

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

Prepared for:

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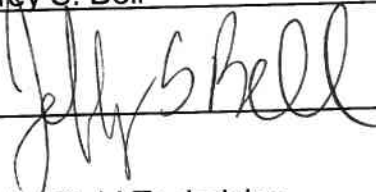
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CERTIFICATION OF DATA INTEGRITY

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 *Quality Assurance Project Plan*, the *State of Montana Ambient Air Monitoring Program Quality Assurance Project Plan*, the Environmental Protection Agency's *Quality Assurance Handbook for Air Pollution Measurement Systems: Volume II, Ambient Air Specific Methods (April 1994)*, and EPA's *Quality Assurance Handbook for Air Pollution Measurement Systems, Volume II, Part 1, Ambient Air Quality Monitoring Program Quality System Development (March 1998)*.

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APPENDICES

Appendix A: Meteorological Data

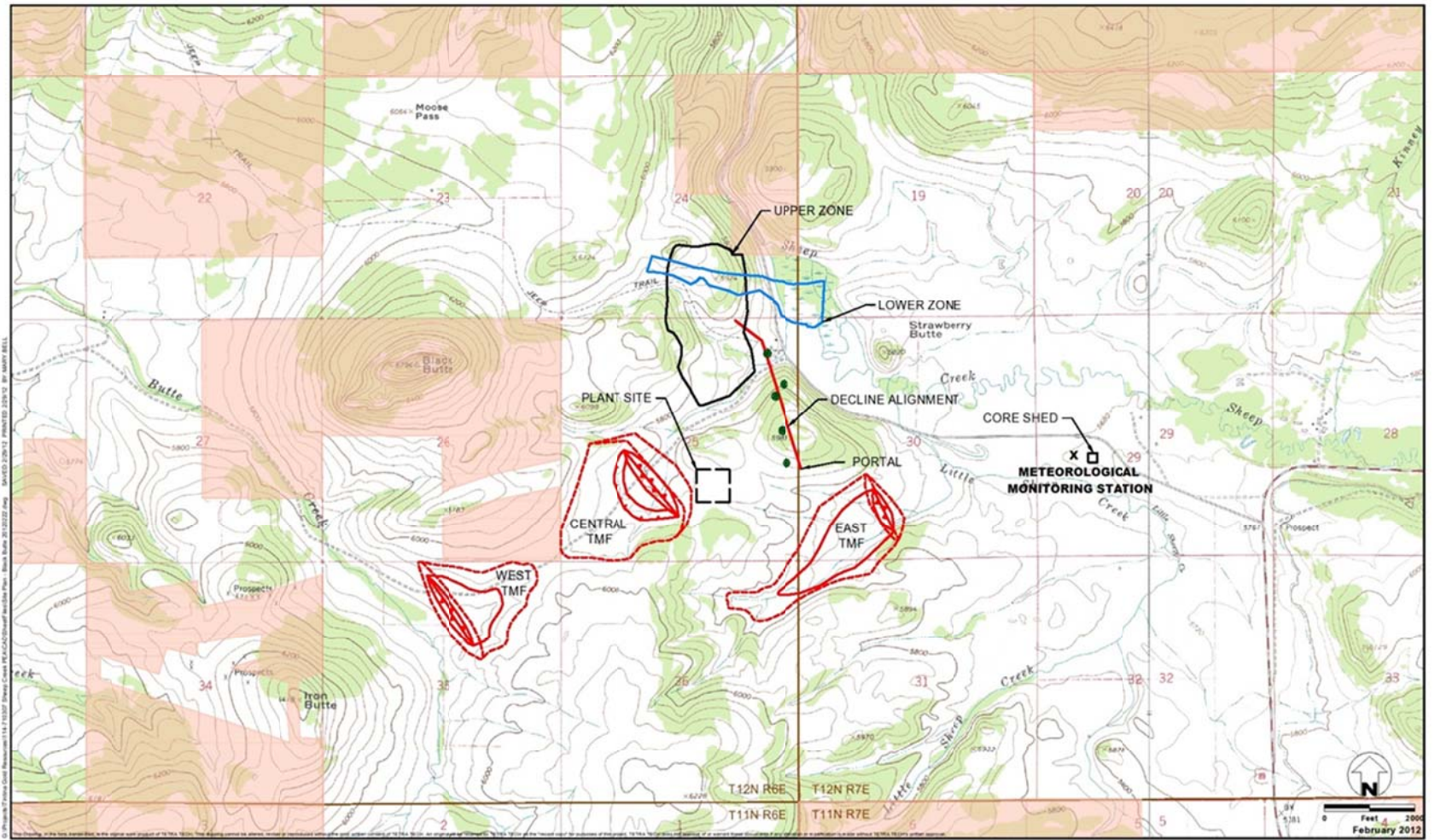
1.0 INTRODUCTION

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

This report presents the data collected during the first quarter (January through March) of 2013. 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



