24.45	24.50	24.38
9	24.36	24.35	24.35	24.33	24.31	24.31	24.30	24.30	24.29	24.29	24.28	24.29	24.29	24.29	24.28	24.28	24.29	24.29	24.30	24.30	24.30	24.30	24.30	24.29	24.30	24.36	24.28
10	24.28	24.26	24.24	24.22	24.20	24.18	24.17	24.17	24.18	24.20	24.26	24.29	24.30	24.31	24.32	24.32	24.34	24.35	24.36	24.37	24.37	24.38	24.37	24.36	24.28	24.38	24.17
11	24.36	24.35	24.35	24.35	24.36	24.38	24.40	24.41	24.43	24.45	24.46	24.47	24.48	24.47	24.48	24.49	24.50	24.51	24.51	24.52	24.53	24.53	24.53	24.53	24.45	24.53	24.35
12	24.52	24.51	24.50	24.50	24.49	24.48	24.47	24.46	24.44	24.45	24.46	24.45	24.45	24.43	24.42	24.42	24.41	24.39	24.39	24.39	24.38	24.39	24.38	24.38	24.44	24.52	24.38
13	24.37	24.36	24.36	24.36	24.35	24.33	24.32	24.31	24.32	24.31	24.28	24.27	24.25	24.21	24.18	24.16	24.17	24.16	24.14	24.12	24.11	24.10	24.09	24.08	24.24	24.37	24.08
14	24.07	24.05	24.03	24.01	23.99	23.98	23.96	23.96	23.96	23.96	23.97	23.96	23.99	24.04	24.06	24.07	24.09	24.10	24.10	24.10	24.10	24.10	24.09	24.10	24.04	24.10	23.96
15	24.11	24.11	24.11	24.11	24.12	24.11	24.11	24.13	24.15	24.16	24.16	24.15	24.13	24.12	24.11	24.11	24.09	24.08	24.06	24.04	24.02	23.99	23.97	23.94	24.09	24.16	23.94
16	23.91	23.89	23.87	23.88	23.88	23.89	23.90	23.92	23.96	23.98	24.00	24.02	24.02	24.01	24.00	24.01	24.00	23.98	23.98	23.98	23.95	23.93	23.92	23.92	23.95	24.02	23.87
17	23.92	23.91	23.90	23.89	23.90	23.89	23.90	23.92	23.94	23.96	23.99	24.02	24.05	24.08	24.10	24.11	24.12	24.14	24.16	24.18	24.19	24.20	24.21	24.22	24.04	24.22	23.89
18	24.22	24.23	24.23	24.24	24.24	24.25	24.26	24.27	24.28	24.29	24.29	24.30	24.29	24.29	24.28	24.29	24.30	24.31	24.33	24.35	24.37	24.39	24.40	24.41	24.30	24.41	24.22
19	24.43	24.44	24.46	24.47	24.48	24.50	24.52	24.54	24.55	24.57	24.58	24.60	24.60	24.60	24.61	24.62	24.62	24.62	24.63	24.64	24.63	24.63	24.63	24.62	24.57	24.64	24.43
20	24.61	24.61	24.60	24.59	24.57	24.56	24.55	24.53	24.53	24.53	24.51	24.50	24.47	24.46	24.45	24.44	24.44	24.42	24.41	24.39	24.38	24.38	24.37	24.38	24.49	24.61	24.37
21	24.38	24.39	24.38	24.39	24.40	24.40	24.40	24.42	24.43	24.43	24.43	24.41	24.39	24.37	24.36	24.34	24.33	24.31	24.30	24.29	24.28	24.27	24.26	24.24	24.36	24.43	24.24
22	24.23	24.21	24.21	24.20	24.20	24.20	24.21	24.25	24.30	24.31	24.32	24.33	24.33	24.33	24.34	24.35	24.36	24.36	24.37	24.37	24.37	24.37	24.38	24.39	24.30	24.39	24.20
23	24.39	24.40	24.40	24.40	24.41	24.42	24.42	24.43	24.45	24.45	24.45	24.44	24.43	24.42	24.42	24.42	24.43	24.43	24.44	24.44	24.44	24.44	24.44	24.44	24.43	24.45	24.39
24	24.44	24.44	24.43	24.41	24.41	24.40	24.39	24.39	24.40	24.40	24.40	24.39	24.38	24.37	24.36	24.36	24.35	24.35	24.34	24.34	24.34	24.34	24.33	24.33	24.38	24.44	24.33
25	24.33	24.33	24.33	24.33	24.34	24.35	24.35	24.37	24.39	24.39	24.39	24.39	24.40	24.40	24.41	24.41	24.42	24.42	24.43	24.44	24.45	24.46	24.46	24.46	24.39	24.46	24.33
26	24.46	24.46	24.46	24.45	24.45	24.45	24.45	24.46	24.46	24.46	24.46	24.46	24.45	24.43	24.43	24.43	24.43	24.42	24.42	24.42	24.41	24.41	24.40	24.40	24.44	24.46	24.40
27	24.39	24.38	24.38	24.36	24.36	24.35	24.34	24.33	24.33	24.32	24.30	24.28	24.26	24.24	24.23	24.23	24.23	24.22	24.21	24.21	24.22	24.23	24.22	24.22	24.29	24.39	24.21
28	24.22	24.22	24.23	24.24	24.25	24.26	24.28	24.29	24.30	24.32	24.35	24.35	24.34	24.35	24.35	24.35	24.35	24.36	24.36	24.37	24.38	24.38	24.38	24.37	24.32	24.38	24.22
29	24.38	24.37	24.38	24.39	24.39	24.41	24.42	24.42	24.44	24.45	24.44	24.44	24.42	24.42	24.42	24.42	24.41	24.41	24.40	24.40	24.40	24.39	24.38	24.36	24.41	24.45	24.36
30	24.35	24.34	24.33	24.32	24.31	24.31	24.32	24.32	24.33	24.32	24.30	24.27	24.25	24.22	24.19	24.17	24.15	24.12	24.09	24.06	24.03	24.00	23.99	23.98	24.21	24.35	23.98
31	23.97	23.97	23.96	23.96	23.98	24.00	24.03	24.03	24.03	24.04	24.05	24.07	24.07	24.09	24.10	24.12	24.14	24.15	24.16	24.16	24.17	24.17	24.16	24.17	24.07	24.17	23.96
Avg	24.30	24.30	24.29	24.29	24.29	24.29	24.29	24.30	24.31	24.31	24.32	24.31	24.31	24.30	24.30	24.30	24.31	24.30	24.30	24.30	24.30	24.30	24.30	24.29	24.30	24.38	24.21
Max	24.61	24.61	24.60	24.59	24.57	24.56	24.55	24.54	24.55	24.57	24.58	24.60	24.60	24.60	24.61	24.62	24.62	24.62	24.63	24.64	24.63	24.63	24.63	24.62	24.57	24.64	24.43
Min	23.91	23.89	23.87	23.88	23.88	23.89	23.90	23.92	23.94	23.96	23.97	23.96	23.99	24.01	24.00	24.01	24.00	23.98	23.98	23.98	23.95	23.93	23.92	23.92	23.95	24.02	23.87

