TINTINA RESOURCES, INC.
BLACK BUTTE COPPER PROJECT AMBIENT AIR MONITORING PROGRAM
Quarterly Data Report
Fourth Quarter 2016

Prepared for:

Tintina Resources, Inc.
PO Box 431
White Sulphur Springs, MT 59645

Prepared by:

Bison Engineering, Inc.
2751 Enterprise Ave., Ste. 2
Billings, MT 59102
(406) 896-1716
http://www.bison-eng.com

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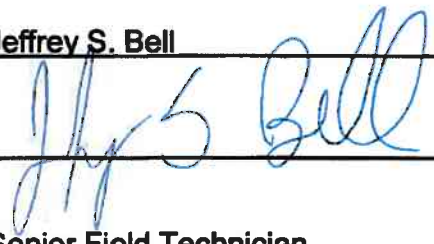
CERTIFICATION OF DATA INTEGRITY

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

Preparer: Jeffrey S. Bell

Signature: 

Title: Senior Field Technician

Date: 1/27/17

Reviewer: Steven R. Heck

Signature: 

Title: Meteorologist

Date: 2-3-2017

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1.0 INTRODUCTION

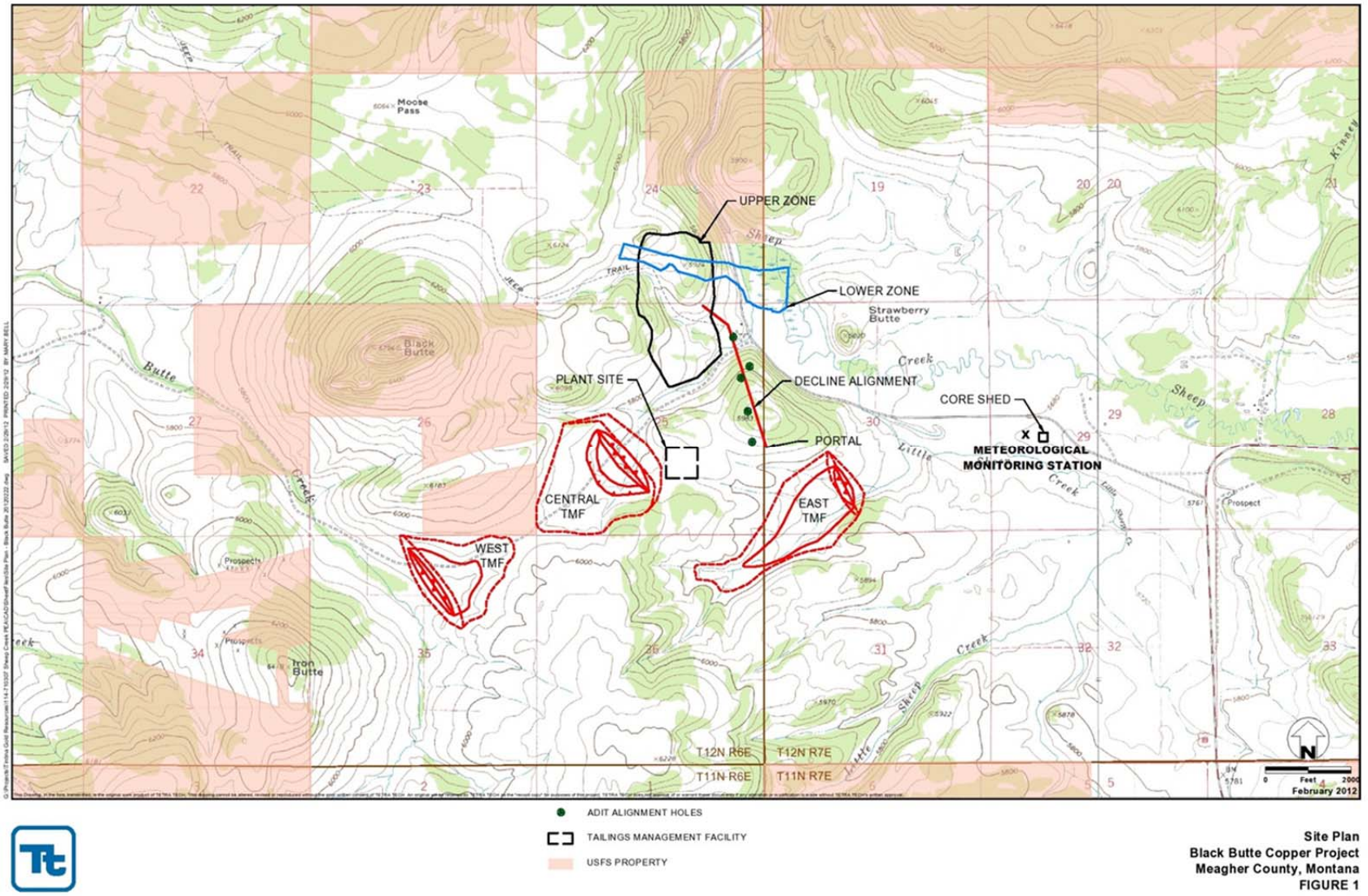
Tintina Resources, Inc. established an ambient air monitoring site to measure wind speed, wind direction, standard deviation of wind direction, temperature at 9 meters and 2 meters, delta temperature, solar radiation, barometric pressure, and precipitation. The station was established to accurately characterize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

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

This report presents the data collected during the fourth quarter (October through December) of 2016. 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.

On June 23, 2015, an evaporation pan and manual precipitation gauge were installed adjacent to the existing meteorological system. The evaporation data will be used for hydrological / water balance studies. The manual rain gauge was installed to provide a backup data source for the existing automatic rain gauge, which has experienced occasional mechanical problems. Also, the automatic rain gauge is sometimes unreliable for measuring frozen precipitation.

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 sensors were in full operation and producing valid data by April 30, 2012.

Steve Heck of Bison conducted performance audits of the meteorological system on December 21, 2016, and made any necessary calibration adjustments to the meteorological system following the audits. The Bison report of the audits is presented in Appendix B.

Manual measurements of evaporation and precipitation were recorded by Tintina's on-site personnel two to three times per week. Operation of the evaporation pan was discontinued in early November due to frequent subfreezing temperatures.

3.0 CALIBRATION DATA

As discussed in Section 4.0, the system's as-found condition was audited December 21, 2016. No calibration adjustments were required based on the audit results.

4.0 PERFORMANCE AUDIT DATA

Steve Heck of Bison conducted performance audits of the meteorological system on December 21, 2016. The as-found performance of the system was satisfactory and no calibration adjustments were required. The Bison report of the audits is presented in Appendix B.

5.0 DATA COMPLETENESS

The meteorological percentages of data recovery achieved during the fourth quarter of 2016 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 fourth quarter the net percentage data recovery was 100.0 percent for all parameters at the site.

Table 1. Monthly Data Completeness

October 2016					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	744	100.0	0	100.0
Wind Direction	744	744	100.0	0	100.0
Standard Deviation	744	744	100.0	0	100.0
Temperature 9 Meters	744	744	100.0	0	100.0
Temperature 2 Meters	744	744	100.0	0	100.0
Temperature Delta T	744	744	100.0	0	100.0
Solar Radiation	744	744	100.0	0	100.0
Barometric Pressure	744	744	100.0	0	100.0
Relative Humidity	744	744	100.0	0	100.0
Precipitation	744	744	100.0	0	100.0
Total	7,440	7,440	100.0	0	100.0

Table 1. Monthly Data Completeness (Continued)

November 2016					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	720	720	100.0	0	100.0
Wind Direction	720	720	100.0	0	100.0
Standard Deviation	720	720	100.0	0	100.0
Temperature 9 Meters	720	720	100.0	0	100.0
Temperature 2 Meters	720	720	100.0	0	100.0
Temperature Delta T	720	720	100.0	0	100.0
Solar Radiation	720	720	100.0	0	100.0
Barometric Pressure	720	720	100.0	0	100.0
Relative Humidity	720	720	100.0	0	100.0
Precipitation	720	720	100.0	0	100.0
Total	7,200	7,200	100.0	0	100.0

December 2016					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	744	739	99.3	5	100.0
Wind Direction	744	739	99.3	5	100.0
Standard Deviation	744	739	99.3	5	100.0
Temperature 9 Meters	744	739	99.3	5	100.0
Temperature 2 Meters	744	739	99.3	5	100.0
Temperature Delta T	744	739	99.3	5	100.0
Solar Radiation	744	739	99.3	5	100.0
Barometric Pressure	744	739	99.3	5	100.0
Relative Humidity	744	739	99.3	5	100.0
Precipitation	744	739	99.3	5	100.0
Total	7,440	7,390	99.3	50	100.0

Table 2. Quarterly Data Completeness

Fourth Quarter 2016					
Parameter	Readings Possible	Valid Readings	Percentage Recovery	Quality Assurance Hours	Net Percentage Recovery
Black Butte Copper Project Met Tower					
Wind Speed	2,208	2,203	99.8	5	100.0
Wind Direction	2,208	2,203	99.8	5	100.0
Standard Deviation	2,208	2,203	99.8	5	100.0
Temperature 9 Meters	2,208	2,203	99.8	5	100.0
Temperature 2 Meters	2,208	2,203	99.8	5	100.0
Temperature Delta T	2,208	2,203	99.8	5	100.0
Solar Radiation	2,208	2,203	99.8	5	100.0
Barometric Pressure	2,208	2,203	99.8	5	100.0
Relative Humidity	2,208	2,203	99.8	5	100.0
Precipitation	2,208	2,203	99.8	5	100.0
Total	22,080	22,030	99.8	50	100.0

6.0 MONITORING DATA

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

Monthly and quarterly wind rose distributions from the monitoring site are presented in Tables 4 through 7. These tables give the percentage frequency of occurrence of winds from 16 cardinal directions and from 22 wind speed ranges. These same data are presented graphically in Figures 2 through 5. In the wind rose figures, the length of each "petal" of the rose is proportional to the percentage of time the wind blew from that direction. On the bottom of each figure is a histogram showing the average wind speed from each of the cardinal wind directions.

A separate compilation of data collected from the evaporation pan and manual rain gauge is presented in Appendix C. For comparison purposes, the precipitation amounts reported by the automatic rain gauge over the same time periods are provided. Overall, the precipitation amounts obtained from the manual gauge were comparable to those reported by the automated rain gauge.

Table 3. Missing Data Codes

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

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

October 2016																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.1	0.3	0.5	0.4	0.5	1.1	2.0	1.5	1.3	0.3	0.1	0.1	0.1	0.3	0.7	0.5	10.9
	1.1 - 2.0	0.3	0.5	0.4	1.2	2.6	5.4	7.1	3.1	1.9	0.8	1.1	0.8	0.8	1.9	1.1	0.5	29.4
	2.1 - 3.0	0.0	0.0	0.0	0.7	1.6	2.2	1.5	0.8	0.9	0.7	0.5	0.5	2.0	2.4	0.8	0.3	14.9
	3.1 - 4.0	0.0	0.0	0.0	0.3	0.4	0.5	1.3	1.6	0.9	1.6	0.3	1.2	2.0	1.3	1.1	0.3	12.9
	4.1 - 5.0	0.0	0.0	0.0	0.0	0.3	0.1	0.5	1.6	1.1	2.0	1.5	0.8	1.3	1.3	0.8	0.3	11.7
	5.1 - 6.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.8	0.8	1.1	1.1	0.3	1.9	1.5	0.8	0.3	8.7
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.3	0.3	1.1	1.1	0.4	1.2	0.1	5.0
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.1	0.7	0.1	0.5	1.2	0.3	0.5	0.0	3.9
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.1	0.7	0.1	0.3	0.0	1.7
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.0	0.3	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	0.0	0.0	0.0	0.0	0.0
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	1.5	0.8	0.9	2.6	5.4	9.3	12.8	10.2	7.1	7.8	5.4	5.5	11.4	9.5	7.5	2.3	100.0
	Average Speed	1.3	1.2	1.0	1.9	2.0	1.8	2.0	3.0	2.8	4.4	4.2	4.4	4.8	3.7	4.4	2.8	3.2

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

November 2016																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	0.8	0.7	0.6	1.7	1.3	1.1	1.8	2.2	1.0	0.7	0.1	0.6	0.1	0.6	0.8	1.0	15.0
	1.1 - 2.0	0.6	0.8	1.1	1.9	3.2	6.7	9.2	4.7	0.7	0.6	0.6	0.6	0.4	0.6	1.4	0.3	33.2
	2.1 - 3.0	0.0	0.0	0.7	0.4	2.2	3.6	2.1	1.7	1.3	0.3	0.1	0.8	1.4	1.9	1.5	0.1	18.2
	3.1 - 4.0	0.0	0.1	0.0	0.1	1.4	0.3	0.3	1.8	1.1	0.7	0.3	0.4	1.7	2.4	0.6	0.3	11.4
	4.1 - 5.0	0.0	0.0	0.0	0.0	0.3	0.1	0.3	1.4	1.3	1.3	0.6	0.6	2.1	1.3	0.6	0.1	9.7
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.7	0.6	0.6	0.3	1.5	1.4	0.4	0.0	5.7
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.6	0.0	0.1	0.8	0.8	0.6	0.1	0.0	3.2
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.3	0.0	0.8	0.3	0.3	0.1	2.1
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.3	0.1	0.4	0.0	1.3
	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	0.1	0.1	0.0	0.0	0.0	0.3
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11.1 - 12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	14.1 - 15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	15.1 - 16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	16.1 - 17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.1 - 18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	18.1 - 19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	19.1 - 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	> 20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Calm																	0.0
	Total	1.4	1.7	2.4	4.2	8.3	11.8	14.2	11.8	6.8	4.0	2.8	4.3	9.3	9.0	6.1	1.9	100.0
	Average Speed	0.9	1.3	1.6	1.4	2.0	1.9	1.8	2.2	3.5	3.3	4.5	3.9	4.6	3.9	3.3	2.2	2.7

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

December 2016																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.5	0.9	2.2	1.4	1.8	1.6	3.0	1.8	0.7	0.4	0.3	0.7	0.3	0.8	2.0	0.5	19.8
	1.1 - 2.0	0.7	1.1	0.5	1.5	3.7	2.8	4.3	2.2	0.9	0.5	0.7	0.8	3.1	1.5	1.5	0.4	26.3
	2.1 - 3.0	0.1	0.0	0.0	0.1	0.5	2.4	2.3	1.1	0.4	0.3	0.3	1.2	3.5	2.6	1.9	0.1	16.9
	3.1 - 4.0	0.1	0.0	0.0	0.0	0.1	0.5	0.8	1.6	0.5	0.3	0.4	0.7	3.5	2.2	0.8	0.0	11.6
	4.1 - 5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.3	0.1	0.9	2.2	1.9	1.4	0.1	8.3
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.4	0.3	2.7	1.5	0.5	0.1	6.0
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.3	0.4	1.5	0.7	0.4	0.0	3.8
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	2.0	0.7	0.1	0.0	3.5
	8.1 - 9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	1.1	0.4	0.1	0.0	1.8
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.1	0.0	0.0	0.7
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.5	0.1	0.0	0.0	0.8
	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	0.1	0.0	0.0	0.1
	12.1 - 13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.3
	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	0.1	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	0.1	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	2.4	2.0	2.7	3.0	6.1	7.4	10.4	7.6	3.7	2.0	3.0	5.4	21.2	12.9	8.8	1.4	100.0
	Average Speed	1.2	0.9	0.8	1.1	1.3	1.8	1.6	2.4	2.8	2.7	4.3	3.5	4.7	4.2	2.9	1.9	3.0

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

Fourth Quarter 2016																	
	Direction>>>	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
Wind Speed (meters per second)	0.1 - 1.0	1.1	0.6	1.1	1.1	1.2	1.3	2.3	1.8	1.0	0.5	0.2	0.5	0.2	0.5	1.2	0.7	15.2
	1.1 - 2.0	0.5	0.8	0.7	1.5	3.1	4.9	6.9	3.3	1.2	0.6	0.8	0.7	1.5	1.3	1.3	0.4	29.6
	2.1 - 3.0	0.0	0.0	0.2	0.4	1.5	2.7	2.0	1.2	0.9	0.4	0.3	0.9	2.3	2.3	1.4	0.2	16.7
	3.1 - 4.0	0.0	0.0	0.0	0.1	0.6	0.5	0.8	1.7	0.9	0.9	0.3	0.8	2.4	2.0	0.8	0.2	12.0
	4.1 - 5.0	0.0	0.0	0.0	0.0	0.2	0.1	0.3	1.2	1.0	1.2	0.7	0.8	1.9	1.5	0.9	0.2	9.9
	5.1 - 6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	0.6	0.7	0.3	2.0	1.5	0.6	0.1	6.8
	6.1 - 7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.2	0.8	1.1	0.5	0.6	0.0	4.0
	7.1 - 8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.3	1.4	0.4	0.3	0.0	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	0.1	0.1	0.7	0.2	0.3	0.0	1.6
	9.1 - 10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.0	0.1	0.0	0.6
	10.1 - 11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	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	0.1	0.0	0.0	0.1
	13.1 - 14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	2.0	3.2	6.6	9.5	12.4	9.9	5.9	4.6	3.7	5.1	14.0	10.5	7.5	1.9	100.0
	Average Speed	1.2	1.1	1.2	1.4	1.8	1.8	1.8	2.5	3.1	3.8	4.3	3.9	4.7	4.0	3.5	2.4	3.0

