

TINTINA RESOURCES, INC.
BLACK BUTTE COPPER
PROJECT AMBIENT AIR
MONITORING PROGRAM

Quarterly Data Report
Second Quarter 2014

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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).

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APPENDICES

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

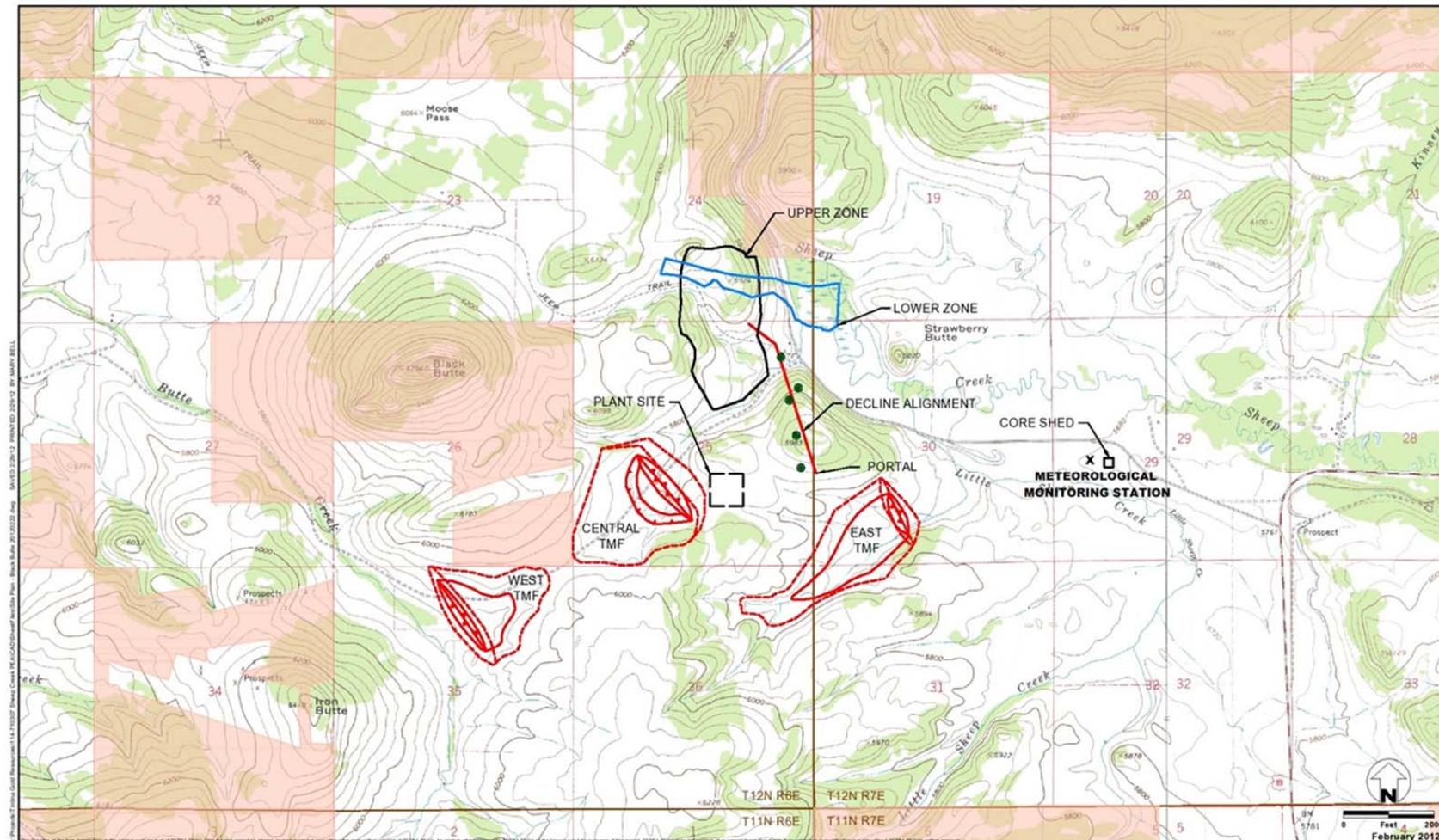
1.0 INTRODUCTION

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 second quarter (April through June) 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



Site Plan
Black Butte Copper Project
Meagher County, Montana
FIGURE 1

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.

Jeff Bell of Bison Engineering, Inc. (Bison) conducted performance audits of the meteorological system at the site during June. 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

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

4.0 PERFORMANCE AUDIT DATA

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

5.0 DATA COMPLETENESS

The meteorological percentages of data recovery achieved during the second 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 second quarter the net data recovery was 92.8 percent for 2 meter temperature and delta temperature because the power cable to the 2 meter aspirator fan came loose in late June. The recovery for wind direction and wind direction standard deviation was 99.7 percent, due to brief vane icing episodes in April and May. The net data recovery for all other parameters was 100.0 percent. The net quarterly data recovery for the entire system was 98.5 percent.

Table 1. Monthly Data Completeness

April 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	719	99.9	0	99.9
Standard Deviation	720	719	99.9	0	99.9
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	7,198	100.0	0	100.0

Table 1. Monthly Data Completeness (Continued)

May 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	738	99.2	0	99.2
Standard Deviation	744	738	99.2	0	99.2
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	7,428	99.8	0	99.8

Table 1. Monthly Data Completeness (Continued)

June 2014					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	720	717	99.6	3	100.0
Wind Direction	720	717	99.6	3	100.0
Standard Deviation	720	717	99.6	3	100.0
Temperature 9 Meters	720	717	99.6	3	100.0
Temperature 2 Meters	720	560	77.8	3	78.2
Temperature Delta T	720	560	77.8	3	78.2
Solar Radiation	720	717	99.6	3	100.0
Barometric Pressure	720	717	99.6	3	100.0
Relative Humidity	720	717	99.6	3	100.0
Precipitation	720	717	99.6	3	100.0
Total	7,200	6,856	95.2	30	95.6

Table 2. Quarterly Data Completeness

Second Quarter 2014					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	2,184	2,181	99.9	3	100.0
Wind Direction	2,184	2,174	99.5	3	99.7
Standard Deviation	2,184	2,174	99.5	3	99.7
Temperature 9 Meters	2,184	2,181	99.9	3	100.0
Temperature 2 Meters	2,184	2,024	92.7	3	92.8
Temperature Delta T	2,184	2,024	92.7	3	92.8
Solar Radiation	2,184	2,181	99.9	3	100.0
Barometric Pressure	2,184	2,181	99.9	3	100.0
Relative Humidity	2,184	2,181	99.9	3	100.0
Precipitation	2,184	2,181	99.9	3	100.0
Total	21,840	21,482	98.4	30	98.5

Table 3. Periods of Missing Data

Second Quarter 2014						
Starting Date/Hour	Ending Date/Hour	Site	Parameter	Total Hours	Percent of Quarter	Circumstance
April 3/8	April 3/8	Met Tower	Wind direction & standard deviation	1	0.05	Vane icing
May 8/4	May 8/4	Met Tower	Wind direction & standard deviation	1	0.05	Vane icing
May 13/4	May 13/6	Met Tower	Wind direction & standard deviation	3	0.14	Vane icing
May 20/3	May 20/4	Met Tower	Wind direction & standard deviation	2	0.09	Vane icing
June 24/12	June 30/24	Met Tower	Two meter temperature	157	7.19	Missing data: Blower power failure
June 24/12	June 30/24	Met Tower	Delta temperature	157	7.19	Missing data: Blower 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

April 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	1.0	1.4	1.3	0.7	1.5	1.3	0.6	0.6	0.6	0.3	0.1	0.0	0.3	0.3	0.4	0.8	11.0
	1.1 - 2.0	1.1	0.7	1.8	2.1	3.3	3.2	3.1	1.7	0.3	0.6	0.1	0.6	0.8	0.8	1.0	0.8	22.0
	2.1 - 3.0	0.4	0.4	0.4	1.9	2.4	1.7	1.3	1.1	0.1	0.1	0.3	1.1	0.3	1.8	1.0	0.8	15.2
	3.1 - 4.0	0.1	0.1	0.0	1.1	1.3	0.3	0.7	0.4	0.7	0.0	0.3	1.3	1.0	3.3	1.3	0.6	12.4
	4.1 - 5.0	0.3	0.0	0.0	0.1	0.6	0.0	0.4	0.1	0.0	0.1	0.1	1.0	2.4	1.8	1.5	0.4	8.9
	5.1 - 6.0	0.3	0.0	0.0	0.0	0.1	0.1	0.4	0.6	0.0	0.3	0.4	0.6	3.2	1.5	1.5	0.7	9.7
	6.1 - 7.0	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.3	0.4	2.6	1.3	0.8	0.3	6.4
	7.1 - 8.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.1	0.7	3.9	1.5	0.3	0.6	8.1
	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	0.1	1.5	1.1	0.3	0.3	3.3
	9.1 - 10.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.1	0.3	0.4	1.9
	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	0.7	0.0	0.0	0.0	0.7
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.4
	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	3.9	3.1	3.5	6.0	9.2	6.5	6.7	4.9	1.7	1.7	1.8	5.7	17.7	13.8	8.3	5.7	100.0	
Average Speed	3.1	2.4	1.3	2.2	2.1	1.8	2.6	2.9	2.2	3.3	4.4	4.5	6.3	4.9	4.4	4.2	3.8	

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

May 2014																	
Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (metres per second)	0.1 - 1.0	2.3	1.9	1.9	0.8	1.4	1.1	1.1	0.4	0.4	0.4	0.1	0.0	0.0	0.4	1.1	14.6
	1.1 - 2.0	0.9	1.2	2.7	3.3	3.1	2.8	2.3	1.2	1.4	0.4	0.3	1.1	0.3	0.7	1.6	24.4
	2.1 - 3.0	0.7	0.1	0.8	2.3	2.6	1.9	0.5	1.2	0.5	0.5	0.4	0.8	1.1	1.1	1.8	17.5
	3.1 - 4.0	0.5	0.0	0.1	1.8	1.4	0.4	0.8	0.8	0.3	0.3	0.4	1.4	1.9	1.5	1.2	13.6
	4.1 - 5.0	0.8	0.0	0.1	0.5	0.3	0.3	0.9	1.2	0.1	0.1	0.3	0.9	0.8	1.6	1.4	10.0
	5.1 - 6.0	0.8	0.8	0.1	0.4	0.3	0.0	0.5	0.7	0.0	0.3	0.1	0.7	2.3	1.8	1.6	11.1
	6.1 - 7.0	0.1	0.4	0.0	0.0	0.0	0.0	0.3	0.9	0.0	0.0	0.0	0.1	0.5	1.1	0.4	4.2
	7.1 - 8.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.1	1.2	1.4	0.1	4.1
	8.1 - 9.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
	9.1 - 10.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
	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	6.8	5.0	5.8	9.1	8.9	6.5	6.5	7.0	2.7	2.0	1.6	5.1	8.1	9.5	9.2	6.0	100.0
Average Speed	2.9	3.0	1.6	2.4	2.2	1.9	2.6	4.0	2.0	2.7	3.1	3.5	4.9	4.6	3.3	2.9	3.1

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

June 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	1.5	1.0	1.1	0.7	0.8	0.7	0.7	1.3	0.7	0.7	0.4	0.6	0.3	0.4	0.4	12.1
	1.1 - 2.0	0.8	0.7	1.4	3.5	3.5	4.9	3.5	1.3	0.4	0.1	0.4	0.4	0.8	1.3	1.1	25.1
	2.1 - 3.0	0.3	0.0	0.4	1.7	3.9	2.2	1.4	0.6	0.1	0.1	0.3	1.1	1.7	1.5	2.4	0.0
	3.1 - 4.0	0.0	0.1	0.1	0.3	0.6	0.7	0.8	1.4	0.3	0.0	0.4	1.3	1.8	2.9	1.4	12.6
	4.1 - 5.0	0.0	0.4	0.1	0.3	0.3	0.3	0.7	1.5	0.0	0.4	0.3	0.6	2.9	3.8	1.3	0.0
	5.1 - 6.0	0.1	0.3	0.0	0.0	0.0	0.1	0.0	1.0	0.0	0.1	0.3	1.0	2.0	2.1	1.4	0.0
	6.1 - 7.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.7	1.4	1.4	1.0	0.0
	7.1 - 8.0	0.0	0.1	0.0	0.0	0.0	0.0	0.6	0.1	0.0	0.0	0.0	0.6	0.1	0.6	0.3	0.0
	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	0.1	2.2	0.4	0.0	0.0
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.1	0.3	0.1	0.0	1.0
	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	0.3	0.0	0.0	0.3
	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	2.9	2.6	3.2	6.4	9.1	8.9	7.8	7.5	1.7	1.5	2.1	6.4	13.8	14.5	9.2	2.2	100.0
Average Speed	1.6	2.6	1.6	2.0	2.2	2.0	2.6	3.5	2.3	2.4	2.9	4.3	5.2	4.4	3.8	1.6	3.3

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

Second 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	1.6	1.4	1.4	0.7	1.2	1.0	0.8	0.7	0.6	0.5	0.2	0.2	0.2	0.4	0.6	1.0	12.6
	1.1 - 2.0	1.0	0.9	2.0	2.9	3.3	3.6	2.9	1.4	0.7	0.4	0.3	0.7	0.6	0.9	1.2	1.0	23.8
	2.1 - 3.0	0.5	0.2	0.6	2.0	2.9	1.9	1.1	1.0	0.3	0.3	0.3	1.0	1.0	1.5	1.7	0.6	16.8
	3.1 - 4.0	0.2	0.1	0.1	1.1	1.1	0.5	0.8	0.9	0.4	0.1	0.4	1.3	1.6	2.6	1.3	0.6	12.8
	4.1 - 5.0	0.4	0.1	0.1	0.3	0.4	0.2	0.7	1.0	0.0	0.2	0.2	0.8	2.0	2.4	1.4	0.3	10.6
	5.1 - 6.0	0.4	0.4	0.0	0.1	0.1	0.1	0.3	0.7	0.0	0.2	0.3	0.7	2.5	1.8	1.5	0.5	9.8
	6.1 - 7.0	0.1	0.2	0.0	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.1	0.4	1.5	1.2	0.7	0.2	5.2
	7.1 - 8.0	0.3	0.1	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.1	0.0	0.5	1.7	1.1	0.2	0.2	4.8
	8.1 - 9.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	0.5	0.1	0.1	2.1
	9.1 - 10.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.1	1.1
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	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	4.6	3.6	4.2	7.2	9.1	7.3	7.0	6.5	2.0	1.7	1.8	5.7	13.2	12.6	8.9	4.6	100.0	
Average Speed	2.7	2.7	1.5	2.2	2.2	1.9	2.6	3.5	2.1	2.8	3.4	4.1	5.6	4.6	3.8	3.2	3.4	

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

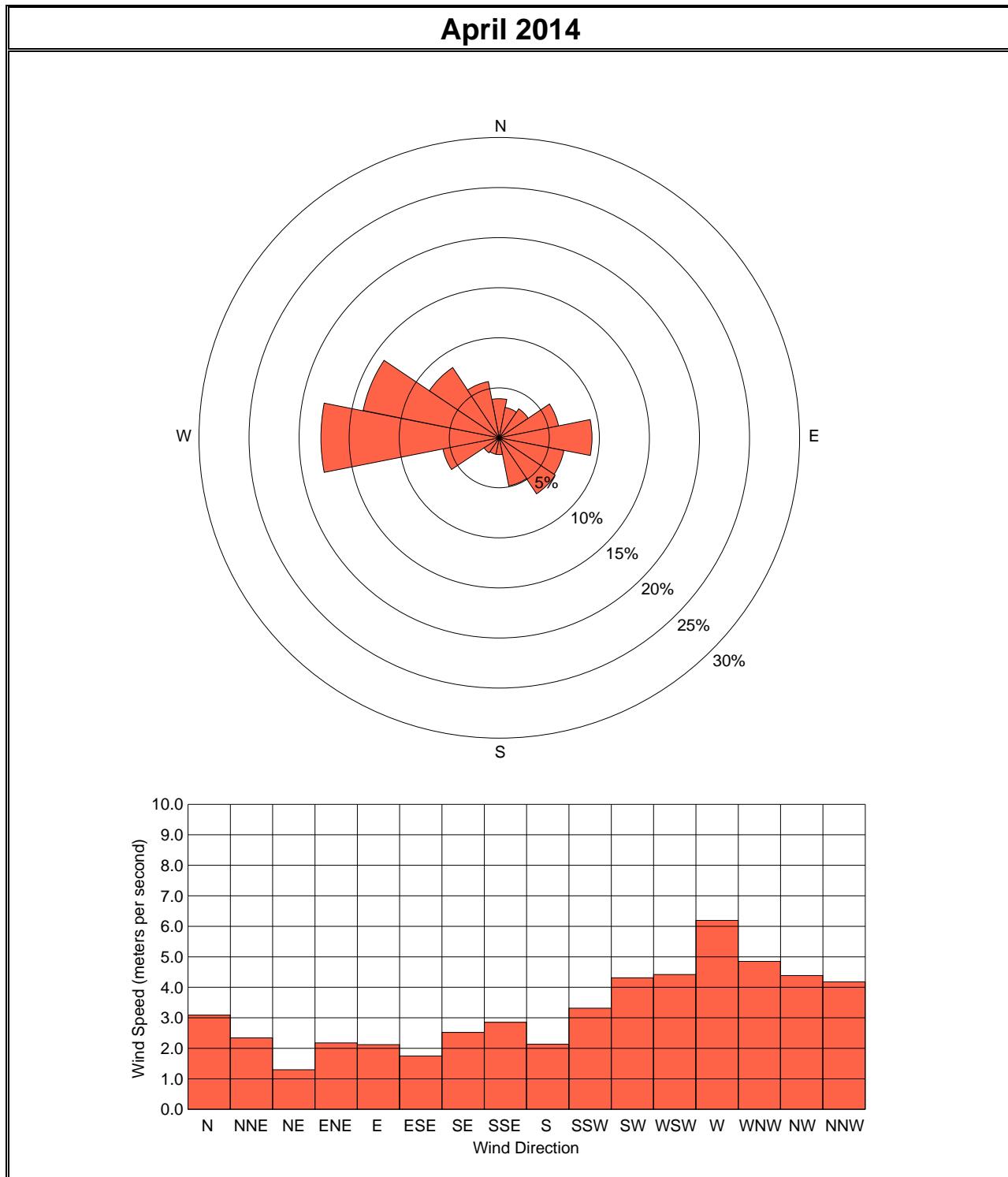


Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower

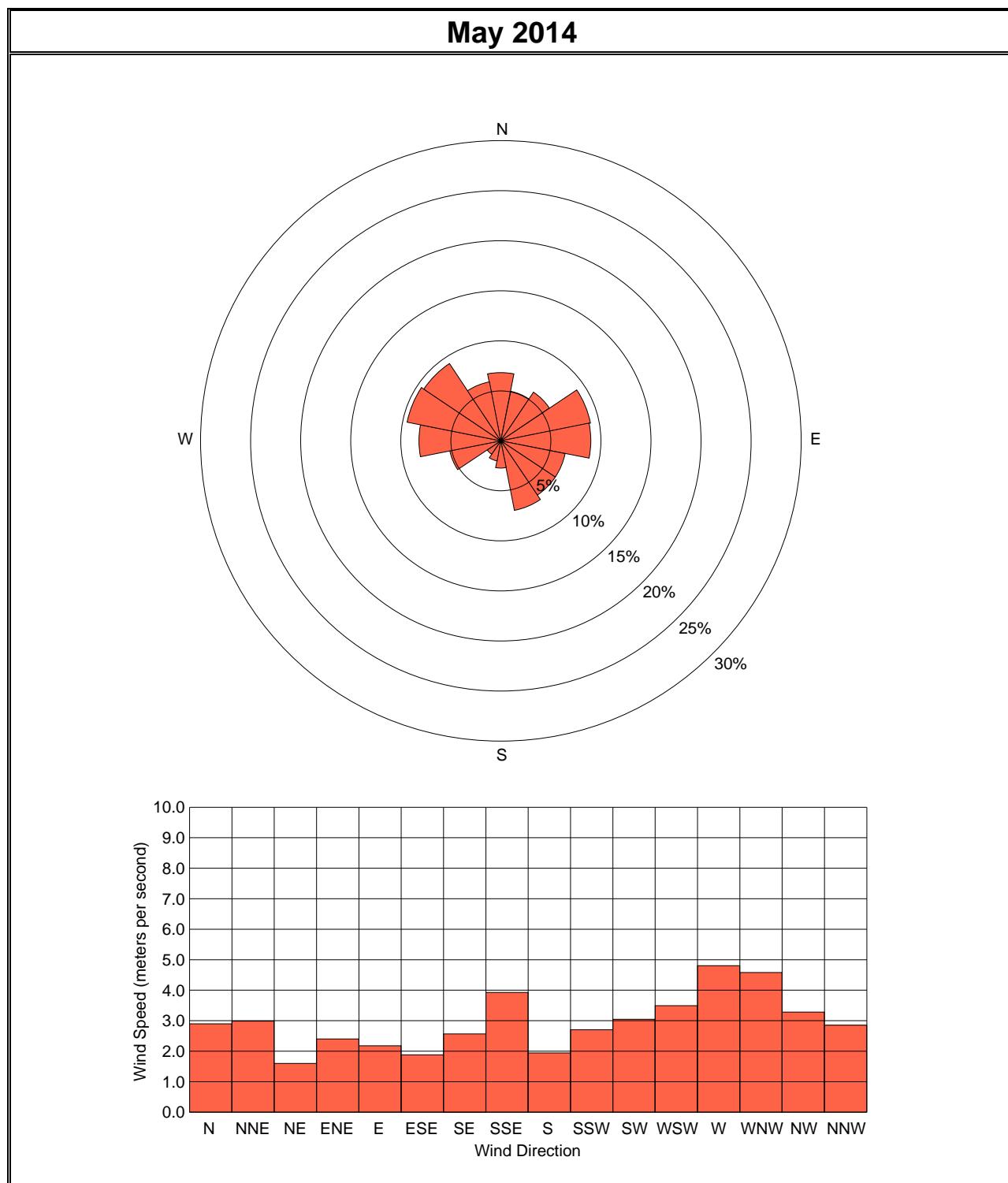


Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower

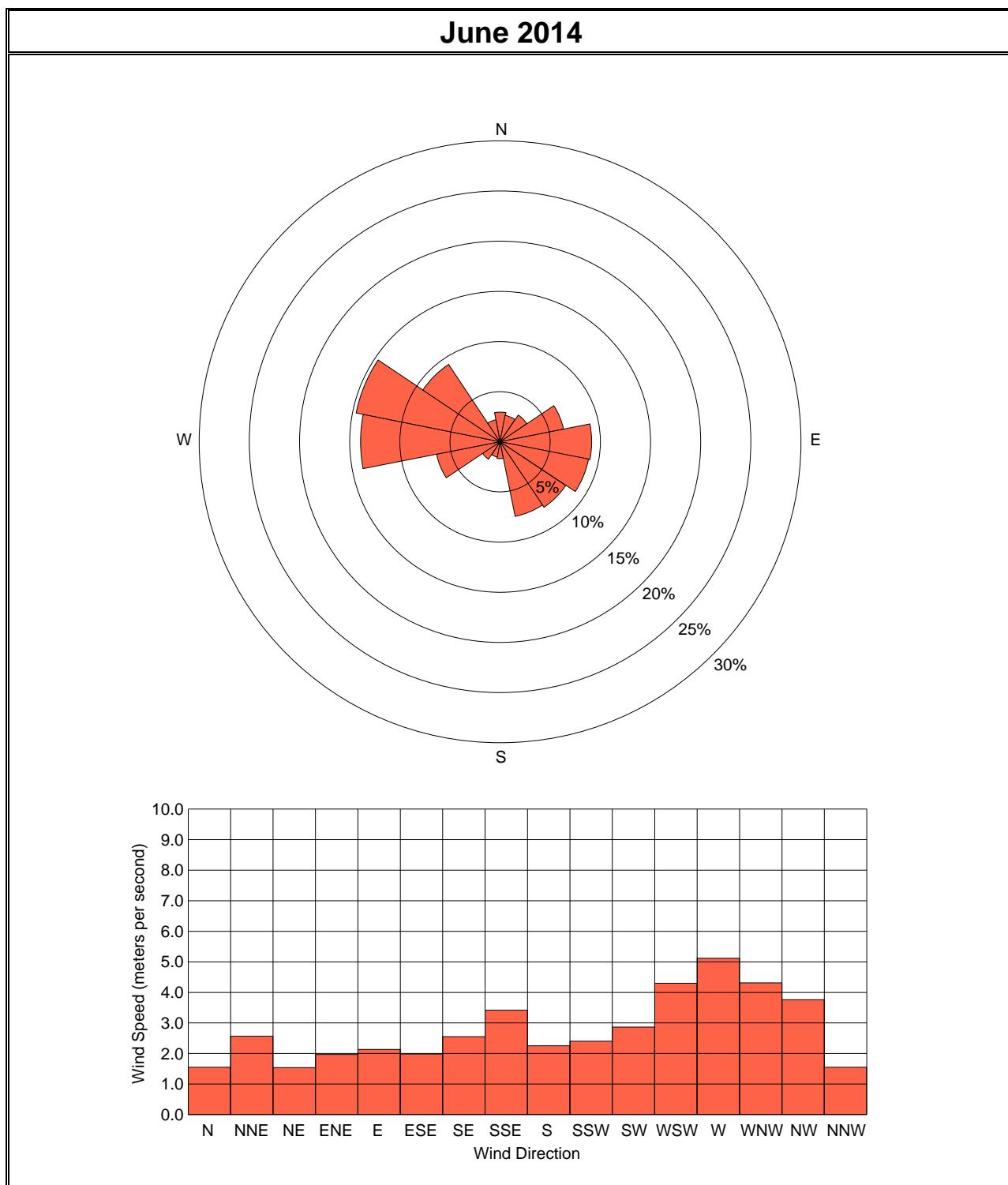
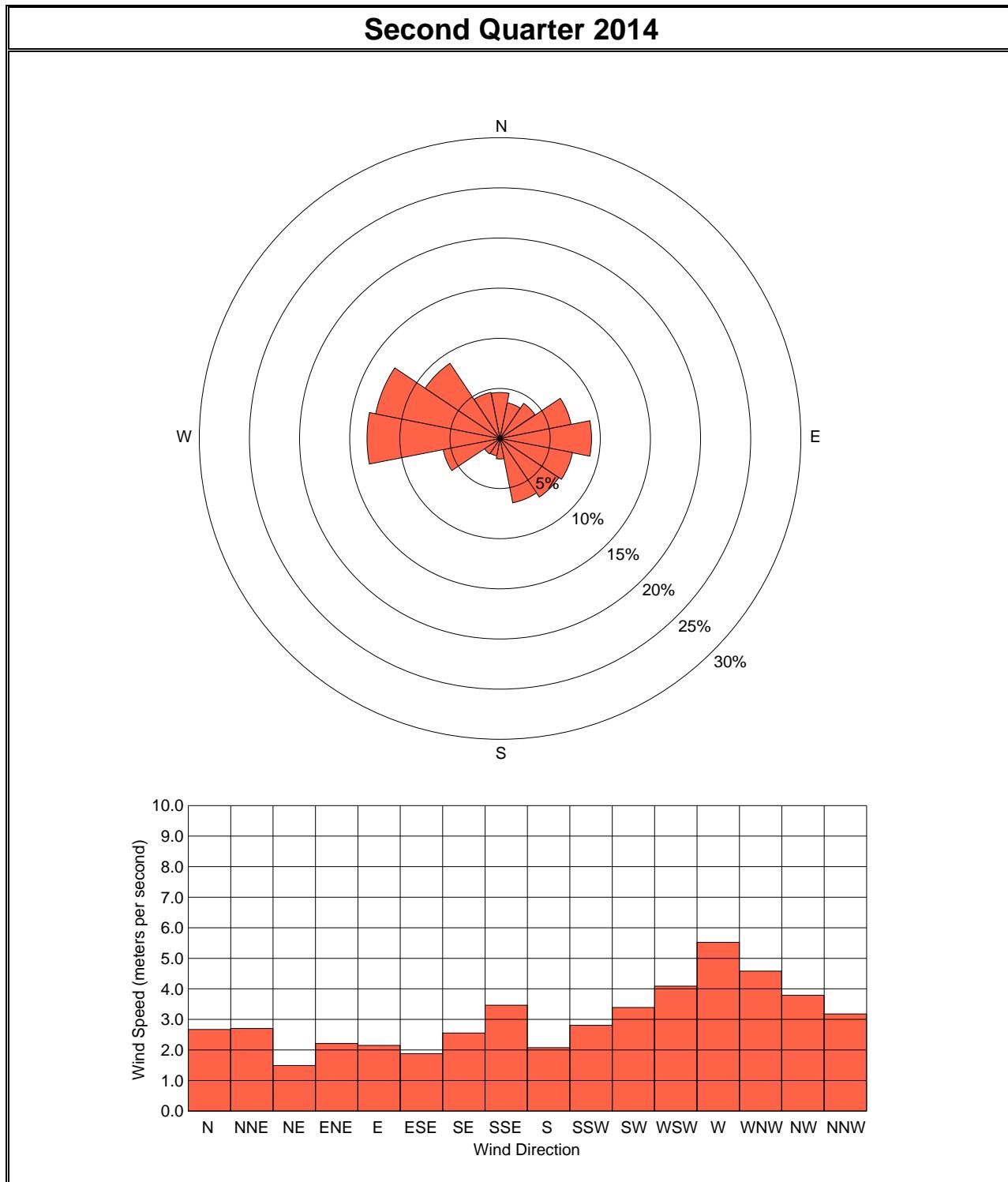


Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower



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

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
April 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	1.9	2.6	1.5	1.6	1.2	1.6	0.7	1.3	0.4	0.8	0.7	0.6	3.5	3.1	3.2	2.4	2.9	2.9	1.8	0.8	2.0	4.8	5.8	6.0	2.3	6.0	0.4
2	4.7	2.4	1.7	1.5	2.0	3.1	2.4	2.4	1.4	1.0	0.9	2.4	3.6	4.8	6.5	7.3	4.9	5.9	3.0	2.7	1.5	1.0	0.9	1.5	2.9	7.3	0.9
3	2.2	2.5	2.9	1.5	1.1	0.6	1.0	1.1	0.7	0.8	2.0	4.5	3.2	3.3	1.9	1.3	1.2	3.1	2.9	1.2	1.7	1.8	1.5	1.4	1.9	4.5	0.6
4	1.6	1.7	2.6	3.7	4.1	3.7	3.8	1.7	1.4	7.2	7.2	7.0	5.8	5.7	3.4	3.3	3.4	5.2	2.3	3.5	3.6	1.8	1.4	1.1	3.6	7.2	1.1
5	2.9	3.0	1.2	1.3	1.7	1.9	0.8	1.6	4.4	6.2	8.5	7.8	7.5	7.7	8.2	7.2	6.8	7.2	5.5	6.4	4.6	2.0	0.8	0.5	4.4	8.5	0.5
6	0.7	0.5	3.5	4.2	2.3	1.0	1.6	2.0	4.3	6.7	7.9	9.8	9.7	9.2	9.0	6.2	9.4	6.2	5.7	5.7	6.9	4.7	3.5	1.7	5.1	9.8	0.5
7	0.8	0.7	1.1	2.7	3.1	2.2	1.2	0.3	0.6	1.2	7.0	7.2	8.2	8.7	7.8	8.5	6.9	6.5	5.6	4.3	1.8	2.5	3.4	2.7	4.0	8.7	0.3
8	2.2	1.9	1.7	1.3	1.1	0.8	0.8	1.3	0.8	0.7	0.8	1.0	3.8	3.1	3.4	6.7	6.2	5.6	2.9	2.2	2.1	1.5	2.1	0.9	2.3	6.7	0.7
9	0.9	1.2	2.0	1.5	2.6	3.9	4.9	6.7	7.4	8.0	8.5	8.4	7.1	6.1	7.7	8.3	7.8	7.0	5.1	5.9	5.6	4.6	1.9	1.3	5.2	8.5	0.9
10	1.9	1.5	2.2	1.6	1.5	0.9	1.9	3.5	6.9	7.6	6.8	7.3	7.6	7.5	7.5	7.5	7.2	6.8	4.9	1.4	1.9	2.3	2.0	1.4	4.2	7.6	0.9
11	1.4	1.6	1.5	1.9	1.5	1.3	1.0	0.5	0.8	0.7	6.5	10.3	11.0	9.6	8.4	6.5	6.5	4.9	5.9	4.8	5.6	4.3	1.9	1.9	4.2	11.0	0.5
12	0.6	3.6	3.5	3.8	2.4	3.6	1.9	3.4	3.4	3.7	4.7	5.1	4.9	5.8	4.9	4.0	7.3	7.1	3.8	2.5	1.9	2.0	2.9	3.1	3.7	7.3	0.6
13	1.4	1.9	1.6	1.4	1.0	0.9	0.7	0.8	1.8	3.0	3.4	3.3	6.7	9.6	9.6	9.2	9.1	7.4	7.6	4.2	2.3	1.9	3.4	3.4	4.0	9.6	0.7
14	3.4	3.6	2.2	1.1	1.5	0.5	0.4	0.8	0.6	1.2	5.1	5.0	5.3	5.5	5.0	4.4	5.5	5.0	3.0	1.7	1.6	2.3	2.3	2.4	2.9	5.5	0.4
15	1.6	1.7	2.2	4.2	2.4	1.5	1.4	4.3	5.0	4.0	6.1	7.7	7.5	8.8	8.0	4.9	6.4	5.2	6.4	5.3	3.0	4.0	2.7	3.8	4.5	8.8	1.4
16	4.9	3.5	1.2	0.8	1.2	1.0	0.6	0.5	0.5	2.1	3.2	4.7	3.1	2.4	2.0	2.1	4.0	2.6	1.3	0.9	1.6	2.3	2.6	1.5	2.1	4.9	0.5
17	1.7	1.4	1.0	0.7	0.8	0.7	0.9	0.5	0.8	1.4	2.8	1.7	2.8	3.8	3.2	2.7	4.0	5.4	2.8	4.2	1.9	2.7	5.1	2.7	2.3	5.4	0.5
18	2.1	3.0	2.6	5.3	3.0	1.7	2.2	0.9	1.1	1.1	2.6	5.8	5.6	11.6	8.3	11.0	11.8	12.0	9.1	6.5	5.5	4.1	3.7	3.7	5.2	12.0	0.9
19	4.6	2.8	2.0	1.5	2.9	3.5	1.8	0.8	1.0	1.5	4.2	4.8	5.2	6.5	5.3	4.2	3.0	1.3	0.7	2.3	3.4	2.6	1.5	1.2	2.9	6.5	0.7
20	0.7	3.5	5.4	7.3	7.2	5.8	7.5	7.3	8.0	7.7	7.1	7.8	7.3	8.4	8.9	8.5	7.6	7.1	6.0	3.3	1.9	3.2	2.3	1.7	5.9	8.9	0.7
21	1.2	0.9	1.1	1.0	0.8	1.6	1.2	1.1	0.9	1.2	1.3	1.3	1.8	3.7	3.5	4.0	3.5	3.1	3.8	5.3	6.7	6.7	6.4	7.7	2.9	7.7	0.8
22	4.9	2.1	2.4	2.5	2.5	2.6	2.0	1.5	1.9	3.1	3.3	5.1	5.5	4.9	5.8	7.7	3.9	4.7	2.6	4.6	3.8	3.5	0.6	2.0	3.5	7.7	0.6
23	3.4	5.5	6.8	7.7	4.5	4.3	5.2	7.0	7.2	8.4	8.8	8.7	8.2	10.3	11.0	9.2	8.2	6.4	5.4	5.6	7.2	5.5	5.1	4.1	6.8	11.0	3.4
24	4.4	3.1	2.6	1.5	2.9	2.6	1.1	1.2	2.6	4.3	5.1	6.0	6.9	7.3	5.2	4.9	4.7	2.5	4.9	4.0	3.1	2.8	1.8	1.2	3.6	7.3	1.1
25	0.8	1.2	1.2	1.4	1.5	1.5	2.5	2.0	1.5	1.8	1.8	2.9	2.9	2.7	1.5	2.4	5.5	3.9	3.0	4.4	4.0	4.2	3.9	2.7	2.5	5.5	0.8
26	2.3	1.8	1.9	2.3	2.6	1.2	1.3	3.1	2.9	2.0	3.2	5.5	5.8	6.0	6.7	6.8	7.1	5.5	4.4	2.9	2.1	3.6	3.9	3.4	3.7	7.1	1.2
27	2.6	2.3	2.4	2.0	1.0	0.7	1.4	3.5	5.4	4.7	5.7	7.0	7.0	6.6	5.5	7.0	5.8	5.7	5.1	2.9	1.9	1.4	4.2	5.0	4.0	7.0	0.7
28	5.2	5.2	3.2	4.0	4.7	2.0	2.2	5.6	7.2	8.0	7.8	7.9	7.9	8.3	9.2	8.0	9.1	8.1	6.3	3.6	4.4	4.4	5.0	3.5	5.9	9.2	2.0
29	2.5	2.2	2.1	1.4	2.4	1.5	3.7	4.2	5.9	6.8	7.8	6.4	7.8	9.4	7.4	7.5	9.0	8.4	5.9	5.0	1.9	2.2	2.2	1.2	4.8	9.4	1.2
30	0.8	1.4	1.0	0.7	1.0	0.8	0.6	0.7	2.0	5.7	6.3	5.8	4.9	5.5	5.3	4.9	5.6	5.3	3.4	2.4	3.7	2.6	2.5	2.3	3.1	6.3	0.6
Avg	2.3	2.3	2.3	2.4	2.3	2.0	2.0	2.4	3.0	3.8	4.9	5.6	5.9	6.5	6.1	6.0	6.1	5.6	4.4	3.7	3.3	3.1	2.9	2.6	3.8	7.8	0.9
Max	5.2	5.5	6.8	7.7	7.2	5.8	7.5	7.3	8.0	8.4	8.8	10.3	11.0	11.6	11.0	11.0	11.8	12.0	9.1	6.5	7.2	6.7	6.4	7.7	6.8	12.0	3.4
Min	0.6	0.5	1.0	0.7	0.8	0.5	0.4	0.3	0.4	0.7	0.7	0.6	1.8	2.4	1.5	1.3	1.2	1.3	0.7	0.8	1.5	1.0	0.6	0.5	1.9	4.5	0.3

A-1

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
May 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	0.8	1.2	0.5	1.3	0.6	0.5	0.5	1.0	4.5	6.0	6.3	6.7	6.1	5.2	5.2	5.7	5.6	3.5	2.1	4.3	4.4	3.1	1.8	3.3	6.7	0.5
2	1.9	1.8	1.4	1.1	1.2	1.3	1.0	0.8	5.2	7.2	7.5	7.5	7.2	8.0	7.5	5.3	4.8	4.7	5.8	3.3	1.5	1.8	1.8	1.4	3.8	8.0	0.8
3	0.8	0.8	0.8	0.9	1.4	0.9	1.2	1.6	5.4	7.5	6.9	6.6	6.9	6.7	6.9	7.5	7.9	7.9	5.8	3.8	5.0	3.6	2.0	1.4	4.2	7.9	0.8
4	1.0	1.2	1.7	2.1	0.7	2.4	1.9	2.1	1.2	2.3	1.1	3.0	6.2	7.0	3.3	3.0	3.2	4.4	3.8	1.3	2.3	3.1	2.1	3.1	2.6	7.0	0.7
5	1.9	2.2	2.2	1.5	2.9	1.5	1.0	1.5	1.0	3.2	5.5	6.2	7.2	5.0	3.0	4.2	5.2	2.7	2.2	1.3	2.3	0.7	2.0	1.7	2.8	7.2	0.7
6	1.6	1.8	1.4	0.8	0.5	0.8	1.0	1.2	1.9	4.5	5.8	5.0	9.3	8.5	8.7	6.0	5.1	4.3	5.3	5.3	3.7	2.1	3.4	4.6	3.9	9.3	0.5
7	4.0	5.2	5.2	1.5	0.8	1.3	3.4	1.8	1.7	1.8	2.1	5.5	4.3	1.6	1.5	2.0	2.5	4.9	4.9	4.6	2.4	0.6	0.7	0.6	2.7	5.5	0.6
8	1.3	2.0	1.8	1.4	1.7	0.7	0.8	0.5	1.2	4.3	4.2	4.5	5.6	5.6	5.8	5.1	5.4	5.3	4.2	2.1	3.4	3.4	2.3	3.2	5.8	0.5	
9	1.6	1.5	1.4	1.2	0.8	0.6	0.4	0.6	2.2	3.3	2.7	3.8	4.0	5.5	6.6	7.9	5.5	7.2	6.4	5.3	3.6	0.7	1.0	1.5	3.1	7.9	0.4
10	1.3	1.3	1.6	1.1	0.8	0.8	0.6	2.5	5.0	5.2	5.5	5.8	7.2	7.4	7.5	7.5	6.5	5.2	4.1	3.1	3.0	5.3	1.9	0.8	3.8	7.5	0.6
11	0.9	0.9	1.1	2.9	1.7	1.3	2.9	2.9	4.8	4.3	4.8	4.7	5.0	6.3	5.9	5.1	5.2	3.9	3.2	3.3	1.3	2.0	1.3	1.1	3.2	6.3	0.9
12	1.2	0.9	1.2	0.9	0.6	1.8	2.0	1.0	1.7	2.4	3.3	2.9	3.4	5.4	5.7	4.4	5.5	5.7	5.1	3.4	2.0	2.9	1.3	0.8	2.7	5.7	0.6
13	0.6	0.5	0.4	0.3	0.4	0.5	0.3	0.7	1.9	5.6	5.9	5.6	5.6	6.2	6.5	5.9	6.2	5.9	6.9	2.9	2.7	3.4	2.4	1.0	3.3	6.9	0.3
14	1.5	0.5	0.3	1.0	0.3	0.7	0.9	0.7	1.8	4.3	5.1	4.1	3.9	4.8	5.0	4.9	5.0	4.5	4.0	2.0	2.5	4.0	3.7	1.8	2.8	5.1	0.3
15	2.7	2.6	1.5	0.9	1.3	0.5	0.5	0.4	2.0	4.0	5.5	5.7	7.4	7.3	7.2	6.5	5.2	5.7	6.7	3.5	9.7	4.1	5.9	2.3	4.1	9.7	0.4
16	2.8	0.9	1.5	3.0	2.2	1.0	1.2	1.1	1.1	1.4	2.4	2.9	2.0	2.7	5.6	2.9	1.5	3.2	3.2	3.5	1.8	1.8	2.5	1.3	2.2	5.6	0.9
17	1.3	2.3	2.2	2.2	1.9	1.3	1.4	1.1	1.8	1.9	2.0	1.9	2.9	4.6	4.7	4.3	4.2	3.6	3.2	4.1	4.4	2.0	1.6	2.4	2.6	4.7	1.1
18	2.2	2.0	2.1	2.3	2.1	1.6	0.7	1.1	2.6	2.3	3.7	5.1	2.8	5.1	2.3	1.1	1.7	3.0	3.1	2.2	1.1	1.2	1.3	1.5	2.3	5.1	0.7
19	1.1	1.1	0.7	1.2	0.7	0.8	2.6	5.3	4.9	5.7	5.6	7.1	7.6	7.8	5.2	7.1	7.3	6.5	4.3	3.9	1.2	1.8	2.2	1.9	3.9	7.8	0.7
20	0.7	0.7	0.9	0.8	1.0	0.7	0.6	0.7	1.0	2.0	2.8	2.7	3.5	3.8	3.1	4.0	3.1	4.0	4.5	4.0	4.8	5.3	1.4	0.8	2.4	5.3	0.6
21	0.7	1.1	0.7	1.2	0.7	0.9	0.7	0.6	1.6	2.8	3.6	2.0	2.3	2.7	2.3	3.1	1.9	2.6	2.3	4.6	2.4	2.8	3.8	4.2	2.1	4.6	0.6
22	2.4	2.6	2.6	3.6	2.7	1.7	1.1	0.9	1.1	1.7	2.5	4.0	4.0	3.0	3.4	3.7	3.7	3.1	2.8	1.5	5.3	5.1	5.1	2.7	2.9	5.3	0.9
23	2.4	2.1	1.7	2.1	1.8	1.4	0.9	0.7	0.9	1.4	3.5	5.5	4.5	4.0	4.5	5.3	3.4	3.2	5.1	2.4	1.8	3.4	2.4	2.3	2.8	5.5	0.7
24	4.0	3.6	1.8	1.4	1.0	1.3	1.1	0.9	1.4	2.1	2.5	2.0	3.5	6.7	5.8	5.0	6.2	4.1	2.8	2.9	2.6	1.9	1.6	3.2	2.9	6.7	0.9
25	3.3	2.6	1.5	0.7	0.5	0.5	0.5	0.7	1.5	2.9	3.3	3.6	3.1	3.9	3.9	3.7	2.5	2.2	2.1	1.3	2.9	1.1	1.7	1.8	2.2	3.9	0.5
26	1.4	1.8	1.2	1.8	1.8	1.6	0.9	1.0	3.0	2.4	3.8	2.2	4.2	5.3	6.0	4.9	3.3	2.8	3.6	4.7	1.9	4.6	2.5	1.2	2.8	6.0	0.9
27	1.3	0.9	0.8	1.3	1.0	1.1	1.1	0.8	1.4	2.1	4.9	4.6	3.6	2.7	2.7	2.5	5.8	4.2	2.6	3.5	3.1	2.4	1.3	1.5	2.4	5.8	0.8
28	1.0	1.2	2.4	3.4	6.9	5.3	5.4	5.5	6.5	4.7	2.9	2.0	3.0	3.7	5.5	6.7	4.3	2.7	3.3	5.2	3.7	3.1	4.0	3.5	4.0	6.9	1.0
29	4.7	2.6	4.5	5.0	6.8	6.7	5.3	3.0	4.2	5.4	6.5	8.0	7.7	8.0	7.9	5.3	5.5	5.0	4.1	2.5	2.1	2.7	2.7	2.4	4.9	8.0	2.1
30	2.1	2.2	1.5	1.3	1.4	1.3	0.7	1.2	6.4	4.6	3.6	3.6	3.3	3.8	3.5	3.0	4.6	4.3	4.1	3.8	3.2	2.1	1.5	2.2	2.9	6.4	0.7
31	3.4	2.9	0.7	1.2	0.7	1.2	0.8	1.0	1.8	4.2	2.0	1.3	1.8	3.4	3.8	4.1	7.7	5.4	2.4	1.0	0.8	2.8	1.9	1.1	2.4	7.7	0.7
Avg	1.9	1.8	1.6	1.6	1.6	1.4	1.4	1.4	2.6	3.6	4.1	4.4	4.8	5.2	5.0	4.7	4.7	4.4	4.0	3.2	3.0	2.8	2.4	1.9	3.1	6.5	0.7
Max	4.7	5.2	5.2	5.0	6.9	6.7	5.4	5.5	6.5	7.5	7.5	8.0	9.3	8.5	8.7	7.9	7.9	6.9	5.3	9.7	5.3	5.9	4.6	4.9	9.7	2.1	
Min	0.6	0.5	0.3	0.3	0.3	0.5	0.3	0.4	0.9	1.4	1.1	1.3	1.8	1.6	1.5	1.1	1.5	2.2	2.1	1.0	0.8	0.6	0.7	0.6	2.1	3.9	0.3

A-2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
June 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	0.9	1.0	1.3	0.7	0.8	0.7	0.6	0.8	1.9	3.1	3.6	2.3	2.6	5.2	4.4	2.4	4.5	2.1	1.7	1.3	1.7	2.2	2.8	2.1	2.1	5.2	0.6
2	2.0	1.4	1.2	1.7	1.3	1.2	0.6	0.9	1.0	1.7	2.5	3.0	2.9	5.2	3.5	3.0	3.5	3.6	3.6	2.0	2.5	2.8	2.9	2.4	2.3	5.2	0.6
3	2.0	1.8	1.5	1.0	0.9	0.6	0.7	0.7	3.2	3.4	3.7	4.6	7.0	6.3	6.4	5.5	6.8	6.3	7.5	4.8	1.1	2.1	1.6	1.4	3.4	7.5	0.6
4	2.1	2.3	2.0	1.9	1.5	1.1	3.0	5.6	5.6	5.6	6.8	7.3	5.2	6.4	6.0	5.9	5.6	5.3	4.2	2.5	1.7	2.4	2.7	2.2	4.0	7.3	1.1
5	1.7	1.2	1.6	1.1	1.1	0.7	0.7	2.3	5.7	5.3	5.4	5.2	4.6	4.5	4.4	5.0	6.7	6.5	5.0	4.3	3.1	2.8	1.1	1.6	3.4	6.7	0.7
6	0.8	1.0	1.3	3.0	4.1	3.5	4.3	3.3	3.6	4.1	2.6	2.7	2.8	4.8	4.6	4.5	2.7	5.7	5.8	5.4	5.2	4.6	3.2	3.3	3.6	5.8	0.8
7	2.0	1.3	1.2	1.1	1.5	0.9	0.6	0.9	2.1	1.9	4.0	4.9	4.9	1.8	4.4	4.8	3.9	5.4	5.1	4.8	3.5	1.9	2.2	1.4	2.8	5.4	0.6
8	0.9	1.0	0.6	1.1	1.0	1.0	1.4	0.9	1.6	2.7	3.5	3.6	3.7	4.4	4.9	4.7	4.4	3.3	2.8	2.1	1.6	2.3	2.0	1.9	2.4	4.9	0.6
9	2.1	1.8	1.6	0.9	1.7	0.8	0.8	1.5	5.8	6.6	6.9	7.2	8.4	8.4	8.9	8.3	8.6	7.7	7.1	4.7	3.5	1.8	3.8	2.6	4.6	8.9	0.8
10	2.2	1.4	2.0	1.8	1.7	1.0	0.6	0.8	2.7	2.7	3.5	4.0	4.4	4.5	5.1	4.5	3.8	6.2	6.0	3.6	6.1	4.9	1.6	2.8	3.2	6.2	0.6
11	2.8	2.9	1.8	1.0	1.4	0.7	0.8	1.1	4.4	4.2	4.0	5.7	6.1	6.6	7.0	6.1	5.3	3.8	2.1	4.1	2.9	2.3	1.6	1.5	3.3	7.0	0.7
12	2.3	2.2	2.3	1.7	2.3	2.3	5.5	7.9	9.4	9.5	7.8	7.7	8.0	7.5	6.3	5.4	4.8	4.3	3.9	3.1	4.0	2.5	2.7	1.3	4.8	9.5	1.3
13	1.2	3.1	3.5	3.6	3.3	1.2	2.5	4.2	1.5	1.9	3.0	4.8	8.3	4.6	7.1	6.3	4.5	3.6	4.2	4.9	3.6	1.9	1.7	2.2	3.6	8.3	1.2
14	2.0	1.5	2.0	1.7	3.6	1.3	1.2	4.6	5.6	6.5	5.0	5.0	6.0	4.7	4.6	5.5	5.2	2.8	4.7	2.1	1.9	1.4	1.0	1.0	3.4	6.5	1.0
15	1.5	0.8	0.7	1.0	0.8	1.0	0.9	2.7	3.9	3.0	4.5	5.2	5.3	5.6	4.6	3.0	3.2	4.2	2.7	3.3	3.6	2.3	2.2	1.2	2.8	5.6	0.7
16	2.1	1.7	3.0	2.3	1.2	1.0	2.7	1.1	1.8	2.9	2.4	1.6	1.3	4.2	2.7	2.3	3.8	3.8	4.3	3.4	2.1	0.9	0.7	0.7	2.2	4.3	0.7
17	1.4	1.4	0.9	0.5	0.8	0.8	0.9	2.8	4.2	4.9	6.3	5.9	6.2	6.2	5.2	5.2	3.6	3.5	3.7	4.6	3.2	0.9	1.2	1.2	3.1	6.3	0.5
18	2.0	1.8	2.1	2.2	1.8	2.2	3.1	4.7	4.2	5.5	4.7	5.2	4.8	5.0	2.4	2.4	5.7	4.0	4.0	3.4	3.4	3.8	4.4	4.9	3.7	5.7	1.8
19	1.5	1.3	2.7	1.5	1.6	1.6	1.1	1.0	3.6	7.7	7.5	5.9	5.6	5.5	4.4	6.5	7.0	6.5	3.4	1.9	1.9	2.4	2.0	1.3	3.6	7.7	1.0
20	2.2	1.5	2.3	2.1	1.3	0.9	1.4	1.3	6.0	7.0	6.2	4.5	3.4	8.0	7.4	4.0	1.2	1.6	9.1	5.7	4.6	1.0	2.2	2.4	3.6	9.1	0.9
21	1.7	2.1	1.0	0.9	1.1	0.7	0.9	1.2	2.6	4.3	4.4	3.9	3.4	3.2	3.7	3.4	3.6	3.7	4.5	2.3	2.0	1.5	1.3	1.5	2.5	4.5	0.7
22	2.7	2.9	1.8	1.1	1.7	1.2	1.0	3.9	4.5	6.3	5.7	4.3	4.7	5.2	2.6	4.8	2.9	2.6	1.5	1.2	1.9	1.4	1.7	1.8	2.9	6.3	1.0
23	1.1	1.0	0.7	1.1	1.4	1.0	0.6	0.7	0.8	1.3	2.4	4.6	4.8	3.6	5.3	2.5	3.2	1.7	0.9	1.3	1.6	2.3	2.4	2.3	2.0	5.3	0.6
24	1.9	1.9	1.6	1.8	1.5	1.2	0.6	0.7	Au	Au	Au	4.0	4.1	3.4	4.8	4.1	4.5	2.8	3.4	2.1	3.7	3.4	2.7	1.2	2.6	4.8	0.6
25	1.2	2.9	1.7	2.0	2.3	1.6	1.4	0.6	2.6	2.9	2.7	3.8	3.9	4.2	3.7	3.4	2.8	1.4	3.8	4.8	1.5	2.0	1.7	1.4	2.5	4.8	0.6
26	1.7	1.5	1.5	1.2	1.3	2.2	2.7	0.9	1.1	2.1	1.2	1.0	1.7	4.2	4.6	2.8	3.1	2.3	3.6	1.3	0.9	2.6	2.1	2.0	2.1	4.6	0.9
27	1.2	1.0	0.8	1.0	0.9	0.6	0.8	2.3	3.7	4.8	5.3	4.7	3.0	3.2	2.0	3.5	3.7	4.4	3.0	6.0	1.3	1.7	1.3	1.2	2.6	6.0	0.6
28	1.8	3.0	1.6	1.1	0.7	0.7	1.9	4.3	6.5	6.5	8.4	9.0	8.4	8.1	9.5	8.6	8.0	7.1	8.1	8.2	8.5	3.8	2.8	1.6	5.3	9.5	0.7
29	2.5	2.8	2.3	1.9	1.6	3.1	6.0	8.8	9.9	8.4	8.3	10.5	10.4	9.8	9.5	8.5	8.3	8.1	6.4	6.5	6.1	5.5	2.9	3.0	6.3	10.5	1.6
30	4.1	1.8	1.3	0.9	0.6	0.8	1.1	2.6	3.9	5.9	5.2	5.9	4.8	5.9	6.6	5.2	5.2	5.3	4.8	4.3	1.8	1.8	1.7	1.5	3.5	6.6	0.6
Avg	1.9	1.8	1.7	1.5	1.6	1.3	1.7	2.5	3.9	4.6	4.7	4.9	5.0	5.3	5.2	4.7	4.7	4.3	4.4	3.7	3.0	2.4	2.1	1.9	3.3	6.5	0.8
Max	4.1	3.1	3.5	3.6	4.1	3.5	6.0	8.8	9.9	9.5	8.4	10.5	10.4	9.8	9.5	8.6	8.6	8.1	9.1	8.2	8.5	5.5	4.4	4.9	6.3	10.5	1.8
Min	0.8	0.8	0.6	0.5	0.6	0.6	0.6	0.6	0.8	1.3	1.2	1.0	1.3	1.8	2.0	2.3	1.2	1.4	0.9	1.2	0.9	0.9	0.7	0.7	2.0	4.3	0.5

A-3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
April 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	106	111	131	132	91	94	22	140	352	118	189	328	264	285	306	5	13	332	312	207	114	150	140	148	102
2	145	133	90	59	61	79	56	50	14	49	22	244	254	260	257	262	311	310	318	335	325	217	85	117	15
3	86	67	78	13	137	357	13	Wx	29	86	296	255	175	250	238	44	113	220	161	141	137	137	114	133	111
4	138	117	120	90	89	76	93	128	57	201	198	221	227	198	249	293	266	154	130	190	246	148	58	162	155
5	287	248	49	356	38	97	15	235	262	269	273	255	262	271	284	273	269	273	271	275	275	248	151	180	272
6	275	340	265	260	284	298	273	279	262	263	272	271	278	277	283	316	306	325	304	301	301	291	291	212	285
7	59	333	94	74	70	107	78	38	163	119	283	278	288	301	293	285	284	274	275	264	35	74	78	84	11
8	82	81	86	90	64	100	72	88	94	44	121	85	237	296	301	264	260	265	253	107	85	48	94	80	81
9	50	148	90	298	260	256	254	268	273	271	287	272	298	287	283	287	279	287	289	280	282	289	261	357	282
10	72	45	100	78	115	122	65	294	271	264	263	268	268	266	259	260	259	264	265	157	143	97	93	73	222
11	39	99	133	97	44	31	145	32	114	345	275	281	281	282	274	271	282	306	325	310	298	318	290	196	315
12	6	313	306	289	307	291	246	295	310	277	314	329	355	352	5	351	6	10	20	27	350	329	357	347	332
13	305	289	260	282	17	12	1	308	308	297	283	310	3	25	28	356	339	335	326	337	66	107	85	76	343
14	71	66	108	106	141	177	80	168	44	6	271	284	269	273	258	260	257	259	255	239	169	120	90	74	184
15	91	103	80	70	76	123	260	272	286	272	270	274	259	301	296	297	321	312	289	289	288	292	291	286	294
16	283	303	167	95	158	183	75	53	90	247	324	281	298	22	90	353	336	333	77	319	149	153	132	146	61
17	147	126	108	163	124	204	143	38	5	112	223	350	56	72	125	164	188	219	166	92	332	78	82	94	119
18	107	130	323	278	331	77	93	118	191	209	248	258	267	282	276	270	270	269	270	279	274	265	258	245	260
19	293	248	142	132	88	86	90	20	23	83	250	257	263	253	248	210	155	93	353	95	94	104	115	95	116
20	321	305	270	273	276	292	281	278	260	248	249	247	255	256	259	261	261	282	294	295	138	97	103	75	270
21	114	77	86	106	60	92	51	151	55	29	341	52	59	144	174	177	166	142	123	123	126	137	155	149	109
22	146	135	144	117	100	111	126	130	164	144	140	150	150	132	137	158	159	294	248	287	273	283	290	349	154
23	292	270	279	281	291	273	265	268	267	265	261	265	271	267	261	268	269	290	249	261	264	262	259	261	269
24	263	281	275	338	283	293	334	106	213	224	207	220	228	218	260	274	257	231	249	253	216	96	92	117	245
25	348	4	106	130	115	49	115	127	107	97	113	140	149	129	66	72	133	93	77	99	94	98	104	124	101
26	157	163	154	177	147	115	114	164	291	322	288	295	310	303	298	304	300	316	318	317	300	293	291	290	282
27	301	301	300	302	262	342	275	290	276	283	270	256	259	269	269	309	309	313	317	320	47	27	290	277	296
28	262	280	301	293	285	329	297	289	285	288	293	301	303	307	321	320	328	335	338	335	319	319	318	327	307
29	332	316	328	319	313	314	321	321	323	324	338	334	331	334	353	341	331	326	342	334	3	75	86	53	338
30	11	88	105	54	92	85	128	112	198	330	12	359	341	330	348	317	293	304	307	72	75	71	65	83	37
Prev	36	52	106	61	70	69	55	36	306	287	273	278	275	283	283	292	284	294	295	295	331	94	89	107	300

