



BISON ENGINEERING, INC.

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May 30, 2014

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

Dear Mr. Zehntner:

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

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

Sincerely,
BISON ENGINEERING, INC.

Chris Hiltunen, P.E.
Project Engineer

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

Enclosure

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

Prepared for:

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

Prepared by:

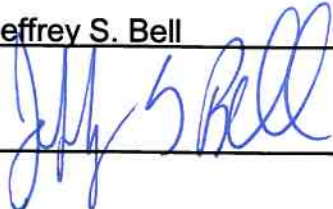
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May 15, 2014

CERTIFICATION OF DATA INTEGRITY

Bison Engineering, Inc., certifies the data in this report is an accurate summary of the air quality conditions measured at the Black Butte Copper Project air monitoring site. Every effort was made to obtain accurate and representative data and to comply with the procedures set forth in the *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)*.

Preparer: Jeffrey S. Bell

Signature: 

Title: Senior Field Technician

Date: 4/28/14

Reviewer: Rebecca L. Picchioni, P.E.

Signature: 

Title: Project Engineer

Date: 5/12/14

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APPENDICES

Appendix A: Meteorological Data
Appendix B: Performance Audit Reports

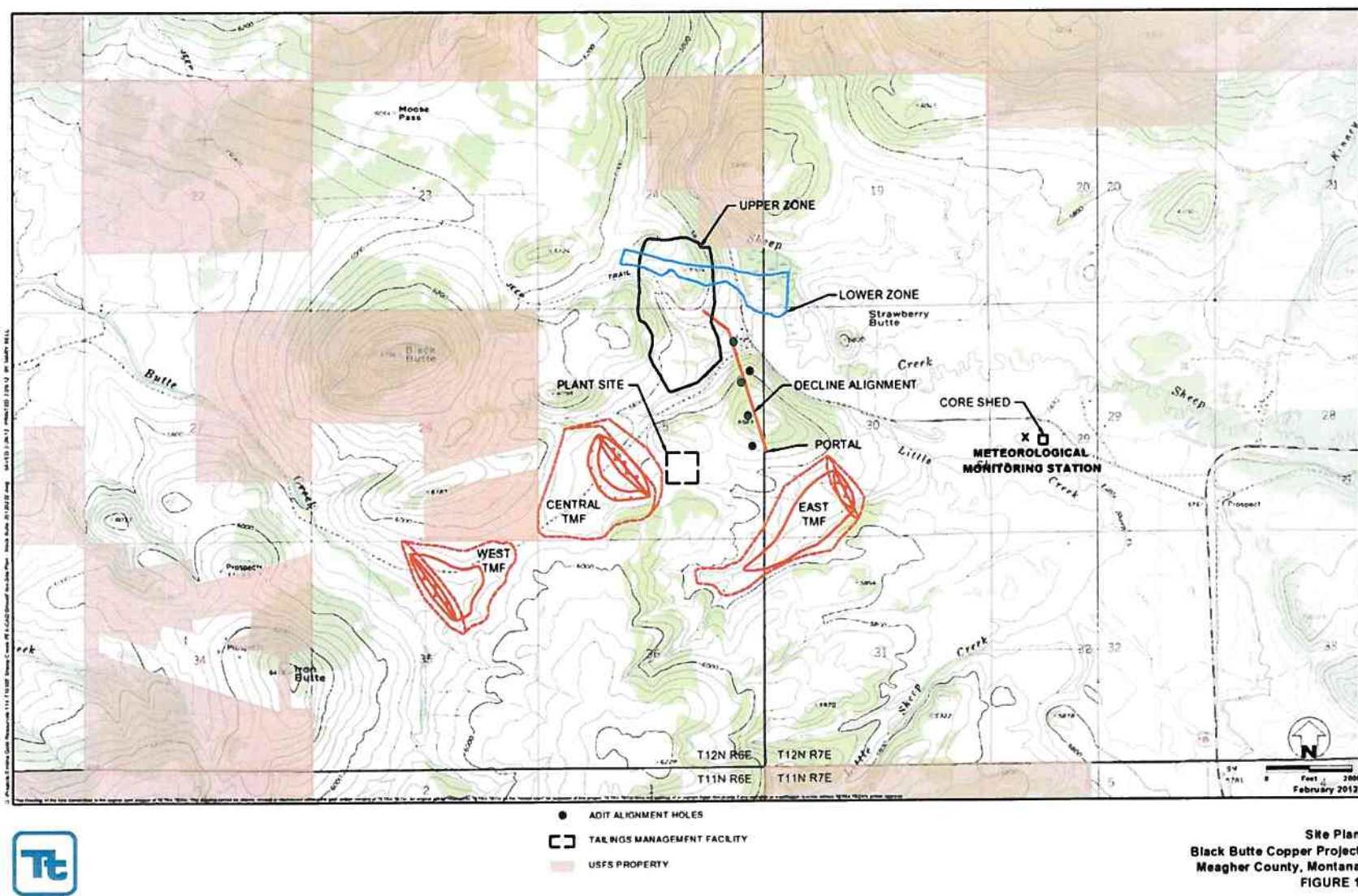
1.0 INTRODUCTION

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

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

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

Figure 1. Monitoring Site Location



2.0 MONITORING SYSTEM OPERATIONS

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

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

3.0 CALIBRATION DATA

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

4.0 PERFORMANCE AUDIT DATA

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

5.0 DATA COMPLETENESS

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

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

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

In general, false positive precipitation periods were suspected whenever:

- 1) Non-zero precipitation readings were accompanied by low-to-moderate relative humidity readings (versus readings of 75-80% or higher that would typically occur during a precipitation event), **and**
- 2) Significant wind (indicating potential drifting) was present, generally 4-5 meters per second or higher.

Table 1. Monthly Data Completeness

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

Table 1. Monthly Data Completeness (Continued)

February 2014					
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	564	83.9	0	83.9
Total	6,720	6,612	98.4	0	98.4

Table 1. Monthly Data Completeness (Continued)

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

Table 2. Quarterly Data Completeness

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

Table 3. Suspected False Non-Zero Precipitation Readings

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

6.0 MONITORING DATA

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

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

Table 4. Missing Data Codes

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

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

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

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

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

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

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

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

First Quarter 2014																		
Direction>>>		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.3	1.8	1.6	2.4	3.2	3.0	2.7	1.9	0.9	0.5	0.3	0.5	0.6	0.8	1.0	1.3	23.7
	1.1 - 2.0	0.7	0.7	1.8	2.4	2.9	3.0	2.0	1.0	0.8	0.4	0.2	0.6	1.1	1.1	0.8	0.6	20.1
	2.1 - 3.0	0.2	0.2	0.3	1.3	1.6	1.0	0.7	1.2	0.5	0.2	0.3	1.2	1.4	1.7	1.1	0.4	13.4
	3.1 - 4.0	0.0	0.0	0.0	0.4	0.6	0.1	0.3	0.8	0.7	0.3	0.3	1.4	1.9	1.3	1.0	0.4	9.7
	4.1 - 5.0	0.2	0.0	0.0	0.1	0.4	0.0	0.1	0.9	0.4	0.4	0.3	1.2	2.2	1.1	0.7	0.4	8.4
	5.1 - 6.0	0.2	0.0	0.0	0.1	0.0	0.0	0.1	0.6	0.3	0.5	0.2	0.6	1.8	1.5	0.5	0.3	6.8
	6.1 - 7.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.5	0.6	0.6	1.8	1.0	0.4	0.4	5.9
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.2	0.3	0.4	1.8	0.5	0.4	0.1	4.1
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.4	0.3	1.6	0.4	0.2	0.0	3.2
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.1	0.1	0.2	0.1	1.8
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.1	0.0	0.0	1.3
	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	0.1	0.5	0.0	0.0	0.0	0.7
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.4	0.0	0.0	0.0	0.6
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.3
	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	0.1	0.0	0.0	0.0	0.1
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm																		0.0
Total		2.9	2.8	3.8	6.7	8.7	7.2	6.0	7.3	3.8	3.0	3.2	7.1	17.5	9.6	6.4	4.0	100.0
Average Speed		2.2	1.0	1.3	1.7	1.6	1.3	1.5	3.1	2.8	4.2	5.5	4.5	6.1	4.3	3.7	2.9	3.4

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

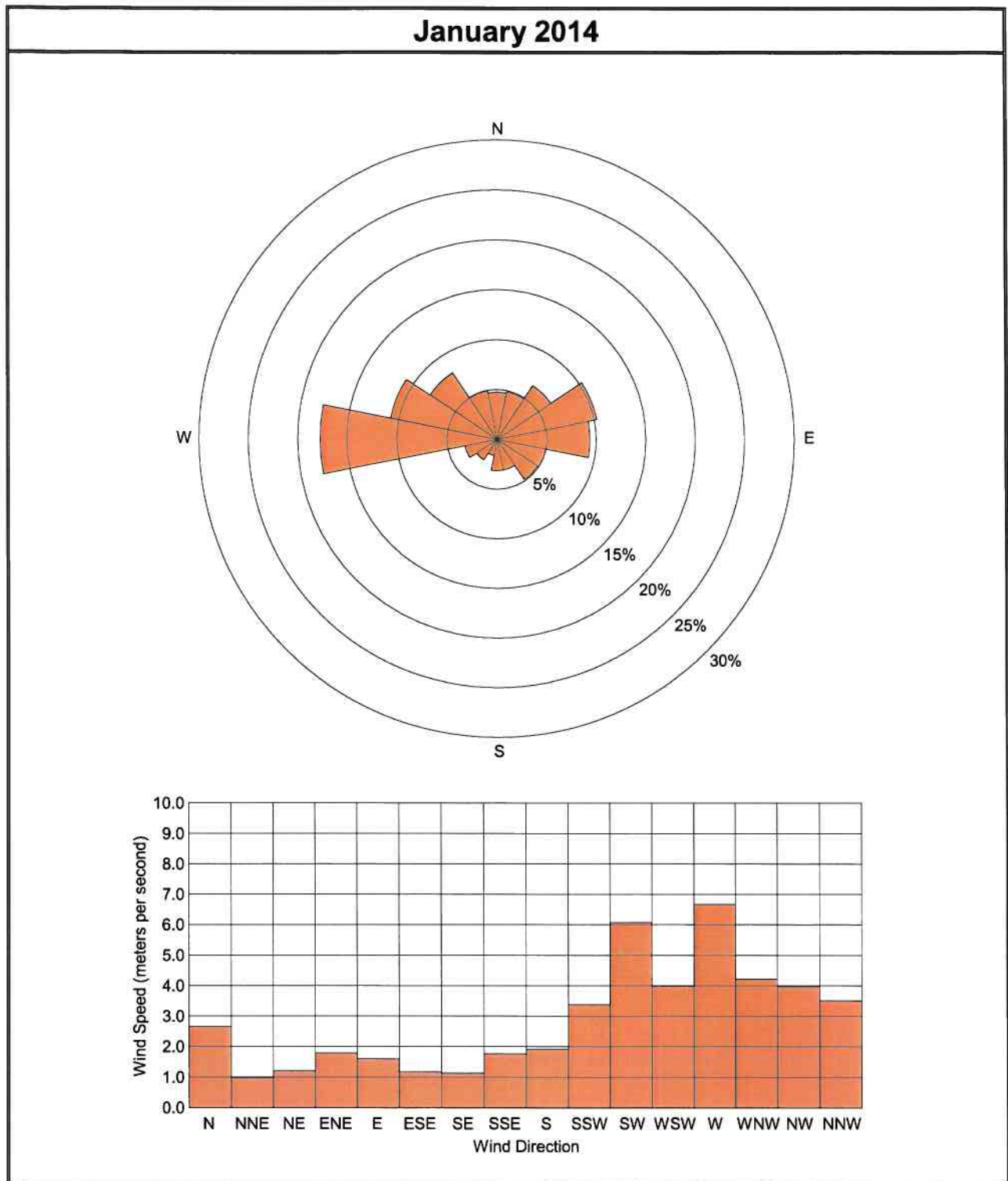


Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower

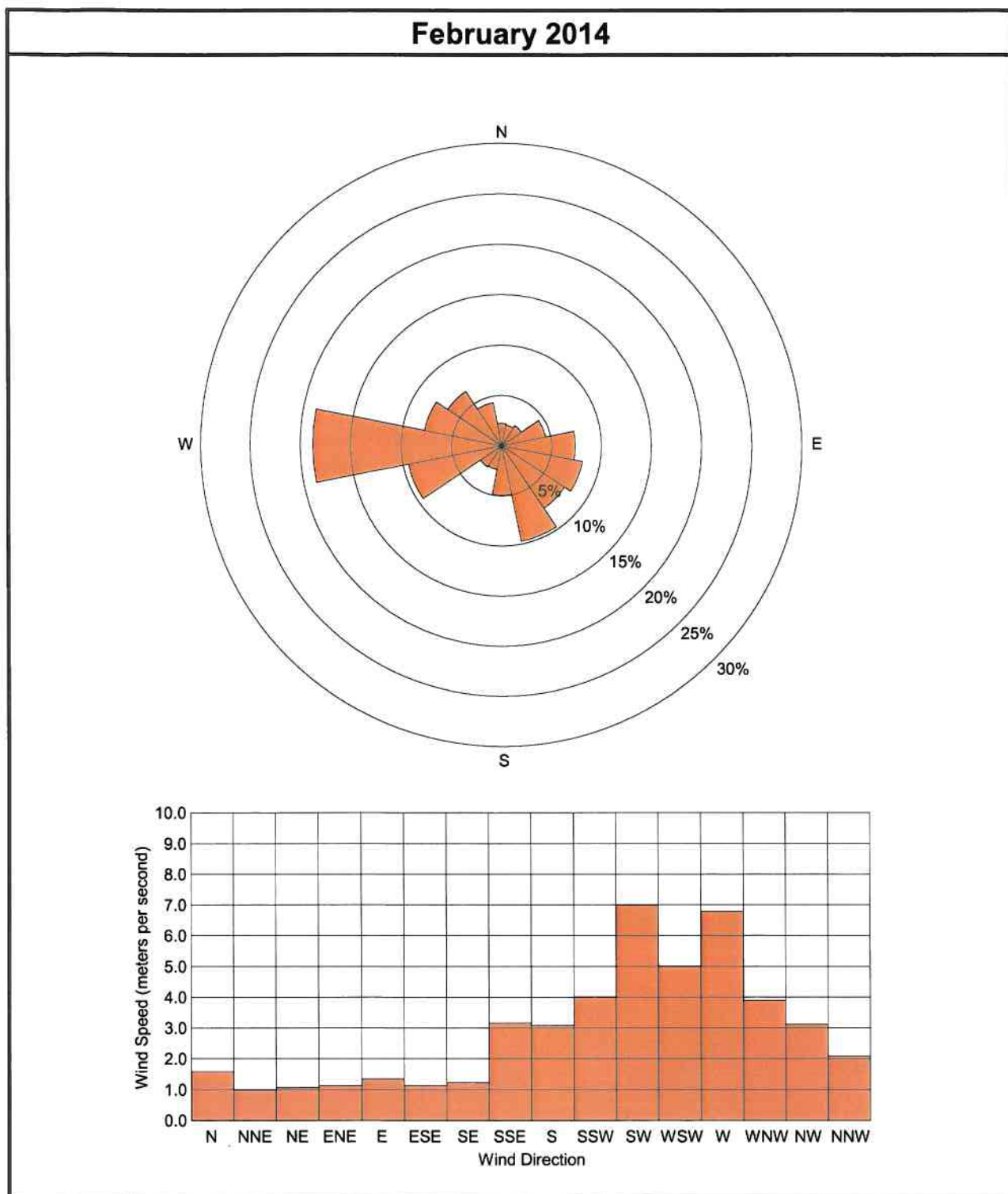


Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower

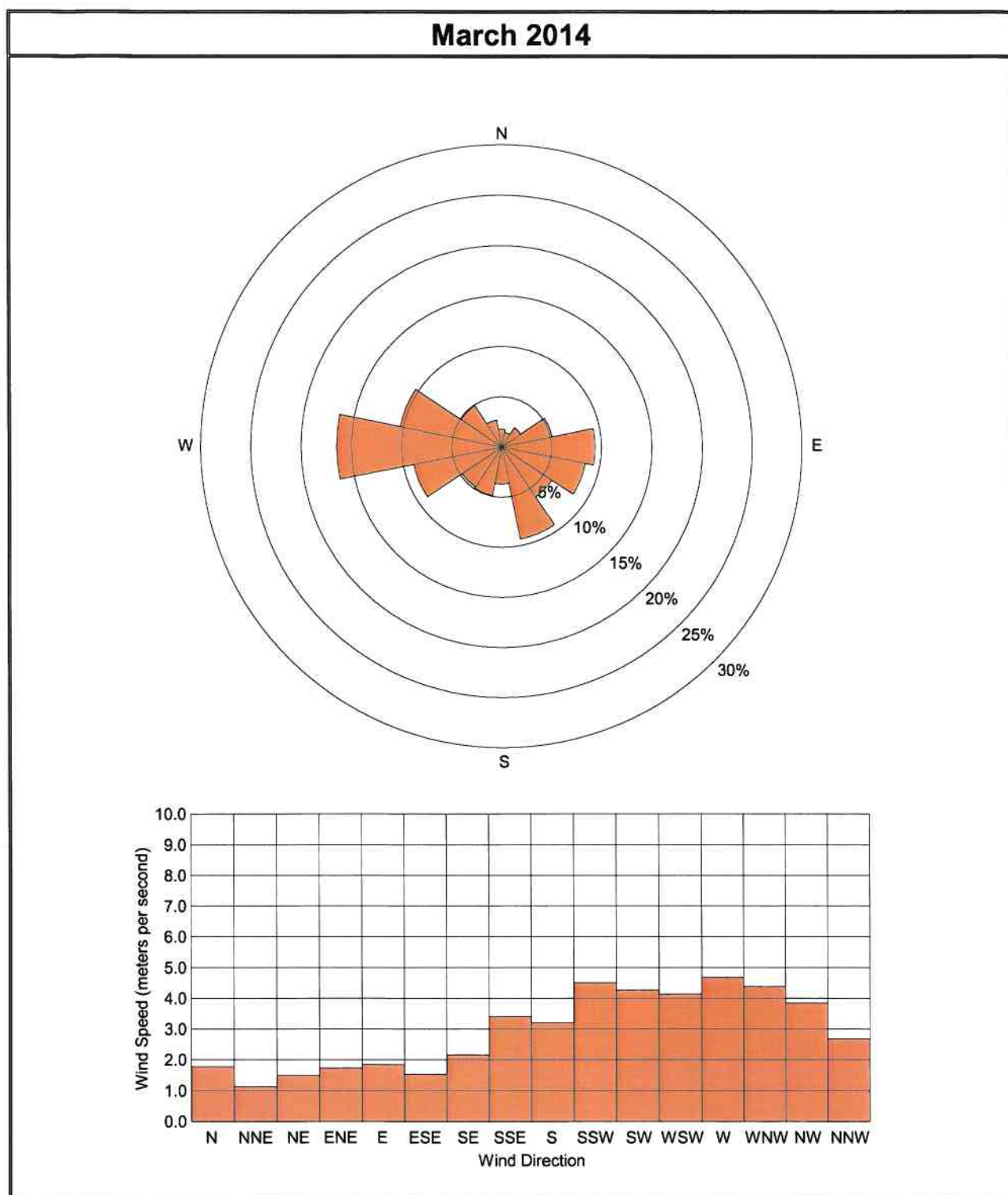
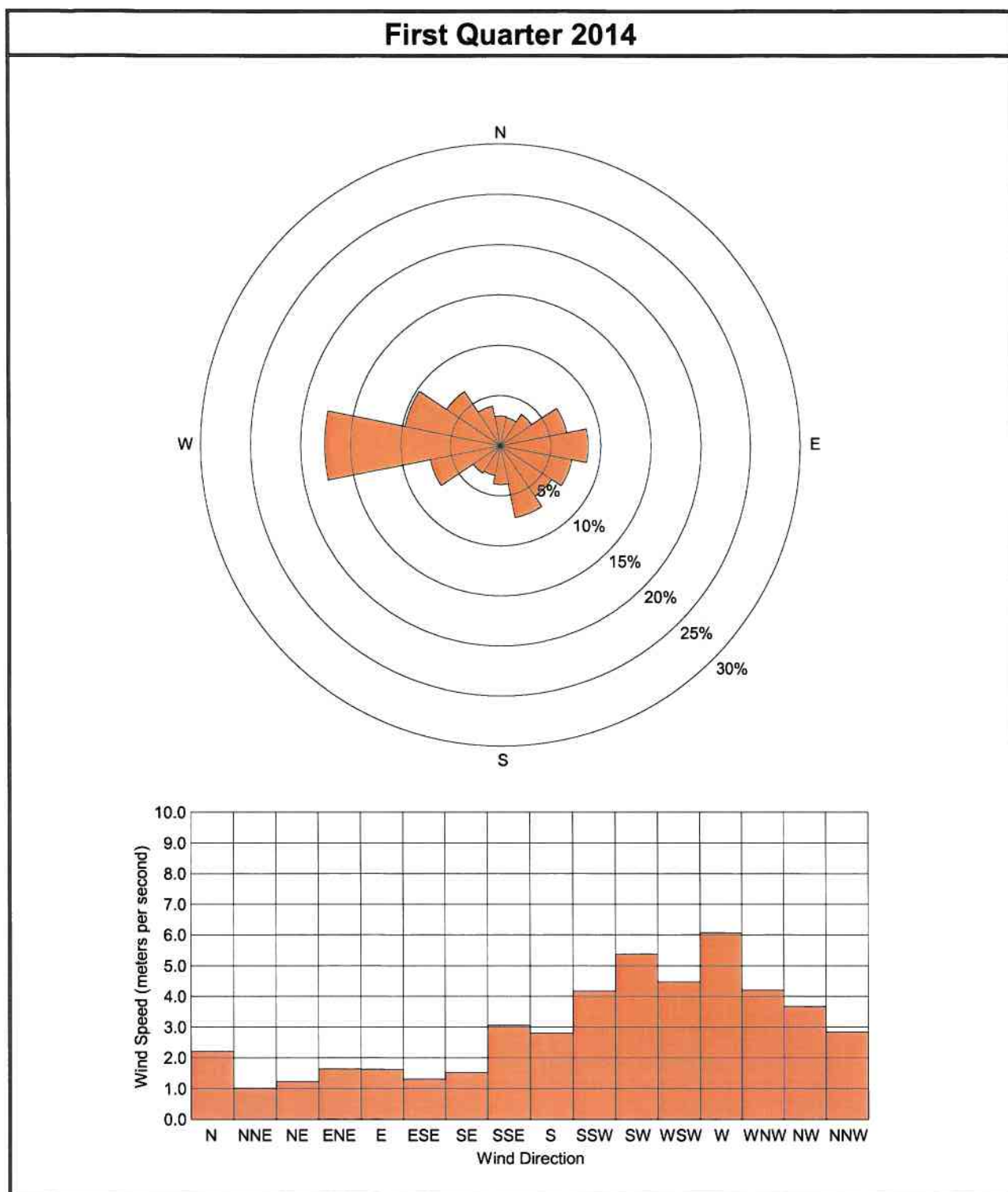


Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower



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

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	4.0	3.6	5.5	5.1	5.8	5.6	3.3	1.9	1.9	1.5	0.9	2.9	4.1	4.3	5.7	6.1	4.7	1.7	0.9	2.7	2.1	1.7	1.4	1.1	3.3	6.1	0.9
2	1.0	0.9	0.9	0.7	0.7	0.6	0.9	0.7	0.7	0.5	0.5	0.6	0.7	1.0	0.6	1.4	1.2	1.5	0.9	1.4	1.9	2.6	3.2	4.6	1.2	4.6	0.5
3	4.7	6.7	8.1	6.5	7.7	9.7	8.9	12.3	11.9	13.3	12.1	13.4	12.0	10.8	9.1	6.1	3.4	3.6	1.7	2.2	1.5	1.5	1.0	1.1	7.1	13.4	1.0
4	1.1	0.9	0.9	0.9	0.7	0.5	0.8	0.8	1.6	3.6	3.5	4.8	6.3	5.6	4.1	2.5	3.3	2.8	2.8	2.7	3.4	3.7	5.3	5.5	2.8	6.3	0.5
5	4.3	4.6	7.1	5.0	9.3	11.2	6.9	4.0	2.8	4.3	7.2	6.5	5.7	3.5	3.4	1.3	0.7	1.4	1.5	1.2	1.0	0.5	0.6	0.7	3.9	11.2	0.5
6	0.9	0.9	0.7	0.6	0.7	0.9	0.7	1.3	1.4	1.3	1.0	0.7	1.2	2.1	2.8	3.7	3.4	2.9	4.2	6.0	5.2	3.7	3.9	5.1	2.3	6.0	0.6
7	3.6	4.1	4.2	3.6	2.9	3.2	2.7	2.8	1.5	2.6	2.3	2.2	3.9	6.1	6.3	5.3	3.6	1.6	1.5	1.7	1.4	1.3	0.8	0.5	2.9	6.3	0.5
8	1.1	0.9	0.4	0.4	0.5	0.4	0.3	0.3	0.3	0.4	0.4	0.9	2.3	1.8	2.1	2.8	3.4	2.7	0.8	2.3	2.8	3.4	2.1	2.3	1.5	3.4	0.3
9	2.4	2.1	3.7	2.6	2.8	4.1	3.5	4.0	2.4	2.4	1.5	2.2	7.2	6.6	7.6	5.9	7.6	6.3	5.1	6.3	4.6	5.0	2.1	2.6	4.2	7.6	1.5
10	2.8	4.1	1.3	2.3	1.0	0.5	0.9	3.6	4.9	6.4	7.1	9.0	8.5	8.7	8.3	9.8	9.9	9.8	7.2	9.3	10.6	8.4	7.7	6.1	6.2	10.6	0.5
11	6.6	3.8	2.3	1.4	3.8	3.4	1.7	5.0	8.8	9.3	7.5	11.6	15.6	8.6	9.9	7.0	12.5	8.0	5.4	6.1	5.2	3.9	2.4	2.2	6.3	15.6	1.4
12	1.0	2.5	3.7	4.1	6.4	6.3	7.8	8.3	8.2	9.0	10.0	11.0	9.8	10.9	11.0	10.4	8.5	6.6	6.5	6.2	8.4	7.6	4.9	7.8	7.4	11.0	1.0
13	8.9	9.3	12.2	10.2	7.9	9.3	9.0	8.8	10.3	8.0	9.1	8.8	10.6	14.0	13.5	12.7	13.0	12.0	8.7	7.3	5.1	4.5	2.4	2.7	9.1	14.0	2.4
14	2.2	1.6	2.1	0.7	1.0	0.7	0.4	0.4	0.3	0.9	2.6	2.0	2.3	6.6	5.7	4.0	2.9	2.1	2.1	3.8	3.8	2.5	4.7	2.6	2.4	6.6	0.3
15	1.8	2.3	5.1	7.0	7.6	3.8	5.6	10.0	13.1	10.7	8.9	9.8	8.7	6.6	5.9	6.3	4.8	3.9	1.4	0.6	0.8	1.5	2.7	2.5	5.5	13.1	0.6
16	0.7	0.3	0.7	0.6	0.9	2.0	1.5	1.3	1.3	0.5	0.3	0.7	3.5	4.4	3.9	3.1	1.3	0.8	1.2	1.7	1.1	1.6	1.4	1.4	1.5	4.4	0.3
17	1.7	1.9	1.4	1.2	1.4	1.2	1.1	0.8	0.7	0.5	0.5	0.6	0.9	1.5	2.8	4.8	5.6	2.0	2.4	2.3	0.9	1.2	0.9	1.2	1.6	5.6	0.5
18	0.7	0.4	0.5	0.5	0.6	0.4	0.6	0.5	0.7	0.5	0.4	0.7	0.8	2.1	2.7	1.2	1.4	1.1	3.0	2.5	2.3	1.8	2.0	1.5	1.2	3.0	0.4
19	0.7	0.8	0.6	0.7	1.5	1.5	1.9	1.7	1.1	1.5	1.2	1.1	2.3	2.2	7.8	4.9	4.1	5.9	4.5	5.5	5.3	4.5	4.5	3.8	2.9	7.8	0.6
20	3.4	2.6	1.7	1.3	1.4	0.4	0.6	0.6	0.6	0.4	0.6	0.6	0.6	0.6	1.1	0.9	0.9	1.4	1.7	1.4	0.7	1.1	0.9	0.5	1.1	3.4	0.4
21	0.5	0.8	0.8	0.7	0.7	0.8	0.8	0.6	0.8	0.7	1.0	1.0	0.5	2.3	3.8	1.8	1.9	2.5	2.1	1.6	0.9	0.6	0.6	0.6	1.2	3.8	0.5
22	0.8	0.8	1.0	0.9	0.5	0.6	0.5	0.4	0.4	1.1	0.9	2.6	4.0	4.1	2.6	1.4	2.6	2.4	2.2	1.0	0.9	1.6	1.2	3.4	1.6	4.1	0.4
23	3.0	2.7	2.1	2.6	3.5	3.4	2.7	2.8	1.3	0.9	0.5	1.4	1.0	0.8	0.6	1.1	1.1	1.4	1.2	1.3	0.9	1.3	1.1	0.8	1.6	3.5	0.5
24	0.8	0.9	1.6	2.0	1.5	0.7	1.5	1.5	1.2	1.2	0.8	1.0	1.3	1.6	4.3	4.0	0.9	1.6	2.2	1.6	1.2	0.8	0.8	1.1	1.5	4.3	0.7
25	1.1	1.0	0.6	0.9	0.8	1.2	1.0	1.5	1.3	1.2	0.8	1.2	2.7	5.7	6.5	4.2	1.7	1.1	2.4	2.9	2.4	1.5	2.0	1.6	2.0	6.5	0.6
26	1.0	1.0	0.9	1.3	1.6	4.2	4.3	7.1	6.5	8.4	12.5	10.9	9.7	7.6	5.5	4.6	4.2	3.2	2.4	2.1	2.4	1.8	0.9	0.8	4.4	12.5	0.8
27	1.8	1.9	3.0	2.3	1.7	1.2	1.0	0.7	0.6	0.7	0.8	2.3	7.5	8.4	7.8	6.9	6.3	5.0	2.8	2.0	1.2	3.1	2.3	1.2	3.0	8.4	0.6
28	1.3	0.5	0.7	0.7	0.7	0.7	1.0	0.6	0.6	0.4	0.5	0.7	0.8	1.2	1.6	5.1	3.9	2.9	3.0	5.0	4.1	2.2	2.8	4.5	1.9	5.1	0.4
29	1.6	0.9	7.8	8.3	6.5	5.5	1.9	1.7	1.4	2.2	2.9	2.2	1.5	3.8	3.7	7.0	6.9	8.6	6.3	6.1	6.8	5.6	5.5	6.4	4.6	8.6	0.9
30	6.0	6.5	6.4	4.2	4.2	5.5	6.1	5.6	5.4	4.7	4.2	3.9	4.5	4.4	4.0	3.0	2.4	1.2	0.5	0.5	0.4	0.4	0.3	0.5	3.5	6.5	0.3
31	0.3	0.5	0.7	0.6	1.1	0.6	0.7	0.9	0.6	0.4	0.5	1.0	3.4	4.1	4.1	4.0	4.2	3.6	4.6	3.9	3.5	5.1	5.2	4.2	2.4	5.2	0.3
Avg	2.3	2.3	2.9	2.6	2.8	2.9	2.6	3.0	3.1	3.2	3.3	3.8	4.6	4.9	5.1	4.6	4.3	3.6	3.0	3.3	3.0	2.8	2.5	2.6	3.3	7.4	0.7
Max	8.9	9.3	12.2	10.2	9.3	11.2	9.0	12.3	13.1	13.3	12.5	13.4	15.6	14.0	13.5	12.7	13.0	12.0	8.7	9.3	10.6	8.4	7.7	7.8	9.1	15.6	2.4
Min	0.3	0.3	0.4	0.4	0.5	0.4	0.3	0.3	0.3	0.4	0.3	0.6	0.5	0.6	0.6	0.9	0.7	0.8	0.5	0.5	0.4	0.4	0.3	0.5	1.1	3.0	0.3

