TINTINA RESOURCES, INC.
BLACK BUTTE COPPER PROJECT AMBIENT AIR MONITORING PROGRAM
Quarterly Data Report
First Quarter 2015

Prepared for:

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

Prepared by:

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

May 1, 2015

CERTIFICATION OF DATA INTEGRITY

Bison Engineering, Inc., certifies the data in this report is an accurate summary of the air quality conditions measured at the Black Butte Copper Project air monitoring site. Every effort was made to obtain accurate and representative data and to comply with the procedures set forth in the project-specific *Quality Assurance Project Plan*, the *State of Montana Ambient Air Monitoring Program Quality Assurance Project Plan (April 2013)*, and the Environmental Protection Agency's *Quality Assurance Handbook for Air Pollution Measurement Systems: Volume I, A Field Guide to Environmental Quality Assurance (April 1994), Volume II, Ambient Air Quality Program (May 2013), and Volume IV, Meteorological Measurements (March 2008).*

Preparer: Jeffrey S. Bell

Signature: Jeffrey S Bell

Title: Senior Field Technician

Date: 4/14/15

Reviewer: Rebecca L. Picchioni, P.E.

Signature: Rebecca L Picchioni

Title: Project Engineer

Date: 4/29/15

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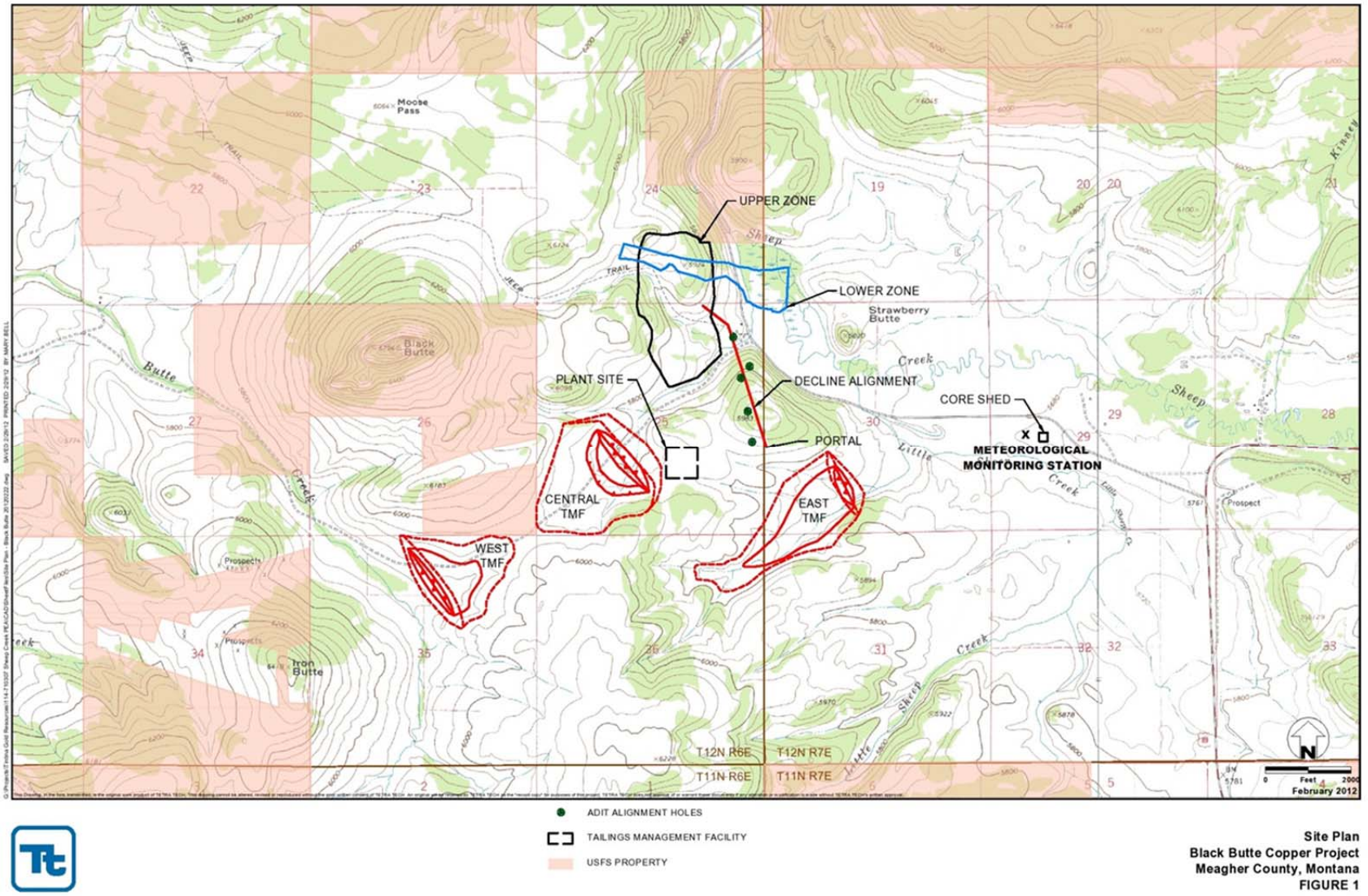
1.0 INTRODUCTION

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

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

This report presents the data collected during the first quarter (January through March) of 2015. In addition, a description of the monitoring system operations is presented, together with summaries of quality assurance activities, including calibrations and performance audits. Tabular summaries of the data completeness achieved and the periods of missing data also are presented. Appendix A presents hourly meteorological data collected.

Figure 1. Monitoring Site Location



2.0 MONITORING SYSTEM OPERATIONS

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

Steve Heck of Bison conducted performance audits of the meteorological system on March 11, 2015. All results were satisfactory. The Bison report of the audits is presented in Appendix B. The wind speed and wind direction sensors were replaced and calibrated after the audits were completed.

3.0 CALIBRATION DATA

As discussed in Section 4.0, the system's as-found condition was audited on March 11, 2015. Refurbished wind speed and wind direction sensors were installed and calibrated after the audits were completed, so that the existing units could be serviced (they were working properly when removed). No calibration adjustments were needed for any of the other meteorological instruments, based on the audit results.

4.0 PERFORMANCE AUDIT DATA

Steve Heck of Bison conducted performance audits of the meteorological system on March 11, 2015. All results were satisfactory. The Bison report of the audits is presented in Appendix B.

5.0 DATA COMPLETENESS

The meteorological percentages of data recovery achieved during the first quarter of 2015 are given in Tables 1 and 2. In these tables, the number of possible data values during each month of the quarter is given, together with the number of valid readings and the number of hours spent on quality assurance activities (such as calibrations, performance audits, and maintenance on the sensors). The quality assurance hours are added to the number of hours of valid data to compute the net percentage data recovery.

During the first quarter the net percentage data recovery was 94.4 percent for precipitation (discussed below), 99.5 percent for wind speed and 100.0 percent for all other parameters at the site. The loss of wind speed data was due to the sensor's cups being frozen in place because of weather. Those periods of missing data are summarized in Table 3a.

The precipitation gauge opening at the Tintina site is located approximately 18 inches above ground level, and the early part of the winter of 2014 – 2015 experienced heavy snowfall. The Tintina site representative was diligent about keeping the precipitation gauge and the area within its wind screen clear of snow, but the general snow depth at the Tintina site was sufficient to cause drifting at times during the latter half of January. This resulted in drifting of snow into the gauge, and false positive precipitation readings as the accumulated snow melted. The snowpack melted rapidly during February and March due to unusually mild weather, so drifting did not affect the precipitation readings in those months.

Table 3b lists the periods when drifting effects were suspected based on Bison's review of the meteorological data file. Those periods were assigned hourly values of 0.000 inches in Appendix A, since it is ***probable*** that the actual precipitation amount during those hours was zero. Because that cannot be known with certainty, those periods have been counted as missing data in Tables 1 and 2. This resulted in a net data recovery for precipitation of 83.6 percent for January and 94.4 percent for the quarter.

In general, false positive precipitation periods were suspected when:

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

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

Table 1. Monthly Data Completeness

January 2015					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	744	100.0	0	100.0
Wind Direction	744	744	100.0	0	100.0
Standard Deviation	744	744	100.0	0	100.0
Temperature 9 Meters	744	744	100.0	0	100.0
Temperature 2 Meters	744	744	100.0	0	100.0
Temperature Delta T	744	744	100.0	0	100.0
Solar Radiation	744	744	100.0	0	100.0
Barometric Pressure	744	744	100.0	0	100.0
Relative Humidity	744	744	100.0	0	100.0
Precipitation	744	622	83.6	0	83.6
Total	7,440	7,318	98.4	0	98.4

Table 1. Monthly Data Completeness (Continued)

February 2015					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	672	672	100.0	0	100.0
Wind Direction	672	672	100.0	0	100.0
Standard Deviation	672	672	100.0	0	100.0
Temperature 9 Meters	672	672	100.0	0	100.0
Temperature 2 Meters	672	672	100.0	0	100.0
Temperature Delta T	672	672	100.0	0	100.0
Solar Radiation	672	672	100.0	0	100.0
Barometric Pressure	672	672	100.0	0	100.0
Relative Humidity	672	672	100.0	0	100.0
Precipitation	672	672	100.0	0	100.0
Total	6,720	6,720	100.0	0	100.0

Table 1. Monthly Data Completeness (Continued)

March 2015					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	727	97.7	6	98.5
Wind Direction	744	738	99.2	6	100.0
Standard Deviation	744	738	99.2	6	100.0
Temperature 9 Meters	744	738	99.2	6	100.0
Temperature 2 Meters	744	738	99.2	6	100.0
Temperature Delta T	744	738	99.2	6	100.0
Solar Radiation	744	738	99.2	6	100.0
Barometric Pressure	744	738	99.2	6	100.0
Relative Humidity	744	738	99.2	6	100.0
Precipitation	744	738	99.2	6	100.0
Total	7,440	7,369	99.0	60	99.9

Table 2. Quarterly Data Completeness

First Quarter 2015					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	2,160	2,143	99.2	6	99.5
Wind Direction	2,160	2,154	99.7	6	100.0
Standard Deviation	2,160	2,154	99.7	6	100.0
Temperature 9 Meters	2,160	2,154	99.7	6	100.0
Temperature 2 Meters	2,160	2,154	99.7	6	100.0
Temperature Delta T	2,160	2,154	99.7	6	100.0
Solar Radiation	2,160	2,154	99.7	6	100.0
Barometric Pressure	2,160	2,154	99.7	6	100.0
Relative Humidity	2,160	2,154	99.7	6	100.0
Precipitation	2,160	2,032	94.1	6	94.4
Total	21,600	21,407	99.1	60	99.4

Table 3a. Periods of Missing Data

First Quarter 2015						
Starting Date/Hour	Ending Date/Hour	Site	Parameter	Total Hours	Percent of Month	Circumstance
Mar 23/21	Mar 24/7	Met Tower	Wind Speed	11	0.51	Missing data: Cups frozen in place.

Table 3b. Suspected False Non-Zero Precipitation Readings

First Quarter 2015				
Start Date	Start Hour	End Date	End Hour	Number of Hours
January 2015				
Jan 16	13	Jan 18	6	42
Jan 18	12	Jan 19	20	33
Jan 24	11	Jan 26	3	41
Jan 26	11	Jan 26	16	6

6.0 MONITORING DATA

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

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

Table 4. Missing Data Codes

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

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

January 2015																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	3.2	2.3	2.0	2.0	4.4	5.5	4.6	2.8	1.5	0.3	0.7	0.5	0.5	1.2	1.5	1.6	34.7
	1.1 - 2.0	0.7	1.7	2.8	2.6	4.0	4.2	3.0	1.5	0.8	0.4	0.4	0.4	0.8	1.6	1.6	0.5	27.0
	2.1 - 3.0	0.1	0.1	0.8	2.0	2.3	0.4	0.3	0.4	0.4	0.1	0.0	0.5	1.1	0.8	1.5	0.5	11.4
	3.1 - 4.0	0.1	0.1	0.0	0.1	0.8	0.3	0.0	0.1	0.4	0.0	0.0	0.3	0.9	2.4	1.3	0.0	7.0
	4.1 - 5.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.7	1.3	1.5	0.9	0.1	5.1
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.0	1.9	1.5	0.0	0.0	4.2
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.1	2.0	1.6	0.5	0.1	4.8
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.5	0.1	0.5	0.1	2.7
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.0	1.2
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	0.3	0.0	0.0	1.1
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	4.2	4.4	5.6	6.7	11.6	10.3	7.8	5.8	3.4	0.9	1.3	3.1	12.0	11.6	8.2	3.1	100.0
	Average Speed	0.9	1.2	1.4	1.6	1.5	1.1	1.0	1.9	1.8	2.1	1.6	3.7	5.6	4.2	3.2	1.9	2.4

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

February 2015																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.2	1.5	2.1	1.5	1.5	1.9	1.8	1.0	0.4	0.3	0.1	0.4	0.7	0.4	0.4	1.0	16.5
	1.1 - 2.0	0.4	1.8	2.8	3.1	3.7	3.1	2.4	0.9	0.1	0.0	0.3	0.6	1.9	1.8	2.4	0.4	25.9
	2.1 - 3.0	0.1	0.4	0.3	0.9	2.8	0.4	0.7	0.4	0.4	0.1	0.1	0.4	1.6	2.8	2.2	0.9	15.0
	3.1 - 4.0	0.6	0.0	0.0	0.1	0.9	0.3	0.0	0.4	0.3	0.0	0.0	0.6	2.4	3.0	1.9	0.4	11.0
	4.1 - 5.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	1.3	0.0	0.3	0.1	0.3	4.2	1.0	1.9	0.3	10.0
	5.1 - 6.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.7	0.4	1.0	2.2	2.5	0.9	0.3	8.9
	6.1 - 7.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.1	0.3	0.3	2.7	1.5	0.4	0.4	6.5
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.6	0.1	1.8	0.3	0.0	0.3	3.4
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.3	0.0	0.3	0.0	0.0	0.4	1.5
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.6
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.1	0.0	0.0	0.0	0.6
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	3.0	3.7	5.2	5.7	9.1	6.0	4.9	5.2	1.8	2.1	3.3	3.9	18.0	13.4	10.3	4.6	100.0
	Average Speed	2.4	1.4	1.2	1.5	1.9	1.5	1.3	3.3	3.4	5.2	6.8	3.7	4.6	3.9	3.2	3.6	3.1

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

March 2015																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.7	1.1	1.4	0.7	1.8	1.0	1.0	0.6	0.6	0.0	0.1	0.1	0.3	0.4	0.6	0.7	10.9
	1.1 - 2.0	0.7	1.7	2.5	2.8	4.4	3.6	2.9	2.3	1.0	0.4	0.3	0.6	0.6	0.7	1.1	1.1	26.4
	2.1 - 3.0	0.0	0.0	0.4	1.2	1.7	2.8	0.6	1.2	0.0	0.3	0.3	0.6	2.5	0.8	1.0	0.6	13.8
	3.1 - 4.0	0.1	0.1	0.1	0.6	1.0	0.6	0.1	0.8	0.1	0.1	0.1	0.4	3.0	1.4	0.8	0.1	9.6
	4.1 - 5.0	0.3	0.0	0.0	0.1	0.4	0.1	0.0	0.3	0.0	0.4	0.3	1.2	2.9	1.5	0.7	0.7	8.9
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.1	0.6	1.5	5.0	1.1	0.6	0.8	10.3
	6.1 - 7.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.1	0.1	0.6	1.1	3.6	0.8	0.0	0.0	8.1
	7.1 - 8.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.3	0.3	0.8	2.3	1.0	0.1	0.0	5.4
	8.1 - 9.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.3	0.7	1.5	0.4	0.3	0.0	3.6
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.8	0.0	0.0	0.0	1.5
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.6
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.3
	12.1 - 13.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.6
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	2.1	3.2	4.4	5.4	9.2	8.0	4.5	7.7	2.2	1.9	3.0	7.6	23.5	8.3	5.1	4.0	100.0
	Average Speed	2.6	2.1	1.3	1.9	1.9	2.0	1.5	3.6	2.5	4.3	5.5	5.6	5.7	4.8	3.4	2.9	3.7

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

First Quarter 2015																		
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.7	1.6	1.8	1.4	2.6	2.8	2.5	1.5	0.8	0.2	0.3	0.4	0.5	0.7	0.8	1.1	20.9
	1.1 - 2.0	0.6	1.7	2.7	2.8	4.1	3.6	2.8	1.6	0.7	0.3	0.3	0.5	1.1	1.4	1.7	0.7	26.5
	2.1 - 3.0	0.1	0.2	0.5	1.4	2.2	1.2	0.5	0.7	0.3	0.2	0.1	0.5	1.7	1.4	1.5	0.7	13.3
	3.1 - 4.0	0.3	0.1	0.0	0.3	0.9	0.4	0.0	0.5	0.3	0.0	0.0	0.4	2.1	2.2	1.4	0.2	9.1
	4.1 - 5.0	0.1	0.0	0.0	0.0	0.2	0.1	0.0	0.6	0.0	0.2	0.2	0.7	2.8	1.4	1.2	0.4	7.9
	5.1 - 6.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.8	3.0	1.7	0.5	0.4	7.7
	6.1 - 7.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.1	0.3	0.5	2.8	1.3	0.3	0.2	6.5
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.3	0.5	1.9	0.5	0.2	0.1	3.8
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.8	0.3	0.2	0.1	2.1
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5	0.1	0.0	0.0	1.1
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.0	0.0	0.0	0.5
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	3.1	3.8	5.1	5.9	10.0	8.2	5.8	6.3	2.5	1.6	2.5	4.9	17.8	11.0	7.8	3.9	100.0
	Average Speed	1.8	1.5	1.3	1.7	1.8	1.5	1.2	3.0	2.4	4.2	5.3	4.7	5.3	4.2	3.3	2.9	3.1

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

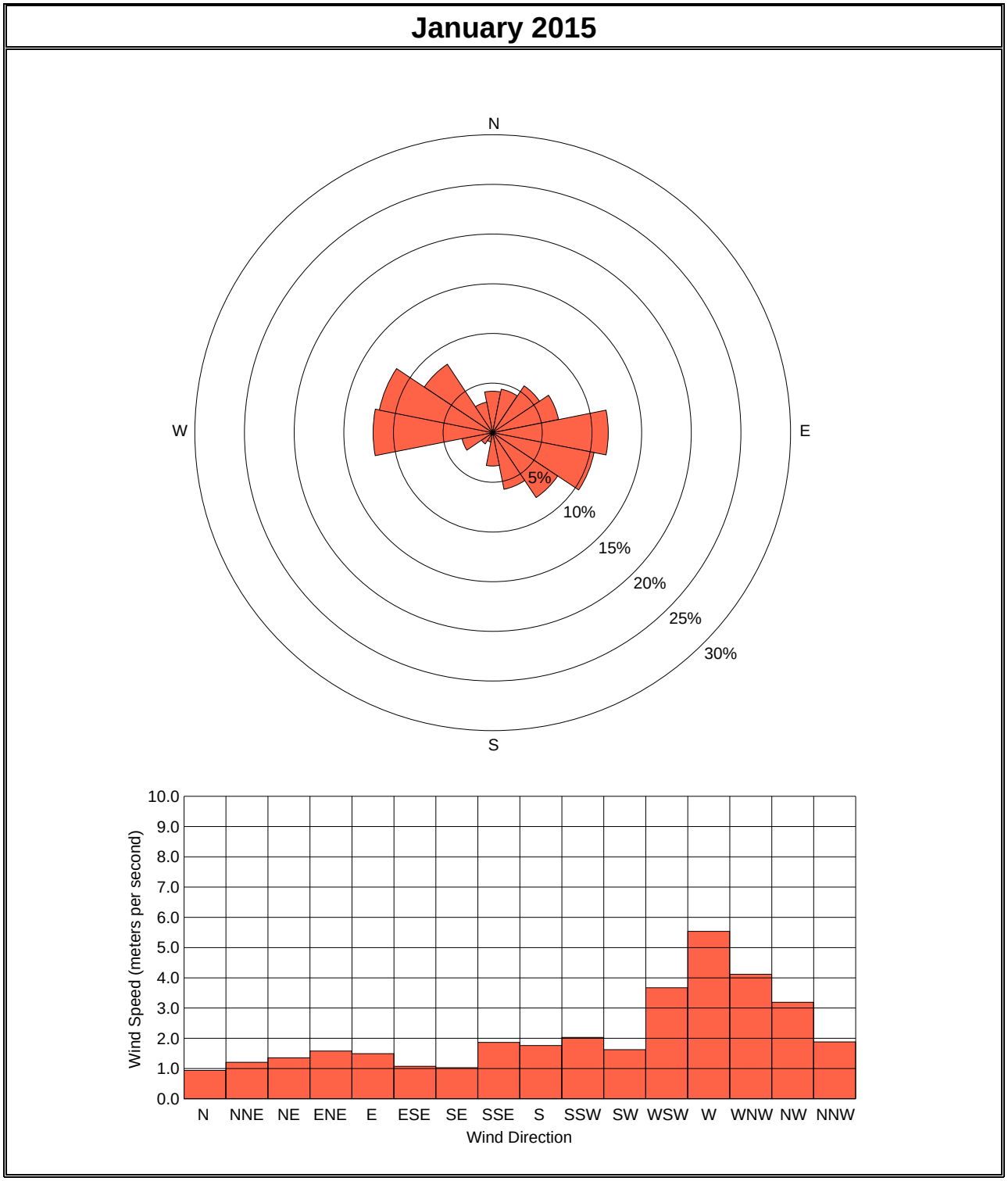


Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower

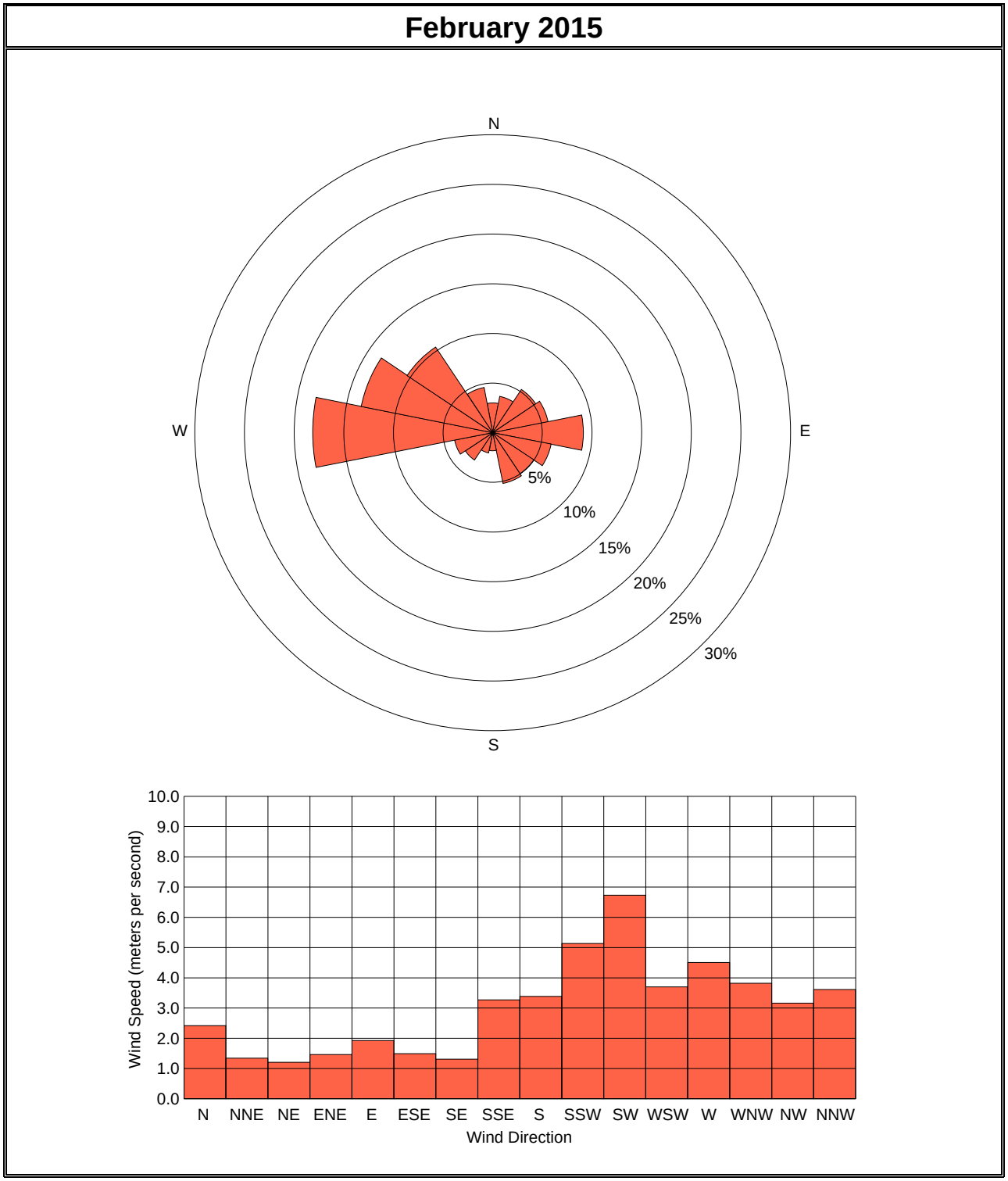


Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower

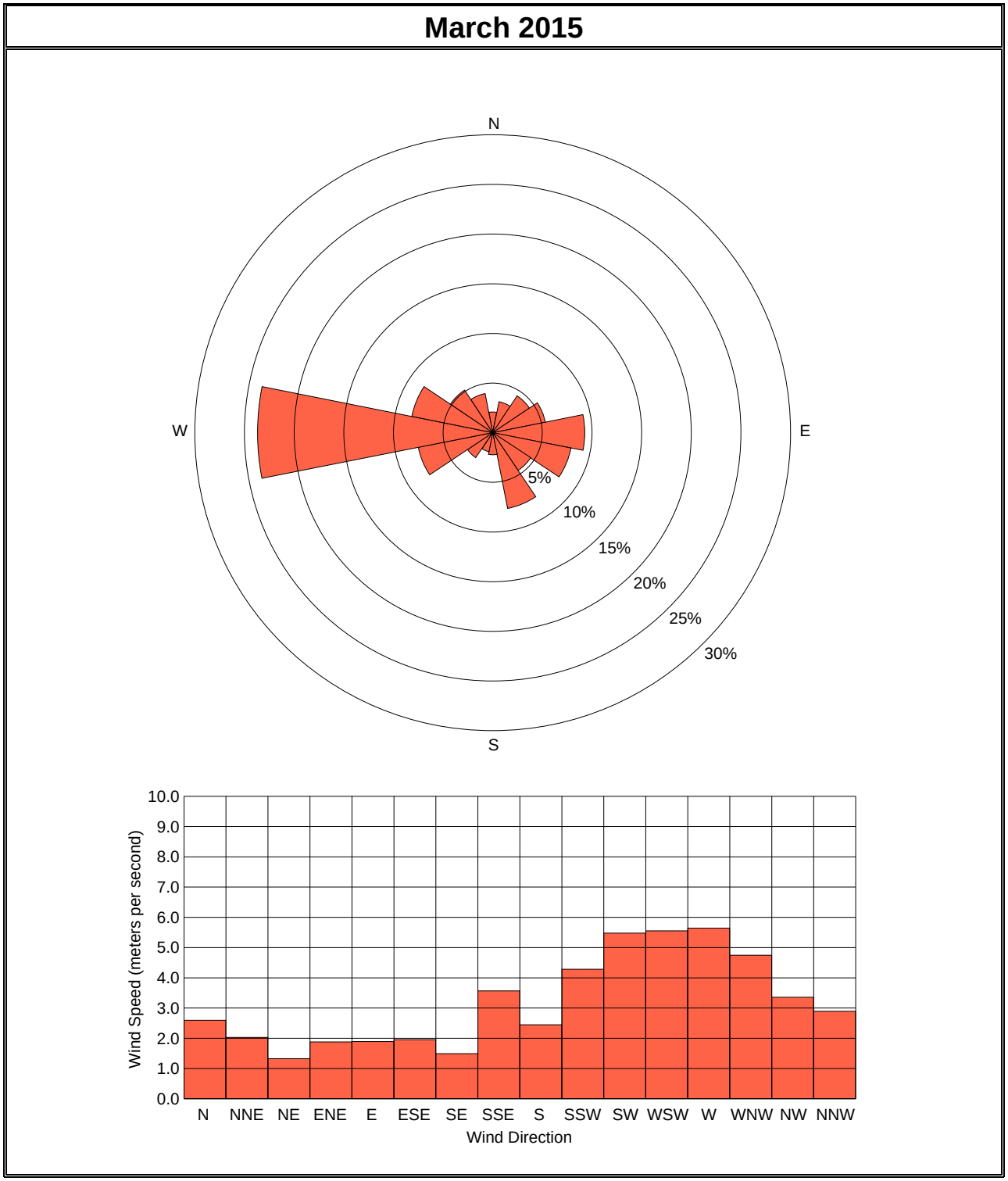
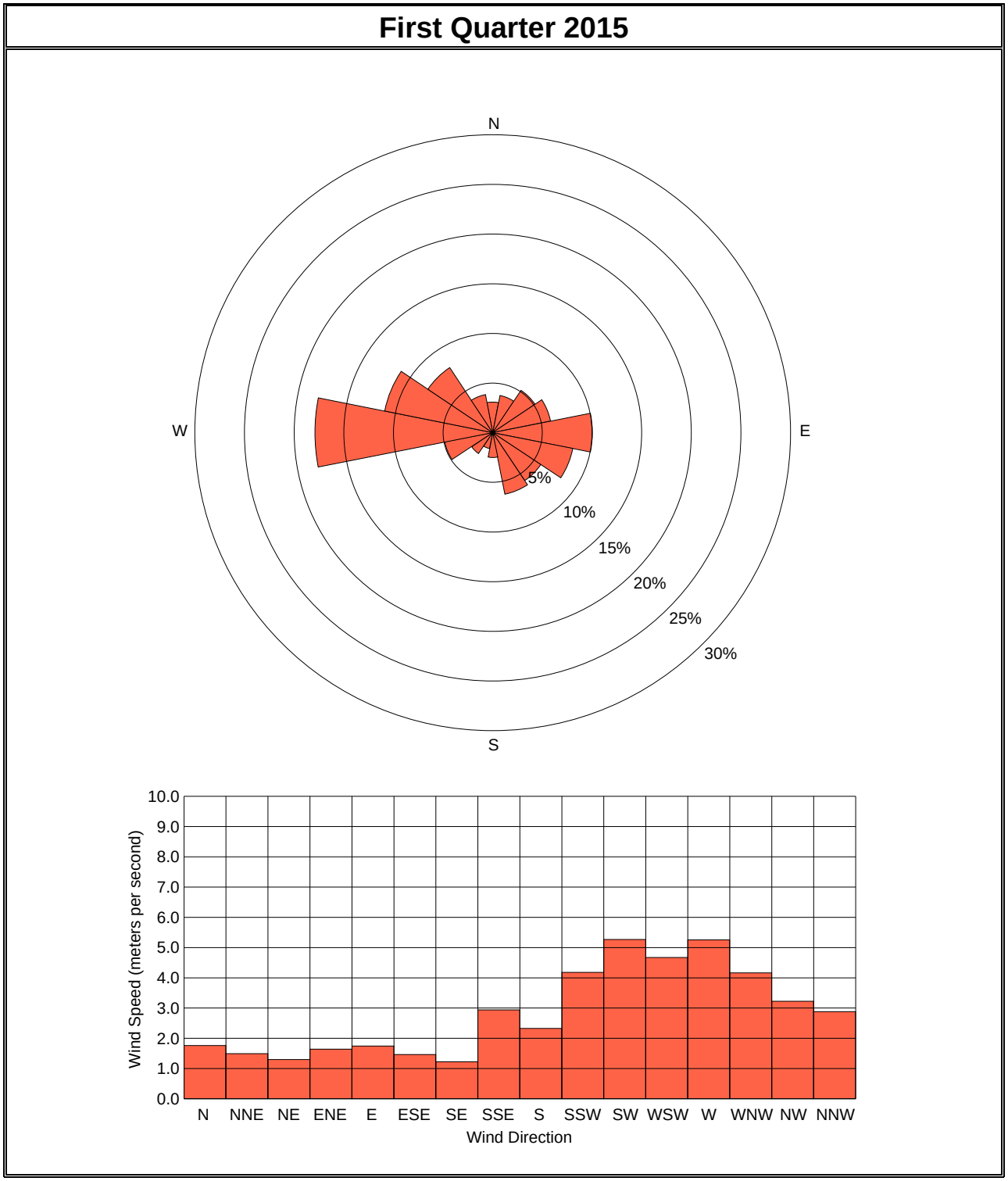


Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower



APPENDIX A: HOURLY AIR QUALITY AND METEOROLOGICAL DATA, FIRST QUARTER 2015

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
January 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.9	0.9	0.8	1.0	1.0	1.0	0.9	1.0	0.9	1.3	0.9	0.5	0.9	0.6	0.9	0.7	1.1	2.2	1.9	2.3	1.6	1.5	2.0	1.8	1.2	2.3	0.5
2	1.1	1.2	1.1	1.4	0.9	0.8	0.9	0.8	0.8	0.8	1.3	1.1	3.2	2.9	7.0	5.9	4.7	6.9	5.5	4.5	6.2	6.2	6.6	7.3	3.3	7.3	0.8
3	7.9	6.5	4.9	6.9	6.3	5.0	2.6	2.2	0.8	0.8	0.9	1.1	0.5	0.9	0.9	0.7	1.8	4.3	3.2	2.9	3.1	2.4	1.9	2.5	3.0	7.9	0.5
4	2.0	1.9	2.7	2.0	1.1	2.0	1.8	1.4	0.9	0.6	0.6	1.8	2.7	2.7	1.6	0.7	0.5	1.7	1.1	0.6	0.5	0.9	1.3	1.2	1.4	2.7	0.5
5	1.6	1.9	1.5	1.1	1.3	2.0	4.7	5.3	4.9	8.4	9.0	6.8	5.5	3.6	2.5	1.9	1.8	1.3	1.1	0.7	0.9	0.6	0.5	1.0	2.9	9.0	0.5
6	3.2	1.2	5.8	6.4	5.2	4.3	7.0	8.5	6.5	5.5	6.8	6.1	5.0	4.6	3.9	3.4	4.3	3.4	5.7	3.8	4.1	5.2	6.7	6.7	5.1	8.5	1.2
7	6.3	5.3	5.8	5.3	2.9	2.4	1.6	0.8	0.9	0.7	0.6	0.6	0.6	0.8	1.2	1.6	1.2	1.7	1.5	2.4	1.7	1.3	0.9	0.5	2.0	6.3	0.5
8	0.8	0.9	2.3	1.3	1.2	1.9	6.1	7.4	6.3	6.9	7.7	4.3	5.7	5.6	4.6	4.3	5.1	5.4	3.7	1.2	1.1	1.0	1.0	1.0	3.6	7.7	0.8
9	1.0	1.0	0.6	0.6	0.6	0.8	0.7	0.5	0.6	0.6	0.5	0.5	0.6	0.6	0.5	0.8	0.7	0.7	0.6	0.8	0.7	1.3	1.1	1.3	0.7	1.3	0.5
10	1.3	1.5	1.0	0.9	0.6	0.4	0.5	0.4	0.4	0.3	0.3	0.5	0.9	0.9	1.1	0.9	0.7	0.9	1.8	2.5	1.2	1.7	0.9	1.7	1.0	2.5	0.3
11	4.2	3.6	3.1	2.1	3.1	3.3	2.9	2.7	2.0	1.6	0.4	0.5	0.8	0.7	2.0	2.9	1.1	1.0	0.9	1.1	1.0	1.0	1.4	1.3	1.9	4.2	0.4
12	1.3	1.3	0.9	1.0	0.7	0.6	0.5	0.3	0.4	0.3	0.4	0.3	0.3	0.4	0.6	0.5	0.5	0.3	0.4	0.8	0.8	1.1	0.7	0.8	0.6	1.3	0.3
13	0.4	0.5	0.4	0.4	0.3	0.4	0.5	0.6	0.4	0.4	0.5	0.4	0.3	0.5	0.9	0.6	0.5	1.4	1.3	1.6	0.8	0.9	0.9	0.8	0.7	1.6	0.3
14	0.7	0.4	0.6	0.4	0.5	0.5	0.5	0.4	0.3	0.5	0.3	0.4	0.6	0.6	1.5	0.9	1.2	1.8	1.7	2.8	2.2	1.6	1.6	1.3	1.0	2.8	0.3
15	1.1	0.9	0.5	0.7	0.7	0.7	0.5	0.5	0.3	0.4	0.3	0.4	0.5	1.0	0.9	1.0	0.9	1.2	1.6	1.6	1.4	1.0	1.1	1.0	0.8	1.6	0.3
16	0.9	1.0	0.9	0.8	1.5	1.5	2.2	1.6	1.5	2.6	5.4	4.7	4.6	6.2	9.1	6.4	10.0	8.0	8.8	9.2	10.7	11.0	6.8	3.5	5.0	11.0	0.8
17	4.3	2.3	1.7	5.6	4.7	4.5	3.2	3.5	3.9	2.6	1.3	1.1	1.0	1.9	3.6	2.7	3.3	2.3	3.7	2.0	1.7	2.6	1.4	2.9	2.8	5.6	1.0
18	5.0	1.4	1.9	2.2	2.8	2.9	2.5	1.9	1.3	2.5	2.5	3.9	8.3	12.0	14.7	11.5	10.3	9.9	7.1	7.5	9.3	8.0	7.5	6.4	6.0	14.7	1.3
19	5.6	5.9	9.1	8.7	7.6	7.7	5.9	5.6	3.7	4.5	6.9	6.8	7.2	6.5	5.9	6.7	5.0	4.6	4.2	4.6	5.6	2.9	0.8	1.5	5.6	9.1	0.8
20	1.7	1.2	2.0	3.2	2.6	1.1	3.1	3.9	3.2	2.2	2.4	3.1	4.0	3.4	3.5	4.8	2.5	2.5	0.8	1.3	1.4	1.7	2.8	1.9	2.5	4.8	0.8
21	0.7	0.5	0.6	0.4	0.3	0.4	0.3	0.5	0.6	0.5	0.3	0.5	1.1	0.7	0.8	0.5	0.6	1.1	1.7	1.3	0.7	0.9	0.8	0.9	0.7	1.7	0.3
22	0.7	0.5	1.1	0.9	0.9	0.7	0.7	0.7	0.8	0.7	0.7	1.3	3.7	4.3	2.9	1.5	1.5	1.4	2.0	1.8	1.6	1.8	2.4	2.1	1.5	4.3	0.5
23	2.1	1.4	1.9	2.4	2.1	2.1	1.5	1.4	1.2	1.8	1.0	1.4	3.9	4.0	4.4	3.1	1.4	1.1	1.7	2.3	3.1	2.2	2.4	2.8	2.2	4.4	1.0
24	2.2	2.5	4.4	7.3	4.0	4.2	5.2	6.9	7.5	7.1	6.1	5.1	7.4	7.5	7.8	6.7	5.2	4.0	2.8	2.5	1.1	1.4	1.5	1.8	4.7	7.8	1.1
25	2.8	2.9	2.0	1.6	3.3	6.4	5.5	9.5	6.4	6.7	7.9	9.4	6.5	5.4	3.6	4.5	5.3	4.2	3.1	3.5	3.4	2.3	2.6	3.4	4.7	9.5	1.6
26	3.7	2.9	4.0	2.9	2.5	1.9	1.8	1.0	1.1	0.9	1.1	0.7	0.9	1.0	1.5	1.8	1.2	1.3	2.5	2.9	3.4	2.7	2.3	2.1	2.0	4.0	0.7
27	1.9	2.2	1.7	1.9	1.4	1.4	1.3	1.3	1.0	1.7	0.9	0.5	0.6	1.1	0.7	1.3	1.2	1.2	2.4	2.3	1.6	0.8	0.7	1.0	1.3	2.4	0.5
28	1.2	0.8	1.3	2.0	1.7	1.9	2.3	1.4	2.3	0.8	0.8	4.3	5.1	4.6	3.8	4.2	4.7	3.4	1.4	1.3	1.1	1.0	1.0	1.2	2.2	5.1	0.8
29	1.9	1.6	2.0	1.8	1.5	0.9	0.6	0.8	0.6	0.4	0.5	0.4	0.3	0.6	0.8	0.7	1.2	1.8	2.1	1.5	1.4	1.4	1.4	1.2	1.1	2.1	0.3
30	0.8	1.1	0.7	0.9	0.7	0.7	0.8	0.7	0.9	1.1	0.9	0.9	1.0	1.0	2.0	2.5	1.4	2.4	2.4	2.3	1.8	1.9	1.3	1.5	1.3	2.5	0.7
31	1.5	1.3	1.1	0.9	1.2	1.1	0.9	1.1	1.1	2.9	6.7	7.8	8.9	8.1	8.1	3.8	3.6	2.3	3.2	2.3	2.7	0.9	0.8	1.2	3.1	8.9	0.8
Avg	2.3	1.9	2.2	2.4	2.1	2.1	2.2	2.4	2.0	2.2	2.4	2.5	3.0	3.1	3.3	2.9	2.7	2.8	2.6	2.5	2.5	2.3	2.1	2.1	2.4	5.3	0.7
Max	7.9	6.5	9.1	8.7	7.6	7.7	7.0	9.5	7.5	8.4	9.0	9.4	8.9	12.0	14.7	11.5	10.3	9.9	8.8	9.2	10.7	11.0	7.5	7.3	6.0	14.7	1.6
Min	0.4	0.4	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.5	0.5	0.3	0.4	0.6	0.5	0.6	0.5	0.5	0.6	1.3	0.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
February 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.4	3.3	2.7	2.7	1.9	0.9	0.6	1.0	0.8	0.9	0.6	0.7	1.2	1.5	1.2	1.3	1.8	0.9	0.7	0.8	1.1	0.7	0.5	0.5	1.2	3.3	0.5
2	2.0	2.2	6.1	7.5	6.9	7.5	6.3	5.8	5.1	3.2	5.8	6.1	3.8	2.8	1.8	1.8	3.8	4.2	6.3	2.4	3.2	1.4	0.7	4.6	4.2	7.5	0.7
3	7.7	7.8	7.1	7.6	8.3	8.0	6.6	4.9	5.7	7.1	6.3	7.5	6.1	6.9	5.3	5.0	3.3	3.2	3.5	4.5	1.4	1.8	2.1	1.8	5.4	8.3	1.4
4	1.0	0.7	0.6	0.9	0.9	0.6	0.9	0.6	0.7	1.0	0.5	0.4	0.6	1.0	0.8	1.1	1.3	1.0	1.3	1.4	1.7	1.9	0.9	1.9	1.0	1.9	0.4
5	1.3	1.2	1.1	1.3	0.7	0.9	1.4	1.6	3.9	4.1	4.4	3.9	6.6	7.9	4.0	2.7	1.3	3.8	2.6	1.4	3.6	6.0	5.1	3.0	3.1	7.9	0.7
6	2.3	2.4	1.9	2.8	5.3	4.1	5.5	8.0	7.6	8.7	9.4	10.5	6.2	9.0	7.3	9.4	9.4	4.8	4.2	10.9	10.2	8.8	5.4	8.2	6.8	10.9	1.9
7	9.6	7.8	6.0	4.9	5.8	3.0	4.3	6.5	6.3	6.0	7.1	8.1	5.2	5.4	6.1	10.3	6.7	5.5	6.9	8.3	6.6	6.2	5.2	5.4	6.4	10.3	3.0
8	2.1	3.2	4.1	5.2	5.6	2.9	1.9	3.5	4.4	6.3	7.1	6.8	6.2	5.3	4.2	2.7	2.9	1.6	2.6	3.0	2.2	1.4	1.2	2.2	3.7	7.1	1.2
9	1.9	2.5	3.5	2.7	2.3	2.7	1.9	2.1	1.4	1.5	3.1	2.0	0.7	1.3	0.7	1.0	1.4	2.6	2.7	1.0	3.6	5.7	3.6	5.4	2.4	5.7	0.7
10	4.9	4.6	4.2	4.4	4.6	3.9	3.8	3.4	4.0	3.6	5.1	5.5	4.8	5.7	3.9	1.9	1.5	0.7	1.0	1.7	1.2	0.9	0.6	0.8	3.2	5.7	0.6
11	0.6	0.7	1.0	0.7	0.7	0.4	0.5	0.5	0.6	0.6	0.5	2.1	2.5	3.9	4.1	3.2	2.4	1.1	1.5	2.1	1.4	0.9	1.0	1.3	1.4	4.1	0.4
12	1.4	1.4	1.2	2.1	1.7	1.6	1.6	2.0	1.4	3.3	4.3	6.2	7.2	5.3	5.0	6.0	4.2	3.9	1.2	2.6	2.4	6.1	1.6	2.2	3.2	7.2	1.2
13	2.4	3.1	1.7	1.9	1.6	1.3	1.3	1.1	1.4	0.7	1.0	1.9	3.8	3.7	4.6	4.4	1.6	1.1	2.4	2.4	2.0	1.9	2.6	1.3	2.1	4.6	0.7
14	1.7	1.6	1.4	1.3	1.2	0.9	1.8	1.4	0.9	2.1	3.5	3.3	6.0	6.9	5.9	5.3	4.9	3.1	2.6	3.2	3.7	3.9	3.3	2.1	3.0	6.9	0.9
15	3.7	3.1	2.3	2.2	2.8	2.9	1.6	1.2	0.9	0.9	1.2	0.8	1.5	3.5	2.0	1.5	1.4	0.7	1.2	1.1	0.8	0.8	1.0	1.7	1.7	3.7	0.7
16	1.4	2.1	4.6	3.4	2.4	2.2	1.9	2.1	2.3	3.5	5.0	4.9	6.3	6.3	7.7	6.6	6.2	4.5	4.4	3.6	3.9	3.7	2.5	2.3	3.9	7.7	1.4
17	2.2	2.8	4.3	4.5	4.5	3.1	1.7	1.0	1.8	1.6	0.9	4.5	5.4	6.1	5.5	4.0	2.4	1.6	1.1	1.0	1.4	2.8	3.1	2.3	2.9	6.1	0.9
18	2.2	1.2	1.2	0.9	0.9	0.8	0.7	0.5	0.5	0.8	1.3	1.3	3.0	4.5	2.6	1.9	3.8	2.8	1.8	3.7	3.1	2.2	2.0	1.5	1.9	4.5	0.5
19	4.1	2.1	1.7	2.0	1.8	2.2	2.3	1.9	1.0	2.4	6.7	4.6	6.0	7.3	6.8	6.0	6.0	4.9	2.3	1.0	1.6	1.2	1.1	3.1	3.3	7.3	1.0
20	3.2	1.6	2.6	2.9	4.1	3.8	4.7	3.7	5.5	5.4	3.6	4.3	5.7	5.2	5.1	5.3	4.5	1.8	1.5	3.1	5.2	3.8	3.7	5.8	4.0	5.8	1.5
21	6.4	6.4	5.1	4.9	3.8	5.6	4.7	2.7	2.3	3.2	2.3	1.9	6.3	8.7	8.2	8.2	7.3	4.7	7.7	6.7	2.2	1.6	1.7	1.8	4.8	8.7	1.6
22	2.1	1.9	1.2	1.5	1.4	1.3	0.6	0.5	0.6	0.7	0.7	0.8	2.2	3.1	1.8	1.8	2.0	2.1	1.7	2.7	3.0	1.8	1.4	1.4	1.6	3.1	0.5
23	1.2	0.5	0.5	0.8	1.3	0.8	0.8	1.1	0.8	0.8	2.2	4.0	3.4	2.1	2.8	2.8	3.0	2.8	0.8	0.8	1.0	2.4	1.5	1.2	1.6	4.0	0.5
24	1.0	1.3	1.4	1.5	1.6	1.2	1.2	0.9	1.1	1.2	2.6	4.5	6.0	6.3	6.2	4.1	2.6	2.0	2.7	3.0	6.3	5.1	4.6	3.0	3.0	6.3	0.9
25	3.8	5.7	5.5	4.6	4.5	5.0	4.9	3.9	5.7	4.6	4.1	7.1	6.5	5.1	5.3	4.8	5.0	3.4	1.6	1.8	1.2	1.6	1.4	0.7	4.1	7.1	0.7
26	1.4	2.0	1.5	0.9	0.9	1.5	3.9	4.8	4.6	4.5	3.2	3.1	4.3	4.5	5.6	7.0	7.1	7.0	4.3	1.1	2.0	1.4	1.3	1.4	3.3	7.1	0.9
27	1.7	1.5	0.7	0.9	0.5	0.5	0.6	0.6	0.6	0.6	1.0	3.0	3.3	6.6	5.4	5.9	4.3	4.6	2.6	2.1	1.5	1.7	1.9	3.0	2.3	6.6	0.5
28	2.4	1.9	1.4	1.4	1.1	1.4	1.4	0.9	0.8	0.7	2.6	6.1	6.1	5.9	5.4	5.9	5.3	3.8	2.2	1.5	2.4	2.3	1.7	1.2	2.7	6.1	0.7
Avg	2.8	2.7	2.7	2.8	2.8	2.5	2.5	2.4	2.6	2.9	3.4	4.1	4.5	5.1	4.5	4.4	3.8	3.0	2.7	2.8	2.9	2.9	2.2	2.5	3.1	6.3	0.9
Max	9.6	7.8	7.1	7.6	8.3	8.0	6.6	8.0	7.6	8.7	9.4	10.5	7.2	9.0	8.2	10.3	9.4	7.0	7.7	10.9	10.2	8.8	5.4	8.2	6.8	10.9	3.0
Min	0.6	0.5	0.5	0.7	0.5	0.4	0.5	0.5	0.5	0.6	0.5	0.4	0.6	1.0	0.7	1.0	1.3	0.7	0.7	0.8	0.8	0.7	0.5	0.5	1.0	1.9	0.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
March 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.9	0.7	0.9	0.8	0.8	1.8	1.7	0.4	0.2	0.5	0.9	1.2	1.6	1.6	1.5	1.6	4.0	2.7	2.2	3.4	4.0	3.7	2.3	2.0	1.7	4.0	0.2
2	1.5	1.6	1.8	1.7	1.1	1.3	1.3	1.1	0.6	0.9	2.7	4.5	4.3	4.0	4.7	6.3	8.4	12.6	8.0	3.4	3.9	5.0	4.7	4.5	3.7	12.6	0.6
3	5.7	5.4	5.5	5.1	5.4	4.7	3.7	2.7	1.4	2.7	2.5	2.8	3.4	3.8	5.2	6.9	7.4	7.2	5.6	1.9	2.0	1.0	1.3	1.5	4.0	7.4	1.0
4	1.4	1.9	0.8	0.6	1.2	0.5	0.2	0.3	0.5	0.6	1.0	2.7	3.5	4.5	5.2	4.2	4.7	2.4	1.7	0.7	1.9	1.6	0.8	0.8	1.8	5.2	0.2
5	0.8	0.7	0.8	0.6	0.8	1.5	0.9	0.8	0.6	0.8	1.4	5.6	7.5	6.4	6.1	5.9	6.7	5.6	3.1	1.7	1.8	2.3	1.9	2.6	2.8	7.5	0.6
6	2.7	1.9	2.2	2.1	2.1	2.7	3.2	3.0	2.5	3.8	6.2	7.5	8.8	8.6	9.0	8.2	8.2	6.0	5.9	5.5	3.1	4.1	3.1	2.5	4.7	9.0	1.9
7	1.7	1.8	1.7	1.4	1.4	1.2	1.4	1.2	0.6	1.2	4.5	5.6	7.5	8.2	5.6	5.9	5.2	3.4	2.5	1.2	1.3	1.5	1.6	2.2	2.9	8.2	0.6
8	1.3	1.6	1.2	1.0	0.7	0.9	1.4	1.2	0.5	1.0	5.5	6.8	6.7	7.5	6.3	6.0	5.8	6.0	3.2	3.5	5.6	2.4	2.7	2.4	3.4	7.5	0.5
9	1.3	1.4	1.3	1.4	1.2	1.5	1.5	1.4	1.2	1.1	3.8	4.9	5.7	6.1	5.9	5.2	8.1	5.2	2.7	1.7	2.7	2.4	2.6	1.7	3.0	8.1	1.1
10	1.5	1.6	1.7	1.1	0.8	1.7	1.8	1.6	0.8	0.6	1.5	5.3	5.9	7.1	6.0	5.5	4.7	2.4	1.9	4.4	3.8	2.8	2.3	1.6	2.8	7.1	0.6
11	1.7	2.1	1.4	1.1	1.3	0.8	1.1	1.3	1.3	1.3	Au	Au	Au	Au	Au	Au	3.0	2.3	1.1	1.7	1.5	1.6	1.0	1.9	1.5	3.0	0.8
12	3.5	2.0	1.3	1.6	1.6	1.1	1.5	1.0	1.1	1.3	4.4	8.0	8.5	7.5	7.9	8.7	7.4	5.8	3.6	1.5	2.2	2.1	2.4	2.1	3.7	8.7	1.0
13	1.7	1.3	1.7	2.2	2.1	1.5	1.0	0.8	0.9	0.8	1.0	1.5	1.5	1.3	2.0	2.7	2.1	1.0	2.8	3.5	2.4	2.7	2.9	2.7	1.8	3.5	0.8
14	1.7	1.4	1.1	2.6	3.4	4.5	3.8	4.4	3.3	5.8	6.7	7.4	5.0	7.3	9.5	10.7	9.5	9.5	9.4	8.1	7.7	6.5	6.2	7.0	5.9	10.7	1.1
15	5.4	6.6	5.3	2.2	1.4	1.1	1.3	2.2	1.5	4.8	3.8	7.7	6.8	4.4	4.5	5.7	7.2	5.4	4.2	2.9	7.7	8.3	5.6	4.2	4.6	8.3	1.1
16	1.7	4.7	6.8	5.7	5.7	5.2	3.7	2.6	3.1	4.5	4.7	4.3	5.2	5.8	3.9	5.5	7.4	8.1	7.4	6.6	6.3	3.8	6.1	6.9	5.2	8.1	1.7
17	6.9	6.4	6.1	6.5	7.2	6.5	4.4	3.8	6.7	6.2	6.2	5.7	3.9	3.4	2.5	2.4	1.7	1.7	2.3	1.4	1.1	2.0	1.4	0.6	4.0	7.2	0.6
18	0.6	0.6	0.6	0.8	1.3	3.3	3.7	3.6	3.7	5.6	6.5	7.7	7.6	8.1	9.1	6.0	4.6	2.6	1.1	4.8	4.6	3.0	4.6	2.6	4.0	9.1	0.6
19	1.7	1.9	1.0	1.7	1.3	0.7	1.2	0.9	1.9	5.4	5.1	5.0	4.7	5.4	6.6	6.7	6.2	2.5	1.1	2.0	2.0	4.5	4.1	3.6	3.2	6.7	0.7
20	4.0	2.6	3.3	2.9	2.4	2.8	1.5	2.0	3.0	5.0	5.0	5.0	5.7	4.6	4.8	6.3	2.9	1.5	4.5	3.7	3.9	1.9	2.4	1.9	3.5	6.3	1.5
21	1.6	1.3	1.3	1.0	1.3	1.8	1.0	1.5	0.8	0.7	2.2	5.2	8.3	8.5	7.5	7.4	5.7	6.9	7.3	6.5	3.0	2.8	3.6	6.2	3.9	8.5	0.7
22	5.6	3.8	1.1	3.8	2.2	1.9	1.8	1.6	5.2	5.3	5.0	4.7	6.1	5.5	5.9	6.6	5.0	3.5	2.3	1.6	1.7	2.6	2.9	1.7	3.6	6.6	1.1
23	1.1	1.4	1.9	2.3	3.0	2.1	2.2	1.3	1.2	2.6	3.7	4.6	4.5	6.4	3.9	6.5	2.6	0.8	0.7	1.0	ND	ND	ND	ND	2.7	6.5	0.7
24	ND	ND	ND	ND	ND	ND	ND	0.3	2.0	1.8	3.0	3.4	4.4	4.1	4.2	5.1	5.7	4.4	4.2	3.2	3.7	3.1	3.3	2.1	3.4	5.7	0.3
25	1.1	2.4	2.3	0.9	1.0	1.7	0.9	1.0	3.8	6.1	7.1	7.3	6.7	7.9	8.2	8.8	9.2	6.1	2.6	4.5	5.7	6.1	5.0	4.1	4.6	9.2	0.9
26	4.6	3.5	1.6	2.5	1.6	1.4	1.1	1.0	0.9	3.5	6.3	7.8	8.6	9.3	8.3	8.3	7.9	7.5	7.5	4.3	1.4	2.5	2.4	2.0	4.4	9.3	0.9
27	1.7	2.0	1.6	1.8	1.4	0.8	1.1	0.9	0.9	3.6	6.4	7.5	6.5	7.3	6.7	6.4	7.4	7.3	3.3	2.8	3.8	2.5	1.9	2.4	3.7	7.5	0.8
28	1.7	1.7	1.3	0.9	1.0	0.9	1.8	2.0	8.3	9.0	10.7	10.6	10.5	13.4	13.8	13.6	13.8	11.9	12.0	8.7	4.2	1.1	2.5	1.4	6.5	13.8	0.9
29	2.2	1.7	1.3	1.2	1.3	0.9	1.6	1.4	4.8	3.7	4.5	6.5	6.4	6.5	9.5	10.0	8.5	9.0	9.3	5.9	5.8	5.7	6.0	4.8	4.9	10.0	0.9
30	6.5	5.0	2.5	1.2	3.0	3.4	1.9	1.3	1.7	5.3	5.6	5.7	5.8	6.4	6.3	5.7	4.2	4.0	2.2	3.7	3.9	3.3	2.9	1.8	3.9	6.5	1.2
31	1.9	1.5	1.2	1.1	2.3	2.2	2.2	1.3	1.3	3.9	3.9	6.0	5.8	6.6	9.3	7.6	6.0	5.6	4.4	4.0	7.9	7.0	6.7	5.9	4.4	9.3	1.1
Avg	2.5	2.4	2.1	2.0	2.0	2.1	1.9	1.6	2.1	3.2	4.4	5.6	5.9	6.3	6.3	6.5	6.2	5.2	4.2	3.5	3.7	3.3	3.2	2.9	3.7	7.8	0.9
Max	6.9	6.6	6.8	6.5	7.2	6.5	4.4	4.4	8.3	9.0	10.7	10.6	10.5	13.4	13.8	13.6	13.8	12.6	12.0	8.7	7.9	8.3	6.7	7.0	6.5	13.8	1.9
Min	0.6	0.6	0.6	0.6	0.7	0.5	0.2	0.3	0.2	0.5	0.9	1.2	1.5	1.3	1.5	1.6	1.7	0.8	0.7	0.7	1.1	1.0	0.8	0.6	1.5	3.0	0.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
January 2015