- ADIT ALIGNMENT HOLES
- TAILINGS MANAGEMENT FACILITY
- USFS PROPERTY

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.

3.0 CALIBRATION DATA

There were no calibrations performed during the first quarter.

Meteorological system calibration is performed:

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

4.0 PERFORMANCE AUDIT DATA

Steve Heck of Bison Engineering, Inc. (Bison) conducted performance audits of the meteorological system at the site during the first quarter. The audit of the delta T (temperature difference between the 9 and 2 meter probes) showed the high audit point (at 30.68°C) to be slightly out of the tolerance limit. The two lower audit points showed the delta T to be within the recommended tolerance limits. Since this audit covered only the first quarter and the highest temperature recorded by either probe was 9.1°C, no delta T data was invalidated. All of the other sensor 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 first quarter of 2013 are given in Tables 1 and 2. In these tables, the number of possible data values during each month of the quarter is given, together with the number of valid readings and the number of hours spent on quality assurance activities (such as calibrations, performance audits, and maintenance on the sensors). The quality assurance hours are added to the number of hours of valid data to compute the net percentage data recovery.

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

Table 1. Monthly Data Completeness

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

Table 1. Monthly Data Completeness (Continued)

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

Table 1. Monthly Data Completeness (Continued)

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

Table 2. Quarterly Data Completeness

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

6.0 MONITORING DATA

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

Monthly and quarterly wind rose distributions from the monitoring site are presented in Tables 4 through 7. 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 3. 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 4. Monthly Wind Rose Summary, Black Butte Copper Project Met Tower

January 2013																		
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	2.4	1.9	2.3	3.0	3.1	2.4	2.7	2.2	0.3	0.5	0.3	0.3	0.3	0.5	0.7	1.7	24.5
	1.1 - 2.0	1.6	2.2	2.6	3.0	3.0	3.2	3.0	1.7	1.1	0.5	0.3	1.1	1.3	0.7	0.9	0.5	26.6
	2.1 - 3.0	0.5	0.1	0.8	2.2	1.3	1.1	0.8	0.8	0.8	0.1	0.1	0.4	1.1	1.6	1.7	0.8	14.4
	3.1 - 4.0	0.1	0.0	0.1	1.2	0.1	0.1	0.1	0.1	0.7	0.3	0.0	0.4	1.7	2.0	1.5	0.3	8.9
	4.1 - 5.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.7	0.5	0.1	0.7	3.4	1.1	0.3	1.1	8.3
	5.1 - 6.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	2.3	0.9	0.5	0.9	5.4
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.3	0.0	0.3	2.4	0.5	0.7	0.4	4.8
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.3	2.3	0.1	0.1	0.3	3.4
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.4	1.1	0.3	0.1	0.1	2.4
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.0	0.0	0.1	0.8
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.4	0.0	0.0	0.0	0.5
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Calm																		0.0
Total	5.0	4.2	5.8	9.4	7.7	6.9	6.7	5.1	3.9	2.8	0.9	4.2	16.8	7.8	6.6	6.3	100.0	
Average Speed	1.5	1.2	1.3	1.8	1.4	1.4	1.4	1.5	3.2	3.8	3.0	4.2	5.4	3.8	3.4	3.5	2.8	