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	2.3	1.6	2.4	1.9	1.6	1.2	0.9	1.0	1.5	1.3	0.7	0.9	0.8	0.6	1.1	0.9	0.9	1.1	0.8	0.8	1.0	0.8	0.6	0.8	1.1	2.4	0.6
2	0.8	0.7	0.7	0.6	0.5	0.4	0.7	0.5	0.6	0.9	0.4	0.4	0.4	0.6	0.3	0.6	1.2	0.7	0.8	1.1	0.9	1.2	1.1	0.7	0.7	1.2	0.3
3	0.8	1.3	2.8	1.9	2.4	2.9	2.3	2.5	1.4	1.6	1.5	3.8	5.4	5.5	4.6	4.0	3.4	3.4	3.0	2.0	1.1	1.5	1.0	1.0	2.5	5.5	0.8
4	1.0	1.2	1.0	1.0	0.7	0.7	0.8	0.8	0.7	0.8	0.9	2.0	5.5	6.1	6.4	5.6	5.4	4.4	1.2	0.6	0.5	0.9	0.7	1.4	2.1	6.4	0.5
5	1.3	0.4	0.6	0.5	0.6	0.5	0.5	0.6	0.6	0.6	0.7	0.9	1.8	4.3	4.7	4.6	3.0	1.3	0.4	1.1	0.8	0.3	0.3	0.2	1.3	4.7	0.2
6	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.6	0.3	0.4	0.3	0.4	0.7	0.3	0.5	1.2	0.9	0.5	1.1	0.6	0.7	1.2	0.6	0.8	0.5	1.2	0.2
7	0.9	1.2	1.1	1.4	1.1	0.9	1.1	0.6	0.6	0.4	0.8	0.5	0.2	2.3	2.8	1.1	0.8	0.7	0.8	1.0	1.4	0.8	0.8	0.8	1.0	2.8	0.2
8	0.7	0.8	0.5	0.5	2.8	3.8	3.4	2.6	2.5	1.4	4.6	5.9	6.7	5.3	4.8	5.2	3.3	1.1	1.2	1.2	1.0	0.7	0.7	0.3	2.5	6.7	0.3
9	0.3	0.8	1.1	0.8	1.1	2.8	3.4	4.5	4.4	2.5	1.1	2.8	1.5	1.2	1.8	1.9	1.9	1.3	0.9	0.2	0.2	0.2	0.3	0.3	1.6	4.5	0.2
10	0.5	0.3	0.8	1.3	1.0	1.0	1.1	0.8	1.1	0.6	0.8	4.6	5.3	4.5	4.8	3.6	5.3	1.7	1.3	2.3	1.3	1.7	1.0	1.1	2.0	5.3	0.3
11	2.5	4.0	6.4	8.4	6.8	4.3	5.2	5.0	1.6	1.4	6.3	11.5	9.2	8.5	6.6	7.6	7.2	6.0	4.9	4.2	3.2	3.3	2.6	1.7	5.3	11.5	1.4
12	1.1	2.5	1.8	2.3	2.9	5.8	5.2	4.2	5.0	6.8	8.9	12.9	12.7	9.8	11.5	12.8	12.2	10.1	9.9	9.0	6.2	7.0	4.9	2.7	7.0	12.9	1.1
13	2.4	2.8	1.4	3.6	4.5	2.1	1.8	4.3	3.6	7.3	11.9	12.0	13.7	14.9	14.2	10.6	9.6	10.7	7.3	7.4	7.4	7.0	7.2	3.0	7.1	14.9	1.4
14	2.7	4.3	4.2	3.0	2.0	1.2	1.8	1.4	1.5	1.7	1.5	4.7	5.7	5.4	4.2	3.2	3.2	7.2	8.1	8.9	10.5	9.3	9.0	8.6	4.7	10.5	1.2
15	8.6	8.8	7.3	8.2	4.3	2.6	2.5	2.2	2.0	1.0	0.8	1.2	1.0	3.4	5.3	5.2	6.0	6.9	5.7	2.5	2.6	2.1	2.1	1.3	3.9	8.8	0.8
16	2.1	4.2	4.8	4.2	7.2	8.3	6.4	8.1	7.4	8.2	7.3	9.1	8.0	8.6	10.2	12.1	11.8	10.3	11.1	11.5	10.4	6.5	7.7	4.8	7.9	12.1	2.1
17	5.0	3.3	2.4	2.3	3.1	2.0	7.4	8.1	7.2	7.1	8.3	8.7	8.8	8.5	10.8	11.0	8.4	7.1	4.2	4.5	7.4	9.2	9.0	10.5	6.8	11.0	2.0
18	11.8	10.2	8.6	9.8	9.1	10.8	7.5	4.4	2.9	4.7	8.4	7.7	5.7	3.9	4.2	3.2	2.4	7.0	5.1	7.7	5.9	5.8	6.5	5.3	6.6	11.8	2.4
19	4.6	4.8	8.9	9.1	8.1	8.9	11.0	9.0	9.4	10.9	12.4	11.1	10.3	10.4	11.4	9.9	9.9	8.8	6.5	4.8	6.0	6.2	1.9	1.5	8.2	12.4	1.5
20	4.3	3.3	1.9	2.7	2.3	1.6	1.5	1.4	0.8	1.0	1.9	1.5	2.0	4.9	3.8	4.1	3.7	3.4	5.6	5.9	5.7	5.9	4.1	4.0	3.2	5.9	0.8
21	4.4	6.1	6.3	6.1	4.0	3.2	3.2	2.6	3.4	7.4	9.4	9.1	7.2	6.6	5.1	3.5	1.8	2.3	0.8	2.6	2.0	4.1	2.8	4.6	4.5	9.4	0.8
22	3.0	2.5	2.8	1.2	1.9	3.3	2.7	2.2	1.7	0.4	0.6	0.4	2.5	3.3	3.8	2.4	2.5	1.4	1.0	2.4	2.6	1.2	2.3	3.2	2.1	3.8	0.4
23	1.8	1.8	1.7	1.4	0.9	0.3	0.7	2.1	1.4	5.1	6.8	6.8	7.0	7.5	7.2	8.0	7.4	5.7	5.7	4.8	4.5	4.0	3.3	4.0	4.2	8.0	0.3
24	3.3	3.0	2.2	3.1	3.1	3.0	3.3	4.0	3.2	2.7	1.0	0.5	0.7	0.5	0.7	0.8	0.7	0.5	0.3	0.2	0.2	0.2	1.5	3.0	1.7	4.0	0.2
25	2.9	3.3	5.6	5.0	4.1	3.7	2.4	1.8	1.3	1.0	0.6	0.8	1.8	2.8	3.5	2.4	1.2	1.8	1.5	1.9	1.1	0.8	0.9	0.9	2.2	5.6	0.6
26	0.5	0.4	0.5	0.4	0.8	0.3	0.4	0.4	0.9	0.3	0.4	0.7	0.3	0.4	0.9	1.2	0.9	0.9	1.3	1.3	1.4	0.8	1.2	0.8	0.7	1.4	0.3
27	0.5	0.3	0.5	0.7	0.6	0.7	0.5	0.4	0.5	0.5	0.8	0.7	3.6	2.6	3.1	3.5	2.5	0.3	1.0	4.3	5.7	6.3	5.1	5.7	2.1	6.3	0.3
28	4.3	5.2	4.7	3.4	2.5	4.5	5.2	5.0	4.9	5.8	5.7	5.5	5.7	7.8	7.7	6.0	4.9	4.1	2.3	1.8	2.7	2.3	1.9	2.5	4.4	7.8	1.8
Avg	2.7	2.8	3.0	3.0	2.9	2.9	3.0	2.9	2.6	3.0	3.7	4.5	4.8	5.0	5.2	4.9	4.4	4.0	3.4	3.4	3.4	3.3	2.9	2.7	3.5	7.1	0.8
Max	11.8	10.2	8.9	9.8	9.1	10.8	11.0	9.0	9.4	10.9	12.4	12.9	13.7	14.9	14.2	12.8	12.2	10.7	11.1	11.5	10.5	9.3	9.0	10.5	8.2	14.9	2.4
Min	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.2	0.3	0.3	0.6	0.7	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.5	1.2	0.2

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	2.7	3.7	3.7	3.3	1.9	1.7	3.1	5.3	6.1	7.5	8.7	8.0	7.3	8.2	9.1	8.8	7.2	6.9	6.2	5.1	4.7	3.8	4.0	2.8	5.4	9.1	1.7
2	0.9	1.1	0.4	0.4	0.4	0.8	0.7	0.4	0.2	0.2	0.9	0.6	1.7	4.4	4.2	2.9	3.3	3.4	3.5	3.5	2.3	2.0	2.5	3.6	1.8	4.4	0.2
3	3.5	3.7	3.2	2.8	3.1	2.0	2.4	2.6	3.6	4.6	5.5	4.5	2.2	0.9	2.8	6.5	6.2	5.0	4.4	2.3	1.7	3.4	1.6	2.0	3.4	6.5	0.9
4	2.1	2.7	1.8	1.7	1.7	3.1	3.0	5.5	5.5	6.1	7.0	8.2	8.4	7.5	7.4	5.2	5.7	3.4	3.2	1.2	1.1	1.6	1.2	1.5	4.0	8.4	1.1
5	1.9	1.5	1.3	1.6	1.5	2.6	1.6	2.9	2.6	5.7	3.7	6.1	7.1	5.4	8.1	6.5	7.5	6.8	5.2	3.6	3.9	5.4	4.4	3.6	4.2	8.1	1.3
6	2.4	5.8	5.0	5.6	3.6	4.1	3.9	7.0	2.9	1.6	5.8	7.1	7.7	6.0	4.6	5.9	6.8	5.6	4.2	4.8	4.2	2.2	1.3	1.2	4.6	7.7	1.2
7	0.8	0.7	1.5	1.2	3.6	2.7	3.1	3.5	5.1	4.9	6.9	7.5	7.4	7.2	7.3	7.4	6.2	5.0	1.6	3.6	4.4	2.3	1.3	0.8	4.0	7.5	0.7
8	0.9	1.0	1.9	2.3	1.9	1.8	0.9	1.6	1.0	1.0	1.2	1.1	3.2	4.7	2.9	2.4	3.2	2.2	2.3	2.3	3.4	3.2	4.6	1.1	2.2	4.7	0.9
9	1.4	5.4	2.4	3.0	6.2	3.3	2.1	3.0	4.5	6.3	7.6	6.7	5.0	5.1	7.6	5.9	4.3	6.7	5.3	2.0	0.3	3.5	4.6	5.9	4.5	7.6	0.3
10	6.3	3.7	1.7	3.1	1.9	0.6	1.5	0.5	0.7	0.5	0.2	2.2	0.6	1.2	1.7	1.3	1.1	1.7	3.8	3.5	0.9	0.7	1.3	2.1	1.8	6.3	0.2
11	2.6	4.1	1.7	2.3	1.6	0.9	1.1	1.3	0.7	0.5	0.4	1.4	2.6	3.4	3.9	2.8	3.0	3.4	2.6	1.1	2.1	1.8	2.0	1.9	2.0	4.1	0.4
12	2.7	1.7	1.5	1.1	1.1	1.5	1.1	0.9	0.5	0.8	0.8	Au	Au	Au	3.3	1.8	1.7	0.8	1.2	2.8	1.9	1.3	1.6	1.4	1.5	3.3	0.5
13	2.1	2.1	1.5	1.2	1.0	0.9	1.0	1.4	5.5	5.6	6.5	7.1	6.7	6.8	7.2	7.4	6.6	5.2	3.2	2.3	3.7	2.3	1.7	1.8	3.8	7.4	0.9
14	1.6	2.0	1.8	1.2	1.3	1.1	1.0	1.0	0.7	0.8	0.8	4.2	4.9	5.1	2.2	1.3	2.9	7.0	4.8	4.5	7.0	6.8	5.8	6.6	3.2	7.0	0.7
15	6.3	5.1	6.3	7.2	7.5	7.2	7.5	7.0	6.5	5.6	4.3	4.1	4.3	6.2	6.2	5.8	6.0	7.0	3.5	4.5	2.3	3.2	1.8	3.7	5.4	7.5	1.8
16	2.7	2.5	2.0	1.6	1.7	3.0	1.6	1.6	3.5	2.8	3.9	8.3	8.5	10.1	9.1	7.5	6.6	6.6	4.4	3.5	3.4	2.4	1.6	1.9	4.2	10.1	1.6
17	2.3	1.1	1.0	1.8	1.5	2.1	5.3	5.7	2.9	3.5	6.6	8.7	8.4	8.9	7.5	7.5	7.3	6.4	4.7	3.2	3.7	2.4	3.4	4.4	4.6	8.9	1.0
18	3.5	3.5	1.9	0.9	1.3	2.5	1.0	0.9	0.7	3.6	4.9	5.1	4.4	5.9	6.7	6.5	5.9	6.0	5.3	3.9	4.7	3.0	2.4	2.6	3.6	6.7	0.7
19	1.8	1.4	1.4	1.1	1.1	1.0	1.0	0.9	0.7	1.3	1.1	3.7	3.6	4.2	5.7	2.6	5.5	6.7	3.5	2.9	3.1	1.8	1.3	1.2	2.4	6.7	0.7
20	0.5	0.9	1.6	5.7	3.4	3.8	7.1	7.4	7.8	10.8	10.0	9.2	9.6	9.4	9.0	8.6	8.9	6.6	5.8	4.6	5.5	4.1	4.6	5.9	6.3	10.8	0.5
21	6.6	5.2	5.4	4.7	3.1	2.7	2.6	1.8	1.3	2.4	2.9	3.4	4.1	3.9	3.8	3.6	4.9	4.4	3.4	2.2	1.9	0.7	0.7	0.9	3.2	6.6	0.7
22	1.8	3.0	2.5	1.3	0.5	1.0	1.6	0.8	0.2	0.5	2.2	2.4	0.9	1.1	1.4	1.5	1.4	0.7	1.4	0.8	2.4	4.2	4.0	3.3	1.7	4.2	0.2
23	3.2	2.5	1.2	0.6	0.7	0.7	0.9	0.2	0.3	1.7	5.2	4.9	4.4	5.2	4.6	2.4	3.1	3.2	1.8	1.4	1.3	1.2	1.0	1.3	2.2	5.2	0.2
24	1.5	1.9	1.0	0.8	1.8	1.9	1.0	0.6	1.7	2.9	2.6	0.8	0.9	0.9	1.2	1.2	3.5	2.7	3.3	2.0	0.5	0.6	0.8	2.1	1.6	3.5	0.5
25	2.2	0.9	1.3	0.7	1.2	0.5	0.6	0.7	0.3	0.6	0.7	1.4	1.5	6.0	3.2	1.8	3.7	2.8	2.6	1.0	1.0	1.4	1.8	2.7	1.7	6.0	0.3
26	2.5	1.8	1.7	1.7	1.6	2.0	1.7	1.1	2.4	2.8	4.2	5.0	4.7	3.8	3.6	3.6	5.4	3.7	1.1	2.1	2.8	1.3	0.9	2.0	2.6	5.4	0.9
27	2.5	1.6	0.7	0.3	1.1	1.8	1.5	2.7	4.4	5.4	6.2	6.3	5.1	4.8	5.3	4.7	5.4	5.0	5.4	2.4	2.6	1.5	1.5	0.6	3.3	6.3	0.3
28	1.3	0.7	1.0	0.9	0.9	0.7	1.3	0.6	0.7	1.1	5.5	6.6	6.3	6.7	6.3	5.4	6.3	6.2	6.0	4.6	3.0	4.2	4.6	6.3	3.6	6.7	0.6
29	5.5	3.7	3.9	3.9	4.3	7.0	6.9	5.8	6.9	5.0	2.5	1.6	1.1	4.7	6.7	3.9	4.0	4.0	4.2	1.9	2.9	2.4	1.8	2.5	4.0	7.0	1.1
30	2.8	2.7	3.7	2.0	2.3	2.8	0.5	0.7	0.8	0.7	2.3	5.5	6.6	7.7	7.9	6.3	5.6	7.9	7.0	6.1	4.2	3.8	3.2	2.3	4.0	7.9	0.5
31	1.9	1.4	1.1	0.7	0.5	1.7	1.9	1.5	2.8	4.4	2.6	0.9	2.1	3.1	1.7	1.6	2.8	4.9	6.3	4.2	4.9	2.0	2.2	1.7	2.5	6.3	0.5
Avg	2.6	2.6	2.2	2.2	2.1	2.2	2.3	2.5	2.7	3.3	4.0	4.8	4.7	5.3	5.2	4.5	4.9	4.8	3.9	3.0	3.0	2.6	2.4	2.6	3.3	6.7	0.7
Max	6.6	5.8	6.3	7.2	7.5	7.2	7.5	7.4	7.8	10.8	10.0	9.2	9.6	10.1	9.1	8.8	8.9	7.9	7.0	6.1	7.0	6.8	5.8	6.6	6.3	10.8	1.8
Min	0.5	0.7	0.4	0.3	0.4	0.5	0.5	0.2	0.2	0.2	0.2	0.6	0.6	0.9	1.2	1.2	1.1	0.7	1.1	0.8	0.3	0.6	0.7	0.6	1.5	3.3	0.2

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

Day	<< Hour >>																								Prev
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	304	300	290	298	300	308	294	283	298	272	107	303	286	293	265	267	278	246	177	105	56	78	85	123	290
2	103	116	43	54	118	95	82	4	114	113	257	359	178	77	218	180	172	127	141	9	94	79	216	193	113
3	222	229	224	235	217	222	251	261	271	281	274	278	281	295	316	343	305	324	204	274	83	141	57	56	265
4	80	31	114	47	90	166	115	267	326	322	307	311	343	281	279	300	289	281	296	347	315	264	9	351	325
5	324	328	327	315	327	319	336	354	33	311	288	290	262	265	288	301	86	103	87	48	67	13	31	58	344
6	54	97	64	52	5	357	171	342	336	126	168	155	62	328	302	312	329	22	71	78	76	52	59	77	46
7	90	87	80	81	65	75	88	83	85	334	326	329	280	269	265	265	277	320	6	1	135	149	162	310	28
8	186	138	124	223	62	89	64	292	54	23	132	114	149	71	132	197	238	210	287	112	184	181	188	106	141
9	115	149	173	110	156	158	164	186	160	176	86	227	259	248	255	269	272	274	255	263	268	271	248	223	213
10	258	274	76	76	105	287	88	247	286	263	260	259	265	267	273	275	276	280	285	277	277	276	269	243	271
11	270	267	132	85	189	161	101	219	214	215	215	229	229	204	198	208	252	282	282	274	269	298	189	198	222
12	151	72	298	259	251	274	272	268	262	269	270	272	265	275	273	274	274	269	272	268	275	265	269	270	269
13	272	275	278	274	265	267	264	266	267	261	264	265	275	277	279	276	274	277	320	321	320	308	291	303	280
14	313	270	311	271	272	149	104	304	3	330	294	177	279	286	290	277	283	280	291	301	299	311	305	332	294
15	353	14	302	292	274	291	289	281	287	296	299	287	274	275	277	271	269	284	320	127	81	54	70	97	302
16	71	64	290	55	104	58	39	45	23	22	205	247	260	273	269	252	259	41	59	116	99	83	84	101	55
17	74	88	96	59	108	59	106	10	57	226	150	330	157	279	269	270	259	313	61	83	28	66	55	73	62
18	35	31	78	108	87	77	99	94	117	153	195	95	114	305	295	37	303	32	89	68	81	42	115	75	77
19	98	78	255	42	88	91	50	15	18	60	117	57	75	336	257	260	293	271	292	293	302	3	346	345	7
20	342	302	175	110	80	109	137	17	74	95	81	198	130	96	8	345	127	110	81	89	48	49	61	43	79
21	25	56	58	28	28	53	75	45	20	143	191	134	58	282	288	332	84	89	63	72	58	109	360	84	57
22	357	152	69	140	129	91	116	115	337	323	176	160	169	160	145	175	260	287	257	308	248	46	34	61	134
23	58	70	62	46	72	71	96	86	100	325	266	158	124	357	358	19	28	67	56	42	24	93	95	28	57
24	338	340	34	6	89	23	9	69	33	32	79	19	38	352	286	287	285	82	86	48	46	55	60	23	28
25	56	4	4	61	13	125	35	64	29	139	130	88	291	289	292	287	279	102	102	165	283	250	109	70	48
26	53	82	74	55	6	319	308	320	317	316	5	2	336	321	342	332	324	317	305	281	282	303	314	24	338
27	67	58	63	53	44	44	21	16	43	137	143	289	281	298	306	304	305	291	1	39	309	63	92	57	19
28	74	23	77	58	4	87	129	157	19	125	123	91	39	51	330	301	312	4	65	81	81	69	68	75	61
29	60	1	278	279	285	275	324	183	138	124	142	140	142	239	266	270	273	274	282	271	276	298	297	335	270
30	331	357	6	352	359	346	321	313	291	280	273	270	256	264	253	262	286	259	304	187	136	213	333	296	295
31	32	311	96	171	141	137	254	136	347	98	60	285	282	265	304	273	319	333	329	305	312	326	322	339	318
Prev	37	32	51	46	63	69	68	344	8	298	200	262	261	289	282	282	284	308	342	11	6	26	36	40	341

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

Day	<< Hour >>																								Prev
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	312	311	79	64	103	128	86	81	66	122	25	115	135	92	35	50	108	93	149	121	129	77	95	114	91
2	84	63	36	104	175	81	50	350	340	148	89	130	272	125	281	182	99	96	65	141	126	123	98	139	102
3	114	294	275	248	245	251	256	246	172	302	266	165	160	176	215	249	261	164	182	207	170	285	341	300	233
4	153	149	126	136	91	79	98	134	114	123	141	193	251	254	258	254	248	247	201	177	330	240	120	132	167
5	110	14	82	72	102	64	91	78	6	97	146	102	289	256	256	262	261	246	115	79	78	44	123	81	85
6	1	138	77	101	122	115	109	142	106	106	172	156	140	12	284	188	260	105	92	84	152	179	167	166	129
7	172	179	149	157	151	128	120	169	149	161	346	112	322	319	321	152	202	319	180	83	66	26	61	34	128
8	128	134	348	341	291	250	250	279	316	317	281	254	254	255	253	256	257	225	125	111	94	123	95	346	263
9	51	78	347	154	340	156	153	168	160	148	28	174	204	331	251	301	322	322	309	129	110	76	250	306	159
10	324	122	97	267	69	122	82	72	30	127	124	271	280	279	274	268	282	7	118	166	44	56	294	5	36
11	227	247	233	235	237	272	263	276	240	104	275	273	304	298	283	280	268	265	269	295	99	100	95	82	261
12	124	118	118	138	108	144	157	153	190	220	229	218	217	247	266	266	267	264	277	268	270	265	291	318	221
13	95	241	238	241	241	238	137	92	14	262	265	262	272	281	278	282	274	276	266	259	269	274	279	316	265
14	21	88	87	94	106	56	126	90	146	103	125	201	167	180	199	188	233	265	263	273	266	271	273	277	172
15	281	280	281	286	289	150	112	68	104	275	184	42	98	191	160	151	154	151	142	112	110	106	150	109	145
16	96	185	166	164	169	169	174	254	261	281	281	276	268	252	268	266	263	258	255	258	263	263	279	266	244
17	272	168	178	163	144	128	217	208	206	221	233	229	227	223	255	258	261	255	256	252	286	255	267	277	230
18	275	276	279	280	274	281	290	291	272	272	262	260	260	257	261	205	156	208	181	195	190	198	184	171	244
19	178	186	268	280	275	282	280	280	281	267	261	257	264	278	270	258	264	256	260	269	267	270	260	51	265
20	81	67	75	57	55	43	56	134	77	91	299	344	184	213	205	229	246	248	271	276	268	298	279	288	299
21	296	288	284	268	289	291	287	307	305	299	312	311	303	289	259	274	275	277	101	325	323	319	300	302	296
22	288	288	312	30	327	263	292	273	149	18	133	355	246	245	253	246	254	270	128	118	147	139	153	151	247
23	142	137	141	156	342	336	316	161	120	153	161	165	166	164	164	158	157	160	158	156	159	159	164	306	158
24	283	288	280	286	328	332	333	314	274	249	305	345	355	354	149	164	299	300	5	326	340	327	333	321	313
25	319	321	306	303	352	326	7	75	78	136	130	65	283	276	280	292	112	158	121	103	70	7	90	116	32
26	91	33	96	22	135	62	10	60	138	24	101	152	154	165	186	241	206	110	62	89	103	102	127	118	105
27	63	293	83	133	17	151	111	41	132	143	140	121	287	301	281	291	304	274	306	269	320	337	352	348	336
28	337	355	337	336	329	323	335	330	322	318	318	316	281	257	257	250	257	261	263	271	295	287	310	66	305
Prev	66	213	66	172	360	134	95	116	134	169	222	212	246	255	253	242	248	246	190	189	138	296	225	7	231