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

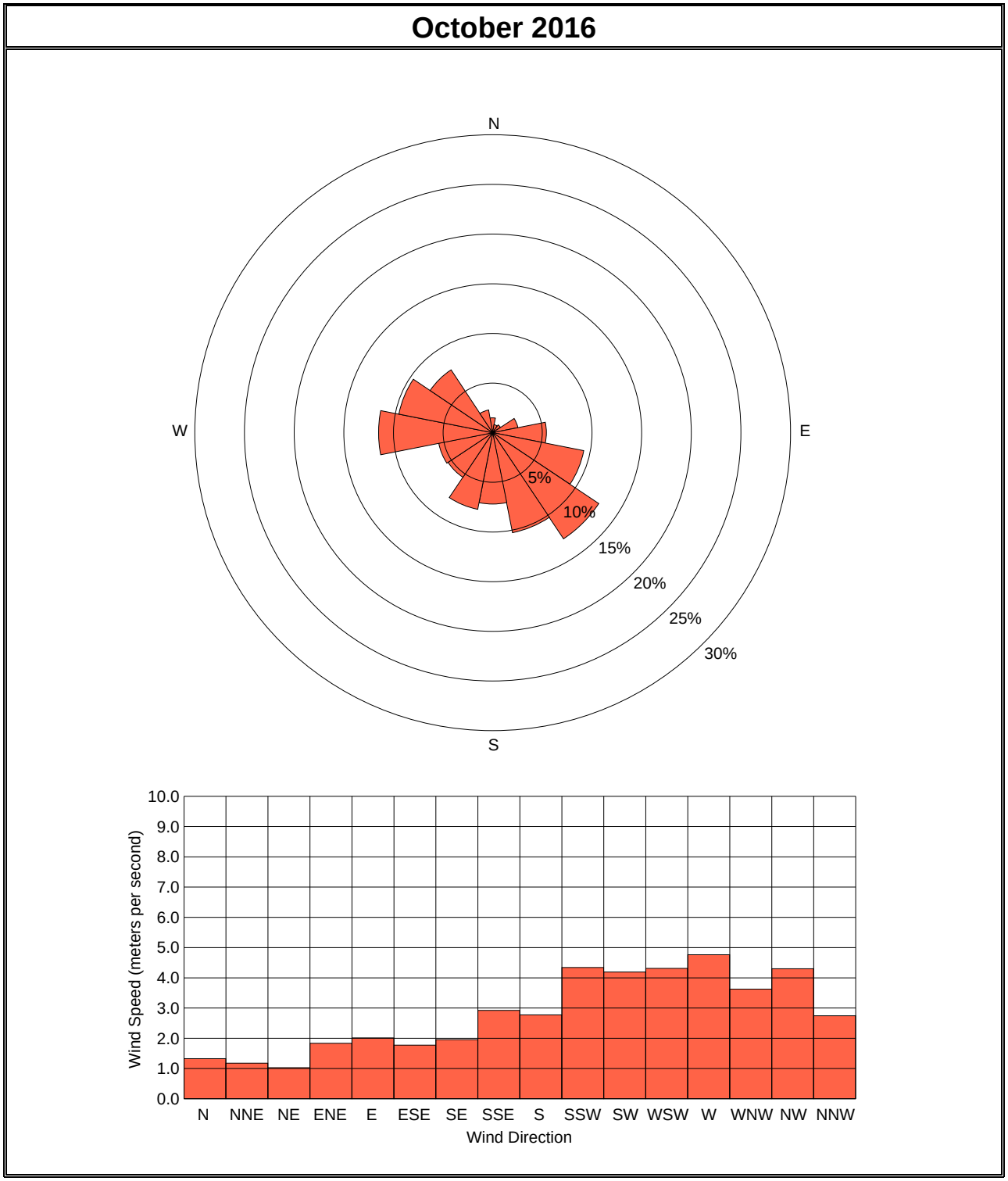


Figure 3. Monthly Wind Rose, Black Butte Copper Project Met Tower

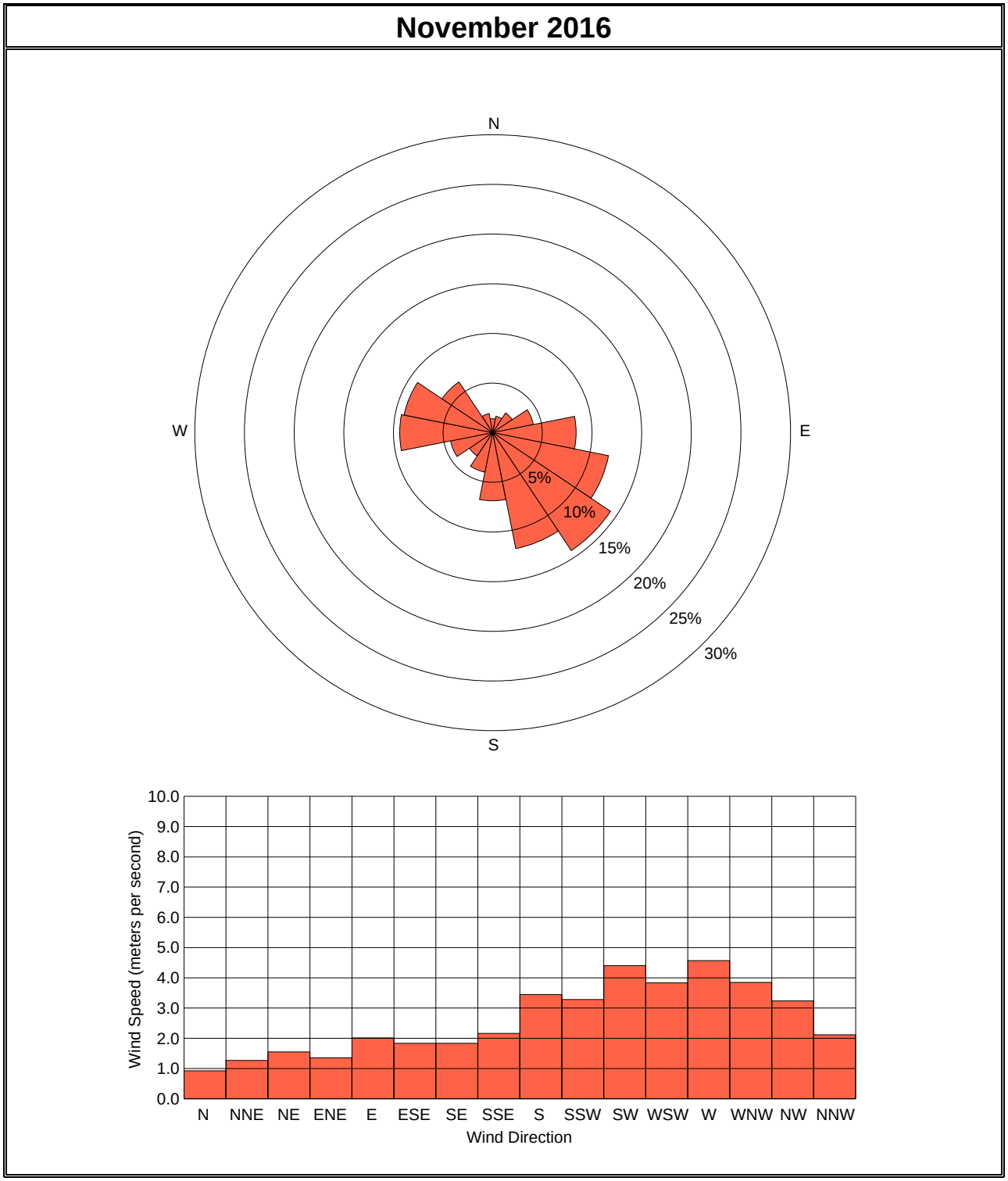


Figure 4. Monthly Wind Rose, Black Butte Copper Project Met Tower

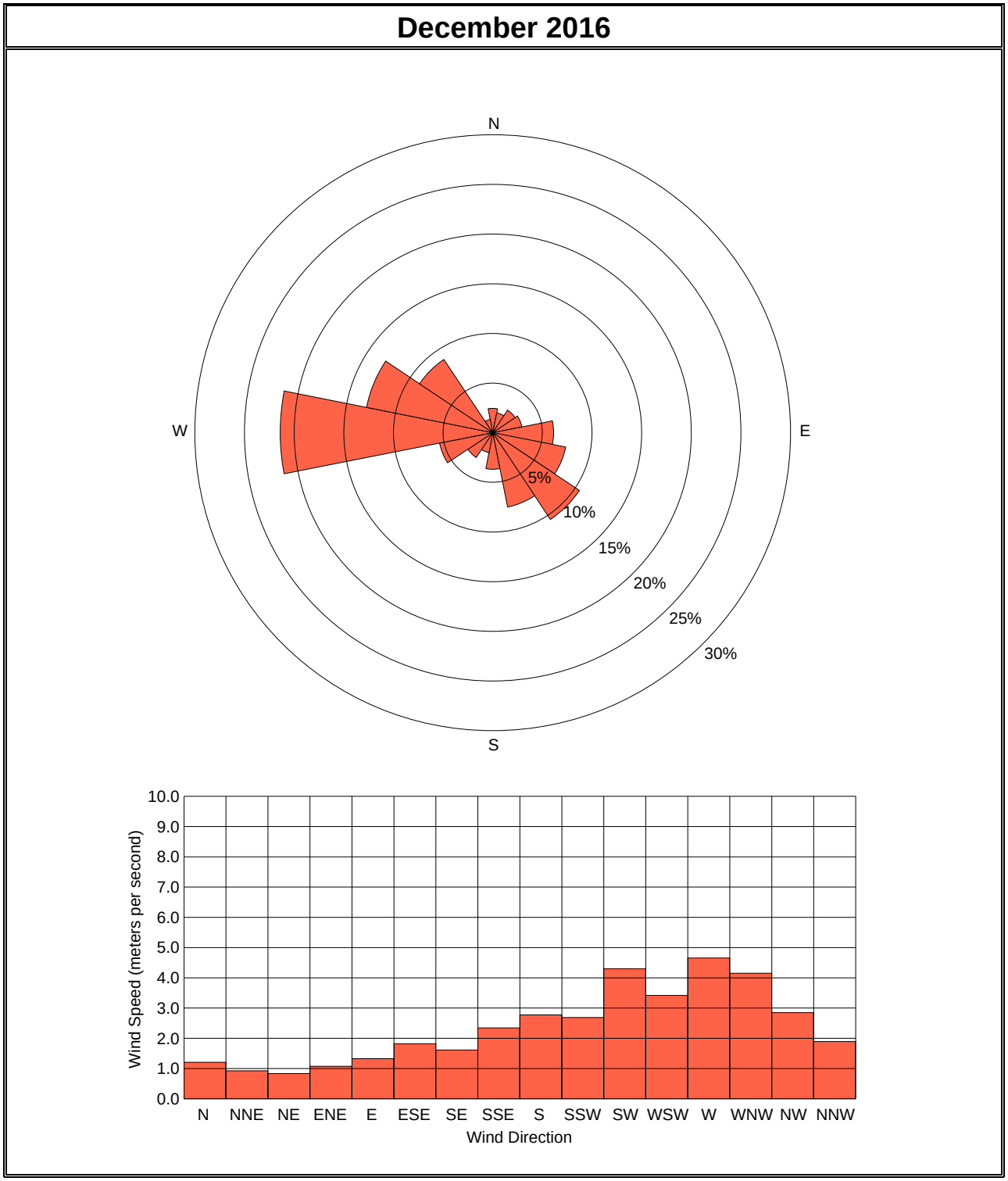
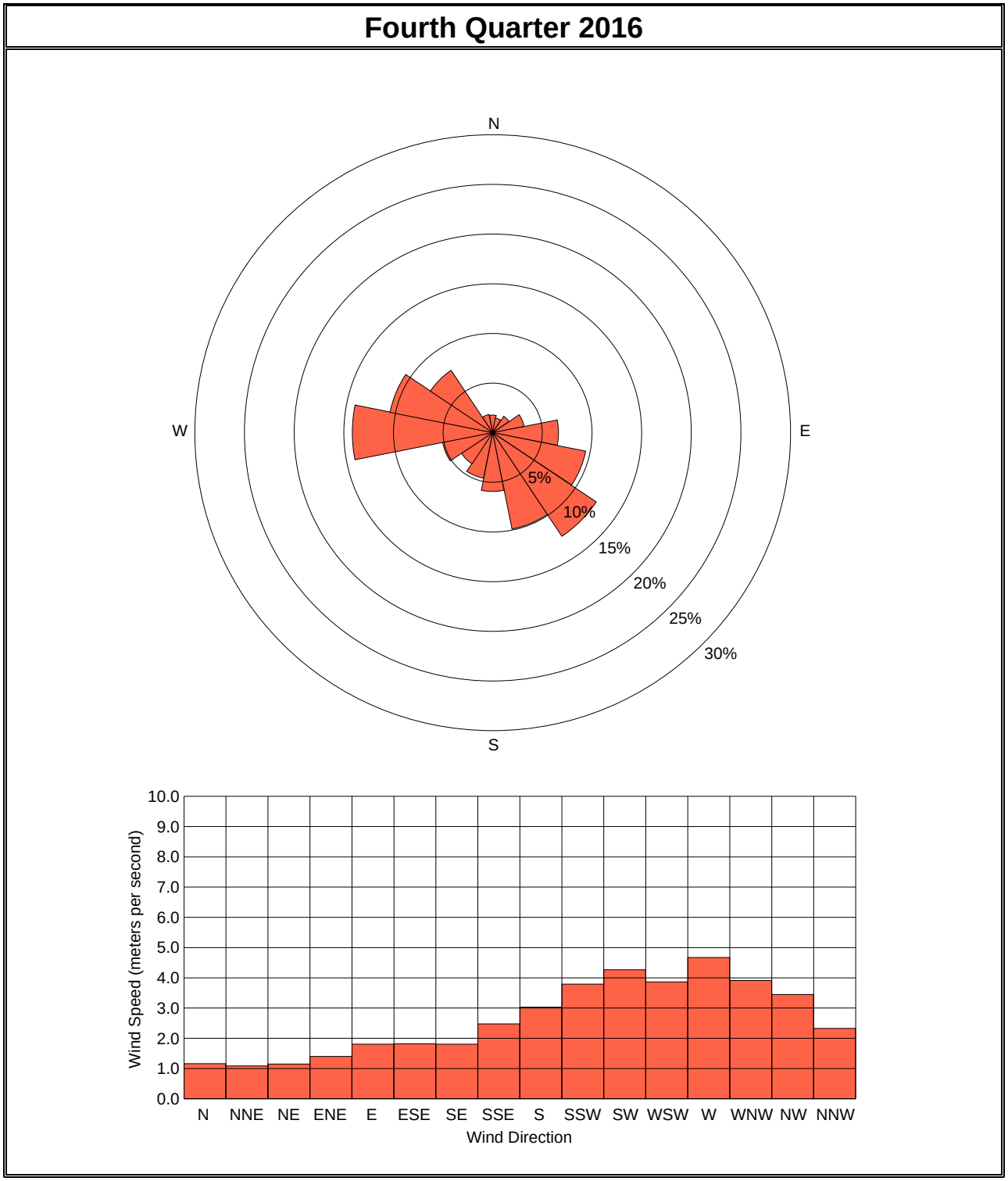


Figure 5. Quarterly Wind Rose, Black Butte Copper Project Met Tower



APPENDIX A: HOURLY AIR QUALITY AND METEOROLOGICAL DATA, FOURTH QUARTER 2016

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
October 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.2	0.6	1.7	1.9	1.5	1.6	3.4	1.8	1.6	4.3	3.2	2.4	5.2	4.5	5.7	5.2	2.1	3.2	2.6	1.7	1.8	1.7	1.3	1.1	2.6	5.7	0.6
2	1.2	1.1	1.0	0.8	0.9	0.7	1.5	0.9	2.7	4.7	7.7	7.1	5.0	4.5	3.5	2.7	4.1	3.1	1.6	2.3	1.3	1.9	1.3	1.2	2.6	7.7	0.7
3	1.9	2.4	1.7	2.1	3.0	3.5	4.2	3.0	5.9	3.2	3.8	4.6	5.1	4.4	5.9	6.3	6.1	3.0	3.8	3.9	5.2	7.2	6.8	6.1	4.3	7.2	1.7
4	6.7	7.1	6.3	7.0	9.4	8.9	9.8	8.9	7.5	6.9	5.8	5.3	5.8	6.4	7.1	6.8	5.0	3.3	1.7	1.4	0.7	1.3	0.9	1.6	5.5	9.8	0.7
5	1.9	2.5	3.4	3.5	3.6	2.9	4.3	4.3	4.0	4.9	5.8	5.8	6.1	5.7	4.9	5.3	4.7	4.3	3.5	2.8	2.5	0.9	0.8	0.7	3.7	6.1	0.7
6	0.7	0.6	0.6	0.6	0.7	0.8	0.5	0.6	0.9	3.1	4.0	4.5	4.9	5.3	5.8	5.3	3.8	2.9	2.0	1.3	1.3	0.8	1.0	0.8	2.2	5.8	0.5
7	0.8	0.9	1.1	1.3	1.1	1.4	1.5	1.4	2.4	3.5	5.8	5.8	5.1	4.9	3.7	2.7	5.3	3.8	3.3	2.8	3.3	2.8	2.7	2.6	2.9	5.8	0.8
8	2.8	1.5	2.1	1.8	1.2	1.4	1.4	1.8	1.7	2.2	2.1	3.2	4.6	3.9	3.9	4.2	4.2	3.6	2.3	3.3	3.8	2.1	1.5	1.4	2.6	4.6	1.2
9	2.1	1.1	1.0	2.6	5.2	4.9	2.8	5.3	7.4	9.0	10.0	7.8	6.7	7.2	7.3	5.6	3.2	2.3	1.6	2.3	2.1	1.4	1.2	1.7	4.2	10.0	1.0
10	1.8	5.9	6.5	7.3	6.1	6.5	4.8	5.3	3.0	3.9	6.4	6.2	5.7	7.2	5.7	5.6	5.7	4.9	5.5	3.7	2.5	2.1	1.7	3.0	4.9	7.3	1.7
11	1.2	1.6	2.6	1.6	2.4	3.2	2.0	2.0	2.5	2.2	3.1	4.7	5.5	4.4	3.9	4.2	3.1	1.6	1.2	1.4	1.7	1.1	0.9	0.7	2.5	5.5	0.7
12	0.6	0.6	0.6	0.4	0.6	0.6	0.6	0.5	0.5	0.4	0.7	0.9	1.8	1.5	1.8	1.9	1.0	4.3	4.2	2.7	3.1	2.1	1.8	1.7	1.5	4.3	0.4
13	1.8	1.9	1.4	1.3	1.4	1.7	1.5	1.3	1.0	0.7	2.1	3.4	1.8	4.6	7.1	5.9	3.6	2.5	3.5	1.7	3.1	3.1	4.3	5.6	2.8	7.1	0.7
14	4.4	7.3	6.4	5.4	4.1	3.5	7.4	8.1	7.7	7.7	8.1	9.5	9.8	7.7	4.3	3.4	1.4	1.8	1.6	0.9	1.4	3.6	4.8	3.5	5.2	9.8	0.9
15	1.6	1.2	2.0	2.9	2.5	1.6	1.0	1.9	2.9	5.0	5.4	5.4	6.1	5.1	4.4	4.9	3.6	3.1	2.5	3.6	3.5	2.3	5.4	3.4	3.4	6.1	1.0
16	5.1	6.3	7.1	2.7	1.6	2.4	4.5	6.6	6.0	7.5	5.3	9.0	6.9	8.7	6.9	5.8	2.9	2.1	3.0	2.3	2.8	2.0	1.6	1.2	4.6	9.0	1.2
17	0.8	0.9	1.2	1.5	1.8	1.7	1.3	1.0	0.8	3.0	3.6	5.9	7.6	6.3	5.4	4.7	7.8	3.4	2.0	1.4	2.2	1.3	1.4	1.5	2.9	7.8	0.8
18	1.5	1.6	1.4	2.2	3.5	2.3	1.7	1.4	3.4	4.1	5.5	6.3	8.1	5.7	3.9	4.8	4.7	2.2	1.2	3.0	3.0	2.8	1.5	2.9	3.3	8.1	1.2
19	2.3	2.0	0.7	0.9	3.1	2.1	3.5	3.2	3.2	4.6	6.7	7.5	6.2	7.5	7.7	6.2	5.1	3.4	1.9	1.7	1.8	1.3	0.8	1.1	3.5	7.7	0.7
20	1.0	0.8	1.0	1.3	1.2	1.8	1.9	2.9	3.6	5.0	5.0	4.8	4.9	4.6	5.3	3.0	4.1	2.9	3.6	3.0	2.1	1.2	3.8	3.3	3.0	5.3	0.8
21	6.4	5.0	6.0	4.0	2.1	1.5	2.0	1.5	2.4	2.5	3.2	4.5	3.7	2.9	1.6	1.6	1.3	2.3	1.9	1.2	1.2	0.7	1.0	0.7	2.6	6.4	0.7
22	1.8	1.8	1.6	1.2	2.1	2.9	2.8	8.4	5.2	1.3	4.2	7.4	7.2	6.9	5.7	3.6	1.9	1.2	2.2	1.9	1.6	1.3	1.8	1.4	3.2	8.4	1.2
23	3.2	1.2	2.3	1.7	1.8	2.6	1.9	2.2	2.4	3.6	4.0	4.1	3.9	4.4	3.6	3.5	1.9	2.0	1.9	2.9	2.3	2.3	1.5	1.0	2.6	4.4	1.0
24	1.0	1.1	1.2	1.6	1.8	1.7	2.0	1.7	1.1	0.9	1.7	4.5	5.0	3.5	3.6	3.0	1.6	0.9	1.7	1.5	1.3	0.9	1.0	2.0	1.9	5.0	0.9
25	1.2	1.5	1.1	1.4	1.7	1.5	1.8	1.8	1.6	1.2	1.7	4.5	6.7	6.6	6.5	4.4	3.7	2.7	1.9	2.5	1.1	1.6	1.2	1.4	2.6	6.7	1.1
26	1.3	1.3	0.9	1.3	1.1	0.9	0.9	0.7	0.9	0.7	1.1	2.4	2.4	4.6	4.5	2.2	1.2	1.4	2.0	1.8	0.8	2.0	3.2	2.7	1.8	4.6	0.7
27	2.5	3.5	1.9	1.6	1.2	1.3	1.1	1.3	1.1	2.6	6.0	4.7	5.1	5.1	5.1	4.8	4.2	6.9	3.8	2.6	4.4	5.6	5.0	3.4	3.5	6.9	1.1
28	2.1	3.8	3.3	2.2	3.1	2.5	1.1	1.6	2.1	5.5	4.8	4.7	5.1	4.5	4.9	3.7	1.8	1.6	1.3	1.1	1.1	1.1	1.1	1.7	2.7	5.5	1.1
29	1.4	4.6	4.1	3.5	5.5	5.8	4.6	4.1	4.0	4.8	4.8	5.3	4.7	3.9	3.8	3.4	2.5	2.1	1.6	1.3	1.1	1.5	0.9	1.0	3.3	5.8	0.9
30	1.3	1.2	1.6	0.8	1.4	0.9	1.2	1.0	0.8	0.9	1.0	4.3	4.2	4.0	4.5	2.7	2.3	1.6	1.0	4.3	1.9	1.0	2.4	3.8	2.1	4.5	0.8
31	2.8	2.1	1.6	4.8	5.7	8.1	5.6	3.8	4.2	4.5	6.7	7.6	6.6	8.9	9.9	9.0	8.2	7.4	5.0	2.0	3.7	4.3	5.6	6.5	5.6	9.9	1.6
Avg	2.1	2.4	2.4	2.4	2.7	2.7	2.7	2.9	3.0	3.7	4.5	5.3	5.4	5.3	5.1	4.4	3.6	3.0	2.5	2.3	2.2	2.1	2.3	2.3	3.2	6.7	0.9
Max	6.7	7.3	7.1	7.3	9.4	8.9	9.8	8.9	7.7	9.0	10.0	9.5	9.8	8.9	9.9	9.0	8.2	7.4	5.5	4.3	5.2	7.2	6.8	6.5	5.6	10.0	1.7
Min	0.6	0.6	0.6	0.4	0.6	0.6	0.5	0.5	0.5	0.4	0.7	0.9	1.8	1.5	1.6	1.6	1.0	0.9	1.0	0.9	0.7	0.7	0.8	0.7	1.5	4.3	0.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
November 2016