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

February 2013																		
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	1.2	1.8	1.6	3.6	3.3	3.1	1.3	0.1	0.4	0.3	0.1	0.1	0.4	0.7	1.2	21.1
	1.1 - 2.0	0.9	1.0	1.5	2.5	4.5	4.5	2.1	1.2	0.9	0.3	0.1	0.4	0.7	0.4	1.0	0.6	22.8
	2.1 - 3.0	0.1	0.0	0.0	1.3	2.7	0.9	0.4	0.3	0.0	0.1	0.1	0.9	2.1	3.0	1.2	0.1	13.4
	3.1 - 4.0	0.1	0.0	0.0	0.4	0.4	0.1	0.7	0.4	0.1	0.1	0.1	0.6	2.4	2.4	1.5	0.1	9.8
	4.1 - 5.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.6	0.7	0.0	0.6	1.2	1.9	1.8	0.4	0.1	7.7
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.3	0.1	0.3	4.5	1.2	0.4	0.3	7.6
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.6	3.3	1.2	0.6	0.0	7.0
	7.1 - 8.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	3.7	0.1	0.3	0.3	5.8
	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	0.3	1.6	0.1	0.3	0.0	2.4
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	0.3	0.4	0.0	2.1
	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	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Calm																		0.0
Total	3.0	2.2	3.3	6.0	11.5	8.8	6.4	4.3	1.9	1.3	1.8	6.8	21.9	11.0	7.0	2.8	100.0	
Average Speed	1.5	1.1	1.0	1.7	1.7	1.3	1.4	2.3	2.8	2.4	3.8	5.2	5.8	4.1	3.9	2.6	3.3	

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

March 2013																		
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	1.9	1.2	1.2	2.0	2.0	1.9	1.2	1.8	0.7	0.5	0.4	0.0	0.1	0.8	0.1	0.7	16.7
	1.1 - 2.0	0.7	1.1	3.1	3.1	4.1	4.6	3.0	2.2	1.1	0.3	0.9	0.7	1.1	0.7	0.1	0.7	27.4
	2.1 - 3.0	0.1	0.4	0.5	1.4	3.8	2.4	1.1	0.3	0.3	0.1	0.3	1.2	2.3	1.4	0.5	0.4	16.6
	3.1 - 4.0	0.4	0.1	0.0	0.4	1.1	0.5	0.5	0.3	0.0	0.0	0.4	1.1	2.6	1.4	0.4	0.3	9.5
	4.1 - 5.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	1.5	2.4	1.6	0.5	0.3	6.9
	5.1 - 6.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.8	3.1	1.2	0.9	0.3	7.1
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.7	3.0	2.0	0.9	0.0	7.1
	7.1 - 8.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	1.4	1.4	0.3	0.0	3.4
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.5	1.8	0.3	0.0	0.0	2.7
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.5	0.3	0.0	1.5
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.1	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	0.1	0.0	0.0	0.1
	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	3.4	3.4	4.9	7.1	11.0	9.5	5.8	4.9	2.4	1.2	2.0	6.6	19.1	11.7	4.3	2.6	100.0	
Average Speed	1.6	2.1	1.4	1.7	1.9	1.7	1.8	1.7	2.1	2.6	1.9	4.4	5.5	5.2	5.3	2.5	3.2	

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

First Quarter 2013																		
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	2.0	1.4	1.8	2.2	2.9	2.5	2.3	1.8	0.4	0.5	0.3	0.1	0.2	0.6	0.5	1.2	20.8
	1.1 - 2.0	1.1	1.4	2.4	2.9	3.8	4.1	2.7	1.7	1.0	0.4	0.5	0.7	1.1	0.6	0.7	0.6	25.7
	2.1 - 3.0	0.3	0.2	0.5	1.6	2.6	1.5	0.8	0.5	0.4	0.1	0.2	0.8	1.8	2.0	1.2	0.5	14.8
	3.1 - 4.0	0.2	0.0	0.0	0.7	0.6	0.3	0.5	0.3	0.3	0.1	0.2	0.7	2.2	1.9	1.1	0.2	9.4
	4.1 - 5.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.3	0.5	0.2	0.2	1.1	2.6	1.5	0.4	0.5	7.7
	5.1 - 6.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.5	3.3	1.1	0.7	0.5	6.6
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.8	2.9	1.3	0.7	0.1	6.3
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.5	2.4	0.6	0.2	0.2	4.1
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.4	1.5	0.2	0.1	0.0	2.5
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.8	0.3	0.2	0.0	1.4
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.5
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
	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	3.8	3.3	4.7	7.5	10.0	8.4	6.3	4.8	2.8	1.8	1.6	5.9	19.2	10.1	5.9	3.9	100.0	
Average Speed	1.5	1.5	1.3	1.7	1.7	1.5	1.5	1.8	2.8	3.2	2.8	4.6	5.6	4.4	4.1	3.1	3.1	

