



BISON

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November 19, 2014

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

Dear Mr. Zehntner:

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

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

Sincerely,
BISON ENGINEERING, INC.

Chris Hiltunen, P.E.
Project Engineer

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

Enclosure

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

Prepared for:

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

Prepared by:

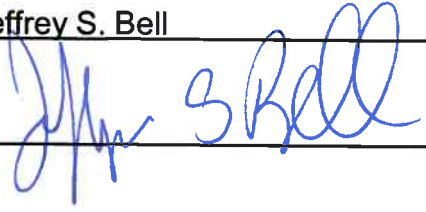
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November 15, 2014

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: 

Title: Senior Field Technician

Date: 10/23/14

Reviewer: Rebecca L. Picchioni, P.E.

Signature: 

Title: Project Engineer

Date: 10/30/14

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APPENDICES

- Appendix A: Meteorological Data
- Appendix B: Performance Audit Reports

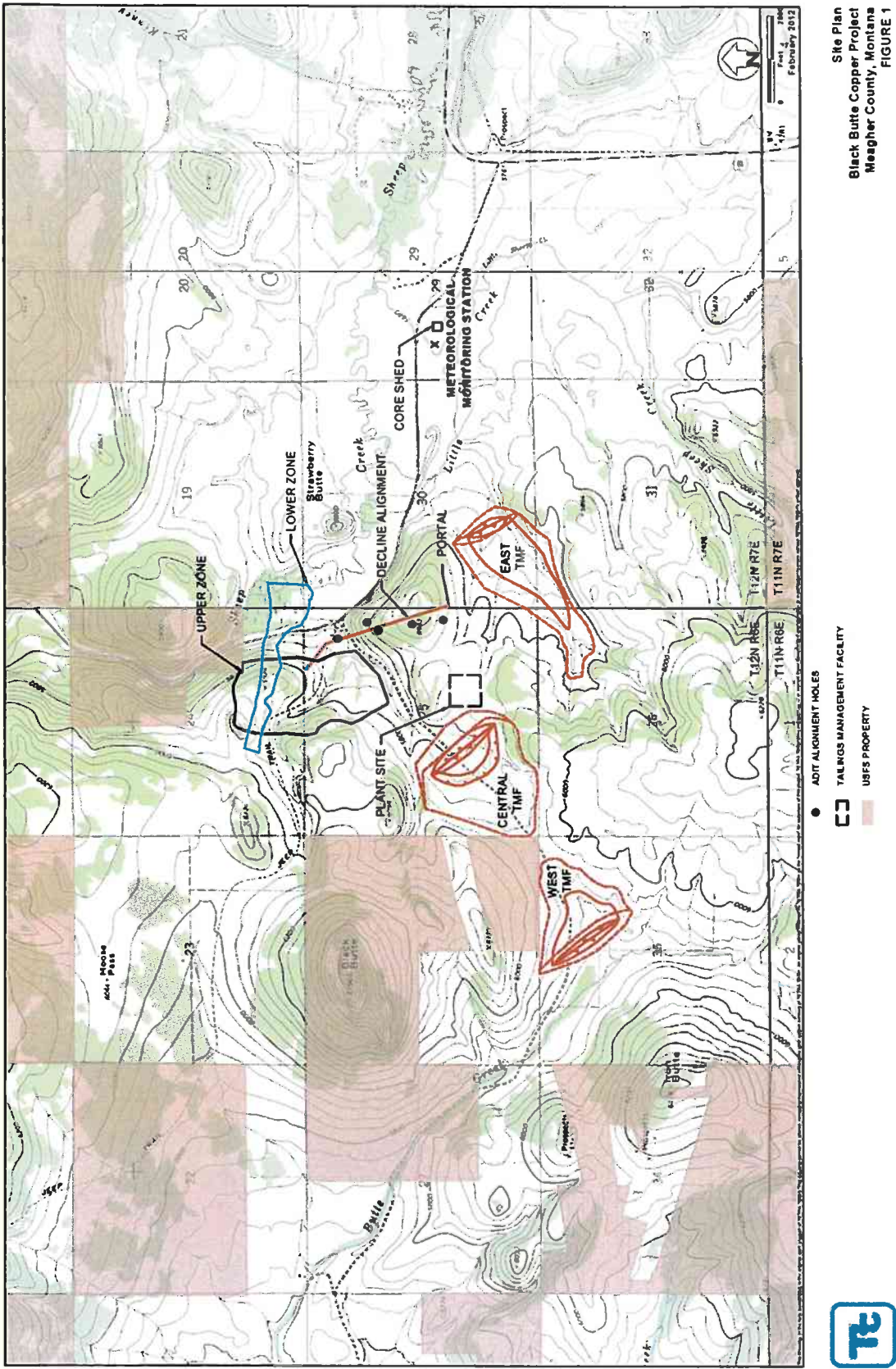
1.0 INTRODUCTION

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 third quarter (July through September) of 2014. 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 Engineering, Inc. (Bison) conducted performance audits of the meteorological system at the site. Due to scheduling conflicts, the third quarter audits were performed in early October. All of the system audits produced results within the recommended tolerance limits. The Bison report of the audits is presented in Appendix B.

3.0 CALIBRATION DATA

A performance audit was conducted on October 7, as discussed in Section 4.0. Because all results were within acceptance limits, no calibration adjustments were made.

4.0 PERFORMANCE AUDIT DATA

Steve Heck of Bison conducted performance audits of the meteorological system at the site. Due to scheduling conflicts, the third quarter audits were performed in early October. All of the system audits produced results within the recommended tolerance limits. The Bison report of the audits is presented in Appendix B.

Another performance audit will be conducted later in the fourth quarter of 2014.

5.0 DATA COMPLETENESS

The meteorological percentages of data recovery achieved during the third quarter of 2014 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 third quarter the net percentage data recovery was 97.4 for 2 meter temperature and delta t, and 100.0 percent for all other parameters at the site. The loss of data was due to the power cable to the fan motor coming loose.

Table 1. Monthly Data Completeness

July 2014					
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	687	92.3	0	92.3
Temperature Delta T	744	687	92.3	0	92.3
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	744	100.0	0	100.0
Total	7,440	7,326	98.5	0	98.5

Table 1. Monthly Data Completeness (Continued)

August 2014					
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	744	100.0	0	100.0
Total	7,440	7,440	100.0	0	100.0

Table 1. Monthly Data Completeness (Continued)

September 2014					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	720	720	100.0	0	100.0
Wind Direction	720	720	100.0	0	100.0
Standard Deviation	720	720	100.0	0	100.0
Temperature 9 Meters	720	720	100.0	0	100.0
Temperature 2 Meters	720	720	100.0	0	100.0
Temperature Delta T	720	720	100.0	0	100.0
Solar Radiation	720	720	100.0	0	100.0
Barometric Pressure	720	720	100.0	0	100.0
Relative Humidity	720	720	100.0	0	100.0
Precipitation	720	720	100.0	0	100.0
Total	7,200	7,200	100.0	0	100.0

Table 2. Quarterly Data Completeness

Third Quarter 2014					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	2,208	2,208	100.0	0	100.0
Wind Direction	2,208	2,208	100.0	0	100.0
Standard Deviation	2,208	2,208	100.0	0	100.0
Temperature 9 Meters	2,208	2,208	100.0	0	100.0
Temperature 2 Meters	2,208	2,151	97.4	0	97.4
Temperature Delta T	2,208	2,151	97.4	0	97.4
Solar Radiation	2,208	2,208	100.0	0	100.0
Barometric Pressure	2,208	2,208	100.0	0	100.0
Relative Humidity	2,208	2,208	100.0	0	100.0
Precipitation	2,208	2,208	100.0	0	100.0
Total	22,080	21,966	99.5	0	99.5

Table 3. Periods of Missing Data

Third Quarter 2014						
Starting Date/Hour	Ending Date/Hour	Site	Parameter	Total Hours	Percent of Quarter	Circumstance
July 1/1	July 3/9	Met Tower	2 meter temperature	57	2.58	Missing data: Fan motor power failure
July 1/1	July 3/9	Met Tower	delta temperature	57	2.58	Missing data: Fan motor power failure

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 one parameter 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

July 2014																	
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	0.4	0.4	0.9	0.7	0.7	0.8	0.5	0.8	0.3	0.4	0.0	0.0	0.7	1.6	1.6	10.3
	1.1 - 2.0	0.9	1.2	2.7	4.7	6.0	4.8	3.5	1.5	1.2	0.7	0.8	1.2	1.7	1.9	1.6	34.9
	2.1 - 3.0	0.1	0.0	0.5	2.3	4.0	2.8	1.2	1.1	0.4	0.4	0.8	1.2	2.2	1.6	0.8	19.9
	3.1 - 4.0	0.1	0.3	0.3	2.7	1.1	0.4	0.9	1.6	0.8	0.1	0.4	1.3	2.7	1.1	0.5	14.5
	4.1 - 5.0	0.1	0.3	0.0	0.9	0.7	0.1	1.3	1.1	0.3	0.0	0.1	1.2	2.0	0.7	0.3	9.3
	5.1 - 6.0	0.0	0.1	0.0	0.0	0.0	0.0	0.9	0.9	0.0	0.0	0.0	0.1	1.5	0.3	0.0	4.7
	6.1 - 7.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4	0.8	0.7	0.4	0.1	3.0
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.7	0.8	0.3	0.1	0.0	2.2
	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	0.4	0.3	0.0	0.0	0.7
	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	0.3	0.1	0.0	0.0	0.4
	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	0.1	0.0	0.0	0.1
	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
	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
	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
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	
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	
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	
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	
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	
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	
> 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	
Calm																	
Total	1.9	2.3	4.4	11.3	12.5	9.0	8.7	7.4	3.0	1.6	2.2	2.3	8.6	12.2	7.7	5.0	100.0
Average Speed	2.1	2.3	1.6	2.4	2.2	1.9	2.9	3.2	2.4	1.7	2.4	4.9	4.4	3.9	2.6	2.0	2.8

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

August 2014																		
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	1.1	1.7	1.6	0.9	1.5	1.9	0.5	1.3	0.8	0.4	0.1	0.4	0.7	0.4	0.9	0.7	15.1
	1.1 - 2.0	1.1	1.7	1.9	3.2	5.9	4.7	2.8	1.2	0.5	0.5	0.3	0.8	0.3	1.5	1.5	2.4	30.4
	2.1 - 3.0	0.8	0.3	0.8	2.7	4.3	2.8	0.7	1.2	0.5	0.4	0.3	0.5	0.7	1.6	2.8	2.4	22.8
	3.1 - 4.0	0.1	0.1	0.3	1.3	2.0	0.4	0.7	0.5	0.3	0.4	0.3	0.4	2.2	2.4	2.3	0.5	14.2
	4.1 - 5.0	0.0	0.5	0.3	0.5	0.8	0.3	0.4	0.4	0.0	0.0	0.3	0.4	0.9	2.8	1.5	0.0	9.1
	5.1 - 6.0	0.3	0.3	0.0	0.0	0.3	0.0	0.0	0.4	0.0	0.0	0.0	0.4	1.3	0.7	0.9	0.1	4.7
	6.1 - 7.0	0.1	0.0	0.0	0.0	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.4	0.7	0.3	0.1	2.2
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.8	0.0	0.1	0.0	1.1
	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	0.3	0.0	0.0	0.0	0.3
	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	0.0	0.0	0.0	0.1	0.0	0.1
	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	0.0	0.0	0.0	0.0	0.0
	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	3.5	4.7	4.8	8.7	15.1	10.1	5.1	5.2	2.2	1.7	1.3	3.1	7.5	10.1	10.5	6.3	100.0	
Average Speed	2.0	1.8	1.7	2.2	2.3	1.8	2.0	2.4	1.8	2.1	3.2	3.0	4.3	3.6	3.3	2.1	2.6	

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

September 2014																	
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	0.8	0.8	1.7	1.1	1.4	1.8	1.7	1.0	0.7	0.0	0.4	0.1	0.6	0.7	0.1	13.1
	1.1 - 2.0	0.8	0.7	1.7	2.4	6.0	3.9	5.4	1.9	0.7	0.1	0.1	1.3	1.0	1.1	1.1	29.2
	2.1 - 3.0	0.0	0.1	0.1	0.8	4.2	2.4	2.2	1.3	0.7	0.6	1.3	0.6	2.9	1.3	0.6	21.4
	3.1 - 4.0	0.0	0.0	0.0	0.7	1.7	0.6	1.4	1.3	1.0	0.4	0.7	0.8	2.4	1.3	0.6	12.6
	4.1 - 5.0	0.0	0.0	0.0	0.4	0.3	0.3	1.3	1.3	0.0	0.3	0.6	0.6	1.8	1.0	1.1	8.5
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.3	0.7	0.1	0.4	0.3	1.5	1.4	0.4	6.0
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	0.7	0.4	0.0	0.7	1.4	0.3	0.4	4.7
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.1	0.0	0.1	0.0	1.1	0.8	0.0	2.8
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.6	0.1	0.1	1.4
	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	0.0	0.0	0.4	0.0	0.4
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	0.0	0.0	0.0	0.0	0.0
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	1.7	1.7	3.5	5.4	13.5	8.9	12.9	8.5	4.6	1.7	3.3	4.6	13.2	8.9	5.7	2.1	100.0
Average Speed	1.1	1.3	1.2	2.0	2.1	1.9	2.4	3.5	3.5	3.9	3.1	3.8	4.3	4.3	3.3	2.0	2.9

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

Third Quarter 2014																	
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	0.8	1.0	1.4	0.9	1.2	1.5	0.9	1.0	0.6	0.3	0.2	0.6	0.4	1.1	0.8	12.8
	1.1 - 2.0	1.0	1.2	2.1	3.4	6.0	4.5	3.9	1.5	0.8	0.5	0.4	0.8	1.4	1.5	1.7	31.5
	2.1 - 3.0	0.3	0.1	0.5	1.9	4.2	2.7	1.4	1.2	0.5	0.5	0.8	1.6	2.1	1.9	1.3	21.4
	3.1 - 4.0	0.1	0.1	0.2	1.6	1.6	0.5	1.0	1.1	0.7	0.3	0.5	1.9	2.1	1.3	0.4	13.8
	4.1 - 5.0	0.0	0.3	0.1	0.6	0.6	0.2	1.0	0.9	0.1	0.0	0.2	1.3	1.9	1.1	0.2	9.0
	5.1 - 6.0	0.1	0.1	0.0	0.0	0.1	0.0	0.6	0.5	0.2	0.0	0.1	0.3	1.2	0.5	0.0	5.1
	6.1 - 7.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.4	0.2	0.1	0.0	0.4	0.9	0.4	0.1	3.3
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.1	0.2	0.9	0.4	0.1	2.0
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.4	0.1	0.0	0.8
	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	0.0	0.1	0.2	0.0	0.3
	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	0.0	0.0	0.0	0.0
	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
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	
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	
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	
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	
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	
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	
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	
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	
> 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	
Calm	0.0																
Total	2.4	2.9	4.3	8.5	13.7	9.3	8.9	7.0	3.2	1.7	2.3	3.3	9.7	10.4	8.0	4.5	100.0
Average Speed	1.8	1.8	1.5	2.2	2.2	1.9	2.5	3.1	2.8	2.5	2.9	3.8	4.3	3.9	3.1	2.1	2.8