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Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
May 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	74	60	125	57	135	51	146	5	9	277	264	278	302	301	319	320	293	287	302	21	82	65	68	40	6
2	53	82	54	359	43	34	119	32	289	276	287	292	294	299	295	291	300	308	262	251	253	245	239	78	311
3	52	48	324	358	12	92	114	179	145	147	158	154	143	154	154	161	163	160	163	169	158	151	134	87	136
4	26	51	81	113	24	165	106	167	1	321	186	301	261	266	262	248	305	303	295	324	68	162	79	88	350
5	89	104	104	106	76	45	38	315	313	280	288	286	294	279	264	293	258	3	91	89	83	356	96	101	20
6	64	86	108	29	36	63	354	287	316	312	307	315	22	15	14	7	5	335	345	14	8	345	355	9	4
7	4	15	15	7	323	17	66	77	212	272	141	143	146	133	250	177	168	151	151	160	143	132	110	100	123
8	130	105	74	Wx	46	199	187	55	164	257	268	258	258	252	265	261	266	277	254	244	73	79	75	64	224
9	64	126	138	124	7	9	6	310	324	255	285	265	279	281	272	311	309	288	298	297	317	79	33	108	320
10	133	82	93	47	11	33	35	339	335	336	345	12	10	10	7	19	11	355	4	348	35	52	80	55	23
11	123	127	171	149	177	325	315	306	260	281	315	324	7	12	3	1	12	7	343	332	315	61	35	339	346
12	321	348	308	222	346	43	60	289	221	277	315	330	292	286	273	337	328	308	314	310	103	74	57	32	325
13	62	117	16	Wx	Wx	Wx	324	117	238	269	278	296	314	304	297	318	321	311	332	345	9	87	50	26	336
14	123	179	360	133	352	112	154	10	327	273	284	286	295	292	287	291	326	326	343	111	80	76	51	335	
15	79	73	83	87	119	80	137	8	316	282	299	284	294	289	295	321	308	327	21	38	8	5	3	199	356
16	303	288	321	315	339	35	120	182	163	57	331	308	253	321	306	316	246	265	323	313	147	149	109	59	311
17	43	85	85	93	89	57	151	107	81	61	105	187	207	147	148	120	70	132	123	137	168	51	102	112	109
18	112	121	74	65	73	81	23	81	339	168	153	148	74	312	6	147	188	234	247	266	336	123	80	310	92
19	127	135	86	119	30	144	258	263	254	263	274	256	260	264	280	260	267	297	316	345	30	80	72	65	282
20	45	30	Wx	Wx	5	155	92	203	331	290	208	256	246	279	253	61	86	85	65	77	74	76	66	84	64
21	327	146	54	64	12	55	346	331	169	175	178	240	161	214	170	245	233	258	250	145	67	75	84	91	147
22	101	96	93	67	81	107	143	319	2	329	276	205	232	267	247	241	241	292	268	307	80	67	66	89	33
23	69	78	71	106	61	79	151	339	337	356	237	202	222	192	237	205	223	229	284	310	43	63	105	46	97
24	71	62	159	160	356	354	143	207	299	326	325	281	278	22	80	53	343	7	122	79	84	77	50	67	43
25	83	85	99	317	75	67	107	171	333	264	263	292	275	278	267	267	210	220	178	202	97	90	74	26	187
26	48	64	18	115	110	107	106	337	300	287	287	284	235	233	269	295	297	293	309	351	41	319	326	132	325
27	131	142	96	86	98	16	340	5	20	53	158	143	156	100	151	60	138	121	140	102	78	330	113	149	101
28	127	189	123	126	149	157	148	150	156	173	173	201	153	137	135	134	211	270	296	263	271	326	344	337	172
29	328	5	295	288	289	301	287	282	254	257	249	262	263	272	274	258	274	290	305	313	131	99	52	85	287
30	56	106	36	60	63	127	320	347	152	136	145	154	139	152	145	120	151	130	129	116	93	165	19	353	110
31	79	102	19	62	46	86	358	347	305	254	292	355	288	293	263	321	327	20	58	48	286	76	29	35	4
Prev	71	89	69	79	44	69	85	337	300	279	261	265	261	278	271	295	277	298	307	342	67	74	64	64	19

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Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
June 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	345	145	9	14	118	41	323	278	318	303	72	184	147	164	123	153	135	139	111	127	101	92	94	101
2	79	138	130	68	96	136	53	355	360	323	304	268	247	209	123	113	217	237	270	284	111	95	84	89	108
3	57	65	110	78	28	15	38	71	176	148	239	276	300	299	299	296	317	297	295	306	308	136	115	88	357
4	103	84	88	93	122	54	311	285	279	288	296	307	307	302	317	320	306	292	302	284	142	96	86	105	334
5	106	63	134	144	130	359	356	320	297	275	295	303	290	299	300	284	258	255	271	258	262	241	304	244	283
6	238	277	11	150	139	145	162	147	153	153	159	162	234	305	308	295	289	155	152	154	156	155	138	144	172
7	131	122	140	109	83	54	3	339	168	120	291	272	302	359	318	299	330	19	27	20	36	103	46	116	39
8	154	88	342	351	38	141	148	302	109	193	292	274	294	274	282	278	290	286	254	241	130	108	121	116	249
9	88	104	134	66	136	201	320	183	240	273	270	250	271	271	277	281	271	279	305	313	283	3	333	122	271
10	97	115	93	54	78	63	344	21	315	282	262	260	281	275	299	292	322	317	351	325	9	23	300	272	333
11	320	308	19	90	147	94	181	9	301	280	317	311	320	319	309	319	321	24	11	134	140	142	115	114	354
12	95	111	87	106	105	145	149	150	154	149	144	139	137	136	127	123	133	131	115	114	116	123	109	253	128
13	77	116	307	296	309	329	318	296	263	16	309	292	287	302	296	304	303	310	29	116	87	45	100	82	331
14	61	121	88	32	302	6	304	276	268	272	319	302	281	272	266	288	299	306	291	316	347	253	230	170	297
15	74	111	247	190	333	167	60	293	248	256	251	245	266	268	293	291	295	258	117	80	88	92	132	187	235
16	112	215	263	269	275	216	259	290	305	303	324	323	288	194	77	128	152	166	138	154	146	96	357	309	238
17	104	74	51	6	89	39	191	141	193	267	260	257	251	249	261	255	282	285	258	263	273	237	49	53	262
18	84	231	290	77	95	233	251	281	278	262	259	231	229	204	248	247	278	266	231	226	249	245	236	242	245
19	266	308	264	272	66	78	111	29	285	255	247	251	253	261	278	275	266	268	269	107	78	136	141	101	260
20	83	70	54	67	49	132	48	345	274	272	284	282	267	248	25	63	122	161	169	234	58	155	93	96	79
21	123	70	128	28	122	122	350	120	314	303	308	285	281	298	324	294	291	308	36	49	69	69	101	48	15
22	74	73	66	65	98	127	130	144	155	157	154	165	116	319	353	93	73	301	302	74	101	118	91	69	98
23	24	102	158	135	155	198	11	160	208	334	304	57	80	127	249	59	150	212	271	332	99	86	72	94	112
24	89	75	67	59	87	107	350	345	Au	Au	Au	152	162	154	160	160	299	98	85	114	167	137	99	268	110
25	138	81	46	93	93	36	131	147	289	262	261	287	258	273	281	268	270	191	189	151	156	159	130	33	184
26	103	138	119	150	135	88	104	285	299	323	329	287	311	289	273	299	75	273	298	284	167	72	110	80	334
27	68	124	182	103	147	210	43	264	258	268	260	285	317	309	295	335	284	289	256	277	152	100	134	141	249
28	96	78	105	103	231	160	291	260	257	260	270	266	286	285	289	292	285	280	278	279	292	303	121	270	
29	96	87	91	88	102	262	264	258	258	264	271	267	270	271	276	277	279	278	268	288	283	299	309	264	274
30	290	85	214	237	197	13	328	321	297	292	296	309	300	312	296	297	283	310	316	311	57	150	102	75	305
Prev	91	94	100	81	100	110	10	303	261	271	280	272	272	273	289	291	284	272	281	274	116	117	97	109	279

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
April 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	26	15	21	25	65	70	84	64	71	64	33	62	9	11	11	49	43	57	47	103	18	9	7	6	40	103	6	
2	9	15	34	26	22	12	39	38	43	44	38	10	7	11	11	10	17	18	12	7	56	71	84	29	28	84	7	
3	27	22	30	61	42	30	33	Wx	48	71	61	11	47	13	42	71	86	28	15	46	12	17	28	31	38	86	11	
4	21	28	27	14	8	46	19	48	90	11	12	19	17	19	70	24	39	21	62	26	22	31	91	89	36	91	8	
5	33	27	84	65	60	39	47	92	12	15	13	12	11	14	12	11	15	12	10	9	10	50	33	86	32	92	9	
6	72	62	18	9	27	50	20	29	10	10	12	12	11	12	12	40	22	24	23	19	13	7	9	61	24	72	7	
7	96	35	72	11	8	21	42	57	76	57	14	12	16	9	11	11	12	9	11	11	78	12	19	21	30	96	8	
8	26	38	41	60	55	57	54	77	88	85	63	58	82	34	89	10	9	13	40	40	33	58	18	92	51	92	9	
9	75	83	58	68	12	11	11	9	11	10	14	12	9	11	14	9	12	10	7	7	11	13	35	49	23	83	7	
10	60	52	43	44	51	75	42	35	11	11	13	14	12	11	11	11	8	9	13	90	41	16	33	41	31	90	8	
11	69	68	48	43	52	61	76	65	59	56	22	10	11	11	14	12	17	14	8	17	11	9	33	69	36	76	8	
12	12	14	38	25	14	20	46	17	9	8	11	27	18	17	10	19	10	10	20	20	71	31	12	28	21	71	8	
13	47	18	13	72	62	53	4	77	16	56	31	47	14	10	11	21	19	13	8	9	78	54	14	16	32	78	4	
14	10	16	26	19	17	58	77	73	57	50	18	15	19	16	14	17	12	11	11	28	23	23	42	34	29	77	10	
15	35	81	89	26	27	47	45	25	12	11	17	16	11	19	14	13	11	14	9	7	9	15	21	11	24	89	7	
16	9	10	50	82	26	72	80	53	78	82	37	34	58	41	50	29	6	8	61	51	34	20	49	34	44	82	6	
17	21	16	19	57	49	68	17	58	14	36	81	61	14	10	82	44	26	20	100	22	70	37	12	22	40	100	10	
18	32	59	82	13	70	46	24	60	63	50	26	17	15	14	13	15	13	12	10	11	15	11	15	18	29	82	10	
19	28	53	64	76	23	14	62	56	76	56	16	13	17	13	28	21	26	71	35	42	16	20	62	67	40	76	13	
20	84	44	7	15	12	10	17	15	18	16	13	11	12	14	12	13	13	14	12	11	89	31	30	48	23	89	7	
21	49	69	41	46	38	44	56	78	85	22	20	68	50	16	24	23	14	14	11	11	11	14	22	25	35	85	11	
22	18	25	15	22	22	22	54	31	35	11	13	18	13	11	9	17	73	40	45	18	15	24	74	81	29	81	9	
23	36	10	10	10	13	13	12	10	11	10	11	11	12	13	14	14	25	14	16	13	14	12	13	12	14	36	10	
24	13	16	24	26	20	22	56	42	60	16	17	15	15	10	26	25	14	41	8	9	97	24	44	51	29	97	8	
25	77	101	52	26	29	50	38	19	30	23	31	16	35	39	47	44	14	34	13	17	9	10	13	22	33	101	9	
26	16	45	32	40	65	54	81	26	26	24	23	16	13	18	10	11	8	11	7	10	16	10	8	11	24	81	7	
27	7	15	11	22	60	69	59	17	16	20	19	17	16	20	19	12	15	16	10	30	46	69	37	10	26	69	7	
28	8	13	13	14	8	56	61	10	11	9	14	14	13	18	16	13	16	16	13	12	31	9	8	7	11	17	61	7
29	7	19	22	26	13	43	10	11	9	14	17	26	14	13	21	18	13	12	18	11	25	18	20	23	18	43	7	
30	19	30	27	33	23	47	73	89	98	17	23	32	31	20	28	35	17	13	8	57	12	17	25	22	33	98	8	
Avg	35	37	37	36	33	43	45	44	41	32	24	24	21	16	25	22	21	20	22	26	32	25	30	37	30	82	8	
Max	96	101	89	82	70	75	84	92	98	85	81	68	82	41	89	71	86	71	100	103	97	71	91	92	51	103	13	
Min	7	10	7	9	8	10	4	9	9	8	11	10	7	9	9	9	6	8	7	7	9	7	7	6	14	36	4	

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Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Standard Deviation of Wind Direction (degrees)
May 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	20	37	32	71	21	57	83	16	49	21	16	17	21	15	16	20	23	18	12	101	12	13	14	32	31	101	12
2	39	17	31	25	53	31	55	86	25	15	16	21	21	15	17	19	29	22	8	29	68	87	73	41	35	87	8
3	54	54	88	89	58	91	51	37	8	8	11	9	10	10	8	10	6	6	9	14	7	12	36	30	30	91	6
4	57	47	16	32	59	66	93	45	78	30	65	76	14	13	27	28	38	19	16	27	57	68	75	18	44	93	13
5	30	25	22	84	59	45	69	56	89	49	22	27	18	32	31	20	38	56	25	71	10	55	34	18	41	89	10
6	38	18	69	33	57	44	14	55	28	21	13	24	9	11	11	21	18	35	20	11	13	20	17	7	25	69	7
7	11	7	7	65	69	91	15	24	81	98	43	10	16	61	72	29	27	7	9	7	15	83	56	56	40	98	7
8	28	17	50	Wx	75	101	82	75	99	22	27	32	27	25	24	29	25	19	13	66	29	11	13	30	40	101	11
9	34	22	15	53	51	34	39	89	73	20	29	18	17	11	15	22	23	11	13	16	14	67	93	58	35	93	11
10	81	40	39	54	37	41	63	35	22	27	35	19	16	16	18	15	17	16	15	14	34	12	18	83	32	83	12
11	67	58	58	12	77	29	12	31	14	14	12	16	20	7	13	13	16	29	25	19	45	34	60	42	30	77	7
12	30	58	82	65	51	18	32	54	84	79	50	74	33	21	36	29	31	14	11	15	51	12	29	49	42	84	11
13	54	29	33	Wx	Wx	Wx	71	58	71	19	23	27	20	22	19	26	13	21	29	22	72	23	24	23	33	72	13
14	37	64	63	63	46	28	78	83	35	29	29	28	32	29	24	14	15	15	9	32	24	11	10	34	35	83	9
15	24	22	38	33	23	56	93	63	63	29	20	20	19	17	15	15	18	9	13	52	41	60	21	75	35	93	9
16	28	84	31	19	21	40	37	78	91	66	46	56	86	50	24	25	39	12	19	10	61	69	35	36	44	91	10
17	26	36	28	12	19	45	49	45	27	44	88	47	70	28	28	28	22	36	25	39	65	87	41	16	40	88	12
18	22	17	27	26	24	53	67	88	94	54	15	13	16	15	76	59	74	22	11	21	96	46	44	83	44	96	11
19	39	68	84	59	50	57	34	16	12	12	14	17	16	20	28	19	18	33	15	10	81	28	19	41	33	84	10
20	58	36	Wx	Wx	46	56	96	80	69	76	55	46	36	38	64	55	29	48	11	17	8	8	86	82	50	96	8
21	100	38	64	54	40	64	79	79	37	44	35	93	66	48	54	44	43	34	32	23	34	38	12	18	49	100	12
22	31	24	22	19	24	31	56	40	37	54	38	24	26	29	41	36	26	39	19	58	8	13	11	34	31	58	8
23	29	35	57	42	26	44	64	34	42	53	38	22	38	47	29	27	30	31	33	38	36	24	77	88	41	88	22
24	18	27	78	37	73	75	25	82	27	36	34	44	32	43	12	24	28	45	40	18	61	51	23	10	39	82	10
25	10	12	24	64	80	100	68	80	73	32	29	27	31	24	21	31	53	42	33	91	13	58	29	35	44	100	10
26	72	50	31	24	27	55	76	75	25	38	42	52	37	26	19	14	31	24	33	34	92	22	44	53	42	92	14
27	59	57	69	55	51	31	29	49	36	66	29	20	49	62	74	63	22	62	83	74	34	85	60	46	53	85	20
28	70	80	33	25	9	10	14	11	9	14	34	50	35	25	17	10	67	44	21	12	14	88	45	16	31	88	9
29	13	67	24	9	9	10	10	17	22	18	19	18	20	17	19	23	25	20	16	13	56	17	21	38	22	67	9
30	31	23	30	36	52	52	68	45	13	16	36	39	34	38	29	35	19	15	13	15	15	83	80	61	37	83	13
31	25	27	95	45	51	46	10	31	25	20	63	58	55	47	25	40	39	62	34	91	86	20	39	74	46	95	10
Avg	40	39	45	43	45	50	53	53	47	36	33	34	30	28	29	27	29	28	21	34	40	42	40	43	38	87	11
Max	100	84	95	89	80	101	96	89	99	98	88	93	86	62	76	63	74	62	83	101	96	88	93	88	53	101	22
Min	10	7	7	9	9	10	10	11	8	8	11	9	9	7	8	10	6	6	8	7	7	8	10	7	22	58	6

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

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

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Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
April 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	-5.5	-7.1	-8.1	-10.0	-10.6	-11.4	-12.3	-12.3	-10.1	-8.0	-4.3	-1.2	0.2	1.1	1.8	1.4	0.2	-0.2	-0.5	-0.3	-0.4	-1.1	-1.5	-2.3	-4.3	1.8	-12.3
2	-3.8	-5.7	-7.5	-9.5	-9.5	-8.8	-7.4	-6.3	-5.6	-4.8	-3.8	-2.4	-0.3	1.5	2.1	1.2	1.0	0.5	0.0	-1.1	-2.9	-2.6	-4.2	-6.6	-3.6	2.1	-9.5
3	-8.0	-8.3	-8.6	-8.6	-9.2	-10.5	-11.0	-10.6	-9.1	-5.8	-0.6	0.7	-0.2	1.3	2.7	3.0	3.5	3.8	1.3	0.2	-1.1	-2.9	-4.0	-4.8	-3.6	3.8	-11.0
4	-5.4	-5.8	-5.9	-3.1	-2.0	-3.0	-3.8	-4.2	-2.2	2.2	3.3	4.3	4.8	5.1	4.2	4.3	3.7	2.0	1.9	2.0	1.0	0.2	-0.2	-0.6	0.1	5.1	-5.9
5	-0.2	-0.6	-1.7	-2.3	-3.0	-3.9	-4.7	-4.2	-0.4	1.0	1.8	2.1	2.5	3.1	3.3	3.3	3.4	3.2	2.8	2.2	1.1	-0.3	-0.5	-1.0	0.3	3.4	-4.7
6	-0.9	-0.7	0.2	0.3	0.3	0.4	0.5	0.9	1.5	2.3	3.2	3.9	4.4	4.8	4.0	2.4	2.4	3.0	0.7	2.2	2.6	2.1	1.6	0.6	1.8	4.8	-0.9
7	-1.1	-2.9	-2.9	-4.3	-4.8	-6.7	-7.3	-7.1	-5.3	-1.2	5.3	6.3	7.2	8.1	8.8	9.2	9.3	9.4	8.5	7.0	5.1	3.8	1.0	-0.9	1.9	9.4	-7.3
8	-2.0	-2.7	-2.7	-3.3	-3.9	-4.0	-4.3	-3.5	-2.6	-1.5	1.5	4.8	7.7	10.0	11.0	12.7	12.6	12.6	11.5	9.2	6.6	6.6	6.8	5.2	3.7	12.7	-4.3
9	5.5	6.2	5.5	5.5	6.2	7.2	7.7	8.5	8.4	7.8	6.6	6.5	6.6	6.9	7.4	7.3	7.7	7.2	6.3	5.5	4.8	3.8	2.4	0.8	6.2	8.5	0.8
10	-0.3	-2.4	-2.5	-3.7	-4.3	-4.5	-3.8	-1.0	1.6	2.4	3.5	4.7	5.7	6.6	7.0	7.8	7.8	7.4	6.8	4.6	1.4	-0.3	-1.9	-2.9	1.7	7.8	-4.5
11	-3.6	-3.6	-3.6	-3.7	-5.3	-4.7	-4.3	-3.5	-2.7	0.6	5.5	6.8	7.7	8.4	9.0	9.3	9.6	9.0	7.9	7.5	7.1	5.3	4.1	3.7	2.8	9.6	-5.3
12	2.0	1.0	0.8	0.2	-0.5	-0.7	-0.8	-0.7	0.4	0.7	0.4	0.0	-0.6	-2.4	-3.1	-2.9	-4.0	-4.8	-5.2	-5.2	-5.5	-6.2	-6.7	-7.0	-2.1	2.0	-7.0
13	-7.3	-7.8	-8.6	-8.9	-9.6	-8.9	-8.8	-8.6	-7.6	-5.7	-4.8	-3.7	-3.2	-3.1	-2.7	-2.3	-2.0	-2.2	-2.4	-3.1	-4.8	-7.1	-8.7	-9.3	-5.9	-2.0	-9.6
14	-10.1	-10.6	-12.4	-13.0	-14.2	-14.5	-14.7	-12.9	-9.3	-3.3	0.5	1.9	3.2	4.3	5.2	6.2	7.3	7.3	6.5	4.7	2.9	0.0	-1.8	-1.9	-2.9	7.3	-14.7
15	-1.8	2.3	3.8	1.1	-0.2	-0.1	3.0	5.0	5.2	5.1	4.8	4.3	4.4	3.9	2.1	1.1	1.0	-0.2	-0.5	-0.5	-0.8	-1.0	-0.8	1.7	5.2	-1.8	
16	-0.9	-1.5	-2.9	-2.5	-4.2	-5.8	-6.1	-6.1	-4.9	-1.1	0.4	0.6	-0.6	-0.2	0.8	1.5	1.7	1.4	1.2	0.2	-1.1	-0.8	-0.9	-1.0	-1.4	1.7	-6.1
17	-1.1	-1.1	-1.2	-1.5	-1.8	-1.9	-2.0	-2.0	-0.1	2.9	3.6	2.7	2.7	4.7	7.1	7.9	8.9	8.1	7.1	4.6	5.3	5.2	3.8	4.1	2.8	8.9	-2.0
18	5.2	5.5	4.4	4.4	2.9	2.2	2.1	2.1	2.5	3.6	4.4	5.3	4.6	0.5	1.0	2.9	2.3	3.0	2.6	2.0	1.6	1.1	0.3	0.6	2.8	5.5	0.3
19	0.0	-0.9	-2.4	-4.0	-5.4	-6.6	-7.3	-5.9	-2.1	2.9	5.1	6.3	7.7	8.9	9.8	10.2	10.1	11.4	10.3	5.4	3.2	1.7	0.8	0.3	2.5	11.4	-7.3
20	-0.7	2.7	5.4	3.9	3.0	2.1	2.2	2.6	3.0	3.6	4.4	5.5	6.4	6.9	7.6	8.1	8.3	8.2	7.4	6.2	3.9	0.2	-0.5	-1.0	4.1	8.3	-1.0
21	-1.5	-2.1	-3.0	-4.3	-4.4	-5.3	-5.0	-2.6	1.2	6.4	8.0	9.6	10.9	11.8	12.6	13.0	13.0	12.1	12.0	11.1	10.3	9.4	8.8	8.6	5.4	13.0	-5.3
22	7.5	7.8	6.5	5.0	2.4	2.2	2.6	4.6	9.1	10.2	11.6	13.2	13.7	13.5	13.7	12.3	8.1	5.7	4.9	2.5	2.0	1.1	0.5	0.6	6.7	13.7	0.5
23	0.5	0.0	-0.6	-1.3	-2.0	-1.9	-1.9	-1.7	-1.2	-0.2	0.2	1.1	1.7	2.9	3.4	3.1	2.3	1.9	2.2	1.6	0.3	-0.2	-0.7	-0.8	0.4	3.4	-2.0
24	-0.7	-0.8	-0.7	-0.4	0.0	0.1	0.1	1.6	3.0	3.7	4.3	4.9	5.4	4.4	4.2	4.6	3.1	4.3	4.7	3.6	1.9	0.1	-1.1	-1.8	2.0	5.4	-1.8
25	-1.7	-2.2	-2.4	-2.6	-2.2	-2.5	-1.4	0.1	2.2	4.3	5.4	6.3	7.2	7.9	8.9	9.4	8.7	7.2	7.0	6.4	4.6	4.1	3.8	3.4	3.4	9.4	-2.6
26	2.2	2.4	2.8	2.8	2.9	3.3	3.3	3.5	1.8	1.7	3.0	3.4	3.5	4.2	4.9	4.7	3.5	2.2	1.0	-0.1	-0.4	-0.8	-1.4	-1.2	2.2	4.9	-1.4
27	-1.2	-1.1	-0.9	-1.0	-1.5	-1.5	-1.5	-0.8	0.3	1.0	1.8	3.3	4.2	4.9	4.8	5.0	5.3	5.7	5.3	3.5	0.8	-1.0	0.4	0.3	1.5	5.7	-1.5
28	-0.7	-1.0	-1.0	-1.0	-1.3	-1.9	-1.3	-0.5	0.2	1.2	2.1	2.4	2.8	3.6	2.9	3.4	3.9	3.4	3.1	1.8	1.9	1.6	0.9	0.2	1.1	3.9	-1.9
29	-0.9	-2.2	-2.5	-2.7	-3.0	-2.6	-1.0	-0.5	0.9	3.0	4.2	4.7	5.8	6.3	6.6	7.2	7.3	7.5	6.8	5.8	3.4	0.4	-1.8	-3.2	2.1	7.5	-3.2
30	-4.1	-5.1	-6.0	-6.8	-7.0	-7.3	-6.0	-1.5	4.4	8.0	9.0	9.8	10.5	11.0	11.6	11.9	11.9	11.6	10.1	6.6	3.3	1.3	0.4	-1.0	3.2	11.9	-7.3
Avg	-1.4	-1.6	-2.0	-2.5	-3.1	-3.4	-3.2	-2.3	-0.6	1.4	3.0	3.9	4.6	5.0	5.4	5.6	5.4	5.1	4.4	3.2	1.9	0.8	-0.0	-0.7	1.2	6.5	-4.7
Max	7.5	7.8	6.5	5.5	6.2	7.2	7.7	8.5	9.1	10.2	11.6	13.2	13.7	13.5	13.7	13.0	13.0	12.6	12.0	11.1	10.3	9.4	8.8	8.6	6.7	13.7	0.8
Min	-10.1	-10.6	-12.4	-13.0	-14.2	-14.5	-14.7	-12.9	-10.1	-8.0	-4.8	-3.7	-3.2	-3.1	-3.1	-2.9	-4.0	-4.8	-5.2	-5.2	-5.5	-7.1	-8.7	-9.3	-5.9	-2.0	-14.7

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Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
May 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	-2.2	-3.0	-3.4	-4.0	-4.3	-4.3	-2.6	2.0	8.1	11.8	13.3	14.2	15.4	16.1	16.4	16.9	17.1	17.0	16.2	11.9	6.8	5.6	4.3	3.1	7.2	17.1	-4.3
2	2.1	1.2	0.4	0.2	0.0	-0.4	1.3	7.2	12.6	13.7	14.4	15.5	16.0	15.9	15.9	15.7	15.5	15.0	12.1	9.6	7.9	6.6	5.4	4.2	8.7	16.0	-0.4
3	3.2	2.0	0.9	2.0	2.6	2.9	3.2	4.1	4.6	4.7	4.9	5.8	6.5	6.5	5.5	4.7	4.0	3.0	2.7	1.9	1.2	0.6	0.1	-0.8	3.2	6.5	-0.8
4	-1.3	-0.5	-0.1	0.1	0.0	0.0	0.5	0.9	1.4	1.0	2.9	5.6	8.0	6.8	7.0	8.2	9.4	9.7	9.5	7.9	5.0	5.1	4.3	2.8	3.9	9.7	-1.3
5	1.4	0.2	0.0	-0.6	0.5	0.3	1.4	3.7	5.4	7.6	8.8	9.6	9.5	8.9	9.4	9.9	7.5	7.2	6.7	6.6	5.4	4.7	3.8	3.3	5.0	9.9	-0.6
6	2.7	2.4	1.6	1.0	0.6	0.2	0.4	2.3	4.3	5.6	6.0	6.4	4.6	3.9	1.7	0.8	0.5	0.2	-0.1	-0.7	-1.0	-1.2	-1.4	-1.8	1.6	6.4	-1.8
7	-2.0	-2.1	-2.2	-1.9	-1.8	-1.7	-1.5	-1.2	-0.9	-0.4	0.4	0.4	0.8	1.4	2.1	2.5	2.6	2.2	1.7	0.3	-1.3	-1.9	-3.4	-4.3	-0.5	2.6	-4.3
8	-4.7	-5.2	-6.1	-7.0	-6.9	-7.0	-5.0	-1.2	2.2	4.3	5.5	6.5	7.7	8.5	9.0	9.4	10.0	10.3	10.0	7.8	4.2	2.3	1.2	-0.4	2.3	10.3	-7.0
9	-1.7	-3.0	-4.0	-3.9	-3.6	-2.5	-1.2	1.4	5.1	5.4	5.3	4.7	5.2	6.0	6.6	6.3	7.1	7.4	7.1	6.5	4.8	3.1	1.2	0.5	2.7	7.4	-4.0
10	-1.0	-1.9	-2.9	-4.1	-4.7	-5.5	-3.8	1.1	3.2	3.8	3.9	3.9	4.2	3.5	4.0	3.8	3.4	3.2	2.7	2.3	1.9	1.2	1.0	0.1	1.0	4.2	-5.5
11	-0.3	-0.9	-1.9	-1.6	-0.8	-0.9	-0.7	0.0	-0.7	-0.8	-0.6	0.3	1.1	0.9	0.6	0.6	0.5	0.1	-0.4	-0.8	-0.9	-1.1	-2.0	-3.5	-0.6	1.1	-3.5
12	-3.9	-3.6	-3.6	-5.2	-6.6	-6.8	-4.1	-1.6	1.1	2.6	3.5	4.7	5.6	6.1	6.5	6.8	7.2	6.9	6.5	5.0	1.3	-0.9	-2.7	-4.3	0.9	7.2	-6.8
13	-4.8	-5.5	-6.0	-6.4	-6.9	-6.9	-4.2	0.3	6.1	8.3	9.0	9.4	9.9	10.6	11.5	11.2	10.8	10.9	10.3	8.2	5.8	2.4	0.4	-1.0	3.5	11.5	-6.9
14	-2.7	-3.7	-4.5	-4.6	-5.4	-5.1	-3.6	2.5	8.2	10.4	11.3	11.3	11.8	12.4	12.8	12.9	13.1	13.0	12.5	11.1	7.7	5.6	4.8	3.4	5.6	13.1	-5.4
15	2.2	1.2	0.0	-0.8	-1.9	-2.1	0.5	5.7	11.1	13.0	14.1	14.8	15.9	16.6	16.7	16.6	17.0	17.0	14.9	13.1	8.8	7.9	7.1	6.5	9.0	17.0	-2.1
16	6.0	5.1	4.8	4.5	3.3	2.7	2.9	4.9	6.8	8.1	9.1	9.8	11.1	12.3	11.0	9.0	10.2	10.7	9.3	8.6	7.7	6.7	5.7	4.3	7.3	12.3	2.7
17	3.3	3.8	4.3	4.8	4.5	4.8	5.4	6.3	7.3	8.8	11.1	12.4	13.9	14.2	14.2	14.2	14.3	14.9	13.4	12.2	8.3	7.2	7.0	5.6	9.0	14.9	3.3
18	3.8	2.2	1.9	1.6	1.6	1.2	2.0	4.0	6.3	8.0	9.1	8.3	8.1	6.3	6.2	7.0	8.2	8.6	8.5	7.7	6.1	5.6	4.8	3.7	5.4	9.1	1.2
19	2.4	2.0	2.5	2.4	2.0	3.5	4.3	4.9	5.3	6.1	6.9	8.7	10.1	10.6	9.0	11.2	11.3	10.7	10.0	8.0	6.2	3.5	1.5	0.2	6.0	11.3	0.2
20	-0.9	-1.9	-2.5	-3.1	-3.3	-3.3	-0.3	4.5	8.3	9.8	10.8	11.9	13.1	13.7	14.3	13.8	12.7	9.5	9.2	7.5	5.8	4.5	3.4	2.5	5.8	14.3	-3.3
21	2.5	2.1	0.9	0.6	-0.5	-0.1	1.7	6.3	11.4	13.2	14.2	15.2	16.1	16.8	17.2	17.5	17.7	18.2	17.9	15.0	13.7	10.6	8.1	6.7	10.1	18.2	-0.5
22	5.3	4.3	3.7	4.1	2.9	2.5	5.1	9.4	13.7	15.8	17.2	18.5	19.0	19.1	19.9	20.4	20.8	20.7	20.3	17.7	12.2	10.2	8.7	6.7	12.4	20.8	2.5
23	5.9	4.8	3.1	3.4	3.5	3.4	6.0	11.2	16.1	19.5	20.8	21.7	22.3	21.9	22.9	23.0	22.9	22.3	18.9	16.5	15.3	13.7	14.4	12.3	14.4	23.0	3.1
24	9.9	8.7	5.6	5.4	4.4	5.6	7.4	11.2	13.3	15.3	16.8	17.3	17.7	16.4	15.5	16.4	15.0	15.2	13.1	11.2	10.0	9.2	8.1	7.3	11.5	17.7	4.4
25	5.9	5.1	4.3	4.0	2.7	1.9	3.7	8.0	10.9	12.2	13.2	14.2	15.3	16.2	17.3	17.8	18.3	18.4	18.3	15.8	11.6	9.3	7.9	7.2	10.8	18.4	1.9
26	7.4	6.6	6.2	5.3	4.1	4.0	7.0	11.0	14.4	15.8	16.9	17.0	19.0	19.8	19.8	19.3	19.1	19.3	18.0	15.4	13.7	13.1	11.5	10.5	13.1	19.8	4.0
27	8.5	7.9	7.0	6.1	4.3	3.3	6.7	10.1	12.3	13.6	15.1	15.7	16.3	16.5	17.7	18.3	17.7	15.9	13.3	11.8	11.2	9.3	8.2	7.1	11.4	18.3	3.3
28	6.1	6.5	10.0	10.7	9.5	9.4	10.6	12.2	13.3	15.3	16.6	18.6	20.4	21.7	22.8	22.5	20.3	19.2	19.0	15.2	12.1	11.5	11.8	11.0	14.4	22.8	6.1
29	10.5	9.4	8.9	8.3	7.3	6.5	6.1	6.1	6.5	7.4	8.6	10.2	11.1	12.2	12.7	13.4	13.7	13.6	13.2	11.4	7.3	4.5	3.6	2.2	8.9	13.7	2.2
30	1.0	-0.4	-1.1	-1.7	-2.2	-2.0	0.6	6.1	11.8	12.9	13.8	14.8	15.5	16.2	16.7	17.4	17.8	17.4	17.0	15.7	14.1	13.4	12.4	12.3	10.0	17.8	-2.2
31	12.5	11.4	8.2	6.3	5.0	4.5	5.7	8.7	11.9	12.3	10.9	12.3	13.9	15.4	15.9	16.4	11.7	8.2	8.5	8.9	7.2	5.5	5.0	3.6	9.6	16.4	3.6
Avg	2.5	1.8	1.2	0.8	0.3	0.3	1.8	4.9	7.8	9.2	10.1	11.0	11.8	12.0	12.2	12.4	12.2	11.8	11.0	9.3	7.1	5.7	4.7	3.6	6.9	13.2	-0.7
Max	12.5	11.4	10.0	10.7	9.5	9.4	10.6	12.2	16.1	19.5	20.8	21.7	22.3	21.9	22.9	23.0	22.9	22.3	20.3	17.7	15.3	13.7	14.4	12.3	14.4	23.0	6.1
Min	-4.8	-5.5	-6.1	-7.0	-6.9	-7.0	-5.0	-1.6	-0.9	-0.8	-0.6	0.3	0.8	0.9	0.6	0.6	0.5	0.1	-0.4	-0.8	-1.3	-1.9	-3.4	-4.3	-0.6	1.1	-7.0