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

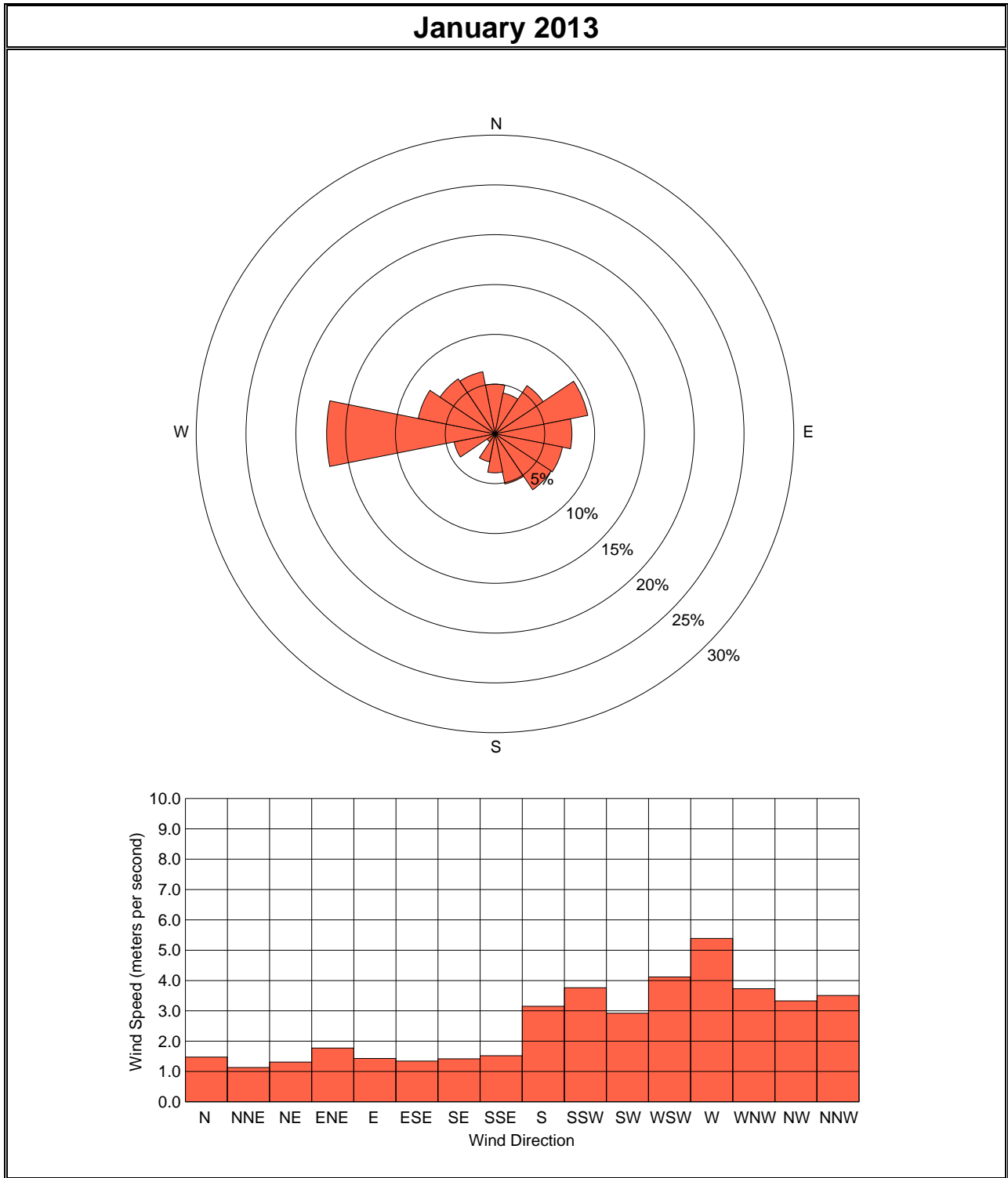


Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower

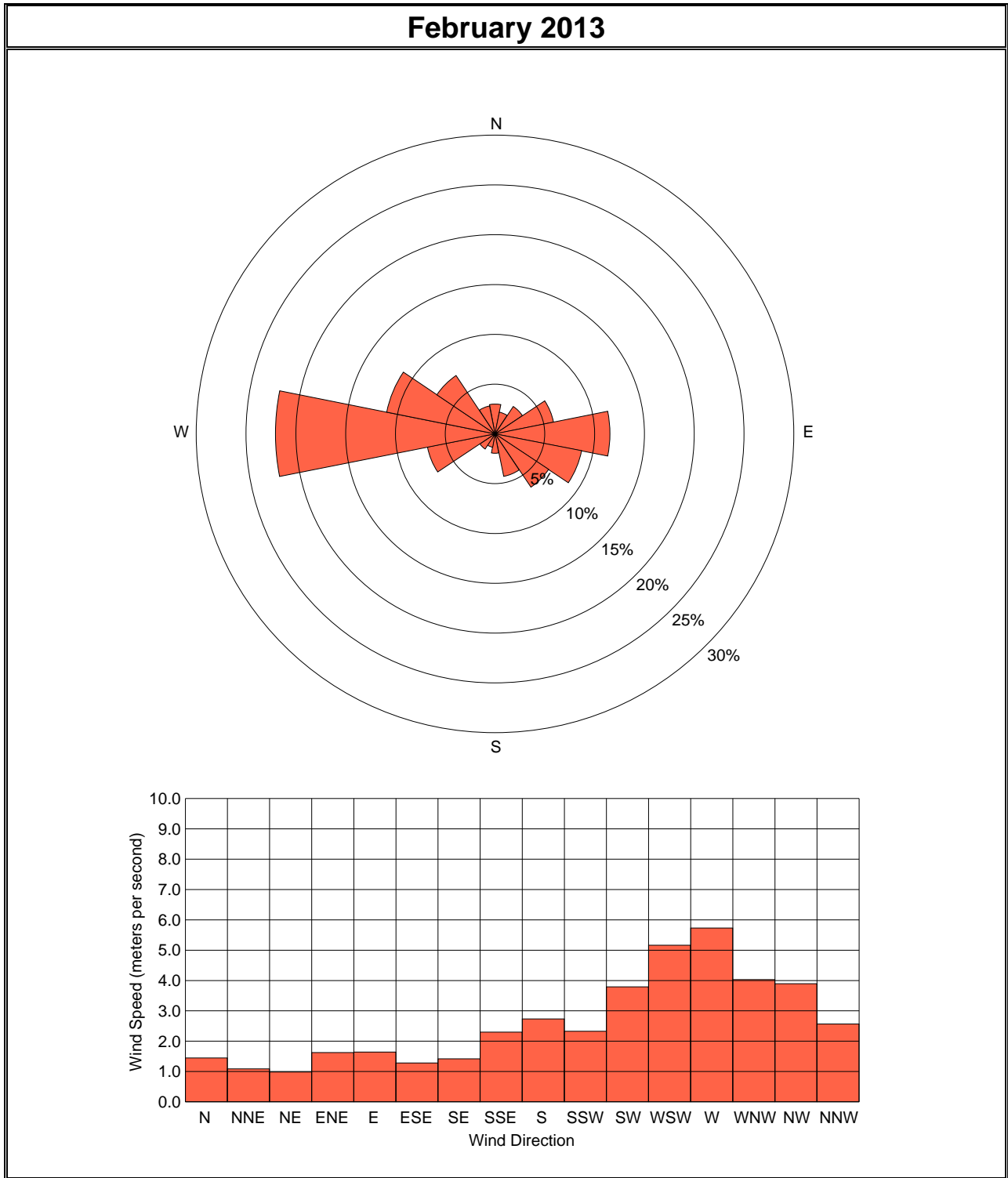


Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower

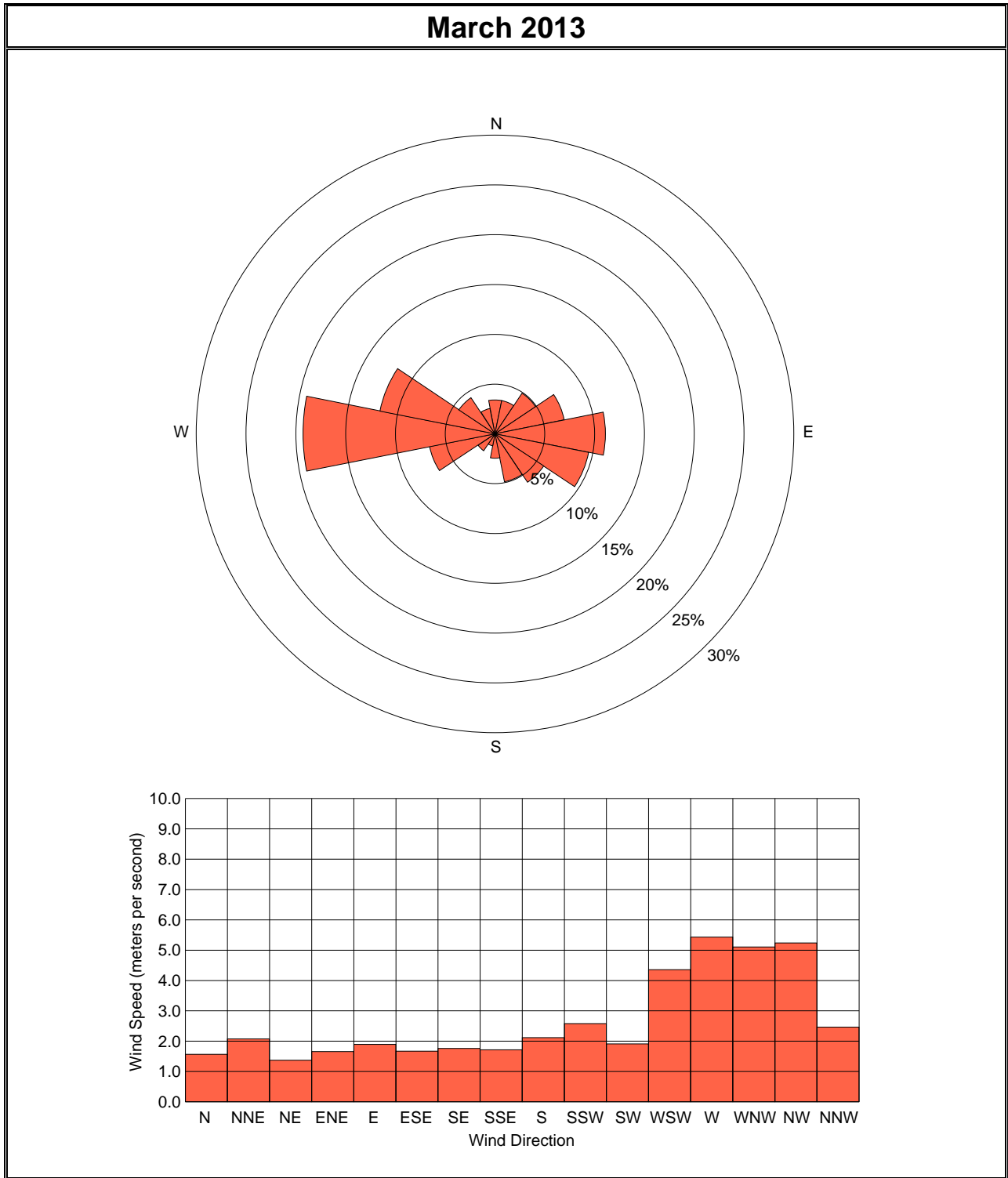
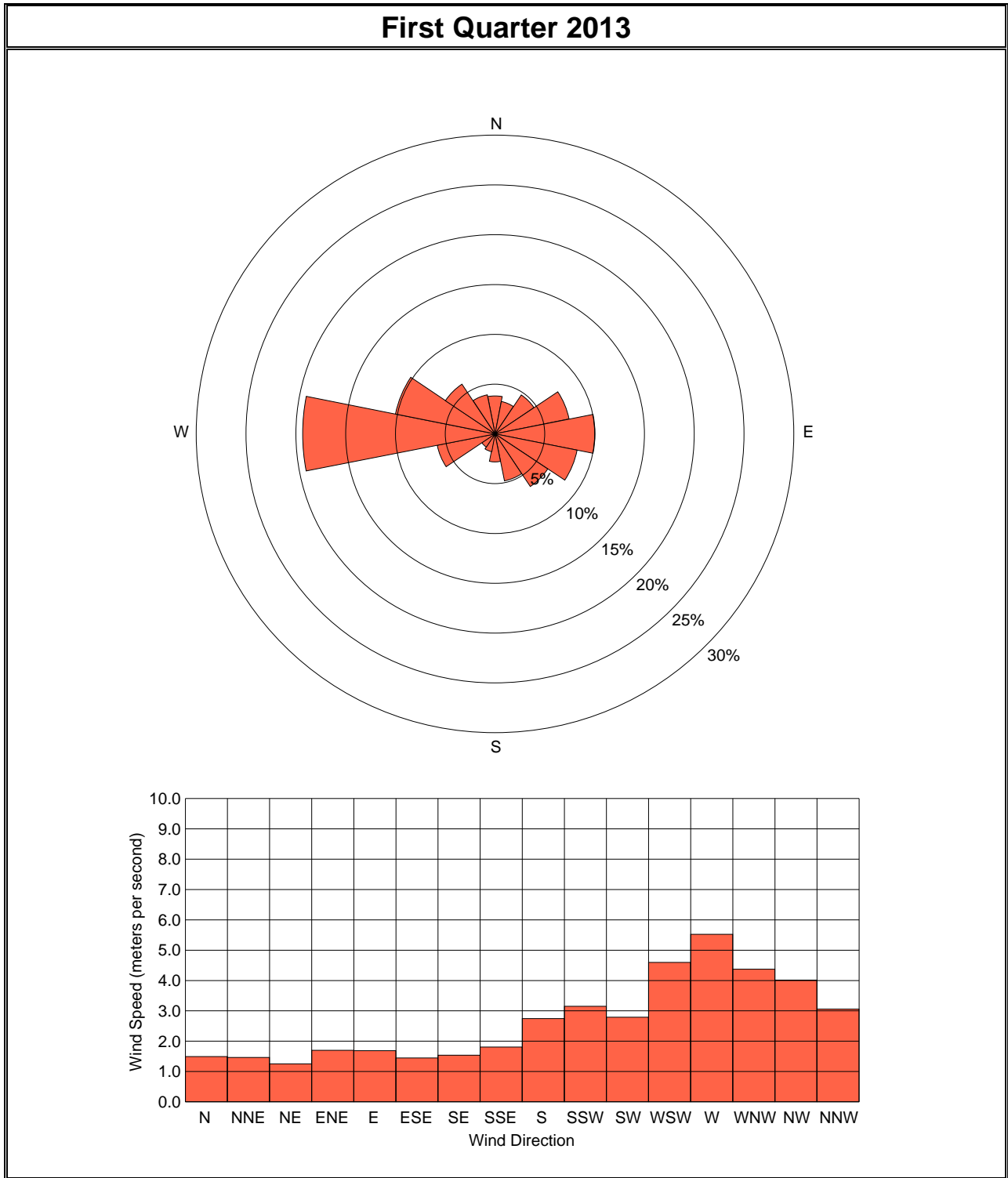


Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower



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

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

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

A-1

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

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

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

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

A-3

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

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

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

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

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

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

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

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

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

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

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

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

A-9

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

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

A-10

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

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

A-11

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

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

A-12

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

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

A-13

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

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

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

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

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

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

A-16

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

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

A-17

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

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

A-18

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m²)
January 2013

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

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m²)
February 2013

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

A-20

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m²)
March 2013

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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**APPENDIX B: PERFORMANCE AUDIT REPORTS,
FIRST QUARTER 2013**



BISON ENGINEERING, INC.

Meteorological Parameters Audit Form

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

Temperature

Audit Device Sensors
 Control Company - digital thermometer Model 4000 Climatronics Model 100093
 Serial Number 91255639
 Last certified: 11/20/2012

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

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

Wind Direction

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

Linearity Check from DAS

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

MAX DIFF = -2.8

Wind Speed

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

Torque Watches

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

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

Wind Speed: <0.003 oz.-in.

Wind Direction: 0.05 oz.-in CW
 0.05 oz.-in CCW

Relative Humidity

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

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

Barometric Pressure

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

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

Precipitation

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

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

$559/8.24 = 67.8$ tips - Audit Value
 $\% \text{ diff} = 64 - 67.8 / 67.8 * 100 = -4.62\%$

Signature Site Operator : _____

Signature Auditor : Steven R. Heide

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