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

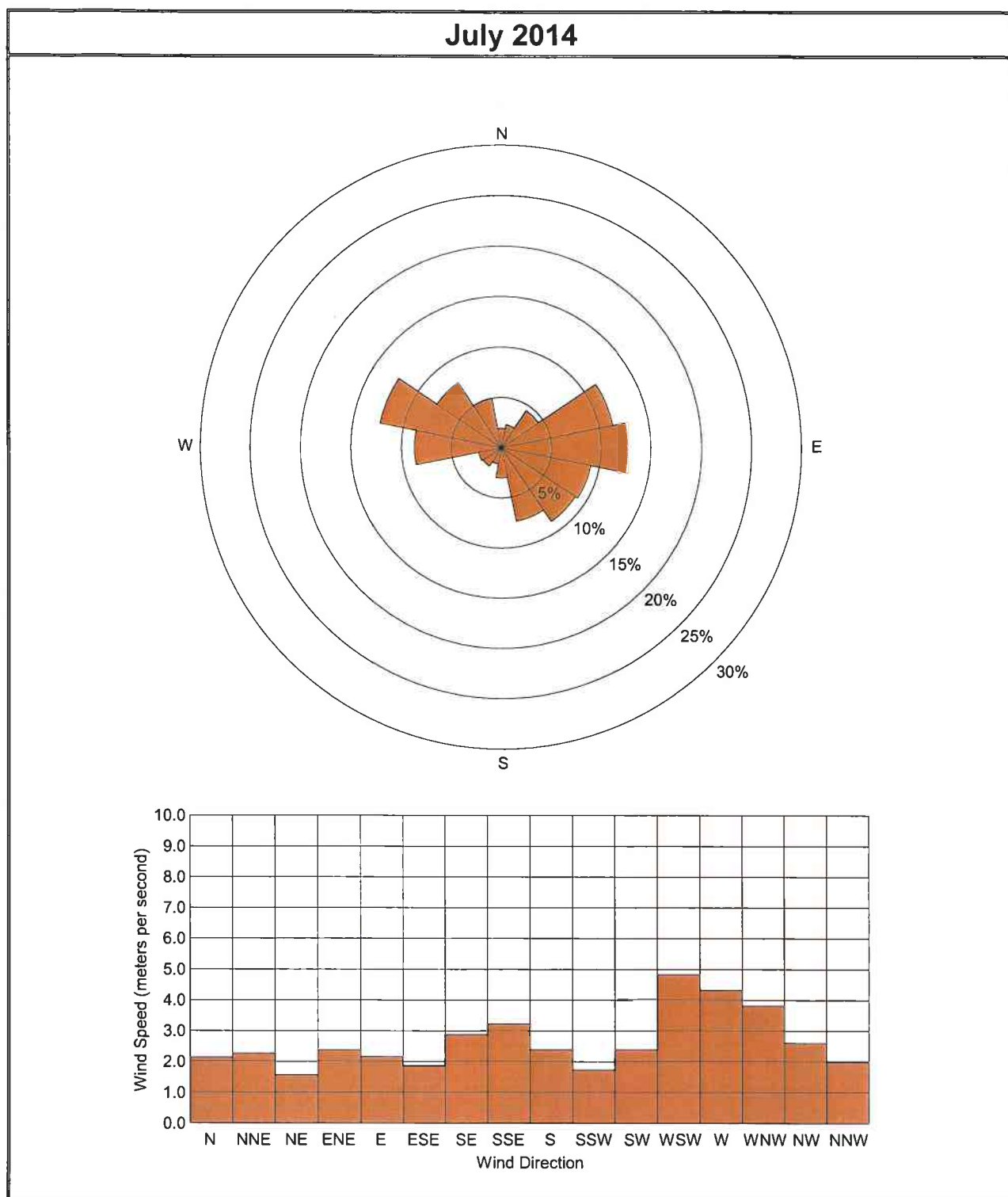


Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower

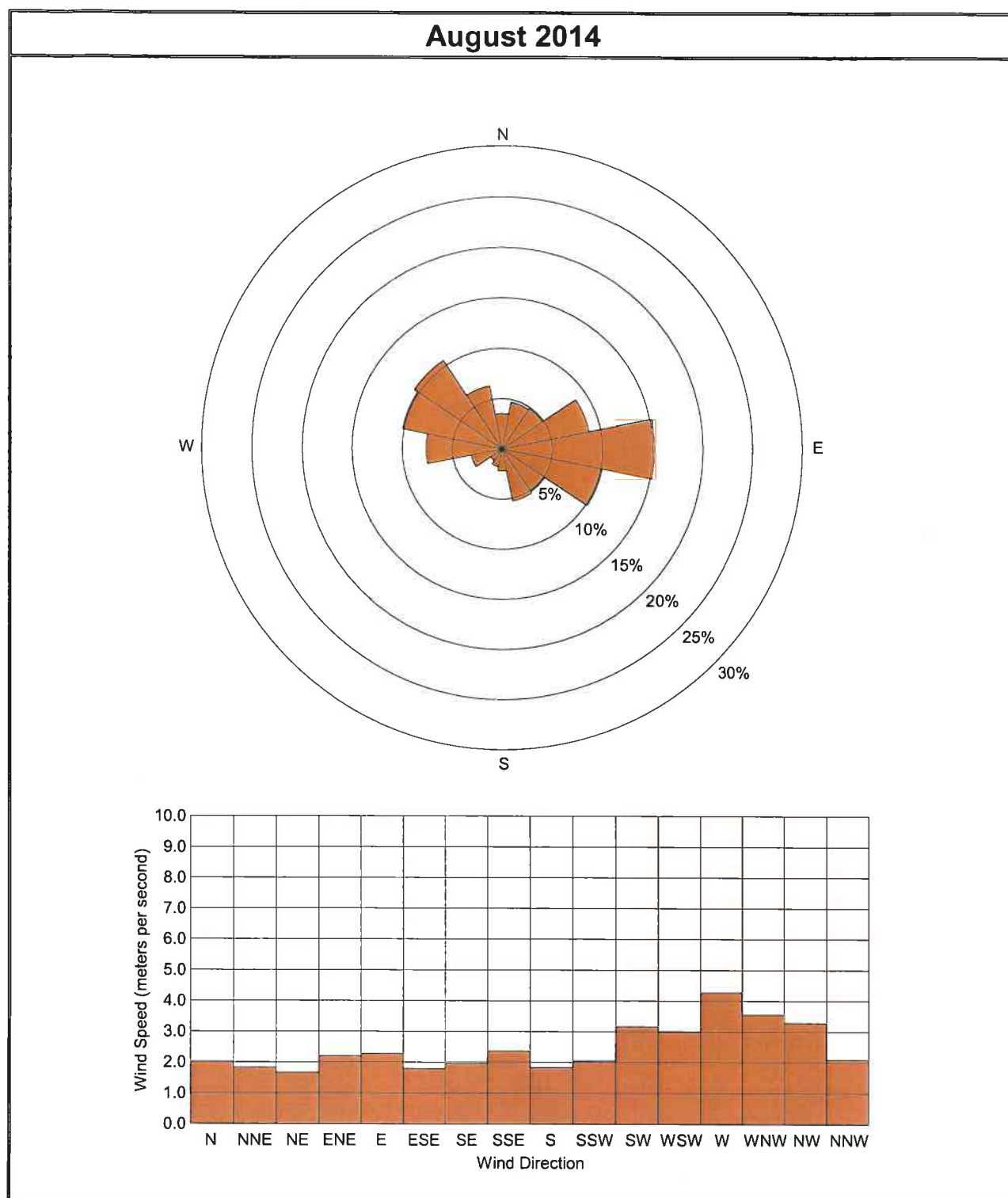


Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower

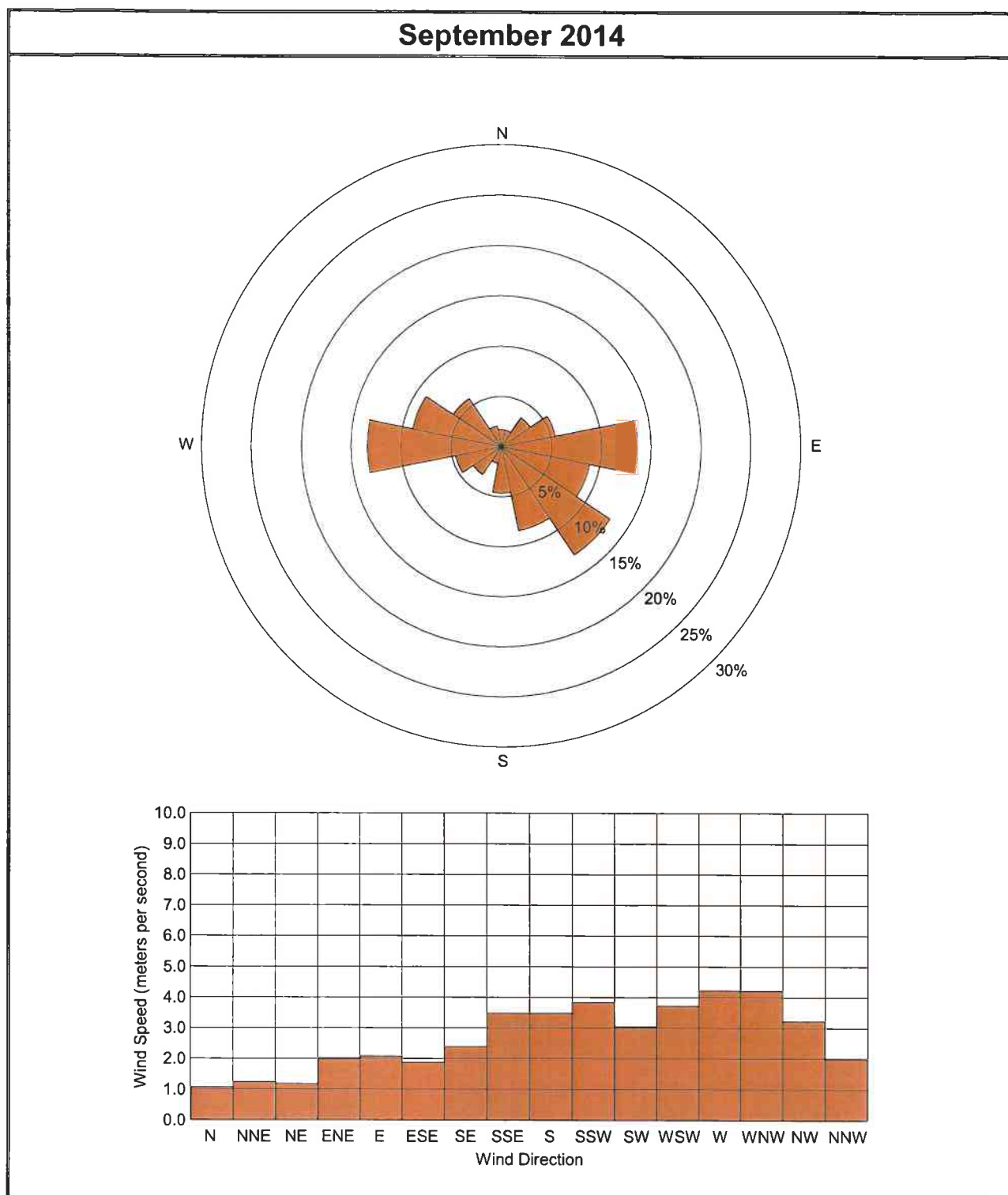
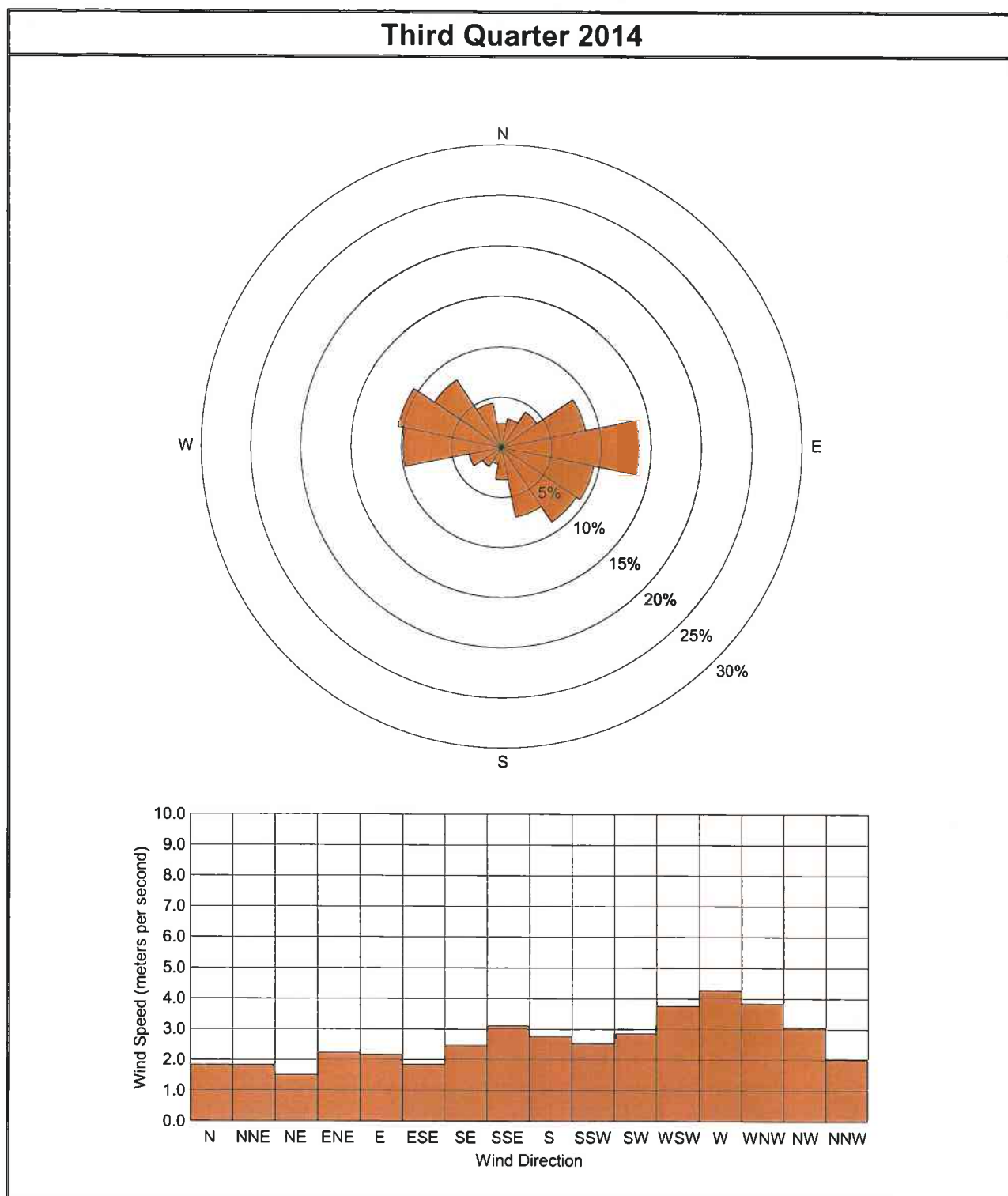


Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower



**APPENDIX A: HOURLY AIR QUALITY AND
METEOROLOGICAL DATA, THIRD QUARTER 2014**

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
July 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	1.1	0.6	1.1	0.6	0.5	1.0	0.9	0.7	1.4	2.0	2.4	2.3	2.8	2.7	0.9	1.5	1.6	3.1	4.0	4.1	2.7	3.5	4.1	3.9	2.1	4.1	0.5
2	3.6	4.0	1.6	1.6	1.1	1.7	1.0	2.2	5.3	4.9	5.1	4.5	4.1	3.5	3.5	3.5	3.8	5.8	6.4	4.7	1.7	1.3	1.9	2.1	3.3	6.4	1.0
3	1.4	1.3	3.9	3.5	1.5	1.2	1.2	0.6	1.7	2.0	1.3	4.4	3.5	2.2	2.6	4.2	3.3	1.7	1.7	2.4	1.7	1.8	4.4	2.8	2.3	4.4	0.6
4	4.5	3.0	2.8	3.2	2.2	1.5	1.3	1.0	0.7	0.7	1.1	2.4	2.5	3.4	3.7	4.6	3.1	2.7	2.9	2.3	2.1	2.5	1.6	0.8	2.4	4.6	0.7
5	1.4	2.4	2.0	2.3	1.9	1.1	0.9	0.4	0.7	1.0	2.1	3.7	2.9	5.3	6.6	5.7	7.0	7.0	6.0	3.2	1.6	1.7	1.8	3.2	3.0	7.0	0.4
6	2.7	1.8	1.3	1.6	1.1	0.9	0.6	0.4	2.3	3.7	3.3	4.8	5.1	7.0	7.0	6.5	6.4	7.2	4.6	3.3	2.2	4.8	2.1	1.7	3.4	7.2	0.4
7	1.4	1.0	1.5	1.5	1.6	2.2	3.7	5.0	4.7	4.4	3.9	4.6	6.0	5.6	5.1	4.6	3.6	3.3	3.2	2.0	1.6	1.6	1.7	1.2	3.1	6.0	1.0
8	1.3	0.9	1.2	1.6	2.0	1.4	0.6	2.9	4.9	4.1	3.6	2.8	2.3	1.8	2.0	1.6	1.8	1.7	0.5	2.5	3.0	2.4	2.8	2.9	2.2	4.9	0.5
9	1.1	1.5	1.5	1.8	1.9	1.6	0.9	0.6	0.8	1.8	2.2	2.6	3.4	2.0	2.3	2.8	3.8	1.5	1.3	2.3	2.0	2.5	4.4	3.2	2.1	4.4	0.6
10	2.0	1.5	1.7	1.6	1.3	1.2	0.7	0.7	1.1	2.8	2.9	3.3	4.4	4.1	5.1	5.3	5.2	4.4	3.2	1.7	2.3	3.1	2.9	2.1	2.7	5.3	0.7
11	1.5	1.4	1.4	1.3	2.0	3.8	3.5	1.9	3.6	4.7	2.6	3.2	4.2	4.2	3.6	2.9	2.3	3.0	3.8	3.5	3.7	3.5	2.5	2.4	2.9	4.7	1.3
12	1.4	1.2	1.3	1.7	2.6	1.8	0.8	0.7	1.0	1.7	2.6	3.0	2.4	2.7	2.6	3.2	2.8	3.7	3.8	3.8	3.0	2.3	2.6	2.0	2.3	3.8	0.7
13	2.0	1.5	1.7	1.6	1.3	1.6	1.1	0.7	0.9	1.1	2.2	2.8	3.4	4.3	4.0	4.1	4.1	5.0	5.3	4.0	2.2	2.4	3.4	2.9	2.6	5.3	0.7
14	1.5	0.6	1.0	1.0	1.8	1.9	1.3	1.7	5.3	5.4	4.7	5.8	5.0	4.7	5.1	5.7	5.4	8.0	7.1	4.9	2.5	3.2	3.2	3.8	3.8	8.0	0.6
15	2.1	4.0	3.1	3.2	2.1	3.1	1.9	1.9	1.4	1.4	1.9	1.8	4.7	2.6	3.2	1.5	1.2	0.8	0.8	0.8	1.6	1.9	1.1	0.8	2.0	4.7	0.8
16	1.6	2.0	1.9	1.8	2.0	2.0	0.8	0.9	0.7	1.4	2.7	3.8	4.0	3.0	4.0	4.7	4.6	3.5	2.9	0.9	2.7	3.7	4.4	2.6	2.6	4.7	0.7
17	2.1	1.8	1.9	1.7	1.4	0.9	1.2	0.8	0.7	1.5	2.9	3.0	2.8	2.9	4.2	5.4	5.1	4.1	2.3	1.6	1.6	2.7	2.4	1.7	2.4	5.4	0.7
18	1.9	1.8	1.0	1.4	1.2	1.6	0.9	0.7	0.8	1.1	1.2	1.5	2.3	2.9	1.6	2.2	1.9	1.6	3.1	1.4	1.8	1.8	2.7	1.9	1.7	3.1	0.7
19	2.1	1.4	1.3	1.1	1.3	1.6	1.4	1.0	1.1	5.5	7.7	9.4	7.7	7.4	8.0	8.0	7.4	6.9	4.4	2.5	1.8	1.7	1.6	2.4	3.9	9.4	1.0
20	1.5	1.2	1.7	1.5	0.8	1.3	1.0	1.0	6.7	7.0	6.8	7.7	6.6	7.6	6.1	4.1	5.0	4.7	3.7	1.7	1.6	1.7	1.6	1.9	3.5	7.7	0.8
21	1.2	1.1	1.0	1.1	2.4	1.8	1.3	2.6	2.1	3.8	3.7	3.7	3.1	1.5	3.8	4.6	3.6	3.1	2.0	2.1	1.3	1.6	1.3	3.2	2.4	4.6	1.0
22	2.7	2.7	1.9	1.6	2.2	1.0	1.0	0.9	3.0	3.6	1.9	1.9	1.8	2.2	1.6	1.7	3.0	3.9	4.1	1.8	2.4	1.2	1.4	2.3	2.2	4.1	0.9
23	1.8	2.3	2.2	2.2	4.5	3.0	3.6	1.7	1.7	1.4	3.8	2.9	4.2	3.1	2.9	2.8	3.6	2.2	1.9	4.9	6.5	3.1	1.9	1.0	2.9	6.5	1.0
24	1.5	1.0	1.1	1.5	1.3	1.8	1.5	1.1	3.3	3.4	4.8	5.7	7.4	10.7	7.6	8.2	6.2	8.8	6.6	2.7	2.3	2.8	2.2	1.8	4.0	10.7	1.0
25	1.6	1.9	1.6	1.1	1.1	1.2	1.7	3.8	5.0	7.6	7.8	7.2	6.7	7.0	8.7	8.4	9.3	9.5	8.9	4.4	2.4	1.1	1.5	2.1	4.7	9.5	1.1
26	2.6	2.5	2.0	2.1	1.3	1.2	0.7	1.0	3.6	4.9	4.7	5.2	5.2	4.8	5.3	3.6	3.9	3.8	3.7	2.2	3.1	2.0	1.7	1.9	3.0	5.3	0.7
27	1.5	1.5	0.9	1.1	1.3	1.3	0.8	0.7	0.9	1.9	1.7	2.0	1.9	1.5	2.1	1.8	2.4	2.3	0.8	2.7	3.3	2.2	2.3	3.1	1.8	3.3	0.7
28	3.1	2.6	1.6	1.0	1.1	1.0	1.2	1.1	1.1	1.4	5.7	6.1	6.1	6.0	6.0	5.2	4.3	4.3	3.7	1.1	1.4	1.3	1.5	1.4	2.9	6.1	1.0
29	1.7	3.2	1.8	4.1	2.8	1.8	1.8	1.2	3.7	2.5	4.1	3.7	4.0	5.4	4.5	2.8	5.0	4.4	2.1	3.5	3.2	3.1	2.8	0.7	3.1	5.4	0.7
30	1.3	2.6	1.2	0.9	1.3	1.1	1.1	0.7	1.1	2.5	2.6	2.1	2.0	2.9	3.3	2.3	3.3	3.2	1.2	1.3	1.7	2.6	2.8	2.5	2.0	3.3	0.7
31	1.1	1.6	1.2	1.1	1.3	1.2	0.7	0.7	0.7	2.4	3.6	4.4	5.1	5.1	4.4	4.3	5.2	6.7	4.3	4.4	3.7	2.1	3.0	2.0	2.9	6.7	0.7
Avg	1.9	1.9	1.7	1.7	1.7	1.6	1.3	1.3	2.3	3.0	3.5	3.9	4.1	4.2	4.2	4.1	4.2	4.3	3.6	2.7	2.4	2.4	2.4	2.2	2.8	5.7	0.8
Max	4.5	4.0	3.9	4.1	4.5	3.8	3.7	5.0	6.7	7.6	7.8	9.4	7.7	10.7	8.7	8.4	9.3	9.5	8.9	4.9	6.5	4.8	4.4	3.9	4.7	10.7	1.3
Min	1.1	0.6	0.9	0.6	0.5	0.9	0.6	0.4	0.7	0.7	1.1	1.5	1.8	1.5	0.9	1.5	1.2	0.8	0.5	0.8	1.3	1.1	1.1	0.7	1.7	3.1	0.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
August 2014

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

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
September 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	1.4	1.8	1.5	1.0	1.0	1.1	0.8	0.8	1.9	5.1	5.1	5.3	5.6	6.2	6.2	6.2	7.6	6.5	4.7	2.9	2.7	2.4	1.6	1.8	3.4	7.6	0.8
2	1.7	0.8	1.2	0.9	1.2	0.8	1.0	0.6	0.8	5.5	5.7	6.1	4.7	5.1	5.3	5.3	4.4	2.6	2.0	3.5	3.8	2.8	2.4	2.2	2.9	6.1	0.6
3	2.0	1.8	1.4	1.1	1.4	1.0	1.7	1.4	2.3	6.2	7.2	7.8	8.0	9.8	9.4	7.8	8.0	8.3	8.6	9.4	6.4	6.5	5.4	4.9	5.3	9.8	1.0
4	3.9	3.9	3.3	3.2	2.9	2.5	1.6	1.3	1.1	2.1	2.5	2.6	2.2	1.2	1.8	1.6	1.2	1.5	1.0	2.4	3.3	2.0	2.0	2.2	2.2	3.9	1.0
5	2.0	2.0	1.4	1.5	0.8	1.3	0.8	0.5	0.9	1.3	2.5	2.7	2.9	2.2	3.1	2.3	2.2	2.5	1.7	3.1	3.6	3.2	2.9	1.9	2.1	3.6	0.5
6	1.6	1.5	0.9	1.1	0.8	1.0	1.1	0.6	0.6	1.2	2.6	2.9	2.5	2.7	2.8	2.7	2.9	2.1	1.3	3.2	3.3	2.3	2.2	1.9	1.9	3.3	0.6
7	1.5	1.5	1.1	1.4	1.2	1.5	0.7	1.0	0.8	0.8	4.3	6.4	7.3	8.7	8.4	7.2	6.7	5.7	3.8	2.9	3.9	2.6	1.6	1.4	3.4	8.7	0.7
8	1.5	1.3	0.9	1.2	0.8	0.8	1.4	0.6	0.6	1.1	5.5	6.3	6.5	6.5	7.7	8.3	8.4	5.7	2.7	1.5	1.6	4.0	2.8	3.1	3.4	8.4	0.6
9	3.3	3.1	3.7	2.9	2.6	2.2	2.3	2.0	1.3	2.1	3.2	3.3	3.6	3.6	3.4	4.9	4.8	4.1	4.2	1.9	1.8	3.2	2.5	2.3	3.0	4.9	1.3
10	1.8	0.8	1.1	1.4	1.0	1.1	1.0	2.3	1.4	2.3	0.9	1.0	1.6	2.5	2.4	2.9	5.3	4.2	3.5	2.5	2.9	2.3	1.1	0.5	2.0	5.3	0.5
11	0.8	1.0	0.9	1.2	1.0	0.8	1.0	0.9	1.9	2.7	4.5	4.8	4.3	1.7	2.2	2.7	2.2	3.3	2.8	1.9	1.4	1.9	1.9	2.3	2.1	4.8	0.8
12	2.0	2.0	1.7	1.4	1.5	1.6	1.8	2.1	1.8	1.3	2.5	2.6	2.6	3.2	3.2	3.1	2.6	3.0	1.7	4.2	1.4	1.2	1.0	1.5	2.1	4.2	1.0
13	1.1	0.9	0.9	2.0	1.9	0.8	1.1	1.8	3.7	2.3	2.2	1.9	1.6	2.3	1.5	1.5	1.5	3.7	3.1	1.3	1.6	2.0	1.7	2.0	1.9	3.7	0.8
14	1.6	0.7	1.3	1.3	0.7	1.0	0.5	0.4	0.6	2.1	4.3	5.4	5.5	5.4	5.2	5.7	4.1	2.9	1.6	1.5	1.6	1.3	1.7	1.1	2.4	5.7	0.4
15	2.2	2.4	2.8	2.0	1.2	1.5	0.8	0.5	0.7	1.6	2.1	2.8	4.0	5.0	5.0	4.7	4.4	3.7	1.9	4.5	3.6	3.1	2.0	1.9	2.7	5.0	0.5
16	1.6	1.0	1.7	0.9	1.4	0.8	0.5	0.4	0.6	0.7	0.9	2.4	3.6	2.9	2.6	2.9	2.1	0.9	1.9	2.6	2.4	3.9	1.8	2.1	1.8	3.9	0.4
17	3.0	4.4	2.5	2.1	2.6	2.5	1.4	1.2	1.0	1.8	2.9	3.2	2.8	4.2	3.3	2.7	3.3	3.1	2.3	3.6	3.0	2.5	2.3	2.2	2.7	4.4	1.0
18	2.2	2.5	2.4	2.3	1.9	1.9	1.7	2.3	5.5	3.3	2.8	3.8	4.6	5.2	3.6	3.1	2.1	4.0	1.2	2.0	2.0	1.8	1.8	1.4	2.7	5.5	1.2
19	1.4	2.4	1.3	1.6	2.7	2.1	1.2	4.1	5.1	5.6	5.9	7.9	8.6	8.6	7.3	7.1	6.2	6.6	5.0	6.1	4.4	4.8	1.2	2.2	4.6	8.6	1.2
20	2.2	1.7	1.6	1.5	0.9	0.9	0.9	1.0	1.2	1.0	1.6	2.4	2.7	2.3	2.0	2.0	2.4	2.3	2.4	2.5	3.0	3.4	1.5	1.2	1.9	3.4	0.9
21	1.3	1.4	1.9	1.0	1.4	1.4	0.9	0.8	1.3	7.2	8.1	8.3	7.7	7.9	6.2	6.7	7.6	3.7	2.9	3.6	3.3	2.1	1.6	1.1	3.7	8.3	0.8
22	1.5	2.4	1.6	1.9	1.3	1.4	1.9	0.8	1.0	1.9	3.2	3.7	3.8	2.8	3.2	2.7	3.1	3.2	1.9	1.8	1.9	2.4	2.6	2.0	2.3	3.8	0.8
23	0.9	1.2	0.5	1.3	0.7	0.8	0.9	0.8	0.9	1.0	3.4	3.4	3.9	5.1	3.8	4.0	6.3	3.7	4.1	2.5	3.0	1.4	1.1	1.2	2.3	6.3	0.5
24	2.1	2.1	1.9	2.4	1.6	1.3	1.3	0.7	0.7	2.0	5.5	5.6	6.8	7.1	6.6	6.2	5.9	5.6	4.2	4.4	3.5	2.4	2.1	1.1	3.5	7.1	0.7
25	1.5	2.0	2.5	2.4	1.5	1.2	1.1	0.9	1.0	2.2	4.8	6.1	6.5	7.4	6.5	6.7	6.2	5.1	3.0	2.2	1.2	3.5	2.9	1.2	3.3	7.4	0.9
26	1.0	1.3	1.1	1.2	1.9	1.7	0.9	1.8	2.1	4.2	5.0	4.0	4.7	5.7	3.9	5.1	4.7	3.2	1.5	1.5	1.8	1.4	2.1	2.2	2.7	5.7	0.9
27	1.8	1.1	2.0	1.6	0.8	2.8	0.9	1.4	3.3	1.4	2.9	5.6	4.6	4.0	4.9	4.0	2.5	1.8	2.8	2.9	1.6	2.5	3.0	3.8	2.7	5.6	0.8
28	3.5	4.1	4.1	3.9	3.6	4.6	4.3	4.0	4.2	3.6	4.0	4.4	4.0	6.9	6.5	6.5	5.5	4.3	6.7	6.0	5.9	3.3	5.3	3.6	4.7	6.9	3.3
29	4.8	5.6	4.6	5.6	3.8	4.6	2.2	2.3	3.4	4.7	3.8	4.2	3.5	2.4	3.0	3.3	2.9	3.4	1.6	0.9	1.3	0.9	2.5	4.1	3.3	5.6	0.9
30	6.5	4.8	3.5	4.9	4.8	2.0	1.2	2.3	4.9	5.0	5.1	6.2	5.3	4.3	7.5	7.4	6.3	6.0	4.9	4.6	4.9	5.6	5.0	2.4	4.8	7.5	1.2
Avg	2.1	2.1	1.9	1.9	1.7	1.6	1.3	1.4	1.9	2.8	3.8	4.4	4.5	4.8	4.6	4.6	4.4	3.9	3.0	3.1	2.9	2.8	2.3	2.1	2.9	5.8	0.9
Max	6.5	5.6	4.6	5.6	4.8	4.6	4.3	4.1	5.5	7.2	8.1	8.3	8.6	9.8	9.4	8.3	8.4	8.3	8.6	9.4	6.4	6.5	5.4	4.9	5.3	9.8	3.3
Min	0.8	0.7	0.5	0.9	0.7	0.8	0.5	0.4	0.6	0.7	0.9	1.0	1.6	1.2	1.5	1.5	1.2	0.9	1.0	0.9	1.2	0.9	1.0	0.5	1.8	3.3	0.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
July 2014

Day	<< Hour >>																								Prev
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	68	40	155	344	35	30	160	83	306	292	312	328	219	141	90	8	9	122	154	145	106	87	73	74	69
2	70	82	133	96	104	115	178	158	144	146	153	154	141	145	147	145	145	152	147	139	45	286	83	109	130
3	132	150	98	88	130	58	54	45	93	180	278	287	295	313	285	219	165	61	125	127	114	111	93	104	110
4	72	86	101	69	53	139	140	349	14	345	51	220	259	259	292	312	54	123	142	108	114	120	98	62	81
5	81	105	56	108	85	107	144	181	27	339	315	296	290	276	280	300	307	304	301	281	187	125	104	72	3
6	64	95	65	124	66	74	194	333	321	264	273	266	270	285	283	294	314	313	320	292	120	70	63	93	339
7	28	51	131	151	180	306	327	328	336	306	274	263	263	304	316	318	320	329	30	25	353	69	90	141	337
8	105	88	77	54	63	65	331	114	161	170	163	150	173	121	113	328	319	338	337	67	90	83	78	82	87
9	117	115	85	75	43	73	330	322	318	309	297	287	234	285	328	300	303	305	258	274	199	113	144	128	312
10	102	131	94	76	98	88	200	339	323	289	301	247	265	273	290	290	297	293	298	310	94	72	54	102	332
11	75	86	69	65	335	343	320	297	277	249	275	217	156	154	153	166	189	151	123	64	77	76	80	113	111
12	87	117	120	67	66	39	11	306	323	274	316	305	307	266	295	299	315	308	356	24	80	63	81	58	3
13	89	49	42	54	53	54	143	73	261	303	287	299	270	290	346	3	31	25	25	57	84	117	76	103	36
14	86	37	83	104	101	112	142	168	158	160	172	153	142	143	145	144	134	144	136	132	92	83	131	144	129
15	128	119	180	154	127	150	200	322	125	135	260	118	158	95	303	48	289	161	336	294	309	335	104	320	147
16	28	31	72	76	78	82	159	193	273	292	273	283	288	287	294	287	302	291	292	106	99	75	76	97	353
17	93	92	93	105	123	107	150	259	335	342	295	276	265	270	275	257	267	267	249	232	104	75	91	109	217
18	16	245	271	235	109	80	159	293	309	326	328	337	316	266	276	303	274	226	260	137	110	89	77	84	295
19	96	106	118	92	82	86	33	326	72	265	253	262	254	256	252	277	289	288	303	307	167	126	59	140	272
20	124	97	88	119	132	96	114	341	261	274	269	261	265	260	254	266	275	290	314	335	148	339	102	263	265
21	170	228	111	107	258	99	154	109	151	148	184	225	266	262	168	158	283	313	260	195	323	92	57	65	175
22	65	68	71	74	124	149	97	110	95	92	82	174	162	169	252	151	68	177	110	117	92	88	120	97	111
23	332	49	90	115	265	96	67	353	317	179	171	166	158	173	220	223	204	241	94	95	357	37	314	307	138
24	89	1	110	55	114	22	125	301	296	278	292	291	273	292	286	278	299	284	279	300	305	204	225	16	300
25	66	230	98	149	194	202	206	302	288	267	260	249	248	246	271	272	280	285	287	304	339	222	285	87	258
26	98	103	55	74	62	79	317	34	294	288	286	286	282	294	290	312	303	316	321	327	74	77	130	133	351
27	37	68	65	83	71	52	138	317	337	179	146	347	41	8	359	350	331	339	293	93	78	58	94	80	43
28	75	73	127	133	43	39	130	345	19	320	163	163	153	154	143	142	136	138	131	356	293	292	302	272	111
29	62	80	99	79	97	128	109	187	150	125	159	168	168	126	89	108	79	74	75	65	62	72	79	315	102
30	136	114	68	59	80	70	115	296	322	162	168	216	173	142	180	206	295	285	295	99	74	88	65	88	117
31	40	79	57	94	83	109	158	285	323	299	284	282	299	292	296	298	267	327	69	75	73	35	71	110	13
Prev	81	87	93	91	89	84	137	327	321	265	260	251	241	248	271	280	298	292	313	57	83	80	85	92	79