	<< 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	6.1	5.3	4.1	2.4	2.2	1.9	1.5	2.2	2.3	2.6	4.2	4.9	5.3	5.9	6.5	5.1	3.0	1.2	1.6	1.0	1.5	1.7	1.0	3.1	3.2	6.5	1.0
2	1.3	1.2	1.3	1.3	1.6	1.5	1.6	1.5	1.5	2.8	3.1	5.6	4.9	4.3	5.0	3.2	1.5	1.5	2.4	2.0	3.0	2.1	2.1	2.1	2.4	5.6	1.2
3	2.1	2.1	3.0	3.2	2.9	1.8	2.1	1.1	1.4	1.5	1.0	1.9	2.7	1.2	1.4	1.0	2.1	3.7	3.5	2.5	2.8	2.0	1.7	0.9	2.1	3.7	0.9
4	0.8	1.7	1.3	1.7	1.1	1.6	1.8	1.3	0.7	0.7	0.5	3.8	4.7	4.0	4.0	2.9	2.3	2.4	3.1	2.4	2.6	1.5	1.2	1.4	2.1	4.7	0.5
5	1.2	1.3	1.0	0.8	1.0	1.7	1.9	1.8	1.5	1.5	1.5	2.1	1.2	1.6	2.6	3.3	3.0	3.8	4.1	2.9	2.9	2.4	1.9	2.6	2.1	4.1	0.8
6	2.9	2.5	2.1	1.8	1.8	2.0	2.2	1.6	1.4	1.1	4.7	6.7	9.1	7.1	8.5	8.6	5.9	6.8	5.1	3.2	2.6	2.3	2.6	2.3	4.0	9.1	1.1
7	1.7	1.2	1.0	0.8	1.2	1.0	0.8	0.6	0.8	0.7	1.0	2.7	4.6	4.3	3.8	3.2	1.6	1.2	1.9	2.2	1.6	1.0	0.9	1.0	1.7	4.6	0.6
8	0.9	1.3	1.3	1.0	1.8	1.5	2.0	1.6	1.7	0.8	0.8	1.2	1.3	1.7	4.2	3.1	3.0	2.2	3.6	3.1	3.2	1.8	2.0	2.1	2.0	4.2	0.8
9	2.0	1.9	1.9	1.0	1.5	1.5	1.6	1.2	1.4	0.8	0.9	1.0	3.5	3.7	4.6	4.0	1.7	2.4	2.8	1.4	1.1	1.1	0.8	1.0	1.9	4.6	0.8
10	1.0	0.9	0.8	0.8	1.2	1.0	0.8	0.7	1.5	0.7	0.9	3.0	5.1	5.9	7.1	6.9	4.3	3.1	2.7	1.7	2.1	2.0	2.2	2.6	2.5	7.1	0.7
11	2.7	1.5	1.3	2.0	1.8	1.9	1.7	1.9	1.7	1.2	1.1	3.3	3.3	2.6	3.7	3.2	2.6	3.5	3.1	3.1	2.3	1.8	1.2	1.4	2.2	3.7	1.1
12	1.1	1.5	1.4	1.5	1.2	1.5	1.0	1.0	0.8	0.7	1.6	5.9	6.9	7.2	5.9	4.9	4.4	4.2	2.6	1.5	1.7	5.4	4.9	5.5	3.1	7.2	0.7
13	4.8	6.6	5.8	4.1	5.3	2.3	2.4	1.7	2.0	3.9	5.9	7.6	7.2	7.2	6.1	4.5	3.0	2.4	1.4	2.2	1.0	1.0	1.4	4.4	3.9	7.6	1.0
14	6.0	8.5	2.7	1.3	1.5	1.5	2.5	2.2	1.8	1.9	8.0	6.0	8.1	7.0	6.6	7.1	6.4	6.8	8.7	9.8	5.3	4.5	2.4	2.0	4.9	9.8	1.3
15	2.9	1.4	1.3	1.4	1.3	1.3	1.3	1.5	1.7	2.7	3.8	4.4	5.3	4.5	4.8	4.1	4.9	6.1	8.7	7.3	4.8	3.7	6.1	2.8	3.7	8.7	1.3
16	2.1	2.0	0.9	2.6	2.4	2.4	1.5	1.5	1.7	1.2	2.3	5.3	3.7	5.0	5.2	5.2	3.6	3.2	4.1	3.4	1.9	1.6	1.0	1.6	2.7	5.3	0.9
17	2.6	2.4	1.5	2.0	0.7	0.9	0.8	2.4	2.8	3.9	3.6	4.6	3.7	2.4	3.7	4.3	3.8	0.9	1.3	1.4	0.8	0.8	0.6	0.6	2.2	4.6	0.6
18	0.8	1.0	1.5	0.9	0.7	1.0	0.7	0.5	0.4	0.3	1.2	3.4	3.1	2.6	2.9	2.4	2.1	2.0	2.5	1.9	2.4	1.7	2.0	1.4	1.6	3.4	0.3
19	2.1	1.9	1.8	2.6	2.4	1.2	1.0	1.3	0.9	1.4	2.2	4.1	4.1	4.0	2.2	4.2	4.4	4.3	4.7	3.0	2.6	1.6	1.6	3.4	2.6	4.7	0.9
20	3.3	2.8	2.1	1.4	1.1	1.3	1.4	1.5	1.3	2.2	1.6	2.4	4.2	4.6	5.8	4.5	3.2	2.8	1.8	2.9	1.9	1.5	1.3	1.1	2.4	5.8	1.1
21	1.2	1.2	0.6	1.3	0.9	1.5	2.8	4.5	2.2	1.6	2.0	2.8	2.9	3.1	4.5	3.2	3.6	2.4	1.2	1.5	1.1	1.6	1.3	1.1	2.1	4.5	0.6
22	1.2	1.2	1.3	1.0	1.0	0.9	1.0	0.6	1.1	0.7	1.2	3.1	4.5	6.3	5.7	3.7	2.4	1.6	1.7	1.5	1.1	1.0	0.8	0.9	1.9	6.3	0.6
23	0.8	0.9	1.2	1.4	2.2	1.9	1.7	2.3	1.9	1.6	1.6	5.9	3.1	2.4	3.5	3.1	2.4	2.0	1.4	0.9	4.7	3.2	2.6	4.1	2.4	5.9	0.8
24	5.5	5.7	5.0	3.6	3.9	4.0	1.9	1.6	1.5	2.0	4.4	6.2	5.0	4.3	5.5	3.3	3.0	1.1	1.7	2.8	3.4	4.3	5.7	6.7	3.8	6.7	1.1
25	4.9	4.2	4.4	4.4	3.5	4.0	2.5	2.0	3.1	3.8	5.0	5.9	3.9	3.7	4.3	5.4	4.5	3.5	2.1	1.4	1.4	0.9	1.0	1.8	3.4	5.9	0.9
26	2.0	1.1	2.1	2.1	1.2	1.3	1.0	1.1	1.4	3.2	4.8	5.5	6.8	5.2	6.5	2.9	4.8	2.5	2.5	5.0	4.4	2.5	1.6	1.6	3.0	6.8	1.0
27	0.9	1.8	1.7	1.4	1.1	1.1	0.8	1.1	1.0	1.1	1.6	5.7	6.5	7.6	7.0	6.2	7.3	7.4	7.7	6.2	4.4	4.4	1.5	1.2	3.6	7.7	0.8
28	2.6	3.7	3.5	2.8	1.7	1.8	1.5	1.0	0.9	2.9	5.2	8.1	7.5	7.2	8.7	8.3	5.9	5.0	4.6	5.2	4.8	4.5	3.5	3.6	4.4	8.7	0.9
29	3.2	2.5	2.2	2.5	3.0	3.2	3.1	2.7	2.6	3.5	3.9	5.2	5.6	5.3	4.8	3.9	1.9	1.1	2.0	1.5	1.5	1.1	0.9	0.6	2.8	5.6	0.6
30	0.6	0.6	0.4	0.5	0.6	0.5	0.6	0.5	0.6	0.5	0.4	0.7	2.1	3.3	3.0	3.2	1.6	1.1	1.0	1.1	1.1	0.9	0.9	1.1	1.1	3.3	0.4
Avg	2.4	2.4	2.0	1.9	1.8	1.7	1.6	1.6	1.5	1.8	2.7	4.3	4.7	4.5	4.9	4.3	3.5	3.1	3.2	2.9	2.5	2.2	2.0	2.2	2.7	5.9	0.8
Max	6.1	8.5	5.8	4.4	5.3	4.0	3.1	4.5	3.1	3.9	8.0	8.1	9.1	7.6	8.7	8.6	7.3	7.4	8.7	9.8	5.3	5.4	6.1	6.7	4.9	9.8	1.3
Min	0.6	0.6	0.4	0.5	0.6	0.5	0.6	0.5	0.4	0.3	0.4	0.7	1.2	1.2	1.4	1.0	1.5	0.9	1.0	0.9	0.8	0.8	0.6	0.6	1.1	3.3	0.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Speed (meters per second)
December 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	1.1	0.9	0.8	1.1	1.1	0.9	1.0	0.8	0.7	0.5	1.3	3.1	4.3	3.5	2.9	2.9	3.1	1.6	0.8	2.0	1.3	1.3	2.5	1.9	1.7	4.3	0.5
2	3.7	2.5	2.6	2.1	1.8	1.1	1.2	2.3	1.2	2.2	2.9	4.1	5.1	4.6	5.0	4.0	1.5	0.7	1.4	1.6	1.1	1.2	2.9	2.0	2.5	5.1	0.7
3	2.0	2.3	1.3	0.9	1.0	1.7	1.9	3.2	5.9	8.3	7.9	8.2	8.8	8.7	9.2	8.2	7.5	4.5	4.2	5.3	3.8	3.8	4.1	4.5	4.9	9.2	0.9
4	2.7	2.7	1.4	2.0	3.0	2.2	2.8	1.7	2.4	2.3	4.0	3.3	4.6	7.1	5.9	4.3	5.2	7.8	7.3	5.2	5.0	5.5	4.3	4.8	4.1	7.8	1.4
5	4.6	1.2	1.9	4.1	4.1	1.5	2.0	1.3	2.2	3.1	5.0	4.6	4.6	2.9	2.7	1.6	0.8	1.0	0.9	0.8	1.4	1.0	1.1	1.5	2.3	5.0	0.8
6	1.1	1.3	1.4	3.2	2.2	0.8	0.6	0.6	0.9	0.7	1.8	2.2	3.1	3.6	3.2	3.2	3.5	3.5	3.3	1.3	2.9	4.1	3.3	3.1	2.3	4.1	0.6
7	2.7	2.0	2.1	2.7	2.0	1.9	0.7	1.8	1.7	0.8	1.1	0.8	2.3	2.6	1.5	1.2	1.1	1.4	1.5	0.7	0.5	0.7	0.6	0.6	1.5	2.7	0.5
8	0.8	0.6	0.7	0.8	0.8	0.7	0.6	0.5	0.7	0.6	2.3	4.1	3.8	4.8	6.0	6.2	6.4	6.4	4.0	1.3	1.3	1.2	1.9	2.4	2.5	6.4	0.5
9	1.4	4.8	2.9	2.5	3.9	3.1	3.5	3.8	3.9	3.5	3.3	2.3	1.9	1.5	1.1	1.1	1.0	1.5	2.0	1.0	0.7	0.8	0.8	1.0	2.2	4.8	0.7
10	0.6	0.7	0.9	0.8	1.3	1.1	1.6	1.3	1.4	1.1	1.5	2.6	3.2	5.1	8.6	11.3	8.1	8.1	6.2	5.4	3.5	4.3	3.3	3.9	3.6	11.3	0.6
11	0.9	1.9	2.4	0.9	1.5	1.1	1.0	0.7	0.7	1.1	1.3	3.4	4.2	5.6	3.9	5.5	4.2	1.6	1.5	1.2	0.9	1.0	1.0	5.0	2.2	5.6	0.7
12	5.7	3.1	2.9	2.4	2.3	3.6	3.7	2.8	2.4	2.6	3.2	2.4	1.7	2.1	2.6	2.4	2.4	2.6	1.2	1.2	1.1	0.8	0.9	1.0	2.4	5.7	0.8
13	0.8	0.8	0.8	0.6	0.4	0.7	0.7	0.7	0.7	0.9	0.9	4.6	7.2	7.3	6.8	3.3	4.1	1.9	1.8	2.1	1.8	0.9	0.7	0.9	2.1	7.3	0.4
14	0.9	0.6	0.9	0.5	0.5	0.4	0.6	0.5	0.7	0.9	0.6	0.5	0.4	0.7	0.6	0.4	0.8	0.9	1.2	0.8	0.7	1.2	0.7	1.6	0.7	1.6	0.4
15	0.8	2.3	3.3	3.6	2.4	1.4	2.1	2.8	1.8	1.2	1.5	1.7	2.4	3.5	3.9	3.2	2.8	2.6	2.0	2.4	2.0	2.4	2.3	2.4	2.4	3.9	0.8
16	2.8	2.4	2.4	2.4	1.9	2.2	2.3	2.6	2.1	2.3	1.7	1.0	4.3	5.2	3.6	1.5	2.2	5.2	3.8	2.3	0.7	1.7	1.3	1.0	2.5	5.2	0.7
17	0.5	0.7	0.6	0.6	0.6	0.5	0.6	0.5	0.4	0.6	0.6	0.7	0.8	1.0	1.4	2.8	1.3	1.7	1.8	2.8	1.9	1.6	1.6	1.0	1.1	2.8	0.4
18	2.2	4.3	3.3	1.7	1.6	1.2	1.1	0.9	1.3	1.4	1.5	4.2	5.1	5.9	5.2	3.6	5.0	4.0	4.6	2.5	1.6	1.5	1.7	1.3	2.8	5.9	0.9
19	2.4	1.9	1.6	1.4	2.6	4.5	1.4	3.1	3.7	3.4	4.7	6.8	5.5	6.9	5.9	7.9	8.0	9.3	10.1	7.8	8.0	8.4	6.2	6.9	5.3	10.1	1.4
20	4.4	4.5	3.8	2.9	3.1	1.1	2.1	2.4	4.1	2.3	2.2	2.7	3.6	5.2	6.5	7.6	10.7	14.5	15.4	10.9	10.7	8.5	7.7	7.8	6.0	15.4	1.1
21	7.1	7.8	6.7	6.3	5.2	4.0	3.4	3.9	5.0	5.7	Au	Au	Au	Au	Au	2.4	1.3	1.9	1.7	1.4	1.0	0.8	1.2	1.9	3.6	7.8	0.8
22	2.5	2.8	3.1	2.8	2.5	2.1	1.9	2.2	2.6	1.6	0.8	0.9	0.8	2.4	3.8	3.6	4.0	1.8	1.4	2.0	3.6	2.8	1.2	1.7	2.3	4.0	0.8
23	1.2	1.4	1.6	1.1	1.6	1.4	1.5	1.3	0.8	0.8	1.1	0.9	2.3	1.8	1.8	1.1	2.0	2.7	2.3	2.6	2.1	2.6	3.1	2.2	1.7	3.1	0.8
24	3.0	2.8	2.1	1.9	1.7	1.4	1.4	1.2	0.8	0.7	1.0	3.6	4.0	2.3	3.7	4.8	3.3	3.3	2.4	2.4	2.5	2.0	2.1	1.7	2.3	4.8	0.7
25	3.0	5.9	6.9	6.1	5.4	6.7	5.1	5.8	6.9	6.1	5.6	3.2	4.4	5.1	5.6	4.2	4.3	2.0	3.8	3.2	1.0	0.6	0.9	1.9	4.3	6.9	0.6
26	0.9	0.6	0.6	1.1	1.4	0.9	1.2	3.7	4.6	6.4	7.0	5.2	5.6	6.9	6.6	4.3	1.0	1.9	2.2	1.6	1.2	0.9	1.1	1.3	2.8	7.0	0.6
27	1.4	0.9	1.2	0.9	1.2	1.1	1.9	4.4	4.5	4.7	5.0	5.5	4.3	4.9	8.6	7.1	5.8	3.7	6.1	5.5	7.5	7.2	5.4	5.7	4.4	8.6	0.9
28	5.3	3.9	3.3	4.8	7.5	8.1	6.9	7.5	7.5	7.2	9.9	10.8	9.5	9.1	8.6	8.0	6.8	4.2	4.0	6.9	5.3	4.1	3.9	2.4	6.5	10.8	2.4
29	1.3	2.1	1.7	1.3	1.1	1.3	0.9	1.1	0.9	0.9	1.2	1.6	2.7	3.0	3.1	3.5	2.2	2.5	1.2	2.1	3.3	3.5	1.2	2.9	1.9	3.5	0.9
30	5.9	6.3	3.6	4.8	12.6	12.1	10.1	7.7	6.8	5.4	5.5	7.5	5.3	4.4	4.3	3.0	3.4	1.0	0.9	0.7	1.0	0.9	1.3	2.6	4.9	12.6	0.7
31	2.2	1.5	1.4	1.3	1.3	1.6	1.7	1.8	1.8	1.5	2.1	5.3	6.1	4.6	4.4	4.6	2.7	3.0	2.7	1.6	1.2	0.9	1.1	1.2	2.4	6.1	0.9
Avg	2.4	2.5	2.3	2.2	2.6	2.3	2.2	2.4	2.6	2.6	3.0	3.6	4.1	4.4	4.6	4.2	3.8	3.5	3.3	2.9	2.6	2.5	2.3	2.6	3.0	6.4	0.8
Max	7.1	7.8	6.9	6.3	12.6	12.1	10.1	7.7	7.5	8.3	9.9	10.8	9.5	9.1	9.2	11.3	10.7	14.5	15.4	10.9	10.7	8.5	7.7	7.8	6.5	15.4	2.4
Min	0.5	0.6	0.6	0.5	0.4	0.4	0.6	0.5	0.4	0.5	0.6	0.5	0.4	0.7	0.6	0.4	0.8	0.7	0.8	0.7	0.5	0.6	0.6	0.6	0.7	1.6	0.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Wind Direction (degrees)
October 2016

	<< Hour >>																								
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	180	325	84	107	140	79	120	127	172	251	70	161	209	204	213	7	105	105	120	131	103	355	109	35	122
2	26	140	127	299	129	316	138	163	138	148	147	134	136	131	139	142	141	156	186	122	222	125	121	62	138
3	297	324	279	300	267	305	316	317	320	309	343	347	328	336	334	329	322	334	325	325	319	323	311	308	318
4	314	314	308	316	313	312	307	307	306	303	302	285	286	294	305	309	321	346	300	104	58	59	339	330	317
5	322	299	280	280	280	292	313	315	289	280	264	278	281	285	287	287	308	312	310	296	316	272	237	172	288
6	122	185	103	4	226	165	135	33	354	288	292	280	282	297	292	287	307	284	257	160	147	133	100	109	247
7	55	141	141	159	167	154	154	140	103	174	185	186	193	187	206	213	214	211	237	258	259	294	283	271	192
8	293	288	270	275	100	115	120	117	115	104	151	153	201	205	199	208	208	197	170	143	137	90	133	68	159
9	96	133	106	178	193	195	201	194	198	205	217	248	247	263	280	277	256	252	248	289	115	346	44	259	222
10	202	157	156	152	160	163	158	178	310	260	312	308	310	300	290	260	271	290	312	293	263	250	269	289	256
11	208	257	276	294	302	304	300	303	317	303	257	261	261	259	275	276	256	179	121	84	125	169	183	130	257
12	193	144	165	190	155	169	163	132	334	10	356	11	299	285	314	281	79	88	92	101	92	113	124	131	120
13	142	132	147	146	164	146	155	112	154	305	133	143	129	197	201	207	226	213	195	170	195	194	198	209	172
14	189	219	203	192	167	186	199	198	186	199	205	214	265	280	252	254	228	216	170	349	179	180	192	128	205
15	131	126	61	78	78	102	149	128	176	194	219	222	224	219	219	206	183	151	141	165	150	154	144	149	159
16	150	155	196	193	148	228	213	250	271	257	267	261	266	254	258	267	263	170	106	108	77	85	121	160	206
17	183	153	314	81	138	210	145	300	110	288	257	274	276	267	277	284	280	261	180	75	108	248	92	229	232
18	288	323	296	253	253	282	298	169	274	284	285	272	266	261	294	272	260	264	193	93	299	278	297	281	274
19	277	313	55	140	290	296	267	270	276	276	255	259	254	244	243	245	245	260	256	177	137	132	123	155	246
20	147	166	131	165	201	145	142	120	102	153	185	180	206	210	214	217	219	179	164	132	142	178	208	223	172
21	231	236	261	283	330	235	132	251	259	276	277	284	292	290	351	335	140	96	120	59	113	320	89	337	282
22	127	133	126	119	100	226	284	296	315	164	242	263	260	278	292	283	283	229	72	27	39	320	112	137	244
23	133	77	102	118	130	132	139	128	115	137	153	159	158	178	158	146	123	137	124	97	106	112	113	97	128
24	145	137	123	114	121	153	124	129	134	24	144	172	204	199	185	188	260	53	121	111	27	8	119	109	132
25	126	121	190	104	111	119	105	107	90	98	149	242	262	272	284	281	276	275	92	91	95	92	112	103	125
26	100	106	121	165	145	200	75	143	126	58	95	166	185	219	232	223	105	135	81	74	315	92	83	75	125
27	96	79	111	125	125	146	133	147	149	118	168	164	191	179	190	190	197	200	187	196	217	219	237	191	166
28	156	208	249	265	301	315	342	97	277	278	296	294	306	293	298	307	298	89	32	322	108	218	305	118	293
29	73	159	155	162	159	156	156	160	167	155	167	154	132	127	125	121	129	135	144	211	117	167	156	4	146
30	134	137	124	131	156	172	147	173	175	142	334	222	220	195	191	163	134	157	182	109	98	48	95	78	148
31	85	85	176	224	233	229	233	269	240	233	242	263	274	279	277	276	278	284	280	231	250	234	248	254	249
Prev	148	155	155	172	168	191	162	166	198	236	229	232	244	245	252	253	238	202	163	119	125	161	140	138	196

Tintina Resources, Inc.
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Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	250	261	257	277	243	113	122	119	100	35	269	244	253	253	257	264	255	163	133	100	108	131	161	246	209
2	209	96	121	53	148	109	112	137	137	131	181	225	212	204	214	187	154	124	99	109	105	114	123	100	140
3	128	127	98	100	111	103	127	173	82	141	184	318	316	20	325	322	85	83	78	89	91	136	144	96	101
4	84	149	102	152	118	140	157	151	62	337	356	160	157	151	160	163	156	113	98	55	76	126	124	106	123
5	139	139	148	96	143	128	135	154	148	140	103	161	145	157	155	161	170	98	102	104	105	112	148	122	134
6	93	84	117	139	140	118	128	129	119	351	186	247	252	268	257	271	271	289	278	312	341	68	54	97	152
7	75	17	63	28	85	126	128	101	157	327	159	305	257	262	287	263	230	98	90	48	117	117	240	143	108
8	150	137	155	129	148	151	109	157	153	151	322	124	80	113	155	166	154	125	118	103	95	118	129	120	132
9	105	114	126	57	124	145	143	68	129	343	284	329	269	286	269	272	223	109	80	27	30	50	22	44	67
10	338	27	48	142	137	31	60	322	150	261	325	156	136	141	140	141	160	157	139	138	111	126	112	103	119
11	101	50	83	117	144	126	135	140	159	153	112	156	151	157	171	170	149	99	90	82	82	98	59	108	121
12	87	131	132	149	136	133	109	108	138	192	251	213	228	225	229	265	261	261	242	144	69	288	264	275	192
13	288	293	273	275	280	313	262	260	194	252	274	261	263	267	273	267	263	244	122	121	121	326	11	271	268
14	284	286	268	204	102	112	101	104	103	90	224	217	232	250	259	261	271	268	279	270	299	295	287	290	255
15	290	322	185	138	127	152	118	120	158	147	130	163	191	174	171	173	150	184	172	177	181	234	267	293	172
16	318	105	4	266	263	64	11	105	106	313	301	278	267	298	283	286	310	298	272	283	288	245	152	316	297
17	308	324	302	318	204	148	204	297	299	297	295	286	19	39	335	332	342	94	130	125	192	112	77	5	325
18	61	151	152	150	100	148	143	149	171	250	106	152	193	200	204	187	139	110	107	164	158	159	133	178	153
19	174	141	120	131	114	149	69	152	140	144	167	163	180	155	130	164	200	197	209	224	176	142	53	88	151
20	95	105	108	136	165	140	102	128	116	121	125	174	191	198	190	189	219	279	114	106	98	137	144	209	144
21	132	147	348	137	9	312	308	310	284	348	292	286	250	262	269	277	272	271	25	96	13	79	87	68	319
22	85	104	67	73	105	38	129	4	61	290	36	308	266	251	284	280	249	136	130	144	156	178	163	159	121
23	225	304	138	88	91	117	128	93	115	91	94	200	164	123	190	186	129	129	132	297	275	300	298	274	146
24	271	277	288	291	292	294	154	73	267	234	254	254	231	220	226	245	183	184	144	161	189	196	191	174	226
25	156	165	143	142	162	151	144	177	192	211	211	194	201	212	228	212	205	186	178	129	104	78	98	86	168
26	108	80	125	183	123	119	335	328	71	127	160	171	186	175	191	178	180	108	141	89	97	129	155	111	135
27	132	67	73	152	100	94	51	80	76	73	252	286	299	314	304	295	278	282	284	273	285	288	257	226	303
28	277	272	304	293	309	47	105	17	78	305	315	316	323	332	326	324	320	318	310	311	312	293	284	280	316
29	294	322	317	311	303	299	303	292	296	297	284	289	289	299	302	282	311	72	108	54	71	37	106	100	319
30	117	144	148	154	141	189	192	178	170	238	291	349	292	269	264	263	277	10	62	141	305	173	237	149	203
Prev	130	107	114	135	134	121	121	122	131	220	239	232	229	225	237	236	219	148	124	114	103	129	136	131	157