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
November 2016

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	24.16	24.16	24.17	24.17	24.17	24.17	24.16	24.19	24.22	24.25	24.27	24.27	24.27	24.27	24.28	24.30	24.31	24.32	24.33	24.34	24.36	24.39	24.42	24.43	24.27	24.43	24.16
2	24.44	24.45	24.44	24.44	24.45	24.46	24.48	24.50	24.53	24.55	24.55	24.55	24.55	24.55	24.55	24.55	24.55	24.55	24.55	24.56	24.57	24.59	24.60	24.61	24.53	24.61	24.44
3	24.62	24.62	24.62	24.62	24.62	24.63	24.64	24.65	24.67	24.69	24.70	24.71	24.71	24.70	24.70	24.69	24.68	24.67	24.67	24.67	24.67	24.66	24.65	24.64	24.66	24.71	24.62
4	24.63	24.63	24.62	24.62	24.62	24.61	24.61	24.60	24.61	24.62	24.61	24.60	24.58	24.56	24.55	24.55	24.55	24.54	24.55	24.56	24.56	24.56	24.55	24.55	24.58	24.63	24.54
5	24.54	24.54	24.54	24.53	24.52	24.52	24.51	24.51	24.51	24.50	24.48	24.45	24.42	24.40	24.39	24.38	24.37	24.36	24.35	24.34	24.33	24.32	24.31	24.30	24.43	24.54	24.30
6	24.29	24.28	24.27	24.27	24.27	24.26	24.26	24.26	24.27	24.29	24.29	24.29	24.28	24.29	24.31	24.33	24.36	24.38	24.40	24.42	24.43	24.43	24.46	24.47	24.33	24.47	24.26
7	24.49	24.50	24.52	24.53	24.54	24.56	24.57	24.58	24.60	24.62	24.63	24.64	24.63	24.62	24.61	24.63	24.65	24.65	24.66	24.67	24.66	24.67	24.68	24.68	24.61	24.68	24.49
8	24.68	24.67	24.67	24.67	24.67	24.67	24.67	24.67	24.68	24.69	24.69	24.68	24.66	24.64	24.63	24.63	24.63	24.63	24.62	24.62	24.62	24.61	24.61	24.60	24.65	24.69	24.60
9	24.59	24.58	24.58	24.57	24.56	24.56	24.55	24.56	24.58	24.59	24.57	24.56	24.55	24.54	24.53	24.53	24.54	24.54	24.55	24.56	24.57	24.58	24.59	24.60	24.56	24.60	24.53
10	24.61	24.63	24.64	24.65	24.66	24.68	24.68	24.69	24.71	24.72	24.72	24.70	24.69	24.68	24.67	24.66	24.66	24.65	24.65	24.65	24.65	24.64	24.63	24.62	24.66	24.72	24.61
11	24.61	24.60	24.60	24.58	24.57	24.56	24.55	24.55	24.55	24.56	24.55	24.53	24.50	24.48	24.47	24.46	24.47	24.46	24.46	24.46	24.45	24.44	24.44	24.43	24.51	24.61	24.43
12	24.42	24.41	24.40	24.40	24.39	24.38	24.38	24.38	24.39	24.39	24.38	24.36	24.33	24.32	24.31	24.32	24.32	24.32	24.33	24.32	24.32	24.34	24.37	24.38	24.36	24.42	24.31
13	24.40	24.40	24.41	24.41	24.41	24.41	24.43	24.44	24.47	24.48	24.47	24.46	24.44	24.44	24.45	24.44	24.42	24.40	24.41	24.39	24.37	24.36	24.35	24.35	24.42	24.48	24.35
14	24.37	24.36	24.36	24.35	24.36	24.36	24.34	24.33	24.33	24.31	24.31	24.31	24.29	24.28	24.27	24.27	24.29	24.29	24.31	24.32	24.34	24.34	24.35	24.36	24.32	24.37	24.27
15	24.36	24.34	24.33	24.32	24.32	24.30	24.29	24.27	24.25	24.25	24.24	24.21	24.21	24.20	24.16	24.14	24.13	24.12	24.09	24.07	24.07	24.07	24.09	24.10	24.21	24.36	24.07
16	24.11	24.10	24.10	24.10	24.09	24.10	24.09	24.09	24.10	24.10	24.10	24.10	24.10	24.09	24.09	24.09	24.11	24.12	24.14	24.15	24.15	24.16	24.17	24.18	24.11	24.18	24.09
17	24.18	24.18	24.19	24.20	24.21	24.22	24.23	24.26	24.27	24.29	24.31	24.32	24.33	24.33	24.36	24.38	24.39	24.42	24.44	24.46	24.47	24.48	24.49	24.50	24.33	24.50	24.18
18	24.50	24.51	24.52	24.52	24.53	24.54	24.54	24.55	24.55	24.54	24.55	24.54	24.52	24.51	24.49	24.49	24.47	24.46	24.46	24.46	24.45	24.44	24.42	24.39	24.50	24.55	24.39
19	24.38	24.36	24.34	24.33	24.32	24.31	24.30	24.30	24.29	24.29	24.29	24.28	24.26	24.25	24.24	24.24	24.24	24.24	24.25	24.26	24.25	24.24	24.25	24.27	24.28	24.38	24.24
20	24.26	24.26	24.26	24.26	24.26	24.26	24.27	24.27	24.28	24.29	24.29	24.28	24.26	24.25	24.23	24.23	24.22	24.21	24.20	24.18	24.17	24.16	24.15	24.14	24.23	24.29	24.14
21	24.12	24.12	24.13	24.12	24.12	24.13	24.15	24.15	24.16	24.16	24.18	24.17	24.16	24.15	24.14	24.15	24.16	24.17	24.18	24.20	24.21	24.22	24.24	24.26	24.16	24.26	24.12
22	24.27	24.28	24.30	24.31	24.33	24.34	24.37	24.38	24.38	24.40	24.41	24.40	24.39	24.38	24.38	24.38	24.38	24.37	24.37	24.37	24.36	24.36	24.35	24.34	24.36	24.41	24.27
23	24.33	24.31	24.30	24.27	24.26	24.24	24.23	24.23	24.23	24.23	24.23	24.22	24.20	24.19	24.18	24.19	24.19	24.19	24.20	24.22	24.24	24.26	24.29	24.32	24.24	24.33	24.18
24	24.34	24.36	24.38	24.40	24.42	24.43	24.44	24.45	24.46	24.47	24.48	24.47	24.45	24.44	24.43	24.43	24.42	24.42	24.42	24.41	24.41	24.40	24.40	24.40	24.42	24.48	24.34
25	24.39	24.38	24.37	24.36	24.35	24.34	24.33	24.32	24.32	24.33	24.33	24.32	24.30	24.29	24.28	24.29	24.29	24.31	24.31	24.32	24.32	24.32	24.32	24.32	24.33	24.39	24.28
26	24.32	24.31	24.31	24.30	24.30	24.28	24.28	24.27	24.26	24.26	24.25	24.22	24.19	24.16	24.13	24.12	24.09	24.07	24.04	24.02	24.00	23.97	23.96	23.93	24.17	24.32	23.93
27	23.91	23.88	23.85	23.84	23.82	23.81	23.81	23.82	23.82	23.82	23.82	23.81	23.81	23.81	23.82	23.83	23.84	23.85	23.85	23.84	23.83	23.82	23.81	23.81	23.83	23.91	23.81
28	23.79	23.77	23.76	23.76	23.76	23.77	23.78	23.79	23.80	23.81	23.82	23.83	23.84	23.86	23.87	23.90	23.92	23.95	23.97	23.98	24.01	24.02	24.04	24.06	23.87	24.06	23.76
29	24.08	24.09	24.11	24.12	24.13	24.15	24.18	24.19	24.20	24.23	24.25	24.26	24.26	24.27	24.27	24.28	24.29	24.31	24.32	24.32	24.31	24.31	24.30	24.29	24.23	24.32	24.08
30	24.28	24.27	24.26	24.25	24.23	24.22	24.21	24.20	24.20	24.20	24.19	24.19	24.18	24.15	24.15	24.15	24.15	24.16	24.16	24.16	24.16	24.16	24.17	24.18	24.19	24.28	24.15
Avg	24.35	24.34	24.34	24.34	24.34	24.34	24.34	24.35	24.36	24.36	24.37	24.36	24.35	24.34	24.33	24.33	24.34	24.34	24.34	24.34	24.34	24.34	24.35	24.35	24.35	24.43	24.26
Max	24.68	24.67	24.67	24.67	24.67	24.68	24.68	24.69	24.71	24.72	24.72	24.71	24.71	24.70	24.70	24.69	24.68	24.67	24.67	24.67	24.67	24.67	24.68	24.68	24.66	24.72	24.62
Min	23.79	23.77	23.76	23.76	23.76	23.77	23.78	23.79	23.80	23.81	23.82	23.81	23.81	23.81	23.82	23.83	23.84	23.85	23.85	23.84	23.83	23.82	23.81	23.81	23.83	23.91	23.76