A-11

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
June 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	2.6	1.5	0.7	0.2	0.3	1.0	2.8	6.0	9.3	10.5	11.3	10.9	11.3	9.2	8.6	7.7	8.1	10.0	10.8	9.7	6.4	4.7	3.5	2.7	6.2	11.3	0.2
2	1.9	0.8	0.0	-0.1	-0.6	-0.3	2.3	6.8	10.8	13.0	14.4	15.3	16.3	15.5	15.6	17.1	17.6	17.8	17.8	16.6	11.8	9.4	7.5	5.9	9.7	17.8	-0.6
3	5.0	4.2	3.1	2.6	3.4	4.1	6.5	10.2	14.8	16.0	16.9	17.4	16.8	17.1	17.6	17.5	17.7	17.5	16.3	14.0	11.8	9.5	10.2	9.4	11.6	17.7	2.6
4	7.4	4.4	3.4	2.1	1.6	2.2	7.6	10.2	11.0	11.9	12.3	12.6	13.3	13.5	14.0	14.6	15.6	15.9	15.7	14.8	9.9	7.1	5.3	3.7	9.6	15.9	1.6
5	2.6	1.9	1.4	1.1	0.8	1.1	4.4	10.6	12.9	13.7	14.3	14.8	15.4	15.4	15.4	15.0	13.2	11.4	10.0	8.8	6.9	6.1	6.0	5.2	8.7	15.4	0.8
6	5.0	5.3	5.8	5.9	5.6	5.3	4.9	4.9	5.4	5.7	6.3	7.9	9.3	10.9	11.9	12.6	13.0	11.6	9.0	7.9	6.3	5.5	5.1	5.0	7.3	13.0	4.9
7	4.7	4.7	4.4	4.2	3.3	2.0	4.2	7.4	9.3	10.7	12.0	12.5	11.8	12.5	13.7	14.0	13.8	13.2	12.7	12.1	10.5	9.4	8.4	7.1	9.1	14.0	2.0
8	5.7	5.3	5.0	3.9	3.1	3.4	5.5	7.3	10.8	12.1	12.8	13.7	14.1	15.3	15.6	15.5	15.8	16.0	15.9	14.4	11.0	8.7	5.6	3.8	10.0	16.0	3.1
9	3.0	1.7	0.8	0.2	-0.3	-0.3	3.8	10.8	15.0	14.7	15.5	17.1	17.7	18.3	18.4	18.2	18.8	18.4	17.4	15.8	14.8	12.1	10.3	9.6	11.3	18.8	-0.3
10	7.7	5.1	2.9	1.8	0.9	0.6	4.2	9.6	12.7	13.7	14.9	15.9	16.7	17.2	17.1	17.0	16.9	16.8	14.2	12.7	11.7	10.1	8.6	7.2	10.7	17.2	0.6
11	6.5	5.8	5.1	3.2	0.7	0.2	3.0	6.9	8.2	8.3	8.8	9.5	10.0	11.1	11.9	12.2	12.2	12.2	12.0	10.2	7.7	6.1	5.5	4.1	7.6	12.2	0.2
12	3.4	3.6	3.4	3.1	3.8	5.3	7.1	8.3	9.0	9.4	11.3	13.2	13.7	14.1	14.8	15.0	15.7	15.4	14.8	14.6	13.9	13.2	13.2	11.7	10.5	15.7	3.1
13	9.4	7.0	8.7	9.5	8.8	8.5	9.1	8.7	9.1	9.1	10.8	12.8	9.1	9.4	11.9	12.9	12.8	12.3	10.7	5.7	4.2	4.5	4.4	4.1	8.9	12.9	4.1
14	3.5	2.6	3.0	3.8	4.1	3.9	3.8	4.9	6.1	6.9	5.5	5.1	4.6	4.7	5.5	5.1	4.7	4.5	5.3	4.9	4.9	4.0	3.9	3.9	4.6	6.9	2.6
15	3.9	3.9	4.1	3.2	1.5	1.3	3.6	5.4	6.6	8.0	9.2	10.4	11.0	11.7	12.1	13.2	13.6	13.3	11.8	11.2	9.7	8.6	7.7	7.3	8.0	13.6	1.3
16	6.8	6.5	5.9	5.8	5.7	5.8	6.0	7.0	8.2	9.4	10.4	11.4	11.9	9.9	7.9	10.1	10.0	9.1	8.6	8.0	7.9	7.2	7.0	6.9	8.1	11.9	5.7
17	7.1	7.1	7.3	7.0	6.9	6.9	7.1	7.3	6.9	6.1	5.8	6.9	8.3	9.1	9.2	9.0	9.2	9.4	9.2	8.8	7.6	6.3	5.1	4.5	7.4	9.4	4.5
18	4.4	4.7	4.4	3.4	3.1	3.6	3.6	3.8	4.1	4.9	5.8	6.5	6.9	5.8	6.1	6.6	5.4	4.4	4.4	4.5	4.7	4.8	4.8	4.6	4.8	6.9	3.1
19	4.3	4.4	4.7	4.8	4.5	4.7	4.8	5.5	7.7	9.3	9.6	10.1	11.0	11.7	12.3	13.7	14.8	14.0	12.5	11.3	9.4	8.2	6.9	5.0	8.6	14.8	4.3
20	3.6	2.7	2.4	2.1	1.4	1.8	5.0	11.2	15.2	15.9	16.3	17.1	18.0	15.1	9.8	12.8	15.6	16.4	11.9	10.4	9.7	8.5	7.9	7.5	9.9	18.0	1.4
21	6.5	5.9	4.3	3.5	2.8	2.5	4.2	8.7	11.2	13.0	14.1	14.9	15.9	16.5	17.0	17.5	17.9	17.9	17.0	15.2	12.7	11.8	10.2	9.4	11.3	17.9	2.5
22	9.3	8.3	6.7	5.6	4.4	4.6	7.6	11.5	13.4	14.4	14.7	15.4	13.3	9.4	9.4	9.5	10.3	10.9	10.7	10.4	9.0	7.6	6.8	6.0	9.6	15.4	4.4
23	5.7	5.7	5.3	4.6	4.1	3.3	4.3	7.6	11.4	14.3	15.2	14.2	14.1	14.3	10.9	12.7	14.2	15.4	15.7	14.6	10.6	9.2	8.2	6.8	10.1	15.7	3.3
24	6.0	5.8	4.7	4.6	3.5	4.1	7.0	11.9	Au	Au	Au	18.5	19.1	19.7	19.7	19.0	14.5	12.9	13.8	14.6	13.5	11.8	11.6	10.4	11.7	19.7	3.5
25	9.3	9.3	8.9	7.8	7.3	7.7	8.8	10.8	13.1	14.4	15.2	16.4	17.3	18.0	18.5	18.9	18.7	18.7	17.7	13.8	12.5	11.8	11.9	11.2	13.3	18.9	7.3
26	10.2	8.7	8.4	7.8	7.8	8.6	9.4	10.6	11.6	12.2	13.0	14.1	15.5	16.9	15.2	12.4	12.4	13.4	10.2	9.7	8.8	7.5	6.5	6.0	10.7	16.9	6.0
27	5.5	5.0	5.2	5.7	5.9	6.3	7.7	10.2	11.4	12.6	12.9	13.4	13.8	14.3	14.1	14.3	15.8	14.4	11.8	9.8	9.4	9.1	7.6	7.3	10.1	15.8	5.0
28	7.3	6.7	5.8	6.1	5.8	6.6	8.5	9.8	10.7	11.1	12.0	12.0	12.5	12.9	12.4	13.0	13.4	13.2	12.2	11.0	9.6	8.3	6.3	10.0	13.4	5.8	
29	4.5	2.8	1.9	1.1	1.5	5.4	8.7	10.1	10.8	11.3	12.0	12.0	13.8	14.8	15.1	15.5	15.3	14.7	14.1	13.0	12.0	9.8	8.4	7.6	9.8	15.5	1.1
30	7.2	5.7	4.5	4.2	3.6	3.1	5.0	7.1	8.7	9.8	9.9	10.0	10.2	11.2	12.8	13.7	14.2	14.5	14.6	13.8	11.5	8.1	6.5	4.8	8.9	14.6	3.1
Avg	5.7	4.9	4.4	4.0	3.5	3.8	5.7	8.4	10.2	11.1	11.8	12.7	13.1	13.2	13.2	13.5	13.7	13.5	12.7	11.5	9.7	8.3	7.4	6.5	9.3	14.8	2.9
Max	10.2	9.3	8.9	9.5	8.8	8.6	9.4	11.9	15.2	16.0	16.9	18.5	19.1	19.7	19.7	19.0	18.8	18.7	17.8	16.6	14.8	13.2	13.2	11.7	13.3	19.7	7.3
Min	1.9	0.8	0.0	-0.1	-0.6	-0.3	2.3	3.8	4.1	4.9	5.5	5.1	4.6	4.7	5.5	5.1	4.7	4.4	4.4	4.5	4.2	4.0	3.5	2.7	4.6	6.9	-0.6

A-12

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
April 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	-6.1	-7.6	-9.4	-11.7	-12.0	-13.3	-13.6	-13.5	-11.4	-9.0	-5.0	-0.4	-0.1	0.7	1.3	1.3	0.2	-0.2	-0.5	-0.5	-0.5	-1.3	-1.8	-3.0	-4.9	1.3	-13.6	
2	-5.0	-6.4	-8.5	-10.2	-9.7	-8.8	-7.4	-6.1	-5.4	-4.3	-3.1	-2.2	-0.3	1.2	1.9	1.0	0.9	0.4	-0.6	-2.3	-3.4	-3.1	-5.4	-7.6	-3.9	1.9	-10.2	
3	-8.7	-8.7	-8.7	-8.9	-10.1	-11.7	-12.3	-11.5	-10.0	-7.6	-0.6	0.6	-0.1	1.2	2.6	3.0	3.2	2.6	0.0	-0.4	-1.9	-4.5	-5.6	-6.4	-4.4	3.2	-12.3	
4	-6.8	-6.9	-7.1	-4.9	-4.3	-4.1	-4.5	-5.0	-3.6	1.6	2.9	3.9	4.3	4.5	3.9	3.8	3.1	1.5	1.7	1.6	0.6	0.0	-0.7	-1.1	-0.7	4.5	-7.1	
5	-0.8	-1.5	-2.4	-3.0	-4.0	-4.9	-5.8	-5.3	-0.9	0.7	1.6	1.9	2.3	2.9	3.1	2.9	3.0	2.7	2.3	1.6	0.3	-1.4	-1.1	-1.8	-0.3	3.1	-5.8	
6	-1.6	-1.0	0.0	0.0	0.0	0.2	0.3	0.7	1.3	2.0	2.9	3.6	4.0	4.3	3.6	2.2	2.2	2.8	0.7	2.0	2.3	1.7	1.2	0.0	1.5	4.3	-1.6	
7	-2.1	-3.7	-3.8	-4.7	-5.1	-7.3	-8.2	-7.7	-6.4	-3.2	4.8	5.7	6.5	7.3	7.8	8.1	8.0	8.0	7.1	5.6	4.1	1.6	-0.1	-1.4	0.9	8.1	-8.2	
8	-2.5	-3.3	-3.4	-4.3	-4.6	-5.4	-5.3	-4.4	-3.4	-2.0	-0.4	3.1	6.3	8.7	10.0	11.0	10.7	10.6	10.3	7.0	4.0	4.6	2.3	2.7	2.2	11.0	-5.4	
9	2.7	3.0	2.6	4.1	4.9	4.7	5.8	7.4	7.4	6.9	5.9	5.8	5.8	6.2	6.6	6.5	6.8	6.2	5.4	4.7	4.1	2.9	1.5	0.0	4.9	7.4	0.0	
10	-1.7	-3.4	-3.6	-4.5	-5.1	-5.2	-4.8	-2.0	1.2	2.1	3.2	4.3	5.1	5.9	6.1	6.8	6.7	6.5	5.8	3.6	0.6	-1.1	-2.4	-3.5	0.9	6.8	-5.2	
11	-4.4	-4.3	-4.5	-4.3	-5.9	-5.4	-4.8	-3.8	-2.8	-0.5	5.0	6.2	7.0	7.5	8.1	8.3	8.5	7.4	6.4	6.2	6.1	4.2	3.4	2.8	1.9	8.5	-5.9	
12	1.5	0.4	0.3	0.1	-0.5	-0.7	-0.8	-0.5	0.5	0.8	0.6	0.1	-0.5	-2.1	-2.9	-2.7	-3.8	-4.6	-5.1	-5.1	-5.4	-6.1	-6.6	-7.0	-2.1	1.5	-7.0	
13	-7.3	-7.8	-9.0	-9.3	-10.0	-9.0	-9.0	-9.2	-7.6	-5.6	-4.6	-3.5	-3.0	-3.0	-2.6	-2.3	-2.0	-2.4	-2.7	-4.1	-6.1	-7.7	-8.8	-9.5	-6.1	-2.0	-10.0	
14	-10.3	-10.7	-13.5	-14.3	-15.1	-15.3	-15.1	-13.2	-9.6	-3.4	0.5	1.9	3.2	4.1	5.0	5.8	6.7	6.4	5.4	3.5	1.1	-1.1	-2.3	-2.8	-3.5	6.7	-15.3	
15	-2.5	0.8	2.4	0.2	-0.9	-1.6	1.9	4.3	4.4	4.6	4.3	3.8	4.1	3.5	1.9	1.1	1.0	-0.2	-0.4	-0.5	-0.7	-0.8	-1.0	-0.8	1.2	4.6	-2.5	
16	-1.0	-2.2	-3.6	-3.3	-5.9	-6.4	-6.8	-7.8	-5.3	-1.4	0.5	0.7	-0.4	0.2	0.9	1.7	1.6	1.3	0.9	-0.2	-1.7	-1.0	-1.0	-1.1	-1.7	1.7	-7.8	
17	-1.2	-1.2	-1.4	-1.8	-2.2	-2.1	-2.5	-2.0	0.0	3.1	3.7	2.9	2.8	4.7	6.6	6.9	7.9	7.2	6.0	4.3	4.4	4.2	3.6	3.8	2.4	7.9	-2.5	
18	4.7	4.7	3.6	3.9	2.6	1.9	2.0	1.9	2.3	3.5	4.4	5.1	4.3	0.7	1.1	2.8	2.2	2.7	2.2	1.3	0.9	0.3	-0.5	-0.2	2.4	5.1	-0.5	
19	-0.8	-1.7	-3.5	-5.2	-5.8	-7.0	-7.6	-5.7	-2.1	3.2	5.0	6.2	7.3	8.3	9.2	9.6	9.2	11.1	9.6	4.7	2.8	1.3	0.3	-0.5	2.0	11.1	-7.6	
20	-1.6	1.7	4.5	3.2	2.6	1.5	1.8	2.4	2.9	3.5	4.4	5.5	6.3	6.7	7.3	7.6	7.8	7.5	6.4	4.8	2.2	-0.3	-0.8	-1.3	3.6	7.8	-1.6	
21	-2.2	-2.6	-3.6	-5.0	-5.3	-6.3	-5.3	-2.5	1.2	6.8	8.2	9.7	11.0	11.1	12.2	12.5	11.8	10.8	11.6	10.8	9.9	8.4	7.8	7.7	4.9	12.5	-6.3	
22	6.4	7.2	5.2	3.6	1.6	1.0	1.8	4.1	8.7	9.3	10.9	12.3	12.2	12.6	12.3	10.3	7.1	5.3	4.5	2.3	1.9	1.0	0.5	0.6	5.9	12.6	0.5	
23	0.5	0.0	-0.6	-1.3	-2.0	-2.0	-2.1	-1.8	-1.2	-0.2	0.3	1.2	1.8	3.0	3.6	3.3	2.3	2.0	2.0	1.4	0.2	-0.3	-0.8	-0.8	0.4	3.6	-2.1	
24	-0.7	-0.8	-0.6	-0.4	0.0	-0.2	0.2	1.8	3.1	3.8	4.5	5.2	5.4	4.4	4.3	4.8	3.2	4.4	4.6	4.6	2.9	1.2	0.0	-1.5	-2.2	2.0	5.4	-2.2
25	-2.1	-2.8	-2.9	-3.0	-2.6	-2.8	-1.4	0.1	2.3	4.4	5.7	6.4	7.5	8.3	9.2	9.5	8.4	6.7	6.2	4.4	4.1	3.8	3.3	3.3	9.5	-3.0		
26	2.1	2.3	2.6	2.6	2.7	3.1	3.2	3.3	2.0	2.0	3.4	3.9	4.0	4.9	5.7	5.1	4.0	2.4	1.1	0.0	-0.4	-0.7	-1.3	-1.1	2.4	5.7	-1.3	
27	-1.1	-1.1	-1.0	-1.3	-1.7	-1.7	-1.6	-0.5	0.7	1.5	2.4	4.4	5.3	5.8	5.4	5.3	5.6	6.0	5.4	2.2	0.0	-1.3	0.0	0.1	1.6	6.0	-1.7	
28	-0.8	-1.0	-1.1	-1.3	-1.6	-2.2	-1.2	-0.3	0.6	1.8	2.8	3.1	3.7	4.5	3.6	4.3	4.5	3.8	3.3	1.2	1.1	0.6	0.2	-1.1	1.2	4.5	-2.2	
29	-2.1	-3.5	-3.3	-3.9	-4.0	-2.9	-1.0	-0.2	1.3	3.7	4.8	5.2	6.4	6.9	7.3	7.9	8.0	8.1	6.7	4.8	1.8	-0.4	-2.3	-3.8	1.9	8.1	-4.0	
30	-4.9	-6.5	-7.1	-7.6	-7.9	-8.1	-5.9	-1.2	4.7	8.7	9.9	10.8	11.4	12.0	12.6	12.8	12.8	11.8	9.5	5.6	2.9	1.0	0.0	-1.9	3.1	12.8	-8.1	
Avg	-2.0	-2.3	-2.7	-3.2	-3.7	-4.1	-3.7	-2.6	-0.8	1.2	3.0	3.9	4.5	4.9	5.3	5.4	5.1	4.6	3.9	2.5	1.2	0.2	-0.6	-1.3	0.8	6.2	-5.3	
Max	6.4	7.2	5.2	4.1	4.9	4.7	5.8	7.4	8.7	9.3	10.9	12.3	12.2	12.6	12.6	12.8	12.8	11.8	11.6	10.8	9.9	8.4	7.8	7.7	5.9	12.8	0.5	
Min	-10.3	-10.7	-13.5	-14.3	-15.1	-15.3	-15.1	-13.5	-11.4	-9.0	-5.0	-3.5	-3.0	-3.0	-2.9	-2.7	-3.8	-4.6	-5.1	-5.1	-6.1	-7.7	-8.8	-9.5	-6.1	-2.0	-15.3	