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	308	83	330	344	36	353	356	75	313	115	217	231	70	276	2	313	83	55	36	48	32	23	34	19	17
2	354	24	54	86	94	79	93	355	161	59	97	83	308	315	269	277	289	266	291	296	280	284	296	307	339
3	320	315	275	289	303	308	260	265	304	150	194	3	348	299	319	86	307	310	297	275	262	264	291	294	295
4	293	298	298	285	304	303	312	305	312	328	335	322	317	319	316	329	314	159	182	23	188	171	153	144	300
5	150	137	139	302	24	243	276	282	292	277	284	290	299	302	304	259	249	184	193	279	144	34	18	32	277
6	310	298	279	274	267	271	272	284	286	287	290	298	258	264	288	300	288	250	170	174	168	174	164	162	261
7	161	159	160	156	150	153	138	88	128	171	128	172	112	161	338	131	32	115	230	244	177	82	46	22	138
8	13	8	72	80	135	342	292	322	337	316	336	342	292	292	290	278	273	269	260	95	74	93	62	17	342
9	157	133	132	58	112	106	85	110	128	136	141	188	159	134	125	137	161	251	142	142	208	89	77	79	130
10	96	117	85	69	93	83	137	79	121	180	108	127	253	86	112	304	264	71	128	5	39	22	8	220	93
11	294	296	304	313	303	288	285	265	274	304	9	83	68	6	307	315	272	305	167	165	75	132	147	139	302
12	154	180	110	123	86	124	18	112	108	338	132	183	303	134	122	282	45	299	105	142	118	114	116	162	121
13	120	109	153	349	22	6	96	84	349	78	115	171	187	97	57	303	350	76	52	6	358	23	49	51	57
14	88	79	111	80	116	111	128	118	12	115	353	160	45	4	285	163	107	89	37	61	26	41	50	70	77
15	73	105	141	111	139	151	146	120	220	155	156	174	348	288	118	99	36	110	81	108	71	89	108	156	119
16	140	126	187	148	107	105	63	117	85	200	203	226	256	267	253	271	281	277	279	275	280	279	275	256	228
17	264	239	321	297	318	309	88	104	77	68	90	44	334	202	165	156	108	175	187	171	111	141	128	257	143
18	223	152	121	110	92	82	82	124	148	171	126	181	260	279	283	279	270	274	255	252	272	270	273	277	219
19	273	266	273	275	266	262	271	301	292	291	281	271	265	263	270	255	260	258	265	270	281	312	342	49	278
20	51	31	2	308	311	315	301	288	285	273	290	301	276	271	299	305	274	300	8	115	97	85	87	84	322
21	115	122	110	5	33	91	110	155	129	151	107	127	142	39	356	287	263	83	106	122	154	122	102	137	110
22	164	94	158	33	53	94	97	103	133	318	105	7	287	293	274	341	303	53	90	300	299	51	89	98	55
23	60	76	101	44	78	65	81	60	24	102	135	38	287	271	294	288	263	255	74	89	97	100	74	72	66
24	79	190	258	265	265	272	268	267	258	270	272	270	267	264	263	265	272	304	332	36	262	30	125	47	276
25	334	328	321	182	1	295	301	290	298	298	297	287	304	301	310	291	300	309	321	310	324	54	79	85	314
26	95	89	81	75	49	31	107	23	133	48	160	85	289	27	71	201	229	126	84	64	81	82	66	85	81
27	67	74	66	127	142	160	120	125	98	97	62	357	111	134	19	121	135	126	103	93	144	118	352	62	100
28	114	104	129	69	35	338	348	65	98	106	345	254	259	284	294	305	23	24	26	51	120	146	125	49	49
29	117	114	104	60	74	106	84	154	111	228	312	256	214	351	27	341	100	79	78	72	96	82	118	116	92
30	69	113	33	89	51	42	43	61	2	88	132	100	39	359	309	309	264	108	59	95	54	85	41	102	60
31	45	68	80	351	106	76	79	28	91	311	315	315	305	295	304	291	263	246	306	291	312	251	286	303	326
Prev	85	101	100	41	59	43	67	74	64	153	127	249	290	299	310	286	287	263	85	69	97	82	71	77	45

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
February 2015

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	45	86	76	94	87	104	86	226	94	152	190	31	111	98	36	40	21	55	120	95	82	28	342	248	79
2	76	39	272	268	269	271	271	278	292	258	250	267	301	312	72	109	190	202	227	286	239	292	126	277	266
3	267	268	267	261	267	273	278	265	272	269	278	280	287	287	277	279	299	283	263	287	151	216	266	296	271
4	300	131	77	266	163	49	189	202	112	127	344	61	334	359	23	322	345	157	136	72	94	72	67	34	68
5	17	105	116	138	85	41	138	27	101	104	100	105	218	244	316	302	279	89	161	125	172	213	207	205	130
6	156	142	122	169	201	198	213	218	223	224	222	232	205	214	221	221	204	153	159	219	217	208	199	212	200
7	221	223	219	214	163	170	154	162	167	170	188	174	217	225	276	281	261	259	260	278	264	287	270	281	225
8	303	250	269	264	283	280	277	289	269	275	270	268	270	263	274	287	296	114	107	98	101	97	143	98	267
9	145	129	110	126	113	85	141	154	144	298	317	85	54	14	332	26	274	236	183	88	280	283	269	274	124
10	265	262	270	262	272	290	297	296	287	281	294	290	295	327	326	318	321	275	172	97	119	148	329	86	289
11	255	136	126	41	95	90	115	135	105	12	61	290	272	266	270	277	252	269	94	98	93	73	112	79	99
12	95	101	90	105	111	108	120	35	14	322	278	266	268	268	271	267	263	271	57	88	32	309	169	88	43
13	100	70	69	61	69	53	68	69	82	36	39	301	282	290	275	265	246	154	100	94	104	83	84	77	68
14	72	111	149	84	145	45	134	133	203	134	304	287	277	297	297	306	358	3	344	325	310	312	324	317	334
15	297	304	344	326	315	291	265	161	109	324	318	303	98	320	265	324	321	69	52	121	52	5	124	352	338
16	26	268	336	329	306	289	303	314	271	277	262	277	264	290	303	320	313	299	300	272	268	264	260	296	293
17	323	311	305	320	324	316	319	302	321	332	27	287	289	292	294	298	288	297	280	320	301	68	84	95	316
18	59	14	119	71	276	104	272	44	150	359	46	16	268	267	288	297	297	303	306	80	81	63	83	352	10
19	270	246	75	25	109	129	37	64	41	304	276	247	246	259	268	276	300	297	284	17	97	315	319	275	306
20	327	316	299	296	279	297	308	301	292	292	284	278	318	305	331	267	267	276	314	10	349	349	355	321	307
21	343	6	4	343	340	319	317	320	343	313	283	295	333	336	339	338	333	326	327	343	339	116	325	115	335
22	76	15	35	97	31	140	37	332	87	28	155	342	302	257	272	252	287	282	124	90	82	55	65	55	40
23	122	353	42	57	131	119	137	131	103	78	315	263	282	317	274	266	318	332	5	352	22	85	82	150	38
24	122	2	63	35	49	37	126	164	160	68	301	272	286	285	282	279	307	307	31	17	288	290	300	317	332
25	302	299	295	319	325	310	304	292	315	314	315	302	302	302	284	271	278	264	263	251	263	269	301	281	293
26	297	267	304	305	239	214	160	156	149	157	155	153	154	159	158	155	151	154	156	114	92	88	99	77	156
27	50	53	356	122	93	122	143	62	131	23	353	277	279	261	244	253	253	309	352	345	334	120	122	85	29
28	78	87	76	24	50	46	77	40	142	139	261	255	255	251	241	258	277	263	252	242	96	82	53	78	74
Prev	12	14	38	13	58	52	172	265	134	323	293	283	277	284	289	287	288	278	248	45	58	33	52	10	306

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
March 2015

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	124	43	92	9	347	84	66	106	68	37	5	344	14	15	330	12	177	151	116	109	106	104	123	147	69
2	152	132	132	100	19	64	68	53	143	299	307	317	357	4	345	8	7	14	14	293	313	320	327	335	7
3	335	332	341	336	333	357	339	327	290	268	270	245	260	270	261	289	303	319	334	329	276	317	120	65	310
4	81	94	25	90	132	19	68	102	62	56	36	274	275	266	282	275	275	282	313	118	103	112	90	97	59
5	108	87	21	34	69	122	87	90	2	341	21	263	268	274	265	280	273	282	271	231	131	112	110	102	34
6	110	118	74	56	95	75	53	62	34	319	267	277	274	280	285	285	286	280	283	301	21	75	81	81	7
7	83	58	60	52	41	35	38	66	40	358	286	276	287	324	307	305	321	303	282	339	94	127	80	84	14
8	23	95	145	130	80	28	79	77	318	58	271	258	261	268	263	263	270	276	266	276	269	199	99	70	286
9	106	86	53	92	118	127	61	42	19	54	279	285	284	275	275	268	275	275	280	122	111	79	81	105	59
10	54	32	72	151	150	95	87	55	317	10	26	260	266	261	259	269	290	265	168	95	80	75	122	160	79
11	103	147	150	172	166	152	171	89	124	132	Au	Au	Au	Au	Au	Au	229	240	129	93	70	64	46	271	135
12	260	301	140	99	85	83	100	49	341	94	271	264	258	270	275	274	284	287	289	151	84	105	70	53	344
13	58	78	52	100	58	39	20	14	133	345	48	50	52	52	277	277	272	341	102	101	115	118	107	108	60
14	150	166	97	109	104	95	87	155	145	177	184	196	208	217	227	241	243	251	249	235	232	234	228	220	191
15	222	222	227	259	205	184	307	264	257	225	257	253	257	240	251	233	212	206	207	227	270	242	214	198	235
16	241	258	301	298	281	301	272	264	316	316	327	297	269	258	275	174	162	163	156	157	152	153	159	151	244
17	153	156	160	159	155	159	156	163	163	164	166	165	164	160	158	164	156	156	147	139	150	297	257	286	165
18	176	153	99	172	112	269	257	266	270	258	249	258	266	263	262	304	295	307	305	273	273	280	280	294	263
19	313	316	346	328	209	257	126	99	310	261	255	253	251	255	256	272	278	274	206	122	88	285	271	272	268
20	268	263	293	339	348	306	140	148	289	290	249	243	242	246	243	259	263	219	83	69	76	115	66	100	262
21	108	73	103	105	105	104	133	144	108	92	155	244	248	244	269	282	268	279	292	291	283	282	317	291	227
22	280	272	50	286	267	291	8	134	257	255	259	267	260	277	279	278	286	230	205	132	104	77	127	115	259
23	137	174	166	159	152	140	128	129	121	159	163	227	273	270	325	287	343	214	25	86	107	113	180	288	162
24	284	125	152	306	272	240	213	277	317	279	272	250	272	267	259	262	264	323	308	271	279	287	277	279	271
25	241	277	305	182	260	316	292	80	272	259	254	249	254	245	270	266	275	267	242	260	261	273	272	280	265
26	282	294	293	304	11	349	330	326	26	296	265	262	254	265	268	272	274	263	260	262	27	109	92	86	298
27	100	58	86	47	38	352	79	156	49	302	278	262	265	258	267	269	271	284	309	124	87	102	89	82	23
28	59	132	169	171	128	119	120	6	209	222	272	279	280	261	272	265	279	281	288	311	343	28	325	67	272
29	87	93	112	119	190	129	91	61	272	260	280	261	262	257	266	274	272	275	262	264	272	272	266	282	256
30	287	302	323	337	105	81	93	118	33	259	257	253	262	255	258	272	278	278	244	89	75	77	88	102	297
31	93	126	150	169	104	117	122	154	68	166	202	184	168	206	227	263	270	239	119	291	286	275	265	271	188
Prev	117	108	90	98	103	76	84	90	358	288	269	259	264	264	269	273	272	268	261	196	85	102	109	102	262

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
January 2015

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

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
February 2015

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

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
March 2015

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

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
January 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-18.5	-18.9	-19.4	-18.7	-18.9	-17.0	-17.4	-16.2	-16.5	-15.9	-15.1	-12.8	-10.5	-9.1	-8.2	-7.8	-8.6	-10.8	-12.3	-12.9	-14.0	-14.3	-13.8	-14.7	-14.3	-7.8	-19.4
2	-14.7	-15.3	-16.5	-16.7	-16.8	-16.7	-17.0	-17.2	-17.3	-16.3	-11.7	-8.8	-3.0	-0.4	-0.4	-0.9	-0.8	-0.9	-1.7	-1.9	-2.1	-6.7	-9.8	-10.7	-9.3	-0.4	-17.3
3	-12.8	-14.6	-16.3	-17.6	-18.5	-19.1	-20.5	-20.7	-20.4	-19.9	-19.3	-18.2	-17.1	-16.6	-15.6	-15.0	-15.2	-16.5	-17.0	-17.7	-18.6	-19.4	-19.6	-19.9	-17.8	-12.8	-20.7
4	-20.1	-20.2	-20.5	-21.0	-21.1	-21.2	-21.4	-21.3	-21.0	-20.7	-20.2	-19.5	-19.4	-19.1	-18.8	-18.2	-17.8	-17.7	-17.5	-17.2	-16.8	-16.1	-15.2	-13.4	-19.0	-13.4	-21.4
5	-11.1	-8.5	-7.0	-5.6	-4.7	-3.6	-0.2	0.0	0.3	1.4	1.4	-0.6	-2.4	-2.9	-2.5	-2.7	-2.8	-3.1	-2.9	-3.0	-2.7	-2.5	-2.2	-0.4	-2.8	1.4	-11.1
6	1.7	1.8	3.6	3.7	3.3	3.3	3.6	4.2	4.5	4.7	4.9	3.4	-4.4	-8.5	-9.7	-10.6	-13.0	-13.5	-13.9	-13.6	-13.5	-13.8	-14.7	-15.3	-4.2	4.9	-15.3
7	-15.4	-15.0	-14.6	-14.4	-13.8	-13.9	-14.2	-15.0	-16.6	-16.7	-15.7	-13.6	-11.5	-9.3	-7.0	-4.8	-3.7	-3.5	-3.6	-4.5	-2.9	-5.2	-6.8	-7.3	-10.4	-2.9	-16.7
8	-9.2	-9.7	-8.8	-9.9	-8.8	-7.7	-3.9	-5.8	-8.5	-9.7	-11.3	-12.3	-13.8	-14.4	-14.3	-14.5	-14.8	-15.2	-16.9	-18.9	-21.7	-24.2	-26.1	-27.0	-13.6	-3.9	-27.0
9	-27.0	-28.1	-29.4	-30.1	-30.6	-31.1	-30.7	-30.8	-30.4	-29.1	-26.7	-23.2	-19.7	-16.0	-13.3	-11.7	-11.3	-11.8	-12.0	-12.3	-13.0	-12.7	-12.5	-12.2	-21.1	-11.3	-31.1
10	-12.2	-12.3	-12.6	-12.8	-13.4	-13.8	-14.3	-14.3	-14.1	-12.7	-11.3	-9.0	-7.1	-4.7	-1.6	-1.7	-1.1	-1.4	-0.8	0.3	-0.6	-0.3	-0.5	-0.2	-7.2	0.3	-14.3
11	0.2	0.1	0.0	-0.7	-1.4	-2.2	-3.8	-5.2	-6.0	-6.6	-6.7	-6.4	-5.3	-4.6	-4.4	-5.0	-5.4	-5.5	-5.6	-5.7	-6.1	-6.9	-8.1	-8.1	-4.6	0.2	-8.1
12	-8.3	-8.8	-10.4	-11.0	-12.6	-14.7	-16.1	-16.7	-18.1	-17.5	-15.3	-12.8	-11.0	-8.7	-7.1	-6.5	-6.2	-6.5	-7.1	-7.3	-7.4	-7.9	-9.8	-12.4	-10.8	-6.2	-18.1
13	-14.8	-16.1	-17.0	-18.3	-19.0	-19.5	-20.2	-20.4	-20.6	-19.9	-17.9	-15.8	-13.5	-10.8	-8.1	-8.4	-8.6	-10.7	-12.4	-13.1	-13.0	-14.6	-15.2	-16.1	-15.2	-8.1	-20.6
14	-16.1	-17.0	-17.1	-17.9	-18.3	-18.8	-19.2	-19.3	-19.5	-18.5	-16.8	-14.5	-11.2	-6.8	-5.1	-5.2	-5.9	-8.6	-10.0	-9.6	-9.8	-10.9	-12.0	-13.0	-13.4	-5.1	-19.5
15	-13.3	-13.7	-14.2	-14.2	-15.5	-15.0	-15.7	-15.1	-14.5	-13.6	-12.3	-9.4	-7.3	-4.7	-3.4	-2.7	-4.2	-6.2	-8.6	-10.0	-11.7	-11.7	-12.4	-12.1	-10.9	-2.7	-15.7
16	-13.0	-12.7	-11.1	-10.6	-8.4	-7.4	-6.9	-6.9	-4.9	0.5	2.7	2.9	2.8	2.9	2.7	2.5	2.0	1.1	0.4	-0.2	-0.2	-0.6	-1.5	-2.7	-2.8	2.9	-13.0
17	-3.0	-3.6	-4.1	-3.4	-4.6	-4.3	-6.6	-8.2	-10.5	-10.6	-9.5	-7.3	-5.1	-0.8	1.4	0.8	0.7	-0.2	0.3	-0.7	-0.8	-1.1	-0.4	0.0	-3.4	1.4	-10.6
18	0.9	0.2	0.2	0.8	0.8	1.2	2.1	1.7	1.6	1.9	3.1	5.3	6.1	5.2	4.3	3.1	2.3	1.8	1.0	0.6	1.1	1.0	0.7	0.6	2.0	6.1	0.2
19	0.3	0.2	0.2	0.0	-0.5	-1.0	-1.2	-1.5	-2.0	-1.5	-0.7	-0.2	0.0	-0.4	-0.4	-0.4	-0.6	-1.1	-2.0	-2.3	-2.9	-4.4	-5.9	-6.6	-1.5	0.3	-6.6
20	-6.3	-5.9	-5.2	-4.8	-4.9	-5.7	-5.3	-5.1	-5.3	-5.2	-4.9	-4.2	-3.6	-3.3	-3.3	-3.6	-4.6	-5.9	-6.2	-7.5	-8.4	-9.6	-9.0	-9.2	-5.7	-3.3	-9.6
21	-11.0	-13.1	-14.9	-16.7	-17.5	-18.5	-19.6	-19.8	-20.8	-20.3	-18.5	-16.0	-13.3	-10.7	-9.4	-8.6	-9.1	-11.1	-13.6	-14.6	-15.4	-16.8	-17.2	-17.3	-15.2	-8.6	-20.8
22	-18.2	-18.2	-17.9	-17.1	-16.2	-15.9	-16.4	-15.9	-16.8	-16.4	-14.2	-8.6	0.2	1.4	1.4	0.8	0.8	-0.3	-3.1	-2.2	-1.4	-2.0	-4.2	-6.7	-8.6	1.4	-18.2
23	-6.5	-4.5	-3.4	-5.5	-6.5	-7.3	-9.1	-10.9	-11.4	-9.3	-6.6	-3.9	0.9	1.8	1.8	1.6	1.2	0.2	-0.4	-4.3	-5.5	-5.8	-4.2	-2.7	-4.2	1.8	-11.4
24	0.0	2.4	3.8	4.1	4.1	3.9	4.1	4.2	3.8	4.2	4.3	5.0	5.2	4.7	4.6	4.1	4.1	3.8	3.1	2.0	1.0	-0.3	-1.0	0.9	3.2	5.2	-1.0
25	2.9	3.6	3.2	3.7	4.1	5.0	5.1	6.0	6.0	5.8	6.4	6.7	6.8	6.9	7.1	7.9	7.9	7.4	6.1	6.1	5.6	6.1	5.8	4.0	5.7	7.9	2.9
26	3.1	3.5	0.3	-0.7	-1.2	-1.6	-1.5	-2.6	-2.3	-1.5	-0.1	2.1	4.2	7.3	9.8	9.5	9.6	6.2	3.7	1.6	1.0	0.0	-1.1	-2.2	2.0	9.8	-2.6
27	-2.5	-2.8	-2.7	-2.7	-3.3	-2.8	-3.1	-3.2	-3.4	-2.5	-1.5	-0.3	2.6	4.4	5.3	6.6	5.8	3.6	1.1	-0.2	-1.6	-1.7	-1.8	-1.8	-0.4	6.6	-3.4
28	-2.4	-3.2	-3.0	1.0	2.3	1.7	0.8	1.0	-2.4	-3.5	-1.3	2.8	3.3	3.5	3.4	3.4	2.3	1.5	1.1	-0.1	-1.4	-2.5	-4.1	-4.9	-0.0	3.5	-4.9
29	-5.8	-7.6	-8.5	-9.3	-10.5	-11.3	-11.5	-12.1	-12.9	-11.2	-9.6	-7.0	-3.8	-0.3	2.4	2.4	1.3	-1.7	-3.7	-5.8	-7.2	-8.4	-9.1	-10.0	-6.7	2.4	-12.9
30	-10.8	-11.7	-11.8	-12.2	-13.3	-12.8	-13.3	-13.9	-13.7	-11.2	-8.1	-5.3	-2.1	2.0	2.8	2.8	2.2	-1.4	-3.8	-5.7	-7.1	-8.5	-10.0	-10.3	-7.4	2.8	-13.9
31	-12.0	-12.4	-12.4	-12.3	-11.7	-11.3	-11.3	-11.9	-11.9	-7.8	-5.0	-6.0	-7.8	-8.8	-10.2	-12.3	-13.1	-14.0	-14.2	-14.5	-14.6	-14.4	-14.2	-14.1	-11.6	-5.0	-14.6
Avg	-8.9	-9.1	-9.3	-9.4	-9.6	-9.6	-9.8	-10.1	-10.5	-9.7	-8.3	-6.7	-5.2	-3.9	-3.1	-3.1	-3.4	-4.6	-5.6	-6.3	-6.8	-7.6	-8.3	-8.6	-7.4	-1.1	-13.4
Max	3.1	3.6	3.8	4.1	4.1	5.0	5.1	6.0	6.0	5.8	6.4	6.7	6.8	7.3	9.8	9.5	9.6	7.4	6.1	6.1	5.6	6.1	5.8	4.0	5.7	9.8	2.9
Min	-27.0	-28.1	-29.4	-30.1	-30.6	-31.1	-30.7	-30.8	-30.4	-29.1	-26.7	-23.2	-19.7	-19.1	-18.8	-18.2	-17.8	-17.7	-17.5	-18.9	-21.7	-24.2	-26.1	-27.0	-21.1	-13.4	-31.1