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
December 2016

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	24.19	24.20	24.21	24.21	24.20	24.20	24.20	24.20	24.21	24.21	24.23	24.23	24.22	24.22	24.22	24.23	24.25	24.26	24.27	24.28	24.30	24.31	24.32	24.33	24.24	24.33	24.19
2	24.35	24.36	24.37	24.38	24.38	24.39	24.40	24.40	24.41	24.42	24.42	24.41	24.38	24.36	24.34	24.33	24.32	24.31	24.31	24.30	24.29	24.27	24.25	24.22	24.35	24.42	24.22
3	24.21	24.20	24.20	24.20	24.19	24.19	24.19	24.18	24.20	24.20	24.21	24.21	24.21	24.22	24.21	24.22	24.24	24.24	24.23	24.23	24.22	24.22	24.22	24.21	24.21	24.24	24.18
4	24.21	24.20	24.18	24.15	24.13	24.11	24.09	24.07	24.05	24.03	24.01	23.98	23.94	23.90	23.88	23.87	23.87	23.88	23.88	23.90	23.90	23.92	23.94	23.95	24.00	24.21	23.87
5	23.95	23.99	24.02	24.02	24.04	24.07	24.09	24.11	24.14	24.16	24.17	24.17	24.18	24.18	24.19	24.20	24.20	24.20	24.20	24.21	24.22	24.22	24.22	24.22	24.14	24.22	23.95
6	24.21	24.21	24.21	24.22	24.21	24.21	24.21	24.21	24.21	24.22	24.23	24.21	24.20	24.20	24.20	24.21	24.23	24.25	24.27	24.29	24.30	24.30	24.32	24.33	24.24	24.33	24.20
7	24.35	24.36	24.39	24.40	24.41	24.43	24.44	24.45	24.48	24.50	24.52	24.51	24.51	24.52	24.52	24.53	24.53	24.54	24.55	24.56	24.56	24.56	24.56	24.55	24.49	24.56	24.35
8	24.54	24.54	24.54	24.53	24.52	24.51	24.51	24.51	24.50	24.51	24.49	24.47	24.44	24.42	24.41	24.40	24.39	24.38	24.38	24.36	24.34	24.34	24.34	24.34	24.45	24.54	24.34
9	24.33	24.34	24.34	24.35	24.34	24.33	24.33	24.34	24.34	24.35	24.35	24.34	24.31	24.29	24.28	24.28	24.27	24.26	24.25	24.23	24.22	24.20	24.20	24.18	24.29	24.35	24.18
10	24.16	24.15	24.13	24.10	24.08	24.06	24.03	24.01	23.99	23.97	23.96	23.94	23.94	23.93	23.95	23.98	24.00	24.02	24.03	24.04	24.05	24.07	24.08	24.10	24.03	24.16	23.93
11	24.11	24.12	24.13	24.14	24.14	24.14	24.14	24.13	24.14	24.14	24.13	24.11	24.09	24.08	24.07	24.07	24.07	24.07	24.06	24.05	24.04	24.02	24.02	24.01	24.09	24.14	24.01
12	24.02	24.04	24.05	24.05	24.05	24.06	24.08	24.10	24.12	24.15	24.16	24.17	24.17	24.16	24.17	24.19	24.21	24.21	24.22	24.23	24.23	24.23	24.23	24.23	24.15	24.23	24.02
13	24.24	24.24	24.24	24.23	24.22	24.22	24.22	24.21	24.21	24.22	24.23	24.21	24.20	24.20	24.20	24.22	24.24	24.25	24.26	24.28	24.30	24.32	24.33	24.35	24.24	24.35	24.20
14	24.36	24.35	24.37	24.36	24.36	24.36	24.36	24.36	24.37	24.40	24.40	24.39	24.37	24.33	24.32	24.31	24.30	24.29	24.26	24.25	24.23	24.20	24.18	24.16	24.32	24.40	24.16
15	24.13	24.11	24.09	24.07	24.05	24.02	24.01	24.01	24.02	24.02	24.02	24.02	24.01	24.01	24.02	24.04	24.04	24.06	24.06	24.07	24.07	24.06	24.06	24.06	24.05	24.13	24.01
16	24.04	24.03	24.03	24.01	23.99	23.98	23.97	23.98	23.99	24.00	24.02	24.02	24.01	24.02	24.04	24.05	24.07	24.08	24.10	24.11	24.11	24.11	24.10	24.11	24.04	24.11	23.97
17	24.10	24.09	24.10	24.11	24.11	24.11	24.11	24.12	24.13	24.17	24.20	24.20	24.18	24.17	24.18	24.19	24.20	24.19	24.19	24.19	24.20	24.19	24.20	24.23	24.16	24.23	24.09
18	24.26	24.28	24.29	24.31	24.32	24.33	24.32	24.33	24.35	24.37	24.38	24.38	24.37	24.37	24.38	24.39	24.39	24.41	24.41	24.42	24.43	24.42	24.42	24.41	24.36	24.43	24.26
19	24.39	24.37	24.37	24.37	24.32	24.27	24.27	24.27	24.24	24.21	24.20	24.20	24.19	24.18	24.19	24.17	24.20	24.23	24.24	24.28	24.30	24.32	24.32	24.33	24.27	24.39	24.17
20	24.34	24.35	24.35	24.33	24.31	24.29	24.27	24.24	24.23	24.23	24.24	24.22	24.20	24.16	24.13	24.10	24.08	24.11	24.15	24.18	24.20	24.24	24.27	24.30	24.23	24.35	24.08
21	24.32	24.35	24.38	24.40	24.42	24.45	24.47	24.48	24.49	24.50	Au	Au	Au	Au	Au	24.49	24.49	24.50	24.51	24.51	24.50	24.50	24.49	24.49	24.46	24.51	24.32
22	24.48	24.47	24.46	24.45	24.44	24.41	24.39	24.37	24.37	24.36	24.32	24.29	24.26	24.22	24.19	24.16	24.14	24.14	24.13	24.12	24.10	24.10	24.11	24.11	24.27	24.48	24.10
23	24.11	24.11	24.11	24.11	24.10	24.09	24.10	24.09	24.09	24.09	24.08	24.06	24.03	24.01	24.01	24.01	24.01	24.00	23.99	24.00	24.00	24.00	24.00	24.02	24.05	24.11	23.99
24	24.01	23.99	24.00	24.01	24.00	24.00	24.00	23.99	24.00	24.00	23.99	23.96	23.95	23.92	23.91	23.93	23.94	23.96	23.96	23.97	23.97	23.98	23.99	23.99	23.98	24.01	23.91
25	24.00	24.00	24.01	24.03	24.03	24.04	24.06	24.06	24.06	24.08	24.10	24.11	24.10	24.09	24.10	24.13	24.15	24.16	24.16	24.16	24.16	24.17	24.18	24.19	24.10	24.19	24.00
26	24.20	24.21	24.23	24.24	24.24	24.25	24.26	24.26	24.27	24.27	24.29	24.29	24.29	24.29	24.29	24.31	24.32	24.33	24.35	24.35	24.34	24.33	24.33	24.32	24.29	24.35	24.20
27	24.29	24.28	24.28	24.25	24.22	24.18	24.18	24.16	24.15	24.13	24.13	24.12	24.09	24.07	24.04	24.05	24.06	24.07	24.06	24.06	24.07	24.10	24.12	24.14	24.14	24.29	24.04
28	24.14	24.15	24.16	24.16	24.17	24.18	24.19	24.21	24.23	24.26	24.27	24.29	24.31	24.33	24.36	24.38	24.41	24.44	24.46	24.47	24.49	24.52	24.54	24.57	24.32	24.57	24.14
29	24.59	24.59	24.60	24.59	24.59	24.57	24.57	24.55	24.54	24.52	24.51	24.48	24.45	24.41	24.39	24.37	24.35	24.31	24.29	24.27	24.25	24.24	24.22	24.19	24.44	24.60	24.19
30	24.16	24.13	24.11	24.10	24.07	24.06	24.09	24.09	24.09	24.11	24.12	24.11	24.11	24.09	24.09	24.10	24.12	24.13	24.13	24.14	24.14	24.13	24.13	24.12	24.11	24.16	24.06
31	24.11	24.10	24.10	24.10	24.09	24.09	24.08	24.08	24.07	24.06	24.06	24.05	24.03	24.02	24.02	24.00	23.98	23.98	23.98	23.98	23.97	23.96	23.95	23.95	24.03	24.11	23.95
Avg	24.22	24.22	24.23	24.23	24.22	24.21	24.21	24.21	24.22	24.22	24.21	24.20	24.19	24.18	24.18	24.19	24.20	24.20	24.20	24.21	24.21	24.21	24.21	24.22	24.21	24.31	24.11
Max	24.59	24.59	24.60	24.59	24.59	24.57	24.57	24.55	24.54	24.52	24.52	24.51	24.51	24.52	24.52	24.53	24.53	24.54	24.55	24.56	24.56	24.56	24.56	24.57	24.49	24.60	24.35
Min	23.95	23.99	24.00	24.01	23.99	23.98	23.97	23.98	23.99	23.97	23.96	23.94	23.94	23.90	23.88	23.87	23.87	23.88	23.88	23.90	23.90	23.92	23.94	23.95	23.98	24.01	23.87