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Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Prev
1	174	125	95	133	130	126	151	151	127	72	335	274	268	274	284	255	260	256	237	269	240	238	285	298	224
2	291	288	275	270	246	199	271	259	258	270	258	255	255	257	263	263	262	238	121	114	234	26	265	259	258
3	267	299	166	228	152	181	230	274	273	283	276	272	272	278	270	267	272	290	279	288	292	265	264	248	263
4	258	234	279	239	240	193	164	143	123	150	192	206	252	244	231	267	294	290	278	288	296	299	289	290	246
5	335	66	342	318	311	5	299	308	290	314	312	312	267	269	275	259	113	34	50	82	259	53	116	80	332
6	24	91	87	80	66	358	175	285	310	12	306	299	262	265	268	256	275	304	308	319	323	314	285	288	311
7	288	282	273	305	313	302	247	274	273	290	273	302	323	317	320	264	197	97	306	143	262	320	283	86	288
8	214	69	164	161	210	143	73	331	143	21	119	175	175	161	179	170	166	162	143	65	66	28	117	142	139
9	352	167	167	169	165	166	164	163	163	161	165	159	159	149	139	38	319	136	166	305	133	150	325	127	156
10	42	3	125	162	175	161	150	166	145	135	136	157	287	273	289	293	291	308	305	304	299	300	302	308	255
11	51	107	89	77	123	99	136	48	134	89	97	232	256	278	260	272	269	236	180	136	92	322	267	267	148
12	294	300	315	305	306	303	291	313	304	299	262	293	275	312	302	276	260	270	301	97	83	130	358	127	299
13	3	5	106	3	67	132	112	132	32	108	52	294	284	295	317	298	284	231	97	111	62	94	342	103	45
14	117	357	98	40	111	50	175	77	125	157	66	139	33	140	357	317	137	109	134	101	321	89	46	121	91
15	130	141	159	158	143	149	333	307	309	309	292	278	294	277	262	265	278	287	272	249	277	259	262	264	263
16	255	267	276	274	272	267	265	265	263	295	314	315	320	328	359	358	285	325	303	293	170	94	77	84	296
17	14	66	48	86	23	67	191	109	54	149	125	160	36	319	288	277	151	96	83	105	102	81	88	153	89
18	264	279	277	268	67	100	135	210	119	74	51	273	270	266	273	278	289	280	292	284	275	280	284	85	276
19	129	61	107	356	132	154	97	166	116	105	205	231	260	254	223	231	261	285	280	287	290	279	272	254	226
20	241	230	233	214	176	192	128	133	151	118	92	188	155	226	235	225	225	267	278	269	280	277	275	277	218
21	272	276	270	264	272	276	259	261	272	270	Au	Au	Au	Au	Au	312	18	142	123	131	99	129	134	140	241
22	131	124	124	110	112	141	129	106	106	143	7	7	42	158	152	128	140	126	149	125	107	108	51	106	115
23	99	132	133	41	112	128	167	183	164	34	153	338	128	112	131	88	135	186	145	97	130	113	105	113	123
24	106	109	133	128	127	145	107	109	86	9	318	190	177	213	291	311	267	264	274	283	276	274	283	356	222
25	326	297	310	291	280	290	317	300	279	294	284	296	293	288	269	297	320	292	320	319	120	79	21	80	306
26	91	309	315	88	154	311	23	296	283	267	262	269	261	274	270	275	240	181	134	137	138	41	111	153	252
27	146	152	175	119	310	337	156	182	177	158	191	191	173	197	231	240	244	271	250	274	275	264	265	274	217
28	271	257	242	240	253	260	267	276	269	273	273	275	275	278	278	281	280	294	291	279	279	272	271	251	270
29	151	127	95	89	21	131	286	88	296	335	13	117	163	137	132	139	109	106	86	87	239	221	67	159	114
30	209	211	237	262	282	282	297	279	288	280	286	305	318	311	323	308	271	178	65	206	252	105	123	247	269
31	251	234	201	260	27	311	299	277	293	74	286	286	287	289	279	275	349	103	106	113	143	315	77	117	287
Prev	260	223	175	210	160	172	193	227	221	356	284	256	265	261	268	274	260	244	243	213	248	332	317	166	250

Tintina Resources, Inc.
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Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	79	90	38	30	41	70	30	47	82	32	26	73	20	15	65	75	68	63	28	20	38	93	56	68	52	93	15
2	79	94	53	66	59	72	39	96	21	17	12	12	17	19	17	17	11	11	19	60	88	55	91	46	45	96	11
3	61	19	24	27	28	19	16	22	7	25	18	17	10	10	8	9	8	18	15	13	11	10	8	9	17	61	7
4	10	9	8	8	9	9	9	8	8	9	12	9	9	15	10	11	14	21	65	51	30	15	69	18	18	69	8
5	11	13	12	11	12	11	9	14	12	17	8	11	8	11	10	14	8	7	10	8	17	23	25	35	13	35	7
6	41	51	63	24	83	59	63	51	40	12	12	13	12	16	15	9	16	25	21	83	32	43	66	66	38	83	9
7	72	82	41	35	49	28	16	21	18	26	13	12	13	13	20	19	9	17	11	12	16	18	20	17	25	82	9
8	16	41	10	42	29	34	41	22	24	27	30	27	11	15	12	14	14	9	24	36	44	43	16	52	26	52	9
9	45	65	86	68	7	7	15	8	8	9	12	14	10	16	13	16	12	12	35	88	35	73	73	50	32	88	7
10	99	11	9	7	10	11	9	31	18	62	17	17	19	12	25	12	17	24	10	16	14	45	77	41	26	99	7
11	29	40	13	29	21	15	16	18	12	18	17	8	9	8	11	10	16	39	20	40	31	43	36	58	23	58	8
12	58	36	31	67	67	39	59	72	95	91	50	35	68	54	38	39	85	16	16	19	18	29	26	22	47	95	16
13	19	20	22	37	30	19	22	52	43	87	49	11	28	28	11	12	16	16	10	52	16	12	16	13	27	87	10
14	42	12	15	14	32	25	13	9	10	15	12	12	30	10	20	20	28	41	65	86	56	18	8	68	28	86	8
15	45	90	100	57	67	69	57	58	48	15	13	14	12	15	23	22	13	15	21	16	13	49	11	14	36	100	11
16	6	12	30	44	51	65	28	18	12	15	17	12	12	15	15	21	20	46	31	30	36	45	48	47	28	65	6
17	78	91	49	68	23	77	73	82	74	23	15	12	11	12	12	17	11	11	67	50	31	80	37	45	44	91	11
18	86	61	59	16	10	23	57	29	32	9	19	14	11	17	38	16	9	21	65	31	89	12	41	21	33	89	9
19	22	55	94	68	15	35	19	12	14	18	10	10	13	10	10	10	11	16	26	23	21	49	74	80	30	94	10
20	62	57	75	44	78	20	28	27	22	14	13	15	29	13	10	23	13	25	10	11	36	40	11	12	29	78	10
21	11	19	14	24	53	68	65	70	38	13	17	14	17	21	81	92	65	33	20	50	41	41	59	88	42	92	11
22	18	21	28	47	57	58	38	17	9	84	49	15	14	16	16	12	21	103	26	36	66	68	49	66	39	103	9
23	67	58	15	20	23	13	19	18	19	23	20	17	18	16	18	10	21	16	30	13	15	12	51	66	25	67	10
24	56	44	50	20	22	15	26	25	46	71	33	21	21	19	18	13	25	82	37	39	80	73	77	23	39	82	13
25	54	55	59	64	58	33	77	51	57	63	76	18	17	15	14	12	13	38	23	27	49	30	51	46	42	77	12
26	39	49	58	38	37	85	76	92	60	78	65	16	20	20	13	18	32	60	38	37	62	48	10	29	45	92	10
27	30	27	61	66	59	48	53	44	55	29	15	23	23	17	15	14	13	11	10	14	15	10	19	9	28	66	9
28	21	14	17	22	19	34	86	49	44	8	10	13	12	19	20	11	38	62	75	63	67	97	95	50	39	97	8
29	60	6	6	13	6	7	8	8	9	10	12	14	17	12	14	20	18	18	18	77	66	63	88	86	27	88	6
30	41	76	44	69	21	72	58	86	83	68	42	49	14	19	13	29	14	17	79	40	45	65	16	10	45	86	10
31	51	17	76	19	14	16	14	16	18	10	11	12	12	11	11	11	11	9	13	41	13	8	11	9	18	76	8
Avg	45	43	41	38	35	37	37	38	33	32	23	18	17	16	20	20	22	29	30	38	38	42	43	41	32	82	9
Max	99	94	100	69	83	85	86	96	95	91	76	73	68	54	81	92	85	103	79	88	89	97	95	88	52	103	16
Min	6	6	6	7	6	7	8	8	7	8	8	8	8	8	8	9	8	7	10	8	11	8	8	9	13	35	6

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

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

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
October 2016

	<< 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	5.8	4.8	5.2	4.9	4.7	5.2	6.1	7.7	9.0	12.3	13.0	15.6	17.2	17.7	14.5	8.3	8.1	7.8	7.9	7.1	5.9	5.7	5.7	5.1	8.6	17.7	4.7
2	4.4	2.5	1.5	0.5	0.0	-0.5	-0.4	0.9	6.2	9.3	10.4	11.3	11.1	11.6	10.9	10.4	11.0	10.6	10.1	9.1	8.4	8.2	7.6	7.0	6.8	11.6	-0.5
3	6.7	6.5	6.3	6.1	5.5	5.7	5.6	5.5	5.6	5.6	6.2	6.8	6.4	6.3	5.9	4.9	4.0	3.3	2.8	2.5	2.0	2.1	1.8	1.8	4.8	6.8	1.8
4	1.7	1.7	1.4	1.6	1.2	0.6	0.4	0.2	0.1	0.2	0.5	1.0	1.6	2.0	2.6	3.0	3.2	2.6	1.7	0.3	0.0	0.2	0.4	0.6	1.2	3.2	0.0
5	1.0	1.1	0.6	0.2	0.1	0.1	-0.2	-0.6	-0.5	-0.4	-0.5	-0.2	0.1	0.2	0.4	0.6	0.7	0.4	0.0	-0.1	-0.2	-0.3	-0.5	-0.5	0.1	1.1	-0.6
6	-0.5	-0.4	-0.2	-0.1	0.1	0.3	0.5	0.9	1.3	2.1	3.1	3.6	4.0	4.6	5.0	5.1	4.7	4.0	2.9	1.5	0.0	-0.4	-1.3	-1.2	1.7	5.1	-1.3
7	-0.8	-0.9	-1.7	-2.2	-2.3	-2.1	-2.4	-1.8	2.7	5.0	6.0	6.8	7.1	7.0	7.2	8.0	8.2	8.0	7.8	7.4	6.5	6.3	5.9	5.8	3.8	8.2	-2.4
8	5.9	5.8	6.0	5.8	5.7	5.4	5.3	5.4	5.9	7.6	9.9	11.1	12.6	13.6	14.0	14.8	15.0	14.1	11.5	10.1	10.6	9.5	8.3	8.2	9.3	15.0	5.3
9	8.8	8.0	9.6	9.0	10.0	10.0	10.1	11.1	12.3	14.2	15.9	15.9	15.5	16.2	16.2	15.6	15.1	13.9	11.9	10.5	8.8	8.3	8.0	6.1	11.7	16.2	6.1
10	5.4	6.5	5.9	5.0	4.5	4.0	3.7	3.4	1.5	2.9	1.4	2.4	1.6	2.4	2.2	0.6	-2.4	-2.4	-2.3	-2.9	-3.6	-3.9	-4.0	-4.5	1.1	6.5	-4.5
11	-5.0	-4.9	-5.0	-5.2	-5.5	-5.8	-6.0	-6.1	-5.8	-5.2	-4.6	-4.6	-4.6	-4.5	-4.0	-4.0	-4.7	-6.3	-7.7	-9.7	-10.7	-11.5	-12.6	-13.4	-6.6	-4.0	-13.4
12	-14.0	-14.0	-14.7	-15.1	-15.1	-15.7	-15.8	-15.5	-12.0	-7.6	-3.8	0.3	3.0	4.2	5.4	6.4	6.6	1.7	-0.7	-2.2	-2.9	-4.6	-4.9	-6.2	-5.7	6.6	-15.8
13	-6.4	-6.1	-6.1	-6.9	-7.1	-6.4	-5.9	-5.1	-2.4	1.4	6.5	8.7	10.0	11.8	13.3	13.0	12.9	11.8	11.1	10.0	11.0	11.5	12.0	12.3	4.4	13.3	-7.1
14	12.2	12.1	11.8	11.7	12.5	13.0	13.6	13.5	13.3	13.8	13.0	13.8	10.5	6.1	6.0	6.2	6.2	6.2	4.9	3.8	2.6	1.6	2.3	3.5	8.9	13.8	1.6
15	2.1	0.2	1.6	0.9	0.3	0.4	-0.2	0.8	4.7	7.0	8.1	8.6	9.1	10.1	10.7	10.9	10.4	9.3	8.6	8.8	8.4	8.2	9.7	9.4	6.2	10.9	-0.2
16	9.2	9.9	8.8	6.6	5.4	4.9	5.8	5.9	4.1	3.5	3.9	5.8	5.8	7.2	7.3	7.7	7.6	4.7	1.4	0.1	-0.7	-1.6	-1.8	-2.2	4.6	9.9	-2.2
17	-2.1	-1.6	-1.1	0.4	0.6	1.1	0.6	0.7	1.5	2.5	2.3	3.2	4.2	4.1	4.2	4.7	4.4	1.9	1.0	1.4	1.1	0.9	1.2	2.7	1.7	4.7	-2.1
18	2.1	2.4	2.1	2.7	2.7	2.5	1.7	0.7	2.9	3.7	4.6	5.2	5.6	6.1	6.4	6.8	6.2	5.2	2.7	0.9	1.3	1.2	1.1	1.2	3.3	6.8	0.7
19	0.9	0.9	0.9	0.8	1.3	1.4	1.1	1.0	1.1	1.9	2.6	3.2	3.9	4.7	4.5	4.2	4.1	3.8	2.5	0.0	-1.9	-3.1	-4.1	-5.2	1.3	4.7	-5.2
20	-5.6	-6.1	-6.3	-5.9	-5.9	-4.9	-4.6	-3.9	0.7	4.5	6.1	7.6	9.1	8.7	8.9	9.0	9.4	8.8	8.1	7.2	6.5	5.1	7.4	8.5	3.0	9.4	-6.3
21	8.6	7.7	6.9	6.4	6.1	5.8	4.0	3.5	5.6	7.1	8.0	8.7	9.1	9.8	10.3	10.9	10.9	8.6	6.0	5.1	5.3	4.5	4.1	3.7	6.9	10.9	3.5
22	3.3	3.0	2.7	2.3	4.0	7.1	6.8	5.2	2.0	2.8	4.8	6.0	7.3	7.6	7.8	7.5	7.2	5.0	2.1	0.9	0.9	0.3	-0.5	-0.4	4.0	7.8	-0.5
23	1.5	1.8	2.8	3.1	3.4	3.7	4.0	3.7	5.0	7.4	9.0	10.3	11.4	12.2	12.4	12.4	11.3	9.2	8.0	6.6	3.8	3.2	1.6	1.4	6.2	12.4	1.4
24	1.3	1.0	0.9	0.7	0.4	-0.3	-0.3	-0.4	0.8	4.8	11.6	14.4	14.6	14.1	13.8	13.3	12.4	10.6	6.7	4.8	5.2	5.8	6.1	6.2	6.2	14.6	-0.4
25	5.8	5.8	5.0	5.0	5.0	4.0	2.9	2.0	3.3	6.8	10.4	11.8	12.3	12.4	12.5	12.3	11.4	9.0	6.8	4.4	3.7	3.3	1.9	1.2	6.6	12.5	1.2
26	0.6	0.4	0.7	1.4	2.0	2.6	3.2	3.7	4.6	6.0	8.8	10.5	11.7	13.2	13.3	13.4	12.4	9.7	9.3	10.0	10.2	10.4	9.5	6.0	7.2	13.4	0.4
27	5.7	6.3	4.8	3.9	3.1	3.4	3.1	2.6	3.8	11.1	14.6	15.7	16.0	16.1	16.2	15.8	15.3	15.0	14.5	14.0	13.6	13.7	13.8	12.7	10.6	16.2	2.6
28	11.3	12.1	11.7	10.1	9.2	8.0	7.0	6.4	6.5	7.1	7.0	7.4	7.9	8.4	8.6	8.4	7.3	5.4	3.7	3.1	2.8	3.1	3.2	2.8	7.0	12.1	2.8
29	3.2	3.9	3.7	3.7	3.1	2.7	2.3	2.4	2.9	3.7	4.9	4.2	5.1	5.2	5.7	6.2	5.8	4.6	3.7	3.3	2.1	1.0	0.4	-0.5	3.5	6.2	-0.5
30	-0.3	-0.5	-0.3	-0.1	0.3	0.1	1.2	0.9	2.4	5.1	8.5	12.8	13.4	13.7	13.6	13.5	12.4	10.5	11.0	9.3	7.3	6.5	5.7	4.1	6.3	13.7	-0.5
31	4.0	3.9	4.3	6.6	4.5	4.6	3.6	3.7	4.3	4.7	5.0	5.2	5.6	5.9	6.0	5.8	5.7	5.5	5.3	4.9	4.4	5.1	5.0	5.1	4.9	6.6	3.6
Avg	2.5	2.4	2.3	2.1	1.9	2.0	1.8	1.9	3.0	4.9	6.4	7.5	8.0	8.3	8.4	8.2	7.8	6.5	5.3	4.3	3.6	3.2	3.0	2.6	4.5	9.5	-0.9
Max	12.2	12.1	11.8	11.7	12.5	13.0	13.6	13.5	13.3	14.2	15.9	15.9	17.2	17.7	16.2	15.8	15.3	15.0	14.5	14.0	13.6	13.7	13.8	12.7	11.7	17.7	6.1
Min	-14.0	-14.0	-14.7	-15.1	-15.1	-15.7	-15.8	-15.5	-12.0	-7.6	-4.6	-4.6	-4.6	-4.5	-4.0	-4.0	-4.7	-6.3	-7.7	-9.7	-10.7	-11.5	-12.6	-13.4	-6.6	-4.0	-15.8