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Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
May 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	-3.1	-4.1	-4.6	-4.9	-5.6	-5.5	-2.6	2.4	8.4	12.8	14.4	15.4	16.6	17.3	17.4	17.9	18.0	17.6	16.2	11.1	6.7	5.3	4.0	2.5	7.2	18.0	-5.6
2	1.3	0.4	-0.3	-0.7	-0.9	-1.2	1.4	7.6	13.3	14.7	15.5	16.8	17.3	17.2	17.2	16.8	16.3	15.7	12.2	9.4	7.6	6.3	5.2	4.0	8.9	17.3	-1.2
3	2.5	1.3	0.4	2.1	2.6	3.0	3.4	4.4	5.2	5.5	5.8	6.8	7.9	7.9	6.5	5.7	4.9	3.7	3.1	1.8	1.1	0.4	-0.3	-1.3	3.5	7.9	-1.3
4	-1.5	-0.5	0.0	0.3	0.2	0.2	0.6	1.1	1.6	1.2	3.3	6.2	9.2	7.3	7.8	8.9	10.3	10.5	9.6	7.5	4.7	4.9	4.0	2.7	4.2	10.5	-1.5
5	1.3	0.1	-0.1	-1.0	0.3	0.3	1.7	4.0	5.7	8.3	9.9	10.9	10.6	9.8	10.3	10.6	7.6	7.4	6.9	6.5	5.2	4.7	3.7	3.3	5.3	10.9	-1.0
6	2.7	2.3	1.4	0.9	0.5	0.1	0.5	2.6	4.7	6.3	6.9	7.4	5.2	4.6	2.4	1.4	1.1	0.6	0.1	-0.5	-0.9	-1.2	-1.4	-1.7	1.9	7.4	-1.7
7	-1.9	-2.0	-2.1	-1.8	-1.7	-1.6	-1.4	-1.0	-0.6	0.0	0.9	1.4	1.7	1.8	2.6	3.0	3.0	2.7	1.9	0.1	-1.7	-2.5	-4.7	-5.3	-0.4	3.0	-5.3
8	-5.7	-6.0	-6.8	-7.9	-7.5	-7.2	-4.8	-0.9	2.6	5.3	6.7	7.7	9.1	9.9	10.3	10.5	10.9	11.0	10.3	6.8	3.8	2.1	1.1	-1.0	2.5	11.0	-7.9
9	-2.5	-4.3	-5.1	-5.3	-4.2	-2.7	-1.0	1.5	5.4	6.1	5.9	5.3	5.8	6.7	7.0	6.9	7.6	7.7	7.1	6.3	4.2	2.1	-0.1	-0.8	2.5	7.7	-5.3
10	-2.0	-2.5	-3.7	-5.2	-5.6	-6.2	-3.7	1.6	3.7	4.4	4.4	4.6	5.0	4.3	4.8	4.4	3.8	3.6	2.9	2.3	1.9	1.2	0.9	-0.2	1.0	5.0	-6.2
11	-0.5	-1.2	-2.9	-1.9	-0.9	-1.0	-0.5	0.3	-0.1	-0.2	0.0	1.2	1.9	1.6	1.1	1.2	1.1	0.5	0.0	-0.8	-1.0	-1.1	-2.4	-4.2	-0.4	1.9	-4.2
12	-4.5	-3.8	-3.9	-6.3	-7.5	-7.4	-3.7	-1.3	1.7	3.4	4.3	5.7	6.6	7.3	7.8	7.5	8.3	7.8	6.9	4.3	0.4	-1.2	-3.6	-5.1	1.0	8.3	-7.5
13	-6.0	-6.9	-7.3	-7.7	-8.3	-8.0	-4.0	0.7	6.7	9.5	10.2	10.3	10.7	11.9	12.9	12.1	11.1	11.5	10.6	7.4	5.0	2.0	-0.1	-1.9	3.4	12.9	-8.3
14	-4.4	-5.0	-5.8	-6.2	-6.5	-6.6	-3.8	2.7	8.7	11.5	12.6	12.0	12.6	13.2	13.7	13.7	13.8	13.3	12.4	9.9	7.2	5.5	4.7	2.8	5.5	13.8	-6.6
15	1.9	0.6	-0.7	-2.1	-3.2	-2.9	0.6	6.0	11.7	14.0	15.4	15.6	17.0	18.1	17.8	17.3	17.7	17.2	15.3	12.9	8.6	7.7	7.0	6.3	9.2	18.1	-3.2
16	5.8	4.9	4.5	4.1	2.8	2.6	3.0	5.1	7.2	8.5	9.7	10.7	11.8	13.0	11.3	9.3	10.6	11.0	9.5	8.5	7.6	6.6	5.4	4.0	7.4	13.0	2.6
17	2.9	3.8	4.3	4.8	4.6	4.9	5.6	6.5	7.6	9.3	11.8	13.0	14.7	15.3	15.0	14.8	14.8	15.1	13.4	12.1	8.2	7.2	7.0	5.4	9.3	15.3	2.9
18	3.3	1.6	1.6	1.3	1.4	1.0	2.2	4.3	6.4	8.2	9.8	8.9	8.4	6.4	6.4	7.3	8.7	9.0	8.7	7.7	5.9	5.5	4.7	3.2	5.5	9.8	1.0
19	2.0	1.5	1.7	2.1	1.9	3.2	4.3	5.0	5.6	6.4	7.2	9.8	11.5	11.9	9.4	12.3	12.1	11.3	10.2	7.8	5.6	3.1	1.2	-0.3	6.1	12.3	-0.3
20	-1.5	-2.4	-3.4	-3.8	-4.3	-4.3	-0.1	4.8	8.7	10.4	11.7	12.8	14.3	14.9	15.3	14.5	12.8	9.3	9.4	7.5	5.7	4.5	3.2	1.9	5.9	15.3	-4.3
21	1.4	0.6	-0.1	-0.7	-1.5	-0.9	1.8	6.5	11.7	13.9	15.1	16.0	16.9	17.7	17.9	18.4	18.2	18.9	18.1	14.7	13.2	9.8	7.9	6.4	10.1	18.9	-1.5
22	4.6	3.6	3.2	3.8	2.3	1.9	5.4	9.7	14.2	16.5	18.0	19.6	20.0	19.9	20.7	21.2	21.6	21.3	20.5	17.0	12.1	10.1	8.6	6.1	12.6	21.6	1.9
23	5.4	3.6	2.0	2.2	2.6	2.1	6.0	11.5	16.6	20.2	21.8	22.9	23.5	22.7	24.1	23.9	23.4	22.3	17.9	15.9	14.8	13.4	13.9	11.5	14.3	24.1	2.0
24	9.7	8.3	4.7	3.9	3.1	4.4	7.3	11.4	13.4	15.9	17.6	17.9	18.2	17.0	16.1	17.1	15.9	15.6	13.4	11.2	10.0	9.1	7.9	7.2	11.5	18.2	3.1
25	5.9	5.1	4.4	4.1	2.5	2.0	3.9	8.3	11.2	12.9	14.1	15.2	16.2	17.4	18.3	18.6	19.0	18.8	18.5	15.0	11.4	8.6	7.3	6.8	11.1	19.0	2.0
26	6.8	5.6	5.5	4.3	2.9	3.7	7.1	11.5	15.2	16.6	17.7	17.5	20.0	20.9	20.7	20.1	19.5	19.8	17.7	15.1	13.1	12.4	10.5	9.0	13.0	20.9	2.9
27	7.3	7.2	6.2	5.5	3.0	3.2	7.1	10.5	12.9	14.2	16.3	16.8	17.2	17.1	18.5	19.1	18.4	16.0	13.1	11.7	11.0	8.8	8.0	6.6	11.5	19.1	3.0
28	5.0	4.5	8.6	10.3	9.1	9.3	10.7	12.7	14.2	16.3	17.4	19.3	21.4	22.6	23.7	23.0	20.5	19.5	19.2	14.9	11.5	11.0	11.5	10.6	14.5	23.7	4.5
29	10.2	8.9	8.5	8.3	7.3	6.5	6.4	6.5	7.1	8.2	9.8	11.5	12.2	13.7	14.1	14.5	14.7	14.4	13.6	10.8	6.5	4.2	3.2	1.2	9.3	14.7	1.2
30	0.4	-1.3	-1.7	-2.7	-3.3	-3.1	0.9	6.5	12.8	14.0	14.8	15.8	16.3	17.1	17.4	18.1	18.5	17.9	17.2	15.7	13.9	12.6	11.7	11.1	10.0	18.5	-3.3
31	12.1	10.5	6.7	5.1	3.8	3.7	5.9	8.9	12.4	12.6	11.1	12.8	14.5	16.5	16.8	17.3	11.7	8.2	8.6	8.9	6.9	5.2	4.5	3.3	9.5	17.3	3.3
Avg	1.9	1.1	0.5	0.2	-0.3	-0.2	1.9	5.2	8.3	9.9	11.0	11.9	12.7	13.0	13.1	13.1	12.8	12.2	11.1	9.0	6.8	5.4	4.3	3.0	7.0	14.0	-1.5
Max	12.1	10.5	8.6	10.3	9.1	9.3	10.7	12.7	16.6	20.2	21.8	22.9	23.5	22.7	24.1	23.9	23.4	22.3	20.5	17.0	14.8	13.4	13.9	11.5	14.5	24.1	4.5
Min	-6.0	-6.9	-7.3	-7.9	-8.3	-8.0	-4.8	-1.3	-0.6	-0.2	0.0	1.2	1.7	1.6	1.1	1.2	1.1	0.5	0.0	-0.8	-1.7	-2.5	-4.7	-5.3	-0.4	1.9	-8.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
June 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	2.0	1.1	0.8	0.3	0.0	1.1	2.9	6.2	9.7	11.2	11.8	11.1	11.6	9.4	8.7	7.7	8.6	10.5	11.0	9.7	6.2	4.4	3.3	2.5	6.3	11.8	0.0
2	1.7	0.5	-0.2	-0.4	-1.2	-0.7	2.4	7.2	11.3	13.5	15.1	16.1	17.0	16.0	16.0	17.6	18.0	18.1	18.2	16.1	11.1	9.1	7.2	5.2	9.8	18.2	-1.2
3	4.2	3.0	1.6	1.6	2.3	3.9	6.6	10.4	15.3	16.6	17.8	18.3	17.6	18.2	18.8	18.3	18.2	17.9	16.6	13.7	10.8	8.9	9.7	8.8	11.6	18.8	1.6
4	6.5	3.8	3.0	1.4	0.8	1.9	7.8	10.6	11.6	12.8	13.4	13.7	14.2	14.4	14.9	15.5	16.7	16.7	16.0	14.2	9.1	6.6	4.8	3.1	9.7	16.7	0.8
5	1.7	1.3	0.5	0.0	-0.1	1.0	4.8	11.1	13.7	14.7	15.5	16.0	16.7	16.6	16.7	16.3	14.4	12.4	10.5	9.0	6.8	6.2	6.2	5.2	9.0	16.7	-0.1
6	5.1	5.5	6.0	6.0	5.8	5.5	5.2	5.2	5.9	6.5	6.9	8.7	10.0	11.9	13.0	13.7	13.8	12.5	9.3	8.0	6.0	5.1	5.0	4.8	7.7	13.8	4.8
7	4.5	3.8	4.0	3.8	2.7	2.0	4.5	7.8	9.8	11.4	13.1	13.3	12.6	13.0	14.5	14.7	14.1	13.3	12.6	11.9	9.7	8.8	7.9	6.6	9.2	14.7	2.0
8	5.1	4.8	4.6	3.1	2.5	3.1	5.7	7.6	11.2	12.9	13.8	14.5	14.9	16.3	16.4	16.1	16.2	16.5	16.1	13.7	10.3	8.1	4.2	2.5	10.0	16.5	2.5
9	2.3	0.9	-0.6	-1.0	-1.7	-0.9	4.1	11.2	15.7	15.4	16.6	18.4	18.5	19.0	19.1	18.6	19.3	18.7	17.3	14.9	13.3	10.7	8.2	8.8	11.1	19.3	-1.7
10	6.9	3.6	1.8	0.8	-0.5	-0.1	4.5	10.1	13.4	14.5	15.9	17.0	17.8	18.2	18.0	17.9	17.4	17.3	14.1	12.6	11.4	10.0	8.2	6.6	10.7	18.2	-0.5
11	5.8	4.8	4.2	1.7	-0.7	-0.1	3.3	7.3	8.8	9.2	9.6	10.3	11.0	12.4	13.3	13.3	13.1	13.0	12.4	10.4	7.0	5.7	4.9	3.1	7.7	13.3	-0.7
12	2.1	2.6	1.8	2.1	2.6	4.4	7.4	9.1	10.1	10.8	12.7	14.8	15.1	15.3	15.6	15.6	16.2	15.6	14.8	14.6	13.8	12.9	12.6	10.5	10.5	16.2	1.8
13	8.2	6.2	8.5	9.2	8.2	8.4	9.2	8.9	9.3	9.3	11.5	13.8	9.7	10.5	13.0	13.7	13.2	12.3	10.7	5.6	4.3	4.5	4.5	4.1	9.0	13.8	4.1
14	3.3	2.6	3.1	3.8	4.0	3.9	4.0	5.1	6.5	7.3	6.0	5.4	5.0	5.2	5.9	5.3	4.8	4.7	5.4	5.0	4.9	4.0	4.0	4.1	4.7	7.3	2.6
15	4.0	4.0	4.2	2.9	1.0	1.0	3.9	5.8	7.1	8.7	10.0	11.4	12.0	12.6	13.1	14.0	14.1	13.4	12.0	11.2	9.7	8.5	7.7	7.3	8.3	14.1	1.0
16	6.8	6.5	6.0	5.8	5.7	5.9	6.2	7.3	8.8	10.1	11.2	11.9	12.3	10.1	8.4	10.5	10.2	9.3	8.8	8.1	7.9	7.3	7.1	6.9	8.3	12.3	5.7
17	7.1	7.2	7.3	7.1	7.0	7.0	7.3	7.5	7.1	6.5	6.8	8.2	9.5	10.3	10.3	10.0	9.9	10.0	9.4	9.0	7.4	6.0	5.1	4.4	7.8	10.3	4.4
18	4.5	4.7	4.3	3.5	3.1	3.6	3.7	4.0	4.5	5.5	6.5	7.0	7.4	6.1	6.3	6.8	5.5	4.5	4.5	4.6	4.7	4.8	4.8	4.5	5.0	7.4	3.1
19	4.3	4.4	4.7	4.8	4.6	4.7	4.9	5.6	7.7	9.3	9.6	10.0	11.2	11.8	12.3	14.0	15.4	13.9	12.1	10.9	9.0	7.7	6.2	4.3	8.5	15.4	4.3
20	3.1	2.1	2.0	1.6	0.9	1.5	5.3	11.5	15.7	16.6	17.1	18.0	18.8	15.0	9.8	13.3	16.0	16.5	11.8	10.4	9.5	8.4	7.8	7.4	10.0	18.8	0.9
21	6.3	5.5	4.2	3.3	2.6	2.5	4.5	9.0	11.7	13.8	14.9	15.8	16.7	17.2	17.8	18.2	18.5	18.5	17.3	14.7	11.8	10.9	9.9	8.7	11.4	18.5	2.5
22	8.7	7.6	6.1	4.9	3.7	4.6	7.8	11.9	13.9	15.3	15.6	16.3	13.4	9.3	9.4	9.6	10.5	11.2	10.9	10.5	8.9	7.4	6.7	5.8	9.6	16.3	3.7
23	5.5	5.7	5.1	4.4	3.6	3.2	4.5	7.9	11.7	14.8	15.9	14.6	14.5	14.7	11.0	13.1	14.8	15.8	16.0	14.4	10.1	8.9	8.0	6.3	10.2	16.0	3.2
24	5.5	5.4	4.1	4.0	2.4	3.3	7.3	12.2	Au	Au	Au	ND	5.5	12.2	2.4												
25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Avg	4.8	4.1	3.6	3.1	2.5	2.9	5.3	8.4	10.5	11.6	12.5	13.2	13.4	13.2	13.1	13.6	13.9	13.6	12.5	11.0	8.9	7.6	6.7	5.7	8.9	14.9	2.0
Max	8.7	7.6	8.5	9.2	8.2	8.4	9.2	12.2	15.7	16.6	17.8	18.4	18.8	19.0	19.1	18.6	19.3	18.7	18.2	16.1	13.8	12.9	12.6	10.5	11.6	19.3	5.7
Min	1.7	0.5	-0.6	-1.0	-1.7	-0.9	2.4	4.0	4.5	5.5	6.0	5.4	5.0	5.2	5.9	5.3	4.8	4.5	4.5	4.6	4.3	4.0	3.3	2.5	4.7	7.3	-1.7

A-15

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
April 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	0.62	0.53	1.24	1.79	1.28	1.89	1.32	1.16	1.25	0.93	0.67	-0.72	0.37	0.49	0.45	0.09	0.00	0.05	0.07	0.16	0.09	0.15	0.31	0.62	0.62	1.89	-0.72
2	1.26	0.70	1.00	0.79	0.26	-0.07	-0.05	-0.10	-0.18	-0.49	-0.73	-0.20	-0.02	0.21	0.28	0.17	0.10	0.10	0.62	1.18	0.36	0.44	1.23	0.93	0.32	1.26	-0.73
3	0.67	0.45	0.10	0.37	0.88	1.22	1.24	0.93	0.93	1.74	-0.03	0.14	-0.04	0.16	0.04	-0.07	0.21	1.27	1.32	0.60	0.78	1.58	1.59	1.65	0.74	1.74	-0.07
4	1.36	1.11	1.20	1.75	2.29	1.09	0.70	0.84	1.43	0.54	0.42	0.40	0.46	0.55	0.25	0.45	0.57	0.50	0.28	0.38	0.41	0.18	0.50	0.52	0.76	2.29	0.18
5	0.61	0.99	0.65	0.73	1.01	1.05	1.05	1.09	0.49	0.28	0.27	0.21	0.21	0.22	0.24	0.32	0.40	0.47	0.50	0.58	0.83	1.14	0.67	0.72	0.61	1.14	0.21
6	0.71	0.33	0.26	0.37	0.34	0.21	0.20	0.21	0.22	0.22	0.26	0.35	0.44	0.53	0.39	0.15	0.18	0.23	0.04	0.27	0.29	0.38	0.44	0.62	0.32	0.71	0.04
7	0.94	0.81	0.90	0.41	0.30	0.66	0.86	0.62	1.11	2.00	0.44	0.65	0.71	0.84	1.01	1.16	1.33	1.32	1.42	1.40	1.06	2.23	1.11	0.58	0.99	2.23	0.30
8	0.43	0.59	0.68	0.98	0.68	1.34	0.95	0.93	0.84	0.57	1.95	1.70	1.42	1.31	1.04	1.72	1.84	1.99	1.26	2.16	2.54	1.92	4.57	2.53	1.50	4.57	0.43
9	2.80	3.20	2.89	1.46	1.25	2.43	1.86	1.05	0.96	0.90	0.68	0.67	0.72	0.74	0.79	0.79	0.87	0.97	0.94	0.88	0.70	0.82	0.81	0.76	1.25	3.20	0.67
10	1.38	0.94	1.14	0.82	0.79	0.66	1.00	0.99	0.43	0.32	0.31	0.43	0.56	0.73	0.87	1.00	1.08	0.87	0.99	0.96	0.86	0.74	0.52	0.61	0.79	1.38	0.31
11	0.86	0.70	0.86	0.66	0.63	0.72	0.49	0.31	0.10	1.19	0.52	0.61	0.74	0.88	0.91	1.04	1.16	1.52	1.57	1.37	1.04	1.13	0.68	0.84	0.86	1.57	0.10
12	0.51	0.67	0.49	0.19	0.05	0.04	0.02	-0.06	-0.09	-0.12	-0.16	-0.15	-0.18	-0.20	-0.24	-0.21	-0.21	-0.16	-0.11	-0.08	-0.08	-0.09	-0.05	-0.06	-0.01	0.67	-0.24
13	-0.06	-0.08	0.42	0.33	0.41	0.16	0.20	0.46	0.02	-0.07	-0.22	-0.20	-0.11	-0.13	-0.10	-0.03	0.02	0.20	0.31	0.98	1.29	0.51	0.16	0.14	0.19	1.29	-0.22
14	0.14	0.10	1.06	1.30	0.91	0.81	0.43	0.23	0.25	0.05	-0.02	0.01	0.06	0.20	0.24	0.41	0.62	0.91	1.13	1.19	1.87	1.13	0.43	0.87	0.60	1.87	-0.02
15	0.73	1.50	1.43	0.90	0.62	1.51	1.17	0.63	0.81	0.59	0.49	0.43	0.37	0.36	0.15	0.00	0.03	-0.03	-0.01	-0.01	-0.02	-0.01	-0.02	0.00	0.48	1.51	-0.03
16	0.02	0.69	0.78	0.83	1.73	0.54	0.69	1.70	0.42	0.29	-0.14	-0.05	-0.22	-0.42	-0.13	-0.12	0.17	0.19	0.28	0.41	0.54	0.21	0.12	0.17	0.36	1.73	-0.42
17	0.10	0.11	0.24	0.23	0.37	0.21	0.46	0.04	-0.11	-0.17	-0.02	-0.19	-0.14	-0.02	0.45	0.98	1.00	0.91	1.15	0.31	0.81	0.95	0.18	0.34	0.34	1.15	0.19
18	0.57	0.84	0.83	0.54	0.31	0.26	0.09	0.19	0.16	0.04	0.06	0.25	0.26	-0.12	-0.05	0.14	0.11	0.28	0.44	0.63	0.68	0.81	0.90	0.79	0.38	0.90	-0.12
19	0.81	0.85	1.16	1.26	0.34	0.34	0.37	-0.20	-0.03	-0.29	0.08	0.18	0.37	0.56	0.62	0.67	0.92	0.33	0.70	0.67	0.38	0.40	0.53	0.88	0.50	1.26	-0.29
20	0.90	0.97	0.93	0.69	0.45	0.62	0.44	0.24	0.10	0.05	-0.01	0.07	0.16	0.24	0.39	0.47	0.53	0.77	1.04	1.40	1.70	0.53	0.28	0.32	0.55	1.70	-0.01
21	0.65	0.57	0.58	0.75	0.86	1.02	0.32	-0.10	-0.03	-0.42	-0.18	-0.16	-0.15	0.70	0.38	0.47	1.19	1.30	0.43	0.28	0.42	0.94	0.99	0.83	0.48	1.30	-0.42
22	1.08	0.55	1.29	1.40	0.79	1.20	0.75	0.59	0.48	0.91	0.66	0.82	1.50	0.96	1.41	1.96	1.00	0.35	0.40	0.16	0.10	0.06	0.00	0.02	0.77	1.96	0.00
23	0.03	-0.03	0.00	0.01	-0.02	0.08	0.20	0.13	0.04	-0.02	-0.03	-0.12	-0.10	-0.12	-0.22	-0.19	-0.08	-0.09	0.16	0.19	0.07	0.05	0.02	0.02	-0.00	0.20	-0.22
24	0.00	-0.03	-0.02	0.00	0.04	0.38	-0.06	-0.16	-0.14	-0.10	-0.23	-0.20	-0.04	-0.07	-0.11	-0.14	-0.10	-0.12	0.12	0.64	0.70	0.17	0.44	0.39	0.06	0.70	-0.23
25	0.42	0.56	0.53	0.37	0.37	0.29	-0.01	-0.06	-0.07	-0.11	-0.27	-0.13	-0.29	-0.33	-0.32	-0.11	0.32	0.27	0.34	0.17	0.14	0.09	0.05	0.07	0.10	0.56	-0.33
26	0.13	0.09	0.21	0.20	0.23	0.20	0.12	0.19	-0.14	-0.23	-0.40	-0.46	-0.47	-0.68	-0.78	-0.39	-0.47	-0.15	-0.08	-0.06	-0.04	-0.07	-0.08	-0.04	-0.13	0.23	-0.78
27	-0.04	-0.03	0.09	0.26	0.21	0.21	0.07	-0.23	-0.41	-0.50	-0.64	-1.11	-1.09	-0.90	-0.52	-0.29	-0.30	-0.32	-0.03	1.31	0.87	0.31	0.39	0.13	-0.11	1.31	-1.11
28	0.03	0.00	0.14	0.26	0.29	0.37	-0.13	-0.25	-0.48	-0.59	-0.69	-0.62	-0.87	-0.89	-0.75	-0.82	-0.64	-0.44	-0.15	0.61	0.78	1.03	0.72	1.28	-0.08	1.28	-0.89
29	1.22	1.28	0.83	1.21	1.04	0.32	-0.02	-0.28	-0.41	-0.77	-0.62	-0.58	-0.53	-0.59	-0.71	-0.66	-0.65	-0.59	0.02	0.97	1.66	0.94	0.47	0.67	0.18	1.66	-0.77
30	0.87	1.44	1.02	0.77	0.94	0.83	-0.12	-0.27	-0.37	-0.68	-0.87	-0.98	-0.96	-1.05	-0.97	-0.99	-0.85	-0.26	0.66	1.00	0.40	0.38	0.50	0.84	0.05	1.44	-1.05
Avg	0.66	0.68	0.76	0.72	0.65	0.69	0.49	0.36	0.25	0.20	0.05	0.03	0.10	0.14	0.17	0.27	0.34	0.42	0.53	0.69	0.71	0.64	0.62	0.60	0.45	1.49	-0.22
Max	2.80	3.20	2.89	1.79	2.29	2.43	1.86	1.70	1.43	2.00	1.95	1.70	1.50	1.31	1.41	1.96	1.84	1.99	1.57	2.16	2.54	2.23	4.57	2.53	1.50	4.57	0.67
Min	-0.06	-0.08	-0.02	0.00	-0.02	-0.07	-0.13	-0.28	-0.48	-0.77	-0.87	-1.11	-1.09	-1.05	-0.97	-0.99	-0.85	-0.59	-0.15	-0.08	-0.08	-0.09	-0.08	-0.06	-0.13	0.20	-1.11

A-16

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
May 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	0.91	1.12	1.19	0.85	1.33	1.15	0.04	-0.40	-0.30	-0.92	-1.16	-1.18	-1.22	-1.24	-1.04	-1.00	-0.93	-0.66	0.00	0.84	0.17	0.27	0.30	0.60	-0.05	1.33	-1.24
2	0.77	0.85	0.74	0.95	0.93	0.84	-0.11	-0.37	-0.73	-1.00	-1.16	-1.35	-1.30	-1.38	-1.27	-1.11	-0.84	-0.69	-0.07	0.19	0.29	0.29	0.20	0.21	-0.21	0.95	-1.38
3	0.69	0.70	0.50	-0.06	-0.06	-0.11	-0.15	-0.27	-0.53	-0.74	-0.88	-0.99	-1.32	-1.32	-0.96	-0.98	-0.85	-0.63	-0.43	0.04	0.06	0.20	0.46	0.55	-0.30	0.70	-1.32
4	0.17	0.01	-0.11	-0.11	-0.11	-0.15	-0.14	-0.25	-0.18	-0.19	-0.37	-0.64	-1.25	-0.47	-0.81	-0.70	-0.90	-0.70	-0.07	0.42	0.23	0.13	0.24	0.07	-0.25	0.42	-1.25
5	0.13	0.10	0.03	0.41	0.20	0.00	-0.31	-0.33	-0.30	-0.73	-1.13	-1.35	-1.12	-0.94	-0.94	-0.72	-0.07	-0.20	-0.17	0.10	0.13	0.07	0.02	0.04	-0.29	0.41	-1.35
6	-0.01	0.05	0.16	0.16	0.18	0.10	-0.14	-0.26	-0.38	-0.68	-0.88	-0.95	-0.59	-0.78	-0.68	-0.54	-0.54	-0.43	-0.25	-0.14	-0.09	0.04	-0.06	-0.09	-0.28	0.18	-0.95
7	-0.07	-0.09	-0.09	-0.05	-0.06	-0.09	-0.19	-0.26	-0.34	-0.43	-0.47	-0.93	-0.92	-0.40	-0.44	-0.46	-0.42	-0.56	-0.27	0.18	0.34	0.55	1.21	1.01	-0.14	1.21	-0.93
8	0.99	0.80	0.74	0.84	0.66	0.26	-0.17	-0.36	-0.41	-1.03	-1.20	-1.16	-1.40	-1.47	-1.27	-1.11	-0.95	-0.77	-0.23	0.99	0.46	0.14	0.17	0.55	-0.21	0.99	-1.47
9	0.82	1.24	1.08	1.43	0.57	0.21	-0.15	-0.18	-0.31	-0.65	-0.53	-0.56	-0.61	-0.74	-0.40	-0.56	-0.57	-0.26	-0.01	0.22	0.58	0.97	1.37	1.33	0.18	1.43	-0.74
10	1.01	0.63	0.82	1.08	0.87	0.75	-0.11	-0.47	-0.51	-0.55	-0.53	-0.70	-0.87	-0.74	-0.84	-0.62	-0.40	-0.40	-0.22	-0.05	0.02	0.00	0.07	0.41	-0.06	1.08	-0.87
11	0.21	0.32	0.97	0.28	0.12	0.10	-0.20	-0.40	-0.58	-0.58	-0.67	-0.91	-0.84	-0.68	-0.55	-0.61	-0.63	-0.44	-0.31	-0.01	0.14	0.08	0.43	0.71	-0.17	0.97	-0.91
12	0.56	0.25	0.36	1.07	0.89	0.59	-0.36	-0.31	-0.59	-0.79	-0.86	-1.03	-1.05	-1.26	-1.26	-0.70	-1.08	-0.90	-0.43	0.71	0.89	0.26	0.92	0.87	-0.14	1.07	-1.26
13	1.20	1.43	1.27	1.25	1.38	1.02	-0.20	-0.34	-0.62	-1.21	-1.24	-0.93	-0.83	-1.23	-1.44	-0.95	-0.34	-0.62	-0.33	0.82	0.87	0.38	0.58	0.89	0.03	1.43	-1.44
14	1.76	1.37	1.30	1.51	1.14	1.46	0.18	-0.27	-0.51	-1.06	-1.29	-0.72	-0.82	-0.85	-0.94	-0.75	-0.72	-0.32	0.08	1.22	0.47	0.06	0.07	0.58	0.12	1.76	-1.29
15	0.30	0.59	0.72	1.25	1.33	0.83	-0.15	-0.33	-0.61	-1.07	-1.24	-0.81	-1.14	-1.51	-1.06	-0.74	-0.74	-0.26	-0.37	0.22	0.19	0.27	0.12	0.20	-0.17	1.33	-1.51
16	0.15	0.23	0.30	0.48	0.53	0.09	-0.13	-0.28	-0.39	-0.43	-0.63	-0.83	-0.65	-0.73	-0.38	-0.32	-0.37	-0.39	-0.18	0.03	0.10	0.15	0.32	0.29	-0.13	0.53	-0.83
17	0.37	0.02	-0.05	-0.02	-0.04	-0.09	-0.15	-0.20	-0.30	-0.48	-0.62	-0.62	-0.80	-1.08	-0.76	-0.55	-0.44	-0.21	-0.03	0.02	0.09	0.00	0.02	0.20	-0.24	0.37	-1.08
18	0.45	0.64	0.32	0.31	0.16	0.17	-0.13	-0.22	-0.14	-0.27	-0.77	-0.51	-0.28	-0.11	-0.18	-0.29	-0.43	-0.40	-0.27	0.01	0.18	0.18	0.08	0.57	-0.04	0.64	-0.77
19	0.40	0.49	0.76	0.39	0.10	0.27	0.00	-0.17	-0.28	-0.30	-0.38	-1.08	-1.42	-1.38	-0.40	-1.09	-0.76	-0.56	-0.23	0.24	0.62	0.37	0.35	0.57	-0.15	0.76	-1.42
20	0.55	0.57	0.90	0.79	0.96	1.07	-0.20	-0.28	-0.44	-0.59	-0.91	-0.93	-1.17	-1.16	-0.99	-0.66	-0.10	0.25	-0.16	0.05	0.11	0.03	0.19	0.65	-0.06	1.07	-1.17
21	1.02	1.47	1.09	1.35	0.96	0.83	-0.08	-0.24	-0.38	-0.74	-0.95	-0.75	-0.80	-0.89	-0.63	-0.89	-0.54	-0.64	-0.24	0.31	0.46	0.83	0.19	0.30	0.04	1.47	-0.95
22	0.74	0.65	0.47	0.25	0.60	0.61	-0.23	-0.37	-0.50	-0.67	-0.77	-1.13	-0.99	-0.70	-0.79	-0.79	-0.59	-0.23	0.73	0.08	0.16	0.18	0.59	-0.15	0.74	-1.13	
23	0.47	1.17	1.07	1.23	0.82	1.33	-0.05	-0.29	-0.43	-0.64	-0.96	-1.25	-1.22	-0.78	-1.17	-0.91	-0.54	-0.02	1.07	0.55	0.56	0.31	0.53	0.75	0.07	1.33	-1.25
24	0.21	0.45	0.89	1.45	1.23	1.22	0.08	-0.20	-0.15	-0.58	-0.84	-0.56	-0.55	-0.58	-0.53	-0.69	-0.89	-0.46	-0.29	-0.01	-0.03	0.12	0.21	0.10	-0.02	1.45	-0.89
25	-0.04	-0.03	-0.05	-0.07	0.14	-0.12	-0.22	-0.27	-0.32	-0.71	-0.95	-0.99	-0.92	-1.11	-1.04	-0.84	-0.72	-0.44	-0.18	0.79	0.22	0.71	0.69	0.44	-0.25	0.79	-1.11
26	0.58	1.01	0.69	1.04	1.25	0.31	-0.15	-0.41	-0.80	-0.84	-0.81	-0.54	-1.00	-1.09	-0.84	-0.76	-0.42	-0.43	0.28	0.29	0.60	0.71	1.06	1.45	0.05	1.45	-1.09
27	1.27	0.72	0.73	0.60	1.26	0.19	-0.35	-0.39	-0.59	-0.60	-1.14	-1.03	-0.90	-0.53	-0.81	-0.80	-0.63	-0.06	0.25	0.11	0.22	0.52	0.19	0.48	-0.05	1.27	-1.14
28	1.14	1.93	1.44	0.48	0.33	0.15	-0.15	-0.48	-0.86	-0.99	-0.75	-0.66	-0.98	-0.92	-0.85	-0.55	-0.19	-0.33	-0.20	0.29	0.62	0.53	0.27	0.43	-0.01	1.93	-0.99
29	0.26	0.58	0.40	0.00	0.02	-0.02	-0.23	-0.40	-0.54	-0.75	-1.20	-1.36	-1.13	-1.45	-1.39	-1.12	-0.96	-0.74	-0.37	0.69	0.83	0.25	0.42	0.94	-0.30	0.94	-1.45
30	0.59	0.91	0.58	1.03	1.07	1.09	-0.30	-0.39	-1.05	-1.04	-0.99	-1.00	-0.82	-0.88	-0.65	-0.68	-0.68	-0.44	-0.15	0.06	0.27	0.77	0.70	1.22	-0.03	1.22	-1.05
31	0.36	0.91	1.52	1.26	1.24	0.81	-0.21	-0.29	-0.49	-0.28	-0.16	-0.54	-0.57	-1.08	-0.89	-0.87	0.05	-0.01	-0.06	-0.04	0.30	0.26	0.42	0.08	1.52	-1.08	
Avg	0.58	0.68	0.67	0.69	0.65	0.48	-0.15	-0.31	-0.47	-0.69	-0.85	-0.90	-0.95	-0.95	-0.85	-0.75	-0.59	-0.43	-0.13	0.32	0.32	0.31	0.38	0.55	-0.10	1.06	-1.14
Max	1.76	1.93	1.52	1.51	1.38	1.46	0.18	-0.17	-0.14	-0.19	-0.16	-0.51	-0.28	-0.11	-0.18	-0.29	0.05	0.25	1.07	1.22	0.89	0.97	1.37	1.45	0.18	1.93	-0.74
Min	-0.07	-0.09	-0.11	-0.11	-0.15	-0.36	-0.48	-1.05	-1.21	-1.29	-1.36	-1.42	-1.51	-1.44	-1.12	-1.08	-0.90	-0.43	-0.14	-0.09	0.00	-0.06	-0.09	-0.30	0.18	-1.51	