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

Day	<< Hour >>																								Prev
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	56	72	80	92	132	131	125	142	152	154	158	154	155	159	159	155	162	163	161	157	163	160	159	186	144
2	285	167	108	91	203	336	346	196	274	118	185	155	110	146	150	140	141	125	111	131	121	107	69	84	133
3	101	110	117	146	161	89	146	217	187	230	249	278	261	14	224	207	209	213	211	114	323	268	254	278	204
4	297	93	114	102	62	276	261	277	261	274	259	254	252	246	262	261	253	237	211	107	91	109	136	126	230
5	89	82	176	61	119	101	141	133	141	198	190	193	195	192	218	214	209	210	205	173	204	201	173	157	170
6	106	180	180	190	183	186	175	272	308	199	279	261	264	249	259	267	263	259	249	264	276	250	164	131	231
7	89	309	55	233	261	294	305	280	271	272	261	259	260	260	256	262	260	271	85	265	262	250	160	120	264
8	102	162	101	98	98	123	100	126	165	142	343	145	205	171	150	156	126	141	183	162	150	138	154	193	142
9	63	209	74	41	233	184	100	75	254	239	234	233	247	235	228	230	229	231	232	276	148	233	244	242	224
10	229	233	309	101	122	319	269	296	314	108	328	300	222	328	292	289	309	275	274	292	152	313	274	309	287
11	30	40	262	352	34	29	24	103	205	101	69	284	275	263	249	257	249	257	261	121	116	142	102	80	22
12	90	77	85	92	75	113	64	65	345	148	75	Au	Au	Au	263	274	249	204	101	98	106	150	141	162	108
13	133	107	118	124	100	100	26	42	261	264	273	275	289	308	290	281	282	289	283	141	96	101	105	110	121
14	85	88	80	43	84	107	169	128	96	113	166	277	299	295	274	6	246	257	256	277	279	283	289	281	270
15	283	292	288	288	291	285	281	289	292	279	277	278	278	257	252	264	273	276	257	268	262	301	30	81	281
16	79	88	93	82	73	79	111	66	61	77	259	273	264	265	267	260	258	258	258	242	244	241	132	114	188
17	89	42	9	10	67	349	283	286	274	280	297	323	322	315	318	315	310	320	316	311	297	327	295	315	322
18	305	314	311	52	103	85	27	141	37	270	280	281	292	274	283	277	281	293	291	270	282	257	91	100	301
19	99	105	96	58	117	114	103	83	16	98	29	243	240	225	231	256	284	286	266	264	238	194	174	291	192
20	231	14	299	281	270	262	273	250	267	264	277	280	274	284	282	285	293	295	291	299	298	296	300	299	283
21	305	313	303	297	306	285	300	71	115	232	251	259	254	247	253	251	249	254	257	276	276	89	338	3	279
22	316	294	302	216	92	85	104	84	230	67	104	168	11	355	261	290	11	73	146	112	141	156	150	150	110
23	155	163	144	339	285	27	147	166	169	356	280	266	255	253	252	320	269	260	248	158	113	75	286	42	240
24	64	71	166	74	86	75	39	356	229	258	256	250	52	164	153	216	266	262	290	265	162	333	56	121	160
25	122	81	87	74	124	106	104	153	101	112	102	105	73	206	161	105	177	165	177	144	130	90	95	57	117
26	71	76	102	83	111	111	61	66	278	242	254	255	252	280	278	281	263	234	286	272	272	248	280	286	268
27	281	296	315	155	113	135	114	149	154	147	147	146	152	152	228	275	288	291	302	283	284	301	293	340	228
28	265	341	263	143	108	142	164	122	85	89	271	263	250	225	217	209	217	206	198	196	178	180	196	200	197
29	201	176	225	214	160	189	193	207	209	243	312	154	169	273	283	297	263	246	244	44	203	98	77	81	211
30	74	90	91	88	57	62	1	52	320	94	214	303	319	2	339	337	328	321	337	334	343	333	329	308	360
31	295	280	189	245	257	148	140	152	162	149	147	56	308	199	136	108	119	162	153	145	157	107	100	123	154
Prev	79	83	105	88	113	102	104	126	231	184	252	250	259	251	246	260	255	247	242	222	201	204	152	119	220

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

A-7

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

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

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

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

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

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

A-10

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	-2.1	-2.1	-1.8	-2.1	-2.9	-3.0	-3.4	-3.9	-4.3	-4.5	-4.3	-3.2	-2.7	-2.5	-1.9	-1.9	-2.2	-4.3	-5.5	-8.6	-11.1	-12.5	-13.3	-14.3	-4.9	-1.8	-14.3
2	-14.3	-13.8	-14.8	-14.1	-14.2	-13.9	-12.6	-11.7	-10.7	-9.5	-8.6	-6.4	-3.5	-1.1	1.2	0.9	-0.4	-1.5	-1.9	-1.2	-1.3	-0.4	2.8	3.6	-6.1	3.6	-14.8
3	4.3	4.6	4.6	5.2	4.9	4.2	2.7	2.6	1.5	0.0	-0.8	-1.1	-1.2	-2.5	-4.7	-5.7	-6.4	-7.3	-10.0	-12.2	-12.1	-13.3	-14.2	-15.4	-3.0	5.2	-15.4
4	-16.8	-17.0	-17.4	-17.9	-17.1	-16.1	-15.4	-14.8	-13.7	-11.4	-11.6	-12.8	-13.1	-13.6	-14.3	-14.4	-14.8	-14.9	-14.9	-14.8	-15.1	-16.3	-17.0	-18.8	-15.2	-11.4	-18.8
5	-19.2	-19.6	-20.1	-20.7	-21.3	-22.0	-22.8	-23.2	-23.4	-23.3	-23.8	-23.3	-22.9	-22.1	-20.9	-20.5	-21.1	-24.7	-26.8	-28.0	-28.6	-28.9	-29.1	-28.9	-23.5	-19.2	-29.1
6	-29.2	-28.6	-28.6	-26.7	-25.2	-24.1	-22.2	-19.1	-16.6	-16.0	-14.6	-12.6	-9.1	-5.7	-3.8	-3.3	-3.4	-4.5	-5.2	-5.7	-5.4	-6.4	-6.4	-6.1	-13.7	-3.3	-29.2
7	-6.3	-5.7	-5.6	-5.2	-4.3	-4.0	-6.0	-6.6	-5.2	-3.8	-3.4	-2.7	-1.3	-0.6	-1.1	-1.7	-2.0	-2.5	-3.1	-3.6	-5.0	-6.2	-6.1	-6.1	-4.1	-0.6	-6.6
8	-6.7	-6.7	-6.6	-6.6	-6.0	-5.5	-5.2	-4.8	-4.7	-4.1	-3.8	-2.5	-1.1	-0.7	-0.3	0.2	0.1	-0.8	-2.9	-2.5	-1.2	-1.2	-1.0	-2.6	-3.2	0.2	-6.7
9	-3.0	-2.7	-1.3	-1.2	-1.0	-2.0	-2.1	-2.6	-2.7	-2.1	-2.0	-1.3	-0.9	-1.0	-0.6	-1.0	-1.9	-2.7	-4.0	-4.8	-5.0	-4.9	-5.1	-5.4	-2.6	-0.6	-5.4
10	-5.3	-5.4	-6.3	-6.4	-6.7	-6.9	-6.8	-4.4	-3.2	-2.2	-1.5	-0.8	-0.4	-0.4	-0.3	0.0	-0.1	-0.4	-0.7	-0.3	-0.3	-0.4	-0.7	-1.0	-2.5	0.0	-6.9
11	-0.8	-0.7	-1.0	-1.7	0.7	1.0	1.6	2.7	3.5	4.1	5.5	6.7	6.3	4.5	3.9	3.2	1.4	-1.4	-1.0	-0.9	-1.3	-1.8	-3.6	-5.9	1.0	6.7	-5.9
12	-5.9	-5.4	-4.9	-3.5	-2.9	-2.6	-2.5	-2.5	-2.4	-2.3	-2.1	-2.1	-2.5	-2.2	-2.2	-2.6	-2.9	-3.4	-3.6	-3.5	-2.8	-2.2	-1.9	-1.3	-2.9	-1.3	-5.9
13	-0.8	-0.1	0.4	0.6	0.8	1.4	1.8	2.1	2.3	2.4	3.0	3.1	3.3	2.9	2.6	2.4	2.1	1.3	-1.8	-3.4	-4.2	-4.8	-5.1	-5.5	0.3	3.3	-5.5
14	-5.7	-5.9	-5.8	-5.9	-6.1	-7.1	-6.8	-6.8	-6.3	-4.6	-2.1	-1.8	-0.7	0.6	1.0	1.3	0.7	-0.1	-0.8	-0.2	-1.0	-0.7	-0.3	-0.6	-2.7	1.3	-7.1
15	-1.3	-1.0	0.0	1.2	1.4	1.0	1.6	2.5	2.6	2.3	3.0	2.9	2.3	2.3	2.8	3.6	3.1	2.2	0.5	-0.1	-3.2	-3.2	-2.4	-4.4	0.8	3.6	-4.4
16	-4.3	-5.1	-4.5	-4.8	-6.4	-8.2	-10.0	-10.9	-12.5	-12.0	-10.8	-7.6	-0.7	1.7	2.3	2.4	0.6	-2.0	-5.4	-6.9	-9.4	-10.2	-10.8	-11.5	-6.1	2.4	-12.5
17	-12.0	-12.0	-12.4	-12.6	-13.4	-13.3	-13.9	-14.3	-14.3	-14.5	-12.5	-9.9	-4.6	1.0	4.1	4.8	3.9	2.1	-0.9	-3.9	-6.3	-7.2	-9.0	-10.7	-7.6	4.8	-14.5
18	-12.0	-12.1	-12.5	-13.6	-14.2	-13.7	-13.9	-14.4	-14.2	-13.2	-12.1	-10.0	-7.3	1.5	4.1	4.1	3.4	2.8	-1.5	-4.7	-6.5	-7.3	-8.4	-9.1	-7.7	4.1	-14.4
19	-10.3	-9.6	-9.8	-8.7	-6.9	-5.1	-4.7	-4.5	-3.4	-3.9	-4.1	-3.7	-1.6	2.3	5.2	5.0	5.2	5.0	4.5	3.9	3.1	0.9	0.4	-0.9	-1.7	5.2	-10.3
20	-1.8	-2.9	-6.6	-7.7	-10.6	-11.8	-14.0	-15.1	-15.9	-15.2	-13.7	-12.0	-8.5	-5.7	-1.2	-0.1	-1.6	-5.4	-8.3	-10.6	-11.7	-13.0	-13.7	-14.1	-9.2	-0.1	-15.9
21	-14.5	-14.8	-14.8	-14.6	-14.0	-14.2	-14.5	-14.4	-14.6	-13.8	-10.9	-7.3	-1.0	2.5	4.1	3.0	1.2	-1.3	-3.6	-4.9	-5.4	-4.9	-4.6	-3.7	-7.5	4.1	-14.8
22	-4.1	-3.0	-3.1	-3.1	-3.5	-3.9	-3.5	-3.5	-3.4	-3.1	-2.7	-2.2	-2.1	-2.6	-3.2	-2.7	-2.6	-3.1	-4.3	-5.9	-6.5	-7.7	-8.8	-10.8	-4.1	-2.1	-10.8
23	-12.3	-14.3	-15.7	-15.3	-15.9	-17.0	-17.3	-16.1	-14.7	-13.5	-12.0	-10.8	-7.5	-5.4	-4.4	-4.0	-4.4	-6.1	-7.4	-7.8	-8.3	-9.2	-9.7	-9.3	-10.8	-4.0	-17.3
24	-8.3	-7.2	-7.0	-8.8	-9.1	-10.7	-9.8	-10.4	-9.9	-10.1	-8.1	-5.1	0.6	2.1	3.5	3.5	2.7	0.7	-4.3	-5.9	-8.1	-8.7	-9.5	-9.9	-5.7	3.5	-10.7
25	-10.2	-11.1	-10.4	-11.7	-11.0	-11.3	-11.9	-11.1	-10.8	-10.2	-8.7	-4.6	1.4	4.4	4.6	4.6	3.7	2.1	-2.0	-0.1	2.7	0.4	-1.3	-3.7	-4.4	4.6	-11.9
26	-3.4	-3.1	-3.0	-1.4	-0.7	0.0	-1.2	-0.7	-1.9	-2.1	-4.7	-7.6	-8.2	-8.8	-9.5	-10.1	-11.0	-11.9	-12.5	-12.8	-13.3	-13.5	-13.6	-14.0	-7.0	0.0	-14.0
27	-15.2	-17.3	-19.1	-21.3	-23.3	-24.7	-25.9	-26.6	-27.1	-26.8	-24.2	-16.4	-10.1	-9.6	-9.9	-10.2	-10.7	-11.8	-13.1	-13.7	-17.9	-21.0	-22.8	-24.6	-18.5	-9.6	-27.1
28	-24.7	-26.1	-26.0	-27.1	-27.6	-26.2	-25.2	-24.0	-22.7	-21.2	-19.1	-16.4	-7.8	-5.0	-4.0	-2.8	-3.4	-4.1	-5.6	-8.3	-8.5	-5.9	-5.3	-6.8	-14.7	-2.8	-27.6
29	-5.7	-3.6	-0.5	0.0	0.2	0.4	-0.2	-1.3	-2.2	-1.9	-1.8	-1.6	-1.2	-0.6	-0.5	0.2	0.3	0.1	0.0	-0.1	-0.3	-1.2	-2.6	-5.1	-1.2	0.4	-5.7
30	-7.4	-8.5	-9.8	-11.6	-12.7	-13.7	-14.6	-15.3	-16.2	-16.7	-16.9	-16.6	-16.6	-16.7	-16.7	-16.5	-16.5	-16.7	-16.9	-16.8	-16.6	-16.5	-16.3	-16.1	-15.0	-7.4	-16.9
31	-15.9	-15.8	-15.3	-15.2	-14.8	-14.7	-16.2	-17.4	-17.5	-15.9	-13.0	-9.7	-7.9	-7.9	-8.0	-8.8	-10.2	-11.5	-11.7	-12.8	-13.5	-14.3	-15.1	-15.1	-13.3	-7.9	-17.5
Avg	-8.9	-8.9	-9.0	-9.1	-9.2	-9.3	-9.5	-9.4	-9.2	-8.7	-7.8	-6.4	-4.2	-2.9	-2.2	-2.2	-2.8	-4.1	-5.6	-6.5	-7.2	-7.8	-8.2	-9.0	-7.0	-0.6	-13.5
Max	4.3	4.6	4.6	5.2	4.9	4.2	2.7	2.7	3.5	4.1	5.5	6.7	6.3	4.5	5.2	5.0	5.2	5.0	4.5	3.9	3.1	0.9	2.8	3.6	1.0	6.7	-4.4
Min	-29.2	-28.6	-28.6	-27.1	-27.6	-26.2	-25.9	-26.6	-27.1	-26.8	-24.2	-23.3	-22.9	-22.1	-20.9	-20.5	-21.1	-24.7	-26.8	-28.0	-28.6	-28.9	-29.1	-28.9	-23.5	-19.2	-29.2

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	-16.7	-17.8	-20.5	-23.0	-24.5	-25.8	-26.2	-28.3	-28.0	-27.8	-25.7	-23.2	-20.7	-18.4	-14.4	-13.5	-14.5	-17.4	-20.3	-22.8	-23.8	-25.8	-26.0	-26.9	-22.2	-13.5	-28.3
2	-26.9	-27.2	-26.9	-26.3	-25.2	-24.2	-22.8	-21.0	-19.3	-17.2	-16.2	-14.5	-13.3	-11.5	-10.8	-9.9	-8.7	-8.9	-9.7	-10.3	-9.8	-10.1	-10.2	-10.6	-16.3	-8.7	-27.2
3	-11.2	-12.0	-13.5	-14.0	-14.3	-15.1	-15.0	-15.7	-15.3	-14.7	-14.7	-14.7	-15.2	-15.9	-16.7	-17.7	-17.8	-17.9	-18.7	-19.4	-21.5	-22.0	-22.8	-23.1	-16.7	-11.2	-23.1
4	-24.3	-25.7	-27.1	-27.5	-28.7	-29.4	-30.0	-29.9	-29.4	-29.1	-26.6	-24.5	-23.7	-23.6	-23.8	-23.7	-24.7	-25.7	-26.8	-27.8	-28.1	-27.6	-28.1	-30.1	-26.9	-23.6	-30.1
5	-31.4	-32.6	-33.4	-33.9	-34.8	-35.6	-36.4	-36.6	-36.9	-35.8	-34.5	-31.6	-27.7	-26.5	-26.2	-26.2	-26.7	-28.2	-29.8	-32.6	-34.4	-35.5	-36.0	-37.0	-32.5	-26.2	-37.0
6	-37.7	-37.9	-38.5	-38.6	-38.8	-39.0	-39.3	-39.1	-39.7	-38.0	-36.4	-33.9	-30.6	-26.9	-24.7	-23.3	-23.8	-25.6	-28.5	-30.8	-31.8	-32.2	-33.1	-33.2	-33.4	-23.3	-39.7
7	-33.3	-32.0	-30.3	-27.2	-24.1	-21.2	-19.0	-17.8	-16.5	-15.4	-13.8	-12.2	-10.6	-10.0	-9.1	-8.7	-9.2	-9.4	-12.6	-16.3	-19.1	-20.8	-22.2	-21.8	-18.0	-8.7	-33.3
8	-20.8	-18.8	-18.5	-17.1	-16.8	-18.9	-19.7	-19.5	-19.2	-18.5	-18.0	-18.5	-18.7	-18.7	-18.0	-18.7	-19.3	-20.3	-22.3	-25.0	-26.3	-26.7	-26.8	-26.4	-20.5	-16.8	-26.8
9	-26.2	-25.0	-23.6	-22.3	-21.1	-19.5	-19.2	-19.2	-19.5	-18.8	-18.2	-15.7	-14.5	-13.9	-13.3	-13.1	-13.5	-13.6	-13.4	-13.2	-12.9	-12.7	-12.3	-12.2	-17.0	-12.2	-26.2
10	-11.9	-11.0	-10.5	-10.0	-9.8	-10.3	-10.8	-12.1	-12.2	-11.6	-9.5	-4.9	-3.7	-2.9	-1.9	-1.9	-1.4	-2.5	-3.2	-3.0	-2.9	-3.3	-3.0	-2.3	-6.5	-1.4	-12.2
11	-1.3	-0.6	-0.6	-0.3	-0.5	-0.6	-0.5	-0.2	-1.1	-1.6	0.1	-0.9	-1.9	-2.8	-2.0	-1.3	-1.9	-2.9	-4.0	-5.0	-8.4	-11.6	-14.1	-15.3	-3.3	0.1	-15.3
12	-16.1	-15.0	-12.6	-10.5	-6.7	-2.5	-1.2	-0.5	0.1	1.1	2.3	2.7	2.6	4.1	4.1	4.2	3.9	2.8	2.4	1.8	1.5	1.3	0.6	0.0	-1.2	4.2	-16.1
13	-1.3	-0.5	0.5	0.0	0.1	0.3	-2.7	-4.1	-2.3	0.8	2.0	2.1	2.5	1.9	1.0	0.3	-1.1	-1.9	-2.9	-2.5	-2.4	-2.6	-2.9	-4.2	-0.8	2.5	-4.2
14	-5.9	-8.7	-9.5	-10.9	-10.6	-11.3	-10.8	-11.1	-10.3	-9.2	-6.9	-2.7	-1.7	-0.8	-0.3	-0.1	0.5	1.0	0.9	1.0	0.6	0.3	-0.2	-0.6	-4.5	1.0	-11.3
15	-0.8	-0.8	-1.2	-1.3	-1.9	-4.7	-7.3	-10.2	-11.3	-10.6	-8.8	-4.7	-0.4	1.1	1.4	1.4	1.9	1.7	-0.1	-1.3	-0.2	0.6	1.1	1.9	-2.3	1.9	-11.3
16	3.2	4.9	4.5	4.6	4.8	4.6	4.5	2.1	-0.1	-0.6	-1.2	-1.0	-1.2	-0.8	-1.4	-2.2	-2.5	-2.6	-3.4	-3.8	-3.6	-3.9	-4.0	-3.7	-0.1	4.9	-4.0
17	-3.1	-3.3	-4.3	-4.1	-5.5	-5.2	-1.6	-1.8	-1.8	-0.8	0.1	1.1	2.2	3.0	3.8	3.3	2.8	2.2	1.8	1.9	0.6	-0.7	-0.7	-0.9	-0.5	3.8	-5.5
18	-1.7	-2.3	-3.0	-3.9	-4.3	-4.6	-4.5	-5.2	-5.0	-4.2	-3.3	-2.6	-2.5	-2.2	-1.0	-0.3	-0.4	0.9	0.2	0.6	0.3	0.9	0.8	0.9	-1.9	0.9	-5.2
19	1.2	1.0	0.5	-2.1	-1.7	-2.4	-3.5	-4.3	-4.7	-5.1	-5.1	-4.8	-4.3	-4.1	-4.5	-4.9	-4.7	-5.9	-6.8	-6.7	-6.9	-6.9	-8.3	-10.3	-4.4	1.2	-10.3
20	-12.3	-13.2	-15.5	-17.0	-17.9	-19.6	-20.2	-21.0	-20.8	-18.8	-9.9	-6.5	-5.8	-5.5	-5.2	-4.6	-4.6	-4.4	-4.3	-4.4	-4.7	-5.0	-4.9	-4.9	-10.5	-4.3	-21.0
21	-4.9	-5.1	-5.4	-6.0	-6.5	-7.0	-6.8	-7.1	-7.0	-6.1	-5.7	-5.6	-5.4	-5.3	-6.2	-6.9	-7.4	-7.3	-7.8	-8.2	-9.3	-9.3	-10.9	-11.5	-7.0	-4.9	-11.5
22	-13.1	-16.0	-14.8	-15.7	-14.8	-14.3	-14.6	-16.4	-18.2	-17.6	-16.1	-14.4	-12.2	-11.3	-10.7	-10.5	-10.6	-11.2	-12.0	-12.2	-12.6	-12.6	-12.7	-13.3	-13.7	-10.5	-18.2
23	-13.3	-13.8	-14.1	-14.7	-15.0	-15.2	-15.4	-15.8	-15.8	-15.3	-14.9	-14.5	-13.8	-13.6	-14.0	-14.6	-14.9	-15.0	-15.1	-15.2	-15.3	-15.4	-15.4	-17.8	-14.9	-13.3	-17.8
24	-18.8	-19.4	-19.7	-19.5	-19.1	-18.9	-18.8	-19.1	-19.5	-19.8	-19.0	-18.0	-16.7	-15.5	-14.8	-14.2	-13.6	-13.8	-13.9	-13.9	-13.8	-13.8	-13.8	-14.3	-16.7	-13.6	-19.8
25	-14.3	-14.3	-14.3	-13.9	-14.1	-16.6	-19.5	-22.1	-24.0	-24.0	-20.9	-17.1	-14.9	-13.2	-12.3	-11.7	-12.1	-14.4	-16.6	-19.6	-22.5	-23.5	-24.2	-24.9	-17.7	-11.7	-24.9
26	-25.8	-26.3	-26.9	-27.2	-26.7	-27.3	-27.1	-26.1	-24.8	-23.2	-19.7	-16.0	-12.2	-7.8	-4.3	-3.2	-3.8	-6.2	-10.2	-13.5	-15.1	-15.7	-16.5	-17.0	-17.6	-3.2	-27.3
27	-16.8	-15.0	-14.4	-12.6	-12.7	-12.6	-13.3	-13.9	-12.7	-10.3	-7.9	-3.8	1.8	1.7	2.5	2.1	0.5	0.0	0.1	-1.0	-2.7	-4.5	-7.0	-9.1	-6.7	2.5	-16.8
28	-10.6	-11.7	-12.8	-13.4	-14.0	-14.9	-16.4	-17.3	-17.6	-17.4	-17.3	-17.1	-17.9	-19.1	-19.2	-19.7	-20.0	-20.4	-21.0	-21.5	-22.3	-22.9	-23.0	-22.9	-17.9	-10.6	-23.0
Avg	-14.1	-14.3	-14.5	-14.6	-14.5	-14.7	-14.9	-15.5	-15.5	-14.7	-13.1	-11.3	-10.0	-9.2	-8.6	-8.6	-8.8	-9.5	-10.6	-11.6	-12.4	-12.9	-13.4	-14.0	-12.6	-7.0	-19.6
Max	3.2	4.9	4.5	4.6	4.8	4.6	4.5	2.1	0.1	1.1	2.3	2.7	2.6	4.1	4.1	4.2	3.9	2.8	2.4	1.9	1.5	1.3	1.1	1.9	-0.1	4.9	-4.0
Min	-37.7	-37.9	-38.5	-38.6	-38.8	-39.0	-39.3	-39.1	-39.7	-38.0	-36.4	-33.9	-30.6	-26.9	-26.2	-26.2	-26.7	-28.2	-29.8	-32.6	-34.4	-35.5	-36.0	-37.0	-33.4	-26.2	-39.7