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
October 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	87.5	88.7	90.4	89.7	92.9	88.4	86.2	80.1	83.3	67.5	65.0	50.7	46.0	43.5	56.2	88.5	88.7	90.8	89.3	93.2	94.4	95.1	94.4	94.5	81.0	95.1	43.5
2	94.7	95.2	95.4	95.5	95.6	95.5	95.7	95.9	91.8	73.0	60.9	55.6	52.7	52.6	62.8	71.0	68.8	72.7	76.3	83.9	87.7	90.5	91.7	92.8	81.2	95.9	52.6
3	94.5	95.3	95.5	95.2	95.6	93.5	90.2	87.4	84.6	86.3	80.4	76.7	81.6	85.0	82.0	83.5	83.0	84.3	86.1	86.3	87.0	84.4	86.4	86.5	87.1	95.6	76.7
4	85.8	84.4	88.3	84.3	81.7	84.7	84.4	86.8	86.7	86.3	87.9	87.2	85.4	83.8	76.8	71.2	66.8	72.4	75.1	85.3	88.7	89.4	89.5	90.2	83.5	90.2	66.8
5	89.4	86.6	88.7	92.2	92.6	91.8	87.4	82.1	78.8	81.1	83.7	82.1	80.0	79.9	78.1	75.6	73.9	76.2	79.2	81.3	81.8	83.7	86.1	87.9	83.3	92.6	73.9
6	89.7	88.7	88.0	87.2	87.7	87.6	87.3	86.8	84.3	81.9	75.4	74.1	72.2	70.0	64.7	64.9	70.0	75.8	80.2	86.4	90.6	91.5	92.9	92.5	82.1	92.9	64.7
7	92.7	92.6	93.0	93.1	92.7	92.0	92.3	89.5	76.6	65.0	62.0	58.0	56.8	59.4	61.2	57.7	60.3	64.2	70.1	74.4	83.7	86.3	89.3	89.2	77.2	93.1	56.8
8	89.8	89.8	89.4	89.6	90.1	91.0	92.3	91.2	89.8	82.9	70.2	63.2	53.3	49.1	46.9	44.4	42.3	46.4	58.4	66.0	62.2	67.0	70.8	71.2	71.1	92.3	42.3
9	68.3	71.3	59.9	60.9	53.8	51.4	50.3	45.3	41.0	36.0	32.7	33.1	34.7	33.3	33.3	36.4	39.3	46.2	58.0	67.4	73.3	76.0	75.1	82.6	52.5	82.6	32.7
10	84.8	82.0	83.7	87.7	88.7	88.5	88.2	86.7	87.8	81.6	79.7	71.4	66.9	57.8	60.6	68.6	81.6	81.4	77.6	81.4	88.3	90.0	91.0	91.0	81.1	91.0	57.8
11	90.6	90.4	90.2	89.8	88.1	87.3	88.2	85.9	82.8	76.9	74.5	78.6	81.8	82.8	79.5	74.8	75.7	82.3	86.6	87.8	86.6	84.9	83.7	82.6	83.8	90.6	74.5
12	81.7	81.7	81.1	81.1	81.1	80.3	80.4	83.0	80.4	70.8	62.0	48.9	41.2	38.5	36.6	35.5	35.5	72.5	82.1	84.8	85.4	88.4	88.5	88.6	70.4	88.6	35.5
13	89.6	89.3	88.6	88.1	88.2	88.7	88.5	86.8	82.1	76.5	58.1	40.9	37.3	37.6	34.9	36.0	36.7	41.6	45.6	48.3	45.7	42.9	42.2	43.0	60.7	89.6	34.9
14	45.7	48.7	52.2	53.6	49.1	47.2	42.6	40.7	41.3	40.9	46.5	42.3	64.8	82.4	80.8	78.8	79.1	76.5	83.0	87.6	90.3	89.9	84.5	72.3	63.4	90.3	40.7
15	76.3	85.4	80.1	81.0	84.3	84.0	84.6	80.7	66.2	60.7	53.1	51.4	48.4	44.7	41.0	42.8	50.3	58.1	64.2	65.3	66.5	67.6	60.1	62.6	65.0	85.4	41.0
16	65.6	63.6	73.3	86.8	89.7	91.6	81.8	74.5	85.9	84.0	79.2	67.3	67.8	54.9	50.5	46.1	44.0	61.7	76.2	80.6	83.5	86.5	87.4	88.6	73.8	91.6	44.0
17	88.8	88.8	88.7	84.9	85.4	85.0	87.2	86.5	87.3	87.0	89.3	85.7	73.2	71.9	70.4	66.6	70.4	89.5	91.7	88.6	90.8	91.7	91.3	82.3	84.3	91.7	66.6
18	82.9	80.8	82.3	75.7	73.7	70.9	75.9	81.8	69.2	64.4	60.3	56.1	52.9	49.5	49.0	46.3	49.4	55.4	67.5	76.8	82.9	90.7	90.9	87.4	69.7	90.9	46.3
19	85.1	84.9	83.8	85.7	81.1	80.2	81.8	83.0	81.6	78.2	74.3	70.4	65.6	61.1	59.5	60.0	61.3	61.8	66.5	77.3	82.5	86.3	88.2	88.8	76.2	88.8	59.5
20	88.5	88.1	88.1	87.8	88.1	87.9	87.0	85.3	72.9	51.5	42.5	37.7	36.1	39.6	39.8	40.3	43.2	46.3	49.1	51.8	55.8	63.2	59.1	50.9	61.7	88.5	36.1
21	49.6	54.0	63.2	67.7	69.6	71.5	77.6	79.8	71.9	63.3	57.6	53.3	52.1	49.7	47.9	47.2	50.4	62.7	74.0	77.1	79.4	80.5	83.1	84.1	65.3	84.1	47.2
22	85.6	84.2	82.7	84.5	77.0	62.7	62.4	77.1	89.6	86.2	71.5	60.1	52.5	50.8	45.8	45.7	47.4	58.8	72.0	77.0	77.4	79.7	80.2	82.3	70.6	89.6	45.7
23	66.9	68.5	64.5	63.9	64.0	63.4	64.8	65.2	57.7	49.2	43.7	39.0	35.6	31.8	31.5	33.4	39.6	51.0	55.5	56.7	70.2	73.9	81.6	83.0	56.4	83.0	31.5
24	84.3	84.5	85.3	86.9	87.9	89.4	87.8	87.1	83.2	69.3	40.7	29.5	33.5	35.5	39.0	44.9	52.1	61.3	75.4	82.2	82.6	81.2	80.0	81.0	69.4	89.4	29.5
25	85.2	86.6	89.3	88.2	86.0	90.5	90.7	91.4	85.9	73.3	55.9	49.7	47.6	47.4	45.7	46.8	54.1	65.7	72.2	79.9	83.3	83.7	88.6	90.5	74.1	91.4	45.7
26	91.4	91.1	91.7	91.7	90.5	90.0	90.8	91.8	91.3	88.5	81.2	68.6	59.7	51.2	49.6	49.5	55.7	69.4	71.6	69.4	68.3	66.6	72.7	78.4	75.9	91.8	49.5
27	78.2	79.4	81.2	85.0	86.3	86.8	86.3	86.9	87.0	60.8	39.8	35.9	36.7	37.3	37.6	38.9	40.3	38.2	41.5	41.7	42.7	42.2	40.1	48.8	57.5	87.0	35.9
28	54.1	50.1	49.5	58.9	65.2	77.5	86.3	91.2	91.6	81.0	78.2	70.8	60.8	51.2	44.4	39.9	49.7	59.5	69.2	75.7	79.3	82.9	82.7	82.5	68.0	91.6	39.9
29	82.4	82.9	84.9	85.8	88.4	89.7	89.5	88.2	84.8	80.5	72.3	77.3	74.3	75.3	74.8	72.8	75.4	81.4	84.5	86.1	89.9	92.3	93.4	93.3	83.3	93.4	72.3
30	93.6	92.6	92.8	92.5	92.5	92.4	92.1	91.6	84.6	82.8	73.3	42.4	39.9	44.2	48.1	50.0	55.6	62.8	57.7	71.7	88.4	91.3	87.0	89.2	75.4	93.6	39.9
31	88.7	92.0	91.8	85.9	80.3	75.6	78.0	76.0	70.2	66.3	62.1	60.1	58.1	55.3	54.6	55.5	55.9	56.6	56.3	59.4	64.5	55.8	52.7	49.9	66.7	92.0	49.9
Avg	81.7	82.0	82.5	83.3	82.8	82.5	82.5	82.1	79.1	72.1	65.0	58.6	56.4	55.1	54.3	55.3	58.0	65.3	70.7	75.2	78.5	79.9	80.2	80.3	72.6	90.5	49.5
Max	94.7	95.3	95.5	95.5	95.6	95.5	95.7	95.9	91.8	88.5	89.3	87.2	85.4	85.0	82.0	88.5	88.7	90.8	91.7	93.2	94.4	95.1	94.4	94.5	87.1	95.9	76.7