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
November 2016

	<< 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	4.8	3.9	3.4	2.7	1.4	-0.3	-2.3	-2.6	-1.7	0.9	4.5	5.2	6.2	6.8	6.8	6.9	5.5	2.9	1.4	0.2	-1.4	-0.3	0.8	3.7	2.5	6.9	-2.6
2	2.3	2.3	0.5	-0.5	-1.0	-2.2	-3.1	-3.4	-1.4	3.6	6.3	7.1	7.1	7.3	8.3	7.4	6.6	4.4	2.3	1.1	1.4	1.2	0.2	-0.3	2.4	8.3	-3.4
3	-1.0	-1.7	-1.1	-1.4	-1.0	-1.9	-2.5	-2.8	-1.3	0.9	5.8	10.7	11.4	11.7	12.7	13.0	10.5	5.0	3.2	2.0	0.8	-1.2	-1.5	-2.2	2.8	13.0	-2.8
4	-2.5	-2.9	-2.5	-2.9	-3.6	-3.8	-4.0	-3.2	-3.1	1.1	6.9	12.9	14.1	14.8	14.3	14.4	11.4	6.4	2.7	1.8	0.0	-1.6	-2.5	-3.8	2.7	14.8	-4.0
5	-3.6	-3.5	-4.1	-4.1	-4.1	-4.2	-4.6	-3.7	-1.1	4.8	11.2	13.9	15.1	16.0	16.3	15.8	12.1	7.0	4.5	2.2	1.1	-0.1	-1.1	-1.0	3.5	16.3	-4.6
6	-0.9	-1.5	-2.5	-2.9	-2.6	-2.4	-1.5	-0.5	-0.1	3.6	10.6	12.1	12.4	11.3	10.8	10.1	9.1	7.8	6.7	5.6	3.8	2.2	-0.4	-2.2	3.7	12.4	-2.9
7	-3.9	-4.4	-4.4	-5.7	-5.7	-5.9	-6.3	-5.8	-4.5	-0.6	5.1	8.2	9.3	9.8	10.3	10.0	8.7	4.4	2.1	0.8	-0.3	-1.1	-2.0	-2.2	0.7	10.3	-6.3
8	-2.7	-2.3	-2.6	-3.1	-2.6	-1.6	-1.7	-1.9	-0.9	2.4	5.7	11.5	14.5	15.7	16.0	15.7	13.2	8.8	5.2	3.6	2.7	0.7	0.6	0.4	4.1	16.0	-3.1
9	-0.2	-0.2	-0.7	-1.4	-1.6	-1.5	-1.7	-1.7	-0.2	3.4	9.7	13.9	15.8	16.1	16.2	15.8	14.1	8.7	5.3	3.5	1.7	0.8	-0.1	-0.7	4.8	16.2	-1.7
10	-1.7	-1.3	-1.7	-2.0	-3.1	-3.0	-3.7	-3.4	-2.2	1.8	6.7	12.0	12.8	12.9	12.8	12.0	10.1	8.3	6.8	6.6	5.8	5.0	4.2	2.7	4.1	12.9	-3.7
11	0.4	-1.5	-2.5	-3.3	-3.6	-3.2	-3.3	-3.1	-1.5	3.3	9.5	13.1	14.4	15.4	15.8	15.6	13.0	6.9	5.0	3.4	2.0	0.4	-0.3	-1.0	4.0	15.8	-3.6
12	-1.5	-1.9	-2.7	-2.7	-3.0	-2.9	-2.7	-2.9	-2.4	1.9	9.6	14.0	14.5	14.4	14.4	12.8	11.4	10.2	8.7	7.1	4.5	7.2	7.7	7.1	5.1	14.5	-3.0
13	6.8	6.5	6.1	5.6	5.3	4.3	4.6	3.9	4.1	5.8	6.7	7.7	8.4	8.9	9.0	9.2	8.0	6.5	3.4	2.9	3.4	3.4	5.0	7.4	6.0	9.2	2.9
14	7.4	7.0	6.0	4.6	3.9	4.3	2.7	0.7	0.6	3.7	10.9	10.8	12.0	11.9	11.7	11.6	10.3	9.6	9.4	8.6	7.8	7.0	6.7	6.6	7.3	12.0	0.6
15	6.6	6.0	5.4	4.7	4.2	3.5	3.9	5.0	5.6	6.4	8.0	8.6	8.9	7.8	7.7	7.7	6.7	6.7	5.6	5.0	5.1	4.6	1.9	1.7	5.7	8.9	1.7
16	1.0	0.3	0.0	0.2	-0.3	-1.6	-2.8	-3.1	-2.2	-0.5	0.9	0.4	0.8	1.5	1.3	1.0	0.1	-0.5	-1.3	-2.0	-2.7	-3.6	-3.9	-3.8	-0.9	1.5	-3.9
17	-3.6	-3.9	-4.3	-4.3	-4.5	-4.9	-4.6	-4.1	-3.7	-3.1	-2.8	-2.9	-3.6	-3.6	-2.2	-2.3	-4.0	-5.1	-7.9	-9.3	-9.8	-9.1	-9.0	-8.5	-5.0	-2.2	-9.8
18	-8.0	-8.0	-9.7	-10.9	-12.9	-13.3	-14.5	-14.5	-14.8	-11.7	-6.7	-2.9	-1.6	-0.8	-0.3	-0.8	-2.2	-3.2	-4.6	-4.3	-4.4	-3.7	-3.4	-2.9	-6.7	-0.3	-14.8
19	-2.7	-2.6	-2.4	-2.4	-2.3	-2.5	-3.7	-4.8	-5.1	-2.7	2.0	4.7	6.0	6.1	6.1	5.9	6.5	6.2	6.0	5.6	5.1	3.6	2.9	1.9	1.6	6.5	-5.1
20	0.6	0.2	-0.1	-1.0	-1.1	-1.0	-0.2	0.4	0.7	1.4	3.5	7.4	8.8	9.0	9.0	8.4	7.7	6.7	4.3	2.3	0.6	0.2	-0.5	-0.7	2.8	9.0	-1.1
21	-1.3	-0.3	-0.6	-0.2	-0.5	0.8	1.8	1.7	0.7	2.0	2.7	3.2	3.8	4.2	4.1	3.9	2.9	1.2	0.0	-1.9	-3.2	-4.0	-5.6	-6.6	0.4	4.2	-6.6
22	-7.3	-7.8	-8.1	-8.8	-8.9	-9.0	-9.1	-9.8	-8.9	-5.9	-0.9	1.2	2.3	2.7	2.5	2.5	1.1	-2.3	-3.5	-5.5	-6.0	-7.0	-7.2	-8.1	-4.7	2.7	-9.8
23	-8.5	-7.5	-5.0	-3.7	-2.6	-1.7	-1.5	-1.0	-1.0	0.0	1.0	1.4	0.1	0.4	1.2	1.0	0.1	-0.4	-1.3	-1.7	-0.9	-1.7	-1.7	-1.7	-1.5	1.4	-8.5
24	-1.9	-1.9	-2.3	-2.9	-2.5	-2.7	-4.6	-3.2	-2.9	-1.9	-0.6	0.0	0.5	1.2	1.5	1.2	-0.1	-1.9	-2.6	-1.8	-1.1	-0.7	-0.5	-0.5	-1.3	1.5	-4.6
25	-1.0	-1.4	-1.1	-0.4	-0.7	-0.3	-1.0	-1.1	-0.2	2.3	4.0	4.6	4.8	5.2	5.4	5.1	4.6	3.6	0.9	0.4	-1.0	-1.8	-2.1	-2.9	1.1	5.4	-2.9
26	-2.2	-2.5	-0.4	-0.1	-0.6	-1.5	-3.4	-2.9	-0.2	4.1	5.9	6.7	7.5	8.1	8.0	7.1	6.4	4.1	-0.1	-0.5	-1.6	-2.6	-2.9	-3.5	1.4	8.1	-3.5
27	-4.3	-4.3	-4.0	-4.2	-5.3	-6.2	-6.1	-5.6	-5.7	-2.2	1.7	3.2	4.1	4.3	4.5	3.9	3.0	1.6	0.7	-0.2	-1.2	-1.3	-2.7	-4.2	-1.3	4.5	-6.2
28	-3.3	-3.8	-4.1	-4.4	-5.8	-6.9	-8.0	-7.7	-7.0	-3.5	-1.9	-1.2	-1.3	-2.0	-2.0	-2.6	-3.0	-3.3	-3.7	-3.7	-3.7	-4.2	-4.7	-5.2	-4.0	-1.2	-8.0
29	-5.7	-5.8	-5.7	-5.6	-5.2	-5.3	-5.4	-5.4	-5.3	-5.2	-4.6	-4.0	-3.8	-3.6	-4.4	-4.3	-6.0	-8.0	-11.6	-13.9	-14.4	-15.8	-15.9	-17.2	-7.6	-3.6	-17.2
30	-18.6	-18.9	-19.3	-19.8	-20.6	-20.2	-20.4	-20.5	-20.3	-18.2	-13.8	-9.3	-5.3	-3.4	-3.6	-4.5	-4.8	-5.0	-5.0	-4.9	-5.1	-5.5	-6.1	-7.2	-11.7	-3.4	-20.6
Avg	-1.9	-2.1	-2.4	-2.7	-3.0	-3.2	-3.7	-3.6	-2.9	-0.1	3.6	5.8	6.7	7.0	7.1	6.8	5.4	3.2	1.4	0.4	-0.4	-1.0	-1.5	-1.8	0.7	7.4	-5.3
Max	7.4	7.0	6.1	5.6	5.3	4.3	4.6	5.0	5.6	6.4	11.2	14.0	15.8	16.1	16.3	15.8	14.1	10.2	9.4	8.6	7.8	7.2	7.7	7.4	7.3	16.3	2.9
Min	-18.6	-18.9	-19.3	-19.8	-20.6	-20.2	-20.4	-20.5	-20.3	-18.2	-13.8	-9.3	-5.3	-3.6	-4.4	-4.5	-6.0	-8.0	-11.6	-13.9	-14.4	-15.8	-15.9	-17.2	-11.7	-3.6	-20.6

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 9 Meters (degrees Celsius)
December 2016

	<< 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	-7.9	-7.7	-8.3	-8.8	-9.4	-9.9	-8.8	-8.3	-7.8	-6.6	-4.5	-3.1	-2.9	-2.8	-2.8	-2.8	-3.4	-3.8	-4.2	-4.1	-4.7	-4.7	-4.5	-4.6	-5.7	-2.8	-9.9
2	-4.4	-4.6	-4.6	-4.7	-4.9	-5.4	-5.8	-5.4	-5.3	-5.0	-4.7	-4.0	-3.9	-3.8	-4.1	-4.4	-5.3	-9.1	-11.6	-11.8	-9.4	-6.2	-5.4	-5.1	-5.8	-3.8	-11.8
3	-4.7	-4.4	-4.4	-4.2	-4.9	-4.6	-3.8	-2.8	-2.4	-1.7	-1.3	-1.0	-0.7	-0.7	-0.8	-1.3	-1.7	-2.7	-2.7	-2.7	-3.3	-2.9	-2.9	-3.4	-2.8	-0.7	-4.9
4	-3.6	-3.8	-4.0	-3.6	-3.5	-3.7	-3.5	-3.2	-4.0	-3.5	-2.3	-1.8	-0.8	-0.1	-0.6	-1.3	-2.2	-2.4	-2.5	-4.1	-5.4	-6.1	-6.8	-7.9	-3.4	-0.1	-7.9
5	-9.2	-10.5	-12.2	-12.1	-11.6	-13.0	-13.1	-13.4	-14.1	-13.2	-12.5	-11.9	-12.3	-12.3	-12.3	-12.8	-14.1	-15.9	-17.2	-18.2	-19.1	-19.5	-21.6	-23.6	-14.4	-9.2	-23.6
6	-24.4	-24.5	-24.6	-22.9	-22.0	-21.4	-21.2	-20.8	-20.2	-19.4	-18.7	-18.0	-18.1	-18.5	-18.7	-19.1	-19.1	-19.1	-19.2	-19.1	-19.4	-19.9	-20.7	-21.4	-20.4	-18.0	-24.6
7	-21.8	-21.9	-22.1	-22.5	-22.8	-23.1	-23.1	-23.0	-23.0	-22.6	-21.7	-20.6	-19.8	-19.6	-19.0	-18.8	-20.3	-21.3	-20.7	-20.4	-20.1	-19.9	-19.8	-19.9	-21.2	-18.8	-23.1
8	-19.8	-19.7	-19.6	-19.6	-19.7	-20.0	-19.9	-19.7	-19.9	-19.7	-17.0	-15.0	-13.9	-13.6	-14.0	-14.7	-17.3	-19.0	-19.2	-19.6	-20.0	-20.5	-18.8	-18.2	-18.3	-13.6	-20.5
9	-19.1	-18.0	-18.9	-18.4	-18.2	-17.9	-17.7	-17.6	-17.6	-17.1	-16.3	-15.2	-13.4	-12.0	-12.2	-12.4	-13.1	-12.8	-13.6	-13.7	-13.2	-12.7	-12.5	-12.1	-15.2	-12.0	-19.1
10	-12.0	-11.7	-11.2	-10.9	-9.8	-9.0	-7.9	-7.6	-7.8	-5.9	-4.0	-2.2	-1.8	-2.3	-2.4	-3.1	-4.0	-4.9	-5.4	-5.7	-6.4	-6.6	-6.9	-7.2	-6.5	-1.8	-12.0
11	-8.0	-10.1	-10.9	-10.9	-10.8	-11.0	-11.1	-11.9	-11.6	-10.2	-7.8	-4.1	-3.6	-3.4	-3.4	-3.1	-4.2	-5.6	-6.4	-6.8	-7.0	-6.1	-5.7	-5.0	-7.4	-3.1	-11.9
12	-5.9	-7.2	-7.9	-8.2	-8.4	-9.4	-14.7	-16.8	-17.2	-17.3	-18.1	-17.6	-16.7	-15.9	-15.6	-15.8	-16.4	-17.1	-18.3	-21.1	-22.8	-23.9	-25.2	-26.0	-16.0	-5.9	-26.0
13	-25.6	-25.8	-25.8	-26.6	-24.7	-22.7	-21.4	-20.8	-21.1	-19.6	-16.4	-9.7	-7.8	-7.7	-8.5	-9.5	-10.5	-13.2	-15.5	-17.6	-19.9	-21.1	-21.9	-21.7	-18.1	-7.7	-26.6
14	-23.9	-24.7	-25.1	-26.3	-26.5	-27.0	-27.7	-27.7	-27.3	-26.2	-23.3	-20.8	-17.6	-13.6	-12.9	-11.8	-12.0	-13.5	-14.4	-13.3	-13.3	-12.7	-12.6	-11.0	-19.4	-11.0	-27.7
15	-10.3	-10.6	-11.1	-11.6	-11.9	-11.5	-12.0	-12.6	-12.7	-12.6	-12.5	-12.3	-13.2	-14.8	-16.1	-16.4	-16.5	-16.6	-16.8	-17.4	-18.0	-18.6	-19.1	-19.6	-14.4	-10.3	-19.6
16	-20.2	-20.5	-21.1	-21.3	-21.6	-21.8	-22.2	-22.5	-22.4	-21.8	-21.5	-21.1	-20.5	-20.9	-21.1	-21.6	-22.5	-23.4	-23.7	-25.7	-27.7	-29.2	-32.0	-33.6	-23.3	-20.2	-33.6
17	-35.0	-35.3	-36.2	-36.4	-36.9	-36.4	-37.3	-37.0	-37.4	-36.0	-33.4	-29.9	-23.7	-20.1	-19.0	-18.9	-20.3	-24.7	-26.7	-26.1	-27.3	-28.0	-27.0	-22.6	-29.7	-18.9	-37.4
18	-19.2	-17.5	-17.8	-18.6	-18.4	-19.2	-22.2	-22.9	-22.3	-19.3	-14.1	-11.6	-11.0	-10.7	-10.1	-9.9	-9.8	-10.1	-10.0	-10.2	-10.1	-10.5	-10.9	-12.3	-14.5	-9.8	-22.9
19	-12.9	-13.4	-13.4	-14.3	-12.0	-9.2	-9.3	-7.0	-7.2	-7.1	-5.4	-3.9	-3.7	-3.3	-3.1	-2.5	-2.2	-1.8	-1.7	-2.0	-2.4	-2.2	-2.1	-1.6	-6.0	-1.6	-14.3
20	-1.6	-1.9	-2.1	-2.5	-3.2	-3.5	-3.9	-3.5	-2.3	-1.6	-1.2	0.4	1.0	1.7	1.8	2.4	2.5	0.3	-1.1	-3.2	-3.8	-4.2	-4.1	-3.9	-1.6	2.5	-4.2
21	-4.1	-4.2	-4.5	-4.8	-4.8	-5.1	-5.3	-5.2	-5.2	-5.1	Au	Au	Au	Au	Au	-3.4	-4.1	-7.4	-11.2	-13.3	-15.8	-16.7	-18.3	-17.6	-8.2	-3.4	-18.3
22	-15.4	-14.7	-14.3	-15.2	-16.4	-17.1	-17.8	-18.4	-17.8	-17.5	-14.7	-11.9	-8.3	-3.4	0.0	0.2	-2.2	-4.7	-6.3	-8.8	-10.5	-11.8	-12.5	-14.2	-11.4	0.2	-18.4
23	-15.7	-16.2	-16.2	-16.8	-17.4	-17.5	-16.9	-17.9	-18.1	-17.2	-14.3	-10.4	-3.0	-2.2	-2.4	-2.3	-2.2	-1.6	-2.6	-2.3	-3.2	-2.5	-2.0	-2.2	-9.3	-1.6	-18.1
24	-1.8	-1.7	-1.8	-2.4	-4.0	-5.4	-7.7	-9.3	-9.9	-9.6	-8.4	-3.4	-3.0	-2.1	-3.8	-6.3	-7.8	-9.3	-9.8	-10.1	-10.4	-10.7	-10.6	-10.3	-6.6	-1.7	-10.7
25	-10.6	-11.6	-11.3	-12.7	-13.9	-14.7	-14.7	-14.8	-16.2	-15.9	-16.0	-16.6	-16.5	-16.3	-16.6	-16.8	-16.7	-16.2	-16.1	-15.5	-14.9	-14.5	-15.0	-16.4	-15.0	-10.6	-16.8
26	-17.3	-18.5	-18.8	-17.2	-15.5	-13.2	-11.8	-9.4	-8.8	-8.5	-8.8	-8.3	-7.7	-7.6	-7.3	-7.5	-8.2	-12.7	-14.6	-16.2	-18.0	-18.7	-19.9	-19.9	-13.1	-7.3	-19.9
27	-20.1	-18.9	-16.0	-14.2	-12.5	-9.6	-7.7	-5.3	-5.5	-5.5	-4.7	-4.4	-4.6	-5.1	-4.6	-5.3	-5.4	-5.7	-5.1	-5.1	-5.0	-5.3	-5.7	-5.6	-7.8	-4.4	-20.1
28	-5.9	-5.9	-6.3	-6.7	-6.8	-6.8	-6.8	-6.8	-6.7	-6.4	-6.0	-5.6	-5.1	-5.0	-4.8	-5.2	-5.5	-6.6	-7.0	-6.5	-6.9	-7.4	-7.5	-9.0	-6.4	-4.8	-9.0
29	-11.6	-15.1	-17.5	-18.6	-17.5	-16.2	-15.3	-14.1	-12.8	-11.5	-9.0	-4.6	-3.2	-2.9	-2.4	-1.7	-1.8	-3.8	-4.9	-5.5	-1.0	1.0	0.4	-0.2	-7.9	1.0	-18.6
30	1.5	1.2	0.2	-0.1	1.9	2.3	1.2	0.0	-0.9	-1.5	-1.8	-3.1	-4.8	-5.0	-4.4	-4.7	-5.6	-7.1	-7.3	-7.8	-9.6	-11.1	-12.7	-8.6	-3.7	2.3	-12.7
31	-8.1	-8.4	-9.0	-8.7	-8.6	-9.3	-8.7	-8.8	-8.8	-8.3	-7.3	-6.5	-6.0	-5.5	-5.1	-5.2	-6.0	-9.5	-11.9	-13.3	-14.7	-16.6	-17.8	-18.9	-9.6	-5.1	-18.9
Avg	-12.9	-13.2	-13.4	-13.6	-13.4	-13.3	-13.5	-13.4	-13.4	-12.7	-11.6	-9.9	-8.9	-8.3	-8.2	-8.3	-9.0	-10.4	-11.2	-11.8	-12.4	-12.6	-13.0	-13.0	-11.7	-6.5	-18.2
Max	1.5	1.2	0.2	-0.1	1.9	2.3	1.2	0.0	-0.9	-1.5	-1.2	0.4	1.0	1.7	1.8	2.4	2.5	0.3	-1.1	-2.0	-1.0	1.0	0.4	-0.2	-1.6	2.5	-4.2
Min	-35.0	-35.3	-36.2	-36.4	-36.9	-36.4	-37.3	-37.0	-37.4	-36.0	-33.4	-29.9	-23.7	-20.9	-21.1	-21.6	-22.5	-24.7	-26.7	-26.1	-27.7	-29.2	-32.0	-33.6	-29.7	-20.2	-37.4