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
August 2014

Day	<< Hour >>																								Prev
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	80	338	56	96	26	52	120	164	131	280	299	128	29	74	355	66	55	67	81	73	78	123	156	86	75
2	104	112	84	76	108	128	346	20	67	152	145	137	170	193	274	266	306	330	87	59	100	27	75	85	91
3	92	100	38	36	358	56	100	302	21	348	357	286	266	313	327	332	254	311	8	95	58	75	328	350	5
4	89	82	20	66	145	151	321	357	319	186	187	162	152	152	85	18	48	79	87	84	91	110	54	61	88
5	6	57	137	321	342	307	29	119	195	194	166	194	283	276	46	133	153	156	145	129	109	88	100	91	120
6	105	79	71	70	129	80	147	277	327	310	289	277	288	317	294	275	237	259	209	153	103	106	96	97	128
7	91	113	61	86	104	60	106	191	274	306	294	266	279	309	342	307	245	237	164	97	117	93	45	81	75
8	113	93	84	64	85	76	156	7	332	288	294	309	280	137	97	63	81	80	167	157	103	225	92	79	89
9	111	90	64	93	80	100	26	48	320	317	304	284	284	282	339	331	16	95	63	70	72	77	88	88	44
10	115	107	100	119	105	110	113	133	150	158	77	301	281	313	327	316	344	352	49	98	80	26	126	44	78
11	25	353	17	88	8	87	124	148	171	346	242	218	352	340	322	327	355	145	117	79	78	62	84	69	50
12	66	89	51	56	59	23	93	257	30	133	148	143	143	165	202	233	55	76	59	95	106	110	57	79	93
13	286	25	103	107	125	147	138	91	108	71	282	342	280	327	329	351	152	303	358	81	110	157	121	341	65
14	78	8	69	110	113	113	42	76	171	126	277	356	22	312	347	14	297	343	148	83	82	90	78	81	61
15	82	92	77	124	112	75	51	127	323	276	330	304	187	222	305	304	291	339	342	105	77	325	36	136	33
16	140	144	119	100	143	133	118	150	169	270	250	259	261	264	270	273	258	263	269	286	295	107	81	113	203
17	93	79	97	33	80	57	75	324	2	282	282	282	279	287	301	321	314	322	320	1	8	106	170	135	356
18	54	56	104	16	32	104	119	153	166	254	261	279	283	256	271	256	279	307	295	50	84	59	74	86	22
19	139	73	79	101	103	79	80	180	314	302	292	283	254	271	275	295	224	28	120	74	66	89	16	58	56
20	40	54	72	62	84	117	33	105	246	301	287	317	298	282	246	282	309	307	317	334	70	84	13	324	350
21	299	49	298	40	340	305	327	303	326	215	304	286	286	277	304	355	33	37	112	331	85	49	72	83	343
22	83	94	62	14	44	59	44	359	181	167	170	329	329	300	327	32	26	33	38	313	322	344	337	327	13
23	317	313	309	310	306	302	313	312	308	313	313	315	345	351	354	342	323	335	316	319	329	329	331	327	322
24	298	297	299	302	305	300	308	309	306	302	312	312	315	313	303	304	305	315	310	321	339	350	312	31	313
25	343	303	260	200	110	155	196	142	159	153	150	185	181	193	213	226	223	228	274	159	148	112	105	103	179
26	85	106	90	79	90	91	94	149	26	290	261	278	279	273	265	260	272	246	242	127	104	83	76	69	104
27	74	123	126	94	122	121	108	237	64	277	257	261	293	290	292	302	296	304	243	110	85	81	89	90	105
28	91	87	98	88	101	123	133	338	357	304	265	283	278	273	279	286	271	278	290	304	307	314	296	22	310
29	312	290	162	103	98	113	153	174	105	146	301	296	237	247	260	249	210	194	300	93	103	116	120	163	176
30	118	102	35	71	21	94	111	92	78	37	285	270	278	290	248	74	183	144	138	113	99	102	50	80	89
31	68	116	55	221	52	14	84	112	202	285	288	277	265	267	301	287	298	288	287	312	85	99	87	80	333
Prev	74	73	72	75	77	88	88	119	360	273	275	278	279	280	302	311	296	323	3	75	79	79	70	71	42

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
September 2014

Day	<< Hour >>																								Prev
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	4	89	37	48	21	52	51	152	258	253	276	269	247	244	243	248	268	270	269	287	97	89	79	37	312
2	119	102	72	106	90	107	152	222	39	264	262	259	245	234	225	232	220	269	301	67	67	94	91	62	149
3	87	118	95	91	92	66	61	9	334	315	298	301	300	284	291	286	299	313	303	294	304	312	310	305	327
4	302	272	272	283	291	289	251	273	304	288	304	281	231	82	166	329	235	157	307	113	83	105	101	66	278
5	58	92	77	110	67	127	125	62	20	293	327	281	280	303	280	262	243	226	251	106	96	73	90	100	68
6	89	86	49	81	67	105	130	83	13	16	284	289	280	303	312	271	186	225	279	103	84	98	93	71	62
7	63	86	89	79	108	126	94	172	304	139	269	271	266	256	255	263	272	282	284	132	88	74	38	52	108
8	48	58	141	122	90	56	134	90	126	358	289	263	273	257	270	278	280	292	291	341	313	256	267	277	297
9	261	277	260	285	269	268	277	258	261	282	308	308	296	303	289	294	261	266	256	306	309	270	256	278	279
10	258	276	239	286	150	79	101	165	300	308	271	132	294	340	305	296	284	324	320	316	307	223	201	186	276
11	76	136	302	255	259	218	248	271	128	106	157	153	141	166	160	151	152	147	151	151	126	101	110	112	154
12	126	135	135	151	154	151	142	122	122	132	156	224	201	245	252	282	276	274	173	68	336	348	358	131	164
13	100	145	114	22	353	31	342	169	276	286	282	280	250	272	303	91	311	215	150	129	141	136	139	135	178
14	138	86	72	54	4	106	43	53	357	288	285	284	291	291	297	314	322	298	266	103	57	77	102	136	12
15	126	101	95	90	101	129	53	182	325	88	124	285	271	275	276	298	290	280	164	93	89	68	63	99	96
16	101	108	149	47	149	109	132	100	311	352	148	260	267	270	267	267	233	122	107	89	99	71	86	103	118
17	84	73	105	73	74	89	127	146	144	138	150	159	208	233	230	218	205	194	115	97	79	101	115	112	131
18	112	93	86	90	118	136	142	127	139	128	139	153	167	178	180	234	212	175	130	107	111	86	85	100	132
19	82	94	96	77	103	125	261	284	274	274	276	274	271	279	279	303	300	297	277	274	301	286	146	89	283
20	97	26	64	115	33	73	50	98	322	227	332	304	258	214	299	254	280	287	168	97	83	81	93	70	50
21	68	95	93	78	72	49	10	134	24	153	159	159	155	154	139	150	150	126	101	83	90	109	123	121	111
22	88	50	36	110	83	143	145	117	86	139	256	225	224	244	270	234	192	157	130	120	117	98	82	95	132
23	53	136	50	117	143	131	161	95	151	33	272	272	246	266	281	276	280	86	77	118	122	154	173	148	141
24	134	134	135	114	127	161	120	105	5	100	182	184	208	215	204	201	193	170	128	92	95	91	129	347	142
25	137	122	126	90	104	110	103	185	325	132	168	170	172	169	176	171	176	187	170	177	143	89	66	359	142
26	347	350	124	337	68	85	57	120	20	327	276	293	304	288	299	289	310	312	31	55	97	169	338	138	355
27	316	155	36	53	119	85	179	101	126	182	164	153	147	158	166	166	186	85	91	129	122	109	120	147	131
28	145	144	111	125	123	120	132	126	132	137	113	128	130	155	168	166	135	153	151	145	133	170	150	128	138
29	159	145	144	139	142	145	135	139	157	145	178	160	169	146	197	172	177	179	125	123	125	149	259	244	158
30	246	242	256	275	262	304	269	313	277	261	270	269	279	273	273	278	280	279	304	304	305	318	327	316	282
Prev	93	106	96	86	96	107	117	132	347	228	243	244	241	245	251	252	244	231	190	101	90	100	100	99	146

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

July 2014

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

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
August 2014

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

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
September 2014

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

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
July 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	4.2	3.5	2.8	2.6	1.7	1.8	4.3	8.8	13.0	14.7	15.9	16.4	16.5	16.0	16.5	17.5	18.6	18.5	17.8	16.5	14.7	13.0	11.4	12.4	11.6	18.6	1.7
2	12.6	12.1	9.4	7.4	6.2	5.7	9.0	14.9	17.0	18.4	19.3	20.3	21.3	22.2	23.0	23.6	24.0	23.6	22.4	20.6	19.7	18.7	18.1	17.2	16.9	24.0	5.7
3	16.8	15.2	12.7	12.3	11.6	11.0	11.6	15.7	20.0	22.3	23.4	24.2	24.5	25.3	25.8	24.2	23.1	21.8	20.0	19.8	18.4	15.6	16.8	17.6	18.7	25.8	11.0
4	15.6	12.7	10.8	10.1	9.1	8.0	10.6	13.0	15.7	18.3	20.8	22.9	24.3	25.5	26.0	24.1	20.2	19.9	21.3	20.4	17.2	14.3	14.1	13.1	17.0	26.0	8.0
5	12.4	11.2	9.8	9.2	8.9	8.2	9.7	13.0	15.5	18.0	19.5	20.3	20.7	23.2	24.5	24.6	23.8	23.8	22.8	21.5	19.4	16.0	13.5	11.1	16.7	24.6	8.2
6	9.9	8.1	7.0	5.9	5.5	6.1	8.8	14.1	19.0	20.6	21.7	22.8	24.2	24.9	25.2	25.1	24.9	25.1	23.6	22.5	19.8	15.1	12.6	10.7	16.8	25.2	5.5
7	9.3	8.4	7.0	6.3	5.7	10.9	13.3	13.6	14.2	15.1	16.4	17.1	17.6	18.5	19.0	19.2	19.6	19.6	19.1	17.7	15.0	12.2	10.0	8.4	13.9	19.6	5.7
8	7.0	6.2	6.0	7.0	6.8	6.7	8.9	14.3	16.9	18.2	19.6	20.7	21.6	22.4	23.3	23.8	24.2	24.3	24.3	22.2	19.3	17.7	17.9	17.8	16.5	24.3	6.0
9	16.1	13.7	11.3	9.7	9.2	8.8	10.6	14.9	19.1	21.4	22.7	23.4	23.0	23.2	24.0	24.5	23.9	23.6	22.9	21.9	19.6	17.1	17.2	16.4	18.3	24.5	8.8
10	15.5	12.7	10.0	8.8	7.2	7.0	9.2	14.0	18.4	20.1	21.2	22.5	23.5	24.3	25.0	25.5	25.7	25.9	25.5	23.4	19.6	15.3	12.8	11.2	17.7	25.9	7.0
11	9.3	8.1	7.2	6.8	8.5	12.7	14.1	15.3	15.6	14.8	16.2	17.6	19.3	20.0	21.3	21.9	22.6	22.6	21.2	19.8	17.7	16.5	16.3	14.9	15.8	22.6	6.8
12	13.3	12.3	11.0	11.5	11.1	10.2	11.8	14.7	18.0	20.4	21.9	22.7	23.1	24.1	24.6	25.0	25.1	24.9	23.9	22.4	19.5	16.4	13.8	11.7	18.1	25.1	10.2
13	10.5	8.8	8.6	7.8	7.1	6.8	9.1	13.8	18.8	21.9	23.5	24.2	25.0	25.7	25.8	25.9	26.1	25.5	24.7	23.0	20.6	16.6	14.6	13.7	17.8	26.1	6.8
14	12.9	11.7	10.8	10.6	10.2	11.1	13.2	16.2	18.0	19.1	20.8	21.6	22.4	22.9	23.0	22.2	22.0	21.9	21.1	19.5	18.4	17.7	17.2	16.5	17.5	23.0	10.2
15	15.9	13.4	10.4	10.0	10.0	9.6	10.3	11.4	12.6	15.0	15.1	14.7	13.5	15.0	13.4	12.3	12.3	12.7	13.1	13.3	12.8	12.1	11.1	11.1	12.5	15.9	9.6
16	10.5	9.5	9.4	8.7	7.8	7.1	8.0	8.7	10.7	14.4	16.2	18.0	19.3	20.7	21.7	22.5	22.5	22.1	21.2	19.0	14.3	12.6	11.6	9.8	14.4	22.5	7.1
17	9.2	8.3	8.2	7.3	7.3	6.6	8.3	11.7	16.2	20.0	21.5	22.4	23.3	24.1	24.8	25.3	25.4	25.3	24.7	21.9	17.6	14.5	12.6	11.1	16.6	25.4	6.6
18	11.1	13.4	10.8	9.4	7.5	6.3	6.9	9.3	11.3	13.3	16.0	17.3	19.0	18.7	18.8	19.5	19.8	20.0	19.2	16.5	13.0	11.2	10.7	8.8	13.7	20.0	6.3
19	7.6	6.1	5.2	4.5	3.9	4.2	6.1	8.6	13.2	17.6	19.1	20.4	21.7	22.8	23.2	23.3	23.5	23.1	22.1	20.8	17.3	13.8	11.4	10.4	14.6	23.5	3.9
20	10.4	8.5	7.1	6.6	6.2	6.2	8.5	14.1	19.0	19.7	20.5	21.5	22.8	23.9	24.4	24.5	25.3	25.1	23.9	21.9	18.9	16.7	14.2	12.6	16.8	25.3	6.2
21	11.4	9.9	8.4	8.0	11.4	12.8	12.4	11.9	13.4	16.0	17.4	18.6	17.9	17.0	17.1	19.1	20.7	20.9	20.2	18.6	15.6	13.8	12.9	12.5	14.9	20.9	8.0
22	12.1	12.0	11.6	11.6	11.4	11.4	11.7	12.0	12.5	14.0	16.4	18.5	19.9	21.3	22.3	22.1	21.0	20.2	18.6	16.9	15.7	15.2	15.4	16.7	15.9	22.3	11.4
23	16.5	16.6	16.7	17.6	17.2	15.1	15.0	16.4	18.3	20.4	22.1	22.7	23.4	24.0	24.7	25.4	25.8	26.2	24.7	20.5	16.0	15.4	12.7	11.5	19.4	26.2	11.5
24	10.8	9.8	10.3	9.2	9.0	8.5	11.4	14.5	17.2	18.3	19.0	19.2	19.8	17.3	16.8	18.1	17.8	17.1	16.4	15.1	13.1	9.5	9.7	9.0	14.0	19.8	8.5
25	8.2	8.8	6.1	4.7	3.4	4.3	8.3	10.2	11.6	12.6	13.6	15.2	16.6	17.7	18.7	19.5	19.7	19.4	18.8	17.2	15.6	12.7	9.5	9.2	12.6	19.7	3.4
26	6.7	4.9	3.4	3.0	1.8	1.1	3.2	8.6	13.6	15.0	16.2	17.4	18.3	19.2	20.1	20.7	21.2	21.1	20.4	18.2	13.8	11.1	8.8	6.2	12.3	21.2	1.1
27	5.4	5.0	4.2	3.3	3.2	3.5	5.3	10.8	15.6	18.4	19.7	20.7	22.1	22.9	23.9	24.6	24.9	24.9	24.7	19.4	15.5	13.3	15.6	18.9	15.2	24.9	3.2
28	18.6	17.2	15.4	12.8	9.3	8.1	9.4	13.8	17.3	21.3	23.2	24.2	25.5	26.0	25.7	25.2	24.9	24.7	23.7	21.4	19.8	17.2	16.2	17.3	19.1	26.0	8.1
29	19.1	19.1	16.7	15.8	15.4	13.2	15.0	18.3	18.3	19.6	21.3	22.7	23.9	23.4	17.2	16.8	16.6	18.3	19.2	16.2	13.8	12.2	10.9	9.3	17.2	23.9	9.3
30	8.8	9.1	8.3	7.9	7.5	7.2	9.4	13.4	18.5	22.0	22.9	23.5	24.3	25.2	25.8	25.2	23.9	24.1	24.6	20.3	16.6	15.6	13.5	11.9	17.1	25.8	7.2
31	10.3	8.6	7.5	7.0	5.8	5.3	7.4	12.4	17.5	21.4	23.0	24.2	25.3	26.0	26.4	26.0	25.2	24.3	20.8	16.7	14.2	12.9	12.1	9.4	16.2	26.4	5.3
Avg	11.5	10.5	9.2	8.5	8.0	7.9	9.7	13.0	16.0	18.1	19.6	20.6	21.4	22.0	22.3	22.5	22.4	22.3	21.5	19.5	16.9	14.6	13.4	12.5	16.0	23.4	7.0
Max	19.1	19.1	16.7	17.6	17.2	15.1	15.0	18.3	20.0	22.3	23.5	24.2	25.5	26.0	26.4	26.0	26.1	26.2	25.5	23.4	20.6	18.7	18.1	18.9	19.4	26.4	11.5
Min	4.2	3.5	2.8	2.6	1.7	1.1	3.2	8.6	10.7	12.6	13.6	14.7	13.5	15.0	13.4	12.3	12.3	12.7	13.1	13.3	12.8	9.5	8.8	6.2	11.6	15.9	1.1

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
August 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	8.0	7.7	6.8	6.4	6.0	6.3	8.0	13.0	16.5	20.8	23.7	24.7	23.4	22.2	22.7	24.1	25.1	24.2	23.2	21.0	17.7	17.7	18.9	16.2	16.8	25.1	6.0
2	14.9	12.8	11.8	9.7	8.6	7.3	8.6	12.2	18.6	21.6	23.0	23.8	24.0	24.2	24.5	23.5	21.9	20.8	20.6	18.8	15.1	14.2	12.9	9.8	16.8	24.5	7.3
3	9.4	9.3	7.9	7.4	7.6	7.5	9.7	11.2	14.9	18.7	20.6	22.3	23.1	23.8	24.1	24.5	25.0	24.2	23.2	20.8	17.8	15.5	13.9	14.2	16.5	25.0	7.4
4	12.5	10.3	9.6	8.1	7.6	6.9	7.3	10.2	14.8	19.1	21.5	22.5	22.6	22.6	19.6	13.8	12.7	12.1	12.3	12.9	12.5	11.9	11.7	11.7	13.6	22.6	6.9
5	12.0	12.1	11.6	11.5	10.8	10.6	11.0	12.5	14.6	16.3	17.7	18.7	19.2	20.3	20.7	19.7	20.8	21.2	20.3	18.6	16.5	13.9	12.5	11.6	15.6	21.2	10.6
6	10.1	10.0	9.4	8.9	8.2	7.6	8.2	11.3	15.2	19.0	21.0	22.2	22.9	23.6	24.2	24.4	25.2	25.2	24.1	20.6	16.9	13.7	12.4	11.5	16.5	25.2	7.6
7	10.6	9.0	9.3	8.2	7.6	7.1	7.5	10.2	14.8	19.0	20.9	22.6	23.6	24.3	24.8	25.0	24.8	24.8	23.6	20.1	17.5	14.7	12.9	12.0	16.5	25.0	7.1
8	10.5	9.7	8.7	8.9	7.7	7.5	8.6	12.2	16.4	20.2	21.2	22.3	21.9	20.8	18.4	18.1	17.7	18.3	19.5	17.9	17.1	15.3	13.5	12.7	15.2	22.3	7.5
9	12.5	11.8	10.8	8.9	7.4	6.4	7.0	10.2	13.6	16.4	18.1	19.0	20.1	20.6	20.8	21.3	21.6	21.8	21.3	17.3	15.5	15.3	16.0	16.5	15.4	21.8	6.4
10	16.2	15.2	14.1	13.2	11.6	9.8	10.2	14.5	17.2	19.0	20.5	21.8	22.8	23.6	24.2	24.8	24.9	24.6	22.5	20.3	17.1	15.3	14.6	11.5	17.9	24.9	9.8
11	11.0	9.5	9.1	8.6	6.7	7.3	7.6	11.5	16.2	20.6	23.5	24.5	25.4	26.0	26.6	26.9	27.2	27.2	26.1	21.6	19.1	16.8	16.5	15.9	18.0	27.2	6.7
12	15.4	13.8	11.6	10.5	9.7	9.3	10.4	13.8	20.0	24.5	26.0	27.3	28.3	28.7	28.8	27.0	21.8	21.7	21.0	19.7	18.4	18.4	16.3	15.8	19.1	28.8	9.3
13	17.3	15.6	13.9	13.1	13.6	12.8	11.8	13.4	18.0	19.8	20.9	22.1	23.3	24.1	25.3	25.4	25.9	25.5	23.5	20.6	19.9	20.5	20.1	18.6	19.4	25.9	11.8
14	16.5	14.6	14.4	13.0	12.5	11.8	11.9	13.6	15.3	17.1	18.0	18.6	19.3	19.5	20.6	22.2	23.2	23.4	21.2	19.7	18.7	15.9	13.9	12.5	17.0	23.4	11.8
15	11.9	10.5	10.8	10.3	10.0	8.8	8.8	11.7	15.9	18.9	21.0	22.2	23.8	22.6	16.1	17.6	19.0	19.5	19.2	16.7	14.4	13.6	12.5	11.8	15.3	23.8	8.8
16	11.1	9.8	8.7	7.8	7.4	7.3	7.3	9.0	12.4	14.4	15.6	17.2	17.8	19.0	19.3	19.7	19.8	19.4	18.5	17.1	15.3	11.7	9.7	8.4	13.5	19.8	7.3
17	7.5	6.8	5.5	4.7	4.9	4.5	4.4	6.7	12.3	15.8	17.6	18.4	19.3	19.7	20.1	19.9	20.2	20.2	19.3	17.5	15.5	13.9	12.2	10.0	13.2	20.2	4.4
18	8.9	7.7	6.8	6.1	5.8	4.6	5.1	9.3	14.5	18.0	19.7	20.6	21.7	22.8	23.6	24.1	24.0	23.1	22.5	18.3	13.7	12.3	10.4	7.8	14.6	24.1	4.6
19	6.4	5.5	5.2	4.9	4.0	4.1	4.8	9.1	15.0	19.5	20.7	21.8	23.4	23.8	24.1	23.4	22.9	19.3	17.0	16.3	13.4	13.6	12.9	11.5	14.3	24.1	4.0
20	11.0	10.3	8.9	7.8	8.2	7.8	8.2	9.9	13.4	15.0	16.7	18.4	19.4	20.0	20.4	16.9	12.9	13.1	12.9	11.8	10.0	9.8	9.9	9.6	12.6	20.4	7.8
21	10.3	10.4	10.0	9.6	9.0	8.8	8.9	9.9	10.6	12.1	13.2	13.4	13.1	13.3	14.4	14.3	13.9	13.6	13.0	11.7	11.0	9.4	9.6	9.4	11.4	14.4	8.8
22	9.0	9.1	8.8	8.8	8.8	8.8	8.8	9.2	10.0	10.6	11.2	11.0	11.7	12.0	13.1	12.9	12.5	11.6	10.8	10.0	9.6	9.9	9.5	9.6	10.3	13.1	8.8
23	9.2	8.2	7.6	7.0	6.7	6.3	6.2	6.3	6.4	6.6	7.0	8.1	8.6	8.3	7.9	7.4	7.2	6.9	6.2	5.6	5.3	4.8	4.3	4.0	6.8	9.2	4.0
24	3.9	3.7	3.5	3.6	3.8	3.8	3.9	4.3	4.6	5.0	5.4	5.8	6.4	6.3	6.5	6.2	6.0	6.2	5.8	5.5	5.2	5.1	5.0	4.9	5.0	6.5	3.5
25	4.5	3.8	3.5	3.8	3.8	3.9	4.3	5.3	6.9	8.4	9.9	10.8	11.9	12.9	13.5	14.3	14.4	14.6	14.1	10.9	9.6	7.8	6.5	5.3	8.5	14.6	3.5
26	4.5	3.4	3.2	2.8	1.9	1.1	1.7	4.8	9.8	13.8	15.0	15.9	16.9	17.9	18.6	19.0	18.8	19.0	18.2	13.5	10.6	9.0	8.3	6.9	10.6	19.0	1.1
27	6.0	4.6	3.9	3.4	2.9	2.5	2.5	6.3	11.8	16.5	17.5	18.3	19.4	20.3	21.1	21.7	21.7	21.4	19.7	15.1	12.6	10.9	9.4	8.2	12.4	21.7	2.5
28	7.0	6.3	5.2	4.8	4.5	3.8	4.3	7.7	13.4	18.3	19.7	20.5	21.5	22.6	22.9	23.0	23.4	22.8	21.5	19.4	19.1	19.3	16.2	12.2	15.0	23.4	3.8
29	10.3	9.3	7.0	6.0	4.6	3.2	2.7	6.4	11.3	14.8	16.4	17.6	18.9	19.9	20.7	20.9	21.3	21.5	19.8	14.2	11.8	10.3	9.5	12.8	13.0	21.5	2.7
30	13.4	12.2	10.7	9.6	9.0	9.5	9.5	9.9	10.8	12.2	13.7	14.5	15.0	15.1	14.8	13.3	11.3	11.6	11.1	8.9	8.0	7.3	6.4	5.7	11.0	15.1	5.7
31	4.3	3.7	3.0	2.9	3.2	3.2	2.6	3.9	8.6	11.0	11.7	12.2	12.2	13.4	13.4	13.1	12.7	12.6	11.5	9.7	7.5	4.4	3.1	1.4	7.7	13.4	1.4
Avg	10.2	9.2	8.4	7.8	7.2	6.8	7.2	9.7	13.3	16.2	17.7	18.7	19.4	19.8	19.9	19.6	19.3	19.1	18.2	15.9	13.9	12.7	11.7	10.6	13.9	20.9	6.4
Max	17.3	15.6	14.4	13.2	13.6	12.8	11.9	14.5	20.0	24.5	26.0	27.3	28.3	28.7	28.8	27.0	27.2	27.2	26.1	21.6	19.9	20.5	20.1	18.6	19.4	28.8	11.8
Min	3.9	3.4	3.0	2.8	1.9	1.1	1.7	3.9	4.6	5.0	5.4	5.8	6.4	6.3	6.5	6.2	6.0	6.2	5.8	5.5	5.2	4.4	3.1	1.4	5.0	6.5	1.1