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
February 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-15.0	-17.1	-18.9	-20.1	-21.1	-21.7	-22.1	-22.8	-22.6	-20.7	-18.3	-14.3	-8.0	-4.5	-3.7	-3.7	-4.9	-5.2	-5.4	-5.3	-5.3	-5.3	-5.4	-5.3	-12.4	-3.7	-22.8
2	-5.0	-4.1	-1.1	-0.8	-0.7	-0.4	-0.5	-0.7	-1.1	-0.7	0.2	0.8	1.1	1.1	1.0	1.3	2.5	2.6	1.9	1.4	1.0	0.5	0.4	2.1	0.1	2.6	-5.0
3	2.9	2.7	2.5	2.1	2.1	1.9	1.4	1.0	1.0	1.2	1.3	1.6	1.6	1.7	1.5	0.5	-1.8	-4.2	-9.4	-11.3	-11.2	-10.9	-11.8	-11.8	-1.9	2.9	-11.8
4	-11.7	-11.5	-11.3	-11.1	-11.3	-12.4	-13.4	-14.3	-14.3	-13.0	-11.0	-8.1	-6.4	-3.6	-2.5	-1.7	-1.4	-2.2	-2.8	-3.2	-2.9	-2.8	-3.0	-2.5	-7.4	-1.4	-14.3
5	-2.7	-2.6	-2.9	-3.2	-3.5	-3.5	-3.0	-2.6	-1.3	-0.3	0.7	3.9	7.9	7.1	5.2	5.4	4.9	3.2	1.1	1.3	4.5	7.5	7.9	7.4	1.8	7.9	-3.5
6	4.8	3.8	4.2	3.7	7.6	8.4	9.0	9.3	9.6	10.9	11.1	11.0	11.1	11.6	11.7	11.5	10.7	9.3	9.6	10.3	9.7	9.5	9.3	9.1	9.0	11.7	3.7
7	9.0	8.6	8.1	7.7	5.4	5.9	5.1	5.1	4.5	4.4	5.0	5.0	5.6	5.5	6.3	7.1	6.2	5.5	5.5	5.6	5.3	5.1	4.7	4.6	5.9	9.0	4.4
8	4.8	4.5	4.6	4.5	3.8	3.5	3.2	3.4	3.8	4.1	4.8	5.4	5.8	6.4	6.7	7.0	6.6	4.5	0.8	0.0	-0.7	-0.2	-0.9	-1.1	3.6	7.0	-1.1
9	-1.1	-1.2	-0.6	-1.4	-2.1	-1.4	-1.0	0.1	2.2	1.5	1.5	1.3	2.1	3.1	3.5	3.9	3.8	3.8	3.6	3.5	3.4	3.7	3.3	3.3	1.6	3.9	-2.1
10	2.9	2.1	2.0	1.9	1.7	1.7	1.6	1.4	1.3	1.5	1.6	1.5	1.8	1.7	1.7	1.9	2.0	1.5	0.4	-0.3	-1.4	-1.7	-2.2	-2.2	1.0	2.9	-2.2
11	-2.1	-2.5	-3.4	-4.9	-5.6	-6.4	-7.2	-7.3	-7.3	-5.3	-2.3	1.3	3.7	4.9	5.2	5.4	4.9	3.0	0.6	-1.2	-2.0	-2.5	-3.2	-2.7	-1.5	5.4	-7.3
12	-2.4	-0.5	-1.0	-1.4	-2.1	-2.4	-2.2	0.4	1.3	3.4	5.2	6.1	6.5	6.3	7.1	7.4	7.1	6.1	5.2	2.6	2.8	4.4	2.7	1.3	2.7	7.4	-2.4
13	-0.1	-0.3	-1.7	-2.2	-3.1	-3.7	-4.4	-4.8	-4.6	-2.8	1.4	6.6	8.1	8.9	9.6	9.8	9.5	7.6	3.0	1.3	0.8	0.1	0.0	-0.5	1.6	9.8	-4.8
14	-0.4	-1.2	-1.8	-2.3	-1.9	-1.8	-1.2	-0.8	-0.6	0.5	5.4	6.6	8.1	7.7	6.1	5.0	3.5	2.7	1.9	1.2	0.8	0.4	-0.4	-0.9	1.5	8.1	-2.3
15	-1.0	-1.5	-1.2	-1.4	-2.0	-3.0	-3.4	-4.3	-4.1	-3.0	-2.3	-1.1	-0.2	-1.2	-2.8	-2.1	-1.6	-2.8	-3.9	-4.7	-5.1	-5.9	-5.4	-5.2	-2.9	-0.2	-5.9
16	-4.8	-4.8	-4.9	-4.9	-4.9	-5.1	-5.1	-5.1	-5.4	-5.4	-5.1	-4.9	-4.6	-4.6	-4.1	-4.7	-4.4	-5.0	-5.8	-5.9	-5.8	-6.0	-7.0	-6.8	-5.2	-4.1	-7.0
17	-6.8	-6.6	-6.2	-6.4	-6.7	-6.8	-7.0	-7.5	-8.3	-7.9	-6.3	-4.7	-3.5	-2.5	-1.7	-1.4	-1.3	-1.3	-2.2	-3.3	-4.3	-5.7	-7.5	-9.3	-5.2	-1.3	-9.3
18	-9.8	-10.3	-10.1	-9.6	-9.0	-7.5	-7.2	-7.5	-7.1	-5.9	-0.4	1.6	3.1	3.5	3.9	4.7	5.3	4.8	3.7	1.1	-0.4	-0.6	1.3	3.5	-2.0	5.3	-10.3
19	4.6	3.2	2.2	1.5	0.0	-0.9	-0.1	0.3	1.0	1.8	3.1	3.3	3.6	3.5	3.8	3.7	3.3	2.3	1.1	0.0	-0.5	-0.1	-0.2	-0.4	1.7	4.6	-0.9
20	-1.7	-1.9	-1.6	-1.9	-1.8	-1.9	-2.0	-2.1	-2.3	-2.6	-1.9	-0.7	-0.5	0.1	-1.1	-0.9	-1.7	-2.3	-2.3	-2.1	-2.7	-3.2	-3.8	-4.3	-2.0	0.1	-4.3
21	-5.4	-7.2	-8.5	-9.6	-9.9	-10.4	-10.8	-10.9	-11.0	-10.7	-10.1	-9.6	-9.0	-8.9	-9.1	-9.7	-10.6	-12.1	-14.0	-15.6	-17.6	-20.6	-21.7	-22.6	-11.9	-5.4	-22.6
22	-24.5	-25.6	-25.6	-27.1	-27.9	-28.7	-29.7	-30.5	-29.0	-26.2	-21.3	-15.8	-13.6	-12.4	-11.2	-10.2	-9.9	-10.7	-14.2	-17.0	-18.5	-20.3	-21.6	-22.4	-20.6	-9.9	-30.5
23	-22.8	-23.8	-24.3	-24.3	-24.4	-24.0	-24.1	-23.7	-22.1	-17.2	-11.6	-7.3	-6.4	-5.4	-3.4	-2.4	-2.4	-2.8	-3.6	-4.0	-3.6	-3.7	-4.2	-6.0	-12.4	-2.4	-24.4
24	-6.0	-7.7	-9.0	-10.2	-11.0	-11.7	-12.2	-12.5	-12.3	-9.2	-1.3	1.0	1.8	2.0	1.4	0.7	0.4	0.4	-0.4	-0.4	-1.1	-1.8	-2.0	-2.2	-4.3	2.0	-12.5
25	-2.1	-2.3	-2.9	-3.2	-3.6	-3.9	-4.2	-4.5	-5.2	-7.1	-7.8	-7.8	-7.2	-7.8	-8.2	-8.7	-9.4	-10.6	-11.2	-11.5	-11.8	-12.1	-12.8	-13.0	-7.5	-2.1	-13.0
26	-12.7	-12.9	-13.6	-14.1	-14.6	-15.3	-15.7	-16.7	-16.9	-15.7	-14.3	-13.1	-12.5	-11.7	-11.1	-11.6	-12.4	-14.0	-15.9	-16.6	-18.2	-20.2	-22.3	-23.0	-15.2	-11.1	-23.0
27	-23.9	-24.3	-24.9	-25.4	-26.0	-25.6	-26.1	-26.1	-24.3	-21.4	-15.6	-11.8	-11.0	-10.4	-10.5	-11.3	-11.6	-11.5	-12.9	-14.2	-14.2	-15.5	-16.7	-18.0	-18.1	-10.4	-26.1
28	-19.9	-20.6	-22.2	-22.8	-23.0	-23.4	-24.4	-24.4	-23.3	-20.1	-13.8	-12.1	-11.6	-10.9	-10.8	-10.7	-10.8	-11.9	-13.6	-15.0	-18.4	-20.8	-21.7	-22.1	-17.8	-10.7	-24.4
Avg	-5.5	-5.9	-6.2	-6.7	-7.0	-7.2	-7.4	-7.4	-7.1	-5.9	-3.6	-1.9	-0.8	-0.3	-0.2	-0.1	-0.5	-1.4	-2.8	-3.7	-4.2	-4.6	-5.1	-5.4	-4.2	1.0	-10.2
Max	9.0	8.6	8.1	7.7	7.6	8.4	9.0	9.3	9.6	10.9	11.1	11.0	11.1	11.6	11.7	11.5	10.7	9.3	9.6	10.3	9.7	9.5	9.3	9.1	9.0	11.7	4.4
Min	-24.5	-25.6	-25.6	-27.1	-27.9	-28.7	-29.7	-30.5	-29.0	-26.2	-21.3	-15.8	-13.6	-12.4	-11.2	-11.6	-12.4	-14.0	-15.9	-17.0	-18.5	-20.8	-22.3	-23.0	-20.6	-11.1	-30.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
March 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-22.3	-20.7	-18.8	-16.0	-16.5	-18.8	-21.2	-21.6	-20.8	-18.7	-14.7	-10.5	-8.2	-7.0	-6.0	-5.5	-4.7	-5.8	-8.3	-10.5	-12.3	-13.5	-15.0	-15.6	-13.9	-4.7	-22.3
2	-15.7	-16.3	-16.2	-16.7	-16.9	-17.6	-18.4	-17.5	-15.8	-12.5	-5.3	-2.8	-3.2	-3.9	-4.3	-5.3	-6.6	-8.7	-10.5	-11.1	-11.9	-12.5	-13.2	-13.6	-11.5	-2.8	-18.4
3	-14.8	-15.3	-16.1	-16.7	-17.1	-17.7	-19.0	-19.8	-19.4	-18.1	-17.0	-15.8	-14.8	-13.7	-12.8	-12.0	-11.9	-12.2	-13.2	-15.2	-16.6	-19.0	-20.9	-21.8	-16.3	-11.9	-21.8
4	-23.8	-24.3	-25.0	-24.3	-23.9	-24.4	-25.3	-25.5	-25.0	-21.2	-15.0	-10.3	-8.7	-7.4	-6.3	-5.3	-4.7	-4.6	-5.5	-7.6	-11.5	-13.2	-14.8	-15.7	-15.6	-4.6	-25.5
5	-16.6	-17.3	-17.6	-17.2	-17.3	-17.5	-17.9	-18.4	-16.1	-12.7	-5.2	0.3	1.3	1.5	1.7	2.5	2.5	2.7	1.4	-0.4	-3.0	-5.4	-6.7	-6.7	-7.6	2.7	-18.4
6	-7.3	-8.6	-9.6	-9.7	-10.1	-9.9	-9.0	-9.1	-6.2	0.3	3.3	4.4	5.3	6.0	6.5	6.8	6.8	6.4	5.9	5.2	2.3	-0.2	-2.0	-3.0	-1.1	6.8	-10.1
7	-3.6	-4.4	-5.1	-5.6	-6.4	-6.6	-7.0	-7.0	-5.8	-1.1	4.3	5.1	5.8	4.8	4.9	5.4	5.5	5.2	4.9	3.4	2.3	0.9	0.0	-0.5	-0.0	5.8	-7.0
8	-1.1	-1.8	-3.2	-5.0	-6.0	-6.8	-7.5	-8.0	-6.7	-2.0	2.9	4.1	4.7	5.3	5.8	6.6	6.9	6.6	5.5	4.2	4.0	2.5	-0.7	-2.8	0.3	6.9	-8.0
9	-4.5	-5.4	-6.1	-6.7	-7.3	-7.4	-7.7	-7.3	-5.2	0.3	4.4	5.4	6.5	7.5	8.1	8.8	9.1	8.0	6.5	4.2	0.7	-1.4	-2.1	-2.8	0.2	9.1	-7.7
10	-3.9	-4.5	-4.8	-5.6	-6.7	-7.0	-6.8	-6.6	-4.7	-1.5	4.7	8.0	8.9	9.5	10.1	10.6	10.9	10.8	7.1	2.5	1.0	-0.4	-1.4	-2.6	1.2	10.9	-7.0
11	-2.2	-2.5	-2.2	-2.4	-2.5	-1.4	-1.2	-0.4	0.0	1.9	Au	Au	Au	Au	Au	Au	11.5	10.0	6.7	4.7	3.8	3.9	4.4	4.9	2.1	11.5	-2.5
12	4.7	3.4	2.5	0.8	-1.1	-2.3	-3.1	-3.1	-2.2	0.6	5.6	7.2	8.1	8.3	8.7	8.6	7.8	7.2	5.9	3.8	1.0	-0.6	-1.6	-2.0	2.8	8.7	-3.1
13	-2.8	-3.4	-3.6	-4.0	-4.1	-4.4	-5.1	-4.9	-2.7	0.3	4.5	6.3	7.5	8.8	10.3	11.1	11.6	11.1	6.1	2.8	0.4	-0.6	-1.2	-1.7	1.8	11.6	-5.1
14	-2.6	-2.2	-2.4	1.7	6.2	5.9	5.0	7.4	7.7	9.7	11.0	12.3	13.1	14.1	14.5	14.6	14.2	12.9	11.9	11.0	10.4	10.1	9.8	9.8	8.6	14.6	-2.6
15	9.4	9.3	9.3	9.2	7.2	7.4	6.0	9.1	10.5	10.8	10.4	10.0	9.2	9.1	10.1	11.5	11.9	11.7	11.6	10.0	11.7	11.7	12.1	11.9	10.0	12.1	6.0
16	11.0	11.6	9.3	7.0	5.6	4.6	1.5	-0.3	1.1	2.3	2.4	3.5	3.7	3.4	2.4	2.8	1.1	-0.8	-1.6	-1.9	-1.8	-1.6	-1.7	-1.7	2.6	11.6	-1.9
17	-1.7	-1.6	-1.9	-2.2	-3.0	-2.8	-2.6	-1.9	-1.5	-1.2	-0.4	-0.6	-0.4	-0.3	0.4	1.4	2.0	2.1	1.5	1.2	1.0	0.7	0.3	0.2	-0.5	2.1	-3.0
18	0.2	0.2	0.2	0.3	0.9	1.3	0.8	0.5	0.8	1.4	2.2	3.0	3.4	3.6	3.1	1.3	1.3	1.6	1.3	2.0	1.8	1.4	1.3	0.8	1.4	3.6	0.2
19	0.4	0.2	0.0	-0.2	-0.3	-1.3	-3.0	-2.8	0.1	1.8	3.1	4.4	6.0	7.2	8.5	8.8	8.8	8.0	6.9	5.2	3.9	6.7	6.3	5.9	3.5	8.8	-3.0
20	5.9	5.9	6.6	5.4	4.6	2.8	3.0	2.8	6.4	8.3	9.7	10.7	11.1	11.4	12.1	12.7	12.1	12.1	8.1	5.1	3.6	1.8	2.1	1.4	6.9	12.7	1.4
21	0.4	-0.9	-1.2	-1.8	-2.4	-2.3	-2.1	-1.5	1.1	4.3	10.0	12.0	11.5	11.3	10.5	9.3	9.0	8.4	7.4	6.8	5.9	3.4	3.9	4.2	4.5	12.0	-2.4
22	4.3	3.7	2.9	3.0	2.2	1.0	-0.4	0.6	3.1	4.1	5.1	6.5	7.7	8.5	9.6	10.3	10.3	9.9	9.0	5.7	3.3	3.2	3.5	3.3	5.0	10.3	-0.4
23	2.9	3.7	2.1	1.4	0.6	0.0	0.0	0.7	2.2	7.0	8.6	9.0	8.1	7.3	5.1	1.7	0.5	0.5	0.4	0.0	-0.6	-0.8	-0.2	-0.5	2.5	9.0	-0.8
24	-1.2	-2.1	-2.0	-1.8	-1.3	-1.4	-2.0	-2.3	-1.0	-0.1	1.0	2.1	2.9	2.8	2.9	3.2	2.9	1.5	0.7	-0.4	-0.9	-1.1	-1.5	-1.8	-0.0	3.2	-2.3
25	-2.0	-2.3	-2.4	-2.6	-2.3	-2.2	-2.4	-2.1	-1.0	0.0	0.8	1.8	2.7	3.0	3.5	3.3	2.6	2.1	2.0	2.4	2.3	2.8	2.6	2.4	0.6	3.5	-2.6
26	2.2	1.2	0.6	0.7	0.8	1.4	1.6	1.8	2.2	4.2	6.1	7.3	8.2	9.5	10.0	10.8	10.9	10.1	8.3	6.6	5.2	2.9	0.8	-0.5	4.7	10.9	-0.5
27	-1.1	-1.5	-2.0	-2.2	-2.5	-2.6	-3.0	-2.0	3.0	9.8	12.1	13.5	14.2	15.2	15.7	16.3	16.3	15.9	13.7	8.4	5.0	2.7	1.4	1.3	6.2	16.3	-3.0
28	-0.2	-0.3	-0.9	-1.5	-1.9	-1.4	-0.2	2.9	13.6	10.8	6.6	3.2	4.9	5.7	6.2	5.8	5.8	4.8	3.2	0.8	0.9	1.2	-0.4	-1.1	2.9	13.6	-1.9
29	-2.4	-2.8	-2.5	-2.2	-2.3	-0.2	-0.5	0.3	2.5	2.8	3.8	5.4	6.8	7.5	8.7	9.3	9.1	9.0	8.5	7.9	7.5	7.1	6.9	6.7	4.0	9.3	-2.8
30	6.6	6.2	5.1	3.0	1.1	-0.7	-1.4	-0.7	4.5	9.0	9.9	10.5	11.6	12.6	13.2	13.9	13.7	14.3	12.5	7.3	5.9	4.5	3.7	2.5	7.0	14.3	-1.4
31	1.9	1.3	0.5	0.2	0.3	-0.1	-0.7	2.0	8.3	13.3	14.1	14.5	15.0	16.4	16.7	14.0	12.3	11.9	9.8	7.9	6.5	4.0	2.4	1.7	7.3	16.7	-0.7
Avg	-2.6	-3.0	-3.4	-3.6	-3.9	-4.3	-4.8	-4.3	-2.2	0.4	3.0	4.3	5.1	5.6	6.0	6.1	6.1	5.6	4.1	2.3	1.0	0.0	-0.7	-1.2	0.6	7.6	-5.8
Max	11.0	11.6	9.3	9.2	7.2	7.4	6.0	9.1	13.6	13.3	14.1	14.5	15.0	16.4	16.7	16.3	16.3	15.9	13.7	11.0	11.7	11.7	12.1	11.9	10.0	16.7	6.0
Min	-23.8	-24.3	-25.0	-24.3	-23.9	-24.4	-25.3	-25.5	-25.0	-21.2	-17.0	-15.8	-14.8	-13.7	-12.8	-12.0	-11.9	-12.2	-13.2	-15.2	-16.6	-19.0	-20.9	-21.8	-16.3	-11.9	-25.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
January 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-19.8	-20.5	-20.4	-20.5	-20.6	-18.4	-19.0	-17.6	-18.2	-18.2	-16.2	-14.7	-12.2	-10.5	-9.8	-9.2	-10.2	-12.3	-13.8	-14.1	-15.6	-15.8	-15.1	-16.1	-15.8	-9.2	-20.6
2	-16.2	-16.8	-17.8	-18.3	-18.3	-18.3	-18.7	-18.9	-19.6	-17.3	-12.5	-9.1	-3.7	-1.2	-0.6	-1.0	-1.0	-1.0	-1.7	-1.9	-2.1	-6.7	-9.7	-10.7	-10.1	-0.6	-19.6
3	-12.7	-14.6	-16.4	-17.7	-18.4	-19.0	-20.5	-20.7	-20.3	-19.8	-19.2	-18.0	-17.0	-16.4	-15.4	-14.9	-15.3	-16.4	-16.9	-17.5	-18.4	-19.2	-19.5	-19.8	-17.7	-12.7	-20.7
4	-20.0	-20.1	-20.4	-20.8	-20.9	-21.2	-21.2	-21.2	-20.9	-20.6	-19.9	-19.4	-19.2	-18.9	-18.6	-18.1	-17.7	-17.5	-17.4	-17.1	-16.7	-16.0	-15.2	-13.5	-18.9	-13.5	-21.2
5	-11.5	-8.6	-7.1	-6.1	-5.1	-3.9	-0.3	0.0	0.2	1.3	1.3	-0.7	-2.4	-2.9	-2.4	-2.7	-2.9	-3.1	-2.9	-2.9	-2.7	-2.5	-2.2	-0.7	-3.0	1.3	-11.5
6	1.6	1.6	3.4	3.5	3.1	3.1	3.4	3.8	4.0	4.2	4.4	3.0	-4.3	-8.2	-9.5	-10.4	-12.8	-13.3	-13.7	-13.5	-13.3	-13.6	-14.4	-15.1	-4.3	4.4	-15.1
7	-15.2	-14.8	-14.4	-14.3	-13.6	-13.9	-14.3	-15.5	-17.6	-17.8	-16.2	-14.0	-11.9	-9.7	-7.5	-5.5	-4.8	-4.6	-5.0	-5.6	-3.9	-6.5	-8.0	-9.2	-11.0	-3.9	-17.8
8	-10.9	-11.6	-10.3	-11.7	-11.3	-9.7	-3.9	-5.8	-8.5	-9.8	-11.4	-12.3	-13.7	-14.3	-14.2	-14.4	-14.8	-15.1	-17.1	-20.1	-23.5	-26.2	-27.3	-28.5	-14.4	-3.9	-28.5
9	-29.9	-31.2	-31.5	-31.9	-33.0	-33.1	-33.4	-33.3	-32.3	-31.3	-27.9	-23.7	-20.2	-17.1	-14.9	-13.4	-13.5	-13.6	-13.7	-14.0	-14.5	-14.2	-14.1	-13.7	-22.9	-13.4	-33.4
10	-13.9	-14.0	-14.6	-14.5	-15.4	-15.7	-16.2	-16.6	-15.6	-14.0	-12.0	-9.5	-7.6	-5.9	-3.1	-2.7	-2.2	-2.0	-1.2	0.0	-0.7	-0.4	-0.6	-0.3	-8.3	0.0	-16.6
11	0.3	0.1	-0.1	-0.8	-1.6	-2.4	-3.9	-5.3	-6.2	-6.8	-6.7	-6.4	-5.1	-4.5	-4.5	-5.1	-5.9	-5.5	-5.6	-5.7	-6.1	-7.0	-8.4	-8.3	-4.6	0.3	-8.4
12	-8.4	-9.2	-11.6	-12.1	-13.9	-16.2	-17.9	-18.9	-19.8	-19.2	-15.6	-12.9	-11.0	-8.9	-7.1	-6.6	-6.5	-7.2	-8.6	-8.6	-9.0	-10.3	-12.6	-14.5	-11.9	-6.5	-19.8
13	-16.6	-18.3	-19.3	-20.4	-21.1	-21.8	-23.4	-23.0	-23.0	-22.4	-20.6	-17.6	-15.1	-12.3	-10.4	-10.3	-10.3	-12.7	-14.4	-14.8	-14.3	-16.2	-16.8	-17.8	-17.2	-10.3	-23.4
14	-18.0	-19.3	-19.6	-20.7	-21.2	-21.5	-21.8	-21.6	-21.2	-20.6	-18.8	-16.2	-13.1	-9.4	-6.4	-6.5	-7.4	-10.3	-11.8	-10.9	-11.1	-12.2	-13.7	-14.8	-15.3	-6.4	-21.8
15	-15.2	-15.7	-16.9	-16.5	-17.9	-17.7	-18.2	-17.5	-16.7	-15.3	-14.0	-11.1	-9.2	-6.6	-5.1	-5.5	-6.3	-8.7	-11.1	-13.3	-14.3	-13.7	-14.9	-14.2	-13.1	-5.1	-18.2
16	-15.3	-14.1	-12.2	-11.5	-8.8	-8.5	-7.7	-8.1	-6.9	-2.0	2.0	2.4	2.5	2.5	2.4	2.3	1.6	0.6	-0.1	-0.6	-0.6	-1.1	-1.9	-4.0	-3.6	2.5	-15.3
17	-3.8	-4.3	-4.7	-4.0	-5.5	-5.2	-8.7	-10.7	-11.3	-11.1	-10.1	-8.0	-6.2	-2.1	0.8	0.0	-0.2	-1.8	-1.0	-1.4	-1.1	-1.8	-0.8	-0.3	-4.3	0.8	-11.3
18	0.5	-0.1	-0.1	0.5	0.5	0.9	1.8	1.4	1.4	1.4	2.8	4.7	5.5	4.8	3.9	2.8	2.0	1.4	0.5	-0.1	0.6	0.5	0.3	0.2	1.6	5.5	-0.1
19	0.0	-0.1	0.0	-0.3	-0.9	-1.3	-1.5	-2.0	-3.0	-2.1	-1.1	-0.4	-0.2	-0.5	-0.5	-0.6	-0.8	-1.3	-2.2	-2.5	-3.3	-5.2	-6.5	-7.5	-1.8	0.0	-7.5
20	-6.9	-6.5	-5.5	-5.1	-5.8	-6.1	-5.5	-5.2	-5.4	-5.4	-5.0	-4.4	-3.7	-3.4	-3.4	-3.8	-5.5	-6.9	-7.1	-8.1	-9.3	-10.0	-9.0	-9.6	-6.1	-3.4	-10.0
21	-13.8	-15.5	-16.8	-18.5	-19.3	-20.6	-21.5	-22.7	-23.4	-22.5	-20.7	-18.1	-15.2	-13.0	-11.2	-10.1	-10.4	-12.8	-15.7	-16.8	-17.8	-18.8	-18.9	-18.9	-17.2	-10.1	-23.4
22	-19.9	-19.7	-20.1	-18.8	-17.9	-17.7	-18.3	-18.0	-18.6	-17.8	-14.9	-10.3	-1.3	0.9	0.9	0.4	0.1	-2.0	-4.8	-3.7	-2.3	-3.4	-6.2	-7.7	-10.0	0.9	-20.1
23	-7.4	-5.6	-5.4	-6.4	-7.1	-8.4	-10.3	-12.3	-13.0	-11.3	-9.5	-6.4	0.5	1.5	1.5	1.3	0.4	-1.2	-2.8	-5.9	-6.4	-6.8	-5.0	-3.4	-5.4	1.5	-13.0
24	-0.3	1.7	3.5	3.9	3.8	3.7	3.8	3.9	3.4	3.9	3.9	4.6	4.6	4.2	4.1	3.6	3.7	3.2	2.6	0.9	-0.1	-1.4	-2.1	-0.1	2.6	4.6	-2.1
25	2.5	3.3	2.8	3.4	3.7	4.5	4.5	5.4	5.2	5.1	5.6	5.9	5.9	5.8	5.6	6.5	6.8	6.3	4.9	4.5	4.2	4.6	2.7	2.4	4.7	6.8	2.4
26	1.3	0.4	-0.4	-1.1	-1.8	-2.4	-2.7	-3.6	-3.0	-2.5	-0.7	1.5	3.5	5.8	8.4	8.5	8.6	4.8	2.4	0.7	0.1	-0.7	-2.0	-3.3	0.9	8.6	-3.6
27	-3.8	-4.6	-4.0	-4.3	-4.7	-4.9	-4.8	-4.6	-4.9	-4.1	-2.5	-0.7	1.5	3.6	3.9	4.7	3.9	2.3	0.1	-1.2	-3.0	-2.6	-2.5	-3.1	-1.7	4.7	-4.9
28	-3.8	-4.4	-4.1	-0.6	0.6	0.2	-0.3	-0.7	-4.4	-4.3	-1.9	2.4	2.9	3.1	3.0	2.9	2.0	1.1	0.6	-0.7	-2.0	-3.4	-5.3	-5.9	-1.0	3.1	-5.9
29	-7.4	-9.4	-10.3	-10.2	-11.8	-12.8	-13.7	-14.8	-14.6	-12.6	-10.1	-7.3	-4.1	-0.3	2.6	2.3	0.4	-2.7	-4.7	-7.6	-8.6	-10.0	-10.8	-11.8	-7.9	2.6	-14.8
30	-12.4	-13.5	-13.5	-14.0	-15.1	-14.6	-15.2	-15.7	-15.2	-12.7	-8.8	-5.8	-2.8	2.3	2.2	1.6	1.2	-2.4	-4.7	-8.1	-8.6	-10.4	-11.7	-12.3	-8.8	2.3	-15.7
31	-13.8	-14.2	-14.0	-13.9	-13.5	-12.5	-12.4	-12.9	-13.2	-8.3	-5.2	-6.1	-7.9	-8.9	-10.2	-12.4	-13.2	-14.2	-14.4	-14.4	-14.5	-14.3	-14.1	-14.1	-12.2	-5.2	-14.5
Avg	-10.0	-10.3	-10.4	-10.4	-10.7	-10.8	-11.0	-11.4	-11.7	-10.8	-9.1	-7.4	-5.8	-4.5	-3.7	-3.8	-4.2	-5.4	-6.5	-7.3	-7.7	-8.6	-9.2	-9.6	-8.3	-1.8	-14.7
Max	2.5	3.3	3.5	3.9	3.8	4.5	4.5	5.4	5.2	5.1	5.6	5.9	5.9	5.8	8.4	8.5	8.6	6.3	4.9	4.5	4.2	4.6	2.7	2.4	4.7	8.6	2.4
Min	-29.9	-31.2	-31.5	-31.9	-33.0	-33.1	-33.4	-33.3	-32.3	-31.3	-27.9	-23.7	-20.2	-18.9	-18.6	-18.1	-17.7	-17.5	-17.4	-20.1	-23.5	-26.2	-27.3	-28.5	-22.9	-13.5	-33.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
February 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-15.3	-17.7	-19.2	-20.6	-21.4	-22.3	-22.7	-23.7	-23.4	-21.4	-18.3	-14.5	-9.1	-4.5	-3.9	-3.7	-4.9	-5.3	-5.4	-5.3	-5.2	-5.3	-5.5	-5.4	-12.7	-3.7	-23.7
2	-5.0	-4.4	-1.2	-0.9	-0.9	-0.5	-0.7	-0.9	-1.8	-1.4	-0.1	0.7	0.9	0.5	0.5	1.0	2.1	2.2	1.7	1.1	0.7	0.1	0.0	1.8	-0.2	2.2	-5.0
3	2.7	2.5	2.4	2.0	2.0	1.7	1.3	0.7	0.8	1.0	1.2	1.3	1.4	1.4	1.3	0.1	-2.5	-4.5	-9.3	-11.1	-11.1	-10.8	-11.8	-11.7	-2.0	2.7	-11.8
4	-11.6	-11.4	-11.3	-11.3	-11.7	-13.3	-14.1	-15.1	-15.3	-12.9	-10.9	-7.9	-6.4	-4.1	-2.8	-1.9	-1.9	-3.4	-3.5	-3.4	-2.9	-2.7	-3.1	-2.5	-7.7	-1.9	-15.3
5	-2.9	-2.8	-3.3	-3.8	-4.0	-3.8	-3.3	-3.1	-1.5	-0.5	0.6	3.5	7.3	6.5	4.6	4.7	4.4	2.8	0.4	-0.3	2.2	6.5	6.7	5.7	1.1	7.3	-4.0
6	3.6	2.4	3.0	1.9	6.2	7.6	7.9	8.4	8.3	9.5	9.6	9.8	10.1	10.1	10.6	10.2	9.0	8.1	8.3	9.0	8.5	8.1	8.0	8.0	7.8	10.6	1.9
7	7.9	7.5	6.9	6.7	4.4	5.0	4.4	4.4	4.0	3.9	4.5	4.3	4.9	4.8	5.6	6.2	5.5	4.8	4.9	5.0	4.7	4.4	4.2	4.2	5.1	7.9	3.9
8	4.2	3.4	4.0	4.1	3.3	3.0	2.8	2.8	3.3	3.7	4.5	5.0	5.4	5.9	6.2	6.4	5.3	3.2	0.5	-0.4	-0.9	-0.5	-1.6	-1.6	3.0	6.4	-1.6
9	-1.9	-2.0	-0.9	-1.9	-2.8	-1.9	-1.4	-1.1	1.1	1.0	1.4	1.4	2.3	3.0	3.5	3.5	3.2	2.8	3.0	2.9	2.8	3.2	2.9	2.9	1.1	3.5	-2.8
10	2.6	1.9	1.9	1.7	1.5	1.4	1.4	1.2	1.3	1.5	1.6	1.6	1.8	1.6	1.6	2.0	1.8	1.3	0.0	-0.6	-1.7	-2.0	-2.7	-2.7	0.8	2.6	-2.7
11	-2.4	-3.1	-4.5	-5.9	-6.7	-7.1	-7.9	-8.3	-7.7	-5.1	-2.3	1.5	3.8	4.8	5.0	5.2	4.3	2.2	0.0	-1.4	-2.4	-2.9	-3.7	-3.0	-2.0	5.2	-8.3
12	-2.7	-1.5	-2.1	-2.2	-3.4	-3.8	-3.8	-1.4	0.1	3.0	5.0	5.7	6.0	6.0	6.8	7.0	6.6	5.4	4.5	2.0	2.4	3.9	2.2	0.9	1.9	7.0	-3.8
13	-0.4	-1.0	-2.0	-2.7	-3.8	-4.4	-5.1	-5.4	-4.9	-2.6	1.1	6.6	7.8	8.5	9.1	9.3	9.2	6.3	2.4	1.1	0.3	-0.4	-0.4	-1.2	1.1	9.3	-5.4
14	-1.1	-2.1	-2.7	-3.1	-2.5	-2.1	-1.6	-1.2	-1.3	0.0	4.9	6.5	7.7	7.0	5.6	4.4	3.1	2.3	1.2	0.6	0.3	0.1	-0.5	-1.2	1.0	7.7	-3.1
15	-1.1	-1.5	-1.2	-1.5	-2.4	-3.5	-3.8	-4.5	-4.0	-2.8	-2.1	-0.8	0.1	-1.0	-2.7	-1.9	-2.2	-3.2	-4.7	-5.4	-6.0	-6.5	-5.7	-5.2	-3.1	0.1	-6.5
16	-4.8	-5.2	-5.3	-5.1	-5.0	-5.1	-5.1	-5.1	-5.3	-5.2	-4.9	-4.6	-4.4	-4.4	-4.0	-4.6	-4.5	-5.2	-6.1	-6.1	-5.9	-6.3	-7.3	-6.9	-5.3	-4.0	-7.3
17	-6.9	-6.8	-6.2	-6.4	-6.7	-6.9	-7.2	-7.6	-8.7	-7.7	-5.9	-4.5	-3.1	-2.2	-1.4	-1.2	-1.4	-1.6	-3.0	-4.0	-5.1	-6.5	-7.9	-10.0	-5.4	-1.2	-10.0
18	-10.3	-10.9	-10.9	-9.8	-9.0	-7.5	-7.3	-7.9	-7.4	-5.7	-0.5	2.0	3.4	3.5	4.0	4.8	4.8	3.9	3.1	0.4	-0.6	-0.8	0.2	2.6	-2.3	4.8	-10.9
19	4.0	2.0	0.4	-0.1	-2.2	-2.5	-2.0	-1.6	-0.2	1.4	2.9	3.4	3.7	3.5	3.7	3.5	2.8	1.3	0.4	-0.7	-1.4	-0.7	-0.5	-0.6	0.9	4.0	-2.5
20	-1.7	-1.9	-1.9	-2.0	-1.9	-2.0	-2.4	-2.5	-2.3	-2.6	-1.9	-0.5	-0.5	0.2	-1.3	-0.9	-1.7	-2.2	-2.5	-2.2	-2.9	-3.4	-4.1	-4.6	-2.1	0.2	-4.6
21	-5.5	-7.4	-8.6	-9.7	-10.0	-10.5	-11.0	-11.2	-11.0	-10.7	-9.8	-9.3	-8.8	-8.9	-9.2	-9.7	-10.6	-12.2	-14.5	-16.1	-18.1	-22.1	-23.1	-23.7	-12.2	-5.5	-23.7
22	-25.3	-26.4	-26.8	-28.3	-29.0	-30.2	-30.9	-32.0	-29.3	-26.2	-21.4	-15.6	-13.3	-11.9	-10.9	-10.0	-10.2	-11.8	-15.3	-17.7	-19.2	-21.5	-22.8	-23.5	-21.2	-10.0	-32.0
23	-24.5	-25.1	-25.7	-25.9	-26.2	-25.7	-26.0	-25.6	-22.5	-17.7	-11.7	-7.0	-6.1	-5.0	-3.1	-2.4	-2.7	-4.0	-4.2	-4.5	-4.0	-4.0	-4.5	-6.9	-13.1	-2.4	-26.2
24	-6.6	-8.8	-10.5	-11.6	-12.3	-12.6	-13.4	-14.0	-13.2	-9.5	-1.5	1.1	1.8	1.9	1.3	0.5	0.0	-0.1	-1.2	-0.9	-1.1	-1.8	-2.1	-2.2	-4.9	1.9	-14.0
25	-2.1	-2.4	-2.9	-3.2	-3.6	-4.0	-4.2	-4.5	-5.2	-7.0	-7.6	-7.7	-7.0	-7.7	-7.9	-8.6	-9.6	-10.7	-11.3	-11.5	-11.9	-12.3	-13.1	-13.1	-7.5	-2.1	-13.1
26	-12.8	-13.3	-13.8	-14.3	-14.9	-15.5	-15.9	-17.0	-17.0	-15.5	-14.0	-12.8	-12.0	-11.2	-10.6	-11.3	-12.4	-14.3	-16.4	-17.2	-19.3	-21.1	-23.6	-24.0	-15.4	-10.6	-24.0
27	-24.8	-25.2	-25.8	-26.8	-27.2	-27.0	-27.2	-26.8	-24.7	-21.4	-15.9	-11.7	-10.7	-10.2	-10.3	-11.1	-11.7	-11.9	-13.3	-14.7	-14.9	-16.6	-18.3	-19.5	-18.7	-10.2	-27.2
28	-20.4	-21.4	-22.6	-23.9	-23.6	-24.1	-25.5	-25.2	-23.7	-20.2	-14.0	-11.8	-11.3	-10.5	-10.5	-10.5	-10.9	-12.3	-14.3	-16.4	-19.6	-21.7	-22.6	-22.8	-18.3	-10.5	-25.5
Avg	-5.9	-6.5	-6.8	-7.3	-7.6	-7.8	-8.0	-8.2	-7.6	-6.1	-3.8	-1.9	-0.9	-0.4	-0.3	-0.3	-0.9	-2.0	-3.4	-4.2	-4.7	-5.1	-5.7	-5.9	-4.6	0.8	-11.0
Max	7.9	7.5	6.9	6.7	6.2	7.6	7.9	8.4	8.3	9.5	9.6	9.8	10.1	10.1	10.6	10.2	9.2	8.1	8.3	9.0	8.5	8.1	8.0	8.0	7.8	10.6	3.9
Min	-25.3	-26.4	-26.8	-28.3	-29.0	-30.2	-30.9	-32.0	-29.3	-26.2	-21.4	-15.6	-13.3	-11.9	-10.9	-11.3	-12.4	-14.3	-16.4	-17.7	-19.6	-22.1	-23.6	-24.0	-21.2	-10.6	-32.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
March 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	-22.5	-20.7	-19.3	-16.7	-17.3	-19.8	-21.6	-22.4	-22.0	-18.5	-15.1	-10.5	-7.7	-6.5	-5.8	-5.1	-4.8	-6.5	-9.2	-11.0	-13.0	-14.1	-15.8	-17.2	-14.3	-4.8	-22.5
2	-17.8	-18.0	-17.8	-18.5	-18.3	-18.9	-19.7	-18.9	-16.2	-12.8	-5.6	-2.7	-3.0	-3.8	-4.2	-5.2	-6.7	-8.8	-10.5	-11.1	-11.8	-12.4	-13.1	-13.6	-12.1	-2.7	-19.7
3	-14.7	-15.3	-16.1	-16.7	-17.0	-17.9	-19.5	-20.5	-19.6	-18.1	-16.7	-15.5	-14.4	-13.3	-12.5	-11.9	-12.0	-12.6	-14.1	-16.2	-17.7	-20.4	-22.3	-23.3	-16.6	-11.9	-23.3
4	-24.8	-25.0	-25.7	-25.3	-24.8	-25.2	-26.3	-26.7	-25.5	-21.3	-15.5	-10.0	-8.3	-7.1	-6.1	-5.2	-4.8	-4.9	-6.5	-9.2	-12.5	-14.6	-16.0	-17.2	-16.2	-4.8	-26.7
5	-18.0	-18.9	-19.0	-18.4	-18.9	-18.8	-19.8	-19.6	-16.4	-13.2	-5.9	0.3	1.1	1.4	1.6	2.4	2.3	2.2	0.1	-1.7	-4.5	-6.9	-8.3	-9.4	-8.6	2.4	-19.8
6	-8.9	-10.2	-10.5	-10.7	-11.0	-10.6	-10.5	-9.8	-7.4	0.0	3.1	4.1	5.0	5.6	6.0	6.3	6.2	5.7	5.2	4.1	0.9	-1.1	-2.3	-3.5	-1.8	6.3	-11.0
7	-4.2	-5.1	-6.1	-6.7	-7.2	-7.6	-8.3	-8.0	-6.0	-1.9	4.0	4.9	5.4	4.4	4.6	5.1	4.9	4.3	4.1	2.9	1.7	0.4	-0.3	-0.6	-0.6	5.4	-8.3
8	-1.5	-2.3	-4.6	-6.2	-7.1	-7.7	-8.4	-8.6	-6.8	-2.5	2.9	4.0	4.6	5.1	5.7	6.3	6.5	6.0	4.8	3.2	3.3	1.6	-1.7	-3.3	-0.3	6.5	-8.6
9	-5.4	-6.3	-6.8	-7.4	-8.2	-8.2	-8.5	-7.8	-5.4	0.1	4.4	5.3	6.3	7.2	7.8	8.5	8.4	7.0	5.2	2.7	-0.2	-1.7	-2.3	-3.4	-0.4	8.5	-8.5
10	-4.8	-5.2	-5.3	-6.6	-7.8	-7.8	-7.5	-7.1	-4.6	-1.2	4.9	7.9	8.6	9.2	9.9	10.1	10.0	10.1	5.7	2.1	0.8	-0.8	-1.9	-3.6	0.6	10.1	-7.8
11	-3.1	-3.4	-3.1	-3.3	-3.2	-2.3	-2.2	-1.4	-0.4	1.4	Au	Au	Au	Au	Au	Au	10.6	8.7	5.8	3.7	2.6	2.8	3.1	4.1	1.1	10.6	-3.4
12	4.0	2.5	1.0	-0.4	-1.8	-2.8	-3.7	-3.6	-2.2	0.5	5.5	7.2	8.1	8.2	8.3	8.2	7.4	6.6	4.8	2.5	0.3	-1.2	-1.9	-2.3	2.3	8.3	-3.7
13	-3.2	-3.9	-4.0	-4.3	-4.3	-4.8	-5.5	-4.8	-2.5	0.6	5.1	6.6	7.9	9.2	10.6	11.3	11.6	10.9	5.2	2.6	-0.3	-1.2	-1.7	-2.1	1.6	11.6	-5.5
14	-3.5	-3.5	-3.3	-0.4	4.7	4.3	4.0	6.8	7.2	9.5	11.0	12.5	13.2	14.1	14.4	14.2	13.7	12.3	11.2	10.4	9.9	9.5	9.2	9.2	7.9	14.4	-3.5
15	8.7	8.6	8.6	8.3	4.7	5.2	4.2	7.7	10.0	10.5	10.2	9.7	8.7	8.7	9.7	11.3	11.6	11.1	10.4	8.3	10.7	11.2	11.4	10.8	9.2	11.6	4.2
16	9.6	10.6	8.5	6.4	5.3	4.3	1.4	-0.2	1.4	2.8	3.0	4.1	4.6	4.3	2.9	3.4	1.5	-0.5	-1.5	-1.8	-1.7	-1.5	-1.6	-1.6	2.7	10.6	-1.8
17	-1.6	-1.5	-1.8	-2.1	-2.8	-2.6	-2.5	-1.7	-1.2	-0.7	0.2	-0.1	-0.1	0.0	0.7	1.7	2.2	2.2	1.5	1.1	1.0	0.7	0.3	0.2	-0.3	2.2	-2.8
18	0.2	0.2	0.2	0.2	0.7	1.1	0.5	0.2	0.6	1.1	2.0	3.1	3.5	3.9	3.3	1.4	1.4	1.6	1.1	1.7	1.6	1.2	1.1	0.6	1.4	3.9	0.2
19	0.3	0.0	-0.2	-0.3	-0.6	-1.8	-3.6	-2.7	0.4	2.2	3.8	5.3	6.8	8.1	9.3	9.4	9.0	7.8	6.4	4.5	3.3	5.8	5.4	5.4	3.5	9.4	-3.6
20	5.3	5.2	5.9	4.3	3.1	0.9	1.4	1.4	6.6	8.8	10.4	11.5	12.0	12.4	12.9	13.3	12.1	12.0	7.7	4.8	3.3	1.1	1.8	0.7	6.6	13.3	0.7
21	-0.7	-1.7	-2.1	-2.6	-3.3	-3.3	-3.0	-1.9	1.3	4.5	10.4	12.6	12.0	11.9	10.7	9.5	9.1	8.4	6.9	6.3	4.9	2.3	3.3	3.5	4.1	12.6	-3.3
22	3.7	3.0	2.4	2.5	1.3	0.0	-1.3	0.4	3.5	4.8	6.0	7.5	8.8	9.5	10.5	11.1	10.7	9.7	8.2	4.6	3.0	2.8	2.9	2.7	4.9	11.1	-1.3
23	1.8	2.9	1.3	-0.8	-0.9	-1.2	-0.6	0.0	2.2	7.3	9.3	9.7	8.7	7.6	5.1	1.7	0.5	0.5	0.3	-0.3	-1.0	-1.3	-1.0	-0.9	2.1	9.7	-1.3
24	-1.9	-2.7	-2.4	-2.2	-1.5	-1.6	-2.7	-2.6	-0.7	0.2	1.5	2.8	3.9	3.4	3.5	4.0	3.5	1.7	0.7	-0.3	-0.9	-1.2	-1.5	-1.8	0.0	4.0	-2.7
25	-2.1	-2.3	-2.4	-2.6	-2.3	-2.2	-2.7	-2.0	-0.8	0.5	1.3	2.4	3.5	3.7	4.1	3.8	2.8	2.3	2.0	2.2	2.2	2.6	2.4	2.2	0.8	4.1	-2.7
26	2.0	1.1	0.6	0.7	0.8	1.3	1.4	1.7	2.3	4.3	6.5	7.7	9.2	10.3	10.7	11.5	11.7	10.3	8.1	6.3	4.5	1.8	0.5	-0.9	4.8	11.7	-0.9
27	-1.7	-2.2	-2.7	-2.8	-3.3	-3.5	-4.1	-1.9	3.3	10.3	13.0	14.5	15.2	16.3	16.7	17.2	16.9	15.9	12.4	7.0	4.8	1.5	0.3	0.2	6.0	17.2	-4.1
28	-1.5	-1.6	-2.6	-3.1	-3.3	-2.5	-1.7	1.9	13.3	10.6	6.6	3.3	5.7	6.5	6.8	6.1	6.1	4.8	3.2	0.8	0.7	0.4	-1.7	-2.5	2.3	13.3	-3.3
29	-4.0	-5.0	-4.6	-4.6	-4.8	-1.7	-2.2	-0.2	2.4	2.9	4.2	6.1	7.9	8.7	9.8	10.1	9.4	8.9	8.3	7.7	7.2	6.9	6.7	6.4	3.6	10.1	-5.0
30	6.4	5.6	3.8	2.1	-0.3	-0.9	-2.1	-1.0	4.9	10.0	11.1	11.7	12.8	13.8	14.4	14.8	14.1	14.5	11.4	7.1	5.7	4.3	3.4	1.8	7.1	14.8	-2.1
31	1.2	0.5	-0.6	-1.0	-0.4	-1.1	-1.6	1.7	8.5	13.5	14.5	14.9	15.4	17.2	17.4	14.2	12.4	12.0	9.5	7.2	6.2	3.8	2.3	1.6	7.1	17.4	-1.6
Avg	-3.3	-3.7	-4.2	-4.5	-4.8	-5.1	-5.7	-4.9	-2.3	0.5	3.2	4.7	5.5	6.0	6.3	6.3	6.1	5.3	3.5	1.7	0.5	-0.6	-1.3	-1.9	0.3	7.6	-6.6
Max	9.6	10.6	8.6	8.3	5.3	5.2	4.2	7.7	13.3	13.5	14.5	14.9	15.4	17.2	17.4	17.2	16.9	15.9	12.4	10.4	10.7	11.2	11.4	10.8	9.2	17.4	4.2
Min	-24.8	-25.0	-25.7	-25.3	-24.8	-25.2	-26.3	-26.7	-25.5	-21.3	-16.7	-15.5	-14.4	-13.3	-12.5	-11.9	-12.0	-12.6	-14.1	-16.2	-17.7	-20.4	-22.3	-23.3	-16.6	-11.9	-26.7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
January 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.31	1.59	0.98	1.77	1.71	1.41	1.57	1.42	1.68	2.38	1.05	1.94	1.68	1.40	1.56	1.39	1.57	1.44	1.55	1.18	1.55	1.51	1.24	1.37	1.51	2.38	0.98
2	1.54	1.46	1.40	1.67	1.58	1.61	1.69	1.78	2.23	0.96	0.73	0.36	0.66	0.83	0.17	0.18	0.14	0.10	0.02	0.01	0.01	-0.01	-0.05	-0.05	0.79	2.23	-0.05
3	-0.02	0.02	0.11	0.13	-0.10	-0.10	0.02	-0.09	-0.10	-0.13	-0.14	-0.21	-0.17	-0.17	-0.21	-0.07	0.11	-0.10	-0.12	-0.10	-0.16	-0.11	-0.12	-0.12	-0.08	0.13	-0.21
4	-0.12	-0.11	-0.10	-0.11	-0.11	-0.12	-0.11	-0.10	-0.11	-0.13	-0.15	-0.11	-0.13	-0.14	-0.12	-0.11	-0.12	-0.12	-0.11	-0.11	-0.11	-0.12	-0.11	0.10	-0.11	0.10	-0.15
5	0.39	0.23	0.10	0.55	0.39	0.31	0.11	0.04	0.07	0.07	0.08	0.04	0.02	-0.04	-0.05	0.00	0.05	-0.04	0.01	-0.04	0.00	-0.03	0.03	0.31	0.11	0.55	-0.05
6	0.14	0.24	0.16	0.21	0.21	0.21	0.23	0.33	0.46	0.53	0.52	0.38	-0.16	-0.15	-0.19	-0.19	-0.20	-0.18	-0.21	-0.20	-0.22	-0.19	-0.21	-0.23	0.05	0.53	-0.23
7	-0.19	-0.21	-0.19	-0.14	-0.13	0.02	0.15	0.51	1.01	1.11	0.43	0.43	0.38	0.42	0.51	0.72	1.03	1.10	1.45	1.12	1.10	1.27	1.15	1.94	0.62	1.94	-0.21
8	1.73	1.83	1.44	1.69	2.53	2.03	0.04	-0.04	-0.04	0.13	0.02	-0.06	-0.07	-0.12	-0.13	-0.10	-0.10	-0.07	0.26	1.21	1.81	2.07	1.36	1.45	0.79	2.53	-0.13
9	2.91	3.11	2.11	1.77	2.40	2.01	2.71	2.56	1.98	2.22	1.13	0.49	0.57	1.03	1.54	1.72	2.10	1.74	1.74	1.66	1.54	1.53	1.64	1.49	1.82	3.11	0.49
10	1.65	1.75	1.99	1.70	2.00	1.97	1.93	2.29	1.54	1.32	0.64	0.52	0.55	1.27	1.48	0.99	1.11	0.60	0.41	0.39	0.05	0.14	0.04	0.02	1.10	2.29	0.02
11	0.00	0.00	0.06	0.07	0.21	0.20	0.12	0.09	0.13	0.19	-0.05	0.05	-0.15	-0.04	0.11	0.15	0.44	0.03	0.00	0.00	0.00	0.03	0.21	0.19	0.09	0.44	-0.15
12	0.04	0.44	1.29	1.12	1.26	1.42	1.83	2.23	1.74	1.65	0.32	0.09	0.01	0.17	0.02	0.11	0.29	0.74	1.42	1.36	1.54	2.36	2.69	2.12	1.09	2.69	0.01
13	1.73	2.19	2.36	2.17	2.08	2.32	3.16	2.63	2.39	2.51	2.68	1.84	1.62	1.52	2.24	2.00	1.62	2.00	2.01	1.72	1.39	1.63	1.69	1.72	2.05	3.16	1.39
14	1.88	2.31	2.50	2.84	2.88	2.70	2.57	2.29	1.77	2.12	2.03	1.77	1.96	2.61	1.29	1.36	1.57	1.66	1.87	1.38	1.26	1.32	1.73	1.88	1.98	2.88	1.26
15	1.87	1.99	2.72	2.29	2.39	2.68	2.48	2.39	2.08	1.73	1.68	1.74	1.90	1.91	1.78	2.83	2.08	2.46	2.43	3.22	2.63	2.04	2.50	2.17	2.25	3.22	1.68
16	2.28	1.54	1.15	0.96	0.46	1.09	0.86	1.21	2.04	2.51	0.68	0.55	0.25	0.37	0.31	0.26	0.44	0.52	0.52	0.42	0.34	0.40	0.44	1.34	0.87	2.51	0.25
17	0.82	0.74	0.60	0.57	0.91	0.91	2.09	2.48	0.78	0.56	0.58	0.73	1.14	1.30	0.59	0.79	0.93	1.58	1.36	0.67	0.36	0.65	0.45	0.37	0.92	2.48	0.36
18	0.38	0.41	0.35	0.33	0.31	0.35	0.39	0.24	0.13	0.41	0.35	0.60	0.57	0.44	0.39	0.30	0.33	0.40	0.50	0.70	0.53	0.47	0.40	0.33	0.40	0.70	0.13
19	0.35	0.39	0.29	0.35	0.37	0.34	0.32	0.51	1.02	0.62	0.40	0.27	0.15	0.11	0.14	0.19	0.24	0.23	0.29	0.18	0.42	0.82	0.57	0.95	0.40	1.02	0.11
20	0.61	0.58	0.36	0.34	0.82	0.45	0.24	0.10	0.12	0.13	0.11	0.22	0.14	0.11	0.19	0.20	0.87	0.95	0.86	0.69	0.96	0.43	0.01	0.43	0.41	0.96	0.01
21	2.80	2.42	1.89	1.83	1.80	2.14	1.90	2.83	2.59	2.22	2.24	2.11	1.91	2.29	1.80	1.47	1.29	1.71	2.14	2.19	2.39	2.08	1.69	1.62	2.06	2.83	1.29
22	1.71	1.52	2.18	1.75	1.70	1.80	1.91	2.04	1.81	1.35	0.78	1.67	1.56	0.50	0.46	0.43	0.80	1.73	1.68	1.57	0.93	1.46	2.00	0.95	1.43	2.18	0.43
23	0.84	1.14	1.95	0.90	0.63	1.12	1.22	1.42	1.65	2.03	2.96	2.48	0.45	0.32	0.31	0.33	0.81	1.37	2.40	1.58	0.97	1.05	0.77	0.78	1.23	2.96	0.31
24	0.42	0.63	0.33	0.22	0.24	0.26	0.30	0.34	0.43	0.36	0.38	0.48	0.58	0.52	0.51	0.47	0.44	0.53	0.54	1.03	1.16	1.11	1.14	1.00	0.56	1.16	0.22
25	0.43	0.27	0.40	0.34	0.45	0.48	0.64	0.67	0.71	0.74	0.75	0.77	0.91	1.13	1.48	1.36	1.10	1.07	1.14	1.60	1.36	1.41	3.13	1.62	1.00	3.13	0.27
26	1.83	3.14	0.76	0.37	0.58	0.75	1.29	1.02	0.77	0.91	0.57	0.65	0.64	1.47	1.47	0.93	1.00	1.38	1.34	0.89	0.91	0.81	0.97	1.18	1.07	3.14	0.37
27	1.30	1.81	1.30	1.63	1.42	2.14	1.66	1.44	1.47	1.65	1.01	0.39	1.08	0.74	1.35	1.91	1.86	1.21	1.05	0.99	1.41	0.92	0.71	1.31	1.32	2.14	0.39
28	1.40	1.24	1.06	1.64	1.70	1.53	1.15	1.81	1.93	0.87	0.65	0.48	0.36	0.42	0.46	0.45	0.32	0.36	0.48	0.63	0.58	0.85	1.15	1.03	0.94	1.93	0.32
29	1.58	1.85	1.82	0.96	1.32	1.46	2.06	2.72	1.71	1.36	0.58	0.29	0.33	-0.02	-0.18	0.02	0.93	0.98	1.06	1.76	1.40	1.54	1.73	1.80	1.21	2.72	-0.18
30	1.62	1.91	1.70	1.81	1.90	1.81	1.94	1.67	1.57	1.50	0.79	0.51	0.73	-0.24	0.61	1.17	0.97	1.01	0.89	2.48	1.45	1.97	1.69	2.03	1.40	2.48	-0.24
31	1.79	1.79	1.54	1.59	1.81	1.19	1.09	1.04	1.24	0.57	0.21	0.08	0.09	0.01	0.02	0.10	0.06	0.26	0.13	-0.06	-0.11	-0.10	-0.06	0.00	0.60	1.81	-0.11
Avg	1.13	1.23	1.12	1.07	1.15	1.18	1.21	1.29	1.19	1.11	0.77	0.70	0.63	0.64	0.64	0.69	0.78	0.86	0.94	0.97	0.89	0.95	0.99	1.00	0.96	2.01	0.28
Max	2.91	3.14	2.72	2.84	2.88	2.70	3.16	2.83	2.59	2.51	2.96	2.48	1.96	2.61	2.24	2.83	2.10	2.46	2.43	3.22	2.63	2.36	3.13	2.17	2.25	3.22	1.68
Min	-0.19	-0.21	-0.19	-0.14	-0.13	-0.12	-0.11	-0.10	-0.11	-0.13	-0.15	-0.21	-0.17	-0.24	-0.21	-0.19	-0.20	-0.18	-0.21	-0.20	-0.22	-0.19	-0.21	-0.23	-0.11	0.10	-0.24