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	-23.2	-23.7	-23.9	-24.2	-24.4	-24.4	-25.0	-25.8	-26.5	-27.1	-27.2	-27.1	-26.6	-26.2	-25.9	-26.0	-26.5	-27.1	-28.3	-27.8	-27.4	-26.8	-26.3	-26.0	-26.0	-23.2	-28.3
2	-25.6	-25.5	-25.1	-24.8	-24.5	-24.0	-23.9	-23.7	-22.7	-21.3	-19.3	-16.6	-11.0	-5.4	-4.3	-3.6	-2.5	-2.1	-1.4	-1.5	-1.2	-0.6	-1.4	-0.3	-13.0	-0.3	-25.6
3	-0.2	-0.1	-0.4	-0.7	-1.3	-1.1	-2.4	-0.1	0.3	1.8	2.3	2.5	2.8	3.1	4.0	4.4	3.3	3.2	3.5	3.2	2.8	1.8	1.6	1.1	1.5	4.4	-2.4
4	0.9	-0.1	-0.8	-1.1	-1.2	0.6	1.0	0.9	0.6	1.5	1.9	2.0	2.4	2.6	2.5	2.3	2.2	1.8	0.7	-0.6	-1.9	-2.9	-3.5	-3.2	0.4	2.6	-3.5
5	-1.1	-0.4	-1.6	-0.7	-1.3	-1.4	-2.4	-1.3	0.2	2.6	3.5	4.7	5.2	5.7	5.8	4.9	5.0	5.1	4.8	4.4	4.9	4.2	3.4	3.7	2.4	5.8	-2.4
6	2.9	5.0	5.4	5.7	5.6	6.1	5.6	3.6	2.4	2.7	3.7	3.7	3.6	3.3	3.4	3.8	3.6	3.2	2.5	1.8	1.7	0.9	-0.8	-1.4	3.3	6.1	-1.4
7	-1.5	-1.7	-0.7	-0.4	-0.1	-0.8	-0.7	-0.6	0.3	0.6	1.3	1.9	2.1	2.4	2.6	2.8	2.6	2.2	1.5	1.3	0.6	-0.4	-2.6	-3.3	0.4	2.8	-3.3
8	-4.3	-3.6	-3.8	-5.2	-7.1	-8.1	-9.5	-9.8	-9.3	-7.7	-5.0	-1.0	3.1	4.3	4.3	4.2	4.9	4.5	5.0	4.6	4.8	4.1	5.0	3.9	-0.9	5.0	-9.8
9	5.1	6.2	5.5	5.3	6.7	6.2	5.9	5.4	7.4	7.3	7.4	7.9	8.4	8.8	8.8	8.2	8.2	8.0	7.6	6.9	5.7	6.2	6.4	6.0	6.9	8.8	5.1
10	5.9	4.7	3.2	1.7	1.0	0.4	0.4	0.3	0.1	0.2	0.2	0.1	0.2	0.3	0.3	0.3	0.3	0.2	-0.1	-0.5	-0.8	-1.1	-1.3	-1.4	0.6	5.9	-1.4
11	-1.4	-1.8	-2.2	-2.8	-3.6	-5.4	-7.6	-8.6	-9.0	-8.4	-6.3	-2.8	-1.5	-0.7	-0.3	-0.2	0.2	0.0	-0.7	-2.3	-5.7	-6.8	-7.0	-6.1	-3.8	0.2	-9.0
12	-9.7	-11.0	-11.5	-12.0	-12.0	-11.4	-11.9	-11.3	-10.9	-8.3	-4.6	Au	Au	Au	2.0	2.6	2.7	1.8	-1.4	-3.1	-4.6	-5.9	-7.4	-8.4	-6.5	2.7	-12.0
13	-8.6	-8.8	-10.2	-11.0	-12.4	-12.5	-13.1	-9.9	-3.2	1.3	2.5	2.9	3.3	3.1	3.5	3.9	4.1	3.8	2.9	-0.8	-2.4	-4.3	-5.6	-7.7	-3.3	4.1	-13.1
14	-8.3	-9.2	-9.7	-10.4	-10.9	-11.8	-11.8	-11.5	-10.7	-8.1	-0.6	2.5	3.2	3.2	3.1	2.3	2.4	3.0	2.5	2.3	1.5	0.2	-0.1	-0.5	-3.2	3.2	-11.8
15	-1.4	-2.5	-2.3	-2.2	-2.1	-2.1	-2.1	-2.2	-1.5	-1.2	-0.6	0.4	1.2	1.9	2.2	2.4	2.7	2.8	1.8	1.9	1.8	1.0	-0.3	-1.8	-0.1	2.8	-2.5
16	-4.6	-6.4	-6.2	-6.7	-6.6	-5.1	-4.8	-4.7	-1.5	2.6	5.3	7.3	7.9	8.7	9.1	9.1	8.9	8.3	8.0	7.3	6.8	5.8	3.1	0.1	2.2	9.1	-6.7
17	-1.3	-3.4	-4.2	-3.1	-3.2	-3.3	1.3	1.8	1.3	0.7	0.9	0.0	-0.6	-1.3	-1.5	-2.2	-2.3	-2.5	-2.7	-2.5	-2.8	-3.0	-3.0	-3.3	-1.7	1.8	-4.2
18	-4.7	-5.0	-5.4	-5.4	-6.8	-6.8	-7.0	-6.9	-5.8	-4.4	-3.5	-3.1	-3.0	-2.5	-2.1	-2.1	-2.4	-2.4	-2.9	-4.0	-4.9	-5.7	-8.6	-11.6	-4.9	-2.1	-11.6
19	-14.6	-15.0	-15.8	-16.4	-16.2	-16.2	-15.5	-15.2	-14.1	-9.8	-4.3	-1.5	-0.8	-0.3	0.6	1.2	2.2	1.9	1.7	0.9	0.2	-2.9	-4.3	-2.2	-6.5	2.2	-16.4
20	-2.1	-2.7	-3.9	-2.4	-2.4	-1.9	-2.6	-3.2	-3.5	-3.5	-3.5	-3.3	-3.2	-2.8	-2.7	-2.7	-3.0	-4.0	-4.7	-5.2	-5.5	-5.7	-5.6	-6.4	-3.6	-1.9	-6.4
21	-7.6	-8.3	-9.0	-10.0	-11.4	-12.6	-14.0	-14.8	-15.2	-13.0	-10.6	-9.6	-8.9	-8.0	-7.2	-7.1	-8.2	-10.6	-12.4	-12.6	-12.5	-12.4	-12.2	-12.2	-10.9	-7.1	-15.2
22	-12.5	-13.4	-14.8	-16.1	-17.3	-18.7	-20.4	-20.3	-19.2	-16.9	-12.5	-10.6	-9.7	-8.5	-7.4	-6.5	-6.0	-5.9	-7.4	-7.4	-8.0	-8.2	-8.5	-8.6	-11.9	-5.9	-20.4
23	-8.7	-8.8	-9.0	-9.1	-8.9	-9.0	-8.8	-8.6	-8.2	-6.3	-5.0	-5.2	-4.8	-3.9	-3.5	-3.2	-2.2	-2.7	-4.6	-6.4	-8.9	-11.1	-12.2	-11.9	-7.1	-2.2	-12.2
24	-12.0	-11.9	-11.7	-11.8	-12.2	-11.9	-11.6	-11.1	-10.3	-9.7	-9.0	-7.9	-6.5	-5.4	-4.4	-3.7	-5.0	-6.7	-8.5	-10.4	-11.5	-12.0	-10.9	-9.2	-9.4	-3.7	-12.2
25	-9.3	-9.4	-9.5	-11.6	-12.4	-13.7	-13.8	-13.5	-12.2	-11.0	-6.9	-2.5	3.6	8.1	7.5	8.0	8.7	7.2	6.3	4.8	3.7	2.7	1.5	0.4	-2.6	8.7	-13.8
26	-0.6	0.5	-0.3	-1.3	-2.4	-2.2	-3.1	-3.1	-0.8	1.2	2.3	3.2	3.7	3.9	4.2	4.1	3.3	1.5	0.9	0.0	-1.8	-2.2	-2.4	-2.3	0.3	4.2	-3.1
27	-2.5	-2.6	-2.3	-2.3	-2.2	-1.7	-1.7	-1.7	-1.3	-1.1	-0.7	-0.5	-0.7	-0.3	-1.6	-2.1	-2.2	-2.9	-3.9	-5.1	-5.6	-5.9	-5.6	-5.6	-2.6	-0.3	-5.9
28	-5.7	-5.5	-5.3	-5.1	-5.1	-5.0	-6.6	-6.8	-5.3	-2.4	-0.2	1.1	1.8	2.6	3.4	4.4	5.0	5.0	4.7	4.2	4.1	3.9	4.3	4.4	-0.2	5.0	-6.8
29	4.5	4.6	4.9	4.4	4.1	5.2	5.4	5.1	3.9	2.4	0.9	0.7	1.1	1.4	0.9	1.2	1.5	1.5	1.5	1.1	0.8	-0.2	-0.5	-0.9	2.3	5.4	-0.9
30	-1.4	-1.8	-1.9	-2.3	-2.4	-2.7	-3.3	-3.8	-4.0	-2.6	0.0	0.7	1.1	0.6	-0.1	-0.5	-1.0	-2.8	-3.8	-4.1	-4.2	-4.4	-4.3	-4.2	-2.2	1.1	-4.4
31	-4.1	-4.2	-4.4	-4.6	-4.7	-4.8	-4.2	-4.2	-3.9	-3.4	-2.7	-1.6	-0.8	-0.8	-1.1	-1.4	-0.3	-1.1	-2.8	-3.1	-4.0	-4.1	-4.4	-4.8	-3.1	-0.3	-4.8
Avg	-5.1	-5.3	-5.7	-6.0	-6.4	-6.5	-6.7	-6.6	-5.9	-4.6	-2.9	-1.7	-0.8	-0.1	0.2	0.3	0.3	-0.2	-1.0	-1.7	-2.4	-3.1	-3.7	-4.0	-3.3	1.4	-8.6
Max	5.9	6.2	5.5	5.7	6.7	6.2	5.9	5.4	7.4	7.3	7.4	7.9	8.4	8.8	9.1	9.1	8.9	8.3	8.0	7.3	6.8	6.2	6.4	6.0	6.9	9.1	5.1
Min	-25.6	-25.5	-25.1	-24.8	-24.5	-24.4	-25.0	-25.8	-26.5	-27.1	-27.2	-27.1	-26.6	-26.2	-25.9	-26.0	-26.5	-27.1	-28.3	-27.8	-27.4	-26.8	-26.3	-26.0	-26.0	-23.2	-28.3

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

A-13

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	-2.1	-2.2	-1.9	-2.2	-2.9	-3.1	-3.5	-4.1	-4.5	-5.0	-4.5	-3.3	-3.2	-3.2	-2.6	-2.3	-2.9	-5.2	-6.4	-9.7	-12.0	-13.9	-14.7	-16.0	-5.5	-1.9	-16.0
2	-16.1	-15.3	-16.3	-15.7	-15.7	-15.4	-13.4	-12.8	-11.5	-9.9	-9.1	-7.4	-5.8	-2.3	-0.1	0.1	-1.5	-2.1	-2.5	-1.9	-1.9	-0.7	2.1	3.1	-7.2	3.1	-16.3
3	3.9	4.2	4.3	4.8	4.6	3.9	2.5	2.2	1.1	-0.4	-1.2	-1.6	-1.6	-2.9	-4.7	-5.8	-6.7	-7.9	-11.2	-13.8	-13.6	-14.4	-15.2	-16.7	-3.6	4.8	-16.7
4	-18.0	-17.7	-18.4	-18.8	-17.6	-16.2	-15.4	-15.1	-13.9	-11.7	-11.7	-12.8	-13.1	-13.6	-14.3	-14.4	-14.8	-14.8	-14.9	-15.0	-15.2	-16.3	-16.9	-18.8	-15.4	-11.7	-18.8
5	-19.1	-19.7	-20.0	-20.8	-21.3	-22.2	-23.0	-23.5	-24.0	-23.7	-24.0	-23.4	-23.0	-22.2	-21.2	-20.9	-21.9	-25.9	-27.9	-28.8	-29.5	-29.9	-30.5	-30.1	-24.0	-19.1	-30.5
6	-30.1	-29.9	-29.5	-27.2	-26.2	-24.9	-22.2	-19.7	-17.7	-16.7	-15.1	-14.0	-11.1	-6.4	-4.4	-4.2	-4.5	-5.4	-6.3	-6.4	-6.2	-6.6	-6.7	-7.1	-14.5	-4.2	-30.1
7	-7.2	-6.8	-6.8	-6.9	-5.9	-6.6	-7.5	-7.8	-6.8	-4.2	-3.5	-2.9	-1.6	-0.8	-1.2	-1.9	-2.1	-2.7	-3.7	-4.5	-6.2	-7.0	-6.7	-6.7	-4.9	-0.8	-7.8
8	-7.5	-7.4	-7.0	-6.9	-6.2	-5.7	-5.3	-5.1	-4.8	-4.2	-3.8	-2.4	-1.2	-0.9	-0.6	-0.4	-0.3	-2.0	-3.9	-3.1	-1.6	-1.8	-1.8	-3.1	-3.6	-0.3	-7.5
9	-3.2	-3.1	-2.1	-1.6	-1.3	-2.3	-2.3	-2.9	-3.0	-2.2	-2.3	-1.6	-1.1	-1.1	-0.8	-1.3	-2.3	-3.4	-4.7	-5.3	-5.5	-5.4	-5.7	-6.1	-2.9	-0.8	-6.1
10	-5.4	-5.5	-6.3	-6.4	-6.8	-6.9	-7.0	-4.7	-3.4	-2.3	-1.7	-1.0	-0.6	-0.7	-0.5	-0.4	-0.4	-0.8	-1.1	-0.5	-0.7	-0.7	-0.9	-1.5	-2.8	-0.4	-7.0
11	-1.1	-1.0	-1.3	-2.4	0.2	0.5	1.3	2.3	3.2	3.8	5.0	6.1	5.7	4.1	3.6	2.9	1.2	-1.4	-1.2	-1.1	-1.6	-2.3	-4.7	-6.9	0.6	6.1	-6.9
12	-6.7	-6.6	-5.6	-4.1	-3.2	-2.8	-2.6	-2.7	-2.6	-2.5	-2.4	-2.4	-2.6	-2.5	-2.5	-2.9	-3.2	-3.6	-3.9	-3.7	-3.0	-2.4	-2.1	-1.6	-3.3	-1.6	-6.7
13	-1.0	-0.3	0.2	0.4	0.7	1.2	1.5	1.8	2.0	2.1	2.6	2.8	3.0	2.4	2.2	2.1	1.8	1.1	-1.8	-3.3	-4.2	-4.8	-5.1	-5.5	0.1	3.0	-5.5
14	-5.7	-5.9	-5.8	-6.0	-6.4	-7.6	-7.1	-6.9	-6.4	-5.5	-2.9	-2.3	-1.0	0.2	0.5	0.9	0.0	-0.9	-1.6	-1.2	-2.2	-1.5	-0.8	-1.2	-3.2	0.9	-7.6
15	-2.2	-1.9	-1.0	0.8	1.0	0.5	0.9	1.7	1.7	1.6	2.6	2.5	1.8	1.9	2.4	3.0	2.2	1.1	-0.4	-2.3	-5.1	-5.3	-6.4	-7.0	-0.2	3.0	-7.0
16	-6.7	-7.0	-5.7	-6.4	-7.7	-9.3	-11.0	-12.0	-13.8	-13.3	-11.8	-10.0	-2.4	0.8	1.3	1.0	-0.1	-3.7	-6.4	-8.7	-11.2	-11.2	-12.5	-13.3	-7.5	1.3	-13.8
17	-13.3	-13.3	-13.9	-14.1	-15.1	-15.1	-15.7	-15.9	-16.0	-15.7	-14.2	-11.6	-8.5	0.0	3.2	3.6	2.0	0.6	-2.5	-5.3	-7.7	-9.0	-10.2	-11.8	-9.1	3.6	-16.0
18	-13.5	-13.4	-14.2	-15.7	-16.3	-15.7	-16.2	-16.4	-16.2	-15.5	-13.8	-11.1	-8.7	0.0	3.4	3.6	2.7	1.3	-2.8	-5.5	-8.0	-8.6	-9.9	-10.8	-9.2	3.6	-16.4
19	-11.6	-11.4	-11.4	-10.0	-8.4	-6.3	-5.9	-5.5	-4.3	-5.3	-5.2	-4.9	-2.5	0.9	4.4	4.2	4.5	4.4	3.6	3.0	2.3	0.0	-0.7	-2.5	-2.9	4.5	-11.6
20	-2.6	-3.9	-8.0	-9.0	-12.2	-14.0	-16.0	-16.4	-17.6	-16.7	-15.2	-13.0	-10.1	-7.1	-2.4	-1.1	-3.2	-7.3	-10.3	-12.2	-13.5	-14.8	-15.5	-16.0	-10.8	-1.1	-17.6
21	-16.3	-16.5	-16.6	-16.3	-16.1	-16.4	-16.3	-16.6	-16.5	-15.3	-12.6	-10.3	-4.7	2.0	3.0	1.5	-1.4	-3.1	-4.3	-6.2	-6.5	-5.6	-5.2	-4.5	-9.2	3.0	-16.6
22	-4.7	-3.9	-3.8	-3.8	-4.1	-4.0	-3.7	-3.7	-3.6	-3.2	-2.7	-2.1	-2.1	-2.6	-3.1	-2.7	-2.8	-3.4	-5.1	-6.9	-6.8	-8.1	-9.3	-11.1	-4.5	-2.1	-11.1
23	-13.2	-15.5	-16.7	-15.3	-15.8	-17.6	-17.2	-16.1	-14.6	-13.3	-12.0	-11.1	-8.7	-5.2	-4.3	-4.0	-4.9	-6.8	-8.0	-8.6	-9.1	-10.2	-10.6	-9.6	-11.2	-4.0	-17.6
24	-8.8	-7.9	-8.2	-10.3	-10.4	-11.6	-11.5	-12.0	-11.3	-11.4	-9.3	-7.1	-2.0	1.8	2.7	2.6	2.2	-1.8	-5.4	-7.2	-9.5	-10.3	-11.8	-12.1	-7.1	2.7	-12.1
25	-11.8	-12.6	-12.3	-13.5	-13.2	-13.2	-13.8	-12.4	-12.3	-11.7	-10.3	-6.8	-0.7	3.7	4.0	3.5	2.8	0.4	-3.7	-1.8	1.7	-0.5	-3.7	-4.1	-5.9	4.0	-13.8
26	-3.8	-4.0	-3.8	-2.4	-1.1	-0.4	-1.2	-0.8	-1.9	-2.1	-4.8	-7.6	-8.4	-8.8	-9.5	-10.0	-11.0	-11.9	-12.5	-12.8	-13.3	-13.5	-13.6	-14.1	-7.2	-0.4	-14.1
27	-15.4	-17.9	-19.6	-22.0	-23.9	-25.5	-26.8	-27.4	-28.1	-27.8	-26.1	-19.0	-10.5	-9.8	-10.1	-10.5	-11.1	-12.7	-14.0	-15.0	-19.2	-21.7	-23.7	-25.6	-19.3	-9.8	-28.1
28	-26.0	-27.3	-27.5	-28.6	-29.1	-28.3	-26.9	-24.9	-23.7	-22.5	-20.9	-17.9	-10.6	-5.2	-4.3	-3.7	-4.4	-5.0	-8.4	-10.3	-10.3	-9.3	-9.7	-10.0	-16.4	-3.7	-29.1
29	-9.0	-5.8	-0.9	-0.2	0.1	0.2	-0.4	-1.7	-2.2	-1.8	-1.8	-1.6	-1.2	-0.6	-0.5	0.2	0.1	0.0	-0.2	-0.3	-0.5	-1.3	-2.7	-5.1	-1.6	0.2	-9.0
30	-7.4	-8.5	-9.8	-11.6	-12.7	-13.7	-14.5	-15.3	-16.5	-16.8	-16.8	-16.5	-16.5	-16.6	-16.7	-16.3	-16.4	-16.7	-16.9	-16.7	-16.5	-16.4	-16.2	-16.1	-14.9	-7.4	-16.9
31	-15.8	-15.7	-15.3	-15.1	-14.7	-15.1	-17.1	-19.0	-18.2	-16.1	-13.9	-9.8	-7.9	-7.9	-8.0	-8.8	-10.2	-11.5	-11.8	-12.8	-13.6	-15.0	-16.7	-15.8	-13.6	-7.9	-19.0
Avg	-9.7	-9.8	-9.8	-9.9	-9.9	-10.1	-10.2	-10.1	-9.9	-9.3	-8.5	-7.2	-5.2	-3.3	-2.6	-2.7	-3.4	-4.9	-6.5	-7.4	-8.1	-8.7	-9.3	-9.9	-7.8	-1.1	-14.6
Max	3.9	4.2	4.3	4.8	4.6	3.9	2.5	2.3	3.2	3.8	5.0	6.1	5.7	4.1	4.4	4.2	4.5	4.4	3.6	3.0	2.3	0.0	2.1	3.1	0.6	6.1	-5.5
Min	-30.1	-29.9	-29.5	-28.6	-29.1	-28.3	-26.9	-27.4	-28.1	-27.8	-26.1	-23.4	-23.0	-22.2	-21.2	-20.9	-21.9	-25.9	-27.9	-28.8	-29.5	-29.9	-30.5	-30.1	-24.0	-19.1	-30.5

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	-17.6	-19.2	-21.8	-23.8	-26.1	-26.8	-27.8	-29.8	-29.5	-29.1	-27.1	-25.1	-22.4	-19.9	-15.7	-14.5	-16.5	-19.9	-23.0	-24.9	-26.1	-28.0	-27.9	-29.0	-23.8	-14.5	-29.8
2	-29.2	-29.2	-28.6	-27.9	-26.8	-26.0	-24.6	-21.7	-19.7	-17.7	-16.2	-14.8	-13.5	-12.0	-11.2	-10.7	-9.6	-9.5	-10.5	-10.7	-10.3	-10.6	-10.6	-10.9	-17.2	-9.5	-29.2
3	-11.6	-12.3	-13.5	-14.0	-14.3	-15.1	-15.1	-15.7	-15.8	-15.3	-14.5	-14.5	-15.1	-15.8	-16.5	-17.6	-17.8	-18.0	-19.1	-20.8	-22.4	-22.8	-23.5	-24.1	-16.9	-11.6	-24.1
4	-25.7	-27.7	-28.3	-28.9	-29.8	-30.6	-31.2	-31.0	-30.5	-30.0	-29.0	-25.7	-23.6	-23.5	-23.9	-23.8	-25.0	-26.0	-27.1	-28.7	-28.5	-28.0	-28.7	-30.9	-27.8	-23.5	-31.2
5	-32.5	-33.1	-34.6	-35.1	-36.3	-37.0	-37.7	-38.0	-38.0	-37.8	-35.9	-33.0	-27.6	-26.6	-26.4	-26.6	-27.2	-28.8	-31.0	-34.0	-35.5	-36.6	-37.6	-38.2	-33.5	-26.4	-38.2
6	-38.9	-39.4	-39.7	-40.3	-40.3	-40.4	-40.8	-40.8	-40.8	-39.4	-37.8	-34.9	-31.6	-27.9	-25.2	-25.0	-24.7	-28.0	-30.3	-32.3	-34.1	-34.6	-35.2	-35.0	-34.9	-24.7	-40.8
7	-35.6	-34.2	-32.9	-28.9	-24.7	-21.7	-19.2	-17.8	-16.7	-15.8	-14.3	-12.6	-10.6	-10.0	-9.3	-8.9	-9.9	-10.6	-16.0	-18.3	-21.2	-23.0	-24.8	-23.2	-19.2	-8.9	-35.6
8	-22.4	-20.1	-19.2	-17.3	-16.8	-18.9	-19.7	-19.5	-19.1	-18.4	-17.9	-18.3	-18.5	-18.7	-18.0	-18.9	-19.8	-21.1	-23.9	-26.2	-27.8	-28.2	-27.9	-27.3	-21.0	-16.8	-28.2
9	-26.6	-25.2	-23.7	-22.2	-21.2	-19.5	-19.2	-19.2	-19.4	-18.8	-17.9	-15.9	-14.3	-13.6	-13.2	-12.9	-13.5	-13.6	-13.5	-13.3	-13.0	-12.6	-12.3	-12.3	-17.0	-12.3	-26.6
10	-12.1	-11.3	-10.6	-10.4	-10.3	-10.6	-11.5	-13.4	-13.0	-12.2	-10.4	-5.3	-3.9	-3.1	-2.1	-2.1	-1.5	-2.8	-3.4	-3.6	-3.5	-3.7	-3.4	-3.2	-7.0	-1.5	-13.4
11	-1.7	-0.9	-1.0	-0.8	-0.9	-1.1	-0.8	-0.4	-1.6	-1.8	-0.1	-1.0	-2.0	-2.9	-2.1	-1.7	-2.5	-3.8	-5.7	-6.8	-10.9	-13.1	-15.2	-16.6	-4.0	-0.1	-16.6
12	-18.0	-16.1	-13.4	-11.7	-7.7	-3.1	-2.0	-1.1	0.0	0.9	2.0	2.1	2.0	3.7	3.9	3.9	3.7	2.5	2.1	1.4	1.1	0.8	-0.1	-1.1	-1.8	3.9	-18.0
13	-2.6	-1.6	0.0	-1.0	-1.3	-1.1	-4.2	-5.0	-3.1	0.6	1.7	1.9	2.2	1.5	0.6	0.1	-1.3	-2.1	-3.0	-2.7	-2.5	-3.0	-3.3	-4.8	-1.4	2.2	-5.0
14	-7.3	-10.1	-11.1	-11.5	-11.2	-12.0	-11.5	-11.8	-11.3	-9.9	-8.0	-3.4	-2.0	-1.0	-0.7	-0.4	0.1	0.6	0.7	0.8	0.2	0.0	-0.5	-0.9	-5.1	0.8	-12.0
15	-1.1	-1.0	-1.5	-1.8	-2.7	-5.9	-8.6	-11.3	-12.3	-12.0	-10.4	-6.4	-1.2	0.6	0.6	0.2	0.9	1.0	-0.2	-1.3	-0.3	0.5	0.7	1.6	-3.0	1.6	-12.3
16	2.7	4.3	3.5	3.5	4.0	3.9	3.9	2.0	-0.1	-0.7	-1.4	-1.4	-1.4	-1.0	-1.8	-2.6	-2.9	-2.9	-3.8	-4.2	-3.9	-4.5	-4.6	-4.2	-0.6	4.3	-4.6
17	-3.5	-4.4	-5.8	-5.2	-6.4	-6.1	-2.3	-2.4	-2.4	-1.2	-0.3	0.8	1.9	2.7	3.3	2.7	2.2	1.3	0.7	1.1	0.4	-1.0	-0.9	-1.3	-1.1	3.3	-6.4
18	-2.1	-2.7	-3.3	-4.0	-4.4	-4.9	-4.9	-6.0	-5.8	-4.4	-3.6	-2.8	-2.6	-2.5	-1.4	-0.7	-1.1	0.2	-1.0	-0.2	-0.4	0.4	0.3	0.4	-2.4	0.4	-6.0
19	0.7	0.2	0.3	-2.2	-1.9	-2.8	-4.1	-4.8	-5.1	-5.6	-5.5	-5.1	-4.6	-4.4	-4.8	-5.1	-4.9	-6.0	-7.2	-7.0	-7.2	-7.2	-9.6	-11.1	-4.8	0.7	-11.1
20	-13.3	-13.7	-16.0	-17.8	-18.8	-20.7	-21.5	-22.5	-21.8	-19.8	-11.0	-7.0	-6.0	-5.6	-5.3	-4.8	-4.7	-4.5	-4.4	-4.5	-5.0	-5.2	-5.1	-5.1	-11.0	-4.4	-22.5
21	-5.2	-5.5	-6.0	-6.8	-6.9	-7.5	-7.0	-7.4	-7.7	-6.3	-5.9	-5.8	-5.6	-5.3	-6.2	-6.9	-7.5	-7.4	-8.1	-8.5	-10.0	-9.9	-11.9	-12.2	-7.4	-5.2	-12.2
22	-14.2	-17.3	-16.6	-16.5	-15.2	-14.5	-15.0	-17.5	-20.1	-19.2	-18.4	-14.4	-12.6	-11.5	-11.1	-11.2	-10.9	-11.5	-12.0	-12.3	-12.8	-12.8	-12.9	-13.6	-14.3	-10.9	-20.1
23	-13.5	-13.9	-14.3	-15.1	-15.2	-15.3	-15.6	-16.2	-15.9	-15.3	-14.8	-14.4	-13.7	-13.5	-14.0	-14.5	-14.8	-14.9	-15.0	-15.1	-15.2	-15.3	-15.4	-17.7	-14.9	-13.5	-17.7
24	-18.7	-19.3	-19.6	-19.5	-19.0	-18.8	-18.7	-19.0	-19.4	-19.7	-18.7	-17.6	-16.4	-15.1	-14.6	-14.0	-13.5	-13.7	-13.9	-13.8	-13.8	-13.7	-13.8	-14.2	-16.6	-13.5	-19.7
25	-14.3	-14.2	-14.4	-14.0	-14.6	-18.8	-20.6	-24.7	-26.7	-25.9	-23.6	-17.8	-15.1	-13.3	-12.5	-12.1	-13.2	-16.9	-18.3	-22.2	-24.6	-25.3	-27.0	-27.6	-19.1	-12.1	-27.6
26	-28.4	-28.3	-29.7	-29.3	-29.4	-29.4	-29.8	-28.4	-27.6	-25.7	-20.9	-17.1	-13.5	-9.6	-6.6	-4.3	-5.4	-8.8	-12.4	-16.2	-18.1	-18.4	-19.2	-19.8	-19.8	-4.3	-29.8
27	-17.9	-16.0	-15.3	-13.2	-14.0	-14.5	-14.8	-15.4	-14.3	-10.7	-8.0	-4.9	0.9	1.4	2.3	1.9	0.5	0.0	0.1	-0.9	-2.7	-4.5	-7.0	-9.1	-7.3	2.3	-17.9
28	-10.6	-11.7	-12.9	-13.3	-14.0	-14.8	-16.3	-17.3	-17.5	-17.3	-17.2	-17.0	-17.7	-17.8	-19.1	-19.4	-19.8	-20.3	-20.9	-21.6	-22.3	-22.8	-23.0	-22.9	-17.9	-10.6	-23.0
Avg	-15.0	-15.1	-15.4	-15.3	-15.2	-15.5	-15.7	-16.3	-16.3	-15.3	-13.8	-11.8	-10.3	-9.5	-9.0	-8.9	-9.3	-10.2	-11.4	-12.4	-13.2	-13.7	-14.3	-14.8	-13.2	-7.3	-20.7
Max	2.7	4.3	3.5	3.5	4.0	3.9	3.9	2.0	0.0	0.9	2.0	2.1	2.2	3.7	3.9	3.9	3.7	2.5	2.1	1.4	1.1	0.8	0.7	1.6	-0.6	4.3	-4.6
Min	-38.9	-39.4	-39.7	-40.3	-40.3	-40.4	-40.8	-40.8	-40.8	-39.4	-37.8	-34.9	-31.6	-27.9	-26.4	-26.6	-27.2	-28.8	-31.0	-34.0	-35.5	-36.6	-37.6	-38.2	-34.9	-26.4	-40.8