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
September 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	1.2	0.5	0.1	0.0	-0.1	0.2	0.0	3.0	7.5	9.9	11.1	11.9	12.4	13.0	13.7	14.5	14.7	14.6	13.7	11.2	7.2	4.7	2.8	2.0	7.1	14.7	-0.1
2	1.4	0.5	0.0	0.1	0.2	0.6	0.5	3.1	8.3	13.3	14.3	15.3	16.6	17.5	18.3	19.1	19.4	19.6	17.4	12.3	10.1	8.2	6.6	6.2	9.5	19.6	0.0
3	4.6	3.9	2.9	2.9	2.9	3.1	4.2	7.1	12.0	13.7	12.9	11.3	12.0	13.0	12.8	12.7	12.5	11.8	10.4	8.8	7.9	6.4	5.2	4.7	8.3	13.7	2.9
4	4.6	4.1	4.1	4.2	4.3	4.3	4.4	5.0	5.8	7.2	7.9	9.1	9.7	10.2	11.0	11.8	11.9	12.3	10.9	6.0	4.1	1.4	0.8	1.0	6.5	12.3	0.8
5	0.3	-0.6	-1.8	-2.3	-2.3	-2.6	-2.5	0.4	6.1	10.7	12.5	13.2	14.0	14.8	15.4	15.9	16.2	16.0	13.8	8.0	6.0	4.4	2.6	0.8	6.6	16.2	-2.6
6	0.2	-0.5	-1.0	-1.9	-2.2	-2.5	-2.7	0.8	7.2	13.2	15.7	16.5	17.4	18.4	19.3	20.1	20.0	19.7	16.1	9.7	7.4	4.3	3.5	2.9	8.4	20.1	-2.7
7	1.8	1.5	0.5	0.3	-0.4	-0.5	-0.6	2.9	9.4	15.6	18.4	19.3	20.1	20.7	21.2	21.3	21.6	21.2	19.3	13.1	9.0	6.7	5.1	4.1	10.5	21.6	-0.6
8	3.0	1.9	1.2	0.9	0.3	0.1	-0.1	3.2	9.6	15.9	18.6	19.6	20.5	21.3	21.8	22.1	22.0	20.8	17.2	14.0	10.8	7.9	5.3	4.1	10.9	22.1	-0.1
9	3.1	2.8	1.8	1.4	0.6	0.0	-0.3	0.1	2.1	3.5	4.8	6.2	7.0	6.9	7.0	7.0	4.9	3.9	2.8	3.5	3.3	2.7	2.0	1.8	3.3	7.0	-0.3
10	1.0	0.6	0.4	0.2	0.1	0.3	0.7	1.0	1.2	1.0	1.6	3.1	4.0	3.3	3.7	4.4	3.2	2.5	1.7	0.6	0.2	0.0	-0.2	-0.2	1.4	4.4	-0.2
11	-0.4	-0.8	-1.2	-1.3	-1.7	-1.8	-1.8	-1.4	-0.3	0.2	-0.1	0.4	0.7	1.1	1.5	2.0	2.4	2.2	1.3	-0.1	-0.9	-2.0	-2.9	-4.0	-0.4	2.4	-4.0
12	-4.6	-5.9	-6.4	-6.9	-7.1	-7.8	-7.5	-4.2	0.8	3.6	6.0	8.0	9.9	11.6	12.3	12.4	12.9	12.8	9.6	6.1	5.2	4.8	3.8	2.9	3.0	12.9	-7.8
13	1.9	0.9	-0.1	0.1	-0.8	-1.9	-1.2	0.0	2.5	3.5	4.5	6.2	8.1	9.0	9.8	10.8	11.6	10.8	7.6	6.3	5.6	4.7	4.1	3.7	4.5	11.6	-1.9
14	3.2	2.7	1.1	-0.4	-1.9	-2.7	-3.8	-1.6	3.4	8.3	11.0	12.4	13.4	14.1	14.5	14.7	14.8	14.5	11.4	7.8	5.4	3.7	5.2	5.5	6.5	14.8	-3.8
15	5.6	4.7	3.8	2.3	0.6	-0.1	-1.1	0.6	5.9	11.4	14.5	16.3	17.4	18.8	19.8	20.4	20.7	20.2	15.9	9.7	7.2	6.2	4.8	2.9	9.5	20.7	-1.1
16	2.3	1.8	1.4	1.0	1.0	1.5	2.4	4.2	9.1	15.6	19.2	21.0	21.1	21.3	21.3	21.5	20.9	19.7	15.9	14.3	12.1	11.3	11.0	8.6	11.6	21.5	1.0
17	8.5	9.9	9.9	9.3	8.9	8.1	6.1	7.6	11.9	17.1	20.3	21.8	22.6	23.3	23.3	23.2	22.7	21.0	19.0	16.5	14.7	13.2	11.8	9.8	15.0	23.3	6.1
18	8.6	8.0	8.4	8.3	6.9	6.9	7.1	10.5	12.9	14.2	16.7	17.2	17.4	17.9	18.3	18.6	18.6	17.9	15.5	12.7	11.8	11.8	11.3	9.0	12.8	18.6	6.9
19	8.3	6.8	5.7	5.3	5.3	7.7	9.3	11.7	12.7	13.1	14.3	15.7	16.4	16.9	16.8	16.5	16.4	16.1	15.0	14.0	12.9	12.5	9.9	6.8	11.9	16.9	5.3
20	4.5	2.8	2.9	1.5	0.0	0.2	-0.1	1.3	6.9	12.5	14.7	16.2	17.4	18.2	19.1	19.8	20.1	19.2	15.7	12.9	10.0	8.7	7.0	6.1	9.9	20.1	-0.1
21	4.8	4.4	4.0	3.6	3.1	2.8	1.5	4.0	10.0	15.2	16.3	17.8	18.8	19.7	20.7	20.4	18.8	17.4	16.1	15.2	14.7	12.9	13.3	10.9	11.9	20.7	1.5
22	8.1	7.3	6.1	5.7	4.4	4.6	5.3	7.8	13.2	17.0	18.7	19.3	19.2	19.4	19.4	19.3	18.5	16.9	15.5	13.4	11.8	10.6	9.3	7.4	12.4	19.4	4.4
23	6.3	5.6	4.5	3.6	2.9	2.8	2.2	3.8	9.3	15.2	17.8	19.1	20.2	20.9	21.1	21.3	18.2	13.7	12.2	10.3	9.0	9.0	8.7	7.5	11.0	21.3	2.2
24	7.2	6.5	6.6	6.7	6.4	5.9	5.8	6.4	10.1	18.2	21.8	22.5	24.3	25.2	25.7	26.0	26.0	25.1	22.5	18.5	16.3	15.3	13.8	11.5	15.6	26.0	5.8
25	11.1	10.3	9.9	9.0	7.2	5.9	4.9	7.1	13.8	21.4	24.6	25.7	26.1	26.4	26.7	27.1	27.0	25.9	21.0	17.8	16.8	16.5	14.6	12.9	17.1	27.1	4.9
26	11.6	12.5	13.8	12.9	11.9	9.3	7.7	10.0	14.7	17.1	17.8	16.5	16.4	16.7	17.5	17.9	17.4	15.8	12.4	10.6	10.8	11.1	11.8	11.2	13.6	17.9	7.7
27	9.1	8.5	8.9	8.6	8.6	8.6	8.8	9.1	9.5	9.6	9.5	8.7	7.8	7.6	7.4	7.2	7.3	7.7	7.4	7.3	7.2	7.1	6.8	6.2	8.1	9.6	6.2
28	6.2	6.2	6.7	6.2	6.2	6.3	6.2	6.5	6.7	6.3	7.2	8.0	8.4	7.3	6.5	7.0	7.9	7.5	6.8	7.0	6.9	6.8	6.6	6.7	6.8	8.4	6.2
29	6.3	6.2	6.2	6.0	5.9	5.7	5.3	5.8	6.7	7.5	8.7	9.4	9.6	11.0	12.4	11.9	11.7	10.9	9.3	8.4	6.2	6.5	8.3	8.7	8.1	12.4	5.3
30	8.4	7.8	7.4	7.7	7.5	7.3	6.9	7.4	7.9	8.1	8.2	8.3	8.2	8.7	9.8	9.7	9.4	8.4	6.5	5.6	4.5	3.9	2.7	2.6	7.2	9.8	2.6
Avg	4.6	4.0	3.6	3.2	2.6	2.4	2.3	4.1	7.9	11.3	13.0	13.9	14.6	15.1	15.6	15.9	15.7	14.9	12.7	10.1	8.5	7.4	6.5	5.5	9.0	16.2	1.5
Max	11.6	12.5	13.8	12.9	11.9	9.3	9.3	11.7	14.7	21.4	24.6	25.7	26.1	26.4	26.7	27.1	27.0	25.9	22.5	18.5	16.8	16.5	14.6	12.9	17.1	27.1	7.7
Min	-4.6	-5.9	-6.4	-6.9	-7.1	-7.8	-7.5	-4.2	-0.3	0.2	-0.1	0.4	0.7	1.1	1.5	2.0	2.4	2.2	1.3	-0.1	-0.9	-2.0	-2.9	-4.0	-0.4	2.4	-7.8