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
October 2016

	<< 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	3.7	3.1	3.6	3.6	3.2	4.1	5.0	7.3	8.9	12.3	13.3	16.1	18.0	18.4	14.6	8.2	7.8	7.6	7.6	6.4	4.8	5.3	5.5	4.8	8.1	18.4	3.1
2	3.9	2.0	1.5	0.6	-0.1	-0.7	-0.5	0.9	6.5	10.0	11.0	11.9	11.4	12.0	11.1	10.6	11.0	10.5	9.7	8.9	8.1	8.0	7.3	6.8	6.8	12.0	-0.7
3	6.3	6.5	6.4	6.2	5.6	5.7	5.6	5.5	5.6	5.8	6.6	7.3	7.0	6.6	6.1	5.1	4.1	3.4	2.8	2.5	2.0	2.1	1.8	1.8	4.9	7.3	1.8
4	1.6	1.6	1.4	1.5	1.1	0.6	0.4	0.2	0.2	0.4	0.8	1.7	2.2	2.7	3.4	3.8	3.9	2.5	1.3	0.0	0.0	0.3	0.5	0.6	1.4	3.9	0.0
5	1.0	1.1	0.7	0.3	0.2	0.1	-0.2	-0.5	-0.2	0.0	0.1	0.6	1.1	1.0	1.1	1.3	1.1	0.5	0.1	0.0	-0.1	-0.2	-0.3	-0.3	0.4	1.3	-0.5
6	-0.3	-0.2	-0.1	0.0	0.2	0.4	0.7	1.0	1.6	2.7	3.8	4.3	4.7	5.5	5.7	5.7	4.9	3.9	2.8	1.1	-0.3	-0.8	-1.7	-1.3	1.8	5.7	-1.7
7	-0.9	-1.3	-2.7	-3.2	-2.7	-2.5	-3.5	-2.3	2.9	5.5	6.7	7.4	7.3	7.1	7.2	8.0	8.1	7.8	7.5	7.1	6.3	6.0	5.7	5.7	3.6	8.1	-3.5
8	5.8	5.6	5.7	5.6	5.5	5.3	5.2	5.4	6.1	7.8	10.4	11.6	13.0	14.1	14.4	15.0	15.1	13.4	10.2	9.0	10.1	8.6	7.6	6.7	9.0	15.1	5.2
9	7.0	6.2	8.1	7.3	9.0	9.2	9.3	10.7	12.3	14.6	16.5	16.2	15.7	16.7	16.7	15.7	14.8	13.0	11.0	9.3	8.1	7.7	7.7	5.8	11.2	16.7	5.8
10	5.1	6.4	5.8	5.0	4.5	4.0	3.7	3.5	1.9	3.4	1.9	3.6	2.5	3.6	3.2	1.4	-1.9	-2.1	-2.1	-2.8	-3.4	-3.8	-3.9	-4.4	1.5	6.4	-4.4
11	-4.9	-4.9	-5.0	-5.2	-5.5	-5.7	-5.9	-6.2	-5.6	-5.0	-4.2	-4.1	-4.2	-4.0	-3.5	-3.6	-4.7	-7.0	-8.5	-11.0	-11.9	-13.2	-14.4	-15.0	-6.8	-3.5	-15.0
12	-15.6	-15.8	-16.6	-16.3	-16.8	-17.2	-17.3	-16.0	-11.9	-7.4	-3.5	1.0	3.4	4.7	5.8	6.8	7.0	1.5	-0.7	-2.7	-3.4	-5.8	-5.9	-7.3	-6.3	7.0	-17.3
13	-7.7	-7.3	-7.9	-8.3	-8.3	-7.9	-7.2	-5.8	-2.2	1.7	6.5	8.7	10.3	12.0	13.8	13.2	12.9	11.0	9.7	9.3	10.1	10.7	11.5	12.0	3.8	13.8	-8.3
14	12.0	11.7	11.4	11.1	12.1	12.6	13.3	13.2	13.0	13.6	13.0	13.7	10.4	6.1	6.1	6.2	6.1	5.8	4.4	3.2	1.9	0.6	0.7	2.3	8.5	13.7	0.6
15	1.4	-0.6	0.3	0.0	-0.4	-0.7	-1.1	-0.1	4.7	6.9	8.3	8.7	9.1	10.2	10.6	10.9	10.1	8.7	8.0	8.0	7.9	7.6	9.2	8.9	5.7	10.9	-1.1
16	8.7	9.6	8.6	6.3	5.1	4.4	5.3	5.7	4.2	3.6	4.1	6.3	6.2	7.8	7.8	8.1	7.5	3.9	0.9	-0.2	-1.0	-2.2	-2.4	-2.9	4.4	9.6	-2.9
17	-2.5	-1.8	-1.3	0.0	0.2	0.6	0.2	0.4	1.5	2.6	2.5	3.5	4.5	4.3	4.3	4.9	4.4	1.6	0.4	0.8	0.7	0.6	0.9	2.0	1.5	4.9	-2.5
18	1.8	1.9	1.6	2.3	2.3	2.1	0.9	0.3	2.9	3.8	5.0	5.9	6.3	6.7	6.8	6.9	5.9	4.6	1.7	0.4	1.2	1.2	1.1	1.2	3.1	6.9	0.3
19	0.6	0.6	0.9	0.6	1.1	1.3	1.0	1.0	1.2	2.2	3.1	4.0	4.4	5.4	5.1	4.7	4.3	3.7	1.9	-1.3	-2.8	-4.1	-5.4	-6.3	1.1	5.4	-6.3
20	-6.9	-7.2	-7.1	-6.7	-6.5	-6.2	-5.7	-4.4	0.8	5.0	6.8	8.4	9.8	9.1	9.3	9.1	9.2	8.4	7.4	6.8	6.0	3.8	5.6	8.0	2.6	9.8	-7.2
21	8.3	7.4	6.6	5.9	5.3	4.4	3.3	3.0	5.5	7.4	8.5	9.3	9.5	10.1	10.7	11.2	10.8	8.3	5.2	4.8	4.2	3.9	2.9	2.5	6.6	11.2	2.5
22	1.8	2.1	1.8	1.5	3.2	6.3	6.1	5.0	2.1	3.0	5.3	6.6	8.1	8.4	8.4	7.8	7.1	4.3	1.6	0.5	0.6	-0.3	-0.8	-1.1	3.7	8.4	-1.1
23	1.4	1.3	2.1	2.1	2.2	3.2	3.4	3.2	5.1	8.0	9.8	11.0	12.3	12.9	13.0	12.4	11.0	8.9	7.5	6.2	2.6	1.6	0.0	0.2	5.9	13.0	0.0
24	0.3	0.0	-0.4	-0.6	-1.1	-1.8	-1.7	-1.8	0.5	5.2	12.0	14.9	15.2	14.5	14.1	13.1	12.2	9.7	5.4	3.7	4.4	5.3	5.5	5.1	5.6	15.2	-1.8
25	4.3	4.3	3.8	4.3	4.5	2.7	2.2	1.6	3.4	7.2	10.8	12.5	13.1	12.9	13.2	12.7	10.9	8.0	6.0	3.8	3.1	3.0	1.1	0.2	6.2	13.2	0.2
26	-0.1	-0.3	0.1	0.7	1.5	2.1	2.9	3.5	4.7	6.2	8.8	10.6	12.0	13.6	13.5	13.2	11.7	8.7	8.4	8.7	8.6	8.4	6.6	5.0	6.6	13.6	-0.3
27	5.1	4.5	3.6	2.1	1.7	1.8	1.4	0.9	2.1	10.3	14.7	16.0	16.2	16.2	16.3	15.6	14.9	14.6	13.6	13.2	13.1	13.4	13.4	11.3	9.8	16.3	0.9
28	10.3	11.4	11.3	9.4	8.6	7.8	6.7	6.3	6.5	7.1	7.2	7.8	8.4	9.0	8.9	8.6	6.9	4.8	3.0	2.2	2.2	2.0	2.7	2.7	6.7	11.4	2.0
29	3.1	3.9	3.7	3.7	3.2	2.8	2.4	2.5	3.3	4.2	5.9	5.0	5.6	5.6	6.0	6.4	5.8	4.2	3.3	2.6	1.1	-0.1	-0.5	-1.6	3.4	6.4	-1.6
30	-1.9	-1.6	-1.1	-0.7	-0.8	-0.7	0.2	0.0	1.8	5.1	8.9	13.4	14.0	14.2	13.8	13.4	12.1	9.9	10.8	9.1	7.2	6.4	5.7	4.2	6.0	14.2	-1.9
31	4.1	4.0	4.2	6.2	4.0	4.3	3.5	3.5	4.1	4.6	5.0	5.2	5.6	5.8	5.9	5.8	5.6	5.2	5.1	4.6	3.9	4.8	4.6	4.8	4.8	6.2	3.5
Avg	1.8	1.7	1.6	1.5	1.4	1.4	1.3	1.5	3.0	5.1	6.8	8.0	8.5	8.8	8.8	8.5	7.8	6.1	4.7	3.7	3.1	2.6	2.3	2.0	4.2	9.8	-1.7
Max	12.0	11.7	11.4	11.1	12.1	12.6	13.3	13.2	13.0	14.6	16.5	16.2	18.0	18.4	16.7	15.7	15.1	14.6	13.6	13.2	13.1	13.4	13.4	12.0	11.2	18.4	5.8
Min	-15.6	-15.8	-16.6	-16.3	-16.8	-17.2	-17.3	-16.0	-11.9	-7.4	-4.2	-4.1	-4.2	-4.0	-3.5	-3.6	-4.7	-7.0	-8.5	-11.0	-11.9	-13.2	-14.4	-15.0	-6.8	-3.5	-17.3

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
November 2016

	<< 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	4.5	3.5	2.7	2.0	-0.1	-1.5	-3.3	-3.3	-2.0	1.0	4.8	5.7	6.9	7.5	7.2	7.3	4.6	2.3	0.7	-0.2	-2.2	-1.0	0.1	2.7	2.1	7.5	-3.3
2	1.3	1.2	-1.4	-2.0	-2.3	-3.2	-4.0	-4.5	-1.4	3.9	6.8	7.7	7.6	7.7	8.9	7.3	6.1	3.6	2.0	0.5	1.0	0.3	-0.9	-1.6	1.9	8.9	-4.5
3	-2.5	-3.1	-1.6	-2.0	-1.9	-2.9	-3.4	-3.6	-1.7	1.0	6.0	11.2	11.7	12.1	13.1	13.3	10.1	4.7	2.7	1.2	0.0	-2.7	-3.2	-3.7	2.3	13.3	-3.7
4	-3.8	-4.9	-4.1	-4.9	-5.4	-5.7	-6.1	-5.4	-3.3	1.5	7.3	13.4	14.9	15.4	14.4	14.5	10.2	5.2	2.0	0.7	-0.6	-3.5	-4.3	-5.2	1.8	15.4	-6.1
5	-5.1	-5.4	-5.5	-5.5	-5.7	-5.7	-6.0	-5.3	-1.5	4.9	11.5	14.3	15.4	16.3	16.6	15.9	11.1	6.3	3.9	0.8	0.0	-1.6	-3.2	-2.3	2.7	16.6	-6.0
6	-2.0	-2.7	-4.6	-4.9	-4.3	-3.9	-2.7	-1.8	-1.0	3.7	10.8	12.6	12.8	11.3	10.6	10.0	8.7	7.2	5.8	4.5	2.4	0.4	-1.2	-2.9	2.9	12.8	-4.9
7	-4.5	-5.2	-5.8	-6.8	-7.0	-7.0	-7.5	-7.1	-4.6	-0.2	5.4	8.8	10.0	10.4	10.7	9.8	7.9	3.2	1.1	0.0	-1.0	-2.1	-3.1	-3.4	0.1	10.7	-7.5
8	-3.6	-3.4	-3.9	-3.8	-3.9	-2.9	-2.9	-3.4	-1.2	2.5	6.0	11.9	14.9	16.1	16.6	15.9	12.2	7.4	3.6	2.6	1.9	-0.8	-1.2	-1.1	3.3	16.6	-3.9
9	-1.4	-2.1	-2.2	-2.7	-3.2	-3.4	-3.2	-3.3	-0.7	3.8	10.0	14.3	16.3	16.6	16.6	15.9	13.3	7.3	4.4	2.2	0.6	-0.4	-1.2	-1.9	4.0	16.6	-3.4
10	-2.8	-3.0	-3.4	-4.0	-4.9	-4.7	-5.1	-5.1	-2.5	2.1	7.2	12.4	13.4	13.5	13.2	12.1	9.5	6.9	6.2	5.4	4.0	3.3	2.6	1.0	3.2	13.5	-5.1
11	-0.9	-2.9	-4.1	-5.0	-5.1	-4.8	-4.8	-4.7	-2.3	3.5	9.7	13.6	14.9	15.8	16.4	15.8	12.0	6.3	4.1	2.8	0.8	-1.0	-1.8	-2.7	3.1	16.4	-5.1
12	-2.9	-3.8	-4.1	-4.3	-4.5	-4.6	-4.0	-4.5	-2.7	2.0	9.7	14.5	15.2	15.0	14.7	12.7	10.9	8.4	6.7	4.7	2.2	6.0	7.4	6.8	4.2	15.2	-4.6
13	6.5	6.1	5.6	5.1	5.0	3.8	4.2	3.3	3.7	6.1	7.2	8.3	9.1	9.5	9.5	9.4	7.4	5.0	2.3	2.6	2.8	2.7	3.7	6.9	5.7	9.5	2.3
14	7.0	6.7	5.4	3.5	2.7	2.5	1.4	-0.1	0.3	3.4	11.3	10.9	12.5	12.2	11.8	11.7	10.0	9.4	9.3	8.5	7.7	6.8	6.3	6.4	7.0	12.5	-0.1
15	6.4	5.6	4.7	4.2	3.8	3.2	3.8	4.8	5.4	6.4	8.3	8.8	8.9	7.8	7.8	7.7	6.7	6.6	5.6	4.9	5.0	4.5	1.9	1.6	5.6	8.9	1.6
16	0.9	0.2	-0.2	-0.1	-0.9	-1.9	-3.1	-3.5	-2.0	-0.3	1.1	0.6	1.1	1.9	1.5	1.2	0.0	-1.1	-1.8	-2.4	-3.3	-4.0	-4.1	-3.9	-1.0	1.9	-4.1
17	-3.7	-4.3	-4.8	-4.5	-4.8	-5.2	-4.7	-4.2	-3.7	-2.9	-2.4	-2.5	-3.3	-3.4	-2.0	-2.1	-4.2	-6.1	-10.0	-11.3	-10.5	-9.6	-9.4	-8.8	-5.4	-2.0	-11.3
18	-8.1	-8.6	-11.9	-13.3	-14.6	-15.9	-16.7	-16.5	-15.4	-11.6	-6.5	-2.5	-1.4	-0.6	-0.1	-1.0	-2.7	-4.2	-5.2	-5.4	-5.1	-4.3	-3.6	-3.1	-7.4	-0.1	-16.7
19	-3.0	-3.0	-2.6	-2.5	-2.6	-3.3	-4.5	-6.1	-6.4	-2.7	2.0	5.0	6.2	6.2	5.9	5.4	6.1	5.7	5.6	5.2	4.1	2.8	1.9	1.4	1.1	6.2	-6.4
20	0.3	0.1	-0.5	-2.0	-2.0	-1.8	-0.8	-0.1	-0.1	1.1	3.4	7.4	8.8	9.0	8.9	7.9	6.4	5.8	3.4	2.0	0.2	-0.7	-1.0	-1.3	2.3	9.0	-2.0
21	-2.2	-1.1	-1.4	-1.2	-1.4	-0.4	0.9	0.8	0.2	1.9	3.0	3.6	4.3	4.7	4.3	3.9	2.5	0.2	-0.9	-2.8	-4.0	-4.5	-6.6	-7.7	-0.2	4.7	-7.7
22	-8.4	-8.8	-9.2	-9.7	-10.1	-10.0	-10.1	-10.8	-9.0	-5.5	-0.4	1.7	3.0	3.3	2.9	2.6	0.3	-3.1	-5.0	-7.2	-8.1	-8.5	-8.7	-9.3	-5.3	3.3	-10.8
23	-9.7	-8.9	-6.5	-5.5	-3.5	-2.3	-2.3	-1.6	-1.3	0.0	1.2	1.6	0.4	0.6	1.3	1.0	0.1	-0.7	-1.8	-2.0	-1.0	-1.7	-1.9	-1.9	-1.9	1.6	-9.7
24	-2.1	-2.2	-2.8	-3.6	-3.2	-3.2	-5.6	-3.6	-3.3	-1.8	-0.3	0.4	1.0	1.7	2.0	1.2	-1.1	-2.8	-3.8	-2.7	-2.2	-1.4	-0.9	-0.8	-1.7	2.0	-5.6
25	-1.4	-2.4	-1.8	-0.9	-1.5	-0.9	-1.6	-2.4	-1.8	2.2	4.3	4.9	4.9	5.2	5.4	5.0	4.0	2.6	-0.3	-0.4	-2.1	-3.5	-3.6	-4.7	0.4	5.4	-4.7
26	-2.8	-3.9	-1.1	-1.3	-1.7	-3.1	-4.8	-4.5	-1.6	4.1	6.3	7.3	8.1	8.6	8.0	6.8	5.8	3.5	-0.6	-0.8	-1.8	-4.1	-5.1	-4.3	0.7	8.6	-5.1
27	-5.4	-5.2	-5.2	-5.8	-6.5	-7.9	-7.9	-6.9	-6.1	-1.8	1.9	3.3	4.3	4.5	4.6	3.9	2.7	1.3	0.3	-0.6	-1.7	-2.0	-3.6	-6.1	-1.9	4.6	-7.9
28	-4.2	-4.3	-5.1	-5.0	-6.6	-7.9	-8.4	-7.9	-7.6	-3.5	-1.7	-0.8	-0.8	-1.6	-1.8	-2.5	-3.2	-3.5	-3.8	-3.8	-3.8	-4.2	-4.8	-5.5	-4.3	-0.8	-8.4
29	-6.1	-6.0	-5.8	-5.8	-5.4	-5.5	-5.7	-5.8	-5.2	-5.1	-4.5	-3.8	-3.6	-3.5	-4.5	-4.4	-6.8	-9.4	-12.7	-14.9	-15.8	-17.0	-17.8	-19.3	-8.1	-3.5	-19.3
30	-20.3	-20.8	-21.3	-21.8	-22.2	-22.2	-22.6	-22.7	-21.7	-18.8	-13.8	-9.1	-4.9	-3.2	-3.5	-4.4	-4.7	-4.9	-5.0	-4.9	-5.2	-5.9	-6.5	-7.8	-12.4	-3.2	-22.7
Avg	-2.7	-3.1	-3.4	-3.8	-4.1	-4.4	-4.7	-4.7	-3.3	0.0	3.9	6.2	7.1	7.4	7.4	6.8	4.9	2.4	0.6	-0.4	-1.2	-1.9	-2.5	-2.8	0.2	7.7	-6.6
Max	7.0	6.7	5.6	5.1	5.0	3.8	4.2	4.8	5.4	6.4	11.5	14.5	16.3	16.6	16.6	15.9	13.3	9.4	9.3	8.5	7.7	6.8	7.4	6.9	7.0	16.6	2.3
Min	-20.3	-20.8	-21.3	-21.8	-22.2	-22.2	-22.6	-22.7	-21.7	-18.8	-13.8	-9.1	-4.9	-3.5	-4.5	-4.4	-6.8	-9.4	-12.7	-14.9	-15.8	-17.0	-17.8	-19.3	-12.4	-3.5	-22.7

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Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature 2 Meters (degrees Celsius)
December 2016

	<< 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	-8.9	-8.7	-9.1	-10.2	-11.1	-11.1	-9.3	-8.7	-7.8	-6.6	-4.2	-2.7	-2.5	-2.4	-2.6	-2.7	-3.4	-3.8	-4.2	-4.2	-5.0	-4.8	-4.6	-4.5	-6.0	-2.4	-11.1
2	-4.4	-4.5	-4.5	-4.7	-5.1	-5.9	-6.3	-5.6	-5.3	-4.8	-4.6	-3.8	-3.7	-3.7	-4.0	-4.8	-6.1	-11.0	-13.0	-12.8	-10.0	-6.4	-5.4	-5.2	-6.1	-3.7	-13.0
3	-4.8	-4.5	-4.6	-4.3	-5.2	-4.8	-4.1	-3.0	-2.5	-1.8	-1.3	-1.1	-0.7	-0.9	-1.0	-1.5	-1.9	-3.5	-3.3	-3.3	-4.2	-3.2	-3.1	-3.6	-3.0	-0.7	-5.2
4	-3.6	-3.9	-4.2	-3.8	-3.8	-4.0	-3.8	-3.4	-4.4	-3.6	-2.3	-1.7	-0.7	-0.2	-0.7	-1.3	-2.1	-2.5	-2.7	-4.7	-6.1	-6.5	-6.9	-8.0	-3.5	-0.2	-8.0
5	-9.6	-11.3	-13.8	-13.7	-12.4	-14.0	-13.7	-14.1	-15.0	-13.4	-12.5	-11.8	-12.0	-12.1	-12.0	-12.9	-14.7	-16.5	-18.0	-19.2	-19.8	-20.2	-23.2	-24.7	-15.0	-9.6	-24.7
6	-25.2	-25.7	-24.8	-22.8	-21.8	-21.3	-21.0	-20.6	-20.1	-19.2	-18.3	-17.7	-17.7	-18.1	-18.3	-18.8	-18.9	-18.9	-19.0	-19.0	-19.3	-19.8	-20.6	-21.4	-20.3	-17.7	-25.7
7	-21.7	-22.0	-22.0	-22.4	-22.7	-22.9	-22.9	-22.8	-22.8	-22.4	-21.4	-20.4	-19.5	-19.2	-18.6	-19.0	-21.0	-21.3	-20.8	-20.3	-20.1	-19.8	-19.8	-19.8	-21.1	-18.6	-22.9
8	-19.8	-19.7	-19.6	-19.7	-19.8	-20.1	-20.1	-19.8	-20.0	-19.7	-16.9	-14.6	-13.6	-13.3	-13.8	-14.7	-17.5	-19.2	-19.5	-21.1	-20.6	-20.9	-18.7	-18.1	-18.4	-13.3	-21.1
9	-19.0	-17.9	-19.0	-18.4	-18.0	-17.7	-17.5	-17.4	-17.4	-16.9	-16.0	-14.9	-13.2	-12.1	-12.3	-12.5	-13.3	-12.8	-13.5	-13.5	-13.1	-12.5	-12.3	-12.0	-15.1	-12.0	-19.0
10	-11.8	-11.6	-11.1	-11.1	-10.2	-9.3	-8.7	-8.1	-8.2	-6.2	-4.0	-2.2	-1.7	-2.2	-2.5	-3.5	-4.4	-5.4	-6.0	-6.5	-7.8	-8.2	-8.0	-8.2	-7.0	-1.7	-11.8
11	-9.1	-11.3	-11.1	-11.0	-11.2	-11.3	-11.7	-12.9	-12.2	-10.5	-8.0	-4.0	-3.4	-3.4	-3.4	-3.3	-4.7	-6.7	-7.0	-7.7	-7.9	-6.6	-6.0	-5.1	-7.9	-3.3	-12.9
12	-5.9	-7.3	-7.8	-8.1	-8.3	-9.3	-14.4	-16.6	-17.1	-17.1	-18.0	-17.2	-16.3	-15.5	-15.3	-15.7	-16.3	-17.0	-19.1	-22.6	-24.4	-26.1	-26.7	-28.1	-16.3	-5.9	-28.1
13	-27.9	-27.8	-28.1	-28.3	-25.7	-22.9	-21.6	-21.6	-21.9	-20.3	-17.2	-9.9	-8.0	-7.8	-8.7	-10.1	-11.7	-14.7	-17.6	-18.8	-20.9	-22.7	-23.7	-23.9	-19.2	-7.8	-28.3
14	-25.8	-26.0	-27.0	-27.8	-28.5	-29.1	-29.8	-29.4	-29.5	-27.6	-24.4	-21.4	-17.8	-14.3	-13.9	-13.0	-13.3	-14.5	-15.2	-14.4	-14.5	-13.3	-13.2	-11.7	-20.6	-11.7	-29.8
15	-10.7	-10.6	-11.0	-11.5	-11.8	-11.4	-11.8	-12.5	-12.7	-12.4	-12.3	-12.1	-13.0	-14.6	-15.9	-16.2	-16.3	-16.4	-16.6	-17.2	-17.8	-18.5	-18.9	-19.4	-14.2	-10.6	-19.4
16	-20.1	-20.3	-20.9	-21.1	-21.5	-21.7	-22.2	-22.3	-22.3	-21.6	-21.3	-20.8	-20.3	-20.8	-21.1	-21.6	-22.6	-23.3	-24.0	-26.7	-28.8	-30.7	-33.2	-34.9	-23.5	-20.1	-34.9
17	-36.0	-36.9	-37.4	-38.1	-38.1	-38.4	-39.0	-38.6	-38.7	-37.3	-34.2	-30.5	-25.7	-20.0	-19.1	-19.5	-22.2	-25.8	-28.0	-28.0	-28.2	-29.3	-29.3	-26.3	-31.0	-19.1	-39.0
18	-20.4	-18.0	-18.4	-19.2	-19.9	-21.0	-23.7	-23.9	-22.9	-20.2	-14.4	-11.5	-10.9	-10.7	-10.0	-10.0	-10.0	-10.7	-10.6	-11.0	-10.6	-11.2	-12.7	-15.2	-15.3	-10.0	-23.9
19	-14.5	-14.7	-14.8	-15.6	-12.9	-9.6	-9.6	-7.1	-7.4	-7.3	-5.8	-4.1	-3.9	-3.5	-3.2	-2.7	-2.4	-2.0	-1.9	-2.2	-2.6	-2.4	-2.2	-1.8	-6.4	-1.8	-15.6
20	-1.8	-2.1	-2.3	-2.7	-3.4	-3.9	-4.1	-3.5	-2.5	-1.8	-1.3	0.3	0.9	1.6	1.7	2.2	2.3	0.1	-1.7	-3.5	-4.2	-4.5	-4.3	-4.1	-1.8	2.3	-4.5
21	-4.2	-4.3	-4.7	-4.9	-5.0	-5.5	-5.6	-5.4	-5.5	-5.4	Au	Au	Au	Au	Au	-3.7	-4.9	-9.2	-12.7	-15.4	-17.4	-18.9	-20.0	-19.7	-9.1	-3.7	-20.0
22	-16.9	-16.2	-15.3	-16.7	-18.0	-19.5	-19.8	-19.9	-19.2	-18.7	-15.6	-12.5	-8.7	-3.9	-0.7	-0.5	-3.4	-6.0	-8.3	-10.4	-12.7	-13.3	-13.9	-16.0	-12.8	-0.5	-19.9
23	-17.5	-18.8	-18.4	-18.9	-18.7	-18.4	-19.3	-19.8	-19.8	-18.8	-14.5	-10.6	-3.8	-2.4	-2.6	-2.6	-2.8	-2.4	-3.4	-2.7	-3.6	-2.9	-2.3	-2.4	-10.3	-2.3	-19.8
24	-2.0	-1.7	-2.2	-3.2	-5.0	-7.2	-9.7	-11.5	-11.6	-10.8	-9.2	-4.6	-3.0	-2.1	-3.8	-6.2	-7.7	-9.2	-9.7	-9.9	-10.3	-10.7	-10.5	-10.3	-7.2	-1.7	-11.6
25	-10.6	-11.6	-11.3	-12.6	-13.9	-14.6	-14.6	-14.7	-16.1	-15.8	-15.8	-16.4	-16.3	-16.1	-16.6	-16.8	-16.5	-16.1	-15.9	-15.4	-14.8	-14.4	-15.4	-17.0	-15.0	-10.6	-17.0
26	-17.8	-19.8	-19.4	-17.9	-16.6	-14.8	-12.5	-9.5	-8.8	-8.5	-9.0	-8.3	-7.7	-7.7	-7.5	-7.7	-8.9	-14.5	-16.0	-17.8	-19.3	-20.4	-21.6	-21.7	-13.9	-7.5	-21.7
27	-21.7	-20.1	-16.9	-15.1	-14.2	-11.4	-8.7	-5.4	-5.6	-5.6	-4.9	-4.4	-4.6	-5.0	-4.6	-5.4	-5.4	-6.0	-5.3	-5.4	-5.4	-5.5	-5.9	-6.0	-8.3	-4.4	-21.7
28	-6.2	-6.3	-6.9	-6.8	-6.9	-6.8	-7.0	-6.9	-6.7	-6.5	-6.0	-5.8	-5.3	-5.1	-4.9	-5.4	-6.0	-7.8	-8.1	-7.0	-7.6	-8.5	-8.6	-10.2	-6.8	-4.9	-10.2
29	-14.5	-16.7	-18.7	-19.7	-18.3	-16.5	-15.5	-14.3	-12.9	-11.8	-9.8	-4.7	-3.2	-3.0	-2.4	-2.0	-2.4	-5.2	-6.4	-6.8	-2.4	-0.3	-0.2	-1.6	-8.7	-0.2	-19.7
30	0.7	0.5	-1.1	-1.8	1.4	1.9	0.9	-0.2	-1.0	-1.6	-1.8	-3.1	-4.7	-4.9	-4.5	-5.4	-6.3	-7.4	-7.7	-8.4	-10.7	-12.9	-14.5	-9.6	-4.3	1.9	-14.5
31	-8.5	-9.2	-10.1	-9.4	-9.1	-10.1	-9.1	-9.1	-9.1	-8.6	-7.4	-6.7	-6.2	-5.6	-5.3	-5.6	-6.9	-10.8	-12.8	-14.4	-17.2	-18.4	-19.1	-20.1	-10.4	-5.3	-20.1
Avg	-13.6	-13.8	-14.1	-14.2	-14.1	-14.0	-14.1	-13.8	-13.8	-13.0	-11.7	-10.0	-8.9	-8.3	-8.3	-8.5	-9.4	-11.0	-11.9	-12.6	-13.1	-13.3	-13.7	-13.9	-12.2	-6.7	-19.2
Max	0.7	0.5	-1.1	-1.8	1.4	1.9	0.9	-0.2	-1.0	-1.6	-1.3	0.3	0.9	1.6	1.7	2.2	2.3	0.1	-1.7	-2.2	-2.4	-0.3	-0.2	-1.6	-1.8	2.3	-4.5
Min	-36.0	-36.9	-37.4	-38.1	-38.1	-38.4	-39.0	-38.6	-38.7	-37.3	-34.2	-30.5	-25.7	-20.8	-21.1	-21.6	-22.6	-25.8	-28.0	-28.0	-28.8	-30.7	-33.2	-34.9	-31.0	-20.1	-39.0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
October 2016