A-17

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
June 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	0.63	0.45	-0.02	-0.04	0.25	-0.07	-0.14	-0.21	-0.44	-0.69	-0.50	-0.16	-0.29	-0.20	-0.07	0.01	-0.46	-0.45	-0.28	0.02	0.24	0.36	0.17	0.15	-0.07	0.63	-0.69	
2	0.14	0.25	0.22	0.32	0.61	0.48	-0.09	-0.38	-0.51	-0.52	-0.65	-0.73	-0.73	-0.46	-0.46	-0.50	-0.45	-0.32	-0.32	0.48	0.72	0.26	0.35	0.72	-0.07	0.72	-0.73	
3	0.78	1.15	1.50	0.96	1.03	0.26	-0.10	-0.18	-0.44	-0.66	-0.85	-0.99	-0.85	-1.10	-1.21	-0.75	-0.52	-0.35	-0.26	0.28	1.03	0.60	0.57	0.67	0.02	1.50	-1.21	
4	0.92	0.59	0.45	0.64	0.80	0.35	-0.22	-0.47	-0.65	-0.95	-1.15	-1.11	-0.97	-0.93	-0.91	-0.94	-1.05	-0.77	-0.35	0.60	0.86	0.48	0.53	0.58	-0.15	0.92	-1.15	
5	0.94	0.62	0.85	1.13	0.90	0.11	-0.36	-0.46	-0.77	-1.03	-1.17	-1.24	-1.29	-1.18	-1.26	-1.29	-1.22	-1.00	-0.49	-0.23	0.13	-0.11	-0.13	0.05	-0.35	1.13	-1.29	
6	-0.10	-0.14	-0.14	-0.13	-0.15	-0.18	-0.21	-0.26	-0.50	-0.71	-0.60	-0.81	-0.68	-0.90	-1.02	-1.09	-0.79	-0.85	-0.29	-0.01	0.32	0.46	0.16	0.27	-0.35	0.46	-1.09	
7	0.21	0.94	0.45	0.37	0.54	0.09	-0.28	-0.44	-0.53	-0.68	-1.09	-0.81	-0.75	-0.51	-0.77	-0.69	-0.28	-0.12	0.06	0.18	0.73	0.62	0.47	0.51	-0.07	0.94	-1.09	
8	0.65	0.47	0.43	0.84	0.64	0.30	-0.19	-0.30	-0.45	-0.78	-0.96	-0.83	-0.74	-0.99	-0.80	-0.59	-0.37	-0.46	-0.11	0.74	0.71	0.58	1.41	1.29	0.02	1.41	-0.99	
9	0.72	0.79	1.49	1.22	1.42	0.57	-0.33	-0.37	-0.76	-0.62	-1.12	-1.25	-0.88	-0.76	-0.65	-0.37	-0.53	-0.27	0.13	0.82	1.52	1.42	2.18	0.87	0.22	2.18	-1.25	
10	0.74	1.42	1.08	1.02	1.50	0.70	-0.30	-0.42	-0.74	-0.79	-0.97	-1.08	-1.06	-1.01	-0.92	-0.85	-0.43	-0.47	0.13	0.15	0.31	0.05	0.33	0.62	-0.04	1.50	-1.08	
11	0.76	1.06	0.85	1.44	1.43	0.34	-0.32	-0.46	-0.61	-0.87	-0.75	-0.79	-1.00	-1.31	-1.41	-1.10	-0.88	-0.78	-0.49	-0.16	0.67	0.47	0.52	1.05	-0.10	1.44	-1.41	
12	1.28	1.04	1.55	1.03	1.13	0.92	-0.31	-0.77	-1.11	-1.40	-1.47	-1.60	-1.36	-1.20	-0.77	-0.50	-0.53	-0.20	0.04	0.02	0.07	0.32	0.54	1.16	-0.09	1.55	-1.60	
13	1.19	0.84	0.25	0.21	0.65	0.12	-0.12	-0.20	-0.12	-0.12	-0.73	-1.06	-0.63	-1.06	-1.05	-0.81	-0.31	-0.04	0.03	0.11	-0.08	-0.04	-0.10	-0.02	-0.13	1.19	-1.06	
14	0.15	0.06	-0.07	-0.01	0.03	0.05	-0.17	-0.19	-0.44	-0.40	-0.42	-0.29	-0.38	-0.40	-0.36	-0.26	-0.13	-0.18	-0.10	-0.09	-0.05	-0.02	-0.08	-0.15	-0.16	0.15	-0.44	
15	-0.03	-0.03	-0.01	0.22	0.59	0.20	-0.26	-0.33	-0.46	-0.74	-0.78	-0.97	-1.01	-0.92	-0.98	-0.81	-0.48	-0.09	-0.19	-0.02	-0.02	0.12	0.04	-0.03	-0.29	0.59	-1.01	
16	-0.07	-0.05	-0.05	-0.02	-0.05	-0.12	-0.12	-0.30	-0.53	-0.70	-0.71	-0.57	-0.37	-0.13	-0.45	-0.48	-0.22	-0.16	-0.11	-0.02	0.00	-0.02	-0.04	-0.02	-0.22	0.00	-0.71	
17	-0.03	-0.01	-0.02	-0.07	-0.10	-0.06	-0.13	-0.19	-0.17	-0.39	-0.95	-1.25	-1.19	-1.26	-1.11	-0.94	-0.69	-0.59	-0.27	-0.19	0.14	0.30	0.06	0.07	-0.38	0.30	-1.26	
18	-0.10	0.05	0.06	-0.07	-0.05	0.01	-0.12	-0.21	-0.34	-0.58	-0.70	-0.48	-0.47	-0.31	-0.26	-0.20	-0.09	-0.12	-0.08	-0.04	0.03	0.06	0.05	0.06	-0.16	0.06	-0.70	
19	0.00	-0.03	0.04	0.01	-0.03	-0.08	-0.10	-0.06	0.00	-0.03	0.04	0.08	-0.23	-0.09	-0.01	-0.35	-0.56	0.11	0.42	0.35	0.42	0.45	0.69	0.64	0.07	0.69	-0.56	
20	0.54	0.61	0.48	0.58	0.51	0.40	-0.26	-0.32	-0.47	-0.72	-0.82	-0.93	-0.82	0.12	0.02	-0.50	-0.40	-0.05	0.03	0.07	0.22	0.10	0.14	0.01	-0.06	0.61	-0.93	
21	0.21	0.38	0.11	0.28	0.16	-0.04	-0.24	-0.26	-0.49	-0.74	-0.80	-0.92	-0.85	-0.74	-0.84	-0.71	-0.65	-0.56	-0.21	0.55	0.83	0.94	0.31	0.69	-0.15	0.94	-0.92	
22	0.60	0.66	0.57	0.70	0.66	0.06	-0.23	-0.34	-0.55	-0.85	-0.89	-0.98	-0.11	0.11	0.04	-0.10	-0.11	-0.23	-0.17	-0.08	0.13	0.21	0.06	0.19	-0.03	0.70	-0.98	
23	0.19	0.01	0.14	0.16	0.50	0.12	-0.14	-0.28	-0.33	-0.49	-0.71	-0.36	-0.37	-0.38	-0.10	-0.47	-0.62	-0.46	-0.26	0.20	0.51	0.26	0.17	0.44	-0.09	0.51	-0.71	
24	0.55	0.37	0.65	0.61	1.07	0.77	-0.26	-0.33	Au	Au	Au	ND	0.43	1.07	-0.33													
25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Avg	0.45	0.48	0.45	0.47	0.59	0.22	-0.21	-0.32	-0.50	-0.67	-0.82	-0.83	-0.74	-0.68	-0.67	-0.62	-0.51	-0.37	-0.14	0.16	0.41	0.34	0.37	0.43	-0.11	0.88	-0.97	
Max	1.28	1.42	1.55	1.44	1.50	0.92	-0.09	-0.06	0.00	-0.03	0.04	0.08	-0.11	0.12	0.04	0.01	-0.09	0.11	0.42	0.82	1.52	1.42	2.18	1.29	0.43	2.18	-0.33	
Min	-0.10	-0.14	-0.14	-0.13	-0.15	-0.18	-0.36	-0.77	-1.11	-1.40	-1.47	-1.60	-1.36	-1.31	-1.41	-1.29	-1.22	-1.00	-0.49	-0.23	-0.08	-0.11	-0.13	-0.15	-0.38	0.00	-1.60	

A-18

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m²)
April 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	0.0	0.0	0.0	0.0	41.2	133.1	335.8	456.2	747.0	865.0	449.8	365.7	266.9	225.0	120.8	76.8	18.6	0.0	0.0	0.0	0.0	0.0	170.9	865.0	0.0	
2	0.0	0.0	0.0	0.0	0.0	0.0	19.2	106.4	212.7	388.3	636.9	815.0	847.0	821.0	730.6	403.3	313.3	205.3	34.7	0.0	0.0	0.0	0.0	0.0	230.6	847.0	0.0	
3	0.0	0.0	0.0	0.0	0.0	0.8	57.2	246.6	409.0	578.0	776.5	834.0	822.0	800.0	750.9	284.4	380.7	130.8	29.3	0.0	0.0	0.0	0.0	0.0	254.2	834.0	0.0	
4	0.0	0.0	0.0	0.0	0.0	0.0	26.0	117.2	230.5	345.8	622.2	847.0	771.7	348.7	212.3	302.4	142.0	103.3	16.9	0.0	0.0	0.0	0.0	0.0	170.3	847.0	0.0	
5	0.0	0.0	0.0	0.0	0.0	0.3	38.7	243.3	481.1	609.6	587.9	585.9	688.4	665.4	411.2	318.9	269.8	168.2	60.3	0.0	0.0	0.0	0.0	0.0	213.7	688.4	0.0	
6	0.0	0.0	0.0	0.0	0.0	0.0	1.7	28.2	67.4	166.1	276.8	497.7	570.0	575.2	621.2	454.2	418.3	165.3	215.5	13.4	0.1	0.0	0.0	0.0	0.0	169.6	621.2	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.8	65.0	213.8	276.5	559.6	680.5	752.8	814.0	852.0	707.9	565.0	328.1	279.6	71.0	0.1	0.0	0.0	0.0	0.0	256.9	852.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	41.4	94.0	161.8	191.6	261.0	308.2	295.4	397.1	376.6	590.5	431.6	221.7	47.8	0.1	0.0	0.0	0.0	0.0	142.5	590.5	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	1.1	55.1	245.9	211.1	65.7	79.6	390.4	493.2	648.8	636.9	426.9	396.9	138.9	30.7	0.2	0.0	0.0	0.0	0.0	159.2	648.8	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	1.6	67.1	202.5	362.9	578.7	773.2	853.0	878.0	822.0	623.5	618.5	356.3	239.0	48.4	0.3	0.0	0.0	0.0	0.0	267.7	878.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	1.2	34.0	78.0	132.6	235.8	383.2	856.0	886.0	843.0	762.5	470.0	386.6	202.4	26.7	0.5	0.0	0.0	0.0	0.0	220.8	886.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	1.1	37.5	121.0	303.2	435.8	600.0	532.0	366.8	303.2	259.2	251.4	181.5	68.3	15.1	0.0	0.0	0.0	0.0	0.0	144.8	600.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	2.9	55.1	230.0	507.0	674.0	802.0	882.0	902.0	863.0	768.8	634.1	444.4	156.9	89.4	1.4	0.0	0.0	0.0	0.0	292.3	902.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	3.8	113.2	304.5	496.6	662.4	792.2	864.0	877.0	832.0	760.8	556.9	471.5	220.8	58.3	0.4	0.0	0.0	0.0	0.0	292.3	877.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	1.1	19.1	57.1	87.8	139.0	159.6	258.3	325.6	218.6	189.1	171.6	99.7	62.5	25.2	0.5	0.0	0.0	0.0	0.0	75.6	325.6	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	2.8	56.0	189.8	418.9	539.3	819.0	899.0	431.9	547.4	518.8	415.7	322.2	199.6	51.4	0.9	0.0	0.0	0.0	0.0	225.5	899.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	5.0	80.2	252.2	369.2	518.2	439.0	456.9	450.9	509.2	371.8	261.6	109.3	77.0	33.6	2.1	0.0	0.0	0.0	0.0	164.0	518.2	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	2.5	38.5	64.4	131.5	246.6	470.0	593.3	430.0	529.7	346.9	491.8	479.6	301.0	88.6	2.5	0.0	0.0	0.0	0.0	175.7	593.3	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	8.2	138.4	325.5	511.5	679.8	808.0	887.0	904.0	862.0	746.9	501.8	357.0	280.9	90.7	2.3	0.0	0.0	0.0	0.0	296.0	904.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	15.3	134.2	316.8	505.7	689.9	818.0	892.0	944.0	862.0	784.1	649.8	476.9	274.9	95.3	3.2	0.0	0.0	0.0	0.0	310.9	944.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	14.2	136.2	317.0	504.5	656.9	694.4	829.0	895.0	904.0	753.0	556.7	344.1	186.7	47.8	7.4	0.0	0.0	0.0	0.0	285.3	904.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	14.5	109.4	293.2	337.2	469.5	612.3	727.9	509.0	293.0	231.2	68.0	42.5	29.0	4.1	1.9	0.0	0.0	0.0	0.0	155.9	727.9	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	5.3	42.4	100.6	256.2	482.3	488.8	683.4	433.1	606.0	624.6	472.1	243.1	208.4	29.2	2.0	0.0	0.0	0.0	0.0	194.9	683.4	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	19.6	141.3	258.2	243.8	189.9	271.0	356.4	232.3	284.5	356.7	339.2	243.8	234.7	93.5	3.7	0.0	0.0	0.0	0.0	136.2	356.7	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	12.0	81.1	183.9	224.8	322.9	476.3	425.7	385.1	573.8	647.8	265.6	136.9	61.5	31.6	2.1	0.0	0.0	0.0	0.0	159.6	647.8	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	3.9	31.4	36.7	93.7	186.7	395.2	399.2	383.0	645.4	664.5	338.6	315.1	64.1	19.8	2.0	0.0	0.0	0.0	0.0	149.1	664.5	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	18.2	81.6	284.0	396.6	375.1	468.8	941.0	949.0	658.7	319.8	244.9	266.9	280.6	136.4	6.2	0.0	0.0	0.0	0.0	226.2	949.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	29.3	145.9	173.9	366.2	379.9	491.1	433.4	628.6	630.7	612.5	586.2	443.1	301.5	129.5	8.9	0.0	0.0	0.0	0.0	223.4	630.7	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	12.3	76.7	198.9	301.4	697.4	623.0	470.3	451.0	532.3	608.1	541.9	508.5	403.8	98.5	9.8	0.0	0.0	0.0	0.0	230.6	697.4	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	33.0	189.7	378.3	565.8	724.7	849.0	922.0	936.0	898.0	790.6	669.6	486.4	226.5	70.9	4.9	0.0	0.0	0.0	0.0	322.7	936.0	0.0
Avg	0.0	0.0	0.0	0.0	0.0	0.0	7.1	72.7	194.5	320.1	445.2	570.8	671.0	631.8	624.6	543.0	421.4	308.8	187.3	53.6	2.1	0.0	0.0	0.0	0.0	210.6	743.9	0.0
Max	0.0	0.0	0.0	0.0	0.0	0.0	33.0	189.7	378.3	565.8	724.7	849.0	941.0	949.0	904.0	790.6	669.6	508.5	403.8	136.4	9.8	0.0	0.0	0.0	0.0	322.7	949.0	0.0
Min	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.1	36.7	87.8	65.7	79.6	258.3	232.3	218.6	189.1	68.0	42.5	29.0	4.1	0.0	0.0	0.0	0.0	75.6	325.6	0.0	

A-19

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m²)
May 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	0.0	0.0	0.0	33.2	188.1	369.7	552.1	706.0	817.0	898.0	916.0	844.0	738.8	675.4	506.4	325.2	128.2	9.2	0.0	0.0	0.0	0.0	321.1	916.0	0.0	
2	0.0	0.0	0.0	0.0	0.0	43.0	240.6	375.0	548.4	709.7	766.3	879.0	890.0	854.0	752.2	606.5	404.3	302.3	75.2	13.8	0.0	0.0	0.0	0.0	310.8	890.0	0.0	
3	0.0	0.0	0.0	0.0	0.0	5.5	54.9	116.9	193.0	258.4	297.8	343.3	588.5	480.8	286.8	312.7	232.0	132.7	95.5	14.2	0.0	0.0	0.0	0.0	142.2	588.5	0.0	
4	0.0	0.0	0.0	0.0	0.0	6.6	20.8	60.8	75.7	208.9	453.1	568.4	809.0	272.8	753.8	436.9	548.7	306.4	87.1	11.9	0.0	0.0	0.0	0.0	192.5	809.0	0.0	
5	0.0	0.0	0.0	0.0	0.0	42.8	176.0	215.2	317.6	645.0	773.7	788.7	606.9	511.1	691.5	296.6	73.0	211.1	75.8	24.0	0.0	0.0	0.0	0.0	227.0	788.7	0.0	
6	0.0	0.0	0.0	0.0	0.0	24.0	79.2	184.1	273.9	402.0	480.8	514.7	275.1	415.7	339.2	234.6	220.3	140.0	36.6	8.0	0.0	0.0	0.0	0.0	151.2	514.7	0.0	
7	0.0	0.0	0.0	0.0	0.0	11.3	41.5	120.5	116.1	176.2	245.5	311.6	354.8	290.8	279.8	215.3	113.1	136.0	94.6	11.6	0.0	0.0	0.0	0.0	104.9	354.8	0.0	
8	0.0	0.0	0.0	0.0	0.4	17.1	1172.9	389.0	576.3	677.9	872.0	795.8	945.0	928.0	745.2	589.1	496.3	323.1	147.0	18.4	0.0	0.0	0.0	0.0	320.6	945.0	0.0	
9	0.0	0.0	0.0	0.0	0.6	25.2	53.0	154.2	213.6	336.9	323.2	314.6	427.2	432.5	193.0	338.2	255.1	135.4	80.4	12.9	0.0	0.0	0.0	0.0	137.3	432.5	0.0	
10	0.0	0.0	0.0	0.0	0.2	34.6	235.8	401.0	350.2	266.0	229.4	410.9	508.4	454.0	459.5	282.4	175.2	173.9	69.5	9.6	0.0	0.0	0.0	0.0	169.2	508.4	0.0	
11	0.0	0.0	0.0	0.0	0.0	8.2	70.5	121.5	146.5	214.4	341.7	532.3	386.7	262.4	239.8	276.0	254.8	167.6	96.9	9.6	0.0	0.0	0.0	0.0	130.4	532.3	0.0	
12	0.0	0.0	0.0	0.0	0.0	1.3	77.8	239.4	421.6	605.2	825.0	657.7	1014	806.0	684.1	665.9	365.5	552.0	354.5	174.3	26.0	0.0	0.0	0.0	0.0	311.3	1014	0.0
13	0.0	0.0	0.0	0.0	0.0	1.6	75.3	227.7	379.8	613.0	759.9	727.1	547.9	486.0	699.5	834.0	459.0	157.6	292.2	162.1	21.5	0.0	0.0	0.0	0.0	268.5	834.0	0.0
14	0.0	0.0	0.0	0.0	0.0	1.5	34.3	189.9	415.5	561.7	721.6	776.8	386.4	448.0	393.0	501.1	308.4	303.8	171.3	91.0	21.5	0.0	0.0	0.0	0.0	221.9	776.8	0.0
15	0.0	0.0	0.0	0.0	0.0	1.6	69.0	218.4	381.9	548.8	736.1	729.7	408.8	661.3	825.0	505.0	414.5	364.9	174.9	188.4	18.9	0.0	0.0	0.0	0.0	260.3	825.0	0.0
16	0.0	0.0	0.0	0.0	1.8	23.3	72.9	225.8	407.6	385.8	499.4	525.6	593.0	484.3	177.2	306.8	272.7	169.2	65.2	8.4	0.0	0.0	0.0	0.0	175.8	593.0	0.0	
17	0.0	0.0	0.0	0.0	0.9	15.5	51.6	111.8	206.8	407.3	892.0	507.7	724.5	606.2	434.8	308.6	304.0	167.9	64.3	2.1	0.0	0.0	0.0	0.0	200.3	892.0	0.0	
18	0.0	0.0	0.0	0.0	1.7	45.5	147.5	170.7	125.8	247.1	505.9	187.1	199.5	54.4	170.1	351.9	336.4	174.7	121.7	34.2	0.0	0.0	0.0	0.0	119.8	505.9	0.0	
19	0.0	0.0	0.0	0.0	0.1	10.9	53.0	147.0	150.6	165.8	221.3	790.3	992.0	819.0	329.7	751.3	410.7	291.8	150.6	19.3	0.2	0.0	0.0	0.0	0.0	221.0	992.0	0.0
20	0.0	0.0	0.0	0.0	2.8	94.4	259.2	432.0	617.6	683.1	920.0	926.0	1028	908.0	911.0	463.4	96.5	72.7	192.1	27.7	0.1	0.0	0.0	0.0	0.0	318.1	1028	0.0
21	0.0	0.0	0.0	0.0	3.1	90.7	259.0	436.6	612.0	765.9	888.0	968.0	986.0	934.0	659.9	679.5	520.0	416.3	197.6	39.5	0.2	0.0	0.0	0.0	0.0	352.3	986.0	0.0
22	0.0	0.0	0.0	0.0	3.7	83.5	248.1	428.7	604.7	754.9	819.0	956.0	785.4	521.4	646.4	646.7	579.3	374.7	196.7	42.4	0.2	0.0	0.0	0.0	0.0	320.5	956.0	0.0
23	0.0	0.0	0.0	0.0	3.6	79.9	245.1	426.4	603.6	741.1	878.0	963.0	1046	565.9	920.0	658.9	485.3	209.7	27.8	24.6	0.1	0.0	0.0	0.0	0.0	328.3	1046	0.0
24	0.0	0.0	0.0	0.0	2.6	35.5	129.5	248.8	165.8	669.2	770.7	564.4	332.2	350.1	547.9	498.9	491.8	244.9	80.8	20.7	0.5	0.0	0.0	0.0	0.0	214.8	770.7	0.0
25	0.0	0.0	0.0	0.0	2.5	58.8	230.5	411.9	454.7	695.6	844.0	829.0	795.4	932.0	821.0	568.8	531.2	330.5	190.8	25.3	0.1	0.0	0.0	0.0	0.0	321.8	932.0	0.0
26	0.0	0.0	0.0	0.0	5.0	100.9	215.7	437.0	614.2	788.9	525.5	453.7	935.0	813.0	516.6	462.9	349.1	273.5	61.0	12.8	0.1	0.0	0.0	0.0	0.0	273.5	935.0	0.0
27	0.0	0.0	0.0	0.0	4.1	101.0	271.7	429.5	569.2	453.7	785.7	712.2	630.2	408.9	676.4	774.3	366.3	58.1	17.7	6.5	0.3	0.0	0.0	0.0	0.0	261.1	785.7	0.0
28	0.0	0.0	0.0	0.0	8.4	113.9	244.2	429.3	580.1	755.8	700.4	819.0	956.0	905.0	742.3	383.0	187.2	233.9	160.7	39.5	0.7	0.0	0.0	0.0	0.0	302.5	956.0	0.0
29	0.0	0.0	0.0	0.0	0.5	38.4	105.7	157.2	246.4	400.8	837.0	898.0	741.8	963.0	859.0	732.0	568.3	393.6	228.7	63.0	1.8	0.0	0.0	0.0	0.0	301.5	963.0	0.0
30	0.0	0.0	0.0	0.0	4.0	81.4	253.5	438.1	609.6	760.5	894.0	852.0	668.6	581.3	428.7	628.2	422.4	317.9	174.0	35.3	0.4	0.0	0.0	0.0	0.0	297.9	894.0	0.0
31	0.0	0.0	0.0	0.0	4.1	84.3	133.7	236.5	401.9	155.1	93.5	586.4	581.4	888.0	590.6	589.5	49.7	28.9	80.4	59.5	0.7	0.0	0.0	0.0	0.0	190.2	888.0	0.0
Avg	0.0	0.0	0.0	0.0	1.8	50.5	165.5	299.2	408.5	531.4	631.2	653.3	680.8	615.6	561.8	471.5	342.9	229.2	116.5	22.3	0.2	0.0	0.0	0.0	0.0	240.9	801.7	0.0
Max	0.0	0.0	0.0	0.0	8.4	113.9	271.7	438.1	617.6	825.0	920.0	1014	1046	963.0	920.0	774.3	579.3	416.3	228.7	63.0	1.8	0.0	0.0	0.0	0.0	352.3	1046	0.0
Min	0.0	0.0	0.0	0.0	0.0	5.5	20.8	60.8	75.7	155.1	93.5	187.1	199.5	54.4	170.1	215.3	49.7	28.9	17.7	2.1	0.0	0.0	0.0	0.0	104.9	354.8	0.0	

A-20

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m²)
June 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	0.0	0.0	8.2	56.9	155.3	377.8	572.1	549.0	548.4	234.7	191.5	124.5	81.5	38.1	363.2	389.1	216.2	48.0	1.5	0.0	0.0	0.0	164.8	572.1	0.0
2	0.0	0.0	0.0	0.0	6.3	118.3	273.0	445.8	616.2	769.7	810.0	857.0	775.0	440.1	573.3	575.1	399.1	339.1	256.3	71.1	1.2	0.0	0.0	0.0	305.3	857.0	0.0
3	0.0	0.0	0.0	0.0	4.2	37.1	150.1	318.2	438.5	587.7	778.5	832.0	678.6	842.0	888.0	535.6	447.9	310.0	220.2	65.3	1.0	0.0	0.0	0.0	297.3	888.0	0.0
4	0.0	0.0	0.0	0.0	6.5	103.1	264.0	328.2	455.5	663.8	779.3	755.9	740.0	709.2	673.3	712.7	654.1	437.1	224.4	66.1	1.5	0.0	0.0	0.0	315.6	779.3	0.0
5	0.0	0.0	0.0	0.0	5.6	103.6	268.9	448.7	619.8	773.7	890.0	969.0	928.0	860.0	809.0	734.5	575.1	429.9	185.3	92.1	2.0	0.0	0.0	0.0	362.3	969.0	0.0
6	0.0	0.0	0.0	0.0	0.5	15.0	33.5	53.1	125.8	244.2	293.5	647.9	493.3	641.3	873.0	770.6	572.0	369.9	82.1	57.8	1.8	0.0	0.0	0.0	219.8	873.0	0.0
7	0.0	0.0	0.0	0.0	6.9	85.8	214.6	431.6	376.7	772.3	839.0	516.4	485.6	516.0	559.8	466.7	252.2	189.5	107.0	85.1	1.8	0.0	0.0	0.0	246.1	839.0	0.0
8	0.0	0.0	0.0	0.0	2.5	36.1	103.1	280.6	547.3	737.1	856.0	747.2	639.7	770.7	636.0	387.1	327.0	319.3	171.2	59.3	1.9	0.0	0.0	0.0	275.9	856.0	0.0
9	0.0	0.0	0.0	0.0	6.2	112.5	275.0	413.7	598.0	504.3	885.0	949.0	625.6	591.4	534.4	390.1	465.5	320.2	165.1	39.6	1.1	0.0	0.0	0.0	286.5	949.0	0.0
10	0.0	0.0	0.0	0.0	7.2	110.5	281.1	461.1	634.2	722.5	894.0	984.0	883.0	799.9	673.3	580.4	419.7	378.5	82.8	46.7	1.8	0.0	0.0	0.0	331.7	984.0	0.0
11	0.0	0.0	0.0	0.0	7.4	115.3	208.3	444.2	290.0	515.9	429.3	448.9	765.5	895.0	923.0	710.2	463.0	421.2	225.7	84.5	2.0	0.0	0.0	0.0	289.6	923.0	0.0
12	0.0	0.0	0.0	0.0	11.5	89.4	230.7	406.1	563.8	693.0	846.0	831.0	670.1	626.5	501.3	342.6	313.1	100.3	33.3	39.6	2.5	0.0	0.0	0.0	262.5	846.0	0.0
13	0.0	0.0	0.0	0.0	7.1	90.0	88.1	190.1	85.1	142.8	779.7	750.5	438.4	768.3	715.2	520.2	224.5	91.7	15.0	1.8	0.0	0.0	0.0	0.0	204.5	779.7	0.0
14	0.0	0.0	0.0	0.0	2.6	14.6	124.3	166.7	375.6	282.9	265.6	184.9	246.4	259.8	214.1	154.9	60.5	72.8	54.3	13.5	0.6	0.0	0.0	0.0	103.9	375.6	0.0
15	0.0	0.0	0.0	0.0	5.6	117.6	218.5	245.0	406.7	662.5	592.2	763.8	734.2	593.7	735.7	708.8	394.2	132.8	147.4	48.9	1.4	0.0	0.0	0.0	271.2	763.8	0.0
16	0.0	0.0	0.0	0.0	1.3	31.9	100.4	338.2	551.4	712.1	716.3	707.9	361.4	65.1	357.0	483.2	91.1	69.4	65.7	18.7	0.3	0.0	0.0	0.0	194.6	716.3	0.0
17	0.0	0.0	0.0	0.0	0.3	13.3	32.9	57.1	121.5	240.0	742.6	912.0	919.0	928.0	726.0	645.8	408.1	310.9	190.1	118.1	5.0	0.0	0.0	0.0	265.4	928.0	0.0
18	0.0	0.0	0.0	0.0	1.5	18.5	68.2	96.0	171.6	329.0	401.9	255.4	282.1	177.3	212.2	144.9	73.1	49.1	39.8	15.4	2.0	0.0	0.0	0.0	97.4	401.9	0.0
19	0.0	0.0	0.0	0.0	0.6	14.5	15.0	35.1	106.3	188.4	95.5	66.3	248.8	192.9	157.7	436.7	537.0	111.2	63.2	34.9	2.6	0.0	0.0	0.0	96.1	537.0	0.0
20	0.0	0.0	0.0	0.0	13.2	86.5	287.8	467.8	628.3	793.8	862.0	948.0	901.0	112.3	91.3	650.8	533.8	220.0	3.6	1.9	0.0	0.0	0.0	0.0	275.1	948.0	0.0
21	0.0	0.0	0.0	0.0	8.4	67.3	259.7	445.8	632.1	759.8	892.0	961.0	979.0	943.0	875.0	755.0	587.0	446.0	233.5	57.6	3.7	0.0	0.0	0.0	371.1	979.0	0.0
22	0.0	0.0	0.0	0.0	7.3	135.1	191.1	336.2	505.8	620.9	674.1	778.9	131.3	38.1	46.3	116.8	162.3	195.1	90.7	56.6	5.0	0.0	0.0	0.0	170.5	778.9	0.0
23	0.0	0.0	0.0	0.0	5.7	28.3	124.8	435.9	603.5	799.7	815.0	373.2	417.5	427.6	117.4	546.4	520.5	421.7	246.5	78.3	3.7	0.0	0.0	0.0	248.6	815.0	0.0
24	0.0	0.0	0.0	0.0	8.2	112.4	265.3	439.4	Au	Au	Au	927.0	916.0	880.0	519.5	174.6	25.4	61.4	119.8	48.2	1.1	0.0	0.0	0.0	214.2	927.0	0.0
25	0.0	0.0	0.0	0.0	3.9	66.9	171.2	264.1	496.4	673.7	759.7	943.0	765.9	807.0	704.6	588.5	331.5	207.7	62.4	24.9	2.2	0.0	0.0	0.0	286.4	943.0	0.0
26	0.0	0.0	0.0	0.0	5.5	14.9	95.5	96.8	132.2	193.0	311.3	408.2	650.6	774.4	161.4	34.4	204.6	172.3	51.7	47.6	3.3	0.0	0.0	0.0	139.9	774.4	0.0
27	0.0	0.0	0.0	0.0	3.2	23.7	134.2	221.1	400.7	649.9	328.1	340.2	460.3	450.9	731.6	555.1	457.4	67.4	69.5	0.4	0.4	0.0	0.0	0.0	203.9	731.6	0.0
28	0.0	0.0	0.0	0.0	3.2	39.9	171.4	219.1	412.5	347.9	742.1	676.8	816.0	519.4	589.9	555.2	507.4	284.5	225.7	53.1	4.0	0.0	0.0	0.0	257.0	816.0	0.0
29	0.0	0.0	0.0	0.0	5.8	111.2	272.2	349.0	452.8	354.9	302.9	539.8	963.0	1000	826.0	640.3	477.8	387.1	191.7	33.9	3.6	0.0	0.0	0.0	288.0	1000	0.0
30	0.0	0.0	0.0	0.0	3.1	42.8	103.3	153.6	149.3	286.6	95.9	146.0	253.7	327.4	862.0	564.3	369.2	285.7	215.0	70.9	3.3	0.0	0.0	0.0	163.8	862.0	0.0
Avg	0.0	0.0	0.0	0.0	5.3	67.1	172.7	298.9	416.2	536.9	628.5	648.5	612.0	569.4	545.6	484.0	373.9	253.0	135.2	49.3	2.1	0.0	0.0	0.0	240.3	813.8	0.0
Max	0.0	0.0	0.0	0.0	13.2	135.1	287.8	467.8	634.2	799.7	894.0	984.0	979.0	1000	923.0	770.6	654.1	446.0	256.3	118.1	5.0	0.0	0.0	0.0	371.1	1000	0.0
Min	0.0	0.0	0.0	0.0	0.3	13.3	15.0	35.1	85.1	142.8	95.5	66.3	131.3	38.1	46.3	34.4	25.4	49.1	3.6	0.4	0.0	0.0	0.0	96.1	375.6	0.0	