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
February 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.31	0.59	0.37	0.37	0.33	0.61	0.65	0.93	0.83	0.64	0.10	0.17	1.05	0.01	0.12	0.03	0.02	0.03	0.05	-0.01	-0.03	0.02	0.10	0.10	0.31	1.05	-0.03
2	0.01	0.27	0.15	0.14	0.12	0.15	0.17	0.26	0.66	0.64	0.28	0.15	0.16	0.60	0.47	0.34	0.41	0.38	0.20	0.24	0.27	0.40	0.46	0.25	0.30	0.66	0.01
3	0.20	0.17	0.17	0.16	0.17	0.17	0.18	0.26	0.19	0.17	0.15	0.23	0.22	0.27	0.22	0.40	0.66	0.23	-0.08	-0.16	-0.12	-0.09	-0.06	-0.09	0.15	0.66	-0.16
4	-0.07	-0.07	-0.03	0.16	0.39	0.84	0.67	0.79	1.02	-0.07	-0.11	-0.20	0.06	0.53	0.36	0.25	0.51	1.18	0.68	0.24	0.01	-0.02	0.05	0.08	0.30	1.18	-0.20
5	0.21	0.25	0.40	0.57	0.49	0.30	0.28	0.48	0.16	0.13	0.14	0.42	0.64	0.60	0.63	0.72	0.51	0.39	0.63	1.65	2.26	1.07	1.17	1.70	0.66	2.26	0.13
6	1.20	1.39	1.28	1.77	1.37	0.83	1.08	0.94	1.23	1.38	1.50	1.18	1.02	1.44	1.19	1.31	1.66	1.27	1.32	1.27	1.22	1.39	1.26	1.09	1.27	1.77	0.83
7	1.10	1.05	1.14	1.05	0.97	0.92	0.68	0.72	0.52	0.59	0.53	0.64	0.69	0.61	0.66	0.91	0.73	0.61	0.60	0.60	0.58	0.63	0.48	0.49	0.73	1.14	0.48
8	0.52	1.06	0.62	0.45	0.50	0.54	0.36	0.57	0.48	0.41	0.35	0.41	0.45	0.46	0.49	0.59	1.34	1.25	0.34	0.32	0.22	0.28	0.62	0.46	0.55	1.34	0.22
9	0.86	0.86	0.31	0.54	0.72	0.50	0.40	1.25	1.06	0.50	0.12	-0.03	-0.15	0.12	0.04	0.35	0.56	0.99	0.63	0.61	0.55	0.46	0.39	0.39	0.50	1.25	-0.15
10	0.31	0.19	0.15	0.18	0.17	0.21	0.21	0.18	0.07	-0.02	0.01	-0.01	-0.02	0.06	0.03	-0.04	0.17	0.17	0.35	0.29	0.24	0.36	0.50	0.47	0.18	0.50	-0.04
11	0.24	0.59	1.03	1.04	1.04	0.70	0.71	1.06	0.37	-0.21	0.00	-0.17	-0.09	0.05	0.18	0.26	0.60	0.87	0.66	0.24	0.47	0.43	0.59	0.36	0.46	1.06	-0.21
12	0.26	1.07	1.10	0.80	1.27	1.40	1.52	1.91	1.17	0.43	0.20	0.39	0.43	0.36	0.35	0.49	0.49	0.69	0.77	0.58	0.42	0.57	0.52	0.47	0.74	1.91	0.20
13	0.30	0.70	0.34	0.52	0.72	0.69	0.76	0.57	0.30	-0.23	0.30	-0.02	0.29	0.39	0.50	0.50	0.31	1.28	0.66	0.28	0.51	0.53	0.39	0.61	0.47	1.28	-0.23
14	0.71	0.99	0.87	0.81	0.52	0.31	0.44	0.46	0.62	0.53	0.48	0.17	0.43	0.69	0.54	0.57	0.37	0.41	0.73	0.58	0.53	0.31	0.11	0.33	0.52	0.99	0.11
15	0.13	0.00	0.04	0.09	0.45	0.50	0.33	0.22	-0.08	-0.22	-0.23	-0.24	-0.34	-0.26	-0.17	-0.12	0.57	0.42	0.78	0.66	0.92	0.61	0.25	0.05	0.18	0.92	-0.34
16	0.01	0.40	0.42	0.23	0.06	0.02	0.03	0.04	-0.08	-0.15	-0.23	-0.24	-0.24	-0.17	-0.13	-0.07	0.13	0.23	0.22	0.20	0.14	0.27	0.29	0.12	0.06	0.42	-0.24
17	0.10	0.16	0.02	0.01	0.00	0.10	0.20	0.10	0.44	-0.16	-0.48	-0.15	-0.33	-0.33	-0.30	-0.13	0.11	0.34	0.79	0.67	0.78	0.77	0.37	0.68	0.16	0.79	-0.48
18	0.50	0.55	0.86	0.13	0.01	-0.02	0.10	0.45	0.35	-0.12	0.08	-0.43	-0.25	-0.02	-0.08	-0.05	0.51	0.86	0.64	0.72	0.21	0.18	1.12	0.89	0.30	1.12	-0.43
19	0.62	1.21	1.76	1.74	2.31	1.68	1.81	2.00	1.29	0.36	0.11	-0.05	-0.06	0.05	0.13	0.18	0.44	1.00	0.73	0.75	0.91	0.54	0.25	0.15	0.83	2.31	-0.06
20	0.02	0.06	0.30	0.16	0.08	0.07	0.39	0.34	0.00	0.02	0.00	-0.17	-0.02	-0.09	0.17	-0.01	-0.07	-0.05	0.16	0.10	0.17	0.16	0.30	0.26	0.10	0.39	-0.17
21	0.15	0.19	0.13	0.09	0.10	0.16	0.19	0.24	0.03	0.01	-0.33	-0.30	-0.13	0.01	0.00	0.00	0.00	0.11	0.47	0.51	0.63	1.58	1.39	1.13	0.26	1.58	-0.33
22	0.78	0.79	1.26	1.13	1.06	1.46	1.23	1.47	0.34	-0.14	0.13	-0.23	-0.37	-0.44	-0.28	-0.18	0.27	1.05	1.16	0.75	0.75	1.14	1.16	1.07	0.64	1.47	-0.44
23	1.73	1.23	1.42	1.61	1.78	1.77	1.97	1.82	0.46	0.49	0.15	-0.35	-0.27	-0.35	-0.30	-0.12	0.28	1.12	0.58	0.48	0.44	0.27	0.30	0.80	0.72	1.97	-0.35
24	0.53	1.11	1.54	1.41	1.32	0.93	1.18	1.42	0.82	0.27	0.22	-0.10	0.00	0.13	0.13	0.16	0.42	0.55	0.80	0.42	0.06	0.05	0.04	0.06	0.56	1.54	-0.10
25	0.06	0.11	0.09	0.00	-0.01	0.06	0.02	0.00	0.00	-0.09	-0.16	-0.08	-0.14	-0.11	-0.30	-0.16	0.23	0.10	0.08	0.04	0.10	0.27	0.29	0.11	0.02	0.29	-0.30
26	0.11	0.40	0.29	0.20	0.21	0.23	0.20	0.24	0.08	-0.17	-0.28	-0.29	-0.39	-0.49	-0.49	-0.25	0.02	0.23	0.50	0.49	1.09	0.91	1.25	1.01	0.21	1.25	-0.49
27	0.97	0.91	0.90	1.38	1.22	1.39	1.15	0.69	0.42	-0.03	0.23	-0.25	-0.34	-0.23	-0.20	-0.11	0.04	0.41	0.40	0.64	0.72	1.04	1.58	1.50	0.60	1.58	-0.34
28	0.54	0.76	0.42	1.12	0.65	0.73	1.12	0.86	0.44	0.11	0.16	-0.29	-0.34	-0.39	-0.27	-0.17	0.09	0.40	0.64	1.52	1.24	0.82	0.82	0.68	0.49	1.52	-0.39
Avg	0.44	0.61	0.62	0.64	0.64	0.62	0.64	0.72	0.47	0.18	0.12	0.01	0.07	0.12	0.13	0.20	0.41	0.59	0.55	0.52	0.55	0.53	0.57	0.54	0.44	1.22	-0.12
Max	1.73	1.39	1.76	1.77	2.31	1.77	1.97	2.00	1.29	1.38	1.50	1.18	1.05	1.44	1.19	1.31	1.66	1.28	1.32	1.65	2.26	1.58	1.58	1.70	1.27	2.31	0.83
Min	-0.07	-0.07	-0.03	0.00	-0.01	-0.02	0.02	0.00	-0.08	-0.23	-0.48	-0.43	-0.39	-0.49	-0.49	-0.25	-0.07	-0.05	-0.08	-0.16	-0.12	-0.09	-0.06	-0.09	0.02	0.29	-0.49