	<< 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	2.09	1.68	1.59	1.30	1.53	1.10	1.02	0.36	0.04	-0.06	-0.32	-0.56	-0.86	-0.72	-0.02	0.18	0.28	0.16	0.34	0.73	1.03	0.46	0.22	0.30	0.49	2.09	-0.86
2	0.52	0.48	0.04	-0.06	0.13	0.15	0.11	-0.07	-0.32	-0.68	-0.58	-0.59	-0.34	-0.40	-0.18	-0.22	-0.08	0.12	0.34	0.20	0.31	0.16	0.26	0.18	-0.02	0.52	-0.68
3	0.36	-0.04	-0.07	-0.10	-0.11	-0.02	0.06	0.04	0.01	-0.24	-0.35	-0.51	-0.62	-0.36	-0.20	-0.21	-0.07	-0.03	-0.01	-0.01	-0.03	0.02	0.00	0.02	-0.10	0.36	-0.62
4	0.03	0.04	0.00	0.07	0.08	0.03	0.00	-0.05	-0.10	-0.16	-0.34	-0.61	-0.58	-0.67	-0.77	-0.72	-0.62	0.15	0.45	0.29	0.01	-0.03	-0.05	-0.04	-0.15	0.45	-0.77
5	0.03	0.01	-0.06	-0.09	-0.07	-0.04	0.03	-0.11	-0.35	-0.52	-0.67	-0.89	-1.01	-0.81	-0.66	-0.66	-0.40	-0.16	-0.06	-0.10	-0.13	-0.14	-0.18	-0.19	-0.30	0.03	-1.01
6	-0.18	-0.17	-0.18	-0.17	-0.18	-0.16	-0.15	-0.19	-0.25	-0.52	-0.74	-0.65	-0.73	-0.87	-0.70	-0.60	-0.23	0.06	0.09	0.42	0.39	0.39	0.45	0.06	-0.20	0.45	-0.87
7	0.04	0.40	0.92	0.94	0.41	0.42	1.18	0.54	-0.18	-0.52	-0.64	-0.58	-0.21	-0.08	-0.07	-0.05	0.09	0.17	0.31	0.31	0.28	0.25	0.26	0.16	0.18	1.18	-0.64
8	0.12	0.21	0.28	0.19	0.16	0.03	0.04	-0.05	-0.13	-0.24	-0.40	-0.53	-0.43	-0.52	-0.33	-0.24	-0.07	0.63	1.25	1.04	0.54	0.87	0.71	1.51	0.19	1.51	-0.53
9	1.82	1.73	1.50	1.70	0.99	0.79	0.80	0.40	0.02	-0.42	-0.58	-0.32	-0.16	-0.54	-0.50	-0.07	0.26	0.96	0.87	1.27	0.63	0.60	0.35	0.29	0.52	1.82	-0.58
10	0.34	0.12	0.04	-0.01	-0.03	-0.03	0.01	-0.10	-0.43	-0.41	-0.47	-1.17	-0.94	-1.14	-1.03	-0.83	-0.49	-0.29	-0.21	-0.17	-0.15	-0.10	-0.10	-0.11	-0.32	0.34	-1.17
11	-0.10	-0.05	-0.07	0.00	0.04	-0.06	-0.07	0.12	-0.17	-0.18	-0.33	-0.50	-0.48	-0.49	-0.46	-0.36	-0.05	0.70	0.83	1.27	1.22	1.61	1.79	1.65	0.24	1.79	-0.50
12	1.69	1.87	1.79	1.27	1.75	1.50	1.49	0.56	-0.09	-0.22	-0.32	-0.73	-0.42	-0.45	-0.47	-0.37	-0.37	0.19	0.05	0.48	0.50	1.24	0.98	1.19	0.55	1.87	-0.73
13	1.35	1.27	1.78	1.37	1.13	1.44	1.24	0.79	-0.17	-0.23	-0.01	0.02	-0.30	-0.26	-0.43	-0.12	-0.02	0.84	1.37	0.75	0.95	0.80	0.52	0.35	0.60	1.78	-0.43
14	0.21	0.31	0.35	0.53	0.48	0.42	0.37	0.33	0.29	0.16	0.03	0.12	0.13	-0.02	0.00	0.06	0.12	0.43	0.44	0.57	0.71	0.93	1.60	1.18	0.41	1.60	-0.02
15	0.70	0.84	1.35	0.92	0.78	1.12	0.97	0.91	0.02	0.07	-0.16	-0.07	-0.03	-0.15	0.02	-0.01	0.23	0.54	0.55	0.77	0.57	0.55	0.45	0.48	0.48	1.35	-0.16
16	0.46	0.34	0.22	0.24	0.32	0.58	0.50	0.17	-0.02	-0.06	-0.13	-0.45	-0.34	-0.62	-0.48	-0.35	0.05	0.83	0.47	0.36	0.25	0.52	0.61	0.71	0.17	0.83	-0.62
17	0.46	0.21	0.22	0.39	0.39	0.43	0.35	0.36	-0.04	-0.18	-0.25	-0.35	-0.30	-0.25	-0.18	-0.26	-0.02	0.39	0.62	0.65	0.32	0.30	0.27	0.69	0.18	0.69	-0.35
18	0.29	0.52	0.54	0.37	0.42	0.43	0.80	0.44	-0.03	-0.08	-0.33	-0.71	-0.69	-0.56	-0.36	-0.12	0.21	0.59	1.01	0.41	0.11	0.03	0.01	0.07	0.14	1.01	-0.71
19	0.29	0.27	0.08	0.17	0.15	0.11	0.05	0.00	-0.08	-0.35	-0.56	-0.77	-0.56	-0.79	-0.62	-0.48	-0.16	0.09	0.64	1.28	0.94	1.05	1.25	1.11	0.13	1.28	-0.79
20	1.37	1.10	0.87	0.81	0.61	1.25	1.08	0.46	-0.07	-0.55	-0.67	-0.82	-0.66	-0.34	-0.41	-0.13	0.12	0.40	0.71	0.41	0.53	1.23	1.78	0.50	0.40	1.78	-0.82
21	0.24	0.30	0.32	0.45	0.73	1.37	0.77	0.41	0.14	-0.28	-0.47	-0.59	-0.41	-0.37	-0.39	-0.25	0.10	0.27	0.77	0.33	1.09	0.63	1.13	1.22	0.31	1.37	-0.59
22	1.47	0.90	0.93	0.80	0.76	0.80	0.68	0.18	-0.14	-0.23	-0.49	-0.67	-0.82	-0.79	-0.64	-0.24	0.19	0.63	0.48	0.37	0.36	0.70	0.39	0.70	0.26	1.47	-0.82
23	0.09	0.53	0.71	1.02	1.20	0.59	0.64	0.50	-0.10	-0.54	-0.78	-0.77	-0.85	-0.70	-0.62	0.00	0.31	0.32	0.49	0.41	1.20	1.66	1.51	1.22	0.33	1.66	-0.85
24	0.99	0.97	1.33	1.29	1.60	1.51	1.42	1.38	0.34	-0.34	-0.38	-0.48	-0.66	-0.36	-0.25	0.13	0.14	0.88	1.36	1.10	0.73	0.45	0.56	1.11	0.62	1.60	-0.66
25	1.51	1.51	1.20	0.70	0.55	1.25	0.67	0.43	-0.03	-0.41	-0.45	-0.69	-0.75	-0.47	-0.61	-0.37	0.58	1.04	0.74	0.60	0.64	0.37	0.79	0.93	0.41	1.51	-0.75
26	0.74	0.82	0.58	0.73	0.53	0.41	0.33	0.17	-0.12	-0.11	-0.04	-0.11	-0.26	-0.36	-0.15	0.15	0.74	1.03	0.88	1.30	1.64	2.05	2.93	0.93	0.62	2.93	-0.36
27	0.60	1.85	1.21	1.88	1.43	1.61	1.72	1.74	1.72	0.85	-0.14	-0.34	-0.18	-0.12	-0.07	0.20	0.42	0.41	0.82	0.79	0.57	0.35	0.43	1.39	0.80	1.88	-0.34
28	0.96	0.77	0.47	0.65	0.61	0.21	0.27	0.09	-0.02	-0.01	-0.21	-0.39	-0.41	-0.59	-0.31	-0.12	0.40	0.63	0.69	0.88	0.64	1.07	0.53	0.12	0.29	1.07	-0.59
29	0.17	0.06	0.01	-0.02	-0.08	-0.10	-0.10	-0.08	-0.33	-0.51	-0.97	-0.83	-0.51	-0.33	-0.30	-0.24	0.01	0.38	0.42	0.67	1.00	1.12	0.96	1.10	0.06	1.12	-0.97
30	1.60	1.07	0.88	0.58	1.22	0.85	0.99	0.92	0.62	-0.09	-0.33	-0.59	-0.58	-0.42	-0.17	0.13	0.35	0.56	0.15	0.17	0.05	0.07	-0.04	-0.09	0.33	1.60	-0.59
31	-0.07	-0.06	0.02	0.37	0.51	0.24	0.17	0.23	0.20	0.09	0.07	0.03	0.00	0.07	0.06	0.04	0.11	0.26	0.20	0.27	0.51	0.33	0.38	0.25	0.18	0.51	-0.07
Avg	0.65	0.64	0.61	0.59	0.58	0.59	0.56	0.35	0.01	-0.22	-0.39	-0.52	-0.48	-0.47	-0.36	-0.20	0.07	0.43	0.55	0.57	0.56	0.63	0.67	0.61	0.25	1.27	-0.63
Max	2.09	1.87	1.79	1.88	1.75	1.61	1.72	1.74	1.72	0.85	0.07	0.12	0.13	0.07	0.06	0.20	0.74	1.04	1.37	1.30	1.64	2.05	2.93	1.65	0.80	2.93	-0.02
Min	-0.18	-0.17	-0.18	-0.17	-0.18	-0.16	-0.15	-0.19	-0.43	-0.68	-0.97	-1.17	-1.01	-1.14	-1.03	-0.83	-0.62	-0.29	-0.21	-0.17	-0.15	-0.14	-0.18	-0.19	-0.32	0.03	-1.17

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
November 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.30	0.49	0.64	0.63	1.49	1.26	0.93	0.73	0.23	-0.08	-0.29	-0.48	-0.74	-0.65	-0.41	-0.39	0.88	0.66	0.71	0.53	0.79	0.72	0.70	0.93	0.40	1.49	-0.74
2	1.04	1.08	1.93	1.43	1.34	1.09	0.89	1.06	-0.04	-0.39	-0.49	-0.63	-0.53	-0.38	-0.62	0.14	0.49	0.82	0.27	0.65	0.37	0.88	1.20	1.22	0.53	1.93	-0.63
3	1.52	1.38	0.49	0.65	0.86	1.06	0.87	0.81	0.38	-0.04	-0.28	-0.43	-0.28	-0.37	-0.43	-0.30	0.39	0.33	0.52	0.76	0.92	1.49	1.68	1.57	0.56	1.68	-0.43
4	1.29	2.00	1.60	2.01	1.80	1.91	2.11	2.16	0.19	-0.37	-0.40	-0.52	-0.74	-0.55	-0.08	-0.07	1.25	1.20	0.76	1.17	0.64	1.87	1.87	1.41	0.94	2.16	-0.74
5	1.45	1.80	1.42	1.38	1.56	1.54	1.40	1.59	0.41	-0.10	-0.28	-0.36	-0.36	-0.32	-0.32	-0.15	1.06	0.77	0.59	1.45	1.07	1.49	2.05	1.32	0.85	2.05	-0.36
6	1.16	1.23	2.11	2.02	1.67	1.53	1.15	1.33	0.99	-0.12	-0.19	-0.45	-0.42	0.05	0.12	0.12	0.40	0.61	0.88	1.06	1.31	1.80	0.81	0.65	0.83	2.11	-0.45
7	0.57	0.73	1.43	1.05	1.26	1.15	1.21	1.34	0.10	-0.46	-0.34	-0.57	-0.64	-0.62	-0.36	0.17	0.75	1.18	1.04	0.84	0.68	1.05	1.09	1.18	0.58	1.43	-0.64
8	0.88	1.12	1.27	0.75	1.35	1.35	1.16	1.52	0.32	-0.08	-0.32	-0.33	-0.42	-0.46	-0.53	-0.18	0.93	1.45	1.59	1.02	0.88	1.62	1.80	1.56	0.76	1.80	-0.53
9	1.22	1.89	1.55	1.31	1.56	1.97	1.55	1.62	0.51	-0.36	-0.35	-0.44	-0.57	-0.56	-0.38	-0.02	0.83	1.42	0.90	1.22	1.11	1.23	1.06	1.14	0.81	1.97	-0.57
10	1.19	1.61	1.76	1.97	1.79	1.73	1.41	1.70	0.29	-0.26	-0.44	-0.44	-0.53	-0.58	-0.43	-0.14	0.65	1.43	0.64	1.17	1.79	1.67	1.60	1.66	0.89	1.97	-0.58
11	1.33	1.40	1.57	1.74	1.49	1.58	1.59	1.66	0.76	-0.12	-0.28	-0.51	-0.56	-0.45	-0.51	-0.16	0.98	0.64	0.82	0.59	1.14	1.41	1.42	1.69	0.80	1.74	-0.56
12	1.37	1.84	1.36	1.63	1.51	1.71	1.32	1.63	0.31	-0.13	-0.12	-0.51	-0.60	-0.57	-0.28	0.10	0.54	1.77	2.00	2.46	2.31	1.21	0.28	0.31	0.89	2.46	-0.60
13	0.32	0.40	0.51	0.44	0.32	0.51	0.39	0.55	0.42	-0.30	-0.45	-0.58	-0.64	-0.59	-0.43	-0.19	0.64	1.54	1.03	0.30	0.52	0.65	1.23	0.49	0.30	1.54	-0.64
14	0.40	0.32	0.56	1.03	1.20	1.77	1.27	0.94	0.32	0.21	-0.35	-0.08	-0.50	-0.29	-0.11	-0.06	0.24	0.24	0.14	0.07	0.12	0.24	0.40	0.21	0.35	1.77	-0.50
15	0.28	0.36	0.68	0.46	0.42	0.29	0.10	0.13	0.16	0.02	-0.33	-0.22	0.03	-0.08	-0.04	0.06	0.05	0.09	0.02	0.03	0.08	0.13	0.03	0.13	0.12	0.68	-0.33
16	0.08	0.06	0.14	0.37	0.68	0.37	0.30	0.32	-0.18	-0.21	-0.18	-0.12	-0.25	-0.33	-0.20	-0.12	0.19	0.58	0.44	0.40	0.59	0.38	0.22	0.17	0.15	0.68	-0.33
17	0.10	0.41	0.59	0.15	0.32	0.22	0.13	0.07	-0.05	-0.20	-0.39	-0.38	-0.26	-0.17	-0.27	-0.30	0.17	1.04	2.05	2.09	0.72	0.50	0.33	0.29	0.30	2.09	-0.39
18	0.15	0.62	2.17	2.38	1.67	2.62	2.10	2.05	0.58	-0.12	-0.22	-0.43	-0.27	-0.23	-0.19	0.20	0.48	1.00	0.58	1.14	0.66	0.61	0.25	0.20	0.75	2.62	-0.43
19	0.23	0.33	0.21	0.14	0.33	0.74	0.85	1.26	1.32	-0.05	0.00	-0.25	-0.27	-0.05	0.18	0.55	0.31	0.49	0.40	0.41	0.92	0.79	0.94	0.52	0.43	1.32	-0.27
20	0.31	0.12	0.45	1.00	0.98	0.80	0.61	0.54	0.79	0.32	0.09	-0.03	-0.02	0.03	0.13	0.52	1.31	0.89	0.92	0.29	0.44	0.93	0.53	0.66	0.53	1.31	-0.03
21	0.83	0.81	0.86	1.04	0.87	1.25	0.97	0.91	0.50	0.10	-0.29	-0.41	-0.49	-0.43	-0.17	0.08	0.44	1.02	0.84	0.95	0.87	0.52	0.96	1.10	0.55	1.25	-0.49
22	1.11	0.98	1.14	0.91	1.15	1.05	1.01	0.99	0.12	-0.36	-0.44	-0.43	-0.70	-0.55	-0.33	-0.13	0.85	0.84	1.54	1.68	2.10	1.48	1.49	1.21	0.70	2.10	-0.70
23	1.15	1.33	1.49	1.82	0.92	0.56	0.81	0.61	0.31	0.00	-0.17	-0.18	-0.30	-0.17	-0.11	-0.01	-0.03	0.21	0.48	0.27	0.04	0.01	0.23	0.19	0.39	1.82	-0.30
24	0.18	0.32	0.52	0.70	0.64	0.53	1.00	0.48	0.40	-0.07	-0.23	-0.33	-0.49	-0.51	-0.45	-0.07	1.03	0.93	1.15	0.90	1.04	0.71	0.48	0.33	0.38	1.15	-0.51
25	0.46	0.98	0.68	0.49	0.86	0.62	0.66	1.28	1.59	0.09	-0.31	-0.33	-0.13	-0.07	-0.03	0.19	0.59	1.08	1.29	0.78	1.18	1.64	1.49	1.81	0.70	1.81	-0.33
26	0.68	1.37	0.64	1.24	1.19	1.59	1.37	1.63	1.45	0.01	-0.40	-0.56	-0.59	-0.54	-0.07	0.29	0.60	0.54	0.49	0.29	0.24	1.47	2.14	0.76	0.66	2.14	-0.59
27	1.13	0.99	1.22	1.67	1.20	1.68	1.79	1.25	0.38	-0.35	-0.16	-0.09	-0.23	-0.20	-0.18	0.04	0.31	0.34	0.33	0.40	0.50	0.69	0.87	1.85	0.64	1.85	-0.35
28	0.81	0.52	0.96	0.56	0.79	0.93	0.40	0.15	0.58	0.02	-0.19	-0.43	-0.55	-0.38	-0.24	-0.09	0.17	0.17	0.04	0.11	0.11	0.04	0.05	0.29	0.20	0.96	-0.55
29	0.40	0.27	0.07	0.21	0.19	0.23	0.30	0.34	-0.10	-0.07	-0.15	-0.22	-0.19	-0.11	0.10	0.04	0.81	1.31	1.09	1.00	1.34	1.28	1.94	2.15	0.51	2.15	-0.22
30	1.73	1.95	2.04	1.94	1.57	2.00	2.22	2.24	1.40	0.62	0.07	-0.17	-0.34	-0.21	-0.07	-0.10	-0.07	-0.04	-0.01	0.00	0.05	0.37	0.46	0.63	0.76	2.24	-0.34
Avg	0.79	0.96	1.07	1.10	1.10	1.19	1.06	1.10	0.48	-0.09	-0.26	-0.36	-0.42	-0.34	-0.22	0.00	0.57	0.82	0.78	0.80	0.82	0.96	0.99	0.92	0.58	1.74	-0.47
Max	1.73	2.00	2.17	2.38	1.80	2.62	2.22	2.24	1.59	0.62	0.09	-0.03	0.03	0.05	0.18	0.55	1.31	1.77	2.05	2.46	2.31	1.87	2.14	2.15	0.94	2.62	-0.03
Min	0.08	0.06	0.07	0.14	0.19	0.22	0.10	0.07	-0.18	-0.46	-0.49	-0.63	-0.74	-0.65	-0.62	-0.39	-0.07	-0.04	-0.01	0.00	0.04	0.01	0.03	0.13	0.12	0.68	-0.74