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Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
April 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	24.20	24.19	24.18	24.18	24.17	24.16	24.16	24.15	24.15	24.15	24.16	24.16	24.14	24.13	24.13	24.13	24.14	24.15	24.15	24.15	24.15	24.15	24.15	24.15	24.16	24.20	24.13		
2	24.14	24.13	24.13	24.12	24.12	24.13	24.13	24.13	24.13	24.14	24.15	24.14	24.13	24.12	24.12	24.13	24.15	24.17	24.18	24.20	24.22	24.24	24.26	24.27	24.16	24.27	24.12		
3	24.29	24.29	24.30	24.31	24.32	24.33	24.35	24.35	24.36	24.36	24.38	24.37	24.36	24.36	24.35	24.34	24.34	24.33	24.32	24.31	24.31	24.30	24.30	24.30	24.33	24.38	24.29		
4	24.29	24.29	24.27	24.26	24.24	24.23	24.24	24.24	24.24	24.23	24.22	24.20	24.18	24.18	24.17	24.17	24.17	24.17	24.18	24.20	24.20	24.20	24.21	24.22	24.29	24.17			
5	24.21	24.21	24.21	24.21	24.22	24.23	24.24	24.25	24.26	24.26	24.26	24.26	24.26	24.26	24.26	24.25	24.25	24.25	24.26	24.26	24.27	24.28	24.27	24.27	24.27	24.25	24.28	24.21	
6	24.26	24.25	24.26	24.25	24.25	24.25	24.26	24.26	24.26	24.26	24.26	24.26	24.27	24.27	24.27	24.28	24.30	24.31	24.34	24.36	24.38	24.41	24.43	24.45	24.46	24.31	24.46	24.25	
7	24.47	24.47	24.48	24.49	24.50	24.51	24.52	24.52	24.52	24.51	24.51	24.51	24.51	24.51	24.51	24.50	24.50	24.50	24.51	24.52	24.52	24.53	24.53	24.53	24.52	24.51	24.53	24.47	
8	24.51	24.50	24.49	24.49	24.49	24.50	24.50	24.50	24.49	24.49	24.49	24.49	24.47	24.46	24.43	24.41	24.39	24.38	24.37	24.36	24.36	24.35	24.33	24.32	24.44	24.51	24.32		
9	24.31	24.30	24.28	24.27	24.25	24.25	24.26	24.25	24.26	24.26	24.27	24.28	24.28	24.28	24.28	24.28	24.29	24.29	24.31	24.33	24.35	24.35	24.35	24.35	24.29	24.35	24.25		
10	24.36	24.35	24.35	24.34	24.34	24.35	24.36	24.36	24.36	24.36	24.35	24.35	24.35	24.35	24.34	24.34	24.36	24.36	24.37	24.38	24.38	24.37	24.36	24.36	24.36	24.38	24.34		
11	24.35	24.34	24.33	24.32	24.32	24.31	24.30	24.29	24.28	24.28	24.27	24.25	24.22	24.22	24.21	24.20	24.19	24.19	24.20	24.21	24.23	24.23	24.24	24.24	24.26	24.35	24.19		
12	24.24	24.24	24.24	24.25	24.24	24.24	24.25	24.26	24.26	24.27	24.28	24.29	24.29	24.30	24.31	24.32	24.33	24.35	24.37	24.38	24.39	24.41	24.42	24.44	24.31	24.44	24.24		
13	24.45	24.45	24.45	24.46	24.48	24.50	24.51	24.51	24.53	24.54	24.55	24.55	24.56	24.57	24.57	24.57	24.57	24.57	24.57	24.57	24.58	24.60	24.61	24.61	24.54	24.61	24.45		
14	24.60	24.59	24.58	24.57	24.56	24.56	24.57	24.55	24.54	24.52	24.50	24.48	24.46	24.45	24.43	24.40	24.38	24.36	24.34	24.33	24.33	24.29	24.28	24.46	24.60	24.28			
15	24.26	24.25	24.23	24.22	24.20	24.19	24.19	24.18	24.17	24.16	24.15	24.14	24.11	24.11	24.13	24.13	24.14	24.16	24.17	24.19	24.21	24.22	24.23	24.24	24.18	24.26	24.11		
16	24.25	24.26	24.27	24.27	24.28	24.30	24.31	24.31	24.32	24.33	24.34	24.34	24.35	24.35	24.35	24.35	24.35	24.35	24.35	24.35	24.35	24.35	24.35	24.35	24.32	24.35	24.25		
17	24.34	24.33	24.32	24.32	24.32	24.31	24.31	24.32	24.32	24.32	24.31	24.31	24.29	24.29	24.26	24.24	24.22	24.22	24.20	24.19	24.20	24.19	24.16	24.15	24.27	24.34	24.15		
18	24.14	24.13	24.12	24.16	24.16	24.15	24.15	24.15	24.15	24.16	24.16	24.16	24.15	24.14	24.19	24.21	24.19	24.21	24.21	24.22	24.24	24.25	24.29	24.30	24.30	24.32	24.32	24.12	
19	24.31	24.31	24.32	24.34	24.34	24.35	24.35	24.36	24.36	24.36	24.35	24.34	24.34	24.33	24.31	24.30	24.29	24.28	24.28	24.29	24.28	24.28	24.28	24.32	24.36	24.27			
20	24.28	24.31	24.35	24.38	24.40	24.42	24.44	24.46	24.48	24.48	24.49	24.50	24.50	24.50	24.51	24.51	24.53	24.54	24.54	24.55	24.56	24.56	24.56	24.47	24.56	24.28			
21	24.57	24.57	24.57	24.58	24.59	24.59	24.59	24.60	24.59	24.57	24.56	24.55	24.53	24.50	24.48	24.45	24.44	24.42	24.39	24.37	24.37	24.36	24.34	24.32	24.50	24.60	24.32		
22	24.32	24.30	24.27	24.25	24.23	24.21	24.20	24.20	24.18	24.15	24.12	24.09	24.05	24.01	23.97	23.96	23.99	23.99	23.98	23.98	24.00	23.99	24.00	24.10	24.32	23.96			
23	24.01	24.03	24.03	24.04	24.06	24.07	24.09	24.11	24.12	24.13	24.14	24.15	24.15	24.14	24.14	24.15	24.16	24.17	24.18	24.19	24.20	24.21	24.20	24.21	24.13	24.21	24.01		
24	24.21	24.22	24.22	24.23	24.23	24.23	24.24	24.23	24.23	24.22	24.22	24.21	24.20	24.20	24.21	24.21	24.21	24.22	24.22	24.23	24.23	24.22	24.22	24.22	24.22	24.24	24.20		
25	24.22	24.21	24.20	24.20	24.19	24.19	24.20	24.20	24.20	24.19	24.19	24.18	24.16	24.15	24.13	24.11	24.09	24.09	24.08	24.08	24.08	24.06	24.04	24.03	24.14	24.22	24.03		
26	24.00	23.98	23.97	23.96	23.96	23.96	23.96	23.97	23.97	23.97	23.97	23.97	23.98	23.98	23.97	23.97	23.99	24.00	24.02	24.03	24.03	24.03	24.03	23.99	24.03	23.96			
27	24.04	24.04	24.04	24.05	24.07	24.08	24.09	24.09	24.09	24.09	24.09	24.09	24.08	24.08	24.08	24.09	24.09	24.10	24.11	24.12	24.13	24.15	24.15	24.16	24.09	24.16	24.04		
28	24.17	24.18	24.20	24.21	24.23	24.25	24.28	24.30	24.31	24.33	24.35	24.36	24.38	24.40	24.43	24.46	24.48	24.51	24.53	24.55	24.57	24.59	24.61	24.63	24.39	24.63	24.17		
29	24.64	24.66	24.67	24.68	24.70	24.72	24.75	24.77	24.79	24.80	24.80	24.81	24.81	24.81	24.81	24.81	24.81	24.81	24.81	24.81	24.81	24.82	24.82	24.82	24.77	24.82	24.64		
30	24.83	24.84	24.83	24.84	24.84	24.83	24.83	24.84	24.84	24.84	24.82	24.82	24.80	24.79	24.77	24.76	24.75	24.74	24.74	24.73	24.72	24.71	24.71	24.71	24.70	24.69	24.78	24.84	24.69
Avg	24.31	24.31	24.31	24.31	24.31	24.31	24.32	24.32	24.33	24.33	24.33	24.32	24.31	24.31	24.31	24.31	24.31	24.31	24.31	24.31	24.32	24.33	24.33	24.33	24.31	24.40	24.23		
Max	24.83	24.84	24.83	24.84	24.84	24.83	24.83	24.84	24.84	24.84	24.82	24.82	24.81	24.81	24.81	24.81	24.81	24.81	24.81	24.81	24.81	24.81	24.82	24.82	24.82	24.78	24.84	24.69	
Min	24.00	23.98	23.97	23.96	23.96	23.96	23.96	23.96	23.97	23.98	23.97	23.97	23.97	23.97	23.98	23.98	23.97	23.99	23.99	23.99	23.98	23.98	24.00	23.99	24.03	23.96			

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Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
May 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	24.68	24.66	24.64	24.65	24.65	24.64	24.64	24.65	24.63	24.61	24.60	24.58	24.56	24.55	24.54	24.52	24.51	24.50	24.48	24.48	24.48	24.48	24.47	24.46	24.57	24.68	24.46	
2	24.45	24.43	24.41	24.41	24.40	24.40	24.41	24.41	24.40	24.40	24.40	24.39	24.38	24.38	24.37	24.35	24.34	24.34	24.33	24.35	24.35	24.35	24.35	24.33	24.38	24.45	24.33	
3	24.33	24.32	24.31	24.32	24.33	24.33	24.32	24.32	24.32	24.31	24.31	24.30	24.29	24.28	24.27	24.25	24.26	24.26	24.25	24.25	24.26	24.27	24.26	24.26	24.29	24.33	24.25	
4	24.24	24.24	24.23	24.23	24.20	24.19	24.17	24.18	24.18	24.20	24.22	24.23	24.23	24.22	24.24	24.24	24.23	24.23	24.22	24.22	24.23	24.25	24.27	24.27	24.22	24.27	24.17	
5	24.26	24.26	24.26	24.25	24.25	24.26	24.26	24.26	24.26	24.25	24.24	24.23	24.22	24.23	24.21	24.20	24.22	24.22	24.22	24.23	24.24	24.25	24.24	24.24	24.24	24.24	24.20	
6	24.23	24.22	24.22	24.22	24.21	24.22	24.22	24.22	24.22	24.21	24.21	24.20	24.20	24.21	24.23	24.24	24.24	24.26	24.27	24.28	24.30	24.30	24.30	24.24	24.30	24.20		
7	24.29	24.28	24.28	24.28	24.28	24.28	24.28	24.29	24.29	24.29	24.30	24.29	24.29	24.28	24.28	24.27	24.27	24.28	24.29	24.29	24.29	24.30	24.30	24.30	24.29	24.30	24.27	
8	24.30	24.30	24.30	24.31	24.31	24.31	24.31	24.31	24.32	24.31	24.30	24.29	24.27	24.26	24.25	24.23	24.22	24.21	24.20	24.19	24.18	24.18	24.17	24.16	24.25	24.32	24.16	
9	24.14	24.13	24.12	24.12	24.10	24.10	24.10	24.11	24.12	24.12	24.13	24.12	24.13	24.13	24.14	24.15	24.16	24.17	24.18	24.20	24.21	24.22	24.21	24.14	24.22	24.10		
10	24.22	24.22	24.21	24.22	24.23	24.23	24.24	24.25	24.24	24.25	24.25	24.25	24.25	24.27	24.27	24.27	24.29	24.30	24.33	24.35	24.37	24.40	24.43	24.43	24.29	24.44	24.21	
11	24.44	24.44	24.45	24.47	24.49	24.50	24.51	24.53	24.54	24.55	24.55	24.56	24.56	24.57	24.57	24.58	24.59	24.60	24.61	24.62	24.63	24.64	24.65	24.65	24.55	24.65	24.44	
12	24.65	24.65	24.66	24.67	24.69	24.70	24.71	24.73	24.73	24.72	24.71	24.71	24.70	24.70	24.70	24.70	24.71	24.71	24.72	24.72	24.72	24.73	24.73	24.70	24.73	24.65		
13	24.73	24.73	24.74	24.74	24.75	24.75	24.75	24.76	24.77	24.77	24.76	24.75	24.75	24.75	24.74	24.74	24.73	24.72	24.71	24.71	24.71	24.72	24.72	24.73	24.73	24.74	24.77	
14	24.73	24.73	24.73	24.73	24.73	24.72	24.72	24.73	24.73	24.73	24.71	24.71	24.70	24.69	24.68	24.67	24.66	24.65	24.64	24.63	24.63	24.63	24.63	24.63	24.68	24.73	24.63	
15	24.61	24.61	24.60	24.59	24.58	24.59	24.60	24.60	24.59	24.59	24.57	24.57	24.55	24.54	24.52	24.51	24.50	24.49	24.47	24.47	24.46	24.50	24.53	24.55	24.56	24.55	24.61	
16	24.56	24.56	24.55	24.55	24.55	24.56	24.56	24.57	24.56	24.55	24.54	24.52	24.50	24.48	24.48	24.49	24.47	24.45	24.45	24.45	24.46	24.45	24.45	24.45	24.51	24.57	24.44	
17	24.44	24.43	24.42	24.41	24.41	24.41	24.41	24.40	24.40	24.39	24.38	24.36	24.34	24.32	24.31	24.29	24.28	24.26	24.24	24.25	24.28	24.28	24.27	24.34	24.44	24.24		
18	24.25	24.25	24.24	24.24	24.23	24.22	24.20	24.21	24.19	24.18	24.18	24.17	24.15	24.14	24.16	24.15	24.15	24.16	24.16	24.16	24.17	24.18	24.19	24.20	24.19	24.25	24.14	
19	24.20	24.20	24.21	24.22	24.23	24.24	24.25	24.26	24.26	24.26	24.27	24.27	24.27	24.27	24.28	24.28	24.28	24.29	24.30	24.32	24.34	24.36	24.37	24.38	24.38	24.28	24.38	24.20
20	24.38	24.38	24.38	24.38	24.40	24.41	24.44	24.44	24.44	24.44	24.43	24.42	24.42	24.41	24.41	24.41	24.42	24.44	24.44	24.45	24.46	24.47	24.46	24.46	24.42	24.47	24.38	
21	24.46	24.46	24.45	24.46	24.46	24.48	24.49	24.48	24.48	24.47	24.47	24.47	24.45	24.45	24.44	24.44	24.43	24.42	24.43	24.44	24.47	24.48	24.49	24.49	24.46	24.49	24.42	
22	24.49	24.50	24.50	24.50	24.51	24.52	24.54	24.54	24.53	24.53	24.52	24.51	24.51	24.51	24.50	24.49	24.49	24.48	24.48	24.49	24.50	24.51	24.51	24.51	24.54	24.48		
23	24.52	24.52	24.52	24.52	24.51	24.52	24.52	24.51	24.49	24.48	24.47	24.46	24.45	24.43	24.41	24.39	24.38	24.36	24.36	24.37	24.38	24.40	24.41	24.41	24.45	24.52	24.36	
24	24.40	24.40	24.39	24.40	24.41	24.41	24.42	24.43	24.43	24.43	24.42	24.41	24.40	24.41	24.40	24.39	24.40	24.41	24.42	24.45	24.46	24.45	24.47	24.42	24.47	24.39		
25	24.47	24.47	24.47	24.48	24.48	24.48	24.50	24.50	24.49	24.48	24.48	24.47	24.46	24.44	24.42	24.40	24.39	24.38	24.38	24.38	24.39	24.40	24.40	24.40	24.44	24.50	24.38	
26	24.40	24.40	24.40	24.40	24.40	24.41	24.42	24.42	24.42	24.41	24.41	24.41	24.39	24.38	24.38	24.38	24.38	24.38	24.39	24.42	24.44	24.46	24.47	24.48	24.41	24.48	24.38	
27	24.48	24.49	24.50	24.51	24.51	24.52	24.53	24.53	24.52	24.51	24.50	24.48	24.48	24.47	24.46	24.46	24.43	24.42	24.41	24.44	24.45	24.43	24.44	24.44	24.47	24.53	24.41	
28	24.39	24.38	24.38	24.37	24.37	24.37	24.36	24.35	24.35	24.34	24.33	24.32	24.30	24.29	24.29	24.27	24.25	24.25	24.24	24.25	24.27	24.30	24.32	24.34	24.32	24.39	24.24	
29	24.37	24.37	24.38	24.40	24.41	24.43	24.45	24.47	24.47	24.47	24.48	24.48	24.48	24.49	24.49	24.49	24.50	24.49	24.49	24.50	24.50	24.51	24.53	24.54	24.54	24.47	24.54	24.37
30	24.53	24.53	24.54	24.54	24.54	24.54	24.56	24.56	24.55	24.54	24.53	24.52	24.50	24.49	24.48	24.48	24.46	24.46	24.45	24.44	24.44	24.45	24.46	24.46	24.45	24.50	24.56	24.44
31	24.43	24.42	24.40	24.40	24.40	24.40	24.40	24.40	24.40	24.40	24.40	24.40	24.39	24.37	24.36	24.36	24.34	24.38	24.41	24.39	24.40	24.40	24.41	24.41	24.41	24.40	24.43	24.34
Avg	24.42	24.42	24.42	24.42	24.42	24.42	24.43	24.43	24.43	24.42	24.42	24.41	24.40	24.40	24.39	24.39	24.39	24.39	24.39	24.39	24.40	24.41	24.42	24.42	24.42	24.41	24.47	24.35
Max	24.73	24.73	24.74	24.74	24.75	24.75	24.76	24.77	24.77	24.76	24.75	24.75	24.75	24.75	24.75	24.75	24.75	24.75	24.75	24.75	24.75	24.75	24.75	24.74	24.77	24.71		
Min	24.14	24.13	24.12	24.12	24.10	24.10	24.10	24.11	24.12	24.12	24.12	24.13	24.12	24.13	24.13	24.14	24.15	24.16	24.16	24.16	24.17	24.18	24.18	24.17	24.16	24.14	24.22	24.10

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Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
June 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	24.42	24.43	24.43	24.43	24.43	24.43	24.43	24.44	24.45	24.47	24.48	24.46	24.46	24.47	24.47	24.48	24.47	24.47	24.47	24.44	24.48	24.40
2	24.46	24.46	24.46	24.45	24.45	24.46	24.47	24.47	24.47	24.46	24.45	24.44	24.42	24.41	24.41	24.39	24.38	24.37	24.37	24.36	24.37	24.38	24.36	24.35	24.42	24.47	24.35	
3	24.34	24.33	24.32	24.30	24.29	24.29	24.28	24.28	24.28	24.28	24.28	24.28	24.29	24.29	24.29	24.29	24.30	24.31	24.34	24.35	24.37	24.39	24.39	24.31	24.39	24.28		
4	24.39	24.38	24.39	24.39	24.39	24.39	24.40	24.41	24.42	24.42	24.41	24.41	24.41	24.41	24.41	24.40	24.40	24.39	24.39	24.40	24.40	24.40	24.40	24.40	24.40	24.40		
5	24.39	24.39	24.39	24.39	24.38	24.39	24.40	24.40	24.40	24.39	24.39	24.39	24.39	24.39	24.39	24.40	24.41	24.43	24.45	24.45	24.48	24.48	24.48	24.41	24.48	24.38		
6	24.47	24.46	24.47	24.47	24.47	24.47	24.48	24.48	24.48	24.49	24.49	24.49	24.49	24.48	24.47	24.47	24.47	24.47	24.49	24.51	24.52	24.53	24.53	24.52	24.49	24.53	24.46	
7	24.52	24.52	24.52	24.51	24.51	24.51	24.51	24.51	24.51	24.50	24.49	24.48	24.49	24.48	24.48	24.48	24.49	24.49	24.50	24.51	24.52	24.52	24.52	24.50	24.52	24.48		
8	24.52	24.52	24.52	24.52	24.53	24.53	24.55	24.56	24.56	24.55	24.54	24.54	24.53	24.52	24.51	24.50	24.50	24.49	24.49	24.48	24.49	24.48	24.47	24.52	24.56	24.47		
9	24.46	24.45	24.44	24.43	24.42	24.42	24.42	24.41	24.40	24.39	24.37	24.35	24.34	24.33	24.33	24.33	24.33	24.34	24.35	24.35	24.36	24.35	24.36	24.38	24.46	24.33		
10	24.36	24.37	24.36	24.37	24.36	24.37	24.37	24.36	24.35	24.34	24.32	24.31	24.31	24.30	24.29	24.29	24.28	24.28	24.30	24.32	24.33	24.36	24.38	24.39	24.34	24.39	24.28	
11	24.40	24.40	24.41	24.41	24.41	24.43	24.45	24.46	24.46	24.47	24.48	24.49	24.49	24.49	24.49	24.50	24.50	24.51	24.52	24.53	24.52	24.53	24.51	24.47	24.53	24.40		
12	24.50	24.50	24.49	24.47	24.47	24.46	24.46	24.45	24.44	24.43	24.41	24.40	24.38	24.36	24.34	24.33	24.30	24.28	24.28	24.27	24.24	24.21	24.20	24.19	24.37	24.50	24.19	
13	24.19	24.17	24.19	24.18	24.19	24.18	24.19	24.21	24.20	24.20	24.21	24.18	24.21	24.22	24.21	24.21	24.21	24.21	24.23	24.26	24.29	24.30	24.30	24.28	24.22	24.30	24.17	
14	24.27	24.27	24.28	24.27	24.27	24.28	24.28	24.27	24.26	24.26	24.27	24.27	24.28	24.29	24.29	24.29	24.30	24.31	24.31	24.30	24.31	24.32	24.31	24.31	24.29	24.32	24.26	
15	24.30	24.29	24.29	24.28	24.28	24.28	24.29	24.28	24.27	24.27	24.26	24.25	24.24	24.24	24.23	24.21	24.20	24.20	24.20	24.19	24.19	24.20	24.20	24.20	24.24	24.30	24.19	
16	24.18	24.18	24.17	24.18	24.19	24.19	24.19	24.19	24.19	24.18	24.18	24.17	24.16	24.17	24.18	24.18	24.18	24.18	24.19	24.21	24.21	24.21	24.20	24.19	24.18	24.21	24.16	
17	24.18	24.17	24.17	24.17	24.17	24.17	24.17	24.18	24.19	24.21	24.23	24.24	24.25	24.26	24.27	24.29	24.30	24.30	24.32	24.33	24.34	24.33	24.32	24.24	24.34	24.17		
18	24.33	24.33	24.32	24.30	24.30	24.31	24.31	24.32	24.32	24.31	24.30	24.29	24.30	24.30	24.30	24.31	24.33	24.33	24.33	24.33	24.32	24.32	24.31	24.31	24.33	24.29		
19	24.32	24.33	24.33	24.34	24.35	24.36	24.36	24.36	24.38	24.38	24.39	24.40	24.41	24.41	24.41	24.41	24.40	24.41	24.42	24.41	24.42	24.42	24.42	24.43	24.39	24.43	24.32	
20	24.43	24.44	24.44	24.44	24.44	24.45	24.46	24.46	24.45	24.45	24.46	24.46	24.44	24.47	24.48	24.43	24.41	24.40	24.44	24.49	24.43	24.44	24.44	24.45	24.45	24.49	24.40	
21	24.44	24.44	24.45	24.44	24.45	24.46	24.47	24.47	24.47	24.46	24.46	24.46	24.46	24.45	24.45	24.44	24.44	24.45	24.46	24.47	24.49	24.50	24.50	24.46	24.50	24.44		
22	24.50	24.50	24.50	24.50	24.51	24.52	24.52	24.53	24.53	24.52	24.52	24.52	24.53	24.54	24.54	24.56	24.55	24.55	24.56	24.56	24.56	24.57	24.57	24.57	24.54	24.57	24.50	
23	24.57	24.57	24.56	24.56	24.56	24.56	24.57	24.58	24.58	24.57	24.56	24.57	24.57	24.57	24.57	24.56	24.55	24.55	24.55	24.56	24.56	24.57	24.57	24.57	24.57	24.59	24.55	
24	24.56	24.55	24.55	24.54	24.53	24.54	24.54	24.54	24.54	Au	24.51	24.49	24.48	24.46	24.46	24.47	24.47	24.46	24.46	24.47	24.46							
25	24.46	24.44	24.44	24.43	24.43	24.44	24.45	24.45	24.45	24.44	24.43	24.42	24.42	24.41	24.40	24.39	24.38	24.37	24.37	24.38	24.38	24.39	24.38	24.37	24.41	24.46	24.37	
26	24.35	24.34	24.32	24.30	24.30	24.31	24.28	24.27	24.27	24.27	24.26	24.24	24.24	24.23	24.23	24.23	24.26	24.24	24.24	24.26	24.27	24.27	24.27	24.27	24.28	24.28	24.23	
27	24.26	24.26	24.27	24.27	24.27	24.27	24.28	24.28	24.28	24.27	24.27	24.27	24.26	24.26	24.26	24.26	24.25	24.25	24.26	24.30	24.30	24.30	24.30	24.30	24.27	24.30	24.25	
28	24.29	24.29	24.29	24.29	24.29	24.30	24.30	24.30	24.30	24.30	24.30	24.31	24.31	24.31	24.32	24.33	24.33	24.33	24.33	24.34	24.36	24.38	24.38	24.32	24.38	24.29		
29	24.38	24.39	24.38	24.38	24.38	24.39	24.39	24.39	24.39	24.39	24.40	24.41	24.40	24.40	24.39	24.39	24.40	24.40	24.40	24.42	24.44	24.45	24.46	24.47	24.40	24.47	24.38	
30	24.46	24.47	24.48	24.48	24.49	24.51	24.53	24.54	24.54	24.55	24.56	24.57	24.59	24.60	24.62	24.61	24.61	24.62	24.62	24.62	24.63	24.64	24.64	24.65	24.65	24.57	24.65	24.46
Avg	24.39	24.39	24.39	24.38	24.38	24.39	24.39	24.39	24.39	24.38	24.38	24.38	24.38	24.38	24.38	24.38	24.38	24.38	24.38	24.39	24.40	24.41	24.41	24.40	24.39	24.44	24.34	
Max	24.57	24.57	24.56	24.56	24.56	24.56	24.57	24.58	24.58	24.57	24.57	24.59	24.60	24.62	24.61	24.61	24.62	24.62	24.62	24.63	24.64	24.64	24.65	24.65	24.57	24.65	24.55	
Min	24.18	24.17	24.17	24.17	24.17	24.17	24.17	24.18	24.18	24.18	24.18	24.17	24.16	24.17	24.17	24.18	24.18	24.18	24.18	24.19	24.19	24.20	24.20	24.19	24.18	24.21	24.16	