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
July 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.4	26.0	15.1
4	15.1	12.3	10.5	9.8	8.6	7.4	10.8	13.3	16.0	18.6	21.3	23.6	24.9	26.2	26.6	23.7	19.8	19.7	20.9	20.0	16.5	13.8	13.6	12.1	16.9	26.6	7.4
5	11.2	10.4	8.7	8.0	8.2	7.6	9.9	13.2	15.8	18.2	20.0	20.7	21.2	23.7	24.9	24.9	23.7	23.8	22.2	20.3	18.4	14.8	12.1	10.9	16.4	24.9	7.6
6	9.2	6.6	6.1	4.6	4.9	5.6	9.1	14.3	19.5	21.3	22.4	23.6	25.0	25.6	25.7	25.3	25.0	25.3	23.1	21.4	18.1	14.7	11.5	10.0	16.6	25.7	4.6
7	8.0	6.8	5.5	4.7	4.0	9.7	13.4	13.9	14.7	15.5	17.3	17.9	18.4	19.2	19.7	20.0	20.3	20.2	19.4	17.5	14.2	11.4	9.5	7.3	13.7	20.3	4.0
8	5.7	5.1	5.0	6.4	6.3	6.1	9.2	14.7	17.7	19.2	20.6	21.6	22.5	23.1	24.0	24.5	24.8	24.8	24.4	22.0	18.8	17.3	17.4	17.0	16.6	24.8	5.0
9	14.7	11.7	9.9	8.9	8.5	8.2	10.8	15.3	19.5	22.0	23.4	24.1	23.3	23.7	24.6	24.8	23.6	23.3	22.4	20.7	18.7	16.7	16.9	16.1	18.0	24.8	8.2
10	14.8	11.2	8.8	7.6	6.1	6.6	9.5	14.4	18.8	20.8	21.9	23.4	24.4	25.1	25.8	26.2	26.1	25.8	25.0	22.5	18.2	14.8	11.9	10.5	17.5	26.2	6.1
11	7.8	6.5	5.8	5.4	7.3	12.1	14.3	15.8	16.1	15.5	17.0	18.4	20.5	21.0	22.3	22.7	23.4	22.9	21.3	19.6	17.4	16.3	15.8	14.0	15.8	23.4	5.4
12	12.0	10.6	9.8	11.0	10.6	9.9	12.1	15.1	18.5	21.0	22.5	23.5	23.8	25.0	25.5	25.7	25.7	25.1	23.7	21.7	18.9	15.7	13.3	10.7	18.0	25.7	9.8
13	9.3	7.5	7.5	6.6	5.6	5.5	9.1	14.1	19.3	22.4	24.2	25.0	25.9	26.7	26.5	26.5	26.8	25.8	24.4	22.6	20.0	14.9	13.5	13.0	17.6	26.8	5.5
14	11.9	10.4	9.2	9.2	9.2	10.3	13.2	16.7	18.8	20.2	22.0	22.8	23.7	23.9	24.0	22.6	22.3	22.3	21.2	19.3	18.0	17.5	16.9	16.1	17.6	24.0	9.2
15	15.6	13.2	10.3	9.9	10.0	9.6	10.4	11.7	13.0	15.6	15.5	15.0	13.9	15.7	13.5	12.4	12.4	12.9	13.3	13.4	12.7	11.9	11.1	11.3	12.7	15.7	9.6
16	10.6	9.7	9.5	8.9	7.9	7.3	8.2	9.0	11.0	14.6	16.9	18.9	20.2	21.4	22.4	22.8	22.4	21.8	20.2	18.2	13.9	12.4	11.5	9.3	14.5	22.8	7.3
17	8.6	7.5	7.4	6.7	6.2	6.0	8.4	12.0	16.5	20.4	22.1	23.0	23.9	24.6	25.4	25.8	25.6	25.1	24.1	20.5	16.5	14.1	12.1	10.4	16.4	25.8	6.0
18	9.9	12.3	9.8	8.3	6.7	5.8	6.9	9.5	11.6	13.6	16.3	17.6	19.4	18.4	18.9	19.6	19.8	19.7	18.4	15.4	12.6	11.0	10.5	8.2	13.3	19.8	5.8
19	6.9	5.0	4.0	3.7	3.1	3.7	6.1	8.8	13.2	17.9	19.7	21.1	22.5	23.6	23.6	23.6	23.8	23.1	21.8	19.7	15.4	12.8	10.0	8.9	14.2	23.8	3.1
20	9.4	7.4	6.0	5.4	4.9	5.3	8.7	14.4	19.4	20.3	21.3	22.4	23.7	24.9	25.2	24.8	25.7	25.2	23.4	20.9	17.7	15.5	13.0	11.2	16.5	25.7	4.9
21	9.9	8.6	6.9	6.6	10.7	12.2	12.1	11.9	13.7	16.8	17.9	19.0	18.0	17.0	17.5	20.1	21.3	21.2	20.0	17.9	14.9	13.5	12.5	12.3	14.7	21.3	6.6
22	12.0	11.9	11.5	11.5	11.3	11.4	11.8	12.0	12.6	14.3	16.9	19.2	20.6	22.0	22.7	22.1	20.6	20.0	18.7	16.7	15.5	14.3	14.2	16.2	15.8	22.7	11.3
23	15.5	15.5	15.9	17.1	16.2	14.6	14.9	16.7	18.8	20.8	22.9	23.5	24.2	24.7	25.2	25.8	26.2	26.4	24.2	19.9	15.4	14.9	12.3	10.8	19.3	26.4	10.8
24	10.1	9.0	8.8	8.3	7.6	7.6	11.4	14.8	17.7	19.0	19.9	20.0	20.5	18.1	17.7	18.7	18.4	17.4	16.4	14.6	11.6	7.5	8.3	7.7	13.8	20.5	7.5
25	5.8	7.2	4.6	3.5	1.9	2.2	7.8	10.7	12.2	13.5	14.7	16.3	17.8	18.8	19.6	20.3	20.2	19.6	18.8	16.4	14.1	9.6	7.9	7.2	12.1	20.3	1.9
26	5.4	4.3	2.9	2.4	0.8	0.3	3.4	9.1	14.2	15.9	17.2	18.4	19.4	20.3	21.2	21.6	21.8	21.4	20.1	17.0	13.0	9.9	6.9	4.8	12.2	21.8	0.3
27	4.0	3.9	2.6	1.8	1.9	2.3	5.2	11.1	16.1	19.0	20.3	21.5	22.8	23.6	24.7	25.3	25.5	25.2	24.3	18.1	15.0	12.4	14.4	18.1	15.0	25.5	1.8
28	17.6	16.2	13.1	10.2	8.0	7.2	9.3	14.2	17.5	21.9	24.1	25.3	26.8	27.3	26.6	25.6	25.1	24.6	23.4	20.0	17.0	15.0	13.6	14.8	18.5	27.3	7.2
29	18.0	18.5	15.4	15.2	15.0	12.2	14.8	18.4	18.2	20.1	22.4	24.0	25.3	24.3	17.2	16.5	16.7	18.6	19.2	16.0	13.6	11.9	10.5	8.2	17.1	25.3	8.2
30	7.0	7.8	6.9	6.8	6.0	5.9	9.2	13.7	18.9	22.6	23.6	24.3	25.0	25.8	26.7	25.1	23.6	24.1	24.6	18.9	15.8	15.2	13.0	11.5	16.8	26.7	5.9
31	9.2	7.1	6.2	5.2	4.5	3.6	7.5	12.7	17.9	22.1	24.0	25.2	26.3	27.1	27.4	26.3	25.7	24.6	20.9	16.6	14.0	12.4	11.8	8.4	16.1	27.4	3.6
Avg	10.5	9.4	8.2	7.6	7.2	7.4	9.9	13.3	16.3	18.9	20.4	21.5	22.4	23.0	23.1	23.0	22.7	22.4	21.4	18.9	16.0	13.7	12.5	11.5	16.0	24.1	6.5
Max	18.0	18.5	15.9	17.1	16.2	14.6	14.9	18.4	19.5	23.8	24.2	25.3	26.8	27.3	27.4	26.5	26.8	26.4	25.0	22.6	20.0	17.5	17.4	18.1	21.4	27.4	15.1
Min	4.0	3.9	2.6	1.8	0.8	0.3	3.4	8.8	11.0	13.5	14.7	15.0	13.9	15.7	13.5	12.4	12.4	12.9	13.3	13.4	11.6	7.5	6.9	4.8	12.1	15.7	0.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
August 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	6.8	6.3	5.2	5.0	4.8	4.3	7.7	13.4	16.8	21.2	24.3	25.7	24.2	22.1	22.2	24.6	25.9	24.4	23.1	20.0	17.4	16.9	18.0	15.7	16.5	25.9	4.3
2	14.3	11.9	11.3	8.6	7.4	6.3	8.5	12.6	19.1	22.4	24.0	24.8	24.5	24.7	24.8	23.4	21.8	20.2	20.4	18.1	13.8	12.1	11.4	8.7	16.5	24.8	6.3
3	7.8	7.7	7.1	5.9	6.3	6.3	9.8	11.5	15.2	19.3	21.2	23.3	24.1	24.6	24.6	24.8	25.5	24.1	21.9	20.3	16.5	14.5	12.7	13.0	16.2	25.5	5.9
4	11.0	9.2	8.5	6.7	6.2	5.8	7.0	10.5	15.1	19.5	22.1	23.6	23.6	23.3	19.6	13.5	12.6	12.1	12.3	12.9	12.4	12.0	11.6	11.7	13.4	23.6	5.8
5	11.8	12.0	11.5	11.1	10.5	10.5	11.2	12.8	15.0	16.8	18.2	19.3	19.6	20.8	21.2	20.1	21.3	21.6	20.1	18.3	16.0	13.7	12.2	11.4	15.7	21.6	10.5
6	8.9	9.6	8.9	8.3	7.1	6.7	8.1	11.5	15.4	19.4	21.6	22.9	23.6	24.1	24.7	24.7	25.7	25.4	23.7	19.5	16.0	13.0	11.6	11.1	16.3	25.7	6.7
7	10.2	8.0	8.9	7.4	6.7	6.1	7.2	10.4	15.0	19.5	21.7	23.4	24.3	25.0	25.3	25.6	25.1	24.6	23.3	19.8	16.9	14.2	12.3	11.5	16.4	25.6	6.1
8	9.5	8.9	7.8	7.7	6.5	6.7	8.6	12.5	16.8	20.8	21.9	23.2	22.2	21.0	18.7	18.5	18.0	18.5	19.0	17.7	16.7	14.2	13.0	12.6	15.0	23.2	6.5
9	12.1	11.4	10.3	8.2	6.7	5.4	7.0	10.6	14.1	17.0	18.9	19.9	21.1	21.5	21.6	22.0	22.1	22.1	21.4	16.7	15.1	14.8	15.5	15.8	15.5	22.1	5.4
10	15.7	14.7	13.3	12.1	10.3	7.7	9.5	14.8	17.7	19.6	21.1	22.5	23.7	24.4	25.0	25.4	25.1	24.6	21.7	19.4	16.5	14.4	13.3	9.9	17.6	25.4	7.7
11	9.9	8.3	8.1	6.9	5.6	6.1	7.3	11.8	16.5	21.0	24.1	25.1	26.0	26.7	27.3	27.4	27.6	27.3	25.5	20.9	18.6	16.3	15.8	13.3	17.6	27.6	5.6
12	13.5	11.3	10.3	9.1	8.1	8.1	9.8	14.0	20.3	25.1	26.9	28.3	29.3	29.4	29.0	26.6	21.6	21.8	20.8	19.6	18.2	17.8	15.7	15.6	18.8	29.4	8.1
13	16.9	14.9	13.7	12.9	13.2	12.1	11.1	13.5	18.5	20.3	21.6	22.8	24.1	24.9	26.0	25.9	26.3	25.5	23.1	20.4	19.4	19.9	19.6	17.4	19.3	26.3	11.1
14	15.3	13.4	13.4	12.8	12.3	11.5	11.8	13.8	15.5	17.4	18.5	19.1	19.7	20.0	21.3	22.9	23.9	23.9	20.8	19.3	18.2	15.3	13.7	12.2	16.9	23.9	11.5
15	11.5	9.4	9.9	9.9	9.0	7.9	8.5	12.1	16.5	19.4	21.7	23.0	24.8	23.6	16.7	18.0	19.3	19.7	19.0	16.1	14.3	13.2	12.3	11.8	15.3	24.8	7.9
16	10.9	9.5	8.6	7.5	7.5	7.4	7.5	9.3	12.7	14.9	16.3	17.8	18.9	20.1	20.1	20.6	20.5	19.8	18.4	15.9	13.3	10.6	8.6	7.5	13.5	20.6	7.4
17	7.0	6.5	4.8	4.0	4.2	3.8	4.2	7.0	12.6	16.5	18.7	19.2	20.4	20.6	20.7	20.4	20.4	20.3	18.5	16.7	14.5	12.6	10.7	8.9	13.0	20.7	3.8
18	8.0	6.8	5.4	5.1	4.9	3.7	4.7	9.6	15.0	18.5	20.6	21.5	22.7	23.9	24.4	25.0	24.4	22.8	22.1	17.2	13.5	11.7	9.5	6.6	14.5	25.0	3.7
19	4.3	4.3	3.7	3.2	2.3	2.8	4.4	9.4	15.4	20.2	21.6	22.8	24.6	24.9	25.0	23.4	22.9	19.0	16.7	16.1	13.1	13.2	12.5	11.3	14.0	25.0	2.3
20	10.6	9.9	8.4	7.4	8.2	7.4	8.3	10.1	13.8	15.2	17.4	19.2	20.2	20.3	21.1	17.0	12.9	13.3	12.9	11.3	9.7	9.8	9.6	9.1	12.6	21.1	7.4
21	10.1	10.3	9.8	9.5	8.8	8.8	9.1	10.3	11.0	12.6	14.0	14.3	13.7	14.0	15.2	14.8	14.2	13.8	12.9	11.4	10.5	9.2	9.6	9.4	11.6	15.2	8.8
22	9.0	9.1	8.8	8.9	8.8	8.9	8.9	9.3	10.2	11.1	11.6	11.3	12.2	12.6	13.9	13.2	12.9	11.6	10.7	10.0	9.6	9.7	9.5	9.5	10.5	13.9	8.8
23	9.1	8.3	7.6	7.0	6.8	6.4	6.3	6.4	6.6	6.7	7.1	8.2	8.8	8.4	8.0	7.6	7.4	7.0	6.2	5.6	5.2	4.8	4.3	4.0	6.8	9.1	4.0
24	3.8	3.6	3.5	3.6	3.7	3.7	3.9	4.3	4.7	5.4	5.9	6.5	7.1	6.9	7.2	6.6	6.3	6.7	6.0	5.6	5.2	5.2	5.1	4.8	5.2	7.2	3.5
25	4.2	3.4	3.5	3.9	3.9	3.9	4.5	5.5	7.4	9.2	10.6	11.7	12.7	13.7	14.3	15.1	14.8	15.0	14.1	10.1	8.7	7.5	6.2	4.7	8.7	15.1	3.4
26	4.3	2.7	2.5	2.1	0.8	0.0	1.1	5.1	10.2	14.4	16.0	16.9	17.8	18.9	19.6	19.8	19.0	19.2	17.4	12.9	10.5	8.9	8.1	6.5	10.6	19.8	0.0
27	5.3	3.4	2.9	2.1	1.7	1.1	1.7	6.5	12.3	17.2	18.5	19.3	20.4	21.3	22.0	22.5	22.3	21.5	19.3	14.7	12.5	10.6	8.9	7.2	12.3	22.5	1.1
28	5.6	5.2	4.1	3.5	3.3	2.7	3.7	8.1	13.8	18.9	20.6	21.3	22.2	23.5	23.8	23.5	23.8	22.5	20.6	17.8	18.0	18.8	15.4	12.0	14.7	23.8	2.7
29	10.4	8.8	6.2	5.4	3.8	2.3	2.5	6.7	11.7	15.5	17.1	18.6	20.0	20.9	21.6	21.5	22.0	21.7	19.4	13.9	11.4	8.8	7.7	11.2	12.9	22.0	2.3
30	13.2	11.8	10.2	9.5	8.9	9.4	9.5	9.9	11.0	12.5	14.2	15.2	15.6	15.3	15.0	13.4	11.4	11.9	10.8	8.6	7.8	7.2	6.2	5.5	11.0	15.6	5.5
31	3.8	3.4	2.9	2.9	3.1	2.6	2.2	4.1	9.0	11.5	12.4	12.6	12.6	14.2	13.7	13.5	12.6	12.4	10.9	8.6	6.4	4.0	2.8	0.9	7.6	14.2	0.9
Avg	9.5	8.5	7.8	7.0	6.5	6.0	7.0	9.9	13.7	16.7	18.4	19.5	20.2	20.5	20.4	20.0	19.7	19.2	17.8	15.3	13.4	12.1	11.1	10.0	13.8	21.5	5.6
Max	16.9	14.9	13.7	12.9	13.2	12.1	11.8	14.8	20.3	25.1	26.9	28.3	29.3	29.4	29.0	27.4	27.6	27.3	25.5	20.9	19.4	19.9	19.6	17.4	19.3	29.4	11.5
Min	3.8	2.7	2.5	2.1	0.8	0.0	1.1	4.1	4.7	5.4	5.9	6.5	7.1	6.9	7.2	6.6	6.3	6.7	6.0	5.6	5.2	4.0	2.8	0.9	5.2	7.2	0.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
September 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	0.3	0.2	-0.4	-0.5	-0.6	-0.1	-0.2	3.3	8.0	10.9	12.2	12.8	13.1	13.9	14.6	15.4	15.3	14.9	13.2	10.0	5.9	4.2	2.1	1.1	7.1	15.4	-0.6
2	0.6	-0.5	-1.0	-0.5	-0.4	-0.2	-0.1	3.3	8.6	14.1	15.2	16.4	17.8	18.6	19.3	19.9	20.0	19.8	16.4	11.7	9.7	7.9	6.0	5.2	9.5	20.0	-1.0
3	3.3	1.9	1.9	1.8	1.8	2.2	3.5	7.3	12.6	14.3	13.4	11.8	13.0	14.1	13.7	13.4	13.2	12.1	10.2	8.5	7.5	6.1	5.0	4.5	8.2	14.3	1.8
4	4.5	4.1	4.1	4.2	4.3	4.3	4.5	5.2	6.2	7.7	8.6	9.8	10.3	10.6	11.7	12.4	12.3	12.7	10.4	5.4	3.9	0.5	-0.3	0.3	6.6	12.7	-0.3
5	-0.3	-2.1	-3.1	-4.0	-3.5	-4.3	-3.5	0.6	6.5	11.2	13.4	14.1	15.0	15.7	16.4	16.6	16.8	16.3	12.8	7.6	5.6	4.1	1.4	-0.9	6.3	16.8	-4.3
6	-1.5	-2.1	-2.5	-3.0	-3.5	-4.1	-3.4	1.2	7.6	13.8	16.5	17.5	18.2	19.3	20.1	20.8	20.6	19.9	15.4	9.4	7.0	2.7	1.7	1.6	8.0	20.8	-4.1
7	0.3	-0.2	-0.9	-1.2	-2.0	-2.5	-1.6	3.0	9.8	16.0	19.2	20.3	21.2	21.7	22.0	22.0	21.9	20.9	17.6	11.9	8.5	6.0	4.0	2.5	10.0	22.0	-2.5
8	1.2	0.0	-0.5	-1.1	-1.5	-1.7	-1.9	3.4	10.0	16.3	19.4	20.6	21.6	22.4	22.7	22.7	22.2	20.5	15.8	12.3	9.8	7.5	5.0	3.9	10.4	22.7	-1.9
9	3.3	3.0	2.0	1.6	0.7	0.1	-0.1	0.5	2.5	4.2	5.8	7.3	8.1	7.9	8.2	8.1	5.6	4.3	3.1	3.6	3.5	2.9	2.2	2.0	3.8	8.2	-0.1
10	1.1	0.5	0.5	0.2	0.1	0.3	0.7	1.1	1.4	1.1	1.9	3.4	4.3	3.6	4.2	4.8	3.5	2.6	1.7	0.7	0.3	0.1	0.0	-0.1	1.6	4.8	-0.1
11	-0.3	-0.6	-1.1	-1.2	-1.6	-1.8	-1.8	-1.2	0.2	0.6	0.6	1.3	1.4	1.6	2.1	2.6	2.8	2.5	1.2	-0.7	-1.4	-2.6	-3.9	-5.4	-0.3	2.8	-5.4
12	-6.3	-7.5	-7.8	-8.3	-8.6	-9.0	-8.6	-4.3	0.8	4.0	6.7	8.8	10.7	12.5	13.3	12.9	13.4	13.0	8.9	5.9	4.1	3.5	1.8	1.5	2.6	13.4	-9.0
13	0.7	-1.1	-1.5	-0.6	-1.6	-3.2	-1.7	0.3	3.3	4.3	5.2	6.9	8.7	9.6	10.3	11.3	12.1	11.0	7.1	5.8	4.7	3.9	3.3	2.9	4.2	12.1	-3.2
14	2.9	2.2	0.5	-1.4	-2.6	-4.5	-4.5	-1.4	3.8	8.9	12.1	13.5	14.6	15.3	15.6	15.7	15.4	14.6	10.6	6.6	4.2	2.6	4.1	4.0	6.4	15.7	-4.5
15	4.8	3.9	2.6	1.1	-0.9	-2.1	-2.4	0.7	6.3	12.1	15.1	17.2	18.5	19.9	20.7	21.1	21.1	19.9	14.9	9.4	6.7	5.7	3.9	1.1	9.2	21.1	-2.4
16	0.4	0.2	-0.2	-0.2	-0.6	0.6	1.2	4.1	9.5	16.0	19.6	21.6	21.7	21.7	21.6	21.8	20.8	19.0	15.3	14.0	11.2	10.9	10.4	7.6	11.2	21.8	-0.6
17	8.0	9.6	9.6	8.7	8.5	7.3	4.5	7.4	12.1	17.5	21.0	22.5	23.5	24.1	23.7	23.2	22.5	20.5	18.3	15.9	14.4	12.9	11.1	8.4	14.8	24.1	4.5
18	6.9	7.0	7.7	7.5	5.4	5.8	6.2	9.7	12.7	14.3	17.2	17.6	17.8	18.3	19.0	19.1	18.8	17.7	14.5	11.5	11.4	11.4	10.5	8.2	12.3	19.1	5.4
19	7.4	6.1	4.9	4.6	4.4	6.2	7.4	11.2	12.7	13.3	15.0	16.7	17.5	17.8	17.3	16.6	16.5	16.0	14.6	13.5	11.9	11.7	8.3	5.8	11.6	17.8	4.4
20	3.6	1.9	2.3	0.2	-1.1	-0.8	-1.2	1.2	7.4	13.0	15.3	17.1	18.3	19.0	19.9	20.4	20.6	19.1	15.1	12.2	9.3	8.4	5.8	4.9	9.7	20.6	-1.2
21	3.3	2.7	2.6	2.5	1.6	1.8	0.6	3.7	10.4	16.0	17.5	19.1	20.2	21.0	21.6	21.1	19.1	17.4	15.6	14.3	13.5	11.3	10.9	8.4	11.5	21.6	0.6
22	6.2	6.1	5.0	4.8	3.1	3.5	4.1	7.4	13.6	17.5	19.6	20.3	20.0	19.9	19.8	19.6	18.6	16.7	15.0	12.9	11.3	9.9	8.8	5.9	12.1	20.3	3.1
23	5.5	4.2	3.3	2.1	1.4	1.4	0.9	3.5	9.4	15.7	18.8	20.0	21.3	22.0	21.9	21.7	17.9	13.5	12.0	9.5	8.6	8.2	8.0	6.5	10.7	22.0	0.9
24	6.2	5.5	5.3	5.5	5.3	4.4	4.1	6.1	10.2	18.6	22.6	23.5	25.2	26.2	26.7	26.7	26.3	24.5	21.3	17.0	14.4	12.2	10.7	9.3	14.9	26.7	4.1
25	8.6	7.9	8.4	7.7	5.3	3.9	3.1	6.8	14.1	22.0	25.4	26.8	27.2	27.5	27.6	27.7	27.2	25.2	18.9	16.0	15.2	14.1	12.9	11.3	16.3	27.7	3.1
26	10.1	9.9	10.8	9.9	9.7	7.3	6.2	9.6	15.1	17.8	18.8	16.9	17.2	17.6	18.6	18.8	18.0	15.5	11.6	9.6	10.0	9.3	11.4	11.0	12.9	18.8	6.2
27	9.0	8.5	8.9	8.6	8.6	8.7	8.7	9.0	9.5	9.7	9.6	8.8	8.0	7.8	7.4	7.4	7.4	7.7	7.4	7.3	7.2	7.1	6.9	6.2	8.1	9.7	6.2
28	6.2	6.2	6.7	6.3	6.3	6.4	6.2	6.6	6.8	6.4	7.3	8.2	8.7	7.5	6.8	7.3	8.0	7.5	6.8	6.9	6.8	6.7	6.6	6.7	6.9	8.7	6.2
29	6.3	6.2	6.2	6.0	5.9	5.7	5.2	5.7	7.0	8.3	9.6	10.3	10.3	11.5	12.9	12.1	11.8	10.7	9.0	7.8	5.5	6.1	8.0	8.6	8.2	12.9	5.2
30	8.3	7.6	7.2	7.6	7.5	7.1	6.7	7.4	7.9	8.2	8.4	8.6	8.5	9.1	10.3	10.1	9.6	8.3	6.3	5.6	4.4	3.9	2.7	2.7	7.3	10.3	2.7
Avg	3.7	3.0	2.7	2.3	1.7	1.4	1.4	4.1	8.2	11.8	13.7	14.7	15.4	15.9	16.3	16.4	16.0	14.8	12.0	9.4	7.8	6.6	5.6	4.5	8.7	16.8	0.4
Max	10.1	9.9	10.8	9.9	9.7	8.7	8.7	11.2	15.1	22.0	25.4	26.8	27.2	27.5	27.6	27.7	27.2	25.2	21.3	17.0	15.2	14.1	12.9	11.3	16.3	27.7	6.2
Min	-6.3	-7.5	-7.8	-8.3	-8.6	-9.0	-8.6	-4.3	0.2	0.6	0.6	1.3	1.4	1.6	2.1	2.6	2.8	2.5	1.2	-0.7	-1.4	-2.6	-3.9	-5.4	-0.3	2.8	-9.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
July 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.17	1.30	-1.54
4	0.50	0.38	0.36	0.31	0.57	0.55	-0.22	-0.30	-0.32	-0.30	-0.45	-0.65	-0.68	-0.71	-0.63	0.45	0.48	0.23	0.36	0.39	0.67	0.51	0.58	1.03	0.13	1.03	-0.71
5	1.25	0.85	1.09	1.12	0.77	0.61	-0.17	-0.26	-0.29	-0.18	-0.40	-0.38	-0.49	-0.52	-0.44	-0.31	0.11	0.02	0.63	1.18	0.97	1.17	1.42	0.23	0.33	1.42	-0.52
6	0.65	1.53	0.96	1.34	0.65	0.47	-0.27	-0.23	-0.43	-0.67	-0.70	-0.78	-0.79	-0.68	-0.53	-0.20	-0.15	-0.18	0.49	1.18	1.65	0.40	1.10	0.72	0.23	1.65	-0.79
7	1.24	1.57	1.44	1.54	1.65	1.23	-0.06	-0.21	-0.45	-0.38	-0.91	-0.81	-0.74	-0.70	-0.76	-0.76	-0.75	-0.56	-0.31	0.18	0.87	0.81	0.54	1.06	0.20	1.65	-0.91
8	1.23	1.13	1.07	0.61	0.52	0.54	-0.25	-0.43	-0.79	-0.98	-0.97	-0.98	-0.86	-0.73	-0.78	-0.68	-0.61	-0.46	-0.19	0.19	0.51	0.39	0.49	0.79	-0.05	1.23	-0.98
9	1.35	2.04	1.40	0.86	0.65	0.59	-0.20	-0.33	-0.40	-0.64	-0.70	-0.70	-0.24	-0.41	-0.60	-0.28	0.28	0.32	0.54	1.14	0.87	0.42	0.30	0.27	0.27	2.04	-0.70
10	0.64	1.43	1.19	1.17	1.07	0.49	-0.28	-0.37	-0.46	-0.68	-0.69	-0.90	-0.89	-0.79	-0.75	-0.67	-0.35	0.04	0.52	0.94	1.33	0.54	0.91	0.78	0.18	1.43	-0.90
11	1.42	1.66	1.38	1.41	1.21	0.62	-0.22	-0.53	-0.58	-0.68	-0.79	-0.83	-1.19	-1.09	-1.03	-0.73	-0.78	-0.29	-0.07	0.12	0.23	0.23	0.43	0.90	0.03	1.66	-1.19
12	1.26	1.74	1.20	0.50	0.54	0.33	-0.29	-0.35	-0.48	-0.58	-0.64	-0.76	-0.67	-0.90	-0.86	-0.74	-0.59	-0.27	0.22	0.71	0.54	0.70	0.43	1.02	0.09	1.74	-0.90
13	1.22	1.28	1.01	1.22	1.41	1.22	-0.04	-0.34	-0.43	-0.50	-0.73	-0.82	-0.91	-0.94	-0.66	-0.53	-0.64	-0.26	0.21	0.40	0.57	1.72	1.16	0.71	0.22	1.72	-0.94
14	0.98	1.32	1.62	1.40	0.93	0.80	-0.01	-0.43	-0.82	-1.09	-1.19	-1.15	-1.24	-0.96	-0.97	-0.36	-0.32	-0.39	-0.10	0.18	0.40	0.22	0.33	0.33	-0.02	1.62	-1.24
15	0.24	0.26	0.08	0.03	0.02	0.03	-0.14	-0.28	-0.37	-0.55	-0.39	-0.24	-0.45	-0.70	-0.11	-0.18	-0.18	-0.24	-0.18	-0.11	0.09	0.21	-0.01	-0.12	-0.14	0.26	-0.70
16	-0.15	-0.14	-0.14	-0.18	-0.16	-0.16	-0.22	-0.32	-0.29	-0.20	-0.75	-0.93	-0.83	-0.76	-0.64	-0.35	0.05	0.27	0.93	0.75	0.31	0.18	0.09	0.43	-0.13	0.93	-0.93
17	0.62	0.78	0.87	0.68	1.08	0.60	-0.14	-0.29	-0.29	-0.44	-0.60	-0.63	-0.62	-0.51	-0.52	-0.50	-0.21	0.16	0.60	1.37	1.05	0.44	0.49	0.70	0.20	1.37	-0.63
18	1.18	1.08	1.07	1.03	0.79	0.49	-0.04	-0.24	-0.27	-0.30	-0.31	-0.28	-0.41	0.34	-0.13	-0.07	0.02	0.28	0.80	1.10	0.43	0.20	0.25	0.62	0.32	1.18	-0.41
19	0.69	1.06	1.24	0.86	0.82	0.54	0.01	-0.23	-0.04	-0.34	-0.55	-0.69	-0.76	-0.78	-0.40	-0.28	-0.30	-0.02	0.36	1.06	1.92	0.99	1.39	1.45	0.33	1.92	-0.78
20	1.01	1.10	1.12	1.18	1.31	1.00	-0.25	-0.36	-0.36	-0.57	-0.76	-0.86	-0.92	-0.96	-0.82	-0.34	-0.44	-0.08	0.51	1.08	1.20	1.19	1.16	1.47	0.28	1.47	-0.96
21	1.48	1.28	1.48	1.45	0.73	0.60	0.26	-0.05	-0.28	-0.72	-0.43	-0.44	-0.09	0.01	-0.43	-0.96	-0.61	-0.38	0.17	0.69	0.72	0.35	0.35	0.21	0.22	1.48	-0.96
22	0.07	0.12	0.06	0.03	0.11	0.03	-0.06	0.00	-0.06	-0.25	-0.45	-0.69	-0.64	-0.64	-0.36	-0.03	0.44	0.20	-0.15	0.24	0.20	0.91	1.19	0.45	0.03	1.19	-0.69
23	0.98	1.10	0.86	0.49	0.98	0.49	0.02	-0.28	-0.42	-0.38	-0.77	-0.77	-0.82	-0.75	-0.54	-0.45	-0.33	-0.18	0.48	0.54	0.61	0.54	0.42	0.70	0.10	1.10	-0.82
24	0.66	0.75	1.46	0.92	1.42	0.97	-0.04	-0.24	-0.55	-0.78	-0.95	-0.83	-0.78	-0.80	-0.94	-0.67	-0.65	-0.33	-0.02	0.54	1.49	1.92	1.37	1.30	0.22	1.92	-0.95
25	2.44	1.54	1.44	1.21	1.44	2.05	0.53	-0.44	-0.67	-0.86	-1.05	-1.16	-1.18	-1.05	-0.91	-0.70	-0.49	-0.25	0.07	0.79	1.52	3.10	1.59	1.98	0.46	3.10	-1.18
26	1.34	0.65	0.50	0.65	1.02	0.83	-0.27	-0.48	-0.65	-0.92	-1.01	-1.01	-0.72	-1.06	-1.02	-0.87	-0.60	-0.30	0.35	1.15	0.78	1.26	1.92	1.32	0.10	1.92	-1.11
27	1.40	1.01	1.55	1.56	1.29	1.14	0.09	-0.31	-0.43	-0.63	-0.62	-0.72	-0.72	-0.65	-0.70	-0.65	-0.55	-0.29	0.36	1.31	0.46	0.89	1.22	0.82	0.28	1.56	-0.72
28	1.00	0.98	2.36	2.60	1.33	0.89	0.10	-0.40	-0.23	-0.52	-0.96	-1.04	-1.31	-1.30	-0.88	-0.42	-0.19	0.11	0.30	1.45	2.71	2.18	2.61	2.47	0.58	2.71	-1.31
29	1.09	0.63	1.27	0.54	0.45	0.99	0.13	-0.17	0.04	-0.46	-1.11	-1.24	-1.33	-0.87	0.03	0.34	-0.11	-0.25	-0.02	0.15	0.25	0.26	0.39	1.15	0.09	1.27	-1.33
30	1.76	1.26	1.34	1.12	1.50	1.30	0.19	-0.31	-0.40	-0.61	-0.76	-0.72	-0.68	-0.62	-0.85	0.07	0.28	0.02	-0.04	1.37	0.81	0.45	0.52	0.44	0.31	1.76	-0.85
31	1.04	1.56	1.26	1.74	1.25	1.71	-0.14	-0.30	-0.38	-0.66	-0.95	-1.02	-1.03	-1.06	-1.00	-0.33	-0.43	-0.27	-0.04	0.11	0.17	0.56	0.38	1.00	0.13	1.74	-1.06
Avg	1.02	1.07	1.09	0.98	0.91	0.75	-0.07	-0.30	-0.40	-0.60	-0.73	-0.78	-0.79	-0.73	-0.63	-0.34	-0.23	-0.08	0.25	0.72	0.83	0.80	0.81	0.86	0.18	1.56	-0.92
Max	2.44	2.04	2.36	2.60	1.65	2.05	0.53	0.00	0.04	-0.18	-0.31	-0.24	-0.09	0.34	0.03	1.30	0.93	0.97	0.93	1.45	2.71	3.10	2.61	2.47	0.58	3.10	-0.41
Min	-0.15	-0.14	-0.14	-0.18	-0.16	-0.16	-0.29	-0.53	-0.82	-1.54	-1.19	-1.24	-1.33	-1.30	-1.03	-0.96	-0.78	-0.56	-0.31	-0.11	0.09	0.18	-0.01	-0.12	-0.14	0.26	-1.54

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
August 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	1.22	1.31	1.55	1.39	1.20	1.98	0.33	-0.33	-0.31	-0.41	-0.55	-0.99	-0.79	0.06	0.46	-0.54	-0.78	-0.17	0.06	1.00	0.27	0.86	0.90	0.52	0.34	1.98	-0.99
2	0.65	0.91	0.55	1.10	1.20	1.05	0.05	-0.32	-0.49	-0.80	-1.04	-0.96	-0.56	-0.47	-0.32	0.17	0.13	0.63	0.22	0.66	1.31	2.14	1.49	1.18	0.35	2.14	-1.04
3	1.53	1.56	0.78	1.46	1.32	1.18	-0.07	-0.27	-0.36	-0.64	-0.67	-0.92	-1.06	-0.80	-0.48	-0.31	-0.45	0.15	1.33	0.50	1.31	1.02	1.15	1.19	0.35	1.56	-1.06
4	1.43	1.10	1.13	1.35	1.45	1.12	0.31	-0.24	-0.35	-0.39	-0.66	-1.10	-0.99	-0.68	-0.06	0.39	0.13	-0.02	0.00	0.04	0.05	-0.02	0.10	0.02	0.17	1.45	-1.10
5	0.20	0.06	0.08	0.37	0.29	0.06	-0.14	-0.33	-0.40	-0.50	-0.51	-0.66	-0.44	-0.50	-0.47	-0.36	-0.54	-0.38	0.18	0.38	0.51	0.17	0.28	0.28	-0.10	0.51	-0.66
6	1.14	0.43	0.52	0.59	1.10	0.90	0.08	-0.14	-0.25	-0.43	-0.52	-0.69	-0.73	-0.51	-0.50	-0.24	-0.49	-0.21	0.42	1.03	0.86	0.71	0.82	0.31	0.17	1.14	-0.73
7	0.44	0.92	0.47	0.81	0.96	1.01	0.26	-0.20	-0.29	-0.45	-0.74	-0.81	-0.71	-0.72	-0.58	-0.61	-0.27	0.21	0.29	0.28	0.62	0.51	0.60	0.47	0.10	1.01	-0.81
8	1.01	0.87	0.95	1.17	1.16	0.85	-0.02	-0.36	-0.41	-0.61	-0.74	-0.83	-0.34	-0.12	-0.30	-0.34	-0.25	-0.16	0.46	0.28	0.44	1.19	0.43	0.09	0.18	1.19	-0.83
9	0.35	0.32	0.43	0.65	0.67	0.94	0.05	-0.44	-0.50	-0.64	-0.74	-0.88	-0.97	-0.94	-0.74	-0.74	-0.52	-0.34	-0.08	0.52	0.35	0.51	0.46	0.66	-0.07	0.94	-0.97
10	0.48	0.51	0.85	1.13	1.31	2.09	0.79	-0.25	-0.52	-0.61	-0.61	-0.77	-0.93	-0.80	-0.76	-0.55	-0.26	0.04	0.78	0.89	0.61	0.88	1.32	1.52	0.30	2.09	-0.93
11	1.07	1.18	1.02	1.72	1.11	1.23	0.34	-0.31	-0.33	-0.48	-0.60	-0.55	-0.62	-0.72	-0.69	-0.52	-0.43	-0.09	0.58	0.66	0.50	0.54	0.71	2.62	0.33	2.62	-0.72
12	1.97	2.50	1.31	1.40	1.59	1.14	0.62	-0.21	-0.31	-0.62	-0.86	-0.96	-0.96	-0.70	-0.24	0.39	0.17	-0.08	0.22	0.12	0.28	0.64	0.61	0.23	0.34	2.50	-0.96
13	0.46	0.74	0.20	0.21	0.31	0.76	0.74	-0.09	-0.49	-0.56	-0.70	-0.78	-0.83	-0.76	-0.72	-0.44	-0.44	0.09	0.47	0.12	0.41	0.54	0.50	1.23	0.04	1.23	-0.83
14	1.17	1.21	0.92	0.21	0.15	0.30	0.08	-0.21	-0.23	-0.32	-0.47	-0.50	-0.44	-0.59	-0.66	-0.69	-0.65	-0.48	0.43	0.39	0.44	0.63	0.24	0.29	0.05	1.21	-0.69
15	0.43	1.02	0.90	0.41	0.94	0.83	0.26	-0.38	-0.58	-0.46	-0.68	-0.80	-0.96	-0.91	-0.52	-0.43	-0.28	-0.13	0.20	0.59	0.12	0.39	0.15	-0.02	0.00	1.02	-0.96
16	0.15	0.39	0.17	0.29	-0.10	-0.11	-0.16	-0.25	-0.36	-0.41	-0.64	-0.68	-1.02	-1.07	-0.84	-0.84	-0.69	-0.36	0.13	1.15	2.02	1.06	1.02	0.81	-0.01	2.02	-1.07
17	0.46	0.33	0.71	0.77	0.73	0.76	0.22	-0.30	-0.35	-0.65	-1.07	-0.84	-1.08	-0.93	-0.62	-0.51	-0.16	-0.09	0.75	0.77	1.02	1.25	1.57	1.13	0.16	1.57	-1.08
18	0.94	0.87	1.45	1.02	0.90	0.88	0.48	-0.25	-0.42	-0.55	-0.94	-0.95	-0.97	-1.00	-0.86	-0.89	-0.38	0.25	0.42	1.12	0.23	0.56	0.94	1.16	0.17	1.45	-1.00
19	2.10	1.16	1.48	1.73	1.75	1.27	0.40	-0.28	-0.35	-0.73	-0.87	-0.97	-1.21	-1.10	-0.85	-0.02	0.00	0.30	0.32	0.22	0.30	0.37	0.40	0.16	0.23	2.10	-1.21
20	0.39	0.37	0.53	0.48	0.05	0.39	-0.09	-0.24	-0.36	-0.18	-0.68	-0.79	-0.70	-0.33	-0.67	-0.10	0.00	-0.19	-0.04	0.46	0.32	0.08	0.29	0.41	-0.03	0.53	-0.79
21	0.22	0.06	0.14	0.15	0.23	-0.01	-0.15	-0.36	-0.39	-0.52	-0.72	-0.80	-0.58	-0.69	-0.85	-0.58	-0.34	-0.18	0.07	0.26	0.49	0.17	0.05	-0.01	-0.18	0.49	-0.85
22	-0.04	-0.06	-0.05	-0.02	-0.05	-0.06	-0.05	-0.15	-0.20	-0.44	-0.43	-0.34	-0.56	-0.61	-0.82	-0.34	-0.44	0.00	0.07	0.05	0.10	0.20	0.03	0.16	-0.17	0.20	-0.82
23	0.05	-0.05	-0.03	-0.03	-0.04	-0.06	-0.05	-0.07	-0.13	-0.12	-0.12	-0.08	-0.11	-0.09	-0.13	-0.17	-0.18	-0.06	0.01	0.06	0.04	0.03	0.00	-0.07	-0.06	0.06	-0.18
24	0.02	0.02	0.02	0.00	0.06	0.05	0.00	-0.03	-0.14	-0.39	-0.47	-0.70	-0.72	-0.58	-0.69	-0.40	-0.34	-0.45	-0.12	-0.04	-0.05	-0.01	-0.08	0.04	-0.21	0.06	-0.72
25	0.32	0.44	0.01	-0.10	-0.09	0.01	-0.16	-0.26	-0.51	-0.72	-0.70	-0.85	-0.85	-0.84	-0.84	-0.77	-0.43	-0.43	-0.01	0.79	0.85	0.34	0.25	0.62	-0.16	0.85	-0.85
26	0.24	0.67	0.72	0.66	1.09	1.06	0.56	-0.25	-0.43	-0.68	-0.95	-0.95	-0.93	-1.03	-0.99	-0.79	-0.21	-0.26	0.79	0.62	0.16	0.13	0.21	0.46	-0.00	1.09	-1.03
27	0.67	1.16	1.01	1.27	1.20	1.39	0.81	-0.19	-0.46	-0.68	-0.92	-0.98	-1.01	-0.99	-0.90	-0.76	-0.55	-0.13	0.46	0.37	0.17	0.29	0.58	1.01	0.12	1.39	-1.01
28	1.43	1.10	1.06	1.37	1.17	1.15	0.58	-0.34	-0.38	-0.58	-0.87	-0.86	-0.70	-0.90	-0.88	-0.46	-0.31	0.32	0.96	1.59	1.10	0.45	0.83	0.14	0.29	1.59	-0.90
29	-0.02	0.48	0.76	0.58	0.82	0.89	0.15	-0.31	-0.46	-0.69	-0.67	-0.96	-1.14	-0.93	-0.88	-0.63	-0.63	-0.18	0.38	0.27	0.43	1.52	1.76	1.60	0.09	1.76	-1.14
30	0.26	0.41	0.46	0.19	0.08	0.14	-0.02	-0.07	-0.21	-0.33	-0.54	-0.77	-0.66	-0.18	-0.11	-0.09	-0.11	-0.25	0.24	0.31	0.18	0.10	0.25	0.17	-0.02	0.46	-0.77
31	0.49	0.28	0.11	0.03	0.09	0.52	0.42	-0.20	-0.32	-0.46	-0.66	-0.37	-0.40	-0.74	-0.33	-0.38	0.15	0.19	0.61	1.07	1.05	0.44	0.34	0.51	0.10	1.07	-0.74
Avg	0.68	0.72	0.65	0.72	0.73	0.76	0.21	-0.25	-0.36	-0.52	-0.69	-0.78	-0.77	-0.68	-0.58	-0.40	-0.31	-0.08	0.34	0.53	0.53	0.57	0.59	0.61	0.09	1.27	-0.89
Max	2.10	2.50	1.55	1.73	1.75	2.09	0.81	-0.03	-0.13	-0.12	-0.12	-0.08	-0.11	0.06	0.46	0.39	0.17	0.63	1.33	1.59	2.02	2.14	1.76	2.62	0.35	2.62	-0.18
Min	-0.04	-0.06	-0.05	-0.10	-0.10	-0.11	-0.16	-0.44	-0.58	-0.80	-1.07	-1.10	-1.21	-1.10	-0.99	-0.89	-0.78	-0.48	-0.12	-0.04	-0.05	-0.02	-0.08	-0.07	-0.21	0.06	-1.21