Min	45.7	48.7	49.5	53.6	49.1	47.2	42.6	40.7	41.0	36.0	32.7	29.5	33.5	31.8	31.5	33.4	35.5	38.2	41.5	41.7	42.7	42.2	40.1	43.0	52.5	82.6	29.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
November 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	49.7	51.7	54.0	56.4	64.4	70.3	78.5	79.2	78.0	67.9	48.1	47.4	46.5	43.6	44.1	44.1	52.2	62.8	71.1	75.1	82.2	82.3	80.5	65.7	62.3	82.3	43.6
2	69.6	68.5	78.1	79.0	81.4	84.4	86.2	85.9	77.0	58.7	45.1	42.5	43.5	44.6	38.8	45.5	51.2	61.4	69.4	74.8	73.7	75.9	78.0	80.5	66.4	86.2	38.8
3	82.7	82.5	78.1	76.8	75.6	78.6	80.3	82.1	79.4	72.0	50.5	28.4	25.2	23.4	21.5	21.7	32.3	49.1	54.8	59.0	61.3	73.4	75.0	76.6	60.0	82.7	21.5
4	76.8	80.3	79.7	81.0	82.9	83.5	84.5	82.5	75.0	65.0	51.4	23.4	19.5	17.2	20.2	19.0	30.2	42.4	53.0	57.0	60.0	71.0	73.5	77.7	58.6	84.5	17.2
5	76.6	77.6	78.6	78.5	79.4	80.4	81.5	80.0	70.1	53.9	32.7	21.8	20.5	19.9	20.5	22.6	32.3	47.3	54.6	60.7	63.8	68.1	73.6	71.9	57.0	81.5	19.9
6	70.6	73.8	78.6	80.6	78.0	77.0	75.6	74.8	74.7	62.5	37.3	31.3	30.9	34.5	37.2	41.7	45.6	52.3	55.0	54.0	58.7	64.4	70.6	76.9	59.9	80.6	30.9
7	81.7	84.2	84.6	86.2	86.6	86.4	86.9	86.8	78.1	73.0	53.1	44.1	42.2	41.5	39.9	42.7	49.4	65.3	72.7	77.9	81.5	85.0	86.4	87.9	71.0	87.9	39.9
8	88.3	89.0	89.3	91.0	90.2	89.6	89.3	89.9	85.8	78.5	67.3	40.8	25.8	24.2	25.1	25.3	31.0	44.2	57.9	60.7	64.0	73.0	75.1	74.7	65.4	91.0	24.2
9	77.6	80.2	82.9	84.2	86.8	87.6	87.5	87.4	79.3	68.2	47.7	34.1	30.3	30.2	30.1	31.7	36.4	55.2	66.4	74.2	78.6	82.9	85.1	86.7	66.3	87.6	30.1
10	88.5	87.9	89.4	88.9	90.2	90.0	90.1	90.3	85.4	75.3	61.2	38.6	38.3	37.7	38.2	43.2	52.0	62.2	64.8	66.0	69.3	74.0	76.3	78.9	69.9	90.3	37.7
11	83.9	88.4	90.1	91.0	91.6	91.7	91.8	91.9	88.2	75.2	54.1	38.9	36.0	32.9	30.5	31.2	39.7	58.6	65.9	69.9	75.2	82.0	83.7	85.5	69.5	91.9	30.5
12	87.5	88.7	90.2	90.6	90.7	91.1	91.1	90.6	81.1	75.1	55.7	35.8	33.3	33.7	34.7	40.8	45.9	51.8	57.6	64.4	71.8	60.9	60.4	62.6	66.1	91.1	33.3
13	62.4	60.3	61.6	65.0	68.4	72.6	70.5	71.8	67.3	57.8	54.0	48.7	44.5	42.8	41.8	41.8	49.5	58.1	67.4	69.2	70.2	71.3	68.2	55.4	60.0	72.6	41.8
14	52.8	54.6	58.6	65.8	68.4	68.6	70.6	77.1	77.1	68.4	43.7	45.1	41.3	41.4	43.2	44.1	51.1	53.1	53.6	56.8	59.4	60.8	62.3	63.5	57.6	77.1	41.3
15	64.6	67.6	70.8	73.8	76.9	85.1	88.7	88.6	87.1	82.4	69.1	66.6	64.7	71.4	69.2	64.2	72.6	69.2	76.7	83.1	80.3	82.3	87.7	84.5	76.1	88.7	64.2
16	85.0	86.7	87.3	82.0	78.4	83.8	87.0	88.6	81.9	78.7	67.4	73.1	64.3	51.0	49.5	52.1	57.0	62.1	60.1	59.5	63.7	70.9	75.3	78.0	71.8	88.6	49.5
17	78.7	81.1	81.9	82.5	82.7	84.2	85.3	81.8	79.0	72.6	71.7	72.9	79.3	78.6	64.3	65.3	81.6	82.5	87.5	86.2	86.2	85.6	85.6	84.8	80.1	87.5	64.3
18	84.9	85.0	86.0	86.2	83.8	82.2	81.1	81.3	82.4	68.9	66.3	58.8	51.3	47.0	42.3	46.1	54.8	62.3	68.4	67.9	69.8	64.2	62.0	59.9	68.5	86.2	42.3
19	62.6	62.7	58.5	58.9	59.2	59.3	67.2	72.8	72.8	61.7	41.9	33.2	31.2	33.8	35.4	38.1	40.5	44.6	47.6	53.2	55.0	60.1	62.5	61.3	53.1	72.8	31.2
20	64.6	66.3	67.6	71.7	72.8	73.6	72.4	68.2	68.0	66.0	56.9	41.6	36.3	32.8	32.6	38.6	46.4	49.5	59.4	65.4	71.3	75.8	77.5	78.0	60.6	78.0	32.6
21	80.8	77.3	80.6	80.3	81.6	72.7	64.9	70.3	72.0	63.8	59.5	55.9	52.3	50.7	49.5	48.0	53.4	60.8	65.7	73.9	79.3	78.8	83.6	85.7	68.4	85.7	48.0
22	86.0	85.8	86.0	86.0	86.3	86.2	86.3	85.2	81.7	76.8	71.5	65.4	55.1	49.8	48.7	47.7	54.4	68.3	74.1	81.7	83.0	84.7	85.0	85.5	75.0	86.3	47.7
23	86.3	85.4	81.6	78.8	71.4	66.5	63.0	61.0	63.6	64.1	61.4	62.4	77.7	81.0	72.1	71.9	81.4	83.6	86.0	88.8	83.3	86.7	82.1	73.4	75.6	88.8	61.0
24	70.8	65.1	64.4	67.1	67.0	67.2	75.3	72.0	68.5	57.8	50.9	47.8	44.9	41.5	39.2	41.2	48.3	55.3	60.0	57.7	56.2	56.7	58.1	57.5	57.9	75.3	39.2
25	59.0	61.9	60.6	56.2	56.1	53.0	54.3	57.0	54.9	38.9	32.0	29.1	28.7	27.8	28.1	29.6	32.1	36.6	46.4	48.2	54.0	59.8	58.8	63.6	46.9	63.6	27.8
26	59.0	61.2	53.2	55.8	56.5	60.4	68.7	67.6	53.1	33.3	26.7	24.2	21.7	20.4	20.9	23.4	25.2	29.5	43.5	45.1	48.3	55.3	58.4	57.3	44.5	68.7	20.4
27	63.0	63.3	63.6	66.1	67.8	70.5	71.0	71.7	68.8	53.4	39.9	32.6	27.9	25.5	25.5	28.6	33.8	41.4	48.5	54.8	61.0	63.7	69.2	76.5	53.7	76.5	25.5
28	76.4	77.9	77.7	75.9	78.9	81.3	83.3	83.6	82.5	68.2	60.3	54.7	58.0	64.3	61.0	68.0	69.8	70.1	78.6	75.0	71.4	77.8	84.0	85.0	73.5	85.0	54.7
29	86.4	87.0	87.7	86.3	83.6	83.7	83.9	85.5	87.6	85.6	81.8	75.7	73.1	68.9	76.1	74.8	80.7	86.3	85.7	83.7	82.5	81.8	80.9	79.6	82.0	87.7	68.9
30	78.1	78.1	77.4	76.7	76.2	76.6	76.1	76.3	76.9	76.5	75.9	71.8	62.4	58.9	63.5	78.6	84.9	87.4	88.6	88.5	89.2	89.8	88.8	87.9	78.5	89.8	58.9
Avg	74.5	75.3	76.0	76.6	77.1	77.9	79.1	79.4	75.9	66.7	54.5	46.2	43.6	42.4	41.5	43.7	50.5	58.4	64.7	67.7	70.1	73.3	74.9	74.8	65.2	83.2	39.6
Max	88.5	89.0	90.2	91.0	91.6	91.7	91.8	91.9	88.2	85.6	81.8	75.7	79.3	81.0	76.1	78.6	84.9	87.4	88.6	88.8	89.2	89.8	88.8	87.9	82.0	91.9	68.9
Min	49.7	51.7	53.2	55.8	56.1	53.0	54.3	57.0	53.1	33.3	26.7	21.8	19.5	17.2	20.2	19.0	25.2	29.5	43.5	45.1	48.3	55.3	58.1	55.4	44.5	63.6	17.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
December 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	87.4	87.9	87.4	87.5	86.4	85.8	87.1	87.1	87.4	86.4	79.8	78.0	77.8	77.9	80.5	79.5	83.9	86.9	89.0	87.7	88.6	89.4	88.0	88.5	85.2	89.4	77.8
2	87.3	89.0	88.3	88.2	88.3	87.8	87.7	84.0	80.7	72.6	68.4	65.8	64.5	63.3	64.0	64.9	68.6	80.0	85.2	84.1	85.5	87.5	84.0	78.7	79.1	89.0	63.3
3	76.7	78.5	78.4	76.1	82.9	81.5	78.5	73.5	74.1	71.6	70.3	68.1	65.5	57.8	60.3	63.3	61.3	66.1	64.5	61.1	64.2	64.9	68.2	76.9	70.2	82.9	57.8
4	79.0	82.4	82.1	73.4	69.8	70.3	68.6	64.6	69.5	66.1	66.2	68.9	65.0	59.5	66.2	79.1	88.6	79.5	63.2	71.7	79.6	79.3	76.4	74.8	72.7	88.6	59.5
5	73.1	74.5	76.1	76.1	72.9	73.5	71.9	71.7	73.0	71.4	67.2	62.7	68.4	66.5	65.1	66.9	74.0	78.9	80.4	80.6	81.5	79.3	76.3	74.6	73.2	81.5	62.7
6	74.2	73.4	73.9	76.4	76.8	76.4	76.5	76.7	77.2	78.1	77.9	76.6	74.8	74.1	73.5	74.2	73.3	70.7	69.6	71.8	68.3	67.9	70.6	71.7	73.9	78.1	67.9
7	73.0	73.4	73.5	74.6	74.6	74.7	73.8	73.5	73.1	68.2	61.4	52.4	62.3	64.7	60.0	60.1	69.8	73.2	73.6	73.5	73.3	74.3	74.6	75.6	70.0	75.6	52.4
8	75.7	76.1	76.0	76.4	76.8	76.8	77.1	76.8	76.2	69.6	61.0	58.4	56.1	55.4	57.5	61.0	71.3	75.6	74.9	75.0	74.3	74.9	72.9	73.2	70.8	77.1	55.4
9	76.5	73.1	73.3	72.6	71.6	71.9	73.6	74.7	73.9	72.6	70.6	67.8	63.1	63.3	65.1	71.5	77.2	76.4	76.6	77.4	78.1	80.3	81.0	81.0	73.5	81.0	63.1
10	81.3	81.1	81.8	82.5	83.7	84.6	86.2	86.9	87.4	83.3	81.5	79.0	80.0	82.8	69.5	62.0	64.2	64.3	62.8	62.0	65.5	65.2	64.2	66.1	75.3	87.4	62.0
11	70.9	76.6	78.6	78.9	79.9	81.0	82.0	83.6	83.3	80.0	71.3	56.7	55.7	56.8	57.9	57.0	64.6	72.6	75.8	77.8	79.6	82.5	84.7	80.9	73.7	84.7	55.7
12	82.1	83.0	79.4	78.7	79.6	80.0	79.9	78.3	77.4	75.2	71.7	71.8	71.1	74.3	74.4	75.0	77.3	77.6	78.5	78.2	76.0	74.5	73.9	72.1	76.7	83.0	71.1
13	72.4	71.7	72.0	70.9	73.1	74.9	75.9	76.0	75.9	77.1	79.7	76.3	63.5	62.2	64.0	63.7	64.1	71.0	76.9	78.9	79.2	78.9	76.7	76.4	73.0	79.7	62.2
14	74.3	73.9	72.9	72.0	71.3	70.8	69.7	70.0	70.1	71.2	73.0	75.3	75.5	68.3	68.2	69.1	72.7	76.1	78.7	78.8	78.3	76.1	77.1	72.3	73.2	78.8	68.2
15	70.1	75.7	82.4	80.9	82.4	83.2	83.2	82.9	83.0	82.8	82.2	81.8	80.7	79.4	78.5	78.8	79.2	79.2	78.9	78.5	78.0	77.8	77.1	76.7	79.7	83.2	70.1
16	75.8	75.6	75.6	75.8	75.6	74.8	74.4	74.2	73.6	73.0	72.8	70.5	64.5	62.4	59.5	57.6	59.9	62.2	62.9	67.0	71.6	70.0	67.9	67.1	69.3	75.8	57.6
17	65.4	64.5	63.4	61.7	61.9	61.2	60.1	60.8	60.7	61.0	61.3	57.4	58.0	50.6	52.2	60.9	67.9	73.1	73.0	72.0	71.1	70.8	70.7	73.3	63.9	73.3	50.6
18	76.3	69.9	70.8	72.9	74.6	74.1	76.3	75.2	75.0	74.4	67.8	67.5	73.7	74.2	70.6	67.9	68.4	70.9	70.0	70.4	70.8	71.0	73.7	78.6	72.3	78.6	67.5
19	79.5	78.8	80.4	80.4	78.9	68.3	70.8	64.8	64.6	61.9	56.6	53.3	54.4	57.2	59.7	61.4	64.2	65.8	66.4	64.2	60.4	60.2	61.0	62.7	65.7	80.4	53.3
20	62.4	63.1	63.2	63.8	67.3	71.6	77.5	73.4	66.6	65.0	65.0	65.5	68.3	68.7	70.5	66.1	66.5	79.1	56.0	54.4	52.2	54.5	56.5	56.8	64.8	79.1	52.2
21	59.0	60.1	62.9	65.2	65.8	67.1	68.2	68.3	68.5	66.3	Au	Au	Au	Au	Au	52.5	56.0	66.0	75.5	81.4	81.6	81.3	79.8	80.3	68.7	81.6	52.5
22	80.2	80.5	77.9	77.8	78.8	79.8	79.6	78.0	76.7	73.7	63.9	57.2	45.0	37.2	28.1	23.9	30.1	34.0	40.6	49.4	54.4	56.7	59.1	64.8	59.5	80.5	23.9
23	67.3	69.1	71.5	72.9	73.5	73.4	75.0	75.4	74.0	70.1	60.8	50.6	40.2	39.4	48.7	49.0	50.8	57.2	60.2	54.5	61.7	70.1	69.8	70.5	62.7	75.4	39.4
24	68.9	70.9	73.7	75.7	80.6	84.1	87.1	86.8	85.7	85.3	84.3	72.5	75.1	76.2	77.5	85.6	83.3	84.0	84.1	83.2	83.1	83.4	82.2	80.7	80.6	87.1	68.9
25	77.4	75.6	72.7	76.1	76.7	76.6	75.9	75.0	76.3	76.0	75.1	75.4	74.0	73.1	72.9	75.3	77.0	77.0	77.9	77.0	75.8	75.1	77.8	78.8	75.9	78.8	72.7
26	79.4	80.3	78.9	79.5	79.8	80.3	80.4	73.5	71.6	68.6	67.8	65.1	60.2	59.6	58.1	58.0	61.4	76.2	79.5	80.4	81.0	79.0	78.1	77.7	73.1	81.0	58.0
27	77.3	77.7	80.2	80.8	81.7	75.4	63.5	58.1	60.5	58.6	57.7	61.6	65.8	72.2	70.2	76.3	78.3	79.1	73.6	70.3	62.1	67.5	70.0	64.1	70.1	81.7	57.7
28	63.9	62.8	64.1	71.7	74.8	82.0	73.6	70.0	74.1	69.5	65.0	63.3	57.5	55.4	53.5	53.3	53.5	57.0	57.9	57.2	57.6	59.8	59.8	62.5	63.3	82.0	53.3
29	71.9	76.4	79.4	79.5	79.7	78.3	77.5	76.9	75.1	72.5	62.7	44.1	42.9	43.6	44.6	45.6	48.0	56.9	61.3	63.0	49.1	42.9	43.1	48.1	61.0	79.7	42.9
30	42.8	43.7	49.2	54.4	60.2	55.0	58.1	62.5	66.3	72.3	73.4	80.0	81.1	80.6	67.8	65.7	71.3	80.7	83.8	85.9	86.2	82.5	83.2	74.7	69.2	86.2	42.8
31	69.8	70.9	73.5	71.2	68.7	67.9	63.9	64.0	64.1	57.5	52.4	53.9	52.5	49.4	47.5	47.8	50.5	62.7	69.5	72.6	78.9	81.4	80.8	79.8	64.6	81.4	47.5
Avg	73.3	73.9	74.6	75.0	75.8	75.6	75.3	74.1	74.1	72.0	69.0	65.9	64.6	63.5	62.9	63.6	67.0	71.3	71.6	72.3	72.5	72.9	72.9	72.9	71.1	81.4	57.7
Max	87.4	89.0	88.3	88.2	88.3	87.8	87.7	87.1	87.4	86.4	84.3	81.8	81.1	82.8	80.5	85.6	88.6	86.9	89.0	87.7	88.6	89.4	88.0	88.5	85.2	89.4	77.8
Min	42.8	43.7	49.2	54.4	60.2	55.0	58.1	58.1	60.5	57.5	52.4	44.1	40.2	37.2	28.1	23.9	30.1	34.0	40.6	49.4	49.1	42.9	43.1	48.1	59.5	73.3	23.9