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	-23.2	-23.7	-23.9	-24.0	-24.3	-24.3	-24.9	-25.7	-26.4	-27.0	-27.0	-26.8	-26.3	-25.9	-25.7	-25.7	-26.6	-27.5	-28.5	-27.7	-27.2	-26.6	-26.2	-25.8	-25.9	-23.2	-28.5
2	-25.4	-25.3	-24.9	-24.7	-24.3	-23.8	-24.1	-23.6	-22.5	-21.1	-19.2	-16.4	-11.8	-5.7	-4.9	-4.0	-2.9	-2.2	-1.6	-1.8	-1.3	-0.7	-1.7	-0.5	-13.1	-0.5	-25.4
3	-0.4	-0.2	-0.5	-1.0	-2.2	-1.7	-2.8	-0.8	-0.2	1.4	1.9	2.3	2.5	3.2	3.8	3.9	3.0	2.9	3.2	2.8	2.3	1.6	1.4	0.8	1.1	3.9	-2.8
4	0.4	-0.6	-1.5	-1.6	-1.7	0.2	0.4	0.3	0.0	1.2	1.6	1.8	2.3	2.3	2.3	2.1	1.9	0.9	-0.1	-1.2	-2.7	-3.5	-4.2	-4.0	-0.1	2.3	-4.2
5	-2.3	-1.7	-2.3	-1.5	-2.0	-2.3	-2.8	-2.3	-0.5	2.1	3.1	4.3	4.7	5.3	5.2	4.3	4.4	4.3	4.1	3.7	4.6	3.7	2.7	3.2	1.8	5.3	-2.8
6	2.6	4.2	4.6	5.1	4.8	5.0	4.4	3.2	2.3	2.2	3.4	3.4	3.3	3.0	3.0	3.4	3.2	2.8	2.0	1.0	1.3	0.4	-1.5	-1.8	2.7	5.1	-1.8
7	-2.0	-2.1	-1.2	-0.7	-0.3	-0.8	-0.8	-0.7	0.2	0.5	1.2	1.8	1.9	2.2	2.3	2.5	2.3	2.0	1.2	0.9	0.0	-1.5	-3.8	-4.7	0.0	2.5	-4.7
8	-5.5	-6.0	-6.4	-7.0	-8.0	-9.5	-11.0	-11.3	-10.7	-8.6	-6.1	-2.3	2.7	3.1	3.3	3.2	4.4	4.1	4.1	3.3	3.4	3.2	3.6	3.1	-2.1	4.4	-11.3
9	4.2	5.4	4.8	4.7	5.8	5.4	5.4	4.6	6.8	6.7	6.6	7.1	7.5	8.0	7.9	7.4	7.2	7.1	6.6	6.2	4.7	5.0	5.7	5.4	6.1	8.0	4.2
10	5.2	3.8	2.8	1.6	1.0	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.4	0.3	0.2	-0.1	-0.5	-0.8	-1.2	-1.3	-1.4	0.5	5.2	-1.4
11	-1.4	-1.9	-2.4	-3.3	-4.3	-6.6	-9.4	-10.5	-10.9	-9.5	-7.5	-3.4	-1.6	-0.8	-0.4	-0.4	-0.1	-0.6	-1.4	-3.9	-7.4	-8.9	-9.3	-9.8	-4.8	-0.1	-10.9
12	-10.7	-12.1	-12.9	-13.9	-13.9	-12.8	-13.3	-12.9	-12.1	-10.5	-6.2	Au	Au	Au	1.7	2.4	2.0	0.6	-2.4	-3.9	-6.3	-8.5	-9.5	-11.0	-7.9	2.4	-13.9
13	-10.8	-10.1	-12.2	-13.4	-14.7	-14.3	-15.3	-11.5	-3.7	0.0	2.1	2.6	3.0	2.8	3.2	3.6	3.5	3.1	1.8	-2.2	-3.5	-4.9	-7.2	-9.2	-4.5	3.6	-15.3
14	-9.9	-10.9	-11.0	-11.8	-12.9	-13.5	-13.3	-13.1	-12.0	-9.1	-3.4	2.1	2.9	3.0	2.7	2.1	2.1	2.8	2.3	2.0	1.3	0.1	-0.3	-0.7	-4.1	3.0	-13.5
15	-1.4	-2.5	-2.3	-2.2	-2.1	-2.1	-2.2	-2.2	-1.6	-1.4	-0.6	0.3	1.1	1.7	1.9	2.0	2.5	2.4	0.9	1.4	1.2	0.2	-1.3	-4.4	-0.4	2.5	-4.4
16	-5.4	-7.4	-6.8	-7.7	-7.6	-6.3	-6.2	-5.7	-3.3	2.0	4.6	6.8	7.3	7.9	8.3	8.2	8.0	7.1	6.6	5.2	4.9	3.3	1.1	-0.9	1.0	8.3	-7.7
17	-2.1	-4.5	-5.2	-4.3	-4.4	-4.5	0.3	1.4	0.8	0.6	0.9	0.0	-0.6	-1.2	-1.5	-2.1	-2.2	-2.5	-2.7	-2.7	-2.8	-3.0	-3.1	-3.9	-2.1	1.4	-5.2
18	-6.4	-6.5	-5.9	-6.0	-7.8	-7.6	-7.4	-7.1	-5.8	-4.4	-3.5	-3.2	-3.0	-2.7	-2.3	-2.3	-2.5	-2.6	-3.2	-5.4	-5.8	-7.6	-11.1	-13.5	-5.6	-2.3	-13.5
19	-15.7	-16.2	-17.3	-17.9	-18.0	-17.7	-16.8	-16.6	-15.3	-11.6	-5.3	-1.9	-1.1	-0.8	0.1	0.7	1.6	1.3	0.9	0.0	-2.2	-4.8	-6.2	-3.3	-7.7	1.6	-18.0
20	-3.4	-3.7	-4.6	-2.5	-2.6	-2.1	-2.8	-3.6	-3.9	-4.0	-3.8	-3.5	-3.4	-3.0	-2.9	-2.9	-3.3	-4.3	-5.0	-5.4	-5.7	-5.8	-5.7	-6.4	-3.9	-2.1	-6.4
21	-7.6	-8.3	-9.0	-10.2	-12.2	-13.6	-15.1	-15.4	-16.2	-13.7	-10.5	-9.3	-8.7	-7.7	-7.0	-7.0	-8.2	-10.8	-12.6	-12.8	-12.4	-12.3	-12.2	-12.4	-11.0	-7.0	-16.2
22	-12.6	-13.7	-15.2	-16.5	-17.8	-19.6	-21.9	-21.8	-21.2	-18.6	-12.6	-10.4	-9.2	-8.0	-7.2	-6.3	-6.0	-6.8	-8.5	-8.3	-8.2	-8.6	-8.6	-8.8	-12.4	-6.0	-21.9
23	-8.9	-9.1	-9.2	-9.2	-9.0	-8.9	-8.7	-8.5	-8.1	-6.5	-5.0	-5.2	-4.8	-3.9	-3.7	-3.2	-2.4	-3.8	-5.6	-8.5	-11.0	-13.4	-13.4	-12.4	-7.6	-2.4	-13.4
24	-12.1	-12.1	-11.7	-11.9	-12.2	-11.8	-11.5	-11.0	-10.1	-9.5	-8.7	-7.7	-6.0	-5.1	-4.3	-3.5	-5.4	-7.0	-9.2	-11.1	-12.3	-12.5	-11.4	-9.5	-9.5	-3.5	-12.5
25	-9.6	-9.6	-10.2	-12.5	-13.8	-14.6	-14.9	-14.5	-13.1	-11.1	-8.3	-3.5	2.7	7.1	6.3	7.4	6.6	5.6	4.3	3.8	2.9	1.9	0.7	-0.3	-3.6	7.4	-14.9
26	-1.6	-0.7	-1.1	-1.9	-3.2	-3.0	-4.0	-3.9	-1.6	1.0	2.0	2.8	3.3	3.5	3.8	3.5	2.9	1.3	0.7	-0.2	-2.0	-2.3	-2.4	-2.2	-0.2	3.8	-4.0
27	-2.4	-2.5	-2.2	-2.2	-2.3	-1.8	-1.7	-1.8	-1.3	-1.0	-0.6	-0.5	-0.6	-0.3	-1.4	-2.1	-2.2	-2.9	-4.0	-5.2	-6.0	-6.0	-5.6	-5.5	-2.6	-0.3	-6.0
28	-5.8	-5.5	-5.2	-5.0	-5.1	-5.3	-7.6	-7.8	-6.0	-2.8	-0.5	0.9	1.6	2.4	3.0	3.8	4.5	4.4	4.0	3.6	3.4	3.1	3.7	3.8	-0.6	4.5	-7.8
29	3.9	3.9	4.5	4.1	3.5	4.5	4.7	4.6	3.5	2.1	0.9	0.7	1.1	1.4	0.8	1.2	1.3	1.2	1.3	0.8	0.3	-0.5	-0.8	-1.1	2.0	4.7	-1.1
30	-1.5	-1.9	-1.9	-2.5	-2.5	-2.8	-3.6	-4.4	-4.4	-3.5	-0.4	0.6	1.0	0.5	-0.2	-0.5	-1.0	-2.8	-3.8	-4.1	-4.2	-4.4	-4.3	-4.3	-2.4	1.0	-4.4
31	-4.3	-4.3	-4.6	-4.8	-4.7	-4.9	-4.3	-4.2	-3.8	-3.3	-2.5	-1.2	-0.6	-0.7	-1.1	-1.3	-0.6	-2.3	-3.4	-3.5	-5.2	-4.7	-4.9	-5.5	-3.4	-0.6	-5.5
Avg	-5.7	-6.0	-6.3	-6.6	-7.1	-7.1	-7.4	-7.3	-6.5	-5.1	-3.3	-1.9	-1.0	-0.3	-0.1	0.0	-0.1	-0.7	-1.6	-2.4	-3.1	-3.8	-4.4	-4.7	-3.9	1.1	-9.5
Max	5.2	5.4	4.8	5.1	5.8	5.4	5.4	4.6	6.8	6.7	6.6	7.1	7.5	8.0	8.3	8.2	8.0	7.1	6.6	6.2	4.9	5.0	5.7	5.4	6.1	8.3	4.2
Min	-25.4	-25.3	-24.9	-24.7	-24.3	-24.3	-24.9	-25.7	-26.4	-27.0	-27.0	-26.8	-26.3	-25.9	-25.7	-25.7	-26.6	-27.5	-28.5	-27.7	-27.2	-26.6	-26.2	-25.8	-25.9	-23.2	-28.5

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	0.05	0.11	0.12	0.07	0.05	0.12	0.11	0.21	0.18	0.45	0.25	0.11	0.48	0.76	0.69	0.40	0.63	0.98	0.90	1.02	0.91	1.33	1.38	1.63	0.54	1.63	0.05
2	1.78	1.51	1.47	1.57	1.46	1.49	0.88	1.13	0.66	0.46	0.48	0.95	2.32	1.24	1.43	0.83	1.10	0.59	0.56	0.72	0.69	0.27	0.63	0.57	1.03	2.32	0.27
3	0.41	0.38	0.37	0.36	0.29	0.33	0.19	0.41	0.46	0.48	0.42	0.45	0.33	0.25	0.04	0.10	0.30	0.63	1.21	1.57	1.48	1.13	0.99	1.35	0.58	1.57	0.04
4	1.26	0.74	1.04	0.88	0.49	0.11	0.01	0.34	0.20	0.37	0.16	-0.02	-0.01	0.05	0.03	0.02	-0.03	-0.03	0.05	0.16	0.16	0.02	-0.03	0.00	0.25	1.26	-0.03
5	-0.03	-0.02	-0.03	0.06	0.03	0.08	0.13	0.27	0.62	0.44	0.21	0.12	0.04	0.11	0.36	0.41	0.82	1.15	1.11	0.88	0.91	1.02	1.31	1.14	0.46	1.31	-0.03
6	0.97	1.28	0.86	0.62	1.00	0.82	0.14	0.53	1.02	0.85	0.51	1.31	2.07	0.60	0.54	0.85	1.07	0.96	1.07	0.72	0.80	0.23	0.24	0.99	0.84	2.07	0.14
7	0.83	1.10	1.13	1.75	1.63	2.64	1.53	1.23	1.63	0.34	0.08	0.25	0.29	0.19	0.15	0.16	0.11	0.18	0.57	0.88	1.20	0.72	0.58	0.53	0.82	2.64	0.08
8	0.84	0.64	0.40	0.25	0.12	0.23	0.07	0.22	0.11	0.10	0.00	-0.03	0.11	0.16	0.32	0.71	0.41	1.28	1.02	0.52	0.39	0.57	0.80	0.53	0.41	1.28	-0.03
9	0.25	0.32	0.73	0.40	0.34	0.25	0.18	0.30	0.29	0.17	0.25	0.25	0.20	0.17	0.21	0.26	0.45	0.56	0.62	0.55	0.52	0.50	0.60	0.68	0.38	0.73	0.17
10	0.14	0.09	0.01	0.03	0.03	0.05	0.18	0.30	0.19	0.13	0.19	0.21	0.19	0.22	0.18	0.33	0.32	0.45	0.42	0.22	0.34	0.26	0.26	0.43	0.22	0.45	0.01
11	0.34	0.27	0.30	0.74	0.45	0.49	0.25	0.32	0.34	0.35	0.48	0.56	0.66	0.43	0.35	0.27	0.15	0.03	0.12	0.17	0.29	0.59	1.09	1.01	0.42	1.09	0.03
12	0.77	1.18	0.75	0.53	0.27	0.18	0.14	0.16	0.21	0.22	0.28	0.29	0.16	0.22	0.27	0.30	0.29	0.27	0.35	0.24	0.14	0.16	0.18	0.18	0.32	1.18	0.14
13	0.14	0.18	0.27	0.20	0.16	0.21	0.25	0.26	0.28	0.31	0.32	0.25	0.31	0.46	0.38	0.28	0.26	0.23	0.00	-0.02	-0.01	-0.02	0.00	0.00	0.20	0.46	-0.02
14	0.01	0.00	0.01	0.04	0.27	0.49	0.34	0.06	0.07	0.86	0.81	0.48	0.31	0.36	0.47	0.35	0.66	0.78	0.78	0.96	1.22	0.78	0.57	0.67	0.47	1.22	0.00
15	0.91	0.89	1.10	0.42	0.47	0.57	0.70	0.78	0.96	0.69	0.38	0.39	0.44	0.43	0.46	0.59	0.88	1.07	1.00	2.24	1.89	2.06	4.01	2.68	1.08	4.01	0.38
16	2.39	1.89	1.26	1.57	1.30	1.08	0.95	1.09	1.26	1.30	0.99	2.37	1.73	0.90	1.00	1.34	0.81	1.75	1.03	1.88	1.73	1.14	1.67	1.80	1.43	2.39	0.81
17	1.36	1.30	1.54	1.54	1.70	1.82	1.82	1.68	1.69	1.25	1.78	1.65	3.82	1.09	0.91	1.19	1.87	1.45	1.51	1.32	1.43	1.74	1.27	1.08	1.58	3.82	0.91
18	1.58	1.29	1.71	2.15	2.06	1.92	2.31	1.93	1.97	2.28	1.75	1.08	1.40	1.50	0.64	0.49	0.69	1.43	1.29	0.82	1.47	1.29	1.53	1.68	1.51	2.31	0.49
19	1.29	1.80	1.61	1.34	1.44	1.16	1.21	1.03	0.86	1.36	1.06	1.23	0.96	1.37	0.87	0.80	0.65	0.64	0.94	0.96	0.83	0.99	1.06	1.57	1.13	1.80	0.64
20	0.76	0.94	1.32	1.23	1.53	2.21	2.08	1.28	1.61	1.46	1.48	1.10	1.59	1.42	1.21	1.02	1.60	1.95	2.00	1.59	1.82	1.85	1.85	1.84	1.53	2.21	0.76
21	1.84	1.70	1.66	1.66	2.03	2.16	1.82	2.13	1.88	1.53	1.73	2.99	3.72	0.57	1.08	1.45	2.64	1.86	0.70	1.30	1.13	0.68	0.66	0.85	1.66	3.72	0.57
22	0.64	0.86	0.68	0.66	0.67	0.19	0.16	0.21	0.17	0.05	-0.02	-0.03	-0.01	0.00	-0.01	-0.01	0.18	0.32	0.85	0.99	0.26	0.36	0.50	0.32	0.33	0.99	-0.03
23	0.88	1.19	0.92	0.00	-0.06	0.53	-0.01	-0.07	-0.11	-0.12	-0.02	0.27	1.19	-0.18	-0.12	0.06	0.47	0.72	0.68	0.84	0.82	1.01	0.86	0.33	0.42	1.19	-0.18
24	0.52	0.74	1.09	1.56	1.31	0.95	1.68	1.66	1.39	1.38	1.11	1.98	2.68	0.38	0.82	0.85	0.54	2.56	1.05	1.34	1.43	1.64	2.25	2.25	1.38	2.68	0.38
25	1.60	1.54	1.96	1.88	2.23	1.85	1.92	1.30	1.43	1.49	1.59	2.19	2.18	0.73	0.59	1.14	0.90	1.69	1.65	1.72	0.95	0.96	2.40	0.43	1.51	2.40	0.43
26	0.47	0.88	0.78	0.99	0.40	0.34	0.05	0.09	0.02	0.03	0.15	0.06	0.20	0.06	0.00	-0.02	0.03	0.06	0.04	0.00	0.03	0.07	0.01	0.16	0.20	0.99	-0.02
27	0.22	0.61	0.53	0.65	0.64	0.74	0.87	0.84	1.00	1.01	1.89	2.53	0.43	0.18	0.19	0.27	0.46	0.93	0.89	1.26	1.28	0.66	0.96	1.01	0.84	2.53	0.18
28	1.27	1.17	1.53	1.50	1.60	2.16	1.77	0.92	1.07	1.33	1.81	1.46	2.81	0.21	0.24	0.85	0.98	0.97	2.80	2.02	1.77	3.33	4.47	3.18	1.72	4.47	0.21
29	3.38	2.28	0.36	0.24	0.15	0.18	0.23	0.45	0.02	-0.04	-0.02	-0.01	0.00	0.02	0.00	0.05	0.12	0.16	0.17	0.15	0.18	0.14	0.03	0.02	0.34	3.38	-0.04
30	-0.01	0.01	0.01	-0.02	-0.02	-0.02	-0.03	-0.02	0.27	0.24	-0.03	-0.15	-0.18	-0.15	-0.13	-0.13	-0.08	0.02	0.01	-0.08	-0.09	-0.09	-0.09	-0.08	-0.03	0.27	-0.18
31	-0.08	-0.09	-0.08	-0.04	-0.05	0.42	0.96	1.57	0.73	0.21	0.83	0.18	0.06	0.04	0.02	0.01	-0.01	0.03	0.06	0.00	0.10	0.74	1.52	0.70	0.33	1.57	-0.09
Avg	0.86	0.86	0.82	0.80	0.77	0.83	0.74	0.73	0.73	0.68	0.67	0.79	0.98	0.44	0.43	0.49	0.62	0.83	0.82	0.87	0.84	0.84	1.08	0.95	0.77	1.93	0.19
Max	3.38	2.28	1.96	2.15	2.23	2.64	2.31	2.13	1.97	2.28	1.89	2.99	3.82	1.50	1.43	1.45	2.64	2.56	2.80	2.24	1.89	3.33	4.47	3.18	1.72	4.47	0.91
Min	-0.08	-0.09	-0.08	-0.04	-0.06	-0.02	-0.03	-0.07	-0.11	-0.12	-0.03	-0.15	-0.18	-0.18	-0.13	-0.13	-0.08	-0.03	0.00	-0.08	-0.09	-0.09	-0.09	-0.08	-0.03	0.27	-0.18

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	0.99	1.33	1.38	0.76	1.46	1.06	1.58	1.52	1.50	1.32	1.39	1.97	1.79	1.50	1.33	0.93	1.93	2.56	2.63	2.04	2.21	2.20	1.91	2.15	1.64	2.63	0.76
2	2.23	1.96	1.76	1.58	1.61	1.75	1.76	0.61	0.40	0.52	0.05	0.35	0.18	0.58	0.29	0.82	0.97	0.59	0.69	0.42	0.51	0.48	0.37	0.32	0.87	2.23	0.05
3	0.46	0.37	0.00	-0.05	0.02	0.04	0.05	0.08	0.07	0.03	-0.09	-0.11	-0.09	-0.10	-0.13	-0.10	-0.05	0.07	0.40	1.40	0.89	0.82	0.60	1.05	0.23	1.40	-0.13
4	1.42	2.05	1.22	1.42	1.09	1.22	1.26	1.08	1.08	0.96	2.47	1.18	0.01	-0.10	0.07	0.07	0.37	0.41	0.27	0.83	0.42	0.34	0.46	0.86	0.85	2.47	-0.10
5	1.09	0.55	1.32	1.21	1.50	1.34	1.37	1.49	1.11	1.98	1.25	1.42	-0.01	0.12	0.15	0.40	0.53	0.55	1.19	1.40	1.04	1.13	1.64	1.30	1.04	1.98	-0.01
6	1.16	1.48	1.13	1.63	1.55	1.42	1.52	1.70	1.13	1.44	1.38	0.94	1.14	1.06	0.44	1.66	0.92	2.39	1.78	1.49	2.15	2.37	2.13	1.79	1.49	2.39	0.44
7	2.29	2.29	2.56	1.73	0.74	0.46	0.18	0.03	0.20	0.44	0.51	0.41	0.00	0.09	0.19	0.26	0.75	1.18	3.35	1.99	2.09	2.21	2.73	1.46	1.17	3.35	0.00
8	1.55	1.35	0.73	0.29	-0.05	-0.04	-0.04	-0.07	-0.07	-0.10	-0.14	-0.18	-0.10	0.04	0.00	0.18	0.50	0.82	1.58	1.22	1.54	1.39	1.08	0.87	0.51	1.58	-0.18
9	0.42	0.30	0.08	-0.03	0.07	0.00	-0.05	-0.04	-0.05	-0.03	-0.25	0.22	-0.18	-0.30	-0.09	-0.12	-0.08	-0.01	0.14	0.07	-0.01	-0.03	-0.05	0.02	-0.00	0.42	-0.30
10	0.21	0.25	0.16	0.36	0.43	0.29	0.63	1.29	0.72	0.51	0.85	0.40	0.24	0.20	0.18	0.22	0.16	0.37	0.22	0.61	0.53	0.41	0.43	0.91	0.44	1.29	0.16
11	0.46	0.32	0.40	0.50	0.41	0.48	0.31	0.24	0.49	0.24	0.26	0.14	0.09	0.13	0.13	0.46	0.61	0.92	1.70	1.72	2.55	1.58	0.99	1.26	0.68	2.55	0.09
12	1.84	1.06	0.74	1.21	0.95	0.62	0.77	0.57	0.21	0.25	0.38	0.63	0.58	0.43	0.26	0.27	0.24	0.27	0.35	0.34	0.41	0.48	0.74	1.16	0.62	1.84	0.21
13	1.34	1.16	0.57	0.94	1.47	1.42	1.49	0.92	0.81	0.15	0.31	0.17	0.33	0.35	0.38	0.21	0.21	0.23	0.18	0.22	0.19	0.38	0.46	0.65	0.61	1.49	0.15
14	1.40	1.48	1.56	0.66	0.58	0.71	0.68	0.70	1.02	0.72	1.03	0.74	0.30	0.18	0.34	0.31	0.36	0.34	0.18	0.24	0.37	0.35	0.35	0.31	0.62	1.56	0.18
15	0.30	0.26	0.38	0.47	0.75	1.20	1.28	1.06	1.01	1.32	1.54	1.63	0.80	0.51	0.84	1.19	0.95	0.66	0.10	-0.01	0.02	0.18	0.35	0.31	0.71	1.63	-0.01
16	0.46	0.64	0.98	1.05	0.85	0.68	0.69	0.15	-0.01	0.14	0.22	0.31	0.25	0.23	0.40	0.41	0.39	0.34	0.42	0.43	0.32	0.60	0.57	0.48	0.46	1.05	-0.01
17	0.36	1.02	1.53	1.07	0.91	0.92	0.65	0.62	0.60	0.47	0.37	0.34	0.35	0.38	0.50	0.66	0.65	0.98	1.10	0.81	0.25	0.24	0.27	0.38	0.64	1.53	0.24
18	0.41	0.46	0.29	0.09	0.18	0.24	0.33	0.79	0.80	0.23	0.28	0.19	0.13	0.29	0.41	0.43	0.68	0.69	1.22	0.80	0.74	0.46	0.50	0.46	0.46	1.22	0.09
19	0.46	0.78	0.19	0.09	0.18	0.43	0.56	0.42	0.45	0.44	0.35	0.26	0.22	0.28	0.29	0.18	0.19	0.19	0.38	0.32	0.30	0.31	1.21	0.81	0.39	1.21	0.09
20	1.04	0.58	0.47	0.80	0.89	1.09	1.38	1.56	0.97	1.06	1.02	0.41	0.24	0.14	0.13	0.15	0.08	0.09	0.04	0.09	0.24	0.23	0.21	0.23	0.55	1.56	0.04
21	0.33	0.41	0.54	0.78	0.43	0.50	0.16	0.34	0.61	0.21	0.22	0.22	0.12	0.06	0.03	-0.05	0.01	0.03	0.31	0.18	0.67	0.59	1.05	0.68	0.35	1.05	-0.05
22	1.15	1.32	1.76	0.78	0.43	0.16	0.34	1.05	1.99	1.59	2.27	0.02	0.43	0.26	0.46	0.72	0.29	0.28	0.04	0.13	0.19	0.13	0.20	0.34	0.68	2.27	0.02
23	0.20	0.15	0.19	0.41	0.18	0.26	0.17	0.36	0.08	-0.03	-0.02	-0.09	-0.10	-0.08	-0.09	-0.08	-0.08	-0.08	-0.06	-0.05	-0.06	-0.06	-0.07	-0.07	0.04	0.41	-0.10
24	-0.11	-0.11	-0.10	-0.08	-0.07	-0.06	-0.06	-0.06	-0.11	-0.17	-0.23	-0.34	-0.34	-0.34	-0.10	-0.17	-0.15	-0.10	-0.07	-0.08	-0.08	-0.09	-0.09	-0.08	-0.13	-0.06	-0.34
25	-0.06	-0.05	0.03	0.10	0.52	2.24	1.11	2.57	2.64	1.92	2.66	0.68	0.20	0.10	0.24	0.40	1.08	2.50	1.64	2.73	2.08	1.85	2.74	2.69	1.36	2.74	-0.06
26	2.61	1.99	2.72	2.11	2.74	2.08	2.73	2.30	2.85	2.59	1.21	1.15	1.22	1.81	2.25	1.11	1.66	2.66	2.22	2.69	2.98	2.67	2.69	2.79	2.24	2.98	1.11
27	1.10	1.09	0.91	0.52	1.27	1.86	1.46	1.47	1.75	0.39	0.08	1.10	0.93	0.31	0.22	0.12	-0.03	-0.05	0.00	-0.04	-0.02	-0.01	-0.02	-0.03	0.60	1.86	-0.05
28	-0.05	-0.03	0.12	-0.02	-0.03	-0.03	-0.02	-0.07	-0.10	-0.10	-0.13	-0.14	-0.17	-0.19	-0.24	-0.25	-0.21	-0.11	-0.01	0.00	-0.06	-0.03	-0.03	-0.06	-0.08	0.12	-0.25
Avg	0.90	0.87	0.84	0.73	0.75	0.80	0.80	0.81	0.79	0.66	0.69	0.50	0.31	0.28	0.32	0.37	0.46	0.67	0.79	0.79	0.80	0.76	0.84	0.82	0.68	1.67	0.07
Max	2.61	2.29	2.72	2.11	2.74	2.24	2.73	2.57	2.85	2.59	2.66	1.97	1.79	1.81	2.25	1.66	1.93	2.66	3.35	2.73	2.98	2.67	2.74	2.79	2.24	3.35	1.11
Min	-0.11	-0.11	-0.10	-0.08	-0.07	-0.06	-0.06	-0.07	-0.11	-0.17	-0.25	-0.34	-0.34	-0.34	-0.24	-0.25	-0.21	-0.11	-0.07	-0.08	-0.08	-0.09	-0.09	-0.08	-0.13	-0.06	-0.34