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
March 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.18	0.06	0.50	0.68	0.83	1.10	0.45	0.79	1.19	-0.16	0.35	0.13	-0.47	-0.41	-0.22	-0.31	0.13	0.69	0.92	0.48	0.69	0.67	0.85	1.58	0.45	1.58	-0.47
2	2.11	1.67	1.55	1.78	1.42	1.44	1.39	1.48	0.34	0.30	0.28	-0.08	-0.11	-0.11	-0.06	-0.02	0.02	0.10	0.01	-0.03	-0.05	-0.04	-0.05	-0.06	0.55	2.11	-0.11
3	-0.05	-0.03	-0.01	-0.01	-0.02	0.17	0.51	0.74	0.21	-0.05	-0.29	-0.34	-0.40	-0.38	-0.33	-0.09	0.11	0.42	0.83	0.99	1.10	1.39	1.46	1.45	0.31	1.46	-0.40
4	0.97	0.73	0.72	0.98	0.84	0.80	0.96	1.24	0.51	0.08	0.52	-0.30	-0.32	-0.28	-0.13	-0.10	0.15	0.26	1.04	1.61	1.04	1.39	1.08	1.50	0.64	1.61	-0.32
5	1.49	1.54	1.36	1.25	1.60	1.23	1.89	1.22	0.37	0.57	0.78	0.03	0.12	0.12	0.13	0.15	0.23	0.49	1.22	1.34	1.42	1.46	1.64	2.66	1.01	2.66	0.03
6	1.57	1.67	0.99	1.03	0.96	0.73	1.56	0.72	1.19	0.38	0.16	0.24	0.34	0.46	0.50	0.49	0.57	0.75	0.72	1.07	1.42	0.85	0.36	0.47	0.80	1.67	0.16
7	0.54	0.76	1.00	1.07	0.74	1.05	1.25	1.02	0.20	0.80	0.37	0.20	0.33	0.37	0.27	0.36	0.62	0.83	0.76	0.56	0.61	0.50	0.30	0.14	0.61	1.25	0.14
8	0.36	0.58	1.36	1.14	1.08	0.90	0.87	0.60	0.07	0.48	-0.02	0.01	0.04	0.18	0.15	0.22	0.38	0.62	0.70	0.93	0.76	0.91	1.02	0.49	0.58	1.36	-0.02
9	0.87	0.86	0.70	0.70	0.79	0.79	0.78	0.48	0.17	0.24	-0.05	0.06	0.25	0.28	0.33	0.33	0.69	1.00	1.30	1.51	0.90	0.35	0.29	0.56	0.59	1.51	-0.05
10	0.88	0.73	0.46	1.03	1.04	0.77	0.72	0.47	-0.14	-0.31	-0.18	0.10	0.23	0.31	0.28	0.44	0.91	0.69	1.43	0.41	0.24	0.44	0.43	1.04	0.52	1.43	-0.31
11	0.87	0.91	0.92	0.93	0.71	0.96	1.00	1.00	0.39	0.45	Au	Au	Au	Au	Au	Au	0.92	1.36	0.90	1.01	1.19	1.11	1.33	0.79	0.93	1.36	0.39
12	0.69	0.81	1.57	1.25	0.67	0.51	0.54	0.44	0.00	0.14	0.17	0.06	-0.02	0.12	0.36	0.35	0.44	0.59	1.11	1.26	0.74	0.63	0.26	0.30	0.54	1.57	-0.02
13	0.46	0.49	0.39	0.25	0.25	0.36	0.38	-0.06	-0.18	-0.32	-0.53	-0.33	-0.37	-0.37	-0.28	-0.13	-0.05	0.19	0.86	0.29	0.76	0.62	0.54	0.38	0.15	0.86	-0.53
14	0.92	1.33	0.88	2.15	1.45	1.64	1.03	0.62	0.51	0.16	-0.01	-0.20	-0.08	0.00	0.12	0.38	0.47	0.67	0.68	0.60	0.52	0.59	0.59	0.60	0.65	2.15	-0.20
15	0.77	0.70	0.72	0.89	2.45	2.24	1.84	1.39	0.55	0.33	0.28	0.31	0.45	0.42	0.33	0.16	0.32	0.56	1.12	1.78	1.05	0.56	0.70	1.14	0.88	2.45	0.16
16	1.40	1.00	0.84	0.60	0.37	0.33	0.12	-0.04	-0.26	-0.49	-0.58	-0.68	-0.89	-0.91	-0.49	-0.53	-0.43	-0.26	-0.13	-0.11	-0.11	-0.07	-0.10	-0.11	-0.06	1.40	-0.91
17	-0.10	-0.09	-0.10	-0.11	-0.16	-0.13	-0.10	-0.15	-0.25	-0.43	-0.61	-0.50	-0.36	-0.28	-0.29	-0.33	-0.20	-0.10	0.00	0.07	0.00	0.00	0.02	-0.02	-0.18	0.07	-0.61
18	0.02	0.00	0.00	0.05	0.21	0.17	0.25	0.26	0.21	0.27	0.21	-0.04	-0.17	-0.30	-0.21	-0.14	-0.15	-0.05	0.12	0.27	0.20	0.20	0.16	0.17	0.07	0.27	-0.30
19	0.17	0.15	0.15	0.17	0.32	0.52	0.60	-0.11	-0.33	-0.42	-0.73	-0.83	-0.82	-0.87	-0.81	-0.54	-0.13	0.24	0.52	0.68	0.61	0.92	0.89	0.58	0.04	0.92	-0.87
20	0.61	0.68	0.66	1.05	1.47	1.86	1.51	1.39	-0.17	-0.51	-0.72	-0.84	-0.94	-0.91	-0.81	-0.60	-0.03	0.10	0.33	0.36	0.29	0.68	0.25	0.70	0.27	1.86	-0.94
21	1.14	0.81	0.92	0.77	0.92	1.00	0.88	0.44	-0.12	-0.29	-0.40	-0.60	-0.51	-0.61	-0.19	-0.25	-0.14	0.00	0.47	0.54	0.97	1.11	0.69	0.67	0.34	1.14	-0.61
22	0.53	0.64	0.48	0.45	0.83	1.07	0.84	0.23	-0.37	-0.72	-0.91	-0.97	-1.10	-1.07	-0.97	-0.80	-0.39	0.14	0.80	1.16	0.33	0.40	0.62	0.54	0.07	1.16	-1.10
23	1.11	0.73	0.81	2.24	1.52	1.21	0.68	0.78	0.02	-0.37	-0.66	-0.63	-0.55	-0.38	-0.08	0.01	0.00	0.03	0.11	0.36	0.46	0.49	0.89	0.38	0.38	2.24	-0.66
24	0.68	0.63	0.42	0.38	0.24	0.15	0.75	0.25	-0.23	-0.35	-0.57	-0.68	-0.96	-0.62	-0.66	-0.77	-0.53	-0.18	-0.05	-0.02	-0.01	0.08	0.05	-0.02	-0.08	0.75	-0.96
25	0.05	-0.02	0.01	0.07	0.01	0.02	0.25	-0.08	-0.19	-0.50	-0.51	-0.64	-0.76	-0.66	-0.60	-0.50	-0.24	-0.12	0.05	0.21	0.10	0.17	0.24	0.28	-0.14	0.28	-0.76
26	0.21	0.09	0.06	0.06	0.06	0.15	0.18	0.09	-0.07	-0.19	-0.41	-0.46	-0.91	-0.84	-0.78	-0.74	-0.73	-0.27	0.19	0.33	0.73	1.11	0.34	0.40	-0.06	1.11	-0.91
27	0.63	0.67	0.65	0.56	0.79	0.96	1.12	-0.11	-0.29	-0.56	-0.83	-1.03	-0.99	-1.14	-0.97	-0.93	-0.63	-0.01	1.26	1.42	0.23	1.26	1.11	1.07	0.18	1.42	-1.14
28	1.33	1.32	1.73	1.58	1.40	1.10	1.55	0.99	0.31	0.21	-0.03	-0.04	-0.77	-0.83	-0.59	-0.34	-0.25	-0.06	0.02	0.04	0.19	0.73	1.23	1.40	0.51	1.73	-0.83
29	1.63	2.22	2.13	2.45	2.48	1.54	1.70	0.54	0.15	-0.03	-0.43	-0.70	-1.17	-1.26	-1.11	-0.71	-0.23	0.11	0.26	0.25	0.24	0.19	0.15	0.24	0.44	2.48	-1.26
30	0.27	0.61	1.32	0.85	1.43	0.23	0.72	0.26	-0.39	-1.01	-1.18	-1.17	-1.21	-1.29	-1.17	-0.87	-0.35	-0.22	1.02	0.26	0.19	0.25	0.28	0.68	-0.02	1.43	-1.29
31	0.70	0.85	1.13	1.28	0.76	1.02	0.84	0.27	-0.12	-0.25	-0.38	-0.37	-0.44	-0.76	-0.65	-0.17	-0.02	-0.11	0.26	0.65	0.28	0.18	0.11	0.08	0.21	1.28	-0.76
Avg	0.74	0.75	0.78	0.89	0.89	0.84	0.87	0.55	0.11	-0.08	-0.23	-0.34	-0.42	-0.40	-0.30	-0.20	0.05	0.27	0.61	0.65	0.55	0.62	0.57	0.65	0.36	1.44	-0.50
Max	2.11	2.22	2.13	2.45	2.48	2.24	1.89	1.48	1.19	0.80	0.78	0.31	0.45	0.46	0.50	0.49	0.92	1.36	1.43	1.78	1.42	1.46	1.64	2.66	1.01	2.66	0.39
Min	-0.10	-0.09	-0.10	-0.11	-0.16	-0.13	-0.10	-0.15	-0.39	-1.01	-1.18	-1.17	-1.21	-1.29	-1.17	-0.93	-0.73	-0.27	-0.13	-0.11	-0.11	-0.07	-0.10	-0.11	-0.18	0.07	-1.29

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
January 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	0	0	9	162	214	323	374	279	174	142	25	0	0	0	0	0	0	0	71	374	0
2	0	0	0	0	0	0	0	0	10	61	135	140	152	122	51	26	5	0	0	0	0	0	0	0	29	152	0
3	0	0	0	0	0	0	0	0	17	75	131	115	150	128	143	83	15	0	0	0	0	0	0	0	36	150	0
4	0	0	0	0	0	0	0	0	11	42	67	79	126	127	133	59	8	0	0	0	0	0	0	0	27	133	0
5	0	0	0	0	0	0	0	0	6	41	100	195	269	221	194	62	7	0	0	0	0	0	0	0	46	269	0
6	0	0	0	0	0	0	0	0	8	34	68	83	152	141	82	28	5	0	0	0	0	0	0	0	25	152	0
7	0	0	0	0	0	0	0	0	29	163	264	358	356	211	46	17	5	0	0	0	0	0	0	0	60	358	0
8	0	0	0	0	0	0	0	0	19	54	72	93	112	120	105	67	14	0	0	0	0	0	0	0	27	120	0
9	0	0	0	0	0	0	0	1	43	183	298	383	395	330	212	129	27	0	0	0	0	0	0	0	83	395	0
10	0	0	0	0	0	0	0	0	26	97	230	280	265	182	94	33	8	0	0	0	0	0	0	0	51	280	0
11	0	0	0	0	0	0	0	0	13	67	121	168	191	174	245	125	18	0	0	0	0	0	0	0	47	245	0
12	0	0	0	0	0	0	0	0	26	71	124	173	197	168	144	80	22	0	0	0	0	0	0	0	42	197	0
13	0	0	0	0	0	0	0	1	31	141	298	374	408	375	303	189	47	1	0	0	0	0	0	0	90	408	0
14	0	0	0	0	0	0	0	0	35	77	140	289	355	359	307	192	50	1	0	0	0	0	0	0	75	359	0
15	0	0	0	0	0	0	0	2	23	92	244	212	335	227	165	162	64	1	0	0	0	0	0	0	64	335	0
16	0	0	0	0	0	0	0	0	8	66	116	138	111	108	272	133	42	1	0	0	0	0	0	0	41	272	0
17	0	0	0	0	0	0	0	1	63	125	269	288	351	208	135	62	21	0	0	0	0	0	0	0	63	351	0
18	0	0	0	0	0	0	0	0	10	57	202	257	268	192	123	90	21	1	0	0	0	0	0	0	51	268	0
19	0	0	0	0	0	0	0	1	32	179	300	464	426	162	84	48	26	0	0	0	0	0	0	0	72	464	0
20	0	0	0	0	0	0	0	0	30	132	144	273	273	202	191	94	21	1	0	0	0	0	0	0	57	273	0
21	0	0	0	0	0	0	0	0	22	57	170	280	337	384	330	215	76	2	0	0	0	0	0	0	78	384	0
22	0	0	0	0	0	0	0	0	40	168	331	394	391	242	204	132	36	1	0	0	0	0	0	0	81	394	0
23	0	0	0	0	0	0	0	0	39	122	303	409	433	342	273	164	85	3	0	0	0	0	0	0	91	433	0
24	0	0	0	0	0	0	0	0	13	47	134	369	244	224	182	93	27	1	0	0	0	0	0	0	56	369	0
25	0	0	0	0	0	0	0	0	24	56	80	112	169	149	149	99	40	2	0	0	0	0	0	0	37	169	0
26	0	0	0	0	0	0	0	1	15	89	255	312	434	396	348	238	95	2	0	0	0	0	0	0	91	434	0
27	0	0	0	0	0	0	0	3	28	121	187	292	307	285	182	149	82	4	0	0	0	0	0	0	68	307	0
28	0	0	0	0	0	0	0	1	57	153	213	505	285	195	174	117	39	3	0	0	0	0	0	0	73	505	0
29	0	0	0	0	0	0	0	1	38	96	282	425	472	427	364	190	61	5	0	0	0	0	0	0	98	472	0
30	0	0	0	0	0	0	0	1	58	212	344	445	481	460	383	263	117	5	0	0	0	0	0	0	115	481	0
31	0	0	0	0	0	0	0	1	67	116	158	253	389	483	277	83	89	4	0	0	0	0	0	0	80	483	0
Avg	0	0	0	0	0	0	0	0	27	102	193	274	297	246	196	115	39	1	0	0	0	0	0	0	62	322	0
Max	0	0	0	0	0	0	0	3	67	212	344	505	481	483	383	263	117	5	0	0	0	0	0	0	115	505	0
Min	0	0	0	0	0	0	0	0	6	34	67	79	111	108	46	17	5	0	0	0	0	0	0	0	25	120	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
February 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	0	3	60	196	370	381	391	272	161	112	39	2	0	0	0	0	0	0	83	391	0
2	0	0	0	0	0	0	0	2	64	187	354	378	305	206	82	88	82	9	0	0	0	0	0	0	73	378	0
3	0	0	0	0	0	0	0	1	38	86	106	144	135	135	125	93	45	4	0	0	0	0	0	0	38	144	0
4	0	0	0	0	0	0	0	4	35	99	167	317	355	338	175	118	68	5	0	0	0	0	0	0	70	355	0
5	0	0	0	0	0	0	0	0	18	34	88	374	175	89	100	71	46	6	0	0	0	0	0	0	42	374	0
6	0	0	0	0	0	0	0	2	60	268	279	266	341	479	392	291	80	7	0	0	0	0	0	0	103	479	0
7	0	0	0	0	0	0	0	1	24	49	79	83	127	130	158	104	66	13	0	0	0	0	0	0	35	158	0
8	0	0	0	0	0	0	0	2	42	186	412	481	463	504	419	304	149	13	0	0	0	0	0	0	124	504	0
9	0	0	0	0	0	0	0	2	12	24	57	173	341	199	177	86	41	3	0	0	0	0	0	0	46	341	0
10	0	0	0	0	0	0	0	2	41	149	216	224	237	168	137	197	58	11	0	0	0	0	0	0	60	237	0
11	0	0	0	0	0	0	0	4	100	293	428	460	533	481	392	289	80	10	0	0	0	0	0	0	128	533	0
12	0	0	0	0	0	0	0	4	87	211	394	348	379	273	403	325	158	19	0	0	0	0	0	0	108	403	0
13	0	0	0	0	0	0	0	5	151	298	409	505	539	504	436	294	113	15	0	0	0	0	0	0	136	539	0
14	0	0	0	0	0	0	0	5	49	75	164	365	517	338	212	128	68	20	0	0	0	0	0	0	81	517	0
15	0	0	0	0	0	0	0	7	56	148	259	568	509	165	229	233	71	15	0	0	0	0	0	0	94	568	0
16	0	0	0	0	0	0	0	4	40	85	201	206	247	270	356	235	122	28	0	0	0	0	0	0	75	356	0
17	0	0	0	0	0	0	0	6	121	321	324	377	620	678	497	222	118	43	0	0	0	0	0	0	139	678	0
18	0	0	0	0	0	0	0	8	144	315	458	555	542	376	352	264	145	23	0	0	0	0	0	0	133	555	0
19	0	0	0	0	0	0	0	6	53	180	311	316	377	315	257	180	107	21	0	0	0	0	0	0	88	377	0
20	0	0	0	0	0	0	0	11	98	190	222	330	322	308	174	153	34	4	0	0	0	0	0	0	77	330	0
21	0	0	0	0	0	0	0	10	89	186	338	314	395	312	284	298	181	38	0	0	0	0	0	0	102	395	0
22	0	0	0	0	0	0	0	10	196	351	495	592	626	600	520	394	233	60	0	0	0	0	0	0	170	626	0
23	0	0	0	0	0	0	0	20	214	232	469	476	267	430	449	383	229	42	0	0	0	0	0	0	134	476	0
24	0	0	0	0	0	0	0	21	124	281	469	427	505	330	223	104	92	23	0	0	0	0	0	0	108	505	0
25	0	0	0	0	0	0	0	14	84	253	391	632	751	344	651	347	203	28	0	0	0	0	0	0	154	751	0
26	0	0	0	0	0	0	0	28	179	265	429	629	670	713	716	446	252	76	1	0	0	0	0	0	184	716	0
27	0	0	0	0	0	0	0	31	233	389	471	563	676	530	395	299	139	62	1	0	0	0	0	0	158	676	0
28	0	0	0	0	0	0	0	36	217	388	535	625	660	677	561	433	262	84	1	0	0	0	0	0	187	677	0
Avg	0	0	0	0	0	0	0	9	94	205	318	397	429	363	323	232	117	24	0	0	0	0	0	0	105	466	0
Max	0	0	0	0	0	0	0	36	233	389	535	632	751	713	716	446	262	84	1	0	0	0	0	0	187	751	0
Min	0	0	0	0	0	0	0	0	12	24	57	83	127	89	82	71	34	2	0	0	0	0	0	0	35	144	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
March 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	0	14	166	339	519	636	666	633	556	431	241	44	1	0	0	0	0	0	177	666	0
2	0	0	0	0	0	0	1	52	230	404	549	576	356	247	226	170	132	49	1	0	0	0	0	0	125	576	0
3	0	0	0	0	0	0	0	46	245	419	556	644	679	652	580	490	276	86	2	0	0	0	0	0	195	679	0
4	0	0	0	0	0	0	1	54	250	420	559	646	679	648	560	443	253	95	2	0	0	0	0	0	192	679	0
5	0	0	0	0	0	0	1	60	246	418	554	630	647	458	280	305	158	82	2	0	0	0	0	0	160	647	0
6	0	0	0	0	0	0	2	67	235	443	558	655	676	636	576	447	280	86	2	0	0	0	0	0	194	676	0
7	0	0	0	0	0	0	2	68	246	356	312	445	671	472	516	450	225	55	5	0	0	0	0	0	159	671	0
8	0	0	0	0	0	0	2	91	277	434	581	663	698	668	580	456	291	113	5	0	0	0	0	0	202	698	0
9	0	0	0	0	0	0	2	98	283	440	577	660	693	669	592	480	255	86	4	0	0	0	0	0	202	693	0
10	0	0	0	0	0	0	3	117	282	449	592	675	707	680	595	466	300	125	4	0	0	0	0	0	208	707	0
11	0	0	0	0	0	0	1	31	83	156	Au	Au	Au	Au	Au	Au	112	34	1	0	0	0	0	0	23	156	0
12	0	0	0	0	0	0	3	55	107	180	280	650	756	555	338	341	193	86	4	0	0	0	0	0	148	756	0
13	0	0	0	0	0	0	4	134	290	468	606	690	724	697	614	475	325	142	9	0	0	0	0	0	216	724	0
14	0	0	0	0	0	0	2	30	102	263	392	515	394	410	365	223	128	43	3	0	0	0	0	0	120	515	0
15	0	0	0	0	0	0	2	30	71	111	152	124	64	66	134	186	99	32	2	0	0	0	0	0	45	186	0
16	0	0	0	0	0	0	3	67	186	421	505	514	585	548	214	244	127	69	6	0	0	0	0	0	145	585	0
17	0	0	0	0	0	0	2	36	98	216	280	206	177	125	145	140	80	32	2	0	0	0	0	0	64	280	0
18	0	0	0	0	0	0	4	39	104	112	274	281	249	307	215	121	92	49	7	0	0	0	0	0	77	307	0
19	0	0	0	0	0	0	9	153	305	399	630	717	747	715	633	457	223	54	2	0	0	0	0	0	210	747	0
20	0	0	0	0	0	0	10	95	342	510	640	729	753	665	616	428	145	85	9	0	0	0	0	0	209	753	0
21	0	0	0	0	0	0	11	141	120	315	483	505	397	446	197	222	161	152	12	0	0	0	0	0	132	505	0
22	0	0	0	0	0	0	18	161	328	501	635	761	768	733	641	509	256	53	10	0	0	0	0	0	224	768	0
23	0	0	0	0	0	0	9	44	257	357	467	410	283	178	92	48	62	41	7	0	0	0	0	0	94	467	0
24	0	0	0	0	0	0	21	186	323	490	646	643	707	305	336	383	240	78	7	0	0	0	0	0	182	707	0
25	0	0	0	0	0	0	12	103	174	350	332	389	421	350	354	267	118	57	10	0	0	0	0	0	122	421	0
26	0	0	0	0	0	0	5	48	97	206	332	325	596	551	460	470	406	152	23	0	0	0	0	0	153	596	0
27	0	0	0	0	0	0	25	202	377	539	655	751	718	741	620	544	376	162	12	0	0	0	0	0	238	751	0
28	0	0	0	0	0	0	43	177	160	73	58	130	573	615	442	228	189	50	7	0	0	0	0	0	114	615	0
29	0	0	0	0	0	0	50	202	318	256	398	568	822	830	693	446	190	73	15	0	0	0	0	0	203	830	0
30	0	0	0	0	0	0	40	122	400	646	753	741	811	789	683	460	192	174	17	0	0	0	0	0	243	811	0
31	0	0	0	0	0	0	23	220	294	253	340	267	332	551	424	144	66	109	7	0	0	0	0	0	126	551	0
Avg	0	0	0	0	0	0	10	95	226	353	474	538	578	531	443	349	200	82	6	0	0	0	0	0	159	604	0
Max	0	0	0	0	0	0	50	220	400	646	753	761	822	830	693	544	406	174	23	0	0	0	0	0	243	830	0
Min	0	0	0	0	0	0	0	14	71	73	58	124	64	66	92	48	62	32	1	0	0	0	0	0	23	156	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
January 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.45	24.45	24.44	24.44	24.44	24.44	24.44	24.44	24.44	24.44	24.43	24.41	24.39	24.36	24.36	24.36	24.37	24.39	24.40	24.40	24.39	24.39	24.39	24.38	24.41	24.45	24.36
2	24.37	24.36	24.35	24.34	24.32	24.31	24.30	24.29	24.29	24.28	24.25	24.22	24.19	24.17	24.16	24.15	24.15	24.14	24.15	24.15	24.15	24.17	24.20	24.22	24.24	24.37	24.14
3	24.25	24.28	24.31	24.33	24.36	24.38	24.40	24.42	24.44	24.46	24.46	24.45	24.43	24.43	24.42	24.43	24.44	24.45	24.47	24.47	24.47	24.48	24.48	24.48	24.42	24.48	24.25
4	24.48	24.47	24.48	24.49	24.48	24.48	24.49	24.50	24.51	24.52	24.53	24.53	24.53	24.54	24.55	24.55	24.55	24.54	24.52	24.50	24.48	24.45	24.41	24.37	24.50	24.55	24.37
5	24.32	24.28	24.24	24.22	24.20	24.20	24.21	24.23	24.27	24.29	24.32	24.35	24.37	24.39	24.41	24.43	24.45	24.47	24.48	24.48	24.50	24.51	24.53	24.53	24.36	24.53	24.20
6	24.54	24.55	24.57	24.58	24.58	24.58	24.58	24.58	24.60	24.61	24.63	24.63	24.63	24.65	24.69	24.72	24.77	24.79	24.82	24.83	24.84	24.85	24.87	24.89	24.68	24.89	24.54
7	24.90	24.90	24.90	24.89	24.88	24.86	24.84	24.83	24.81	24.79	24.76	24.72	24.68	24.62	24.60	24.58	24.54	24.52	24.51	24.51	24.50	24.51	24.52	24.53	24.70	24.90	24.50
8	24.53	24.54	24.54	24.55	24.54	24.55	24.55	24.59	24.64	24.67	24.70	24.73	24.73	24.73	24.73	24.75	24.77	24.78	24.78	24.77	24.75	24.73	24.71	24.68	24.67	24.78	24.53
9	24.65	24.63	24.61	24.59	24.56	24.54	24.52	24.51	24.52	24.53	24.53	24.50	24.45	24.42	24.40	24.39	24.38	24.37	24.36	24.36	24.35	24.35	24.34	24.33	24.47	24.65	24.33
10	24.32	24.32	24.32	24.32	24.31	24.30	24.30	24.31	24.32	24.32	24.31	24.29	24.27	24.25	24.24	24.24	24.23	24.24	24.24	24.24	24.24	24.25	24.26	24.26	24.28	24.32	24.23
11	24.27	24.28	24.29	24.30	24.31	24.32	24.33	24.35	24.38	24.41	24.43	24.43	24.43	24.44	24.45	24.46	24.47	24.49	24.50	24.51	24.52	24.53	24.54	24.53	24.42	24.54	24.27
12	24.54	24.54	24.55	24.55	24.54	24.53	24.52	24.52	24.52	24.54	24.54	24.52	24.49	24.48	24.48	24.48	24.48	24.49	24.50	24.51	24.52	24.53	24.54	24.55	24.52	24.55	24.48
13	24.54	24.53	24.54	24.55	24.57	24.57	24.58	24.59	24.60	24.64	24.65	24.64	24.62	24.60	24.60	24.60	24.61	24.63	24.63	24.62	24.62	24.61	24.61	24.61	24.60	24.65	24.53
14	24.58	24.57	24.57	24.56	24.55	24.55	24.55	24.55	24.55	24.57	24.57	24.55	24.54	24.53	24.54	24.54	24.55	24.57	24.58	24.59	24.59	24.59	24.59	24.59	24.56	24.59	24.53
15	24.59	24.58	24.59	24.58	24.57	24.56	24.56	24.55	24.55	24.54	24.52	24.48	24.46	24.45	24.44	24.42	24.41	24.43	24.45	24.45	24.44	24.43	24.43	24.40	24.49	24.59	24.40
16	24.37	24.35	24.34	24.31	24.29	24.27	24.25	24.22	24.20	24.19	24.19	24.19	24.18	24.17	24.16	24.17	24.20	24.21	24.23	24.26	24.28	24.31	24.34	24.37	24.25	24.37	24.16
17	24.38	24.41	24.43	24.45	24.46	24.48	24.50	24.50	24.51	24.51	24.50	24.48	24.45	24.42	24.40	24.39	24.37	24.35	24.34	24.33	24.33	24.32	24.32	24.32	24.41	24.51	24.32
18	24.32	24.31	24.30	24.30	24.28	24.25	24.25	24.27	24.27	24.27	24.26	24.26	24.25	24.25	24.25	24.27	24.27	24.28	24.30	24.30	24.31	24.32	24.32	24.35	24.28	24.35	24.25
19	24.36	24.36	24.38	24.38	24.38	24.38	24.40	24.41	24.42	24.43	24.45	24.45	24.44	24.43	24.44	24.43	24.43	24.44	24.44	24.45	24.44	24.45	24.46	24.46	24.42	24.46	24.36
20	24.46	24.47	24.48	24.48	24.49	24.49	24.50	24.51	24.53	24.54	24.56	24.55	24.54	24.53	24.52	24.53	24.53	24.55	24.56	24.56	24.56	24.57	24.58	24.58	24.53	24.58	24.46
21	24.58	24.58	24.58	24.58	24.59	24.59	24.59	24.58	24.59	24.61	24.60	24.58	24.57	24.55	24.54	24.52	24.53	24.54	24.54	24.54	24.53	24.52	24.52	24.52	24.56	24.61	24.52
22	24.52	24.52	24.52	24.52	24.52	24.52	24.53	24.53	24.54	24.54	24.53	24.52	24.51	24.50	24.50	24.51	24.51	24.52	24.53	24.53	24.54	24.55	24.57	24.59	24.53	24.59	24.50
23	24.58	24.58	24.58	24.59	24.60	24.59	24.60	24.62	24.63	24.66	24.65	24.64	24.63	24.62	24.62	24.61	24.61	24.60	24.58	24.58	24.55	24.54	24.52	24.52	24.60	24.66	24.52
24	24.50	24.48	24.46	24.47	24.48	24.46	24.46	24.45	24.44	24.46	24.47	24.49	24.49	24.50	24.50	24.52	24.53	24.54	24.55	24.55	24.53	24.52	24.52	24.52	24.50	24.55	24.44
25	24.52	24.51	24.50	24.49	24.48	24.48	24.48	24.47	24.47	24.48	24.49	24.49	24.51	24.52	24.53	24.54	24.54	24.55	24.55	24.56	24.57	24.58	24.57	24.58	24.52	24.58	24.47
26	24.57	24.56	24.55	24.54	24.54	24.54	24.53	24.54	24.54	24.55	24.56	24.55	24.53	24.50	24.48	24.47	24.47	24.46	24.45	24.46	24.45	24.45	24.45	24.45	24.51	24.57	24.45
27	24.45	24.44	24.43	24.42	24.42	24.41	24.39	24.39	24.39	24.40	24.41	24.42	24.40	24.37	24.36	24.35	24.35	24.34	24.34	24.34	24.35	24.35	24.36	24.36	24.39	24.45	24.34
28	24.36	24.37	24.38	24.38	24.40	24.43	24.44	24.46	24.49	24.52	24.54	24.56	24.56	24.56	24.57	24.59	24.61	24.63	24.65	24.66	24.67	24.67	24.69	24.70	24.54	24.70	24.36
29	24.70	24.70	24.71	24.71	24.71	24.71	24.71	24.71	24.71	24.69	24.69	24.69	24.67	24.64	24.63	24.62	24.61	24.60	24.61	24.62	24.62	24.62	24.61	24.62	24.66	24.71	24.60
30	24.61	24.61	24.60	24.59	24.60	24.59	24.59	24.59	24.59	24.57	24.58	24.57	24.56	24.54	24.53	24.51	24.50	24.48	24.47	24.47	24.45	24.44	24.44	24.43	24.54	24.61	24.43
31	24.42	24.40	24.39	24.38	24.38	24.37	24.36	24.37	24.38	24.38	24.38	24.40	24.41	24.42	24.43	24.47	24.48	24.50	24.51	24.51	24.52	24.52	24.52	24.53	24.43	24.53	24.36
Avg	24.48	24.48	24.48	24.48	24.48	24.48	24.48	24.48	24.49	24.50	24.50	24.49	24.48	24.47	24.47	24.47	24.47	24.48	24.49	24.49	24.49	24.49	24.49	24.49	24.48	24.57	24.39
Max	24.90	24.90	24.90	24.89	24.88	24.86	24.84	24.83	24.81	24.79	24.76	24.73	24.73	24.73	24.73	24.75	24.77	24.79	24.82	24.83	24.84	24.85	24.87	24.89	24.70	24.90	24.60
Min	24.25	24.28	24.24	24.22	24.20	24.20	24.21	24.22	24.20	24.19	24.19	24.19	24.18	24.17	24.16	24.15	24.15	24.14	24.15	24.15	24.15	24.17	24.20	24.22	24.24	24.32	24.14