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
October 2016

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.110	0.040	0.090	0.000	0.000	0.000	0.000	0.000	0.000	0.490	0.250
2	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.020	0.010
3	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.030	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.010	0.000	0.010	0.010	0.000	0.000	0.010	0.000	0.140	0.050
4	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.030	0.050	0.030
8	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.030	0.020	0.010	0.010	0.090	0.030
11	0.010	0.040	0.060	0.020	0.020	0.010	0.010	0.020	0.010	0.010	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.230	0.060
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.090	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.130	0.090
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.120	0.010	0.000	0.000	0.000	0.010	0.020	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.170	0.120
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.030	0.020	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.030
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.000	0.000	0.030	0.020
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.020
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.010	0.040	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.040
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.090	0.190	0.220	0.070	0.640	0.220
31	0.020	0.010	0.000	0.030	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.030
Tot	0.050	0.050	0.180	0.070	0.030	0.030	0.100	0.100	0.060	0.040	0.050	0.020	0.050	0.100	0.250	0.120	0.070	0.090	0.010	0.110	0.130	0.240	0.250	0.110	2.310	0.000
Max	0.020	0.040	0.120	0.030	0.020	0.010	0.050	0.030	0.020	0.030	0.030	0.020	0.040	0.090	0.250	0.110	0.040	0.090	0.010	0.070	0.090	0.190	0.220	0.070	0.640	0.250

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
November 2016

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.030	0.000	0.060	0.030
16	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.030
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.020
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.010	0.010
Tot	0.010	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.020	0.000	0.000	0.010	0.030	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.020	0.030	0.000	0.170	0.000
Max	0.010	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.020	0.000	0.000	0.010	0.030	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.020	0.030	0.000	0.060	0.030

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
December 2016

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.000	0.010	0.030	0.010
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.020	0.010
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.010	0.010	0.010	0.010	0.020	0.030	0.010	0.020	0.010	0.010	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.160	0.030
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Au	Au	Au	Au	Au	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.010	0.010
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.010	0.000	0.010	0.010	0.010	0.010	0.020	0.030	0.010	0.020	0.010	0.020	0.020	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.020	0.000	0.010	0.290	0.000
Max	0.010	0.000	0.010	0.010	0.010	0.010	0.020	0.030	0.010	0.020	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.000	0.010	0.160	0.030

APPENDIX B: PERFORMANCE AUDIT REPORTS FOURTH QUARTER 2016

BISON
ENGINEERING, INC.