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	-0.06	-0.07	-0.07	-0.07	-0.07	-0.10	-0.08	-0.10	-0.15	-0.13	-0.17	-0.21	-0.24	-0.29	-0.31	-0.27	0.05	0.35	0.22	-0.10	-0.19	-0.22	-0.23	-0.17	-0.11	0.35	-0.31
2	-0.13	-0.19	-0.13	-0.11	-0.13	-0.15	0.17	-0.13	-0.19	-0.21	-0.17	-0.22	0.80	0.23	0.58	0.42	0.46	0.10	0.10	0.26	0.11	0.17	0.29	0.20	0.09	0.80	-0.22
3	0.13	0.07	0.06	0.34	0.96	0.52	0.45	0.70	0.56	0.34	0.44	0.19	0.28	-0.12	0.28	0.44	0.26	0.30	0.36	0.34	0.45	0.11	0.19	0.29	0.33	0.96	-0.12
4	0.42	0.56	0.74	0.50	0.53	0.47	0.64	0.54	0.56	0.30	0.29	0.20	0.19	0.24	0.22	0.18	0.34	0.96	0.87	0.56	0.82	0.57	0.70	0.77	0.51	0.96	0.18
5	1.15	1.36	0.75	0.83	0.64	0.91	0.47	0.96	0.81	0.53	0.46	0.45	0.56	0.45	0.60	0.61	0.66	0.74	0.72	0.65	0.30	0.44	0.71	0.52	0.68	1.36	0.30
6	0.28	0.83	0.77	0.65	0.86	1.08	1.28	0.38	0.14	0.49	0.30	0.32	0.26	0.34	0.39	0.40	0.39	0.46	0.54	0.77	0.44	0.50	0.68	0.40	0.54	1.28	0.14
7	0.47	0.46	0.47	0.28	0.15	0.05	0.03	0.04	0.09	0.09	0.14	0.11	0.16	0.21	0.27	0.24	0.26	0.21	0.22	0.33	0.61	1.10	1.25	1.44	0.36	1.44	0.03
8	1.26	2.45	2.58	1.85	0.87	1.45	1.50	1.56	1.41	0.92	1.08	1.28	0.42	1.22	1.02	1.00	0.49	0.37	0.90	1.37	1.33	0.89	1.46	0.87	1.23	2.58	0.37
9	0.81	0.83	0.75	0.59	0.84	0.79	0.53	0.82	0.54	0.59	0.79	0.87	0.83	0.77	0.89	0.82	1.08	0.87	0.94	0.70	1.05	1.20	0.77	0.64	0.80	1.20	0.53
10	0.73	0.89	0.43	0.11	0.03	0.00	0.02	0.01	0.00	-0.03	-0.08	-0.05	-0.03	-0.11	0.01	-0.05	-0.06	-0.02	0.00	-0.01	0.01	0.07	0.02	0.01	0.08	0.89	-0.11
11	0.03	0.12	0.23	0.49	0.74	1.25	1.79	1.89	1.88	1.07	1.20	0.54	0.09	0.05	0.10	0.17	0.29	0.63	0.71	1.65	1.79	2.13	2.36	3.68	1.04	3.68	0.03
12	1.08	1.07	1.40	1.86	1.94	1.39	1.40	1.58	1.16	2.13	1.56	Au	Au	Au	0.25	0.20	0.61	1.17	0.91	0.76	1.70	2.61	2.14	2.59	1.41	2.61	0.20
13	2.19	1.36	2.00	2.36	2.23	1.91	2.26	1.53	0.54	1.39	0.37	0.32	0.31	0.28	0.30	0.38	0.55	0.71	1.10	1.38	1.11	0.68	1.57	1.44	1.18	2.36	0.28
14	1.60	1.64	1.31	1.37	2.00	1.72	1.49	1.69	1.32	1.06	2.79	0.44	0.24	0.22	0.33	0.24	0.30	0.19	0.27	0.28	0.23	0.13	0.20	0.21	0.89	2.79	0.13
15	0.08	-0.02	-0.01	0.00	0.00	0.01	0.01	0.02	0.08	0.13	0.05	0.07	0.09	0.27	0.35	0.32	0.30	0.47	0.94	0.53	0.56	0.82	1.07	2.56	0.36	2.56	-0.02
16	0.87	0.98	0.66	1.02	1.07	1.11	1.43	1.04	1.80	0.57	0.76	0.51	0.58	0.80	0.86	0.94	0.93	1.20	1.37	2.09	1.84	2.49	1.97	1.06	1.16	2.49	0.51
17	0.76	1.10	1.01	1.26	1.19	1.11	0.91	0.45	0.51	0.08	0.05	-0.02	-0.03	-0.07	-0.08	-0.07	-0.06	-0.03	-0.01	0.18	0.04	0.03	0.12	0.58	0.38	1.26	-0.08
18	1.75	1.47	0.51	0.53	1.08	0.75	0.40	0.24	-0.07	-0.02	0.00	0.08	0.03	0.21	0.24	0.28	0.17	0.21	0.31	1.39	0.94	1.94	2.48	1.75	0.69	2.48	-0.07
19	1.11	1.28	1.49	1.54	1.82	1.45	1.29	1.40	1.15	1.75	1.03	0.36	0.27	0.52	0.48	0.49	0.63	0.64	0.78	0.97	2.41	1.85	1.87	1.09	1.15	2.41	0.27
20	1.25	0.97	0.79	0.09	0.16	0.17	0.23	0.40	0.36	0.49	0.27	0.24	0.19	0.12	0.16	0.18	0.24	0.27	0.27	0.17	0.21	0.08	0.10	0.06	0.31	1.25	0.06
21	0.00	0.00	0.02	0.15	0.75	1.03	1.10	0.60	0.94	0.76	-0.18	-0.30	-0.27	-0.28	-0.21	-0.05	0.08	0.18	0.21	0.20	-0.02	-0.04	-0.05	0.13	0.20	1.10	-0.30
22	0.17	0.24	0.44	0.41	0.53	1.04	1.47	1.49	1.93	1.56	0.13	-0.18	-0.47	-0.54	-0.16	-0.13	-0.01	0.88	1.04	0.84	0.21	0.41	0.17	0.22	0.49	1.93	-0.54
23	0.28	0.26	0.25	0.16	0.09	-0.06	-0.07	-0.09	-0.10	0.26	-0.01	-0.02	0.03	0.03	0.12	0.05	0.16	1.07	0.96	2.11	2.10	2.35	1.19	0.48	0.48	2.35	-0.10
24	0.13	0.19	0.05	0.09	0.00	-0.05	-0.07	-0.04	-0.10	-0.15	-0.22	-0.18	-0.45	-0.31	-0.14	-0.12	0.38	0.32	0.70	0.72	0.83	0.53	0.52	0.31	0.12	0.83	-0.45
25	0.29	0.20	0.72	0.97	1.34	0.88	1.10	0.96	0.87	0.18	1.40	0.97	0.88	0.96	1.27	0.54	2.09	1.56	2.00	1.03	0.88	0.81	0.82	0.80	0.98	2.09	0.18
26	0.93	1.28	0.82	0.64	0.81	0.75	0.88	0.77	0.85	0.27	0.29	0.40	0.45	0.45	0.43	0.54	0.44	0.23	0.19	0.23	0.21	0.06	0.04	-0.07	0.50	1.28	-0.07
27	-0.08	-0.08	-0.08	-0.07	0.07	0.09	0.02	0.08	0.01	-0.06	-0.05	-0.06	-0.09	0.00	-0.05	-0.01	0.02	0.04	0.09	0.14	0.47	0.12	-0.07	-0.07	0.02	0.47	-0.09
28	0.09	-0.05	-0.05	-0.03	0.02	0.25	1.06	0.93	0.76	0.37	0.27	0.25	0.24	0.28	0.40	0.52	0.51	0.63	0.63	0.63	0.71	0.75	0.54	0.54	0.43	1.06	-0.05
29	0.62	0.71	0.39	0.37	0.61	0.69	0.67	0.55	0.37	0.23	0.00	0.00	0.01	0.08	0.01	0.05	0.18	0.25	0.25	0.31	0.54	0.30	0.34	0.15	0.32	0.71	0.00
30	0.08	0.11	0.01	0.15	0.08	0.13	0.30	0.61	0.40	0.87	0.40	0.06	0.10	0.12	0.06	0.01	0.01	0.03	0.01	0.01	0.01	0.07	0.06	0.11	0.16	0.87	0.01
31	0.13	0.11	0.14	0.16	0.09	0.11	0.06	0.00	-0.15	-0.06	-0.17	-0.44	-0.23	-0.10	-0.04	-0.04	0.33	1.17	0.55	0.40	1.16	0.56	0.41	0.66	0.20	1.17	-0.44
Avg	0.59	0.65	0.60	0.60	0.69	0.67	0.73	0.67	0.59	0.51	0.42	0.20	0.17	0.20	0.28	0.27	0.39	0.52	0.59	0.67	0.74	0.76	0.76	0.75	0.54	1.60	0.01
Max	2.19	2.45	2.58	2.36	2.23	1.91	2.26	1.89	1.93	2.13	2.79	1.28	0.88	1.22	1.27	1.00	2.09	1.56	2.00	2.11	2.41	2.61	2.48	3.68	1.41	3.68	0.53
Min	-0.13	-0.19	-0.13	-0.11	-0.13	-0.15	-0.08	-0.13	-0.19	-0.21	-0.22	-0.44	-0.47	-0.54	-0.31	-0.27	-0.06	-0.03	-0.01	-0.10	-0.19	-0.22	-0.23	-0.17	-0.11	0.35	-0.54

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	78.7	159.4	186.0	246.1	168.7	227.7	104.5	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.5	246.1	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.7	42.7	129.2	295.0	327.8	332.1	235.9	118.7	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.9	332.1	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.7	100.5	279.8	371.3	274.8	92.4	80.2	60.1	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.2	371.3	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	61.6	119.5	149.1	259.7	296.6	135.7	87.6	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.4	296.6	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	33.3	172.7	286.4	363.2	389.5	362.9	286.6	171.9	32.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.5	389.5	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.4	153.5	272.7	353.5	380.1	379.9	288.5	114.1	19.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.8	380.1	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	75.4	151.2	202.9	335.8	303.4	225.6	105.2	18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.9	335.8	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	19.8	28.5	38.8	46.9	88.6	105.3	67.0	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.3	105.3	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	52.3	96.1	174.0	174.4	348.4	433.8	215.1	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.3	433.8	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	86.2	184.5	199.2	144.7	127.7	85.0	66.1	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.4	199.2	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.3	68.6	83.6	259.9	171.0	51.4	102.2	35.2	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.4	259.9	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.4	65.6	135.5	168.8	272.6	173.5	156.8	62.2	40.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.6	272.6	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	50.0	143.3	186.7	247.2	256.6	168.9	164.2	121.9	64.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.5	256.6	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	89.6	145.1	395.9	426.9	384.4	273.7	231.4	39.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	83.5	426.9	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.4	163.0	333.9	137.2	162.4	178.8	269.9	138.2	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.8	333.9	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.3	219.4	263.1	366.9	364.3	371.3	306.0	182.8	62.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0	91.2	371.3	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.5	102.6	216.0	312.0	398.1	388.7	315.8	200.6	77.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	85.0	398.1	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	30.2	79.7	158.4	296.3	418.6	401.9	329.6	212.6	61.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	82.9	418.6	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.7	45.3	60.7	76.2	117.4	107.4	76.4	35.3	7.8	4.0	0.0	0.0	0.0	0.0	0.0	0.0	22.8	117.4	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	48.3	188.1	312.3	401.4	435.7	413.5	339.9	224.2	77.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0	101.8	435.7	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	24.6	108.1	239.5	386.1	425.9	412.1	259.9	55.0	27.1	1.9	0.0	0.0	0.0	0.0	0.0	0.0	80.9	425.9	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	22.6	40.7	60.4	72.0	70.6	64.1	32.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.6	72.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	40.3	82.4	235.5	267.1	402.5	323.6	236.8	54.4	2.9	0.0	0.0	0.0	0.0	0.0	0.0	69.1	402.5	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.5	79.6	289.5	356.7	433.7	415.7	332.1	219.4	80.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	93.1	433.7	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	37.3	175.5	323.2	416.1	448.6	427.7	354.6	238.7	95.9	2.5	0.0	0.0	0.0	0.0	0.0	0.0	105.0	448.6	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.5	136.6	236.4	238.6	124.4	141.6	184.4	134.9	25.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0	52.3	238.6	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	70.5	228.2	346.3	434.3	471.8	460.2	379.3	256.1	109.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	115.0	471.8	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	62.8	227.2	350.7	439.9	476.1	447.6	382.3	205.6	57.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	110.6	476.1	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	19.1	47.1	80.2	95.9	102.9	82.8	57.2	24.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0	21.6	102.9	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	47.7	162.7	200.2	286.7	242.4	208.0	173.1	111.1	51.7	3.8	0.0	0.0	0.0	0.0	0.0	0.0	62.0	286.7	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	13.3	41.2	61.7	79.3	74.8	72.0	69.0	37.5	15.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	19.4	79.3	0.0
Avg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	26.4	104.8	187.8	258.3	281.8	267.8	227.2	133.5	38.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	63.6	316.7	0.0
Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	70.5	228.2	350.7	439.9	476.1	460.2	433.8	256.1	109.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0	115.0	476.1	0.0
Min	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	19.1	28.5	38.8	46.9	51.4	64.1	32.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.6	72.0	0.0

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	29.0	74.9	114.9	152.2	184.5	195.5	197.8	195.7	158.1	15.2	0.0	0.0	0.0	0.0	0.0	0.0	55.0	197.8	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	17.6	56.3	100.0	133.8	145.2	160.4	129.7	92.0	30.8	3.0	0.0	0.0	0.0	0.0	0.0	0.0	36.2	160.4	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	49.7	113.4	202.9	220.6	240.3	247.8	212.3	125.4	60.0	10.1	0.0	0.0	0.0	0.0	0.0	0.0	61.8	247.8	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	52.0	193.9	280.3	366.9	316.7	364.9	222.3	259.1	114.9	14.3	0.0	0.0	0.0	0.0	0.0	0.0	91.2	366.9	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	49.9	146.5	247.1	321.6	373.5	374.8	318.6	219.5	102.3	13.1	0.0	0.0	0.0	0.0	0.0	0.0	90.4	374.8	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	82.4	213.7	333.8	422.3	469.8	477.6	426.3	309.6	152.1	16.2	0.0	0.0	0.0	0.0	0.0	0.0	121.1	477.6	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	31.7	93.4	151.3	131.7	180.4	114.8	119.0	230.9	158.0	33.6	0.0	0.0	0.0	0.0	0.0	0.0	51.9	230.9	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	50.1	141.5	284.8	373.8	446.7	414.0	396.3	311.6	137.0	12.6	0.0	0.0	0.0	0.0	0.0	0.0	107.1	446.7	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	54.2	158.3	375.5	509.5	497.7	467.6	288.0	165.4	61.5	11.0	0.0	0.0	0.0	0.0	0.0	0.0	108.0	509.5	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	60.5	148.5	167.7	448.4	565.0	473.1	219.5	164.6	57.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	96.4	565.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	37.1	145.3	203.7	177.2	232.9	179.7	472.6	297.3	180.9	25.4	0.0	0.0	0.0	0.0	0.0	0.0	81.4	472.6	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	27.1	115.2	233.3	322.1	281.2	199.4	291.2	326.5	170.0	36.4	0.0	0.0	0.0	0.0	0.0	0.0	83.5	326.5	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	48.0	252.2	442.5	486.0	616.1	558.0	471.0	214.5	117.0	14.1	0.0	0.0	0.0	0.0	0.0	0.0	134.4	616.1	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	50.2	106.2	125.6	124.2	145.9	265.7	96.5	118.5	61.2	14.6	0.0	0.0	0.0	0.0	0.0	0.0	46.4	265.7	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	134.0	306.9	380.5	531.1	578.8	552.8	385.1	183.3	59.3	9.7	0.0	0.0	0.0	0.0	0.0	0.0	130.4	578.8	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	40.8	89.7	209.3	322.7	266.6	416.6	325.1	183.7	82.1	31.4	0.0	0.0	0.0	0.0	0.0	0.0	82.1	416.6	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	105.0	328.0	463.5	551.1	591.0	620.2	484.5	349.1	195.0	25.2	0.0	0.0	0.0	0.0	0.0	0.0	155.2	620.2	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.9	85.5	217.5	351.1	404.7	231.9	232.3	212.0	125.7	84.6	55.2	0.0	0.0	0.0	0.0	0.0	0.0	83.8	404.7	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	73.7	251.2	512.8	587.2	411.5	335.7	291.0	393.5	299.5	73.5	0.0	0.0	0.0	0.0	0.0	0.0	134.8	587.2	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.5	177.2	247.9	202.1	163.0	169.2	167.6	120.6	86.0	48.8	32.5	0.0	0.0	0.0	0.0	0.0	0.0	59.6	247.9	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7	60.5	154.0	347.8	421.5	346.0	416.6	223.7	136.5	81.1	16.8	0.0	0.0	0.0	0.0	0.0	0.0	92.3	421.5	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9	180.2	327.6	489.6	575.8	592.2	511.4	359.0	211.1	90.4	30.1	0.0	0.0	0.0	0.0	0.0	0.0	141.1	592.2	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	64.0	163.0	321.8	374.5	466.4	331.0	210.9	148.5	80.1	17.3	0.0	0.0	0.0	0.0	0.0	0.0	91.1	466.4	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	75.0	154.7	290.9	351.3	368.7	424.5	381.6	289.3	145.7	33.6	0.0	0.0	0.0	0.0	0.0	0.0	105.5	424.5	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	215.2	384.9	525.8	617.5	656.8	630.9	549.4	424.4	260.6	78.7	0.9	0.0	0.0	0.0	0.0	0.0	181.6	656.8	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.1	14.7	209.0	377.3	517.0	623.6	665.4	642.1	559.7	433.0	265.1	69.2	0.5	0.0	0.0	0.0	0.0	0.0	182.4	665.4	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.2	224.8	339.9	463.5	568.8	411.3	512.5	490.2	189.5	58.4	15.2	0.0	0.0	0.0	0.0	0.0	0.0	137.5	568.8	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6	86.7	187.4	244.7	312.6	297.5	369.2	298.4	225.7	94.0	22.0	0.2	0.0	0.0	0.0	0.0	0.0	89.9	369.2	0.0
Avg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	84.7	196.0	306.6	378.4	383.9	380.6	312.6	228.9	121.7	26.2	0.1	0.0	0.0	0.0	0.0	0.0	101.1	438.5	0.0
Max	0.0	0.0	0.0	0.0	0.0	0.0	0.1	25.2	224.8	384.9	525.8	623.6	665.4	642.1	559.7	433.0	299.5	78.7	0.9	0.0	0.0	0.0	0.0	0.0	182.4	665.4	0.0
Min	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	17.6	56.3	100.0	124.2	145.2	114.8	96.5	86.0	30.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0	36.2	160.4	0.0

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9	63.3	159.1	273.6	354.2	362.3	425.4	379.0	235.1	114.4	86.6	1.4	0.0	0.0	0.0	0.0	0.0	102.8	425.4	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.3	83.3	168.1	280.7	419.7	465.4	365.7	367.0	259.7	122.5	42.7	0.8	0.0	0.0	0.0	0.0	0.0	108.0	465.4	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.4	80.4	186.3	453.3	586.4	556.9	407.5	564.4	174.5	56.8	26.9	0.8	0.0	0.0	0.0	0.0	0.0	130.2	586.4	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.1	132.7	429.4	556.6	664.3	730.0	480.6	343.3	168.0	159.0	46.8	1.4	0.0	0.0	0.0	0.0	0.0	156.1	730.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.5	135.2	339.1	395.3	424.6	341.1	293.1	203.9	151.7	114.0	24.0	0.4	0.0	0.0	0.0	0.0	0.0	102.4	424.6	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.2	64.4	105.9	419.8	457.7	331.8	202.3	309.2	286.8	82.6	57.3	3.7	0.0	0.0	0.0	0.0	0.0	97.4	457.7	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	1.6	51.9	179.7	182.8	548.3	642.5	371.8	308.2	224.0	190.3	108.7	37.1	3.4	0.0	0.0	0.0	0.0	0.0	118.8	642.5	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	1.4	94.8	274.3	425.0	360.7	391.9	526.4	345.4	268.6	142.9	73.5	33.8	3.7	0.0	0.0	0.0	0.0	0.0	122.6	526.4	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.4	34.5	116.5	215.1	333.4	543.2	502.7	587.0	425.2	209.4	233.9	79.9	3.6	0.0	0.0	0.0	0.0	0.0	136.9	587.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	24.6	41.2	77.1	165.4	214.3	222.5	203.9	139.5	64.5	25.1	1.0	0.0	0.0	0.0	0.0	0.0	49.5	222.5	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	1.7	100.2	179.5	263.4	621.2	707.0	738.3	720.4	630.9	502.0	332.2	125.4	4.8	0.0	0.0	0.0	0.0	0.0	205.3	738.3	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	3.6	53.4	220.2	492.0	514.2	Au	Au	Au	616.2	483.5	315.3	132.8	8.1	0.0	0.0	0.0	0.0	0.0	135.2	616.2	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	4.0	97.1	215.6	480.4	455.7	417.9	444.9	405.7	543.5	502.9	323.8	136.1	5.4	0.0	0.0	0.0	0.0	0.0	168.0	543.5	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	6.7	42.0	244.3	202.6	228.4	281.5	335.1	254.5	132.7	82.6	52.4	26.4	2.9	0.0	0.0	0.0	0.0	0.0	78.8	335.1	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	3.5	80.5	201.3	423.4	688.4	685.7	557.1	573.6	441.4	262.9	200.8	72.1	3.9	0.0	0.0	0.0	0.0	0.0	174.8	688.4	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	2.4	47.9	148.9	424.2	533.0	352.7	487.4	597.4	374.5	169.7	88.7	38.4	2.4	0.0	0.0	0.0	0.0	0.0	136.2	597.4	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	2.0	30.9	64.1	183.7	298.7	425.2	419.7	432.3	385.8	210.6	134.3	66.2	7.5	0.0	0.0	0.0	0.0	0.0	110.9	432.3	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	5.1	42.2	89.2	198.0	524.3	551.6	378.7	394.3	441.5	324.5	156.0	58.9	7.2	0.0	0.0	0.0	0.0	0.0	132.1	551.6	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	15.4	140.7	304.4	460.6	436.2	467.0	591.4	361.6	407.6	246.5	204.4	65.4	13.0	0.0	0.0	0.0	0.0	0.0	154.8	591.4	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	9.0	91.2	248.1	550.7	594.1	525.5	525.3	612.7	424.3	317.9	171.6	64.0	6.7	0.0	0.0	0.0	0.0	0.0	172.5	612.7	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	10.7	86.6	294.9	528.9	684.3	750.0	683.3	721.7	674.1	539.1	362.2	158.3	14.3	0.0	0.0	0.0	0.0	0.0	229.5	750.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	10.0	71.8	206.4	333.6	476.2	789.2	803.0	763.9	674.7	541.3	291.0	106.0	11.6	0.0	0.0	0.0	0.0	0.0	211.6	803.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	5.7	30.2	64.8	88.7	129.3	219.4	350.8	717.2	589.6	564.2	406.3	192.8	18.4	0.0	0.0	0.0	0.0	0.0	140.7	717.2	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	11.1	83.2	158.3	294.2	489.2	603.2	821.0	623.6	532.0	410.0	179.4	98.6	20.2	0.0	0.0	0.0	0.0	0.0	180.2	821.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	14.0	91.1	195.9	374.1	647.9	591.8	710.2	574.3	393.0	376.7	223.5	121.5	12.1	0.0	0.0	0.0	0.0	0.0	180.3	710.2	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	13.0	109.7	291.2	428.7	539.7	758.5	737.0	412.5	657.4	419.8	131.6	49.3	10.4	0.0	0.0	0.0	0.0	0.0	190.0	758.5	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	10.5	106.5	186.0	471.4	446.1	555.1	499.9	457.4	236.0	217.0	157.1	107.2	25.4	0.0	0.0	0.0	0.0	0.0	144.8	555.1	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	31.9	111.8	165.0	244.6	628.6	507.7	620.2	614.1	410.9	282.1	161.8	62.0	22.2	0.0	0.0	0.0	0.0	0.0	161.0	628.6	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	8.1	33.9	79.0	109.4	201.4	189.3	189.5	242.3	312.3	252.1	144.9	70.0	13.5	0.0	0.0	0.0	0.0	0.0	76.9	312.3	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	22.5	98.6	251.2	297.4	374.6	317.1	315.7	315.0	276.2	248.0	215.9	101.0	13.7	0.0	0.0	0.0	0.0	0.0	118.6	374.6	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	17.6	132.1	214.6	303.6	489.8	536.9	552.3	487.1	345.1	455.3	326.4	76.8	20.7	0.0	0.0	0.0	0.0	0.0	164.9	552.3	0.0
Avg	0.0	0.0	0.0	0.0	0.0	0.0	6.8	65.0	167.0	303.4	441.9	496.1	505.4	464.0	412.5	302.1	184.2	77.1	8.5	0.0	0.0	0.0	0.0	0.0	141.7	572.8	0.0
Max	0.0	0.0	0.0	0.0	0.0	0.0	31.9	140.7	304.4	550.7	688.4	789.2	821.0	763.9	674.7	564.2	406.3	192.8	25.4	0.0	0.0	0.0	0.0	0.0	229.5	821.0	0.0
Min	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	24.6	41.2	77.1	165.4	189.5	202.3	132.7	82.6	52.4	24.0	0.4	0.0	0.0	0.0	0.0	0.0	49.5	222.5	0.0