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
September 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	0.84	0.31	0.61	0.53	0.56	0.35	0.13	-0.31	-0.48	-1.01	-1.11	-0.91	-0.72	-0.98	-0.92	-0.90	-0.61	-0.23	0.48	1.28	0.48	0.61	0.89	0.01	1.28	-1.11	
2	0.86	1.07	0.97	0.64	0.64	0.87	0.57	-0.17	-0.36	-0.83	-0.93	-1.07	-1.11	-1.07	-1.00	-0.80	-0.57	-0.19	0.93	0.55	0.46	0.33	0.56	0.97	0.06	1.07	-1.11
3	1.22	1.92	0.98	1.15	1.02	0.87	0.69	-0.24	-0.52	-0.63	-0.53	-0.50	-1.02	-1.05	-0.86	-0.76	-0.71	-0.28	0.19	0.35	0.39	0.22	0.21	0.26	0.10	1.92	-1.05
4	0.14	0.00	-0.04	0.01	-0.03	-0.07	-0.14	-0.24	-0.36	-0.56	-0.61	-0.78	-0.55	-0.42	-0.63	-0.65	-0.37	-0.40	0.55	0.53	0.15	0.92	1.09	0.72	-0.07	1.09	-0.78
5	0.63	1.52	1.31	1.71	1.20	1.78	0.98	-0.22	-0.43	-0.53	-0.85	-0.86	-0.92	-0.87	-0.99	-0.73	-0.61	-0.31	0.99	0.43	0.32	0.24	1.17	1.78	0.28	1.78	-0.99
6	1.75	1.62	1.47	1.16	1.39	1.65	0.72	-0.35	-0.39	-0.53	-0.79	-0.98	-0.80	-0.87	-0.86	-0.73	-0.62	-0.17	0.69	0.29	0.46	1.65	1.77	1.37	0.37	1.77	-0.98
7	1.59	1.76	1.38	1.62	1.63	1.98	1.04	-0.10	-0.33	-0.38	-0.80	-1.01	-1.08	-0.99	-0.85	-0.64	-0.29	0.22	1.76	1.22	0.47	0.74	1.02	1.59	0.48	1.98	-1.08
8	1.83	1.95	1.75	2.02	1.79	1.82	1.77	-0.21	-0.36	-0.43	-0.86	-1.03	-1.07	-1.03	-0.86	-0.58	-0.22	0.26	1.46	1.72	1.04	0.32	0.32	0.18	0.48	2.02	-1.07
9	-0.12	-0.17	-0.13	-0.18	-0.12	-0.09	-0.21	-0.41	-0.47	-0.75	-1.00	-1.10	-1.10	-0.96	-1.10	-1.15	-0.67	-0.40	-0.25	-0.17	-0.16	-0.14	-0.15	-0.15	-0.46	-0.09	-1.15
10	-0.13	0.02	-0.07	-0.05	-0.08	-0.07	-0.07	-0.06	-0.17	-0.13	-0.24	-0.33	-0.28	-0.30	-0.46	-0.37	-0.30	-0.11	-0.02	-0.04	-0.06	-0.14	-0.13	-0.12	-0.15	0.02	-0.46
11	-0.11	-0.13	-0.10	-0.10	-0.07	-0.01	-0.02	-0.23	-0.47	-0.44	-0.73	-0.91	-0.75	-0.46	-0.58	-0.60	-0.42	-0.25	0.12	0.58	0.46	0.63	1.08	1.43	-0.09	1.43	-0.91
12	1.71	1.59	1.40	1.38	1.44	1.22	1.03	0.12	0.03	-0.46	-0.72	-0.76	-0.76	-0.91	-0.96	-0.57	-0.54	-0.20	0.63	0.19	1.12	1.33	2.01	1.34	0.44	2.01	-0.96
13	1.20	2.08	1.33	0.77	0.81	1.28	0.52	-0.30	-0.78	-0.70	-0.71	-0.67	-0.62	-0.68	-0.52	-0.52	-0.55	-0.21	0.54	0.43	0.93	0.89	0.83	0.73	0.25	2.08	-0.78
14	0.37	0.42	0.60	0.94	0.64	1.73	0.68	-0.09	-0.38	-0.59	-1.01	-1.14	-1.23	-1.22	-1.05	-0.91	-0.60	-0.10	0.84	1.23	1.26	1.11	1.07	1.52	0.17	1.73	-1.23
15	0.83	0.82	1.20	1.15	1.50	2.03	1.33	-0.08	-0.38	-0.62	-0.54	-0.90	-1.08	-1.08	-0.99	-0.76	-0.42	0.28	0.97	0.28	0.53	0.45	0.89	1.77	0.30	2.03	-1.08
16	1.94	1.56	1.68	1.24	1.61	0.97	1.21	0.08	-0.32	-0.36	-0.41	-0.66	-0.65	-0.39	-0.34	-0.28	0.15	0.61	0.62	0.34	0.88	0.38	0.62	1.08	0.48	1.94	-0.66
17	0.47	0.29	0.30	0.57	0.44	0.73	1.61	0.13	-0.24	-0.39	-0.68	-0.74	-0.81	-0.74	-0.44	-0.03	0.20	0.56	0.70	0.59	0.32	0.34	0.70	1.38	0.22	1.61	-0.81
18	1.66	0.99	0.72	0.81	1.47	1.07	0.91	0.86	0.27	-0.09	-0.54	-0.33	-0.43	-0.47	-0.72	-0.43	-0.25	0.19	0.97	1.18	0.45	0.36	0.83	0.84	0.43	1.66	-0.72
19	0.89	0.71	0.75	0.74	0.87	1.49	1.83	0.46	0.04	-0.15	-0.67	-1.00	-1.04	-0.96	-0.42	-0.13	-0.05	0.05	0.46	0.56	0.96	0.77	1.60	1.02	0.37	1.83	-1.04
20	0.86	0.83	0.69	1.33	1.15	1.00	1.11	0.08	-0.46	-0.44	-0.55	-0.90	-0.87	-0.77	-0.73	-0.61	-0.49	0.07	0.60	0.73	0.63	0.30	1.16	1.23	0.25	1.33	-0.90
21	1.48	1.68	1.41	1.06	1.42	1.05	0.89	0.28	-0.34	-0.76	-1.17	-1.31	-1.33	-1.28	-0.92	-0.75	-0.35	0.02	0.50	0.92	1.16	1.60	2.45	2.49	0.43	2.49	-1.33
22	1.89	1.22	1.11	0.98	1.34	1.15	1.12	0.38	-0.36	-0.52	-0.84	-1.02	-0.80	-0.51	-0.41	-0.32	-0.12	0.19	0.42	0.47	0.57	0.73	0.48	1.55	0.36	1.89	-1.02
23	0.76	1.42	1.21	1.57	1.47	1.41	1.27	0.23	-0.09	-0.49	-0.91	-0.95	-1.06	-1.09	-0.86	-0.42	0.35	0.17	0.15	0.75	0.48	0.77	0.68	1.04	0.33	1.57	-1.09
24	0.98	0.98	1.30	1.21	1.11	1.55	1.64	0.30	-0.06	-0.38	-0.81	-1.01	-0.95	-1.01	-0.91	-0.70	-0.29	0.54	1.15	1.48	1.84	3.15	3.04	2.26	0.68	3.15	-1.01
25	2.50	2.47	1.55	1.26	1.89	1.94	1.86	0.30	-0.25	-0.52	-0.87	-1.09	-1.12	-1.09	-0.93	-0.65	-0.22	0.68	2.12	1.82	1.61	2.34	1.68	1.57	0.79	2.50	-1.12
26	1.55	2.52	2.97	2.98	2.25	1.94	1.44	0.41	-0.41	-0.71	-1.01	-0.37	-0.79	-0.86	-1.09	-0.90	-0.61	0.33	0.89	0.99	0.74	1.80	0.47	0.24	0.62	2.98	-1.09
27	0.12	0.00	0.02	-0.01	-0.01	-0.01	0.07	0.04	0.00	-0.08	-0.10	-0.13	-0.16	-0.11	-0.07	-0.18	-0.09	-0.04	-0.01	0.02	0.00	0.02	-0.03	-0.05	-0.03	0.12	-0.18
28	-0.02	0.00	-0.05	-0.04	-0.02	-0.04	-0.01	-0.05	-0.06	-0.06	-0.08	-0.17	-0.24	-0.26	-0.28	-0.27	-0.15	-0.06	-0.02	0.08	0.04	0.07	-0.02	-0.03	-0.07	0.08	-0.28
29	-0.04	0.00	-0.02	-0.04	-0.04	0.01	0.17	0.05	-0.32	-0.73	-0.85	-0.89	-0.75	-0.49	-0.53	-0.18	-0.10	0.17	0.33	0.57	0.74	0.35	0.34	0.12	-0.09	0.74	-0.89
30	0.07	0.19	0.23	0.05	0.03	0.14	0.15	0.02	-0.01	-0.14	-0.16	-0.26	-0.29	-0.37	-0.47	-0.37	-0.16	0.10	0.19	0.10	0.07	0.05	-0.01	-0.02	-0.04	0.23	-0.47
Avg	0.92	0.99	0.88	0.88	0.91	0.99	0.81	0.02	-0.28	-0.48	-0.70	-0.79	-0.81	-0.78	-0.73	-0.56	-0.32	0.05	0.63	0.65	0.64	0.74	0.88	0.97	0.23	1.54	-0.91
Max	2.50	2.52	2.97	2.98	2.25	2.03	1.86	0.86	0.27	-0.06	-0.08	-0.13	-0.16	-0.11	-0.07	-0.03	0.35	0.68	2.12	1.82	1.84	3.15	3.04	2.49	0.79	3.15	-0.18
Min	-0.13	-0.17	-0.13	-0.18	-0.12	-0.09	-0.21	-0.41	-0.78	-1.01	-1.17	-1.31	-1.33	-1.28	-1.10	-1.15	-0.71	-0.40	-0.25	-0.17	-0.16	-0.14	-0.15	-0.15	-0.46	-0.09	-1.33

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m²)
July 2014

Day	<< Hour >>																								Avg	Max	Min	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
1	0	0	0	0	5	88	239	406	582	745	813	657	297	101	264	687	579	377	155	69	4	0	0	0	253	813	0	
2	0	0	0	0	5	90	249	426	599	755	865	935	948	925	843	722	551	405	196	43	4	0	0	0	357	948	0	
3	0	0	0	0	3	29	201	426	590	719	857	918	821	926	550	44	144	55	100	38	4	0	0	0	268	926	0	
4	0	0	0	0	7	85	216	233	303	369	633	826	904	918	847	259	97	111	149	66	2	0	0	0	251	918	0	
5	0	0	0	0	4	52	168	251	232	292	635	545	622	816	770	636	421	398	164	65	4	0	0	0	253	816	0	
6	0	0	0	0	5	95	254	433	594	746	853	924	951	911	773	554	545	494	226	64	3	0	0	0	351	951	0	
7	0	0	0	0	3	94	132	203	370	351	752	630	664	683	741	655	655	426	238	81	3	0	0	0	278	752	0	
8	0	0	0	0	3	82	246	419	587	738	849	923	893	895	850	753	586	414	238	76	3	0	0	0	356	923	0	
9	0	0	0	0	3	82	241	415	585	740	867	845	397	549	741	493	254	178	81	34	1	0	0	0	271	867	0	
10	0	0	0	0	3	87	245	421	594	742	825	942	964	933	868	750	558	389	242	79	3	0	0	0	360	964	0	
11	0	0	0	0	3	60	225	414	353	304	663	492	885	727	808	584	584	258	81	51	2	0	0	0	271	885	0	
12	0	0	0	0	3	73	231	408	579	738	854	882	817	946	860	737	580	422	244	97	4	0	0	0	353	946	0	
13	0	0	0	0	3	74	230	404	572	726	839	912	951	956	796	671	573	398	209	76	2	0	0	0	350	956	0	
14	0	0	0	0	6	69	206	386	562	720	828	754	877	612	681	351	323	404	215	40	1	0	0	0	293	877	0	
15	0	0	0	0	0	8	141	173	408	531	227	177	295	707	56	91	64	162	113	70	1	0	0	0	134	707	0	
16	0	0	0	0	1	37	111	237	454	733	849	924	951	911	776	613	435	301	147	41	2	0	0	0	313	951	0	
17	0	0	0	0	2	51	169	314	494	651	759	844	840	703	774	708	530	343	189	38	1	0	0	0	309	844	0	
18	0	0	0	0	2	44	132	190	231	288	401	436	598	157	320	376	313	225	88	15	0	0	0	0	159	598	0	
19	0	0	0	0	1	41	125	197	298	588	739	874	889	866	619	587	546	363	190	38	1	0	0	0	290	889	0	
20	0	0	0	0	1	65	217	390	564	718	821	905	947	957	827	528	563	389	216	61	1	0	0	0	340	957	0	
21	0	0	0	0	0	13	11	59	295	636	357	423	193	90	430	721	515	378	150	45	1	0	0	0	180	721	0	
22	0	0	0	0	0	18	17	22	61	397	696	920	881	800	542	248	41	131	200	38	0	0	0	0	209	920	0	
23	0	0	0	0	1	27	122	326	526	699	820	824	822	790	643	589	523	387	101	3	0	0	0	0	300	824	0	
24	0	0	0	0	1	52	215	382	552	706	824	812	786	787	823	725	567	402	223	59	1	0	0	0	330	824	0	
25	0	0	0	0	1	55	217	395	568	726	842	918	946	918	844	726	572	399	220	57	1	0	0	0	350	946	0	
26	0	0	0	0	1	58	216	394	569	723	837	914	941	911	837	716	561	392	217	55	1	0	0	0	348	941	0	
27	0	0	0	0	1	51	210	389	564	720	838	910	935	909	833	714	560	389	145	24	0	0	0	0	341	935	0	
28	0	0	0	0	2	32	208	351	321	709	748	772	943	893	625	407	305	220	73	23	1	0	0	0	276	943	0	
29	0	0	0	0	0	31	185	265	190	462	803	883	942	648	60	92	161	273	107	24	0	0	0	0	214	942	0	
30	0	0	0	0	1	57	201	351	544	697	815	890	786	819	739	230	253	342	176	22	0	0	0	0	288	890	0	
31	0	0	0	0	0	40	206	345	531	697	821	899	912	916	858	455	454	348	129	38	0	0	0	0	319	916	0	
Avg	0	0	0	0	2	56	187	323	460	625	753	791	793	764	677	530	433	328	168	49	2	0	0	0	0	289	880	0
Max	0	0	0	0	7	95	254	433	599	755	867	942	964	957	868	753	655	494	244	97	4	0	0	0	0	360	964	0
Min	0	0	0	0	0	8	11	22	61	288	227	177	193	90	56	44	41	55	73	3	0	0	0	0	0	134	598	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m²)
August 2014