Bison Engineering

Preliminary Meteorological Parameters Audit Form

Audit Dates: 12/21/2016 Audit Start Time : 10:45 MST Audit End Time : 14:25 MST
Client: Tintina Resources
Site: Black Butte
AUDITOR: Steve Heck STATION OPERATOR: Jeff Bell

Temperature

Audit Device: Control Company - digital thermometer Model 4000
Meter S/N: 130236679 Temperature Sensor: Climatronics 100093
Last certified: 7/20/2016 S/N P12535 (Upper), S/N P12535 (Lower) - Matched Set

Temperature bath results

Audit Value °C	9m DAS Value °C	9m DAS Diff. °C	2m DAS Value °C	2m DAS Diff. °C	9m - 2m DAS Diff. °C
0.01	0.11	0.10	0.16	0.15	-0.05
18.54	18.44	-0.10	18.50	-0.04	-0.06
37.70	37.87	0.17	37.93	0.23	-0.06

Wind Direction

Sensor height: 9 Meter
Sensor (Make/model number): Climatronics/ 102083
Serial Number : P1336C
Crossarm orientation (from solar sighting): 178.5 / 358.5
Location used for solar calculation:
N 46 deg 46 min, W 110 deg 53 min
Calculated sun azimuth at 1107 MST:
162.0 degrees
Sensor response aligned with crossarm (as found): 0.1

Linearity Audit Device: Climatronics 101966, SN 70

Threshold Torque: 0.05 oz.-in.
(Waters Model 366-1 torque watch)

Linearity Check from DAS (as found)

Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	0.1	0.1	0.1	0.1
30	28.7	28.7	-1.3	-1.3
60	59.6	59.6	-0.4	-0.4
90	89.6	89.6	-0.4	-0.4
120	117.6	117.6	-2.4	-2.4
150	147.9	148.1	-2.1	-1.9
180	179.9	179.7	-0.1	-0.3
210	207.4	207.3	-2.6	-2.7
240	239.2	239.2	-0.8	-0.8
270	269.9	269.9	-0.1	-0.1
300	299.0	298.8	-1.0	-1.2
330	329.1	329.0	-0.9	-1.0
		Max Diff	**-2.6**	**-2.7**

Wind Speed

Sensor height:: 9 Meter
Sensor (Make/model number): Climatronics/ 102083
Serial Number : P1336C
Calibration device: Weathertronics 300 rpm synchronous motor
Weathertronics 600 rpm synchronous motor

Synchronous motor checks

Known Value RPM	Known Value m/s	DAS Value m/s	DAS Diff. m/s
0	0.22	0.22	0.00
300	6.66	6.65	-0.01
600	13.09	13.08	-0.01

Threshold Torque: 0.004 oz.-in.
(Waters Model 366-3 torque watch)

Solar Radiation

Audit Device: Eppley Pyranometer, SN 16166F3 (certified by Eppley August 2016)

Time (MST)	CTS Value (W/m2)	Site Value (W/m2)	Diff. (%)	Diff. (% FS)
1330	315	329	4.4	1.1
1412	269	281	4.5	0.9
1420	256	261	2.0	0.4

Relative Humidity

Site Sensor: Met One 083E-0-35
Sensor Height: 2 meters
Reference Std: Assmann Psychrometer, thermometer calibrations checked November 2016

Ref Dry-Bulb:	-3.3	deg C	BP = 26.55 in. Hg
Ref Wet-Bulb	-5.7	deg C	
Ref RH:	56.4	%RH	
Station RH:	52.2	%RH	
Diff:	-4.2	%RH	

Barometric Pressure

Audit Device: Wallace & Tiernan Model FA185260, S/N LL03297.
Checked against Bison Mercury barometer (Butte) on 11/28/2016

Audit Value:	24.55	in Hg
Station Value:	24.50	in Hg
Diff:	-0.05	in Hg

Precipitation

Rain Gauge = Met One Model 375
Level checked OK
Wind Screen in place
8" opening

250 ml water added
Calibration is 8.24 ml per tip
Known audit value is 559 / 8.24 = 30.3 tips (so 30 full tips expected)

Unit registered 30 tips
% difference from expected = 0.0%

Signature Site Operator :_____

Signature Auditor : 

APPENDIX C: EVAPORATION AND PRECIPITATION SUMMARY, FOURTH QUARTER 2016

EVAPORATION AND PRECIPITATION SUMMARY FOR TINTINA SITE

(All values in inches)

DATE	TIME	EVAPORATION AS-FOUND	EVAPORATION AS-LEFT	PRECIPITATION (MANUAL)	PRECIPITATION (AUTOMATED)	TOTAL EVAPORATION	NET EVAPORATION
9/26/2016	1130		2.725				
10/3/2016	0930	2.492	2.492	0.55	0.59	0.783	0.233
10/7/2016	1100	2.456	2.456	0.14	0.08	0.176	0.036
10/14/2016	1100	2.520	2.520	0.35	0.38	0.286	-0.064
10/17/2016	1645	2.720	2.720	0.40	0.38	0.200	-0.200
10/18/2016	1225	2.745	2.745	0.06	0.05	0.035	-0.025
10/28/2016	0900	2.274	2.274	0.17	0.11	0.641	0.471
		TOTAL FOR SEPTEMBER 26 -OCTOBER 28		1.67	1.59	2.12	0.45

EVAPORATION AND PRECIPITATION SUMMARY FOR TINTINA SITE

(All values in inches)

DATE	TIME	EVAPORATION AS-FOUND	EVAPORATION AS-LEFT	PRECIPITATION (MANUAL)	PRECIPITATION (AUTOMATED)	TOTAL EVAPORATION	NET EVAPORATION
10/28/2016	0900		2.274				
11/2/2016	1200	1.620	END	0.74	0.72	1.394	0.654
11/4/2016	0900	No Data	No Data	0.00	0.00	No Data	No Data
11/7/2016	1320	No Data	No Data	0.00	0.00	No Data	No Data
11/9/2016	1000	No Data	No Data	0.00	0.00	No Data	No Data
11/11/2016	0900	No Data	No Data	0.00	0.00	No Data	No Data
11/14/2016	1000	No Data	No Data	0.00	0.00	No Data	No Data
11/16/2016	1130	No Data	No Data	0.36	0.08	No Data	No Data
11/29/2016	1000	No Data	No Data	0.15	0.08	No Data	No Data
		TOTAL FOR OCTOBER 28 - NOVEMBER 29		1.25	0.88	1.39	0.65

EVAPORATION AND PRECIPITATION SUMMARY FOR TINTINA SITE

(All values in inches)

DATE	TIME	EVAPORATION AS-FOUND	EVAPORATION AS-LEFT	PRECIPITATION (MANUAL)	PRECIPITATION (AUTOMATED)	TOTAL EVAPORATION	NET EVAPORATION
11/29/2016	1000		No Data				
12/2/2016	1130	No Data	No Data	0.17	0.04	No Data	No Data
12/12/2016	1000	No Data	No Data	0.10	0.07	No Data	No Data
12/22/2016	1100	No Data	No Data	0.15	0.17	No Data	No Data
12/26/2016	0900	No Data	No Data	0.00	0.02	No Data	No Data
12/29/2016	0830	No Data	No Data	0.06	0.00	No Data	No Data
		TOTAL FOR NOVEMBER 29 - DECEMBER 29		0.48	0.30	No Data	No Data