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	24.38	24.39	24.41	24.44	24.46	24.47	24.50	24.52	24.54	24.56	24.57	24.56	24.55	24.53	24.52	24.52	24.52	24.53	24.54	24.54	24.54	24.54	24.54	24.54	24.51	24.57	24.38
2	24.53	24.52	24.52	24.51	24.51	24.50	24.50	24.48	24.47	24.47	24.46	24.44	24.42	24.39	24.37	24.35	24.33	24.31	24.29	24.28	24.27	24.24	24.20	24.17	24.40	24.53	24.17
3	24.13	24.08	24.06	24.03	23.99	23.95	23.95	23.91	23.93	23.97	23.99	24.00	24.01	24.02	24.06	24.12	24.17	24.20	24.23	24.24	24.26	24.27	24.28	24.28	24.09	24.28	23.91
4	24.28	24.29	24.29	24.30	24.30	24.29	24.30	24.29	24.31	24.34	24.36	24.38	24.37	24.37	24.39	24.40	24.41	24.41	24.42	24.42	24.43	24.45	24.47	24.50	24.37	24.50	24.28
5	24.52	24.54	24.57	24.59	24.60	24.60	24.62	24.64	24.67	24.71	24.71	24.71	24.70	24.69	24.68	24.68	24.67	24.64	24.62	24.60	24.59	24.58	24.57	24.57	24.63	24.71	24.52
6	24.55	24.55	24.56	24.56	24.57	24.57	24.57	24.56	24.56	24.57	24.55	24.52	24.49	24.47	24.45	24.43	24.43	24.42	24.41	24.40	24.39	24.39	24.38	24.37	24.49	24.57	24.37
7	24.36	24.35	24.35	24.35	24.33	24.32	24.32	24.32	24.33	24.33	24.34	24.33	24.31	24.30	24.30	24.31	24.31	24.32	24.31	24.31	24.31	24.31	24.31	24.30	24.32	24.36	24.30
8	24.29	24.29	24.29	24.29	24.29	24.27	24.26	24.26	24.27	24.28	24.28	24.28	24.25	24.23	24.22	24.23	24.22	24.21	24.20	24.19	24.18	24.16	24.15	24.13	24.24	24.29	24.13
9	24.11	24.10	24.09	24.07	24.06	24.04	24.04	24.03	24.04	24.04	24.05	24.05	24.03	24.02	24.03	24.06	24.07	24.09	24.09	24.10	24.10	24.08	24.06	24.05	24.06	24.11	24.02
10	24.03	24.02	24.02	24.01	24.00	24.00	24.00	23.99	24.00	24.02	24.03	24.03	24.03	24.03	24.05	24.07	24.09	24.11	24.13	24.16	24.17	24.19	24.20	24.20	24.07	24.20	23.99
11	24.19	24.18	24.16	24.15	24.14	24.12	24.10	24.06	24.02	23.99	23.96	23.90	23.85	23.86	23.83	23.81	23.83	23.90	23.89	23.90	23.89	23.88	23.87	23.88	23.97	24.19	23.81
12	23.85	23.84	23.85	23.84	23.84	23.86	23.88	23.90	23.94	23.98	24.02	24.05	24.06	24.08	24.11	24.14	24.16	24.19	24.19	24.19	24.19	24.17	24.17	24.18	24.03	24.19	23.84
13	24.18	24.17	24.18	24.19	24.19	24.18	24.17	24.18	24.18	24.21	24.22	24.24	24.23	24.23	24.24	24.26	24.28	24.30	24.34	24.40	24.45	24.48	24.51	24.54	24.27	24.54	24.17
14	24.56	24.56	24.59	24.60	24.62	24.63	24.63	24.64	24.65	24.67	24.69	24.69	24.69	24.67	24.65	24.66	24.65	24.64	24.62	24.61	24.60	24.59	24.58	24.56	24.63	24.69	24.56
15	24.53	24.52	24.53	24.53	24.53	24.53	24.52	24.50	24.47	24.49	24.52	24.52	24.51	24.50	24.50	24.51	24.52	24.52	24.52	24.54	24.56	24.57	24.58	24.61	24.53	24.61	24.47
16	24.62	24.63	24.65	24.64	24.64	24.64	24.65	24.66	24.67	24.67	24.68	24.67	24.66	24.65	24.64	24.63	24.63	24.62	24.62	24.62	24.62	24.62	24.60	24.60	24.64	24.68	24.60
17	24.58	24.57	24.57	24.56	24.54	24.53	24.51	24.50	24.49	24.50	24.50	24.50	24.49	24.49	24.49	24.49	24.50	24.50	24.51	24.53	24.55	24.56	24.58	24.59	24.53	24.59	24.49
18	24.60	24.60	24.61	24.61	24.60	24.59	24.59	24.58	24.58	24.58	24.56	24.55	24.53	24.51	24.50	24.49	24.48	24.47	24.45	24.45	24.45	24.44	24.44	24.43	24.53	24.61	24.43
19	24.42	24.41	24.42	24.42	24.41	24.40	24.39	24.38	24.37	24.37	24.37	24.37	24.35	24.34	24.33	24.34	24.36	24.36	24.37	24.38	24.40	24.44	24.47	24.51	24.39	24.51	24.33
20	24.55	24.57	24.60	24.63	24.64	24.66	24.68	24.69	24.69	24.70	24.70	24.70	24.69	24.67	24.66	24.66	24.64	24.64	24.64	24.63	24.63	24.63	24.62	24.62	24.65	24.70	24.55
21	24.61	24.61	24.61	24.61	24.61	24.60	24.59	24.59	24.61	24.61	24.60	24.60	24.58	24.57	24.55	24.54	24.54	24.54	24.54	24.54	24.55	24.54	24.54	24.54	24.58	24.61	24.54
22	24.52	24.51	24.50	24.49	24.48	24.48	24.47	24.47	24.46	24.47	24.47	24.47	24.47	24.47	24.48	24.50	24.52	24.54	24.56	24.59	24.61	24.63	24.66	24.67	24.52	24.67	24.46
23	24.67	24.68	24.69	24.70	24.71	24.71	24.72	24.72	24.71	24.71	24.70	24.69	24.67	24.66	24.64	24.63	24.62	24.63	24.64	24.65	24.65	24.66	24.67	24.67	24.67	24.72	24.62
24	24.66	24.66	24.67	24.68	24.68	24.68	24.67	24.67	24.66	24.67	24.67	24.67	24.67	24.65	24.64	24.63	24.62	24.61	24.62	24.63	24.64	24.64	24.65	24.65	24.65	24.68	24.61
25	24.64	24.63	24.63	24.62	24.60	24.59	24.57	24.56	24.55	24.52	24.51	24.49	24.47	24.45	24.44	24.44	24.45	24.45	24.45	24.45	24.46	24.44	24.42	24.40	24.51	24.64	24.40
26	24.38	24.36	24.34	24.33	24.32	24.33	24.34	24.36	24.39	24.41	24.45	24.50	24.51	24.52	24.53	24.53	24.54	24.53	24.53	24.53	24.52	24.51	24.50	24.50	24.45	24.54	24.32
27	24.49	24.48	24.48	24.48	24.47	24.46	24.45	24.45	24.47	24.49	24.49	24.48	24.47	24.45	24.47	24.49	24.50	24.51	24.52	24.53	24.53	24.54	24.52	24.52	24.49	24.54	24.45
28	24.52	24.50	24.49	24.47	24.46	24.45	24.45	24.45	24.45	24.46	24.44	24.41	24.39	24.37	24.35	24.32	24.31	24.31	24.31	24.31	24.31	24.31	24.30	24.27	24.39	24.52	24.27
29	24.26	24.24	24.22	24.21	24.20	24.18	24.14	24.11	24.09	24.06	24.02	23.98	23.94	23.90	23.89	23.88	23.88	23.89	23.90	23.89	23.89	23.89	23.91	23.94	24.02	24.26	23.88
30	23.97	24.00	24.03	24.05	24.07	24.09	24.10	24.13	24.14	24.16	24.17	24.18	24.17	24.16	24.15	24.15	24.16	24.15	24.15	24.15	24.14	24.14	24.14	24.12	24.12	24.18	23.97
31	24.12	24.10	24.09	24.08	24.08	24.08	24.08	24.08	24.09	24.09	24.09	24.09	24.07	24.07	24.07	24.09	24.11	24.14	24.16	24.18	24.20	24.21	24.22	24.23	24.12	24.23	24.07
Avg	24.39	24.39	24.39	24.39	24.39	24.38	24.38	24.38	24.38	24.39	24.39	24.39	24.38	24.37	24.36	24.37	24.37	24.38	24.38	24.39	24.39	24.39	24.39	24.39	24.38	24.48	24.29
Max	24.67	24.68	24.69	24.70	24.71	24.71	24.72	24.72	24.71	24.71	24.71	24.71	24.70	24.69	24.68	24.68	24.67	24.64	24.64	24.65	24.65	24.66	24.67	24.67	24.67	24.72	24.62
Min	23.85	23.84	23.85	23.84	23.84	23.86	23.88	23.90	23.93	23.97	23.96	23.90	23.85	23.86	23.83	23.81	23.83	23.89	23.89	23.89	23.89	23.88	23.87	23.88	23.97	24.11	23.81

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	24.24	24.25	24.27	24.26	24.26	24.27	24.27	24.28	24.29	24.33	24.34	24.34	24.32	24.29	24.27	24.27	24.28	24.28	24.27	24.26	24.26	24.25	24.25	24.24	24.28	24.34	24.24
2	24.24	24.24	24.25	24.26	24.26	24.26	24.26	24.28	24.28	24.28	24.28	24.27	24.25	24.23	24.21	24.21	24.21	24.20	24.21	24.20	24.19	24.18	24.18	24.18	24.23	24.28	24.18
3	24.18	24.17	24.18	24.19	24.19	24.20	24.20	24.21	24.23	24.24	24.24	24.24	24.24	24.24	24.25	24.27	24.28	24.30	24.32	24.33	24.34	24.35	24.36	24.37	24.25	24.37	24.17
4	24.38	24.38	24.39	24.40	24.40	24.41	24.41	24.42	24.45	24.48	24.50	24.50	24.48	24.48	24.48	24.49	24.49	24.50	24.51	24.52	24.53	24.54	24.54	24.54	24.47	24.54	24.38
5	24.54	24.54	24.55	24.55	24.55	24.55	24.54	24.55	24.57	24.60	24.61	24.62	24.61	24.58	24.56	24.56	24.55	24.54	24.52	24.51	24.50	24.49	24.46	24.46	24.55	24.62	24.46
6	24.44	24.42	24.40	24.38	24.37	24.36	24.34	24.33	24.32	24.33	24.33	24.32	24.30	24.28	24.25	24.23	24.22	24.19	24.16	24.14	24.12	24.11	24.09	24.07	24.27	24.44	24.07
7	24.05	24.04	24.02	24.01	24.01	24.01	24.00	24.00	24.00	24.01	24.01	24.01	24.01	24.01	24.03	24.04	24.05	24.07	24.10	24.10	24.11	24.11	24.10	24.09	24.04	24.11	24.00
8	24.09	24.09	24.09	24.08	24.09	24.11	24.13	24.16	24.20	24.23	24.26	24.28	24.30	24.31	24.32	24.34	24.35	24.35	24.35	24.35	24.33	24.33	24.32	24.32	24.24	24.35	24.08
9	24.29	24.28	24.27	24.24	24.24	24.25	24.25	24.27	24.29	24.29	24.29	24.30	24.29	24.27	24.26	24.27	24.28	24.29	24.29	24.29	24.28	24.29	24.29	24.28	24.28	24.30	24.24
10	24.28	24.28	24.29	24.29	24.29	24.30	24.30	24.32	24.33	24.33	24.34	24.35	24.35	24.35	24.34	24.34	24.33	24.32	24.31	24.29	24.29	24.28	24.26	24.25	24.31	24.35	24.25
11	24.25	24.24	24.22	24.20	24.19	24.19	24.17	24.16	24.15	24.15	24.14	24.14	24.17	24.20	24.22	24.25	24.27	24.30	24.32	24.33	24.34	24.35	24.35	24.33	24.23	24.35	24.14
12	24.33	24.31	24.28	24.24	24.19	24.14	24.09	24.05	24.03	24.00	23.96	23.95	23.94	23.95	23.95	23.97	24.00	24.03	24.07	24.08	24.11	24.13	24.14	24.13	24.09	24.33	23.94
13	24.13	24.12	24.11	24.09	24.07	24.07	24.06	24.03	24.04	24.05	24.05	24.05	24.04	24.06	24.09	24.13	24.14	24.16	24.18	24.19	24.22	24.22	24.24	24.26	24.12	24.26	24.03
14	24.29	24.30	24.32	24.31	24.30	24.30	24.28	24.27	24.26	24.24	24.20	24.17	24.14	24.11	24.10	24.09	24.08	24.08	24.08	24.09	24.09	24.11	24.13	24.14	24.19	24.32	24.08
15	24.16	24.18	24.19	24.19	24.22	24.26	24.28	24.30	24.32	24.31	24.31	24.31	24.29	24.26	24.23	24.20	24.19	24.16	24.15	24.13	24.11	24.09	24.05	24.03	24.20	24.32	24.03
16	24.02	24.00	23.97	23.95	23.93	23.92	23.90	23.93	23.97	24.00	24.00	24.02	24.03	24.04	24.04	24.06	24.09	24.14	24.15	24.18	24.21	24.23	24.23	24.24	24.05	24.24	23.90
17	24.24	24.25	24.24	24.21	24.20	24.18	24.16	24.14	24.14	24.12	24.09	24.07	24.04	24.01	23.99	23.98	23.99	23.99	23.99	23.98	23.99	24.00	23.99	24.00	24.08	24.25	23.98
18	24.01	24.03	24.07	24.10	24.12	24.16	24.18	24.22	24.24	24.25	24.25	24.26	24.26	24.25	24.23	24.22	24.19	24.15	24.12	24.10	24.07	24.04	24.01	23.98	24.15	24.26	23.98
19	23.94	23.90	23.91	23.92	23.91	23.93	23.93	23.95	23.98	23.98	23.97	23.98	23.98	23.99	24.00	24.02	24.03	24.05	24.08	24.10	24.11	24.14	24.17	24.19	24.01	24.19	23.90
20	24.21	24.23	24.25	24.27	24.28	24.28	24.28	24.27	24.27	24.26	24.24	24.21	24.18	24.15	24.13	24.11	24.10	24.08	24.09	24.10	24.10	24.12	24.12	24.13	24.19	24.28	24.08
21	24.13	24.13	24.13	24.13	24.13	24.13	24.13	24.12	24.13	24.14	24.16	24.16	24.16	24.15	24.15	24.15	24.16	24.16	24.17	24.19	24.20	24.22	24.23	24.23	24.16	24.23	24.12
22	24.26	24.26	24.27	24.27	24.28	24.28	24.28	24.29	24.30	24.30	24.30	24.30	24.28	24.26	24.26	24.27	24.27	24.28	24.30	24.30	24.31	24.32	24.32	24.31	24.29	24.32	24.26
23	24.32	24.32	24.32	24.32	24.33	24.33	24.34	24.35	24.36	24.36	24.36	24.35	24.34	24.32	24.31	24.30	24.30	24.30	24.29	24.28	24.27	24.27	24.27	24.27	24.32	24.36	24.27
24	24.27	24.27	24.29	24.30	24.32	24.34	24.37	24.39	24.42	24.44	24.46	24.46	24.45	24.44	24.43	24.44	24.43	24.43	24.43	24.41	24.40	24.39	24.38	24.39	24.39	24.46	24.27
25	24.40	24.43	24.45	24.46	24.49	24.51	24.52	24.54	24.57	24.59	24.59	24.58	24.57	24.56	24.55	24.54	24.52	24.51	24.50	24.48	24.46	24.45	24.45	24.44	24.51	24.59	24.40
26	24.43	24.43	24.42	24.41	24.41	24.41	24.41	24.41	24.44	24.44	24.42	24.40	24.38	24.36	24.33	24.32	24.30	24.28	24.28	24.27	24.25	24.24	24.22	24.21	24.35	24.44	24.21
27	24.19	24.18	24.16	24.14	24.12	24.10	24.09	24.07	24.06	24.04	24.03	24.02	24.00	23.99	23.98	23.96	23.95	23.95	23.95	23.95	23.97	24.00	24.04	24.07	24.04	24.19	23.95
28	24.10	24.13	24.14	24.16	24.16	24.20	24.20	24.20	24.22	24.21	24.21	24.22	24.21	24.19	24.18	24.19	24.20	24.21	24.22	24.24	24.25	24.27	24.28	24.29	24.20	24.29	24.10
Avg	24.23	24.23	24.23	24.23	24.23	24.23	24.23	24.23	24.25	24.25	24.25	24.25	24.24	24.23	24.22	24.22	24.22	24.22	24.23	24.23	24.23	24.23	24.23	24.23	24.23	24.24	24.13
Max	24.54	24.54	24.55	24.55	24.55	24.55	24.54	24.55	24.57	24.60	24.61	24.62	24.61	24.58	24.56	24.56	24.55	24.54	24.52	24.52	24.53	24.54	24.54	24.54	24.55	24.62	24.46
Min	23.94	23.90	23.91	23.92	23.91	23.92	23.90	23.93	23.97	23.98	23.96	23.95	23.94	23.95	23.95	23.96	23.95	23.95	23.95	23.95	23.97	24.00	23.99	23.98	24.01	24.11	23.90

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

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	24.28	24.28	24.27	24.27	24.27	24.26	24.26	24.26	24.26	24.27	24.28	24.28	24.27	24.26	24.27	24.27	24.26	24.26	24.27	24.27	24.28	24.27	24.25	24.27	24.28	24.25	
2	24.25	24.25	24.25	24.23	24.24	24.24	24.23	24.24	24.26	24.26	24.26	24.23	24.22	24.20	24.18	24.19	24.18	24.17	24.17	24.17	24.16	24.16	24.16	24.16	24.21	24.26	24.16
3	24.15	24.16	24.17	24.16	24.16	24.17	24.17	24.18	24.20	24.22	24.23	24.23	24.22	24.20	24.18	24.17	24.17	24.16	24.16	24.16	24.17	24.17	24.17	24.17	24.18	24.23	24.15
4	24.17	24.17	24.17	24.18	24.18	24.19	24.20	24.21	24.23	24.25	24.25	24.26	24.26	24.26	24.27	24.28	24.29	24.29	24.29	24.29	24.30	24.30	24.30	24.25	24.30	24.17	
5	24.29	24.29	24.30	24.30	24.30	24.29	24.28	24.27	24.27	24.27	24.26	24.23	24.21	24.20	24.20	24.21	24.19	24.19	24.19	24.20	24.20	24.20	24.18	24.14	24.24	24.30	24.14
6	24.12	24.11	24.10	24.08	24.07	24.05	24.04	24.08	24.11	24.11	24.12	24.13	24.13	24.13	24.14	24.14	24.15	24.16	24.16	24.17	24.20	24.22	24.24	24.24	24.13	24.24	24.04
7	24.25	24.26	24.26	24.27	24.28	24.29	24.31	24.33	24.34	24.36	24.36	24.37	24.38	24.39	24.40	24.41	24.43	24.45	24.46	24.47	24.48	24.48	24.49	24.50	24.38	24.50	24.25
8	24.50	24.51	24.51	24.51	24.51	24.51	24.52	24.53	24.54	24.53	24.52	24.51	24.49	24.45	24.45	24.43	24.41	24.39	24.39	24.38	24.38	24.38	24.37	24.36	24.46	24.54	24.36
9	24.35	24.35	24.32	24.31	24.30	24.30	24.29	24.28	24.29	24.31	24.32	24.32	24.32	24.31	24.30	24.29	24.31	24.30	24.31	24.32	24.31	24.30	24.30	24.29	24.31	24.35	24.28
10	24.28	24.28	24.26	24.23	24.21	24.20	24.19	24.18	24.18	24.17	24.17	24.15	24.14	24.12	24.11	24.12	24.13	24.14	24.17	24.20	24.22	24.24	24.26	24.28	24.19	24.28	24.11
11	24.31	24.35	24.38	24.41	24.45	24.49	24.53	24.56	24.59	24.63	24.65	24.65	24.66	24.64	24.61	24.61	24.61	24.60	24.59	24.59	24.60	24.60	24.60	24.60	24.55	24.66	24.31
12	24.61	24.61	24.61	24.61	24.60	24.60	24.61	24.61	24.60	24.60	24.60	Au	Au	Au	24.53	24.52	24.50	24.49	24.47	24.46	24.46	24.46	24.45	24.43	24.54	24.61	24.43
13	24.40	24.38	24.37	24.35	24.33	24.32	24.31	24.29	24.28	24.29	24.30	24.28	24.28	24.28	24.28	24.28	24.28	24.28	24.29	24.30	24.30	24.30	24.31	24.32	24.31	24.40	24.28
14	24.32	24.33	24.32	24.30	24.31	24.30	24.29	24.28	24.26	24.26	24.25	24.25	24.25	24.23	24.23	24.22	24.22	24.23	24.23	24.23	24.23	24.26	24.28	24.29	24.27	24.33	24.22
15	24.30	24.31	24.34	24.36	24.39	24.43	24.47	24.50	24.53	24.56	24.58	24.59	24.59	24.58	24.58	24.58	24.58	24.58	24.57	24.58	24.58	24.56	24.55	24.54	24.51	24.59	24.30
16	24.54	24.54	24.53	24.52	24.50	24.47	24.46	24.45	24.45	24.46	24.44	24.42	24.39	24.35	24.34	24.33	24.30	24.28	24.26	24.23	24.21	24.18	24.13	24.08	24.37	24.54	24.08
17	24.04	23.99	23.96	23.92	23.89	23.87	23.87	23.85	23.85	23.86	23.87	23.90	23.94	23.96	23.99	24.03	24.07	24.11	24.14	24.17	24.20	24.22	24.24	24.25	24.01	24.25	23.85
18	24.27	24.28	24.29	24.29	24.30	24.32	24.32	24.33	24.34	24.36	24.37	24.38	24.37	24.36	24.35	24.35	24.35	24.35	24.35	24.36	24.38	24.38	24.38	24.38	24.34	24.38	24.27
19	24.38	24.38	24.38	24.37	24.37	24.37	24.38	24.38	24.36	24.35	24.34	24.32	24.30	24.27	24.25	24.24	24.23	24.23	24.23	24.23	24.23	24.23	24.21	24.30	24.38	24.21	
20	24.20	24.18	24.17	24.16	24.15	24.14	24.15	24.17	24.18	24.19	24.21	24.21	24.22	24.24	24.25	24.27	24.28	24.31	24.32	24.35	24.36	24.37	24.39	24.40	24.24	24.40	24.14
21	24.42	24.44	24.45	24.46	24.48	24.49	24.51	24.51	24.51	24.50	24.50	24.49	24.48	24.48	24.47	24.47	24.46	24.48	24.50	24.51	24.51	24.52	24.52	24.52	24.49	24.52	24.42
22	24.52	24.52	24.52	24.52	24.53	24.54	24.55	24.57	24.57	24.57	24.56	24.56	24.56	24.55	24.53	24.52	24.50	24.47	24.48	24.47	24.46	24.45	24.43	24.41	24.52	24.57	24.41
23	24.39	24.38	24.36	24.36	24.35	24.36	24.35	24.36	24.36	24.38	24.39	24.42	24.42	24.42	24.42	24.43	24.43	24.42	24.43	24.45	24.47	24.49	24.50	24.52	24.41	24.52	24.35
24	24.53	24.54	24.54	24.54	24.55	24.55	24.56	24.57	24.57	24.57	24.56	24.58	24.58	24.57	24.56	24.55	24.54	24.54	24.54	24.55	24.56	24.55	24.52	24.50	24.55	24.58	24.50
25	24.48	24.46	24.43	24.40	24.39	24.37	24.36	24.34	24.32	24.28	24.26	24.22	24.19	24.15	24.12	24.09	24.06	24.03	24.01	23.99	23.98	23.98	23.98	23.97	24.20	24.48	23.97
26	23.96	23.95	23.94	23.93	23.93	23.93	23.94	23.94	23.95	23.95	23.94	23.94	23.94	23.92	23.92	23.91	23.91	23.93	23.94	23.94	23.96	23.96	23.97	23.97	23.94	23.97	23.91
27	23.98	23.99	23.99	23.99	23.99	23.99	23.99	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.03	24.05	24.08	24.09	24.12	24.15	24.15	24.17	24.17	24.04	24.17	23.98
28	24.19	24.19	24.19	24.20	24.22	24.24	24.26	24.27	24.28	24.30	24.31	24.31	24.30	24.29	24.28	24.27	24.26	24.25	24.24	24.24	24.23	24.22	24.23	24.21	24.25	24.31	24.19
29	24.21	24.21	24.20	24.19	24.16	24.15	24.14	24.14	24.15	24.16	24.18	24.18	24.18	24.18	24.19	24.19	24.19	24.19	24.19	24.19	24.19	24.18	24.17	24.17	24.18	24.21	24.14
30	24.16	24.15	24.14	24.14	24.13	24.12	24.13	24.13	24.12	24.12	24.13	24.11	24.11	24.12	24.13	24.15	24.16	24.17	24.20	24.21	24.24	24.26	24.27	24.27	24.16	24.27	24.11
31	24.28	24.29	24.30	24.30	24.30	24.30	24.31	24.32	24.33	24.33	24.33	24.33	24.31	24.29	24.28	24.27	24.25	24.24	24.23	24.23	24.23	24.24	24.22	24.21	24.28	24.33	24.21
Avg	24.29	24.29	24.29	24.29	24.29	24.29	24.29	24.29	24.30	24.31	24.31	24.30	24.29	24.28	24.28	24.28	24.28	24.28	24.29	24.29	24.30	24.30	24.30	24.29	24.29	24.38	24.20
Max	24.61	24.61	24.61	24.61	24.60	24.61	24.61	24.61	24.60	24.63	24.65	24.65	24.66	24.64	24.61	24.61	24.61	24.60	24.59	24.59	24.60	24.60	24.60	24.60	24.55	24.66	24.50
Min	23.96	23.95	23.94	23.92	23.89	23.87	23.87	23.85	23.85	23.86	23.87	23.90	23.94	23.92	23.92	23.91	23.91	23.93	23.94	23.94	23.96	23.96	23.97	23.97	23.94	23.97	23.85