Day	<< Hour >>																								Avg	Max	Min	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
1	0	0	0	0	0	44	202	304	351	636	792	950	721	124	149	582	533	232	147	12	0	0	0	0	241	950	0	
2	0	0	0	0	0	34	112	242	558	590	797	755	496	380	422	189	165	89	98	15	0	0	0	0	206	797	0	
3	0	0	0	0	0	19	155	213	425	615	724	799	855	779	516	402	439	263	79	30	0	0	0	0	263	855	0	
4	0	0	0	0	0	24	106	201	409	554	614	651	610	405	80	14	17	13	28	9	0	0	0	0	156	651	0	
5	0	0	0	0	0	8	75	293	446	647	744	769	536	577	536	397	484	305	147	22	0	0	0	0	249	769	0	
6	0	0	0	0	0	23	145	291	475	621	685	838	917	809	678	506	584	396	188	25	0	0	0	0	299	917	0	
7	0	0	0	0	0	23	102	276	538	653	764	844	884	855	780	676	390	232	154	28	0	0	0	0	300	884	0	
8	0	0	0	0	0	18	152	287	500	602	763	840	418	319	272	302	189	169	87	8	0	0	0	0	205	840	0	
9	0	0	0	0	0	22	150	312	492	650	787	865	910	853	805	672	493	297	112	10	0	0	0	0	310	910	0	
10	0	0	0	0	0	19	148	319	496	645	760	818	893	866	768	640	456	265	88	16	0	0	0	0	300	893	0	
11	0	0	0	0	0	22	145	308	467	634	748	777	853	815	742	612	463	300	128	15	0	0	0	0	293	853	0	
12	0	0	0	0	0	28	123	279	482	648	775	849	889	691	478	127	85	152	30	3	0	0	0	0	235	889	0	
13	0	0	0	0	0	4	35	235	500	576	732	867	869	781	781	523	496	225	36	1	0	0	0	0	278	869	0	
14	0	0	0	0	0	5	31	110	138	326	305	362	297	479	728	648	533	326	50	6	0	0	0	0	181	728	0	
15	0	0	0	0	0	7	78	301	484	642	650	781	717	541	300	305	209	219	95	4	0	0	0	0	222	781	0	
16	0	0	0	0	0	10	128	295	362	427	459	632	886	838	703	661	495	317	126	10	0	0	0	0	265	886	0	
17	0	0	0	0	0	7	67	244	306	500	777	613	744	674	453	435	230	233	76	9	0	0	0	0	224	777	0	
18	0	0	0	0	0	8	129	302	480	634	773	813	849	795	721	613	391	188	116	8	0	0	0	0	284	849	0	
19	0	0	0	0	0	11	127	296	480	633	753	824	850	806	644	238	234	51	23	7	0	0	0	0	249	850	0	
20	0	0	0	0	0	12	102	191	298	259	742	766	630	351	550	166	110	112	48	4	0	0	0	0	181	766	0	
21	0	0	0	0	0	7	58	168	199	420	500	373	249	359	586	297	121	75	34	3	0	0	0	0	144	586	0	
22	0	0	0	0	0	1	16	60	135	252	272	188	304	313	600	201	238	35	7	0	0	0	0	0	109	600	0	
23	0	0	0	0	0	0	11	28	56	64	63	109	245	215	263	243	145	72	27	1	0	0	0	0	64	263	0	
24	0	0	0	0	0	1	16	61	127	241	264	354	415	291	291	120	114	183	37	2	0	0	0	0	105	415	0	
25	0	0	0	0	0	2	60	137	236	460	630	552	681	649	542	481	285	242	101	3	0	0	0	0	211	681	0	
26	0	0	0	0	0	4	117	293	469	626	751	860	861	817	732	562	300	236	87	2	0	0	0	0	280	861	0	
27	0	0	0	0	0	4	113	288	465	622	746	822	840	805	717	590	431	255	71	2	0	0	0	0	282	840	0	
28	0	0	0	0	0	3	113	283	454	612	741	736	662	821	737	481	388	170	47	0	0	0	0	0	260	821	0	
29	0	0	0	0	0	3	92	284	459	614	736	812	836	809	704	495	435	245	72	1	0	0	0	0	275	836	0	
30	0	0	0	0	0	0	23	93	183	271	428	627	444	132	167	91	124	198	38	1	0	0	0	0	118	627	0	
31	0	0	0	0	0	2	33	222	385	494	405	293	383	739	271	377	151	110	26	0	0	0	0	0	162	739	0	
Avg	0	0	0	0	0	12	96	233	382	522	635	682	669	603	539	408	314	200	78	8	0	0	0	0	0	224	774	0
Max	0	0	0	0	0	44	202	319	558	653	797	950	917	866	805	676	584	396	188	30	0	0	0	0	0	310	950	0
Min	0	0	0	0	0	0	11	28	56	64	63	109	245	124	80	14	17	13	7	0	0	0	0	0	0	64	263	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m²)
September 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	0	0	0	0	0	2	50	254	436	622	753	553	462	618	567	558	415	235	57	1	0	0	0	0	233	753	0
2	0	0	0	0	0	2	53	217	365	640	708	812	813	750	689	553	393	227	54	0	0	0	0	0	262	813	0
3	0	0	0	0	0	2	44	226	444	498	340	297	699	727	643	483	425	217	51	0	0	0	0	0	212	727	0
4	0	0	0	0	0	0	24	72	205	340	397	516	325	278	460	504	297	228	48	0	0	0	0	0	154	516	0
5	0	0	0	0	0	2	100	270	441	603	729	800	817	783	691	563	401	218	45	0	0	0	0	0	269	817	0
6	0	0	0	0	0	2	97	268	443	602	728	801	818	780	687	556	393	212	42	0	0	0	0	0	268	818	0
7	0	0	0	0	0	2	76	254	432	592	721	798	814	776	681	533	365	194	37	0	0	0	0	0	261	814	0
8	0	0	0	0	0	1	66	238	411	559	700	776	797	757	663	527	361	181	31	0	0	0	0	0	253	797	0
9	0	0	0	0	0	0	29	114	288	408	472	538	560	396	560	434	195	61	5	0	0	0	0	0	169	560	0
10	0	0	0	0	0	0	9	26	112	75	164	315	150	153	319	164	87	40	13	0	0	0	0	0	68	319	0
11	0	0	0	0	0	0	23	124	348	273	238	383	284	224	292	246	141	87	18	0	0	0	0	0	112	383	0
12	0	0	0	0	0	1	58	242	428	585	697	710	753	763	667	411	383	184	24	0	0	0	0	0	246	763	0
13	0	0	0	0	0	0	66	179	375	452	513	578	622	385	423	497	346	160	14	0	0	0	0	0	192	622	0
14	0	0	0	0	0	0	66	236	403	558	683	755	770	728	636	502	337	163	16	0	0	0	0	0	244	770	0
15	0	0	0	0	0	0	60	231	401	559	686	760	779	736	639	498	334	156	14	0	0	0	0	0	244	779	0
16	0	0	0	0	0	1	28	184	367	514	528	665	465	317	298	276	143	59	5	0	0	0	0	0	160	665	0
17	0	0	0	0	0	0	44	195	324	498	640	674	710	515	334	182	131	50	3	0	0	0	0	0	179	710	0
18	0	0	0	0	0	0	4	9	30	211	486	186	247	267	422	264	192	107	6	0	0	0	0	0	101	486	0
19	0	0	0	0	0	0	33	100	112	151	440	683	620	573	238	114	97	69	9	0	0	0	0	0	135	683	0
20	0	0	0	0	0	0	29	211	375	530	540	744	735	688	594	461	297	126	6	0	0	0	0	0	222	744	0
21	0	0	0	0	0	0	45	211	375	526	649	716	730	689	585	420	257	86	5	0	0	0	0	0	221	730	0
22	0	0	0	0	0	0	24	185	359	514	656	749	394	267	225	183	106	50	3	0	0	0	0	0	155	749	0
23	0	0	0	0	0	0	31	177	352	505	633	664	709	633	552	269	38	69	3	0	0	0	0	0	193	709	0
24	0	0	0	0	0	0	25	117	271	475	637	684	711	665	569	432	266	99	3	0	0	0	0	0	206	711	0
25	0	0	0	0	0	0	30	188	362	517	637	704	711	663	567	432	267	97	2	0	0	0	0	0	216	711	0
26	0	0	0	0	0	0	23	194	339	490	535	218	399	465	537	407	266	52	1	0	0	0	0	0	164	537	0
27	0	0	0	0	0	0	1	12	43	80	83	91	72	42	31	80	30	9	0	0	0	0	0	0	24	91	0
28	0	0	0	0	0	0	6	28	28	26	75	128	144	87	76	91	75	14	0	0	0	0	0	0	32	144	0
29	0	0	0	0	0	0	7	31	182	366	529	541	387	391	329	112	77	38	0	0	0	0	0	0	125	541	0
30	0	0	0	0	0	0	5	43	52	86	92	138	154	222	306	241	119	30	0	0	0	0	0	0	62	306	0
Avg	0	0	0	0	0	1	39	161	303	429	523	566	555	511	476	366	241	117	17	0	0	0	0	0	179	626	0
Max	0	0	0	0	0	2	100	270	444	640	753	812	818	783	691	563	425	235	57	1	0	0	0	0	269	818	0
Min	0	0	0	0	0	0	1	9	28	26	75	91	72	42	31	80	30	9	0	0	0	0	0	0	24	91	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
July 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	24.65	24.64	24.64	24.64	24.65	24.66	24.67	24.68	24.67	24.66	24.66	24.65	24.65	24.65	24.65	24.64	24.63	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.64	24.68	24.62
2	24.61	24.60	24.60	24.59	24.59	24.60	24.59	24.58	24.58	24.56	24.55	24.55	24.54	24.54	24.53	24.51	24.50	24.49	24.49	24.49	24.50	24.50	24.52	24.52	24.55	24.61	24.49
3	24.52	24.53	24.51	24.49	24.50	24.50	24.50	24.50	24.49	24.48	24.47	24.48	24.47	24.46	24.45	24.46	24.43	24.44	24.45	24.46	24.47	24.50	24.50	24.50	24.48	24.48	24.43
4	24.50	24.50	24.51	24.51	24.50	24.52	24.52	24.52	24.52	24.53	24.52	24.52	24.50	24.49	24.48	24.48	24.49	24.49	24.49	24.48	24.48	24.48	24.50	24.51	24.51	24.50	24.48
5	24.51	24.51	24.50	24.50	24.51	24.52	24.53	24.54	24.55	24.56	24.56	24.56	24.56	24.55	24.55	24.55	24.56	24.56	24.57	24.58	24.59	24.60	24.61	24.61	24.55	24.61	24.50
6	24.61	24.61	24.61	24.62	24.62	24.63	24.64	24.63	24.62	24.62	24.60	24.59	24.58	24.56	24.56	24.55	24.55	24.54	24.53	24.52	24.53	24.54	24.54	24.54	24.58	24.64	24.52
7	24.54	24.55	24.55	24.56	24.57	24.60	24.62	24.64	24.64	24.64	24.64	24.64	24.64	24.64	24.64	24.64	24.63	24.62	24.62	24.62	24.63	24.64	24.64	24.64	24.62	24.64	24.54
8	24.64	24.64	24.63	24.63	24.63	24.63	24.63	24.62	24.61	24.60	24.60	24.59	24.58	24.56	24.55	24.54	24.53	24.52	24.51	24.51	24.52	24.53	24.53	24.52	24.58	24.64	24.51
9	24.52	24.51	24.51	24.51	24.51	24.51	24.51	24.50	24.48	24.48	24.47	24.46	24.45	24.44	24.44	24.42	24.41	24.41	24.40	24.40	24.41	24.42	24.42	24.42	24.46	24.52	24.40
10	24.41	24.41	24.41	24.42	24.43	24.44	24.45	24.45	24.46	24.45	24.45	24.44	24.43	24.41	24.40	24.40	24.39	24.38	24.39	24.40	24.43	24.45	24.46	24.47	24.43	24.47	24.38
11	24.47	24.48	24.49	24.51	24.54	24.57	24.58	24.59	24.59	24.60	24.60	24.60	24.59	24.58	24.57	24.57	24.56	24.56	24.57	24.59	24.60	24.61	24.63	24.63	24.57	24.63	24.47
12	24.64	24.64	24.66	24.66	24.66	24.68	24.68	24.69	24.69	24.69	24.69	24.69	24.69	24.68	24.67	24.67	24.67	24.67	24.67	24.69	24.70	24.71	24.71	24.72	24.68	24.72	24.64
13	24.72	24.72	24.72	24.72	24.72	24.73	24.74	24.73	24.72	24.71	24.71	24.70	24.69	24.68	24.67	24.67	24.67	24.67	24.67	24.68	24.71	24.73	24.74	24.73	24.71	24.74	24.67
14	24.74	24.73	24.73	24.73	24.73	24.74	24.75	24.74	24.74	24.72	24.72	24.71	24.70	24.68	24.67	24.67	24.67	24.61	24.61	24.62	24.62	24.61	24.61	24.61	24.68	24.75	24.61
15	24.60	24.63	24.60	24.61	24.59	24.59	24.59	24.60	24.59	24.58	24.58	24.57	24.57	24.57	24.57	24.58	24.57	24.56	24.56	24.56	24.57	24.57	24.56	24.56	24.58	24.63	24.56
16	24.56	24.56	24.55	24.55	24.56	24.56	24.56	24.57	24.56	24.56	24.55	24.54	24.53	24.52	24.51	24.50	24.49	24.49	24.49	24.49	24.50	24.51	24.52	24.51	24.53	24.57	24.49
17	24.50	24.49	24.49	24.49	24.48	24.48	24.49	24.49	24.48	24.47	24.46	24.45	24.43	24.42	24.40	24.39	24.36	24.35	24.34	24.34	24.33	24.34	24.37	24.38	24.43	24.50	24.33
18	24.40	24.42	24.43	24.43	24.44	24.45	24.45	24.46	24.46	24.45	24.45	24.45	24.44	24.43	24.42	24.41	24.40	24.40	24.40	24.43	24.44	24.44	24.44	24.43	24.44	24.46	24.40
19	24.43	24.43	24.42	24.42	24.42	24.42	24.43	24.43	24.43	24.41	24.41	24.41	24.40	24.39	24.38	24.38	24.38	24.38	24.37	24.38	24.39	24.40	24.40	24.39	24.40	24.43	24.37
20	24.39	24.39	24.38	24.38	24.38	24.39	24.40	24.40	24.40	24.39	24.39	24.38	24.38	24.37	24.36	24.35	24.35	24.34	24.34	24.35	24.36	24.37	24.37	24.38	24.37	24.40	24.34
21	24.38	24.38	24.37	24.37	24.37	24.38	24.38	24.38	24.38	24.37	24.37	24.37	24.36	24.35	24.34	24.33	24.33	24.33	24.33	24.35	24.36	24.37	24.37	24.38	24.37	24.40	24.34
22	24.62	24.62	24.62	24.62	24.62	24.64	24.66	24.67	24.68	24.68	24.68	24.68	24.67	24.67	24.66	24.65	24.66	24.66	24.66	24.66	24.68	24.69	24.70	24.69	24.66	24.70	24.62
23	24.67	24.67	24.65	24.62	24.62	24.66	24.64	24.64	24.63	24.60	24.59	24.59	24.57	24.56	24.55	24.53	24.51	24.48	24.45	24.45	24.46	24.46	24.44	24.43	24.56	24.67	24.43
24	24.42	24.41	24.42	24.41	24.41	24.41	24.42	24.41	24.40	24.40	24.40	24.40	24.40	24.40	24.45	24.46	24.44	24.44	24.44	24.45	24.47	24.48	24.49	24.50	24.43	24.50	24.40
25	24.49	24.49	24.48	24.48	24.48	24.49	24.50	24.50	24.49	24.48	24.47	24.47	24.46	24.46	24.45	24.44	24.44	24.45	24.46	24.48	24.49	24.52	24.52	24.53	24.48	24.53	24.44
26	24.53	24.54	24.55	24.56	24.57	24.58	24.60	24.61	24.62	24.62	24.63	24.63	24.63	24.63	24.63	24.63	24.62	24.63	24.63	24.65	24.67	24.68	24.69	24.70	24.62	24.70	24.53
27	24.71	24.72	24.72	24.72	24.72	24.73	24.74	24.75	24.74	24.74	24.74	24.73	24.72	24.72	24.71	24.70	24.69	24.68	24.68	24.68	24.70	24.71	24.71	24.71	24.72	24.75	24.68
28	24.72	24.72	24.72	24.72	24.72	24.72	24.73	24.73	24.72	24.71	24.70	24.69	24.69	24.69	24.67	24.67	24.67	24.66	24.65	24.65	24.66	24.67	24.67	24.67	24.69	24.73	24.65
29	24.68	24.68	24.68	24.68	24.69	24.69	24.70	24.70	24.70	24.70	24.70	24.68	24.67	24.66	24.66	24.69	24.69	24.68	24.65	24.65	24.66	24.67	24.68	24.68	24.68	24.70	24.65
30	24.68	24.68	24.68	24.68	24.69	24.69	24.70	24.70	24.69	24.68	24.67	24.67	24.65	24.64	24.63	24.62	24.62	24.62	24.62	24.63	24.65	24.66	24.66	24.65	24.66	24.70	24.62
31	24.65	24.65	24.65	24.65	24.65	24.65	24.66	24.66	24.66	24.65	24.64	24.63	24.62	24.61	24.61	24.60	24.60	24.61	24.62	24.63	24.64	24.66	24.66	24.65	24.64	24.66	24.60
Avg	24.56	24.57	24.56	24.56	24.57	24.58	24.58	24.58	24.57	24.57	24.57	24.56	24.56	24.55	24.55	24.54	24.54	24.53	24.53	24.54	24.55	24.56	24.57	24.56	24.56	24.61	24.51
Max	24.74	24.73	24.73	24.73	24.73	24.74	24.75	24.75	24.74	24.74	24.74	24.73	24.72	24.72	24.71	24.70	24.69	24.68	24.68	24.69	24.71	24.73	24.74	24.73	24.72	24.75	24.68
Min	24.38	24.38	24.37	24.37	24.38	24.39	24.40	24.40	24.40	24.39	24.39	24.38	24.38	24.37	24.36	24.35	24.35	24.34	24.34	24.34	24.33	24.34	24.37	24.37	24.37	24.40	24.33

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
August 2014

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

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
September 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	24.40	24.40	24.41	24.41	24.41	24.42	24.43	24.45	24.45	24.44	24.44	24.44	24.44	24.43	24.42	24.42	24.41	24.41	24.41	24.42	24.42	24.42	24.42	24.41	24.42	24.45	24.40
2	24.41	24.40	24.40	24.40	24.39	24.39	24.39	24.40	24.40	24.39	24.37	24.35	24.33	24.31	24.30	24.27	24.26	24.25	24.24	24.25	24.26	24.25	24.25	24.23	24.33	24.41	24.23
3	24.21	24.20	24.19	24.17	24.16	24.15	24.17	24.19	24.21	24.22	24.24	24.27	24.28	24.29	24.31	24.32	24.34	24.36	24.37	24.39	24.42	24.44	24.46	24.47	24.28	24.47	24.15
4	24.48	24.49	24.50	24.50	24.51	24.52	24.54	24.56	24.58	24.59	24.59	24.58	24.57	24.58	24.57	24.57	24.57	24.57	24.58	24.58	24.60	24.60	24.60	24.61	24.56	24.61	24.48
5	24.61	24.60	24.61	24.62	24.63	24.64	24.66	24.69	24.69	24.69	24.69	24.68	24.67	24.66	24.65	24.65	24.65	24.64	24.64	24.65	24.65	24.66	24.66	24.65	24.65	24.69	24.60
6	24.65	24.65	24.65	24.65	24.65	24.65	24.66	24.68	24.68	24.67	24.66	24.65	24.64	24.62	24.60	24.58	24.57	24.55	24.55	24.54	24.55	24.54	24.53	24.52	24.61	24.68	24.52
7	24.51	24.50	24.49	24.47	24.46	24.45	24.45	24.46	24.46	24.45	24.43	24.42	24.41	24.40	24.39	24.38	24.37	24.37	24.36	24.37	24.37	24.37	24.37	24.37	24.42	24.51	24.36
8	24.36	24.36	24.35	24.35	24.34	24.33	24.34	24.35	24.35	24.34	24.34	24.33	24.32	24.31	24.30	24.29	24.28	24.28	24.30	24.31	24.33	24.36	24.37	24.38	24.33	24.38	24.28
9	24.39	24.39	24.39	24.39	24.39	24.40	24.41	24.42	24.43	24.43	24.43	24.43	24.43	24.43	24.43	24.44	24.45	24.47	24.48	24.50	24.51	24.51	24.50	24.50	24.44	24.51	24.39
10	24.50	24.49	24.48	24.48	24.48	24.48	24.48	24.47	24.48	24.49	24.50	24.50	24.50	24.50	24.51	24.52	24.54	24.57	24.60	24.62	24.64	24.65	24.67	24.67	24.53	24.67	24.47
11	24.68	24.68	24.68	24.69	24.70	24.71	24.73	24.74	24.76	24.77	24.77	24.77	24.77	24.77	24.77	24.77	24.76	24.75	24.75	24.75	24.74	24.73	24.72	24.72	24.74	24.77	24.68
12	24.71	24.70	24.69	24.69	24.68	24.67	24.66	24.65	24.64	24.63	24.62	24.59	24.56	24.55	24.53	24.52	24.51	24.50	24.48	24.48	24.49	24.50	24.51	24.52	24.59	24.71	24.48
13	24.53	24.53	24.54	24.55	24.56	24.57	24.58	24.59	24.60	24.60	24.58	24.57	24.55	24.54	24.53	24.52	24.51	24.50	24.50	24.50	24.50	24.50	24.49	24.49	24.54	24.60	24.49
14	24.48	24.47	24.47	24.47	24.46	24.46	24.48	24.50	24.51	24.51	24.51	24.51	24.51	24.51	24.52	24.52	24.53	24.53	24.54	24.55	24.57	24.58	24.59	24.59	24.52	24.59	24.46
15	24.60	24.59	24.59	24.58	24.57	24.57	24.57	24.58	24.58	24.56	24.56	24.56	24.55	24.54	24.53	24.52	24.52	24.52	24.52	24.53	24.54	24.54	24.54	24.54	24.55	24.60	24.52
16	24.53	24.53	24.52	24.51	24.51	24.52	24.52	24.52	24.53	24.51	24.50	24.50	24.50	24.48	24.48	24.47	24.46	24.46	24.45	24.46	24.46	24.47	24.47	24.47	24.49	24.53	24.45
17	24.47	24.47	24.45	24.45	24.45	24.45	24.45	24.45	24.44	24.44	24.43	24.43	24.42	24.40	24.40	24.39	24.38	24.38	24.38	24.37	24.38	24.37	24.37	24.36	24.42	24.47	24.36
18	24.35	24.35	24.33	24.32	24.32	24.31	24.32	24.35	24.37	24.37	24.34	24.34	24.34	24.32	24.30	24.29	24.29	24.28	24.29	24.30	24.31	24.33	24.33	24.33	24.32	24.37	24.28
19	24.34	24.34	24.35	24.35	24.35	24.36	24.38	24.40	24.41	24.43	24.43	24.42	24.42	24.42	24.43	24.44	24.45	24.46	24.47	24.49	24.50	24.52	24.53	24.54	24.43	24.54	24.34
20	24.55	24.57	24.58	24.59	24.60	24.62	24.65	24.67	24.68	24.67	24.67	24.67	24.67	24.67	24.65	24.64	24.64	24.64	24.65	24.67	24.68	24.69	24.70	24.70	24.65	24.70	24.55
21	24.70	24.69	24.69	24.68	24.68	24.68	24.67	24.68	24.67	24.66	24.65	24.64	24.62	24.61	24.59	24.58	24.57	24.57	24.57	24.57	24.56	24.55	24.54	24.52	24.62	24.70	24.52
22	24.51	24.51	24.49	24.48	24.49	24.48	24.48	24.49	24.49	24.48	24.46	24.46	24.46	24.46	24.45	24.45	24.45	24.45	24.46	24.47	24.48	24.48	24.48	24.48	24.47	24.51	24.45
23	24.48	24.49	24.49	24.50	24.50	24.50	24.51	24.53	24.54	24.54	24.53	24.51	24.50	24.50	24.49	24.48	24.51	24.52	24.51	24.52	24.52	24.53	24.53	24.52	24.51	24.54	24.48
24	24.52	24.51	24.50	24.50	24.51	24.50	24.51	24.51	24.52	24.51	24.50	24.50	24.48	24.47	24.46	24.45	24.44	24.44	24.45	24.46	24.46	24.47	24.47	24.46	24.48	24.52	24.44
25	24.47	24.47	24.47	24.47	24.48	24.47	24.48	24.49	24.48	24.47	24.46	24.44	24.42	24.40	24.38	24.36	24.35	24.34	24.34	24.35	24.35	24.34	24.32	24.32	24.41	24.49	24.32
26	24.32	24.31	24.31	24.34	24.36	24.36	24.38	24.41	24.42	24.42	24.43	24.44	24.44	24.45	24.44	24.44	24.45	24.46	24.47	24.48	24.49	24.50	24.50	24.52	24.42	24.52	24.31
27	24.52	24.52	24.50	24.50	24.51	24.50	24.51	24.52	24.52	24.53	24.55	24.55	24.55	24.55	24.56	24.56	24.57	24.57	24.58	24.59	24.60	24.59	24.60	24.61	24.55	24.61	24.50
28	24.61	24.61	24.61	24.60	24.59	24.59	24.59	24.60	24.60	24.61	24.60	24.60	24.58	24.56	24.56	24.55	24.54	24.54	24.54	24.52	24.50	24.49	24.50	24.48	24.56	24.61	24.48
29	24.48	24.46	24.44	24.44	24.42	24.40	24.39	24.39	24.38	24.37	24.36	24.34	24.32	24.30	24.28	24.27	24.26	24.26	24.26	24.25	24.24	24.23	24.22	24.23	24.33	24.48	24.22
30	24.24	24.24	24.22	24.21	24.21	24.21	24.21	24.21	24.22	24.22	24.22	24.22	24.22	24.22	24.21	24.21	24.21	24.22	24.23	24.26	24.28	24.30	24.31	24.32	24.24	24.32	24.21
Avg	24.49	24.48	24.48	24.48	24.48	24.48	24.49	24.50	24.50	24.50	24.50	24.49	24.48	24.48	24.47	24.46	24.46	24.46	24.47	24.47	24.48	24.48	24.49	24.48	24.48	24.55	24.41
Max	24.71	24.70	24.69	24.69	24.70	24.71	24.73	24.74	24.76	24.77	24.77	24.77	24.77	24.77	24.77	24.77	24.76	24.75	24.75	24.75	24.74	24.73	24.72	24.72	24.74	24.77	24.68
Min	24.21	24.20	24.19	24.17	24.16	24.15	24.17	24.19	24.21	24.22	24.22	24.22	24.22	24.22	24.21	24.21	24.21	24.22	24.23	24.24	24.25	24.24	24.23	24.22	24.23	24.24	24.15