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
February 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.54	24.53	24.54	24.52	24.52	24.52	24.51	24.50	24.49	24.49	24.46	24.43	24.41	24.37	24.34	24.32	24.30	24.29	24.28	24.27	24.25	24.24	24.24	24.24	24.40	24.54	24.24
2	24.24	24.23	24.24	24.26	24.26	24.28	24.29	24.30	24.31	24.33	24.33	24.32	24.30	24.27	24.24	24.20	24.18	24.16	24.16	24.17	24.16	24.15	24.15	24.15	24.24	24.33	24.15
3	24.15	24.15	24.16	24.18	24.19	24.20	24.22	24.23	24.23	24.25	24.26	24.26	24.26	24.25	24.25	24.26	24.26	24.28	24.32	24.35	24.38	24.40	24.42	24.44	24.26	24.44	24.15
4	24.45	24.45	24.45	24.45	24.45	24.45	24.45	24.45	24.45	24.44	24.42	24.42	24.40	24.39	24.37	24.36	24.35	24.34	24.35	24.34	24.34	24.34	24.34	24.32	24.40	24.45	24.32
5	24.32	24.31	24.30	24.29	24.28	24.28	24.27	24.26	24.26	24.25	24.24	24.22	24.20	24.21	24.21	24.21	24.22	24.21	24.22	24.21	24.22	24.22	24.22	24.24	24.24	24.32	24.20
6	24.24	24.22	24.22	24.20	24.19	24.19	24.18	24.16	24.16	24.17	24.17	24.15	24.14	24.13	24.12	24.09	24.08	24.08	24.08	24.10	24.10	24.11	24.12	24.12	24.15	24.24	24.08
7	24.12	24.11	24.11	24.11	24.11	24.10	24.09	24.07	24.07	24.05	24.06	24.05	24.05	24.07	24.09	24.10	24.12	24.15	24.19	24.21	24.22	24.23	24.24	24.25	24.12	24.25	24.05
8	24.27	24.30	24.31	24.33	24.34	24.36	24.37	24.39	24.41	24.42	24.45	24.45	24.45	24.44	24.43	24.44	24.44	24.44	24.44	24.44	24.43	24.42	24.41	24.41	24.40	24.45	24.27
9	24.39	24.37	24.36	24.33	24.30	24.27	24.26	24.23	24.22	24.21	24.23	24.21	24.21	24.21	24.20	24.20	24.21	24.21	24.22	24.23	24.25	24.27	24.28	24.29	24.26	24.39	24.20
10	24.31	24.32	24.32	24.32	24.33	24.35	24.36	24.39	24.41	24.44	24.46	24.48	24.49	24.50	24.52	24.53	24.54	24.56	24.57	24.57	24.59	24.59	24.61	24.63	24.47	24.63	24.31
11	24.62	24.62	24.61	24.62	24.63	24.65	24.65	24.66	24.66	24.68	24.69	24.68	24.66	24.64	24.63	24.63	24.62	24.59	24.59	24.58	24.57	24.57	24.55	24.55	24.62	24.69	24.55
12	24.55	24.55	24.53	24.53	24.53	24.52	24.52	24.53	24.54	24.56	24.57	24.57	24.56	24.56	24.56	24.56	24.57	24.58	24.58	24.58	24.59	24.60	24.58	24.57	24.56	24.60	24.52
13	24.57	24.58	24.58	24.59	24.59	24.61	24.62	24.62	24.62	24.64	24.64	24.64	24.62	24.60	24.59	24.58	24.58	24.57	24.56	24.55	24.55	24.52	24.52	24.50	24.58	24.64	24.50
14	24.49	24.47	24.46	24.45	24.43	24.43	24.42	24.42	24.43	24.44	24.45	24.46	24.44	24.43	24.43	24.44	24.45	24.47	24.48	24.48	24.48	24.48	24.48	24.48	24.45	24.49	24.42
15	24.49	24.50	24.52	24.52	24.53	24.53	24.54	24.53	24.54	24.56	24.57	24.57	24.54	24.52	24.51	24.51	24.50	24.49	24.50	24.51	24.52	24.52	24.52	24.52	24.52	24.57	24.49
16	24.54	24.54	24.56	24.56	24.57	24.57	24.58	24.59	24.61	24.62	24.62	24.62	24.60	24.59	24.59	24.59	24.59	24.59	24.59	24.58	24.57	24.57	24.57	24.56	24.58	24.62	24.54
17	24.55	24.54	24.54	24.54	24.53	24.54	24.53	24.53	24.52	24.52	24.52	24.50	24.49	24.47	24.46	24.44	24.42	24.41	24.40	24.41	24.41	24.42	24.43	24.43	24.48	24.55	24.40
18	24.44	24.45	24.46	24.46	24.46	24.47	24.47	24.48	24.49	24.50	24.50	24.50	24.49	24.46	24.45	24.43	24.42	24.41	24.40	24.39	24.38	24.37	24.38	24.37	24.44	24.50	24.37
19	24.37	24.36	24.35	24.34	24.36	24.37	24.36	24.36	24.37	24.37	24.38	24.38	24.37	24.35	24.33	24.33	24.32	24.32	24.32	24.31	24.30	24.30	24.29	24.28	24.34	24.38	24.28
20	24.27	24.27	24.28	24.27	24.27	24.28	24.29	24.30	24.31	24.32	24.33	24.34	24.33	24.32	24.31	24.31	24.31	24.31	24.31	24.31	24.32	24.34	24.35	24.36	24.31	24.36	24.27
21	24.37	24.40	24.42	24.43	24.44	24.45	24.46	24.48	24.50	24.50	24.51	24.52	24.52	24.53	24.54	24.55	24.57	24.60	24.63	24.64	24.65	24.66	24.66	24.65	24.53	24.66	24.37
22	24.65	24.64	24.63	24.62	24.61	24.61	24.60	24.59	24.63	24.64	24.62	24.62	24.61	24.59	24.58	24.58	24.58	24.59	24.62	24.63	24.64	24.64	24.63	24.62	24.62	24.65	24.58
23	24.62	24.61	24.60	24.59	24.58	24.57	24.57	24.56	24.58	24.58	24.58	24.57	24.56	24.55	24.55	24.55	24.54	24.54	24.55	24.56	24.56	24.57	24.56	24.56	24.57	24.62	24.54
24	24.56	24.56	24.55	24.54	24.53	24.52	24.50	24.48	24.46	24.43	24.42	24.39	24.38	24.35	24.35	24.34	24.32	24.30	24.29	24.29	24.30	24.31	24.30	24.31	24.41	24.56	24.29
25	24.32	24.34	24.35	24.37	24.39	24.41	24.43	24.44	24.47	24.51	24.53	24.53	24.54	24.53	24.53	24.52	24.52	24.53	24.53	24.54	24.54	24.54	24.54	24.53	24.48	24.54	24.32
26	24.52	24.52	24.52	24.51	24.50	24.50	24.50	24.50	24.51	24.50	24.50	24.48	24.46	24.44	24.42	24.42	24.42	24.41	24.41	24.40	24.38	24.36	24.34	24.32	24.45	24.52	24.32
27	24.30	24.28	24.26	24.24	24.22	24.22	24.20	24.20	24.23	24.22	24.23	24.23	24.22	24.21	24.22	24.23	24.25	24.26	24.28	24.29	24.30	24.31	24.32	24.32	24.25	24.32	24.20
28	24.32	24.32	24.32	24.32	24.32	24.33	24.34	24.35	24.37	24.37	24.36	24.36	24.36	24.35	24.35	24.36	24.37	24.39	24.41	24.42	24.43	24.45	24.46	24.47	24.37	24.47	24.32
Avg	24.41	24.41	24.41	24.41	24.41	24.41	24.41	24.41	24.42	24.43	24.43	24.43	24.42	24.40	24.40	24.40	24.39	24.40	24.40	24.41	24.41	24.41	24.41	24.41	24.41	24.49	24.33
Max	24.65	24.64	24.63	24.62	24.63	24.65	24.65	24.66	24.66	24.68	24.69	24.68	24.66	24.64	24.63	24.63	24.62	24.60	24.63	24.64	24.65	24.66	24.66	24.65	24.62	24.69	24.58
Min	24.12	24.11	24.11	24.11	24.11	24.10	24.09	24.07	24.07	24.05	24.06	24.05	24.05	24.07	24.09	24.09	24.08	24.08	24.08	24.10	24.10	24.11	24.12	24.12	24.12	24.24	24.05

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
March 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.48	24.49	24.50	24.50	24.50	24.51	24.51	24.52	24.53	24.52	24.52	24.51	24.50	24.47	24.44	24.42	24.39	24.37	24.36	24.35	24.34	24.33	24.32	24.30	24.45	24.53	24.30
2	24.29	24.27	24.26	24.24	24.22	24.22	24.22	24.21	24.20	24.20	24.19	24.19	24.18	24.17	24.17	24.17	24.16	24.17	24.21	24.24	24.24	24.26	24.30	24.32	24.22	24.32	24.16
3	24.34	24.35	24.36	24.36	24.37	24.38	24.37	24.37	24.37	24.36	24.34	24.33	24.31	24.28	24.27	24.27	24.28	24.29	24.31	24.33	24.34	24.34	24.36	24.37	24.34	24.38	24.27
4	24.37	24.38	24.38	24.38	24.38	24.39	24.39	24.40	24.43	24.42	24.42	24.42	24.42	24.41	24.40	24.39	24.39	24.37	24.38	24.39	24.40	24.41	24.42	24.43	24.40	24.43	24.37
5	24.44	24.45	24.45	24.46	24.46	24.48	24.48	24.49	24.51	24.51	24.52	24.51	24.51	24.51	24.50	24.51	24.51	24.51	24.51	24.51	24.51	24.53	24.53	24.53	24.50	24.53	24.44
6	24.53	24.54	24.54	24.54	24.54	24.54	24.55	24.56	24.56	24.57	24.58	24.58	24.57	24.57	24.56	24.56	24.57	24.56	24.56	24.57	24.58	24.58	24.58	24.58	24.56	24.58	24.53
7	24.58	24.58	24.58	24.56	24.56	24.55	24.54	24.54	24.53	24.53	24.53	24.52	24.52	24.50	24.50	24.50	24.49	24.48	24.48	24.49	24.49	24.49	24.48	24.48	24.52	24.58	24.48
8	24.47	24.46	24.46	24.46	24.46	24.47	24.47	24.47	24.47	24.48	24.46	24.45	24.44	24.42	24.40	24.39	24.38	24.37	24.37	24.37	24.38	24.38	24.39	24.38	24.43	24.48	24.37
9	24.39	24.39	24.39	24.38	24.38	24.38	24.38	24.38	24.39	24.40	24.39	24.38	24.37	24.35	24.33	24.32	24.32	24.31	24.30	24.31	24.32	24.34	24.35	24.36	24.36	24.40	24.30
10	24.38	24.39	24.39	24.39	24.40	24.41	24.41	24.40	24.42	24.43	24.42	24.42	24.41	24.40	24.39	24.39	24.39	24.39	24.39	24.39	24.40	24.41	24.41	24.40	24.40	24.43	24.38
11	24.40	24.40	24.39	24.38	24.38	24.38	24.38	24.39	24.40	24.40	Au	Au	Au	Au	Au	Au	24.37	24.37	24.37	24.38	24.39	24.41	24.44	24.45	24.39	24.45	24.37
12	24.46	24.46	24.47	24.48	24.49	24.51	24.53	24.55	24.58	24.59	24.60	24.61	24.61	24.61	24.60	24.61	24.63	24.63	24.64	24.66	24.67	24.67	24.69	24.70	24.59	24.70	24.46
13	24.70	24.71	24.71	24.72	24.73	24.74	24.75	24.75	24.76	24.76	24.76	24.75	24.72	24.70	24.68	24.67	24.66	24.64	24.63	24.62	24.61	24.60	24.58	24.56	24.69	24.76	24.56
14	24.54	24.53	24.52	24.50	24.49	24.48	24.44	24.43	24.41	24.39	24.36	24.34	24.32	24.29	24.26	24.27	24.27	24.27	24.28	24.30	24.31	24.32	24.32	24.33	24.37	24.54	24.26
15	24.34	24.33	24.34	24.34	24.34	24.35	24.34	24.34	24.34	24.36	24.36	24.37	24.38	24.37	24.34	24.31	24.31	24.31	24.31	24.32	24.32	24.33	24.30	24.29	24.33	24.38	24.29
16	24.30	24.33	24.36	24.40	24.43	24.46	24.50	24.53	24.56	24.59	24.59	24.60	24.60	24.61	24.62	24.63	24.64	24.65	24.65	24.66	24.66	24.66	24.65	24.64	24.55	24.66	24.30
17	24.62	24.61	24.59	24.58	24.56	24.55	24.54	24.52	24.51	24.51	24.49	24.48	24.46	24.43	24.41	24.40	24.38	24.36	24.35	24.33	24.33	24.33	24.33	24.33	24.46	24.62	24.33
18	24.33	24.33	24.34	24.34	24.35	24.36	24.37	24.37	24.38	24.38	24.39	24.38	24.39	24.37	24.37	24.39	24.41	24.41	24.42	24.43	24.44	24.45	24.46	24.47	24.39	24.47	24.33
19	24.48	24.48	24.49	24.49	24.49	24.49	24.49	24.50	24.52	24.51	24.50	24.49	24.47	24.45	24.44	24.43	24.42	24.41	24.40	24.39	24.41	24.42	24.43	24.42	24.46	24.52	24.39
20	24.41	24.42	24.43	24.43	24.43	24.44	24.45	24.46	24.48	24.48	24.48	24.48	24.47	24.46	24.44	24.43	24.43	24.42	24.41	24.41	24.41	24.41	24.41	24.42	24.44	24.48	24.41
21	24.40	24.40	24.39	24.38	24.37	24.36	24.36	24.37	24.36	24.37	24.36	24.34	24.34	24.34	24.35	24.36	24.36	24.36	24.36	24.36	24.38	24.39	24.39	24.40	24.37	24.40	24.34
22	24.41	24.42	24.42	24.42	24.43	24.43	24.43	24.46	24.46	24.46	24.46	24.45	24.45	24.44	24.41	24.40	24.39	24.39	24.38	24.38	24.39	24.38	24.37	24.35	24.42	24.46	24.35
23	24.34	24.33	24.30	24.27	24.26	24.24	24.23	24.21	24.20	24.19	24.18	24.17	24.16	24.16	24.17	24.19	24.20	24.20	24.21	24.21	24.22	24.23	24.24	24.25	24.22	24.34	24.16
24	24.24	24.25	24.25	24.24	24.25	24.26	24.26	24.27	24.27	24.27	24.26	24.25	24.24	24.25	24.25	24.26	24.27	24.29	24.31	24.33	24.35	24.36	24.39	24.41	24.28	24.41	24.24
25	24.42	24.44	24.45	24.46	24.47	24.49	24.51	24.52	24.53	24.55	24.55	24.54	24.54	24.52	24.51	24.50	24.50	24.50	24.51	24.51	24.51	24.52	24.53	24.54	24.50	24.55	24.42
26	24.55	24.55	24.55	24.55	24.54	24.54	24.55	24.55	24.55	24.56	24.56	24.55	24.54	24.53	24.52	24.52	24.53	24.54	24.55	24.56	24.57	24.57	24.56	24.55	24.55	24.57	24.52
27	24.55	24.54	24.54	24.53	24.52	24.51	24.51	24.53	24.53	24.52	24.51	24.50	24.48	24.47	24.45	24.44	24.43	24.42	24.42	24.42	24.42	24.41	24.40	24.39	24.48	24.55	24.39
28	24.36	24.34	24.31	24.28	24.26	24.24	24.22	24.21	24.18	24.19	24.25	24.29	24.30	24.30	24.30	24.32	24.34	24.37	24.41	24.46	24.49	24.51	24.52	24.54	24.33	24.54	24.18
29	24.55	24.57	24.56	24.56	24.57	24.56	24.55	24.56	24.56	24.56	24.57	24.56	24.53	24.51	24.49	24.47	24.46	24.46	24.45	24.47	24.48	24.49	24.49	24.49	24.52	24.57	24.45
30	24.48	24.48	24.48	24.48	24.48	24.48	24.49	24.50	24.52	24.52	24.52	24.51	24.49	24.47	24.45	24.43	24.42	24.41	24.40	24.40	24.40	24.40	24.39	24.37	24.46	24.52	24.37
31	24.36	24.34	24.32	24.30	24.29	24.27	24.26	24.26	24.24	24.22	24.20	24.18	24.16	24.12	24.09	24.10	24.10	24.09	24.09	24.10	24.15	24.18	24.17	24.18	24.20	24.36	24.09
Avg	24.44	24.44	24.44	24.43	24.43	24.43	24.43	24.44	24.44	24.45	24.44	24.44	24.43	24.42	24.40	24.40	24.40	24.40	24.40	24.41	24.42	24.42	24.43	24.43	24.43	24.50	24.35
Max	24.70	24.71	24.71	24.72	24.73	24.74	24.75	24.75	24.76	24.76	24.76	24.75	24.72	24.70	24.68	24.67	24.66	24.65	24.65	24.66	24.67	24.67	24.69	24.70	24.69	24.76	24.56
Min	24.24	24.25	24.25	24.24	24.22	24.22	24.22	24.21	24.18	24.19	24.18	24.17	24.16	24.12	24.09	24.10	24.10	24.09	24.09	24.10	24.15	24.18	24.17	24.18	24.20	24.32	24.09