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

A-25

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	86.0	85.9	79.1	80.4	86.5	82.4	84.3	87.2	88.8	87.4	80.6	76.8	70.8	64.1	61.3	63.1	64.1	70.4	75.6	85.0	88.0	89.1	87.3	85.9	79.6	89.1	61.3
2	85.3	85.5	84.9	85.0	84.9	85.3	86.9	86.7	88.1	88.7	87.9	79.8	70.9	57.1	52.8	57.2	66.3	78.7	78.4	77.4	79.9	82.3	67.6	63.3	77.5	88.7	52.8
3	60.4	59.2	57.5	54.8	54.7	57.6	73.2	70.5	65.2	60.7	56.2	55.3	52.1	71.2	82.1	69.8	69.9	70.8	81.7	85.8	88.4	87.6	86.1	84.8	69.0	88.4	52.1
4	83.6	83.5	82.7	82.0	82.8	83.2	83.7	83.8	85.6	78.0	71.6	72.8	63.2	71.1	77.9	78.2	81.3	81.8	81.2	78.2	71.6	79.5	68.8	63.4	77.9	85.6	63.2
5	63.7	63.0	64.4	62.6	64.7	63.8	59.2	52.1	50.2	51.2	59.4	59.6	60.3	56.2	52.1	48.9	52.2	67.2	71.5	72.9	73.7	73.6	72.8	73.1	62.0	73.7	48.9
6	73.3	72.6	72.3	73.9	73.6	75.2	76.9	78.8	78.3	72.2	63.5	61.4	56.0	46.7	44.8	49.2	52.7	59.9	67.5	70.1	70.9	74.9	76.7	79.1	67.5	79.1	44.8
7	79.0	79.7	80.1	81.0	76.4	79.4	82.9	83.1	77.0	79.1	86.5	78.2	60.7	56.5	61.6	69.0	70.7	74.0	78.0	80.0	82.8	86.3	86.6	86.5	77.3	86.6	56.5
8	88.5	89.0	90.1	91.3	92.3	92.7	93.3	93.7	93.0	90.7	88.6	84.3	81.5	78.8	80.5	78.5	74.6	79.7	86.4	84.7	76.5	75.7	70.4	79.2	84.8	93.7	70.4
9	82.2	81.5	75.9	71.2	70.1	81.6	83.8	88.4	90.4	84.7	83.3	78.0	76.1	72.5	67.3	62.9	58.6	58.9	61.1	60.0	59.3	62.4	63.1	64.2	72.4	90.4	58.6
10	72.9	76.7	89.5	89.5	89.6	91.6	91.5	84.9	79.1	76.5	74.5	71.6	68.2	67.9	66.3	63.5	64.2	65.4	63.3	62.9	65.7	66.8	68.6	70.4	74.2	91.6	62.9
11	68.6	68.2	69.8	74.5	68.1	68.3	65.8	64.9	65.3	65.2	60.8	54.3	56.3	69.3	72.9	78.2	81.1	77.0	66.2	57.5	59.0	61.2	68.5	80.2	67.5	81.1	54.3
12	80.8	81.1	84.4	84.3	78.9	73.6	73.5	72.3	70.5	66.8	59.7	58.5	66.7	60.8	57.5	57.9	59.7	62.9	64.6	66.8	68.3	67.3	67.0	70.0	68.9	84.4	57.5
13	72.3	71.1	71.4	72.4	71.9	67.7	65.3	62.8	61.2	59.6	56.5	55.3	52.9	55.9	57.1	58.4	59.7	65.0	85.9	85.9	82.1	84.3	84.8	87.1	68.6	87.1	52.9
14	89.9	91.5	91.0	92.2	91.9	91.4	91.5	91.5	90.5	87.6	80.0	73.7	65.6	73.2	72.5	71.6	73.8	77.7	80.5	77.6	80.3	76.9	72.8	71.9	81.5	92.2	65.6
15	72.3	68.7	62.5	54.1	51.5	51.2	49.4	46.1	48.5	50.5	45.0	45.2	48.5	47.4	46.7	45.6	49.1	52.9	57.7	63.4	72.0	73.9	75.5	78.8	56.5	78.8	45.0
16	76.7	76.6	74.3	72.8	76.9	79.1	80.7	84.4	85.2	71.3	67.2	64.1	56.9	52.6	50.4	50.3	53.6	66.6	74.8	80.8	84.6	86.8	88.3	88.8	72.7	88.8	50.3
17	88.3	87.6	86.9	86.9	86.0	85.9	85.0	85.2	84.8	82.8	80.0	69.3	64.2	42.4	38.6	42.4	49.2	55.3	63.5	72.1	78.5	81.8	85.8	86.4	73.7	88.3	38.6
18	89.3	89.6	87.9	84.7	85.3	85.0	84.6	84.2	84.5	82.6	73.8	69.3	70.0	49.5	42.9	41.5	47.8	53.5	65.2	74.3	80.5	81.9	85.7	86.4	74.2	89.6	41.5
19	88.2	88.4	86.9	86.0	83.1	77.2	76.8	73.8	69.0	71.3	72.3	71.6	66.3	47.9	37.9	40.6	43.5	45.9	48.1	46.6	50.4	52.8	51.9	56.4	63.9	88.4	37.9
20	55.1	58.2	69.3	72.7	80.5	83.8	86.2	85.8	84.8	80.1	73.1	63.4	62.7	54.9	48.4	46.6	56.2	68.9	77.1	81.3	84.0	85.5	85.4	86.6	72.1	86.6	46.6
21	85.4	85.2	85.2	84.8	85.2	84.7	84.7	84.5	84.0	82.9	78.5	67.1	55.6	42.1	48.9	54.8	65.2	72.0	76.3	80.5	82.3	82.4	82.2	81.0	75.6	85.4	42.1
22	83.8	82.7	83.6	84.6	87.8	92.7	94.7	94.6	94.3	93.5	90.4	90.0	86.4	85.7	86.2	87.6	92.3	93.5	95.1	96.0	94.7	92.7	91.1	86.0	90.0	96.0	82.7
23	84.7	84.3	83.9	82.8	80.7	80.6	83.4	81.9	83.3	81.2	75.5	70.5	75.3	64.4	58.2	67.3	76.0	85.0	88.5	88.6	89.5	91.6	90.2	89.4	80.7	91.6	58.2
24	88.8	88.7	90.5	91.4	91.5	90.3	91.4	88.5	89.2	88.2	85.0	74.6	58.5	50.0	55.5	57.3	56.5	75.7	87.3	91.1	93.1	92.8	90.6	90.0	81.5	93.1	50.0
25	89.6	88.0	87.9	87.1	87.3	87.3	86.5	87.9	88.1	87.9	87.3	83.5	54.1	50.2	50.1	51.6	52.7	62.9	79.1	71.5	64.3	72.0	79.6	84.2	75.9	89.6	50.1
26	85.0	85.6	86.8	82.6	73.9	69.5	92.0	80.4	88.0	86.4	78.0	71.3	52.0	47.0	47.9	50.4	51.2	50.2	53.4	59.1	63.5	64.8	66.2	68.7	68.9	92.0	47.0
27	71.2	73.8	75.2	77.9	79.0	79.3	78.1	76.5	74.0	68.1	65.4	57.8	51.3	44.5	49.5	54.4	54.5	58.2	57.2	58.6	69.4	70.6	75.0	76.0	66.5	79.3	44.5
28	77.6	76.5	77.1	74.8	74.8	75.8	75.5	76.0	76.0	72.5	66.7	55.3	40.9	28.2	28.0	29.9	30.3	32.3	42.1	50.7	55.4	61.8	65.7	72.1	59.0	77.6	28.0
29	76.5	75.6	73.2	73.9	73.7	72.8	73.9	84.5	96.5	95.7	95.8	95.2	93.6	89.5	92.3	87.5	79.8	75.8	72.0	71.2	71.9	79.6	86.7	78.9	81.9	96.5	71.2
30	69.6	69.5	69.3	70.6	68.1	66.6	72.8	77.4	75.5	72.7	75.9	76.5	77.7	78.2	77.0	77.4	78.5	79.8	81.8	82.1	82.3	82.4	82.8	83.0	76.1	83.0	66.6
31	83.1	83.2	83.7	83.8	83.6	83.5	84.2	84.1	82.6	81.6	80.8	79.6	79.9	80.4	73.3	79.4	77.0	69.1	68.5	78.9	75.6	73.1	71.7	65.7	78.6	84.2	65.7
Avg	79.1	79.1	79.3	78.9	78.6	78.7	80.4	79.9	79.7	77.3	74.2	69.8	64.4	59.9	59.3	60.4	62.7	67.3	71.9	73.9	75.4	77.2	77.3	78.0	73.4	87.1	53.8
Max	89.9	91.5	91.0	92.2	92.3	92.7	94.7	94.6	96.5	95.7	95.8	95.2	93.6	89.5	92.3	87.6	92.3	93.5	95.1	96.0	94.7	92.8	91.1	90.0	90.0	96.5	82.7
Min	55.1	58.2	57.5	54.1	51.5	51.2	49.4	46.1	48.5	50.5	45.0	45.2	40.9	28.2	28.0	29.9	30.3	32.3	42.1	46.6	50.4	52.8	51.9	56.4	56.5	73.7	28.0

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	69.9	77.9	78.4	77.3	77.7	75.4	75.0	72.9	73.2	73.1	72.9	68.1	67.6	60.3	56.7	60.6	69.5	80.9	80.3	77.9	76.7	73.9	74.0	72.7	72.6	80.9	56.7
2	72.6	72.2	73.0	73.1	74.2	74.7	76.3	78.5	80.4	82.4	83.8	85.0	85.7	86.6	81.4	81.5	79.5	78.6	82.1	84.1	84.0	82.7	81.4	82.2	79.8	86.6	72.2
3	84.5	86.0	83.5	83.5	83.1	81.5	81.9	80.8	81.2	77.6	75.4	75.3	76.8	75.9	76.4	77.7	77.8	78.4	77.8	77.7	78.6	77.1	76.3	75.6	79.2	86.0	75.3
4	75.5	75.5	74.7	73.9	72.7	72.0	71.2	71.3	70.7	68.4	67.0	64.6	69.3	71.0	72.3	71.4	71.1	71.6	72.0	73.2	72.4	72.2	71.5	70.7	71.5	75.5	64.6
5	70.3	69.3	68.9	68.2	67.6	66.8	65.3	64.5	63.2	60.8	61.0	60.1	57.3	63.3	65.3	66.4	66.9	71.1	73.1	70.0	68.1	66.6	66.0	64.2	66.0	73.1	57.3
6	63.4	62.7	61.8	61.1	60.9	60.6	59.9	59.5	60.1	60.5	61.7	63.0	60.8	54.1	46.9	60.2	59.4	71.0	73.0	70.8	69.3	68.5	67.2	67.2	62.6	73.0	46.9
7	66.5	67.6	69.0	72.6	75.9	78.5	80.7	81.9	83.0	84.1	84.5	83.0	76.5	82.5	79.4	68.9	73.0	76.8	85.7	84.4	81.3	79.7	77.3	78.9	78.0	85.7	66.5
8	78.5	80.5	80.7	82.6	82.4	79.9	79.4	80.0	80.1	78.5	75.5	76.1	76.2	75.6	74.4	74.4	75.1	78.1	78.5	76.7	75.4	74.8	74.2	73.9	77.6	82.6	73.9
9	74.4	75.4	76.4	77.8	79.0	79.6	79.9	78.2	78.8	77.4	72.9	68.9	66.4	66.9	70.8	75.1	80.0	83.1	83.1	83.1	83.1	82.9	83.2	83.2	77.5	83.2	66.4
10	83.5	83.8	84.7	84.6	85.4	86.1	87.8	88.1	86.1	82.2	78.5	75.3	71.1	70.0	70.2	69.3	71.0	81.0	84.4	80.1	78.8	82.2	80.3	78.9	80.1	88.1	69.3
11	70.7	67.7	67.2	65.8	66.9	68.1	67.4	66.3	74.6	76.8	69.1	80.9	79.3	80.4	72.5	55.5	51.2	56.5	61.2	64.8	78.0	83.8	85.8	85.6	70.7	85.8	51.2
12	84.5	85.7	85.4	80.9	74.7	64.7	64.8	65.5	70.0	69.1	66.8	70.5	73.4	62.8	64.2	63.7	62.7	65.9	58.7	59.1	61.2	60.4	58.7	59.4	68.0	85.7	58.7
13	68.7	66.5	60.5	62.6	64.3	64.8	75.2	79.6	83.2	85.6	67.1	63.5	54.3	54.2	54.2	59.5	70.7	73.2	78.7	71.7	67.6	66.8	64.4	65.5	67.6	85.6	54.2
14	71.1	80.2	81.3	81.8	81.9	83.6	82.7	83.6	82.8	79.2	72.8	56.3	68.8	70.2	73.3	76.6	74.3	76.0	77.0	69.3	64.9	63.5	66.9	70.8	74.5	83.6	56.3
15	71.1	70.2	70.8	67.2	67.7	75.0	80.8	84.8	81.1	68.3	67.0	60.8	43.0	41.0	52.8	59.0	59.5	64.5	83.1	93.5	92.9	89.1	86.7	81.3	71.3	93.5	41.0
16	73.8	65.1	68.5	69.5	67.8	69.0	69.2	78.5	82.8	70.0	63.3	52.6	53.3	55.0	57.9	59.4	56.8	56.4	58.8	63.0	59.3	58.8	57.1	53.7	63.3	82.8	52.6
17	47.9	47.7	53.1	51.7	55.9	56.0	45.0	46.7	47.5	45.0	43.4	42.5	42.1	42.1	41.9	46.4	47.1	49.8	52.8	53.5	69.4	77.9	68.4	63.2	51.5	77.9	41.9
18	64.7	63.6	72.8	84.9	84.1	82.2	72.6	67.4	64.1	61.3	62.1	60.5	60.7	58.6	54.6	54.2	62.3	53.2	54.0	51.4	53.6	53.2	58.7	60.3	63.1	84.9	51.4
19	59.4	61.5	73.3	84.2	63.0	50.5	51.8	55.5	55.3	61.6	61.6	58.1	54.3	48.8	57.7	64.5	59.9	67.1	69.6	67.1	66.7	64.4	69.0	72.7	62.4	84.2	48.8
20	76.7	76.9	80.8	82.1	83.1	82.9	82.3	81.1	78.9	78.4	69.7	58.9	55.4	69.7	73.5	75.1	82.9	84.6	87.3	86.1	80.3	74.6	73.8	72.3	77.0	87.3	55.4
21	68.6	64.8	62.5	64.1	67.0	72.5	81.0	85.4	82.7	66.2	54.5	53.9	51.1	51.3	69.2	81.2	84.0	87.1	90.1	88.5	87.4	79.6	80.7	81.8	73.1	90.1	51.1
22	83.3	84.1	82.5	81.3	83.5	85.3	84.5	85.1	83.3	77.5	76.8	53.1	51.7	57.9	57.3	56.8	59.4	73.6	82.8	84.1	82.1	82.5	78.7	75.1	75.1	85.3	51.7
23	75.1	78.3	77.8	79.3	82.1	83.8	83.6	80.7	77.3	75.7	73.6	73.3	70.9	72.2	76.2	77.5	77.5	78.4	79.1	79.0	79.3	79.1	79.4	80.1	77.9	83.8	70.9
24	79.4	78.1	78.8	77.9	77.6	76.6	74.9	75.1	73.8	74.0	67.2	59.8	58.2	54.6	57.0	66.3	69.6	75.8	83.0	84.0	84.3	84.9	84.7	83.9	74.1	84.9	54.6
25	83.4	83.2	82.3	75.7	55.4	56.9	67.2	75.7	72.4	65.1	57.1	48.6	49.2	54.1	53.1	52.3	53.0	62.7	74.5	79.9	77.5	76.9	75.5	74.8	66.9	83.4	48.6
26	73.3	73.5	71.8	72.4	72.4	71.9	71.7	73.2	75.1	77.5	80.0	80.0	68.2	55.2	49.5	43.5	45.7	60.3	77.0	87.4	85.2	82.9	82.2	80.9	71.3	87.4	43.5
27	82.7	83.8	84.4	86.2	85.4	85.1	84.8	84.6	88.1	85.5	69.3	59.3	69.6	77.0	68.5	78.6	94.8	97.2	98.1	97.0	86.5	77.5	73.3	71.0	82.0	98.1	59.3
28	70.2	67.1	68.2	67.3	67.1	69.2	67.8	68.6	67.1	64.7	66.2	64.3	70.9	75.9	76.3	75.1	75.8	74.9	75.9	74.8	72.0	71.9	70.7	67.4	70.4	76.3	64.3
Avg	73.0	73.2	74.0	74.6	73.5	73.3	73.7	74.8	74.9	72.4	68.6	64.9	63.6	63.8	64.4	66.1	68.2	72.4	76.1	76.2	75.6	74.6	73.8	73.1	71.6	84.1	57.3
Max	84.5	86.0	85.4	86.2	85.4	86.1	87.8	88.1	88.1	85.6	84.5	85.0	85.7	86.6	81.4	81.5	94.8	97.2	98.1	97.0	92.9	89.1	86.7	85.6	82.0	98.1	75.3
Min	47.9	47.7	53.1	51.7	55.4	50.5	45.0	46.7	47.5	45.0	43.4	42.5	42.1	41.0	41.9	43.5	45.7	49.8	52.8	51.4	53.6	53.2	57.1	53.7	51.5	73.0	41.0

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	65.3	66.3	65.6	63.7	66.8	66.2	63.7	64.3	67.5	66.5	64.9	63.4	62.1	62.8	62.3	61.9	62.6	63.6	66.8	66.1	64.9	63.9	64.9	65.8	64.7	67.5	61.9
2	65.9	66.4	65.8	66.9	67.3	68.1	70.2	71.2	65.2	65.1	66.1	58.5	64.6	77.7	76.5	73.9	75.2	74.5	74.1	76.7	75.2	74.1	85.4	83.3	71.2	85.4	58.5
3	83.4	85.6	90.6	90.1	91.2	86.5	88.7	79.1	78.0	69.6	62.0	56.1	52.1	44.1	49.3	57.7	69.6	70.3	66.8	69.6	73.6	85.2	82.8	83.5	73.6	91.2	44.1
4	82.7	88.0	88.2	89.6	89.3	78.9	72.1	68.1	68.1	58.6	58.4	61.9	59.4	57.1	57.7	60.1	61.6	64.1	74.7	78.6	82.0	83.6	85.5	84.7	73.0	89.6	57.1
5	78.5	76.9	80.3	77.3	78.9	79.2	81.1	78.3	66.3	56.0	53.2	51.2	50.4	47.9	50.9	60.6	63.3	63.1	63.9	66.4	63.0	73.1	79.5	79.2	67.4	81.1	47.9
6	83.4	69.5	68.9	66.6	70.3	69.6	72.4	83.1	90.0	84.8	73.2	72.0	68.0	65.7	65.8	60.9	61.5	64.1	66.3	69.6	71.3	74.1	77.6	81.7	72.1	90.0	60.9
7	83.4	85.7	83.5	84.5	84.1	90.8	90.2	89.9	80.1	77.6	72.2	68.1	68.2	67.6	67.2	66.6	67.9	70.3	77.5	73.5	75.0	78.7	84.3	87.0	78.1	90.8	66.6
8	89.0	88.6	87.4	88.4	88.7	91.7	91.0	90.2	84.4	76.7	73.6	62.0	48.4	50.7	49.0	50.5	49.2	52.1	54.3	58.7	56.7	57.6	54.2	56.0	68.7	91.7	48.4
9	49.7	43.1	45.9	46.7	39.2	41.1	41.6	47.2	46.0	47.0	50.6	50.6	50.8	51.6	56.2	59.7	60.3	62.0	64.5	65.4	71.3	68.2	66.2	69.6	53.9	71.3	39.2
10	70.8	79.5	89.8	94.3	96.3	97.9	98.6	98.5	97.8	94.5	91.3	95.4	87.0	88.8	90.7	92.6	93.7	98.4	98.3	98.1	97.4	97.9	98.0	97.5	93.5	98.6	70.8
11	87.6	75.1	80.3	82.0	86.2	87.1	93.9	90.3	81.9	74.7	64.9	59.7	52.2	56.4	66.9	68.1	69.3	69.4	69.7	77.4	90.9	94.1	91.8	89.9	77.5	94.1	52.2
12	89.7	89.9	89.2	88.1	87.3	88.2	87.3	87.2	84.7	79.5	70.8	Au	Au	Au	53.9	47.4	48.3	56.9	77.4	89.7	93.1	94.5	93.9	91.2	80.4	94.5	47.4
13	92.0	90.9	88.7	86.9	86.4	86.4	86.1	89.3	67.8	51.4	50.6	52.0	51.6	55.4	51.6	46.6	45.7	45.8	47.7	63.2	77.7	80.8	84.1	89.0	69.5	92.0	45.7
14	90.4	91.0	90.5	90.4	89.4	88.4	87.6	86.7	81.3	82.2	66.4	52.6	53.3	57.5	56.7	62.5	70.1	74.2	76.2	74.4	78.2	78.7	67.0	64.4	75.4	91.0	52.6
15	77.2	92.9	91.2	91.1	91.0	89.9	88.7	86.6	82.2	80.7	72.4	64.6	57.7	51.8	50.1	49.9	44.9	43.1	48.5	54.9	59.3	57.6	62.4	74.8	69.3	92.9	43.1
16	76.1	80.6	80.5	82.2	83.6	81.6	80.3	78.7	70.1	50.7	39.2	36.0	35.4	34.3	31.6	31.0	29.7	32.1	32.1	35.8	33.3	38.4	50.2	58.5	53.4	83.6	29.7
17	62.8	71.3	74.3	68.1	68.9	71.1	58.5	64.4	69.7	77.9	77.8	72.9	75.5	82.1	83.2	89.1	89.6	88.4	90.5	83.5	87.3	90.0	86.1	85.2	77.8	90.5	58.5
18	88.6	91.5	94.0	93.0	92.6	90.1	89.7	89.4	86.1	80.9	71.3	67.0	65.0	58.0	55.6	55.6	58.0	59.1	64.9	68.6	67.3	71.2	80.2	84.0	75.9	94.0	55.6
19	87.1	86.8	85.3	84.5	83.9	83.2	83.9	83.7	80.3	70.0	49.3	42.7	39.3	40.6	41.8	39.6	40.3	43.5	45.8	50.2	55.5	62.8	69.3	63.5	63.0	87.1	39.3
20	65.2	67.9	75.2	89.3	90.8	86.9	82.5	72.2	57.3	53.2	49.8	46.6	49.6	48.7	51.1	52.2	56.8	68.5	75.5	84.0	82.8	86.1	83.2	79.7	69.0	90.8	46.6
21	80.2	78.7	72.6	73.2	76.0	83.0	82.8	79.6	73.0	71.5	69.4	68.9	69.7	64.7	64.7	65.8	70.4	77.3	83.2	85.0	84.5	84.0	84.4	85.1	76.2	85.1	64.7
22	84.1	79.5	77.0	78.9	82.5	81.6	80.2	78.7	71.8	65.5	59.7	60.4	46.5	45.5	52.3	54.1	53.7	59.4	68.8	70.9	75.4	78.9	79.6	80.1	69.4	84.1	45.5
23	80.7	81.3	81.4	82.8	83.2	89.1	89.3	86.1	77.7	79.8	83.7	81.3	76.3	69.9	66.9	62.5	61.1	62.0	67.6	76.4	83.3	89.1	89.8	89.6	78.8	89.8	61.1
24	88.4	88.4	87.7	87.4	86.9	86.9	87.0	86.5	83.7	80.0	75.5	55.7	49.8	52.9	57.3	57.9	68.8	73.9	78.6	84.2	86.6	86.5	84.7	84.1	77.5	88.4	49.8
25	84.3	84.0	84.6	87.5	89.2	87.4	86.9	85.0	81.0	69.8	63.7	65.2	42.1	32.1	37.9	34.0	40.5	48.7	56.1	57.4	61.6	68.7	72.3	72.7	66.4	89.2	32.1
26	73.5	70.3	71.8	74.8	77.0	77.7	79.1	76.4	74.8	71.1	63.8	55.1	53.2	46.4	45.6	50.4	58.0	75.1	80.0	82.9	90.0	92.5	92.8	92.9	71.9	92.9	45.6
27	93.8	94.7	92.5	92.6	92.7	87.2	86.6	85.5	83.8	83.0	81.3	80.5	82.6	81.8	88.0	83.5	78.3	78.6	82.4	86.4	88.2	90.0	90.0	89.1	86.4	94.7	78.3
28	90.6	89.6	88.8	88.3	89.0	89.7	91.2	87.6	82.6	75.7	67.4	58.3	54.8	52.9	48.0	42.7	39.6	42.7	47.9	53.4	56.3	58.8	57.0	58.1	67.1	91.2	39.6
29	59.0	60.2	58.4	62.6	67.3	58.3	55.5	55.9	67.1	80.7	89.3	90.4	85.1	86.4	84.1	74.9	71.1	69.3	66.0	67.7	69.5	76.8	78.1	81.2	71.5	90.4	55.5
30	84.4	86.9	85.9	87.3	86.9	87.5	88.9	87.9	81.5	75.0	73.5	79.5	73.5	64.8	66.9	67.6	68.3	79.4	84.4	87.0	87.6	87.7	86.6	84.1	81.0	88.9	64.8
31	83.9	83.6	85.3	87.8	87.5	89.8	85.2	85.5	83.4	83.7	75.4	56.1	58.3	67.9	70.7	73.6	68.7	75.9	81.5	80.3	84.8	83.4	83.3	84.8	79.2	89.8	56.1
Avg	79.7	80.2	80.7	81.5	82.3	82.0	81.3	80.4	76.3	72.0	67.1	62.8	59.4	58.8	59.7	59.8	61.2	64.7	68.8	72.1	75.0	77.6	78.9	79.7	72.6	88.8	52.2
Max	93.8	94.7	94.0	94.3	96.3	97.9	98.6	98.5	97.8	94.5	91.3	95.4	87.0	88.8	90.7	92.6	93.7	98.4	98.3	98.1	97.4	97.9	98.0	97.5	93.5	98.6	78.3
Min	49.7	43.1	45.9	46.7	39.2	41.1	41.6	47.2	46.0	47.0	39.2	36.0	35.4	32.1	31.6	31.0	29.7	32.1	32.1	35.8	33.3	38.4	50.2	56.0	53.4	67.5	29.7

January 2014

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.010	0.040	0.030	0.040	0.020	0.030	0.030	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.220	0.040
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.010	0.000	0.020	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.050
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.140	0.130	0.140	0.150	0.560
14	0.170	0.140	0.050	0.020	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.410	0.170
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.000	0.030	0.020	0.020	0.010	0.020	0.010	0.000	0.010	0.010	0.000	0.000	0.010	0.160	0.030
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.020
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.010	0.030	0.040	0.030	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.130	0.040
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	0.170	0.140	0.070	0.060	0.060	0.090	0.030	0.070	0.090	0.050	0.030	0.020	0.030	0.020	0.030	0.010	0.040	0.010	0.000	0.010	0.150	0.130	0.140	0.160	1.610	0.000
Max	0.170	0.140	0.050	0.040	0.030	0.050	0.020	0.030	0.040	0.030	0.020	0.020	0.030	0.020	0.020	0.010	0.020	0.010	0.000	0.010	0.140	0.130	0.140	0.150	0.560	0.170

February 2014

[illegible]

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

	<< Hour >>																									
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Tot	Max
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.000	0.010	0.010	0.010	0.010	0.070	0.010
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
7	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.000	0.010	0.010	0.000	0.000	0.000	0.010	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.020
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.010	0.060	0.030	0.050	0.070	0.110	0.050	0.040	0.070	0.080	0.060	0.040	0.040	0.040	0.040	0.040	0.070	0.020	0.020	0.020	0.010	0.020	0.020	1.010	0.110
11	0.010	0.180	0.040	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.180
12	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	Au	Au	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.050	0.020	0.020	0.010	0.020	0.010	0.020	0.200	0.050
18	0.020	0.000	0.020	0.020	0.010	0.010	0.010	0.010	0.010	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.170	0.020
19	0.020	0.010	0.010	0.000	0.000	0.000	0.000	0.010	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.020
20	0.000	0.000	0.000	0.020	0.020	0.020	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.100	0.020
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	0.020	0.010	0.000	0.020	0.020	0.020	0.090	0.020
27	0.010	0.000	0.010	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.020	0.020	0.010	0.020	0.000	0.010	0.150	0.020
28	0.010	0.010	0.010	0.010	0.010	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.010
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.030	0.100	0.120	0.110	0.090	0.070	0.060	0.040	0.030	0.030	0.020	0.710	0.120
30	0.000	0.010	0.020	0.020	0.010	0.010	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.090	0.020
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	0.070	0.220	0.170	0.120	0.110	0.150	0.160	0.110	0.080	0.100	0.090	0.080	0.040	0.070	0.150	0.180	0.220	0.230	0.170	0.130	0.090	0.110	0.110	0.120	3.080	0.000
Max	0.020	0.180	0.060	0.030	0.050	0.070	0.110	0.050	0.040	0.070	0.080	0.060	0.040	0.040	0.100	0.120	0.110	0.090	0.070	0.060	0.040	0.030	0.030	0.020	1.010	0.180

APPENDIX B: PERFORMANCE AUDIT REPORTS
FIRST QUARTER 2014



BISON ENGINEERING, INC.

Bison Engineering

Preliminary Meteorological Parameters Audit Form

Audit Dates: 03/12/2014 Audit Start Time : 10:20 MST Audit End Time : 14:30 MST
 Client: Tintina Resources
 Site: Black Butte
 AUDITOR: Steve Heck STATION OPERATOR: Jeff Bell

Temperature

Audit Device

Met One 080A-2 temperature probe certified against Control Company - digital thermometer Model 4000
 Meter S/N: 130236679
 Last certified: 4/24/2013

Temperature bath results

	9m	9m	2m	2m	9m - 2m
Audit	DAS	DAS	DAS	DAS	DAS
Value	Value	Diff.	Value	Diff.	Diff.
°C	°C	°C	°C	°C	°C
0.1	0.25	0.15	0.28	0.18	-0.03
16.6	16.68	0.06	16.70	0.10	-0.04
38.8	38.95	0.15	39.00	0.20	-0.05

Wind Direction

Sensor height: 9 Meter
 Sensor (Make/model number): Climatronics/ WMIII
 Serial Number : 1872
 Crossarm orientation (from solar sighting): 1.5 / 181.5
 Location used for solar calculation
 N 48 deg 46 min, W 110 deg 53 min
 Calculated sun azimuth at 1034 MST
 143.4 degrees
 Sensor response aligned with crossarm (as found): 0.3
 Sensor response aligned with crossarm (as left): 0.3

Linearity Audit Device: Climatronics 101966, SN 70

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

Linearity Check from DAS

Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	0.8	0.6	0.8	0.6
30	31.3	31.2	1.3	1.2
60	60.8	60.6	0.8	0.6
90	90.2	90.1	0.2	0.1
120	120.2	120.0	0.2	0.0
150	150.0	149.8	0.0	-0.2
180	180.0	180.0	0.0	0.0
210	210.3	210.0	0.3	0.0
240	240.1	239.9	0.1	-0.1
270	270.3	270.1	0.3	0.1
300	301.0	300.7	1.0	0.7
330	331.3	331.1	1.3	1.1
		Max Diff	1.3	1.2

Wind Speed

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

Synchronous motor checks

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

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

Relative Humidity

Audit Device: Assmann Psychrometer, thermometer calibrations checked November 2013

Audit Dry-Bulb:	-0.9 deg C	BP = 24.54 in. Hg
Audit Wet-Bulb:	-3.2 deg C	
Audit RH:	62.7	%RH
Station RH:	59.0	%RH
Diff:	-3.7	%RH

Barometric Pressure

Audit Device: Wallace & Tiernan Model FA185260, S/N LL03297.
Checked against Bison Mercury barometer (Butte) on 03/12/2014

Audit Value:	24.54	in Hg
Station Value:	24.59	in Hg
Diff:	0.05	in Hg

Solar Radiation

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

Audit Value:	680 watts/m ²	657 watts/m ²
Station Value:	668 watts/m ²	658 watts/m ²
Diff.:	-1.8%	0.2%

Precipitation

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

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

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

Signature Site Operator: _____

Signature Auditor: Steven R. Fiedler