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
July 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	94.5	97.2	98.0	97.6	98.2	95.9	89.3	73.1	62.5	55.7	51.8	47.8	51.0	55.6	47.1	42.4	36.3	42.4	50.8	56.3	61.7	69.2	75.6	71.2	67.5	98.2	36.3
2	70.3	72.4	82.7	89.7	94.0	90.9	80.5	55.0	48.4	40.4	38.2	37.0	37.5	37.7	37.3	36.8	36.5	38.5	43.0	47.2	46.5	48.3	46.8	48.1	54.3	94.0	36.5
3	49.0	59.1	68.0	70.6	76.8	80.2	76.7	54.1	45.3	40.4	36.8	37.9	34.8	30.5	30.3	40.9	37.0	47.3	52.6	47.8	51.5	61.8	57.5	48.8	51.5	80.2	30.3
4	57.4	68.7	76.1	77.0	80.6	85.2	77.3	73.9	66.1	59.0	41.6	35.8	32.7	29.3	29.3	38.4	57.1	56.8	51.0	50.9	66.6	74.4	72.9	79.5	59.9	85.2	29.3
5	81.5	82.1	88.1	89.5	89.7	91.1	84.9	74.4	71.0	54.1	40.1	38.9	40.6	34.7	30.2	29.2	30.8	30.2	32.1	38.3	43.8	60.2	68.9	70.9	58.1	91.1	29.2
6	75.2	85.2	86.3	89.7	90.9	83.0	70.7	55.3	41.7	36.0	35.8	34.1	31.9	29.6	28.5	27.5	27.9	25.5	31.5	32.3	42.2	56.1	68.5	73.0	52.4	90.9	25.5
7	82.2	84.1	88.9	90.6	94.0	81.1	75.9	74.8	70.5	62.4	60.1	58.2	56.4	50.2	46.0	45.6	43.0	43.3	45.7	51.1	63.0	75.0	82.5	88.6	67.2	94.0	43.0
8	92.0	93.5	94.6	90.6	89.6	86.2	77.6	61.5	52.7	48.5	44.7	40.8	37.5	35.1	33.6	31.7	29.4	29.7	27.8	41.6	51.8	55.9	53.7	52.4	56.4	94.6	27.8
9	60.6	71.1	79.4	83.8	84.9	83.1	77.6	60.4	46.8	42.8	39.4	37.9	40.7	39.2	37.0	37.0	43.4	47.5	53.0	50.8	52.9	67.5	62.0	63.2	56.8	84.9	37.0
10	66.9	80.8	87.0	90.6	93.6	87.8	77.7	66.5	48.0	46.0	39.7	31.6	26.8	25.3	27.7	28.6	28.1	26.3	28.9	36.0	47.8	58.0	66.5	69.5	53.6	93.6	25.3
11	77.6	82.8	84.4	86.1	84.9	81.6	78.8	68.3	73.3	78.9	72.0	65.3	55.5	52.7	47.3	44.8	40.3	42.0	50.3	56.9	66.3	70.6	71.0	76.3	67.0	86.1	40.3
12	83.9	86.8	91.3	88.4	88.1	88.5	77.4	67.8	59.0	50.0	36.4	34.2	33.6	30.0	29.2	28.7	29.1	32.1	34.4	33.3	37.9	53.5	63.1	70.7	55.3	91.3	28.7
13	74.1	82.5	80.2	83.4	86.4	85.2	77.6	60.2	43.2	33.1	28.8	29.6	27.2	27.6	28.0	28.0	27.0	27.6	29.4	33.0	38.0	55.3	61.8	62.7	50.4	86.4	27.0
14	67.2	74.1	80.5	82.7	84.1	81.5	72.6	60.1	57.3	53.5	46.6	46.6	42.4	39.6	37.0	40.4	40.9	40.3	40.0	43.2	45.0	46.4	48.5	49.2	55.0	84.1	37.0
15	46.8	61.7	89.9	92.8	94.6	95.7	92.8	88.0	83.6	71.7	76.9	84.3	84.0	73.6	84.3	89.3	92.5	89.7	86.5	86.3	93.7	96.5	98.1	98.7	85.5	98.7	46.8
16	99.3	99.5	99.6	99.5	99.6	99.6	99.6	98.4	93.1	72.4	66.2	53.6	46.5	42.7	39.0	34.9	35.0	39.0	43.1	54.5	75.3	77.1	77.2	85.7	72.1	99.6	34.9
17	89.2	92.6	91.1	95.4	94.7	95.0	89.3	80.1	69.0	49.9	46.2	43.3	38.2	35.3	33.2	29.5	29.4	30.5	34.9	50.5	64.2	73.9	79.1	86.4	63.4	95.4	29.4
18	85.8	70.2	82.7	87.7	92.6	92.4	91.6	87.0	82.0	74.9	59.9	53.4	41.8	45.4	44.0	38.1	37.9	39.5	38.7	45.5	66.0	74.8	74.1	81.6	66.1	92.6	37.9
19	84.5	91.1	92.7	93.6	94.0	92.2	88.8	85.0	72.3	43.3	39.8	38.0	36.1	34.0	33.2	33.9	34.2	35.8	38.1	42.0	58.6	69.8	81.3	84.6	62.4	94.0	33.2
20	81.5	88.9	91.9	94.2	94.2	92.5	81.9	70.2	42.7	38.8	36.6	33.8	31.2	28.4	27.7	28.5	26.6	25.8	30.3	36.2	48.2	58.9	69.2	77.7	55.7	94.2	25.8
21	82.0	86.7	90.4	92.5	82.6	79.3	84.6	92.6	85.0	71.6	65.1	59.5	66.2	73.9	74.1	62.1	51.0	48.7	53.8	67.6	79.6	83.2	84.6	87.4	75.2	92.6	48.7
22	88.5	88.7	90.2	92.1	93.4	94.8	96.0	96.5	93.7	85.6	70.9	62.9	57.2	51.5	43.1	47.1	59.0	48.8	54.5	66.6	72.5	76.5	74.1	68.2	73.8	96.5	43.1
23	69.2	69.5	66.6	57.1	60.7	73.6	73.9	66.0	57.3	46.5	44.9	42.5	41.4	40.6	37.1	35.0	32.3	25.6	32.2	49.6	73.1	71.6	89.1	94.8	56.3	94.8	25.6
24	94.6	98.3	98.8	97.3	99.2	99.4	88.5	71.9	67.1	65.0	60.4	54.1	46.2	49.6	43.6	28.3	29.6	27.6	29.8	34.8	44.3	62.7	56.7	60.9	62.9	99.4	27.6
25	69.7	62.6	75.1	78.9	85.7	81.8	65.4	57.7	52.1	47.5	43.5	38.3	34.1	29.8	28.1	26.3	24.7	25.8	27.2	33.8	38.9	53.4	63.6	67.4	50.5	85.7	24.7
26	75.6	80.6	86.6	87.7	91.0	90.8	79.5	67.3	46.5	43.6	40.4	35.6	32.9	30.4	28.3	26.2	23.7	23.7	27.8	38.0	50.6	63.1	73.7	81.0	55.2	91.0	23.7
27	84.3	83.8	88.0	90.1	91.3	85.4	76.2	61.7	45.2	35.8	31.0	29.4	27.5	23.3	22.0	18.3	18.6	21.2	20.1	43.7	50.6	61.4	51.9	36.9	49.9	91.3	18.3
28	37.1	41.5	52.5	63.7	74.5	76.9	72.4	61.7	55.8	37.0	32.8	32.2	28.1	25.2	22.1	28.9	29.3	31.0	31.0	40.8	48.4	54.2	59.7	54.9	45.7	76.9	35.2
29	45.4	41.9	51.2	53.2	53.8	65.4	59.1	43.4	52.2	45.3	40.6	35.5	34.0	36.2	66.9	73.4	74.8	69.2	65.5	82.0	85.0	85.7	87.6	94.3	60.1	94.3	34.0
30	95.0	90.4	90.7	93.6	96.3	94.3	84.8	72.8	54.3	32.7	29.2	27.0	26.1	23.6	22.1	24.9	32.0	32.1	24.8	46.9	56.9	57.9	64.9	68.0	55.9	96.3	22.1
31	75.3	82.2	85.8	87.3	88.4	89.3	74.7	62.5	49.2	36.8	34.2	29.7	24.2	22.3	20.7	21.2	25.0	26.2	39.8	67.1	78.0	75.4	71.8	83.8	56.3	89.3	20.7
Avg	75.4	79.1	84.2	86.0	87.8	87.1	80.4	69.9	60.9	51.6	46.1	42.9	40.1	38.2	37.5	37.0	37.5	37.7	40.3	48.5	58.0	66.1	69.5	72.1	59.7	91.5	31.4
Max	99.3	99.5	99.6	99.5	99.6	99.6	99.6	98.4	93.7	85.6	76.9	84.3	84.0	73.9	84.3	89.3	92.5	89.7	86.5	86.3	93.7	96.5	98.1	98.7	85.5	99.6	48.7
Min	37.1	41.5	51.2	53.2	53.8	65.4	59.1	43.4	41.7	32.7	28.8	27.0	24.2	22.3	20.7	18.3	18.6	21.2	20.1	32.3	37.9	46.4	46.8	36.9	45.7	76.9	18.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
August 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	88.8	89.5	91.7	91.0	91.5	90.8	81.1	65.3	53.9	38.7	26.5	23.4	36.3	38.6	28.5	27.5	25.7	27.0	33.6	40.2	50.9	50.8	46.4	63.9	54.2	91.7	23.4
2	66.9	75.6	73.9	82.6	86.7	88.4	84.9	71.3	48.3	36.1	32.6	30.3	30.9	30.9	29.2	34.7	40.6	49.0	42.7	46.4	62.6	68.9	72.1	82.3	57.0	88.4	29.2
3	86.7	86.4	89.2	92.9	93.8	91.3	82.9	79.9	65.3	54.0	46.1	36.4	32.2	30.1	31.2	29.6	25.9	32.4	40.3	48.9	63.1	72.1	76.9	76.2	61.0	93.8	25.9
4	83.2	87.2	91.9	93.6	96.5	95.2	91.1	84.2	67.8	47.9	45.4	43.7	40.8	42.0	55.4	85.3	88.0	91.0	88.6	83.1	86.0	90.1	92.1	92.8	77.6	96.5	40.8
5	92.0	91.0	94.7	94.0	95.9	96.9	93.9	83.7	72.1	64.5	58.8	57.3	57.9	51.5	50.9	66.2	54.4	52.5	59.0	67.4	78.0	87.3	90.8	90.8	75.1	96.9	50.9
6	96.2	95.7	95.6	97.1	98.1	99.0	96.3	85.3	74.0	53.7	44.4	35.7	34.7	29.2	27.8	28.0	23.1	22.6	32.6	50.7	65.3	75.4	79.7	80.5	63.4	99.0	22.6
7	83.6	90.3	87.4	90.5	93.6	93.3	91.2	81.1	63.8	47.4	44.7	38.0	31.7	26.9	25.4	27.0	30.1	28.0	40.9	52.9	62.5	69.9	75.3	76.7	60.5	93.6	25.4
8	84.2	84.2	88.7	88.2	91.3	92.3	83.3	69.4	59.2	46.5	42.5	35.2	38.8	38.7	52.0	59.1	64.0	66.1	50.0	49.1	55.5	75.3	82.5	83.7	65.8	92.3	35.2
9	84.8	89.2	90.4	93.8	96.3	97.0	89.4	77.9	67.3	58.5	46.9	39.1	30.2	30.2	33.0	33.3	30.3	28.0	33.1	58.2	64.6	64.5	59.4	56.9	60.5	97.0	28.0
10	59.7	65.7	71.4	75.9	81.8	90.2	85.3	64.6	55.8	49.4	42.3	39.3	31.8	24.6	26.3	22.6	24.2	25.6	38.6	45.3	54.3	61.9	65.8	78.2	53.4	90.2	22.6
11	77.2	82.5	82.0	84.2	89.5	87.2	82.1	67.8	52.4	45.0	30.1	25.5	25.8	26.2	24.3	23.6	20.3	22.0	29.6	42.4	47.4	54.8	54.7	61.5	51.6	89.5	20.3
12	61.5	69.1	74.7	79.6	83.0	83.1	78.6	67.5	47.7	32.6	29.4	25.9	23.0	21.5	21.0	26.4	45.2	49.7	50.4	57.3	62.3	63.6	77.0	76.2	54.4	83.1	21.0
13	63.1	69.4	76.8	79.7	77.8	82.8	86.2	77.7	54.3	47.2	43.4	39.3	35.2	32.0	24.9	23.0	19.0	25.7	40.9	48.8	50.5	47.4	49.8	59.5	52.3	86.2	19.0
14	68.5	77.2	77.1	79.5	81.9	86.5	87.0	79.0	73.3	62.8	61.4	56.3	54.3	57.2	51.3	43.2	35.9	30.0	49.7	59.7	62.7	74.4	80.5	85.3	65.6	87.0	30.0
15	86.4	91.3	91.3	91.8	94.0	96.4	92.4	78.8	70.7	55.9	51.4	45.1	29.4	34.7	66.0	54.1	46.8	43.4	50.2	65.3	75.3	82.5	89.2	95.1	69.9	96.4	29.4
16	95.4	97.7	99.1	98.8	99.5	99.5	98.2	93.5	81.9	74.7	63.3	53.3	47.4	41.8	39.0	37.4	37.8	39.1	43.3	50.6	61.7	74.7	82.6	85.9	70.7	99.5	37.4
17	88.6	89.9	93.2	95.6	95.9	96.7	93.7	87.5	73.3	60.3	51.9	49.2	45.4	43.5	42.7	45.1	44.3	43.2	48.6	58.9	67.9	75.4	84.0	89.4	69.3	96.7	42.7
18	91.9	94.7	97.7	97.5	98.4	99.0	95.4	79.1	61.6	50.7	44.0	38.9	33.7	26.2	23.9	21.4	22.9	30.1	32.9	49.2	64.0	65.0	69.3	80.8	61.2	99.0	21.4
19	87.9	88.3	89.3	92.0	94.0	93.9	85.1	72.6	59.3	41.3	36.6	32.3	27.6	26.0	25.3	27.6	29.4	45.5	57.2	56.4	77.7	78.2	81.3	89.8	62.3	94.0	25.3
20	90.9	90.6	93.3	95.8	94.6	95.9	92.8	87.1	76.8	67.4	51.5	44.8	38.8	34.5	34.3	55.0	81.2	81.6	88.5	91.9	94.4	90.4	90.8	93.3	77.3	95.9	34.3
21	93.0	92.1	93.0	92.8	95.1	97.7	96.9	89.0	85.2	74.9	69.9	73.3	76.0	72.6	61.6	64.3	66.3	66.7	68.9	78.6	81.8	87.2	87.8	90.0	81.4	97.7	61.6
22	93.9	95.4	96.9	97.1	97.6	97.7	97.4	94.9	88.5	83.3	79.6	85.6	79.3	78.8	71.1	74.0	74.0	78.6	87.3	93.2	94.7	90.3	93.2	92.2	88.1	97.7	71.1
23	94.8	97.2	96.5	96.5	96.0	96.6	96.3	95.0	94.7	94.2	95.3	91.1	83.7	83.3	82.0	81.7	85.8	86.3	88.2	89.6	91.8	90.7	90.9	92.0	91.3	97.2	81.7
24	92.0	92.6	92.4	93.2	91.3	91.4	93.1	89.7	87.2	84.5	82.0	80.0	80.0	81.6	78.4	81.3	84.0	78.2	78.7	81.2	84.9	84.6	88.0	90.6	85.9	93.2	78.2
25	93.6	96.1	96.7	96.0	96.1	96.9	93.1	87.2	79.7	70.9	62.3	60.3	56.3	51.3	51.1	50.4	51.2	50.0	51.6	75.6	80.7	86.9	89.9	92.6	75.7	96.9	50.0
26	93.8	96.0	96.9	95.8	97.3	98.5	95.7	83.4	71.8	57.8	52.6	46.5	42.4	34.2	31.9	34.6	39.5	39.1	44.6	66.1	79.9	84.2	85.2	88.6	69.0	98.5	31.9
27	91.2	96.6	97.9	98.1	98.7	98.8	97.0	83.3	66.6	48.6	44.7	41.4	39.5	37.8	36.4	34.2	33.4	34.6	42.6	63.7	72.7	78.0	82.9	87.9	66.9	98.8	33.4
28	92.4	92.5	96.6	96.9	97.5	97.2	93.9	78.6	64.0	44.9	41.5	39.3	37.1	31.2	32.3	31.9	30.8	29.6	32.1	39.6	34.6	27.4	43.5	75.4	57.5	97.5	27.4
29	84.3	90.6	96.4	95.7	96.7	97.9	98.5	84.4	68.5	56.2	44.5	39.4	37.7	34.2	30.0	31.5	30.3	30.9	39.3	63.2	71.4	81.3	85.3	85.2	65.6	98.5	30.0
30	82.1	82.5	89.1	91.9	95.0	93.9	94.1	91.5	86.0	75.3	58.4	54.1	53.2	55.1	59.5	76.7	85.8	80.2	85.4	93.4	94.0	95.1	95.9	97.0	81.9	97.0	53.2
31	97.9	99.1	99.2	99.3	99.4	99.3	99.3	98.2	81.5	69.0	64.0	57.7	61.5	55.9	52.6	55.7	59.6	53.4	57.3	66.7	79.1	90.1	91.7	95.5	78.5	99.4	52.6
Avg	85.4	88.3	90.4	91.9	93.4	94.2	91.2	81.6	69.4	57.9	51.2	47.0	44.3	42.0	41.9	44.7	46.1	47.1	52.5	62.4	70.1	74.8	78.5	83.4	67.9	94.8	37.3
Max	97.9	99.1	99.2	99.3	99.5	99.5	99.3	98.2	94.7	94.2	95.3	91.1	83.7	83.3	82.0	85.3	88.0	91.0	88.6	93.4	94.7	95.1	95.9	97.0	91.3	99.5	81.7
Min	59.7	65.7	71.4	75.9	77.8	82.8	78.6	64.6	47.7	32.6	26.5	23.4	23.0	21.5	21.0	21.4	19.0	22.0	29.6	39.6	34.6	27.4	43.5	56.9	51.6	83.1	19.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
September 2014

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	96.3	95.6	96.0	96.0	96.1	95.5	94.3	84.4	70.0	58.4	52.9	47.7	44.3	43.2	40.3	38.3	36.9	38.1	43.5	55.4	76.1	82.7	89.1	91.1	69.3	96.3	36.9
2	92.4	93.4	94.1	95.3	94.7	94.9	93.9	86.4	70.7	49.2	43.2	37.2	31.9	32.4	31.2	29.4	28.0	28.2	40.1	60.8	68.6	74.6	80.3	81.1	63.8	95.3	28.0
3	87.4	90.9	90.9	90.5	90.9	91.2	88.6	80.2	54.6	48.7	53.5	59.0	45.8	33.3	31.6	32.4	34.2	37.1	45.6	52.5	58.4	77.4	84.5	86.6	64.4	91.2	31.6
4	87.3	89.5	90.5	91.0	90.6	91.3	90.8	87.1	78.6	67.2	61.3	53.7	48.6	45.8	44.1	41.4	40.2	38.8	48.9	75.4	81.2	88.6	90.9	87.4	71.3	91.3	38.8
5	88.7	91.1	93.9	94.7	95.1	94.7	90.3	77.7	67.0	48.5	37.7	37.7	36.1	30.3	30.6	25.6	24.2	29.3	43.2	65.0	70.9	77.1	83.8	89.9	63.5	95.1	24.2
6	92.2	93.1	92.7	93.7	93.6	94.6	88.1	73.0	57.8	36.7	30.0	27.6	25.6	24.3	22.9	21.1	21.3	20.9	32.6	57.1	62.6	74.0	75.5	76.0	57.8	94.6	20.9
7	79.5	81.6	85.6	85.4	88.3	89.0	84.6	74.9	55.4	31.7	27.0	24.6	21.8	19.3	16.7	18.0	16.3	15.2	19.2	34.6	49.5	57.9	63.5	69.2	50.4	89.0	15.2
8	74.0	78.7	81.5	83.7	84.5	84.4	85.1	66.6	48.6	30.4	24.6	22.5	20.7	19.2	16.8	14.0	12.7	19.4	36.4	52.9	73.6	88.1	95.3	97.1	54.6	97.1	12.7
9	98.7	97.5	97.1	97.3	96.8	97.6	97.7	93.6	81.3	76.9	74.0	69.3	66.9	68.0	67.2	67.6	76.3	80.9	84.5	81.6	81.0	83.5	89.9	92.2	84.1	98.7	66.9
10	95.5	96.9	97.7	98.2	98.4	98.5	98.4	96.0	95.0	95.8	93.7	86.5	85.0	89.5	88.1	83.8	89.6	87.3	85.6	90.9	93.2	94.2	96.7	93.2	92.8	98.5	83.8
11	87.7	86.9	90.5	91.8	91.8	90.9	87.6	81.5	71.4	64.3	77.5	74.6	72.5	62.8	62.7	62.1	60.8	66.7	76.2	84.2	86.1	87.9	89.2	91.5	79.1	91.8	60.8
12	93.2	93.0	92.9	92.5	92.0	91.9	90.9	89.1	68.6	52.8	47.0	38.1	32.7	25.4	22.6	22.5	20.9	26.0	41.6	55.4	63.2	61.7	67.1	68.8	60.4	93.2	20.9
13	73.1	76.2	77.2	78.0	82.6	86.6	86.3	84.7	77.3	70.1	68.0	61.3	52.5	54.7	49.1	41.9	37.6	44.0	64.3	67.6	71.8	74.4	77.8	80.0	68.2	86.6	37.6
14	81.0	83.5	87.7	91.4	94.9	95.5	92.5	78.8	69.1	56.0	45.0	37.1	33.2	27.8	24.5	26.0	28.2	31.7	47.0	64.1	74.8	83.6	80.4	81.4	63.1	95.5	24.5
15	79.9	82.1	85.9	88.8	94.5	96.3	92.9	79.6	70.7	52.7	41.8	33.7	28.3	23.4	21.6	19.3	17.6	18.8	30.6	54.8	61.4	63.1	68.5	79.5	57.7	96.3	17.6
16	83.1	83.5	86.2	86.9	87.0	85.8	84.9	73.0	57.4	39.7	27.2	24.6	25.1	24.3	25.3	26.8	32.3	41.7	57.7	61.5	69.0	69.9	69.0	80.3	58.4	87.0	24.3
17	83.7	85.4	87.0	90.8	90.6	91.0	96.8	89.1	74.0	52.3	39.5	36.4	31.8	27.5	27.3	29.6	34.2	37.4	45.4	56.2	60.7	65.1	70.0	77.8	61.6	96.8	27.3
18	81.5	80.7	77.9	78.9	85.6	85.1	85.2	75.8	74.3	73.5	58.8	58.8	60.1	59.9	57.8	52.7	54.6	60.8	72.6	83.9	86.1	86.8	86.5	91.9	73.7	91.9	52.7
19	93.7	94.8	95.8	96.3	96.2	86.5	80.3	70.6	64.3	61.2	55.1	48.2	44.5	42.2	42.3	43.7	44.2	44.7	47.7	51.7	57.8	58.8	70.1	79.7	65.4	96.3	42.2
20	87.1	91.7	92.8	95.8	95.1	97.7	96.2	87.2	78.0	53.9	44.0	37.7	34.4	31.6	30.6	28.9	28.9	29.8	47.7	61.8	73.0	77.8	84.3	87.5	65.6	97.7	28.9
21	91.3	93.1	91.7	94.5	93.5	95.2	92.2	83.7	68.8	47.3	44.2	39.3	36.7	35.6	34.1	36.7	43.7	48.0	53.3	57.2	58.8	65.6	67.3	73.2	64.4	95.2	34.1
22	80.8	83.4	85.7	88.1	91.1	92.5	91.6	79.9	62.4	49.9	44.9	43.4	45.0	44.9	43.9	46.6	52.4	61.0	65.8	75.3	81.7	85.8	87.9	94.4	69.9	94.4	43.4
23	95.1	97.7	98.2	98.7	98.9	99.2	99.0	97.9	83.2	55.1	44.0	38.5	34.9	34.4	33.2	31.9	48.7	75.8	82.6	88.6	90.6	94.2	94.6	97.2	75.5	99.2	31.9
24	97.0	96.4	97.5	95.3	96.8	98.4	98.8	95.7	85.5	54.8	36.3	34.1	26.9	21.2	20.6	22.5	24.3	25.0	30.7	42.2	50.4	55.3	61.2	67.0	59.7	98.8	20.6
25	69.7	74.1	74.4	76.0	84.0	88.8	89.1	76.6	58.1	32.9	20.8	17.7	17.6	18.2	18.6	19.0	18.6	20.1	29.7	38.0	40.2	45.4	51.1	55.1	47.2	89.1	17.6
26	59.6	61.3	55.8	59.3	60.1	70.1	72.5	63.1	46.3	45.6	43.9	55.2	54.8	46.9	44.1	40.8	41.7	46.1	60.8	70.1	69.8	70.2	59.5	66.7	56.8	72.5	40.8
27	91.0	94.6	95.6	96.8	97.5	95.0	95.4	92.2	84.9	87.2	89.5	91.9	93.4	94.3	93.8	93.2	93.8	90.8	87.5	82.5	82.3	82.4	84.8	88.4	90.8	97.5	82.3
28	89.0	87.2	82.2	86.5	84.4	80.3	81.5	78.7	77.8	80.6	70.2	68.8	72.2	83.4	86.7	84.2	78.5	80.4	82.9	80.3	78.9	79.2	83.4	82.0	80.8	89.0	68.8
29	86.1	87.4	87.5	89.1	89.4	90.0	90.5	89.3	84.6	79.7	73.4	73.0	72.5	67.3	58.6	64.8	63.8	71.0	77.0	79.4	90.4	89.9	86.8	81.8	80.1	90.5	58.6
30	78.7	81.6	84.0	82.6	83.5	86.6	90.4	87.3	82.3	82.2	81.7	79.1	81.4	79.9	64.5	54.9	58.4	68.2	85.2	90.7	90.6	90.9	93.3	94.0	81.3	94.0	54.9
Avg	85.8	87.4	88.2	89.5	90.6	91.2	90.2	82.5	70.6	57.8	51.7	48.6	45.9	43.7	41.7	40.7	42.1	46.1	55.5	65.7	71.8	76.2	79.4	82.7	67.7	93.3	38.3
Max	98.7	97.7	98.2	98.7	98.9	99.2	99.0	97.9	95.0	95.8	93.7	91.9	93.4	94.3	93.8	93.2	93.8	90.8	87.5	90.9	93.2	94.2	96.7	97.2	92.8	99.2	83.8
Min	59.6	61.3	55.8	59.3	60.1	70.1	72.5	63.1	46.3	30.4	20.8	17.7	17.6	18.2	16.7	14.0	12.7	15.2	19.2	34.6	40.2	45.4	51.1	55.1	47.2	72.5	12.7

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
July 2014

[illegible]

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
August 2014

[illegible]

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
September 2014

[illegible]

APPENDIX B: PERFORMANCE AUDIT REPORTS
THIRD QUARTER 2014



BISON ENGINEERING, INC.

Bison Engineering

Preliminary Meteorological Parameters Audit Form

Audit Dates: 10/07/2014 Audit Start Time : 10:42 Audit End Time : 14:45 MST
Client: Tintina Resources
Site: Black Butte
AUDITOR: Steve Heck STATION OPERATOR: Jeff Bell

Temperature

Audit Device
Met One 080A-2 temperature probe certified against Control Company - digital thermometer Model 4000
Meter S/N: 130238879 Temperature Sensor: Climatronics 100093
Last certified: 4/24/2013 S/N 8253 (Upper), S/N 8255 (Lower)

Temperature bath results

	9m	9m	2m	2m	9m - 2m
Audit	DAS	DAS	DAS	DAS	DAS
Value	Value	Diff.	Value	Diff.	Diff.
°C	°C	°C	°C	°C	°C
0.05	0.22	0.17	0.24	0.19	-0.02
19.84	19.88	-0.05	19.80	-0.04	-0.01
36.97	37.14	0.17	37.14	0.17	0.00

Wind Direction

Sensor height: 9 Meter	Sensor (Make/model number): Climatronics/ 102063	Serial Number: K2338C	Crossarm orientation (from solar sighting): 1.4 / 181.4	Location used for solar calculation	N 46 deg 46 min, W 110 deg 53 min	Calculated sun azimuth at 1013 MST	144.9 degrees	Sensor response aligned with crossarm (as found): 1.4	Sensor response aligned with crossarm (as left): 0.9	Linearity Audit Device: Climatronics 101986, SN 70	Setpoint	Linearity Check from DAS			
												Clockwise	Counter-CW	Diff CW	Diff CCW
											0	0.1	0.1	0.1	0.1
											30	29.6	29.5	-0.4	-0.5
											60	58.9	58.8	-1.1	-1.2
											90	88.4	88.3	-1.6	-1.7
											120	118.2	118.1	-1.8	-1.9
											150	148.1	148.1	-1.9	-1.9
											180	178.2	178.1	-1.8	-1.9
											210	208.4	208.2	-1.6	-1.8
											240	238.3	238.3	-1.7	-1.7
											270	268.7	268.6	-1.3	-1.4
											300	299.2	299.1	-0.8	-0.9
											330	329.5	329.4	-0.5	-0.6
													Max Diff	-1.9	-1.9

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

Wind Speed

Sensor height: 9 Meter
Sensor (Make/model number): Climatronics 102083
Serial Number: K2336C
Calibration device: Weathertronics 300 rpm synchronous motor
Weathertronics 600 rpm synchronous motor

Synchronous motor checks

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

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	6.66	0.02
600	13.09	13.18	0.09

Relative Humidity

Audit Device: Asmann Psychrometer, thermometer calibrations checked November 2013

Audit Dry-Bulb: 16.3 BP = 24.39 in. Hg
Audit Wet-Bulb: 10.2
Audit RH: 49.5 %RH
Station RH: 51.1 %RH
Diff: 1.8 %RH

Barometric Pressure

Audit Device: Wallace & Tieman Model FA185280, S/N LL03297.
Checked against Bacon Mercury barometer (Butte) on 03/12/2014

Audit Value: 24.39 in Hg
Station Value: 24.44 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 of Calibrator: 