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
January 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	81.1	80.5	81.1	80.8	80.8	82.0	81.5	82.2	82.0	81.6	80.6	71.5	66.5	64.3	67.6	66.0	76.0	83.7	85.8	83.9	86.2	84.4	84.6	84.4	79.1	86.2	64.3
2	84.4	83.9	82.8	82.7	82.5	82.0	81.9	81.9	81.1	83.1	86.7	88.8	83.8	73.8	74.8	76.0	78.0	81.7	87.5	90.5	88.6	87.7	84.4	80.5	82.9	90.5	73.8
3	73.3	73.5	71.9	70.7	72.8	74.1	76.8	77.6	75.8	71.7	67.8	70.8	67.4	73.2	71.5	71.1	75.5	79.2	79.4	79.5	78.7	78.8	78.4	77.8	74.5	79.5	67.4
4	77.9	78.6	78.2	77.7	78.0	78.5	78.2	78.3	78.6	78.1	77.3	77.8	78.6	78.6	79.2	80.2	80.6	81.4	81.8	81.9	82.2	82.8	83.9	85.1	79.7	85.1	77.3
5	87.0	89.5	90.9	91.6	92.4	93.2	86.5	85.8	85.7	79.6	81.6	85.1	83.8	82.9	81.2	85.8	86.3	92.1	93.0	94.1	95.2	95.1	94.9	94.3	88.6	95.2	79.6
6	88.4	88.4	80.2	80.2	83.0	82.7	79.8	74.9	73.6	71.5	68.4	70.5	81.7	83.0	82.5	82.0	83.2	82.0	79.3	79.6	77.9	76.2	77.0	76.6	79.3	88.4	68.4
7	76.4	74.7	73.7	73.8	73.5	75.5	75.8	79.2	81.1	73.0	65.4	61.9	57.5	67.4	74.6	77.6	81.0	83.0	86.5	89.4	87.7	90.6	92.9	92.2	77.7	92.9	57.5
8	89.7	88.6	90.9	88.5	89.4	90.7	88.9	77.9	71.9	71.7	68.3	67.5	73.8	75.5	75.7	77.1	77.3	78.3	83.1	83.5	80.2	77.8	75.4	74.7	79.8	90.9	67.5
9	73.7	72.0	71.4	70.7	69.4	69.5	68.8	69.2	70.4	70.6	74.5	77.8	78.6	75.0	72.6	75.2	78.2	83.6	84.2	84.4	85.3	86.8	86.1	86.6	76.4	86.8	68.8
10	86.6	86.9	85.5	85.1	84.1	84.3	83.3	83.4	84.3	86.2	83.3	75.8	73.3	72.5	73.5	75.0	77.0	81.3	82.8	80.3	88.6	89.8	95.9	96.6	83.1	96.6	72.5
11	95.3	95.9	95.7	96.4	89.1	88.5	89.7	89.4	89.1	88.3	82.1	80.4	79.6	78.8	80.7	86.8	88.6	89.6	90.9	94.6	93.6	91.8	91.0	89.9	89.0	96.4	78.8
12	89.6	89.3	89.0	88.2	87.6	84.7	83.5	81.8	81.4	80.5	83.0	83.5	83.1	84.7	84.8	84.2	87.3	89.8	90.0	90.3	89.6	90.4	87.6	85.0	86.2	90.4	80.5
13	83.7	82.2	81.1	80.5	79.8	79.1	77.6	78.5	78.9	78.9	75.8	76.2	71.2	67.6	66.7	68.5	79.2	85.9	86.2	86.5	85.6	83.3	83.0	82.2	79.1	86.5	66.7
14	82.1	81.0	80.8	79.8	79.1	79.2	79.1	78.8	79.8	78.0	72.9	66.4	65.9	68.7	63.8	69.7	77.5	88.1	89.6	89.1	88.9	87.7	87.5	85.8	79.1	89.6	63.8
15	85.9	84.9	83.4	84.3	82.5	82.8	82.2	82.7	83.7	84.9	85.6	85.5	84.8	82.2	81.2	73.6	81.4	90.1	89.6	87.9	85.9	86.2	85.1	85.5	84.2	90.1	73.6
16	84.7	85.5	86.9	87.2	89.8	90.0	90.2	90.1	91.1	78.9	65.8	68.0	70.7	69.6	69.7	66.0	59.3	54.3	57.2	61.5	63.2	63.3	65.0	69.5	74.1	91.1	54.3
17	69.2	70.2	71.6	67.8	70.1	70.7	78.3	82.8	82.6	79.5	73.3	66.8	60.5	50.0	39.5	43.2	42.4	48.0	48.1	54.0	54.7	62.5	58.9	66.4	63.0	82.8	39.5
18	72.6	74.9	77.8	76.9	78.7	80.0	82.7	89.1	91.3	91.3	82.0	70.5	63.8	63.9	56.5	56.5	57.2	59.4	64.0	64.0	57.6	57.6	59.1	60.7	70.3	91.3	56.5
19	60.9	60.5	57.4	57.7	63.8	66.7	65.1	64.6	64.7	62.6	61.8	61.5	63.7	67.1	67.3	68.5	69.3	73.6	76.6	75.3	77.1	80.6	85.9	86.8	68.3	86.8	57.4
20	87.9	88.6	88.9	88.8	87.3	88.9	87.0	87.2	88.0	85.5	82.0	73.7	71.3	69.8	69.8	73.0	76.4	80.3	81.1	86.7	87.7	87.9	88.8	88.4	83.1	88.9	69.8
21	86.6	84.6	83.2	81.2	81.0	79.8	79.1	78.0	78.1	80.1	79.7	74.8	73.5	64.7	63.4	68.4	70.7	83.4	87.2	85.0	83.4	82.3	81.8	81.6	78.8	87.2	63.4
22	80.7	80.7	80.4	82.2	82.2	82.2	81.9	82.1	81.9	81.9	82.9	74.2	36.1	32.9	32.5	34.6	36.8	44.4	57.9	54.9	56.3	66.7	75.4	80.1	65.9	82.9	32.5
23	80.8	79.1	78.4	82.0	83.8	87.0	88.8	89.0	87.4	88.3	79.4	70.5	67.3	67.5	69.5	70.0	69.1	78.7	82.4	87.1	89.1	90.4	88.8	88.1	80.9	90.4	67.3
24	81.3	72.9	66.5	68.3	71.0	73.2	75.5	77.4	81.9	80.1	78.5	73.5	72.8	75.3	76.3	77.7	76.1	76.4	77.8	82.1	85.1	87.7	89.2	88.3	77.7	89.2	66.5
25	85.7	85.7	87.2	86.5	83.5	78.5	77.9	72.3	71.6	70.8	66.8	63.2	61.6	60.2	60.5	54.7	53.8	55.9	62.1	63.7	64.7	61.3	67.6	69.5	69.4	87.2	53.8
26	76.1	77.6	80.1	80.9	82.2	82.2	84.4	85.4	86.1	83.4	73.4	65.9	52.6	52.1	43.4	44.1	44.9	60.7	69.4	75.3	75.2	78.4	80.7	84.2	71.6	86.1	43.4
27	84.6	86.5	85.8	86.7	88.2	89.9	89.7	88.0	88.1	84.3	76.9	66.3	65.1	61.7	62.5	62.0	64.2	70.1	76.3	78.5	84.4	84.6	84.4	85.9	78.9	89.9	61.7
28	87.5	89.3	88.1	77.1	67.7	68.8	67.3	64.0	75.9	68.3	65.6	60.2	63.1	60.2	60.2	60.5	67.4	70.3	68.6	73.8	79.0	83.7	87.5	87.1	72.5	89.3	60.2
29	87.9	91.1	90.8	89.0	88.3	88.5	87.4	85.6	85.6	79.2	70.4	55.0	54.5	54.0	40.4	41.8	53.6	65.5	67.8	75.8	78.4	81.8	82.1	83.2	74.1	91.1	40.4
30	84.1	86.5	85.8	86.1	85.7	86.2	85.3	84.4	83.1	74.5	64.4	53.0	52.2	37.5	41.6	49.2	49.3	62.7	68.4	77.1	76.6	81.2	82.8	84.6	71.8	86.5	37.5
31	84.7	84.4	86.0	85.3	84.3	84.9	85.0	85.4	83.2	83.9	80.0	69.7	66.3	67.0	70.4	74.4	75.2	78.7	79.0	80.5	82.0	81.4	80.6	81.1	79.7	86.0	66.3
Avg	82.3	82.2	81.7	81.1	81.0	81.4	81.3	80.9	81.2	79.0	75.4	71.2	68.5	67.2	66.3	67.5	70.1	75.2	77.9	79.7	80.3	81.3	82.1	82.7	77.4	88.8	62.3
Max	95.3	95.9	95.7	96.4	92.4	93.2	90.2	90.1	91.3	91.3	86.7	88.8	84.8	84.7	84.8	86.8	88.6	92.1	93.0	94.6	95.2	95.1	95.9	96.6	89.0	96.6	80.5
Min	60.9	60.5	57.4	57.7	63.8	66.7	65.1	64.0	64.7	62.6	61.8	53.0	36.1	32.9	32.5	34.6	36.8	44.4	48.1	54.0	54.7	57.6	58.9	60.7	63.0	79.5	32.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
February 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	82.4	81.1	79.6	79.3	79.0	79.3	80.4	79.6	77.0	74.3	58.9	58.5	60.0	62.4	61.8	64.4	84.8	91.4	92.2	92.3	92.1	91.9	92.2	91.9	78.6	92.3	58.5
2	91.6	91.2	84.0	82.7	83.4	76.2	72.2	71.2	71.8	67.2	68.1	65.9	62.8	62.8	63.2	59.4	53.4	53.3	62.1	67.0	74.1	77.5	78.7	71.5	71.3	91.6	53.3
3	67.3	69.8	70.5	72.9	69.9	67.5	67.0	68.6	68.1	66.9	65.5	63.6	62.7	61.3	61.8	65.3	72.0	75.8	82.9	84.5	85.2	85.1	85.1	84.7	71.8	85.2	61.3
4	84.6	84.1	83.8	84.1	85.1	87.3	87.4	85.8	85.4	83.9	74.4	63.5	60.0	62.0	64.7	64.7	67.3	73.9	76.6	85.2	89.7	92.6	94.0	92.7	79.7	94.0	60.0
5	93.7	92.8	93.4	93.9	93.5	94.3	93.1	92.4	88.4	86.0	84.3	67.0	40.2	51.7	67.3	66.7	68.0	82.2	85.5	81.6	59.1	44.9	43.0	44.8	75.3	94.3	40.2
6	52.4	56.7	52.9	55.9	41.6	38.5	37.9	36.7	36.5	32.4	31.4	31.0	30.8	32.4	31.6	33.1	36.4	40.7	38.9	37.7	41.2	45.7	45.5	45.1	40.1	56.7	30.8
7	45.3	46.5	49.3	52.9	71.2	68.3	75.4	76.6	82.4	83.7	79.8	79.2	77.2	78.7	68.9	58.5	66.0	72.5	67.5	64.9	66.2	66.8	67.7	65.8	68.0	83.7	45.3
8	64.8	69.9	68.2	68.8	72.8	72.8	73.4	73.7	69.8	64.7	55.8	53.1	51.3	48.1	48.3	47.1	51.7	61.1	72.5	75.9	80.0	79.0	83.9	82.9	66.2	83.9	47.1
9	84.0	84.7	80.7	83.4	85.7	83.2	84.9	84.6	78.5	89.6	93.1	91.7	81.0	84.3	82.3	87.3	90.3	92.0	89.5	88.3	85.9	80.8	81.7	78.6	85.3	93.1	78.5
10	80.3	85.8	85.1	84.3	85.0	84.5	84.8	85.1	85.0	83.6	85.5	84.7	82.2	81.2	80.4	77.6	78.5	83.5	90.2	90.9	93.9	94.1	96.0	95.9	85.8	96.0	77.6
11	95.3	95.2	95.5	94.8	93.4	92.5	91.6	91.2	91.0	88.3	81.7	70.5	61.4	57.0	56.8	57.0	62.5	72.1	81.5	86.0	88.8	90.2	92.4	91.4	82.4	95.5	56.8
12	90.4	86.3	87.0	84.9	86.8	87.2	85.8	76.3	71.4	61.8	53.7	51.0	50.8	53.1	51.7	52.9	53.8	58.3	61.8	73.0	73.1	73.2	83.7	87.9	70.7	90.4	50.8
13	89.1	86.5	87.6	87.7	90.0	90.6	90.3	91.3	85.3	75.7	69.1	52.4	52.4	50.7	49.6	49.9	49.9	61.1	75.8	81.4	84.2	87.3	85.7	88.2	75.5	91.3	49.6
14	88.2	90.7	92.6	92.0	91.9	91.0	90.3	88.1	86.3	80.6	51.0	46.6	44.4	47.5	55.5	61.3	67.0	68.4	74.2	75.1	76.0	76.1	77.3	81.2	74.7	92.6	44.4
15	83.3	87.3	70.4	71.9	76.1	86.9	89.0	90.4	88.8	81.2	78.6	55.5	51.6	73.6	87.6	77.8	73.4	79.1	87.8	90.9	90.6	92.2	90.7	90.6	81.1	92.2	51.6
16	90.9	81.9	74.0	76.6	78.8	80.9	78.7	76.9	83.0	83.5	81.9	81.7	81.5	80.6	73.7	78.1	65.3	73.7	81.5	78.5	77.3	78.8	86.7	87.4	79.7	90.9	65.3
17	88.1	87.2	82.4	80.2	78.9	78.3	79.8	83.1	86.5	79.5	59.9	70.8	65.9	61.2	56.7	56.1	57.9	56.9	63.5	69.8	76.0	78.1	81.0	84.6	73.4	88.1	56.1
18	84.6	87.0	86.6	86.4	86.0	84.0	84.3	86.1	74.6	66.5	46.8	33.7	34.8	38.7	38.5	37.1	41.9	44.2	47.9	61.6	68.8	72.7	65.8	50.9	62.9	87.0	33.7
19	41.0	47.0	53.8	56.3	65.0	67.7	66.1	66.1	62.7	56.4	51.6	51.4	51.0	52.8	51.3	50.8	52.3	56.5	60.9	66.1	71.0	69.3	71.4	77.0	59.0	77.0	41.0
20	91.5	95.1	92.4	93.0	89.2	88.5	86.5	86.7	85.1	84.6	80.7	73.6	71.4	67.8	77.5	81.4	90.9	95.5	95.0	78.6	75.6	74.8	72.3	75.4	83.5	95.5	67.8
21	72.5	69.7	63.9	64.9	67.1	69.5	73.4	74.2	69.8	67.7	68.2	65.8	61.2	58.0	61.5	60.5	68.5	66.7	62.0	64.7	66.2	75.8	78.7	77.7	67.8	78.7	58.0
22	75.8	77.0	76.0	73.9	74.4	72.6	71.7	70.6	71.8	67.4	54.6	42.5	41.9	43.5	38.6	36.1	40.4	46.5	62.5	69.4	71.8	75.6	77.8	77.9	62.9	77.9	36.1
23	78.3	77.2	77.1	76.7	75.9	75.9	75.7	75.6	75.1	68.1	46.5	36.5	40.2	39.2	40.9	47.3	54.6	61.0	62.9	68.7	69.5	71.6	74.1	80.2	64.5	80.2	36.5
24	79.6	83.2	83.3	86.4	84.9	85.8	84.6	84.9	81.3	71.6	48.6	42.3	43.4	47.4	53.4	66.3	68.6	67.7	70.9	70.6	86.7	90.5	90.4	91.0	73.5	91.0	42.3
25	90.1	84.6	86.8	90.0	90.5	85.5	86.9	86.9	83.4	77.9	76.9	72.2	68.9	72.8	76.0	76.8	78.2	82.7	83.6	84.7	85.4	84.8	85.1	85.5	82.3	90.5	68.9
26	85.8	84.9	85.3	84.6	84.1	82.9	80.3	78.4	74.8	70.5	66.2	62.8	65.6	64.8	65.2	67.0	69.6	73.6	77.8	78.7	79.7	78.5	79.8	78.1	75.8	85.8	62.8
27	77.0	77.5	76.7	75.7	75.4	75.4	74.4	74.7	73.8	60.9	59.5	66.5	68.9	74.8	74.5	76.1	77.4	73.3	74.9	78.1	76.5	79.3	81.0	80.2	74.3	81.0	59.5
28	79.7	79.7	79.0	80.7	78.8	77.9	76.8	75.9	73.0	60.1	60.5	70.7	70.6	68.8	67.0	66.4	64.6	65.6	71.4	74.4	78.1	78.4	79.3	78.6	73.2	80.7	60.1
Avg	79.6	80.0	78.5	79.1	79.8	79.5	79.4	79.0	77.2	72.7	65.5	60.9	58.4	59.9	60.9	61.5	64.5	68.9	73.4	75.7	77.2	78.1	79.3	79.2	72.8	87.0	53.4
Max	95.3	95.2	95.5	94.8	93.5	94.3	93.1	92.4	91.0	89.6	93.1	91.7	82.2	84.3	87.6	87.3	90.9	95.5	95.0	92.3	93.9	94.1	96.0	95.9	85.8	96.0	78.5
Min	41.0	46.5	49.3	52.9	41.6	38.5	37.9	36.7	36.5	32.4	31.4	31.0	30.8	32.4	31.6	33.1	36.4	40.7	38.9	37.7	41.2	44.9	43.0	44.8	40.1	56.7	30.8

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
March 2015

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	77.8	78.4	79.7	82.9	82.5	81.6	78.7	78.5	75.4	62.2	55.3	54.6	51.1	45.1	42.9	43.5	44.5	50.7	61.2	68.5	72.2	74.2	78.4	82.2	66.8	82.9	42.9
2	83.6	83.4	82.2	82.8	82.8	81.8	82.1	81.9	73.1	53.6	53.5	58.2	59.1	64.3	65.5	63.5	66.0	66.7	68.1	65.7	66.9	67.1	67.7	70.3	70.4	83.6	53.5
3	69.5	65.4	60.9	61.8	63.3	57.5	62.2	62.9	53.9	50.8	48.6	48.8	49.5	46.3	49.8	50.9	46.9	41.1	41.1	46.5	55.1	65.3	69.3	69.5	55.7	69.5	41.1
4	72.6	73.5	73.9	74.5	74.5	76.2	76.7	75.6	62.3	53.2	51.9	54.5	55.1	53.3	51.0	47.5	45.1	44.3	48.8	57.0	66.4	73.0	77.7	80.2	63.3	80.2	44.3
5	82.0	83.3	82.1	82.7	82.2	82.4	81.7	81.0	74.9	62.5	48.1	34.5	34.2	35.3	35.7	41.2	41.5	38.9	40.6	45.7	55.3	63.2	68.4	70.1	60.3	83.3	34.2
6	69.2	72.8	74.7	74.9	76.5	75.6	74.8	73.3	64.0	49.5	45.4	44.3	42.0	40.3	40.5	40.0	41.1	44.3	44.6	47.3	59.2	66.8	71.1	73.9	58.6	76.5	40.0
7	75.4	78.5	80.4	83.9	82.5	86.4	85.7	82.9	69.7	60.7	42.9	40.7	41.8	51.0	50.3	46.1	47.6	51.6	52.8	61.0	68.0	75.4	76.1	77.9	65.4	86.4	40.7
8	82.8	83.6	89.3	90.9	91.1	91.3	90.3	85.2	72.7	65.4	57.6	54.9	51.1	48.0	46.2	42.4	39.3	41.1	46.0	52.7	51.2	57.2	69.1	75.2	65.6	91.3	39.3
9	83.2	85.5	86.4	86.3	87.7	88.0	88.3	83.5	75.0	59.3	48.5	46.7	43.5	36.4	32.4	31.0	28.8	34.3	41.2	51.0	62.8	70.5	72.2	75.9	62.4	88.3	28.8
10	81.0	82.7	82.0	85.5	87.2	85.8	83.7	79.7	68.5	60.8	43.7	32.3	29.8	26.8	27.0	28.2	30.3	30.6	44.3	58.5	63.1	70.1	72.9	80.0	59.8	87.2	26.8
11	76.9	79.5	77.5	78.9	82.3	77.7	78.4	75.1	77.2	70.2	Au	Au	Au	Au	Au	Au	32.8	37.8	50.3	61.9	69.0	66.2	65.4	66.4	68.0	82.3	32.8
12	69.2	74.9	79.8	83.4	88.0	90.8	91.6	89.5	88.6	84.2	70.0	63.3	57.4	55.0	48.5	47.3	51.5	53.6	60.0	68.6	77.7	82.7	84.2	85.7	72.7	91.6	47.3
13	88.0	90.4	90.0	89.0	89.0	90.8	90.5	83.5	77.7	72.1	49.5	42.0	38.6	34.8	31.5	31.1	28.8	34.2	52.2	59.5	70.0	71.5	70.9	71.0	64.4	90.8	28.8
14	77.5	77.5	78.8	66.8	43.4	45.7	47.4	41.1	43.1	36.1	34.6	30.8	27.7	26.5	26.3	32.3	36.8	43.0	48.0	52.3	56.6	58.0	58.3	57.9	47.8	78.8	26.3
15	58.6	57.9	57.3	57.6	69.6	70.5	74.3	63.4	55.9	62.0	66.0	66.0	69.1	70.0	63.2	54.3	54.1	57.9	59.5	66.0	48.3	44.7	40.0	41.4	59.5	74.3	40.0
16	45.4	39.6	53.0	70.2	74.4	77.6	88.8	93.0	85.5	76.6	75.7	69.9	68.4	69.8	73.4	71.7	78.3	86.6	91.8	93.3	89.7	85.6	85.3	84.5	76.2	93.3	39.6
17	83.1	82.1	83.7	85.5	88.9	85.8	85.1	81.9	80.2	79.1	77.0	82.1	87.3	90.0	91.5	89.9	90.0	92.8	95.7	96.5	96.7	97.2	97.5	97.5	88.2	97.5	77.0
18	97.6	97.7	97.7	97.8	96.7	87.4	83.0	84.3	79.4	76.0	72.9	70.6	68.3	68.2	74.0	89.0	91.1	88.8	90.4	78.5	75.2	76.2	74.3	76.4	83.0	97.8	68.2
19	78.3	80.1	80.8	81.1	78.5	82.7	90.3	82.0	70.7	65.7	59.7	53.1	48.0	44.1	39.9	36.5	37.3	43.2	49.9	61.4	67.5	43.3	40.5	40.0	60.6	90.3	36.5
20	41.3	42.9	39.4	45.8	50.3	59.9	57.7	59.4	40.7	36.5	32.0	29.7	28.4	26.2	25.8	24.4	27.5	27.6	45.2	54.9	58.8	69.4	67.3	71.9	44.3	71.9	24.4
21	77.8	81.2	82.1	84.5	86.4	86.7	85.6	82.3	77.0	62.5	35.7	30.7	35.0	36.4	40.1	47.0	43.6	44.2	45.8	42.2	46.1	57.7	56.9	57.0	59.4	86.7	30.7
22	47.4	53.3	57.9	62.3	65.5	70.0	75.4	69.8	59.6	51.8	45.3	37.6	28.8	26.9	24.2	20.6	21.7	25.1	31.1	42.6	54.2	57.3	56.8	53.8	47.5	75.4	20.6
23	49.6	37.8	43.4	51.1	54.5	56.8	58.1	58.0	51.2	31.7	29.4	31.7	36.0	48.5	71.0	90.9	97.4	97.7	97.8	98.1	97.7	96.8	93.4	88.7	65.3	98.1	29.4
24	85.8	86.7	86.1	84.8	80.5	80.3	78.3	73.4	69.1	64.2	55.0	49.4	43.2	44.7	47.5	48.1	53.6	65.8	76.2	88.9	93.3	91.2	92.0	93.7	72.2	93.7	43.2
25	92.9	92.6	92.2	91.9	90.0	89.2	90.1	84.7	77.2	72.7	66.5	59.2	51.7	49.2	47.2	47.6	55.5	62.8	64.7	64.9	69.5	65.3	67.7	69.9	71.5	92.9	47.2
26	73.6	88.0	95.0	95.0	94.6	90.8	89.4	88.5	87.1	82.8	75.6	68.8	64.4	58.5	57.5	53.8	52.4	56.8	64.2	70.8	77.3	84.9	88.2	90.9	77.0	95.0	52.4
27	93.4	93.4	93.8	95.0	94.3	94.9	93.9	86.5	77.5	52.9	41.8	36.7	34.6	28.9	29.3	30.6	31.1	31.5	39.0	57.0	65.6	76.5	80.8	82.1	64.2	95.0	28.9
28	86.8	87.9	90.8	91.7	92.0	89.8	87.9	77.7	35.9	48.4	68.1	77.1	57.2	46.4	37.9	40.8	39.3	48.4	64.0	91.0	90.2	84.4	86.1	86.6	71.1	92.0	35.9
29	89.8	89.5	86.3	83.5	85.7	76.4	75.7	67.1	61.5	59.7	54.5	44.0	36.6	34.2	33.2	34.3	37.2	38.8	42.3	45.0	48.4	51.4	53.1	54.2	57.6	89.8	33.2
30	54.4	57.4	63.6	70.0	77.9	82.1	84.3	83.6	63.9	44.0	38.6	36.6	32.0	32.3	31.0	29.6	30.6	29.1	34.7	53.3	58.0	63.2	67.2	73.1	53.8	84.3	29.1
31	75.9	78.5	81.2	83.1	79.0	79.0	79.7	70.6	49.7	27.2	24.1	23.2	22.5	19.8	21.0	31.6	39.6	42.9	55.6	68.6	65.4	66.2	63.5	53.8	54.2	83.1	19.8
Avg	74.9	76.0	77.5	79.2	79.7	79.7	80.3	76.8	67.7	59.2	52.2	49.1	46.4	45.2	45.2	46.2	47.1	50.1	56.4	63.5	67.6	70.1	71.4	72.6	64.1	86.6	38.2
Max	97.6	97.7	97.7	97.8	96.7	94.9	93.9	93.0	88.6	84.2	77.0	82.1	87.3	90.0	91.5	90.9	97.4	97.7	97.8	98.1	97.7	97.2	97.5	97.5	88.2	98.1	77.0
Min	41.3	37.8	39.4	45.8	43.4	45.7	47.4	41.1	35.9	27.2	24.1	23.2	22.5	19.8	21.0	20.6	21.7	25.1	31.1	42.2	46.1	43.3	40.0	40.0	44.3	69.5	19.8

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
January 2015

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.010	0.000	0.000	0.010	0.000	0.000	0.010	0.000	0.000	0.000	0.010	0.010	0.010	0.010	0.020	0.010	0.020	0.010	0.010	0.010	0.020	0.010	0.000	0.000	0.180	0.020
6	0.000	0.020	0.020	0.020	0.020	0.020	0.010	0.020	0.020	0.020	0.010	0.020	0.030	0.020	0.010	0.020	0.010	0.010	0.010	0.000	0.010	0.000	0.010	0.010	0.340	0.030
7	0.000	0.010	0.010	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.000	0.010	0.010	0.000	0.000	0.010	0.000	0.010	0.000	0.100	0.010
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.010	0.040	0.010
11	0.020	0.010	0.020	0.020	0.020	0.010	0.010	0.020	0.010	0.010	0.020	0.010	0.020	0.010	0.020	0.020	0.010	0.020	0.010	0.010	0.010	0.020	0.010	0.010	0.350	0.020
12	0.010	0.010	0.000	0.010	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.000	0.020	0.010	0.010	0.010	0.010	0.000	0.010	0.000	0.010	0.000	0.000	0.140	0.020
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.010	0.020	0.010
20	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.060	0.010
21	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
24	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.030
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.040	0.050	0.050	0.060	0.070	0.050	0.040	0.060	0.100	0.030	0.070	0.060	0.070	0.080	0.120	0.060	0.070	0.060	0.030	0.050	0.060	0.050	0.030	0.050	1.410	0.000
Max	0.020	0.020	0.020	0.020	0.020	0.020	0.010	0.020	0.030	0.020	0.020	0.020	0.030	0.020	0.020	0.020	0.020	0.020	0.010	0.010	0.020	0.020	0.010	0.010	0.350	0.030

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
February 2015

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.040	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.040
3	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.010
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010	0.030	0.000	0.020	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.110	0.030
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.050	0.130	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.230	0.130
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.030
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.030	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.030
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.040
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.020
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.030	0.030	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.030
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.040	0.060	0.190	0.090	0.120	0.110	0.060	0.050	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.780	0.000
Max	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.020	0.050	0.130	0.040	0.040	0.040	0.020	0.030	0.010	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.230	0.130

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
March 2015

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.020
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.030
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.020
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Au	Au	Au	Au	Au	Au	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.020	0.000	0.010	0.010	0.010	0.010	0.050	0.020	0.000	0.150	0.050
18	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.050	0.010	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.050
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.030
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.020
26	0.000	0.000	0.000	0.000	0.010	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.020
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.000	0.010	0.010	0.000	0.010	0.000	0.020	0.000	0.020	0.030	0.050	0.120	0.060	0.030	0.030	0.070	0.010	0.030	0.010	0.010	0.010	0.050	0.020	0.000	0.600	0.000
Max	0.000	0.010	0.010	0.000	0.010	0.000	0.020	0.000	0.010	0.020	0.010	0.050	0.010	0.010	0.020	0.030	0.010	0.020	0.010	0.010	0.010	0.050	0.020	0.000	0.150	0.050

APPENDIX B: PERFORMANCE AUDIT REPORTS FIRST QUARTER 2015

BISON
ENGINEERING, INC.

Bison Engineering

Preliminary Meteorological Parameters Audit Form

Audit Dates: 03/11/2015 Audit Start Time : 10:10 MST Audit End Time : 14:45 MST
Client: Tintina Resources
Site: Black Butte
AUDITOR: Steve Heck STATION OPERATOR: Jeff Bell

Temperature

Audit Device: Control Company - digital thermometer Model 4000
Meter S/N: 91255639 Temperature Sensor: Climatronics 100093
Last certified: 3/24/2014 S/N 8253 (Upper), S/N 8255 (Lower)

Temperature bath results

Audit Value °C	9m DAS Value °C	9m DAS Diff. °C	2m DAS Value °C	2m DAS Diff. °C	9m - 2m DAS Diff. °C
0.00	0.15	0.15	0.18	0.18	-0.03
15.94	15.88	-0.06	15.92	-0.02	-0.04
35.28	35.47	0.19	35.55	0.27	-0.08

Wind Direction (Existing Sensor)

Sensor height: 9 Meter
Sensor (Make/model number): Climatronics/ WMIII
Serial Number : K2336C
Crossarm orientation (from Garmin GPS): 0.7 / 180.7
GPS location at sensor:
N 46 deg 46.3745 min, W 110 deg 52.8855 min
GPS location at sighting point:
N 46 deg 46.316 min, W 110 deg 52.8865 min
Sensor response aligned with crossarm (as found): 1.3

Linearity Audit Device: Climatronics 101966, SN 70

Threshold Torque: 0.06 oz.-in.
(Waters Model 366-1 torque watch)

	Linearity Check from DAS (as found)			
Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	0.1	0.2	0.1	0.2
30	29.5	29.3	-0.5	-0.7
60	59.0	58.7	-1.0	-1.3
90	88.3	88.0	-1.7	-2.0
120	118.3	117.9	-1.7	-2.1
150	148.1	147.7	-1.9	-2.3
180	178.2	178.0	-1.8	-2.0
210	208.5	208.3	-1.5	-1.7
240	238.6	238.3	-1.4	-1.7
270	268.8	268.7	-1.2	-1.3
300	299.5	299.1	-0.5	-0.9
330	329.7	329.4	-0.3	-0.6
		Max Diff	**-1.9**	**-2.3**

Wind Speed (Existing Sensor)

Sensor height:: 9 Meter
Sensor (Make/model number): Climatronics/ WMIII
Serial Number : K2336C
Calibration device: Weathertronics 300 rpm synchronous motor
Weathertronics 600 rpm synchronous motor

Synchronous motor checks

Known Value RPM	Known Value m/s	DAS Value m/s	DAS Diff. m/s
0	0.22	0.22	0.00
300	6.66	6.65	-0.01
600	13.09	13.08	-0.01

Threshold Torque: 0.006 oz.-in.
(Waters Model 366-3 torque watch)

Wind speed / wind direction sensor replaced after existing sensor was audited.

Wind Direction (New Sensor)

Sensor height: 9 Meter
Sensor (Make/model number): Climatronics/ WMIII
Serial Number : 1849
Crossarm orientation (from Garmin GPS): 0.7 / 180.7
GPS location at sensor:
N 46 deg 46.3745 min, W 110 deg 52.8855 min
GPS location at sighting point:
N 46 deg 46.316 min, W 110 deg 52.8865 min
Sensor response aligned with crossarm (as left): 0.1

Linearity Audit Device: Climatronics 101966, SN 70

Threshold Torque: 0.04 oz.-in.
(Waters Model 366-1 torque watch)

		Linearity Check from DAS (as found)		
Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	0.1	0.1	0.1	0.1
30	32.0	31.7	2.0	1.7
60	61.6	60.4	1.6	0.4
90	91.1	90.0	1.1	0.0
120	122.2	121.3	2.2	1.3
150	151.5	150.6	1.5	0.6
180	181.0	180.4	1.0	0.4
210	210.9	209.9	0.9	-0.1
240	240.8	239.9	0.8	-0.1
270	270.4	269.5	0.4	-0.5
300	300.7	299.9	0.7	-0.1
330	330.6	330.1	0.6	0.1
		Max Diff	**2.2**	**1.7**

Wind Speed (New Sensor)

Sensor height:: 9 Meter
Sensor (Make/model number): Climatronics/ WMIII
Serial Number : 1849
Calibration device: Weathertronics 300 rpm synchronous motor
Weathertronics 600 rpm synchronous motor

Synchronous motor checks

Known Value RPM	Known Value m/s	DAS Value m/s	DAS Diff. m/s
0	0.22	0.22	0.00
300	6.66	6.65	-0.01
600	13.09	13.08	-0.01

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

Relative Humidity

Audit Device: Assmann Psychrometer, thermometer calibrations checked November 2014

Audit Dry-Bulb:	10.3	BP = 24.33 in. Hg
Audit Wet-Bulb	3.5	
Audit RH:	33.6	%RH
Station RH:	30.3	%RH
Diff:	-3.3	%RH

Solar Radiation

Audit Device: Eppley Pyranometer, SN 16166F3 (certified by Eppley September 2015)

Audit Value:	252 watts/m^2	328 watts/m^2	360 watts/m^2
Station Value:	254 watts/m^2	328 watts/m^2	362 watts/m^2
Diff.:	0.8%	0.0%	0.6%

Barometric Pressure

Audit Device: Wallace & Tiernan Model FA185260, S/N LL03297.
Checked against Bison Mercury barometer (Butte) on 03/10/2015

Audit Value:	24.33	in Hg
Station Value:	24.38	in Hg
Diff:	0.05	in Hg

Precipitation

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

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

Unit registered 64 tips
% difference from expected = -4.5%

Signature Site Operator :_____

Signature Auditor : Steven B Hall