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Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
April 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	84.6	87.1	90.9	92.5	90.9	88.2	86.9	81.9	68.8	71.2	61.5	46.5	67.3	66.3	60.8	62.6	79.5	84.9	84.4	79.7	72.9	79.0	78.4	82.1	77.0	92.5	46.5
2	85.2	88.7	88.7	89.1	88.6	86.0	86.7	84.7	80.6	71.8	61.3	65.5	65.6	59.3	57.0	68.7	66.5	72.2	74.3	79.2	82.7	85.4	93.4	93.3	78.1	93.4	57.0
3	91.0	87.8	87.6	88.1	90.6	89.5	87.7	82.0	70.8	68.5	56.6	61.4	71.3	57.3	41.8	43.3	38.0	46.7	66.3	65.3	68.8	76.6	78.1	80.9	70.7	91.0	38.0
4	80.7	80.5	79.6	73.0	70.9	70.5	72.0	72.1	67.0	54.0	49.8	45.5	42.7	43.2	51.0	54.0	63.0	78.0	76.2	77.5	86.5	91.1	89.4	86.0	68.9	91.1	42.7
5	78.4	79.3	83.7	85.4	87.6	89.2	89.4	78.2	67.6	56.2	48.1	53.8	53.4	49.9	49.0	51.9	51.4	47.2	49.9	52.9	60.3	68.2	66.6	70.9	65.4	89.4	47.2
6	72.1	73.5	73.7	73.5	73.3	71.9	71.8	70.5	71.4	70.1	64.4	59.0	52.6	49.6	59.7	70.4	66.2	63.5	85.8	67.3	60.0	59.4	60.4	65.9	66.9	85.8	49.6
7	73.4	81.0	80.3	82.7	83.6	87.1	85.8	75.2	76.3	69.8	57.6	54.9	51.0	48.7	46.6	46.0	46.0	45.3	50.3	58.8	65.5	72.3	79.5	84.2	66.7	87.1	45.3
8	87.2	89.4	89.8	92.0	92.7	94.0	92.3	89.3	84.8	80.5	77.5	65.4	54.3	43.7	39.5	37.4	37.8	37.9	39.9	51.4	63.6	58.9	69.3	67.1	68.2	94.0	37.4
9	67.3	63.6	67.1	61.8	58.1	60.6	57.1	52.8	52.9	54.3	62.2	59.8	60.0	54.1	47.4	45.1	40.9	41.7	45.7	49.7	53.0	56.2	60.5	65.4	55.7	67.3	40.9
10	71.2	77.6	77.6	80.8	82.9	84.0	80.2	63.0	48.5	45.5	43.4	39.3	37.7	36.3	36.9	35.0	37.8	38.2	39.6	49.6	63.8	69.8	75.2	78.0	58.0	84.0	35.0
11	81.1	78.9	80.0	77.9	82.2	82.0	81.0	79.4	75.3	66.2	46.4	46.2	44.7	43.9	41.5	40.2	39.2	44.6	49.5	49.2	48.1	59.6	65.1	69.6	61.3	82.2	39.2
12	76.3	78.3	79.6	87.7	93.0	92.8	92.4	90.2	79.3	79.1	82.7	74.8	68.1	72.6	71.3	68.2	72.4	72.2	72.2	69.5	71.4	79.3	78.6	77.9	78.3	93.0	68.1
13	81.7	85.2	87.1	82.3	85.1	79.3	69.3	57.5	56.2	40.0	51.2	40.9	31.1	31.2	34.2	37.8	42.5	48.2	51.2	55.6	64.8	72.6	76.4	76.4	59.9	87.1	31.1
14	77.2	77.5	83.7	86.6	87.6	87.3	81.7	71.8	57.7	44.7	38.2	36.7	35.3	34.3	33.4	31.6	30.4	31.8	33.3	39.0	47.6	57.3	61.0	65.5	55.5	87.6	30.4
15	66.9	52.4	44.7	56.5	63.0	68.1	50.1	43.3	45.8	48.1	52.4	55.7	54.0	59.2	73.6	85.5	84.0	93.6	94.1	93.4	96.5	96.4	96.8	95.1	69.5	96.8	43.3
16	91.9	91.7	92.5	88.8	90.6	91.9	89.6	87.7	71.7	65.9	68.1	66.7	76.2	74.9	65.6	63.4	69.4	72.4	76.2	87.8	91.1	89.4	90.4	90.8	81.0	92.5	63.4
17	90.3	91.1	93.9	94.6	94.7	91.7	91.3	79.0	70.4	54.9	60.3	70.0	78.2	67.8	50.3	48.5	47.2	60.6	67.5	79.3	76.5	76.0	79.2	76.7	74.7	94.7	47.2
18	67.7	67.9	77.1	84.8	91.7	96.5	94.7	93.5	90.5	78.1	70.9	63.3	71.0	84.9	66.2	43.1	49.3	39.3	39.3	41.5	42.2	44.1	49.5	47.4	66.4	96.5	39.3
19	49.6	52.5	58.9	67.5	68.9	72.3	71.1	57.6	49.0	30.6	27.7	26.0	26.7	26.1	26.2	27.4	30.1	23.3	29.2	50.5	59.3	65.5	72.4	76.0	47.7	76.0	23.3
20	80.6	64.7	54.7	66.8	59.0	58.5	59.9	58.3	53.0	48.4	43.4	37.6	34.7	34.4	31.0	28.6	28.3	27.4	30.8	33.8	45.0	58.3	63.0	67.4	48.6	80.6	27.4
21	73.3	75.8	77.5	81.4	82.7	83.3	76.2	64.2	50.0	34.5	31.4	26.2	25.8	27.1	24.7	25.4	26.6	32.2	27.6	31.0	33.6	38.3	38.9	40.4	47.0	83.3	24.7
22	46.0	42.9	50.9	57.9	66.7	69.1	66.4	58.7	42.8	47.3	43.2	42.1	42.7	42.2	42.4	52.7	83.8	93.1	95.9	94.3	96.0	97.2	98.1	97.8	65.4	98.1	42.1
23	97.0	94.0	90.2	87.4	90.0	84.5	79.2	75.7	71.4	67.1	66.2	61.5	58.9	50.5	49.7	52.3	59.5	63.8	60.2	60.3	71.9	77.5	83.4	85.8	72.4	97.0	49.7
24	87.2	89.1	91.0	89.5	86.0	84.4	78.0	69.1	58.2	54.9	56.2	56.7	57.4	73.0	80.4	77.0	88.7	80.6	78.2	83.6	88.7	92.7	94.4	96.3	78.8	96.3	54.9
25	96.5	97.0	96.8	96.7	94.1	94.6	91.7	87.9	81.4	67.4	60.0	59.4	57.1	53.5	46.8	45.9	57.3	66.7	67.5	68.8	84.3	86.9	87.4	89.3	76.5	97.0	45.9
26	94.6	92.4	91.0	93.7	95.0	93.8	92.6	93.0	95.1	94.2	88.9	85.5	80.9	73.5	67.5	66.8	72.6	78.3	84.9	93.0	93.1	92.8	92.7	91.5	87.4	95.1	66.8
27	91.9	91.6	90.1	88.0	89.2	86.6	85.5	76.9	69.3	63.1	57.2	48.7	41.2	43.4	45.7	44.5	41.6	39.3	38.7	48.3	63.5	71.3	71.3	74.7	65.1	91.9	38.7
28	79.4	77.5	75.4	72.4	71.2	73.3	67.2	65.3	60.8	54.8	50.5	51.3	52.4	47.5	57.6	56.1	50.2	54.3	54.7	64.5	57.1	54.6	55.7	60.3	61.0	79.4	47.5
29	65.3	72.4	73.6	74.3	76.8	74.5	75.1	81.1	72.4	58.6	51.1	46.7	38.8	36.0	35.7	33.8	33.5	32.1	32.9	36.9	49.1	60.8	70.6	76.6	56.6	81.1	32.1
30	81.0	83.7	86.3	87.2	87.4	86.2	75.4	62.3	42.3	29.1	25.5	23.3	22.5	20.3	19.6	20.8	20.7	24.6	32.8	43.8	54.9	62.0	66.1	74.2	51.3	87.4	19.6
Avg	78.9	78.8	79.8	81.4	82.5	82.5	79.3	73.4	66.0	59.0	55.1	52.3	51.8	50.2	48.4	48.8	51.8	54.5	57.6	61.8	67.1	71.7	74.7	76.8	66.0	89.0	42.5
Max	97.0	97.0	96.8	96.7	95.0	96.5	94.7	93.5	95.1	94.2	88.9	85.5	80.9	84.9	80.4	85.5	88.7	93.6	95.9	94.3	96.5	97.2	98.1	97.8	87.4	98.1	68.1
Min	46.0	42.9	44.7	56.5	58.1	58.5	50.1	43.3	42.3	29.1	25.5	23.3	22.5	20.3	19.6	20.8	20.7	23.3	27.6	31.0	33.6	38.3	40.4	47.0	67.3	19.6	

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Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
May 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	79.0	82.9	84.1	86.0	87.6	86.0	73.2	54.9	39.7	33.9	32.8	32.0	30.3	29.3	29.3	29.2	28.9	28.9	31.9	46.3	62.3	66.5	71.2	77.7	54.3	87.6	28.9
2	82.5	85.3	88.0	88.9	89.5	89.5	79.3	60.9	39.9	32.6	29.8	28.1	27.7	31.0	32.1	35.8	40.1	44.6	62.4	72.1	78.4	83.3	86.4	86.4	61.4	89.5	27.7
3	93.2	93.6	97.1	95.5	96.1	98.5	96.7	91.2	89.0	85.3	80.9	75.8	71.6	70.6	76.7	79.5	81.7	85.6	86.3	89.5	94.8	96.5	96.3	95.8	88.2	98.5	70.6
4	96.2	96.6	96.5	96.8	95.5	97.3	96.4	96.5	93.4	96.5	86.5	77.7	64.6	69.7	75.6	63.2	54.2	49.3	47.3	56.1	74.7	75.4	87.6	91.6	80.6	97.3	47.3
5	94.3	95.3	95.2	95.2	94.6	93.6	87.3	88.3	79.7	63.4	50.9	47.4	42.1	45.6	45.5	42.3	64.3	71.0	75.7	74.2	82.2	83.7	88.0	88.9	74.5	95.3	42.1
6	90.5	90.8	93.6	96.4	96.2	95.5	94.7	82.2	63.4	50.1	48.2	44.2	64.8	66.2	77.0	81.5	80.7	79.7	80.1	81.1	82.1	82.5	84.1	84.6	78.8	96.4	44.2
7	84.1	83.5	83.0	80.7	79.1	78.7	76.2	72.6	72.5	69.1	63.3	68.8	67.0	62.1	58.5	59.6	61.6	66.8	70.1	77.5	83.2	85.9	90.6	92.1	74.4	92.1	58.5
8	92.6	90.6	91.7	91.9	90.4	91.2	86.0	73.8	63.0	48.7	39.7	36.9	33.5	30.2	31.1	30.8	31.0	31.1	32.8	44.4	58.4	65.2	69.7	76.6	59.6	92.6	30.2
9	82.7	87.4	89.7	90.3	89.3	88.0	86.5	80.5	68.2	68.9	76.9	86.2	85.9	80.4	72.8	69.6	62.1	54.6	52.5	58.0	69.8	77.7	84.5	87.1	77.1	90.3	52.5
10	88.8	91.1	93.2	93.3	94.8	92.2	83.8	71.9	60.0	56.4	58.3	62.2	59.9	64.7	58.8	59.5	61.9	63.8	65.3	68.1	67.0	64.8	61.9	69.3	71.3	94.8	56.4
11	73.3	78.8	84.2	83.2	80.7	83.0	83.0	81.8	87.3	87.0	87.5	75.5	63.9	63.6	67.2	65.9	65.9	66.8	70.4	73.6	73.9	70.8	74.3	79.8	75.9	87.5	63.6
12	82.8	81.3	79.8	84.1	88.0	84.6	72.2	59.3	41.1	36.7	37.3	30.8	30.8	32.9	33.7	33.2	31.6	31.2	32.1	38.6	54.3	64.3	72.5	78.4	54.7	88.0	30.8
13	81.4	83.7	85.1	86.3	87.2	84.4	71.7	62.1	39.6	34.6	32.4	30.9	28.6	26.1	25.1	26.1	29.6	31.1	32.8	44.5	54.0	66.3	74.0	80.1	54.1	87.2	25.1
14	85.4	88.6	89.9	90.5	91.3	89.9	84.2	63.6	41.8	35.1	31.4	31.8	31.0	30.8	31.8	32.1	32.6	34.5	37.4	44.9	57.4	64.5	67.4	74.3	56.8	91.3	30.8
15	77.8	82.1	86.6	91.2	94.0	90.0	80.2	62.9	47.9	44.1	40.7	40.6	37.2	35.1	34.8	35.2	32.6	32.7	46.5	54.7	76.3	80.4	80.6	80.7	61.0	94.0	32.6
16	81.8	86.6	88.4	89.5	94.9	93.8	92.6	83.8	69.3	61.3	58.2	56.7	51.8	47.8	64.3	80.5	65.3	66.3	76.8	81.3	86.8	91.7	93.2	94.4	77.4	94.9	47.8
17	96.6	95.6	94.3	92.8	94.3	93.1	92.0	86.2	82.0	74.6	62.7	53.5	42.9	48.5	48.3	49.5	53.4	46.9	58.0	66.7	87.4	93.6	92.2	94.5	75.0	96.6	42.9
18	96.7	99.1	98.6	98.9	97.9	97.6	95.3	95.6	93.7	88.6	80.9	78.7	78.2	88.0	86.6	79.5	73.0	76.9	74.9	77.2	85.3	87.7	93.6	95.8	88.3	99.1	73.0
19	98.5	98.4	97.8	96.5	97.4	95.4	88.7	83.6	79.3	73.4	66.5	57.1	46.6	46.8	59.2	47.0	42.6	44.8	46.6	59.2	68.1	80.0	87.8	91.2	73.0	98.5	42.6
20	94.3	96.5	96.2	96.5	95.8	92.0	82.1	71.2	55.6	47.2	44.1	38.9	33.7	29.0	24.7	35.5	47.2	72.7	70.5	73.1	80.0	80.9	85.1	90.2	68.0	96.5	24.7
21	93.8	95.1	97.0	98.4	97.8	95.9	87.4	72.0	55.1	44.3	38.0	31.1	27.2	26.1	25.1	26.6	26.9	23.7	23.6	51.3	57.6	70.3	76.9	81.5	59.3	98.4	23.6
22	87.6	90.6	91.8	89.4	92.6	90.8	83.1	71.2	53.5	39.6	37.3	31.3	29.7	31.2	29.7	21.4	17.0	20.0	26.3	38.0	51.9	57.5	62.5	71.4	54.8	92.6	17.0
23	76.9	81.4	88.9	88.0	88.6	87.5	78.2	61.5	44.0	27.1	27.8	22.2	18.8	23.3	20.1	16.9	15.9	19.8	34.4	43.0	45.6	50.1	51.2	62.0	48.9	88.9	15.9
24	67.1	69.5	82.5	85.2	87.0	83.8	77.9	63.2	59.9	48.2	42.8	41.6	43.3	51.1	56.2	51.5	65.0	59.2	68.7	82.7	88.4	94.2	96.1	94.8	69.2	96.1	41.6
25	94.5	96.0	98.9	99.6	99.7	99.8	96.3	85.2	66.4	54.5	48.9	45.0	38.0	33.3	31.5	30.8	31.5	31.0	31.9	48.0	63.7	73.9	80.6	84.3	65.1	99.8	30.8
26	86.6	90.6	92.5	93.9	97.2	94.7	85.0	66.5	49.3	44.4	43.6	44.9	34.0	31.0	30.8	34.5	34.3	32.9	43.9	53.9	58.6	58.4	64.0	68.9	59.8	97.2	30.8
27	77.4	78.5	83.0	85.3	92.2	87.9	75.3	55.4	43.8	44.3	44.1	45.2	43.6	43.3	38.6	35.9	45.2	53.9	75.2	88.7	85.6	91.7	96.3	97.0	67.0	97.0	35.9
28	99.3	99.5	93.5	87.1	89.8	88.7	84.4	77.4	74.1	64.3	58.3	48.7	41.9	40.5	39.5	42.9	56.8	64.8	64.1	75.1	83.2	85.2	79.8	82.9	71.7	99.5	39.5
29	79.2	81.2	82.9	83.3	66.5	58.9	53.8	52.9	47.8	42.2	38.4	29.7	26.5	27.1	25.3	23.5	22.6	23.7	27.0	38.3	54.5	65.4	68.0	75.1	49.7	83.3	22.6
30	79.6	83.5	87.3	88.0	90.2	87.7	74.4	59.8	42.8	44.4	41.4	37.9	36.8	34.7	34.2	33.3	30.9	36.4	39.5	48.7	55.9	56.9	64.0	66.1	56.4	90.2	30.9
31	58.4	65.1	79.3	85.2	91.3	91.3	87.6	80.2	67.0	65.4	64.1	57.4	53.0	49.6	45.2	43.1	68.7	86.2	82.7	79.3	91.8	97.0	95.5	97.7	74.3	97.7	43.1
Avg	85.6	87.7	90.0	90.6	91.2	89.7	83.4	73.2	61.6	55.0	51.4	48.0	44.7	44.8	45.5	45.0	46.9	49.4	53.8	62.2	71.4	76.2	79.9	83.6	67.1	93.8	38.8
Max	99.3	99.5	98.9	99.6	99.7	99.8	96.7	96.5	93.7	96.5	87.5	86.2	85.9	88.0	86.6	81.5	81.7	86.2	86.3	89.5	94.8	97.0	96.3	97.7	88.3	99.8	73.0
Min	58.4	65.1	79.3	80.7	66.5	58.9	53.8	52.9	39.6	27.1	27.8	22.2	18.8	23.3	20.1	16.9	15.9	19.8	23.6	38.0	45.6	50.1	51.2	62.0	48.9	83.3	15.9

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Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (RH)
June 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	99.3	99.6	99.8	99.8	99.8	99.8	99.6	89.2	74.5	68.0	67.7	69.0	66.1	80.8	85.5	87.9	86.4	70.0	66.0	75.7	94.0	95.6	95.9	97.4	86.1	99.8	66.0
2	97.5	99.5	99.8	99.7	99.6	98.1	91.3	82.5	64.6	54.5	41.5	38.2	36.2	44.8	43.8	33.4	32.4	31.7	32.6	39.7	65.3	72.2	77.8	82.8	65.0	99.8	31.7
3	87.3	90.4	94.8	95.3	93.3	91.8	82.3	71.4	56.1	50.8	45.8	42.2	50.9	45.4	41.2	40.7	39.5	36.0	45.1	58.0	66.3	75.4	71.2	74.5	64.4	95.3	36.0
4	80.9	88.0	88.9	92.4	94.1	88.2	73.2	61.8	58.1	54.5	52.7	51.5	48.7	50.0	48.1	45.4	42.6	39.4	39.0	45.2	66.7	77.8	81.5	85.9	64.8	94.1	39.0
5	90.2	91.6	92.2	94.2	94.7	86.6	76.5	55.1	43.5	39.7	37.3	35.1	35.0	37.1	40.8	46.2	56.9	62.2	67.3	70.8	80.6	81.8	82.2	84.5	65.9	94.7	35.0
6	87.0	85.8	84.4	84.7	85.1	86.1	84.9	82.5	80.9	78.8	77.5	70.2	59.8	45.4	34.3	26.8	27.0	53.6	72.2	77.1	85.5	89.2	90.9	91.0	72.5	91.0	26.8
7	89.3	89.2	88.4	89.4	91.3	88.4	80.8	61.9	52.2	48.5	43.7	38.6	45.6	41.3	35.1	31.8	32.8	35.7	37.2	37.8	43.1	47.9	52.7	56.2	56.6	91.3	31.8
8	66.7	71.1	72.9	79.1	80.5	79.9	69.3	64.3	39.4	35.4	34.4	33.5	33.2	28.4	29.1	31.5	31.8	30.9	32.2	38.9	55.5	64.3	75.4	81.5	52.5	81.5	28.4
9	82.6	85.8	90.6	91.8	92.9	85.7	74.1	53.6	38.4	40.7	38.5	33.7	31.7	30.4	31.4	32.3	29.7	30.4	31.4	35.2	34.9	42.0	53.8	50.5	51.8	92.9	29.7
10	61.1	70.4	79.1	83.8	86.9	81.8	68.5	53.4	44.5	37.2	28.6	21.0	19.4	16.1	21.9	24.7	26.3	27.1	39.1	43.0	49.8	57.1	67.0	75.7	49.3	86.9	16.1
11	80.6	82.6	83.9	90.3	96.2	88.0	79.7	65.6	66.3	67.6	60.3	58.7	56.9	49.5	44.5	43.0	43.9	46.3	43.8	59.9	75.7	82.3	84.6	87.5	68.2	96.2	43.0
12	90.7	89.7	90.8	92.9	89.8	86.1	75.8	68.5	67.5	66.7	60.9	54.0	55.2	55.7	55.0	56.4	55.8	60.3	66.4	65.7	68.3	72.6	74.0	81.0	70.8	92.9	54.0
13	88.2	94.8	90.6	88.0	91.7	87.6	86.5	88.6	84.7	83.2	71.3	58.1	72.3	69.8	54.4	47.7	43.9	51.2	63.7	88.0	93.8	94.9	95.9	96.3	78.6	96.3	43.9
14	96.7	98.8	97.5	96.0	91.7	93.4	91.9	84.2	76.2	69.0	82.2	86.7	89.8	89.6	89.6	88.9	91.4	92.6	91.8	94.2	94.7	93.5	94.7	96.4	90.5	98.8	69.0
15	96.8	96.0	94.9	96.6	98.6	98.1	84.5	80.8	76.3	67.2	62.2	56.3	54.2	50.8	48.5	44.6	42.8	44.9	54.2	59.6	69.9	78.9	86.9	91.2	72.3	98.6	42.8
16	91.7	93.0	95.4	93.3	93.1	91.8	88.7	77.6	68.1	64.1	60.2	52.1	50.3	67.9	86.2	73.2	75.5	82.2	86.8	87.2	87.6	93.2	94.5	97.3	81.3	97.3	50.3
17	95.1	92.3	91.4	94.9	97.8	97.4	95.8	94.6	89.9	90.6	84.5	75.3	65.2	61.5	61.2	58.8	58.9	57.5	57.4	56.3	65.2	74.9	82.9	89.2	78.7	97.8	56.3
18	87.9	82.8	76.8	85.3	88.0	77.0	74.7	72.6	70.9	67.6	64.5	63.7	65.1	78.7	83.8	82.6	87.0	92.0	89.7	90.5	90.1	89.1	89.0	90.0	80.8	92.0	63.7
19	93.5	94.7	92.0	93.1	96.2	97.5	97.6	97.0	88.2	80.9	76.5	74.3	71.7	68.5	63.9	55.4	48.3	50.5	63.3	76.4	81.1	84.8	86.4	92.3	80.2	97.6	48.3
20	94.5	96.7	96.6	96.7	96.9	91.8	86.2	64.8	47.4	42.0	37.9	42.0	40.5	57.5	87.1	73.9	53.5	50.6	86.2	92.3	88.2	93.4	96.4	95.5	75.4	96.9	37.9
21	97.5	97.0	99.3	99.5	99.8	99.8	96.1	80.6	65.2	53.5	41.2	37.5	33.2	30.4	30.5	29.4	28.8	29.9	35.6	46.8	58.2	63.0	66.6	71.1	62.1	99.8	28.8
22	70.1	74.5	80.8	85.9	88.7	85.3	78.6	60.7	51.3	50.6	51.1	50.0	65.4	88.9	87.2	86.7	81.3	79.9	85.4	86.6	92.3	95.3	97.1	97.6	78.0	97.6	50.0
23	98.7	98.0	98.6	98.9	98.9	99.8	99.7	89.5	69.5	51.9	52.7	57.5	62.7	63.1	78.9	66.9	62.5	47.2	42.8	58.8	82.2	86.4	88.0	91.1	76.8	99.8	42.8
24	93.9	91.0	95.5	93.9	98.0	91.5	80.7	64.5	Au	Au	Au	42.8	42.7	41.5	44.7	51.5	73.3	84.0	78.5	74.8	83.3	90.6	89.2	93.2	76.1	98.0	41.5
25	95.9	93.0	94.7	95.5	95.1	94.0	89.6	81.5	72.7	66.8	64.4	58.4	49.5	46.4	46.3	43.5	44.2	45.0	55.3	71.0	80.5	85.8	84.4	89.2	72.6	95.9	43.5
26	90.6	96.3	94.6	96.5	96.8	94.7	91.6	90.1	86.7	86.3	81.3	73.7	68.5	58.1	70.6	89.7	87.4	81.7	85.6	90.8	96.0	97.8	97.2	97.7	87.5	97.8	58.1
27	97.7	99.1	99.3	98.5	98.2	97.6	95.1	85.8	79.6	71.8	68.8	66.5	64.2	62.2	66.5	63.0	51.2	65.0	81.1	90.3	93.1	94.4	96.9	96.8	82.6	99.3	51.2
28	96.8	96.9	97.6	97.8	98.3	96.5	90.2	80.9	71.5	68.7	63.4	59.4	55.7	54.4	53.1	53.3	52.1	51.2	50.3	52.7	57.5	67.4	71.3	79.2	71.5	98.3	50.3
29	87.1	90.2	92.0	94.7	93.0	83.2	69.0	62.9	58.5	55.2	52.2	51.6	41.8	38.5	36.6	36.6	37.6	39.4	43.0	43.5	47.3	58.7	66.5	74.6	60.6	94.7	36.6
30	74.9	80.2	86.2	87.5	89.2	92.1	86.9	79.2	71.7	64.1	63.2	64.9	66.3	61.5	56.7	55.1	53.6	51.5	50.9	56.9	69.8	82.5	86.9	92.7	71.9	92.7	50.9
Avg	88.7	90.3	91.3	92.9	93.8	91.0	84.6	74.9	66.0	61.2	57.5	53.9	53.3	53.8	55.2	53.4	52.6	54.0	59.1	65.5	73.9	79.4	82.6	86.0	71.5	95.5	43.4
Max	99.3	99.6	99.8	99.8	99.8	99.8	99.7	97.0	89.9	90.6	84.5	86.7	89.8	89.6	89.6	89.8	91.4	92.6	91.8	94.2	96.0	97.8	97.2	97.7	90.5	99.8	69.0
Min	61.1	70.4	72.9	79.1	80.5	77.0	68.5	53.4	38.4	35.4	28.6	21.0	19.4	16.1	21.9	24.7	26.3	27.1	31.4	35.2	34.9	42.0	52.7	50.5	49.3	81.5	16.1

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

Day	<< Hour >>																								Tot	Max		
	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.070	0.040	0.020	0.020	0.020	0.010	0.020	0.240	0.070				
7	0.020	0.010	0.010	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.130	0.140	0.110	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.140			
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.010	0.010	0.010		
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.060	0.030	0.030	0.040	0.060	0.050	0.010	0.290	0.060				
16	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.040	0.010			
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010			
18	0.000	0.000	0.000	0.090	0.050	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.190	0.090			
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.000	0.140	0.000	0.010	0.040	0.010	0.030	0.260	0.140				
23	0.040	0.020	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.040			
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.020	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.030			
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.010	0.040	0.090	0.040			
26	0.020	0.000	0.000	0.000	0.010	0.000	0.000	0.070	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.110	0.070			
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Total	0.090	0.030	0.010	0.100	0.080	0.020	0.000	0.000	0.070	0.010	0.000	0.130	0.180	0.160	0.010	0.030	0.100	0.130	0.210	0.050	0.080	0.170	0.080	0.100	1.840	0.000		
Max	0.040	0.020	0.010	0.090	0.050	0.010	0.000	0.000	0.070	0.010	0.000	0.130	0.140	0.110	0.010	0.020	0.040	0.070	0.140	0.030	0.040	0.060	0.050	0.040	0.450	0.140		

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

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

Day	<< Hour >>																								Tot	Max		
	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.000	0.000	0.010	0.190	0.100	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.390	0.190			
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
13	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.000	0.010	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.220	0.060	0.030	0.000	0.000	0.370	0.220			
14	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.040	0.040	0.070	0.110	0.120	0.040	0.030	0.040	0.060	0.060	0.040	0.010	0.740	0.120			
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.040	0.140	0.190	0.140			
16	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.020	0.000	0.000	0.000	0.020	0.000	0.040	0.070	0.030	0.000	0.300	0.100	
17	0.000	0.000	0.000	0.010	0.010	0.020	0.000	0.020	0.040	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.110	0.040		
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.040	0.010	0.040	0.090	0.030	0.040	0.010	0.000	0.020	0.100	0.410	0.100	
19	0.090	0.120	0.090	0.130	0.130	0.150	0.120	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.900	0.150	
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.260	0.140	0.000	0.000	0.000	0.130	0.260	0.090	0.000	0.020	0.000	0.900	0.260
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.290	0.080	0.140	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.570	0.290	
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.020	
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	Au	Au	Au	Au	0.000	0.000	0.000	0.000	0.060	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.080	0.060		
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010			
26	0.000	0.000	0.010	0.000	0.040	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.080	0.110	0.000	0.000	0.000	0.070	0.000	0.000	0.010	0.000	0.000	0.340	0.110	
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.020	0.020	0.000	0.020	0.020	0.150	0.040	0.000	0.000	0.000	0.310	0.150	
28	0.000	0.000	0.000	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010	
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Total	0.100	0.120	0.110	0.150	0.150	0.220	0.130	0.130	0.040	0.030	0.050	0.070	0.340	0.570	0.720	0.410	0.270	0.150	0.310	0.710	0.300	0.190	0.160	0.250	5.680	0.000		
Max	0.090	0.120	0.090	0.130	0.130	0.150	0.120	0.060	0.040	0.010	0.040	0.070	0.290	0.260	0.190	0.110	0.120	0.090	0.130	0.260	0.090	0.070	0.040	0.140	0.900	0.290		

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**APPENDIX B: PERFORMANCE AUDIT REPORTS
SECOND QUARTER 2014**



PRELIMINARY METEOROLOGICAL AUDIT REPORT

Client : Tintina Resources
SITE : Black Butte DATE : 06/24/14

Audit Start Time : 8:30 MST Audit End Time : 11:00 MST

Temperature

Audit Device : Control Company Digital Thermometer
Model Number : 4000 Serial Number : 140251289
Last certified : 04/10/14
Sensor Make : Climatronics
Model Number : 100093 Serial Number Upper: 8253 Serial Number Lower: 8255

Temperature bath results

	19m	19m	2m	2m	19m - 2m
Audit	DAS	DAS	DAS	DAS	
Value	Value	Diff.	Value	Diff.	Diff.
oC	oC	oC	oC	oC	
-9.10	-9.07	0.03	-9.03	0.07	0.04
19.96	19.90	-0.06	19.94	-0.02	0.04
49.47	49.39	-0.08	49.42	-0.05	0.03

Wind Direction

Alignment Audit Device : Sokkia Transit-Magnetic
Model Number : 116
Linearity Audit Device : Climatronics Serial Number : 72 Setpoint Clockwise Counter-CW Diff CW Diff CCW
Model Number : 101966 0 2.1 2.2 2.1 2.2
Sensor height : 10 Meter 30 32.6 32.6 2.6 2.6
Sensor Make : Climatronics 60 61.9 61.9 1.9 1.9
Model Number : 102083 Serial Number : K2336C 90 91.4 91.4 1.4 1.4
120 121.5 121.6 1.5 1.6
150 150.5 150.5 0.4 0.4
180 180.4 182.2 0.4 2.2
210 210.6 210.6 0.6 0.6
240 242.4 241.5 2.4 1.5
270 271.2 269.2 1.2 -0.8
300 302.2 302.9 2.2 2.9
Sensor response aligned with crossarm (as found) : 0.1 330 332.7 333.0 2.7 3.0
Sensor response aligned with crossarm (as left) : 0.2 Max Diff 2.6 2.6

Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	2.1	2.2	2.1	2.2
90	91	91	1.4	1.4
180	180	182	0.4	2.2
270	271	269	1.2	-0.8
			Max Diff	2.6

Wind Speed

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

Synchronous motor checks

Known	Audit	Station	DAS
Value	Value	Value	Diff.
RPM	MPS	MPS	MPS
0	0.2	0.2	0.0
300	6.7	6.7	0.0
600	13.1	13.1	0.0
950	20.6	20.5	0.0

Torque Audit Device : RM Young Disk Model Number : 18312 Serial Number : NA

Threshold	Station	Value	Diff.
Torque	Value	Torque	Torque
gm-cm	gm-cm	gm-cm	gm-cm
Maximum	0.3	0.3	-0.7
1.0			

Relative Humidity

Audit Device : Taylor Hygrometer
 Model Number : 5522 Serial Number : 66978
 Last certified : NA
 Sensor height : 10 Meter
 Sensor Make : Met One
 Model Number : 083E-0-35 Serial Number : P18245

Audit	Audit	Audit	Audit	Audit
Dry-Bulb:	Wet-Bulb	RH	Station RH	Diff.
oC	oC	%RH	%RH	%RH
69.0	57.0	45.0	44.0	-1

Barometric Pressure

Audit Device : Delta Cal
 Model Number : Delta Cal Serial Number : 999
 Last certified : 03/19/14
 Sensor Make : Climatronics
 Model Number : 102663-G0 Serial Number : 42017

Audit	Station	Audit
Value	Value	Diff.
In Hg	In Hg	In Hg
24.40	24.53	0.13

Solar Radiation

Audit Device : Li Cor
 Model Number : Pyranometer Serial Number : PY61543
 Last certified : 06/03/13
 Sensor Make : Met One
 Model Number : 096-1 Serial Number : PY69829

DAS	Station	DAS
Audit	Value	Diff.
Value	w/m ²	%
663.868	663.971	0.0

Precipitation

Audit Device : Fisher Scientific
 Model Number : S32814A Serial Number : 250 ml
 Last certified : NA
 Sensor Make : Climatronics
 Model Number : 100097-1-G0-H0 Serial Number : N3939
 Opening : 8 Inch
 Bucket Tip : 0.254 MM
 Bucket Tip Volume : 8.24 ML
 Level checked : OK
 Wind Screen in place : OK

Known	Known	Station	%
Value	Value	Value	Diff.
ML	Bucket Tips	Bucket Tips	
250.0	30	28	-7.7
250.0	30	28	-7.7

Signature Site Operator :

Signature Auditor :

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