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Temperature Delta T (degrees Celsius)
December 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0.94	1.05	0.82	1.28	1.72	1.21	0.45	0.34	-0.01	-0.03	-0.25	-0.40	-0.37	-0.31	-0.20	-0.09	-0.06	0.04	-0.01	0.10	0.26	0.07	0.11	-0.03	0.28	1.72	-0.40
2	-0.05	-0.06	-0.03	0.00	0.14	0.47	0.47	0.20	-0.02	-0.16	-0.10	-0.27	-0.14	-0.13	-0.02	0.34	0.82	1.96	1.42	1.01	0.57	0.14	-0.02	0.11	0.28	1.96	-0.27
3	0.09	0.06	0.20	0.16	0.31	0.15	0.30	0.17	0.06	0.09	0.00	-0.01	-0.01	0.23	0.20	0.17	0.25	0.76	0.56	0.57	0.97	0.32	0.23	0.13	0.25	0.97	-0.01
4	0.06	0.05	0.13	0.17	0.27	0.27	0.34	0.24	0.39	0.05	0.00	-0.08	-0.08	0.03	0.08	-0.03	-0.03	0.05	0.21	0.66	0.75	0.42	0.14	0.16	0.18	0.75	-0.08
5	0.38	0.72	1.60	1.60	0.75	0.95	0.59	0.72	0.96	0.28	0.08	-0.08	-0.29	-0.23	-0.30	0.16	0.59	0.63	0.78	0.98	0.80	0.70	1.57	1.10	0.63	1.60	-0.30
6	0.82	1.24	0.17	-0.13	-0.14	-0.14	-0.18	-0.15	-0.13	-0.18	-0.33	-0.42	-0.45	-0.43	-0.39	-0.28	-0.18	-0.17	-0.14	-0.12	-0.11	-0.10	-0.05	0.00	-0.08	1.24	-0.45
7	-0.02	0.03	-0.09	-0.16	-0.13	-0.15	-0.17	-0.17	-0.20	-0.21	-0.27	-0.26	-0.32	-0.33	-0.37	0.13	0.69	0.06	0.01	-0.09	-0.07	-0.10	-0.03	-0.04	-0.09	0.69	-0.37
8	0.08	-0.07	-0.07	0.08	0.12	0.11	0.17	0.08	0.17	-0.10	-0.15	-0.30	-0.31	-0.34	-0.20	0.00	0.19	0.20	0.30	1.48	0.68	0.32	-0.03	-0.15	0.09	1.48	-0.34
9	-0.13	-0.12	0.02	0.02	-0.18	-0.18	-0.18	-0.16	-0.16	-0.21	-0.28	-0.26	-0.22	0.04	0.16	0.09	0.21	-0.06	-0.06	-0.15	-0.15	-0.15	-0.14	-0.12	-0.10	0.21	-0.28
10	-0.12	-0.11	-0.01	0.20	0.26	0.29	0.78	0.51	0.35	0.23	0.05	-0.02	-0.17	-0.06	0.16	0.35	0.45	0.54	0.60	0.87	1.40	1.62	1.11	1.03	0.43	1.62	-0.17
11	1.04	1.28	0.17	0.06	0.35	0.39	0.61	0.99	0.60	0.30	0.13	-0.10	-0.14	0.00	0.03	0.19	0.51	1.15	0.62	0.89	0.90	0.54	0.27	0.02	0.45	1.28	-0.14
12	-0.02	0.06	-0.04	-0.07	-0.08	-0.13	-0.19	-0.18	-0.18	-0.20	-0.19	-0.40	-0.36	-0.39	-0.33	-0.10	-0.03	-0.02	0.86	1.53	1.61	2.18	1.45	2.08	0.29	2.18	-0.40
13	2.27	2.01	2.28	1.69	0.89	0.16	0.12	0.84	0.85	0.70	0.84	0.20	0.26	0.11	0.21	0.58	1.14	1.49	2.08	1.19	0.93	1.63	1.75	2.14	1.10	2.28	0.11
14	1.83	1.27	2.05	1.49	2.03	2.09	2.17	1.71	2.26	1.40	1.04	0.67	0.34	0.66	0.99	1.26	1.26	1.04	0.86	1.14	1.17	0.59	0.60	0.60	1.27	2.26	0.34
15	0.36	0.02	-0.13	-0.14	-0.15	-0.15	-0.15	-0.14	-0.14	-0.16	-0.19	-0.22	-0.22	-0.19	-0.20	-0.20	-0.17	-0.18	-0.18	-0.17	-0.17	-0.15	-0.15	-0.17	-0.14	0.36	-0.22
16	-0.18	-0.19	-0.18	-0.18	-0.17	-0.16	-0.14	-0.12	-0.12	-0.16	-0.18	-0.18	-0.15	-0.13	-0.11	0.05	0.05	-0.07	0.23	0.96	1.10	1.44	1.21	1.40	0.17	1.44	-0.19
17	0.97	1.61	1.23	1.74	1.21	2.03	1.77	1.60	1.34	1.32	0.79	0.59	2.06	-0.01	0.13	0.59	1.85	1.20	1.30	1.92	0.90	1.26	2.29	3.71	1.39	3.71	-0.01
18	1.14	0.45	0.60	0.68	1.52	1.74	1.64	1.01	0.64	0.85	0.37	-0.07	-0.13	-0.11	-0.04	0.07	0.25	0.50	0.55	0.73	0.48	0.74	1.75	2.85	0.76	2.85	-0.13
19	1.52	1.32	1.38	1.26	0.94	0.32	0.29	0.17	0.15	0.20	0.39	0.19	0.18	0.20	0.15	0.18	0.19	0.18	0.17	0.17	0.19	0.22	0.11	0.14	0.43	1.52	0.11
20	0.15	0.19	0.15	0.18	0.20	0.26	0.13	0.06	0.21	0.21	0.07	0.16	0.09	0.07	0.14	0.20	0.19	0.20	0.60	0.38	0.39	0.34	0.19	0.17	0.21	0.60	0.06
21	0.12	0.14	0.18	0.15	0.19	0.37	0.31	0.21	0.26	0.33	Au	Au	Au	Au	Au	0.28	0.82	1.78	1.46	2.05	1.53	2.16	1.70	2.04	0.85	2.16	0.12
22	1.54	1.59	1.03	1.50	1.61	2.40	2.01	1.57	1.41	1.19	0.89	0.61	0.41	0.56	0.70	0.77	1.23	1.31	2.01	1.56	2.21	1.60	1.42	1.87	1.37	2.40	0.41
23	1.74	2.51	2.14	2.13	1.35	0.99	2.46	1.99	1.74	1.51	0.21	0.19	0.86	0.17	0.18	0.31	0.70	0.82	0.74	0.37	0.38	0.39	0.23	0.21	1.01	2.51	0.17
24	0.14	0.08	0.35	0.78	1.00	1.85	2.03	2.22	1.72	1.13	0.86	1.19	-0.06	0.00	0.05	-0.11	-0.12	-0.15	-0.13	-0.14	-0.14	-0.09	-0.08	0.00	0.52	2.22	-0.15
25	0.08	-0.05	-0.04	-0.09	-0.01	-0.09	-0.13	-0.13	-0.13	-0.17	-0.17	-0.18	-0.21	-0.18	-0.05	-0.04	-0.17	-0.16	-0.18	-0.11	-0.11	-0.02	0.40	0.61	-0.06	0.61	-0.21
26	0.43	1.32	0.61	0.69	1.14	1.63	0.73	0.13	0.03	0.03	0.19	-0.01	-0.01	0.12	0.14	0.23	0.71	1.85	1.27	1.63	1.34	1.76	1.61	1.84	0.81	1.85	-0.01
27	1.73	1.13	0.88	0.92	1.63	1.75	0.99	0.10	0.13	0.17	0.15	0.00	-0.03	-0.07	0.06	0.10	0.03	0.23	0.25	0.25	0.38	0.22	0.21	0.34	0.48	1.75	-0.07
28	0.35	0.38	0.53	0.10	0.19	-0.01	0.19	0.16	-0.01	0.02	0.05	0.22	0.20	0.17	0.12	0.23	0.44	1.17	1.17	0.53	0.72	1.09	1.07	1.24	0.43	1.24	-0.01
29	2.96	1.63	1.13	1.18	0.75	0.37	0.27	0.14	0.12	0.28	0.78	0.05	0.03	0.05	0.03	0.31	0.63	1.49	1.48	1.29	1.47	1.29	0.67	1.45	0.83	2.96	0.03
30	0.83	0.70	1.38	1.65	0.45	0.42	0.30	0.18	0.14	0.06	0.07	-0.03	-0.09	-0.06	0.10	0.74	0.73	0.30	0.41	0.59	1.14	1.80	1.78	1.02	0.61	1.80	-0.09
31	0.41	0.85	1.18	0.72	0.59	0.77	0.39	0.29	0.36	0.25	0.09	0.29	0.20	0.17	0.19	0.33	0.93	1.36	0.87	1.07	2.37	1.84	1.34	1.21	0.75	2.37	0.09
Avg	0.69	0.68	0.63	0.63	0.60	0.64	0.59	0.47	0.41	0.29	0.16	0.04	0.03	-0.01	0.05	0.22	0.45	0.63	0.65	0.75	0.77	0.78	0.73	0.87	0.49	1.70	-0.09
Max	2.96	2.51	2.28	2.13	2.03	2.40	2.46	2.22	2.26	1.51	1.04	1.19	2.06	0.66	0.99	1.26	1.85	1.96	2.08	2.05	2.37	2.18	2.29	3.71	1.39	3.71	0.41
Min	-0.18	-0.19	-0.18	-0.18	-0.18	-0.18	-0.19	-0.18	-0.20	-0.21	-0.33	-0.42	-0.45	-0.43	-0.39	-0.28	-0.18	-0.18	-0.18	-0.17	-0.17	-0.15	-0.15	-0.17	-0.14	0.21	-0.45

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
October 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	19	110	69	104	281	569	515	446	130	97	23	16	0	0	0	0	0	0	99	569	0
2	0	0	0	0	0	0	4	110	326	449	469	485	241	297	139	145	94	12	0	0	0	0	0	0	115	485	0
3	0	0	0	0	0	0	2	20	45	117	211	301	299	192	126	111	38	3	0	0	0	0	0	0	61	301	0
4	0	0	0	0	0	0	2	41	98	170	257	297	252	324	379	335	278	54	0	0	0	0	0	0	104	379	0
5	0	0	0	0	0	0	9	57	126	161	226	370	407	279	179	182	91	24	0	0	0	0	0	0	88	407	0
6	0	0	0	0	0	0	2	40	62	165	267	223	293	407	262	223	78	12	0	0	0	0	0	0	85	407	0
7	0	0	0	0	0	0	7	177	266	349	329	295	103	69	48	59	35	10	0	0	0	0	0	0	73	349	0
8	0	0	0	0	0	0	0	25	68	231	294	387	307	328	243	222	163	37	0	0	0	0	0	0	96	387	0
9	0	0	0	0	0	0	6	94	243	475	585	328	260	443	379	148	61	12	0	0	0	0	0	0	126	585	0
10	0	0	0	0	0	0	1	24	170	148	159	629	424	580	485	283	78	7	0	0	0	0	0	0	125	629	0
11	0	0	0	0	0	0	2	52	130	281	441	617	474	376	319	329	161	10	0	0	0	0	0	0	133	617	0
12	0	0	0	0	0	0	3	38	139	432	570	634	629	584	481	339	174	22	0	0	0	0	0	0	169	634	0
13	0	0	0	0	0	0	6	74	248	268	291	231	305	336	426	223	134	12	0	0	0	0	0	0	106	426	0
14	0	0	0	0	0	0	0	8	27	82	100	72	57	65	84	58	25	4	0	0	0	0	0	0	24	100	0
15	0	0	0	0	0	0	2	84	228	205	247	181	157	210	122	124	41	1	0	0	0	0	0	0	67	247	0
16	0	0	0	0	0	0	5	47	43	79	146	447	311	511	358	234	126	14	0	0	0	0	0	0	97	511	0
17	0	0	0	0	0	0	0	18	63	66	145	251	297	143	128	152	79	19	0	0	0	0	0	0	57	297	0
18	0	0	0	0	0	0	3	48	185	100	242	467	472	302	198	110	60	3	0	0	0	0	0	0	91	472	0
19	0	0	0	0	0	0	0	16	52	204	281	464	249	446	327	234	68	9	0	0	0	0	0	0	98	464	0
20	0	0	0	0	0	0	1	91	226	412	470	553	430	192	242	137	24	1	0	0	0	0	0	0	116	553	0
21	0	0	0	0	0	0	1	30	120	160	239	300	216	202	239	193	68	7	0	0	0	0	0	0	74	300	0
22	0	0	0	0	0	0	0	5	69	132	457	492	559	485	354	164	64	3	0	0	0	0	0	0	116	559	0
23	0	0	0	0	0	0	2	53	239	387	504	484	562	417	394	158	51	2	0	0	0	0	0	0	136	562	0
24	0	0	0	0	0	0	0	34	154	266	408	385	431	255	195	83	71	7	0	0	0	0	0	0	95	431	0
25	0	0	0	0	0	0	0	24	153	396	354	439	452	321	372	222	28	2	0	0	0	0	0	0	115	452	0
26	0	0	0	0	0	0	1	17	47	82	91	121	209	246	150	72	28	1	0	0	0	0	0	0	44	246	0
27	0	0	0	0	0	0	0	27	111	259	297	351	251	198	185	83	30	0	0	0	0	0	0	0	75	351	0
28	0	0	0	0	0	0	0	8	36	119	133	239	261	372	206	140	36	1	0	0	0	0	0	0	65	372	0
29	0	0	0	0	0	0	0	13	96	170	446	284	245	139	125	116	35	1	0	0	0	0	0	0	70	446	0
30	0	0	0	0	0	0	0	36	145	230	325	469	384	278	163	86	19	0	0	0	0	0	0	0	89	469	0
31	0	0	0	0	0	0	0	9	25	42	54	65	67	46	45	47	30	1	0	0	0	0	0	0	18	67	0
Avg	0	0	0	0	0	0	3	46	129	217	301	369	326	306	241	165	74	10	0	0	0	0	0	0	91	422	0
Max	0	0	0	0	0	0	19	177	326	475	585	634	629	584	485	339	278	54	0	0	0	0	0	0	169	634	0
Min	0	0	0	0	0	0	0	5	25	42	54	65	57	46	45	47	19	0	0	0	0	0	0	0	18	67	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
November 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	0	10	59	234	310	367	489	421	267	249	24	1	0	0	0	0	0	0	101	489	0
2	0	0	0	0	0	0	0	41	209	374	470	433	319	256	362	74	30	1	0	0	0	0	0	0	107	470	0
3	0	0	0	0	0	0	0	32	67	206	439	441	290	349	338	215	62	0	0	0	0	0	0	0	102	441	0
4	0	0	0	0	0	0	0	35	156	311	370	520	543	449	251	202	66	1	0	0	0	0	0	0	121	543	0
5	0	0	0	0	0	0	0	27	183	321	428	486	491	439	339	207	55	1	0	0	0	0	0	0	124	491	0
6	0	0	0	0	0	0	0	13	66	308	326	478	421	144	104	114	40	1	0	0	0	0	0	0	84	478	0
7	0	0	0	0	0	0	0	19	168	299	408	465	458	400	266	106	32	0	0	0	0	0	0	0	109	465	0
8	0	0	0	0	0	0	0	16	157	209	280	461	438	379	342	191	57	1	0	0	0	0	0	0	105	461	0
9	0	0	0	0	0	0	0	17	159	295	400	451	458	410	312	184	41	0	0	0	0	0	0	0	114	458	0
10	0	0	0	0	0	0	0	16	176	295	393	452	456	408	310	182	39	0	0	0	0	0	0	0	114	456	0
11	0	0	0	0	0	0	0	13	154	298	396	453	455	406	307	179	37	0	0	0	0	0	0	0	112	455	0
12	0	0	0	0	0	0	0	13	161	281	380	436	440	378	201	69	17	0	0	0	0	0	0	0	99	440	0
13	0	0	0	0	0	0	0	11	143	278	380	440	446	395	290	177	21	0	0	0	0	0	0	0	108	446	0
14	0	0	0	0	0	0	0	8	67	178	347	103	360	186	126	124	10	0	0	0	0	0	0	0	63	360	0
15	0	0	0	0	0	0	0	2	21	65	257	138	62	73	50	36	5	0	0	0	0	0	0	0	30	257	0
16	0	0	0	0	0	0	0	13	191	193	188	97	216	258	150	104	17	0	0	0	0	0	0	0	59	258	0
17	0	0	0	0	0	0	0	3	37	69	202	112	64	160	243	197	45	0	0	0	0	0	0	0	47	243	0
18	0	0	0	0	0	0	0	5	70	117	280	434	410	373	250	90	15	0	0	0	0	0	0	0	85	434	0
19	0	0	0	0	0	0	0	3	58	187	186	432	387	209	116	24	6	0	0	0	0	0	0	0	67	432	0
20	0	0	0	0	0	0	0	4	49	114	166	248	175	161	127	42	4	0	0	0	0	0	0	0	45	248	0
21	0	0	0	0	0	0	0	5	52	99	254	330	367	256	170	110	18	0	0	0	0	0	0	0	69	367	0
22	0	0	0	0	0	0	0	3	96	244	276	305	483	308	230	146	19	0	0	0	0	0	0	0	88	483	0
23	0	0	0	0	0	0	0	4	41	78	102	110	179	119	59	22	7	0	0	0	0	0	0	0	30	179	0
24	0	0	0	0	0	0	0	2	62	186	325	389	405	356	263	123	8	0	0	0	0	0	0	0	88	405	0
25	0	0	0	0	0	0	0	2	49	150	294	270	172	148	125	54	8	0	0	0	0	0	0	0	53	294	0
26	0	0	0	0	0	0	0	3	90	222	325	376	393	350	170	71	9	0	0	0	0	0	0	0	84	393	0
27	0	0	0	0	0	0	0	4	110	250	158	152	213	179	190	91	20	0	0	0	0	0	0	0	57	250	0
28	0	0	0	0	0	0	0	2	41	172	134	260	281	158	94	40	6	0	0	0	0	0	0	0	50	281	0
29	0	0	0	0	0	0	0	0	33	107	173	423	418	357	152	168	11	0	0	0	0	0	0	0	77	423	0
30	0	0	0	0	0	0	0	2	60	229	331	384	376	181	55	29	3	0	0	0	0	0	0	0	69	384	0
Avg	0	0	0	0	0	0	0	11	100	212	299	348	356	289	209	121	24	0	0	0	0	0	0	0	82	393	0
Max	0	0	0	0	0	0	0	41	209	374	470	520	543	449	362	249	66	1	0	0	0	0	0	0	124	543	0
Min	0	0	0	0	0	0	0	0	21	65	102	97	62	73	50	22	3	0	0	0	0	0	0	0	30	179	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Solar Radiation (watts m^2)
December 2016

	<< Hour >>																										
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Avg	Max	Min
1	0	0	0	0	0	0	0	0	30	84	159	266	286	179	88	41	7	0	0	0	0	0	0	0	48	286	0
2	0	0	0	0	0	0	0	0	24	152	175	396	290	210	135	82	13	0	0	0	0	0	0	0	62	396	0
3	0	0	0	0	0	0	0	0	20	135	160	206	271	126	138	99	6	0	0	0	0	0	0	0	48	271	0
4	0	0	0	0	0	0	0	0	28	64	91	142	243	315	85	34	6	0	0	0	0	0	0	0	42	315	0
5	0	0	0	0	0	0	0	1	35	108	225	264	202	137	248	102	6	0	0	0	0	0	0	0	55	264	0
6	0	0	0	0	0	0	0	1	29	103	182	298	229	187	125	53	6	0	0	0	0	0	0	0	51	298	0
7	0	0	0	0	0	0	0	0	29	123	247	354	265	207	256	73	9	0	0	0	0	0	0	0	65	354	0
8	0	0	0	0	0	0	0	1	34	142	313	354	382	338	257	112	10	0	0	0	0	0	0	0	81	382	0
9	0	0	0	0	0	0	0	0	15	63	121	238	365	171	133	43	6	0	0	0	0	0	0	0	48	365	0
10	0	0	0	0	0	0	0	0	19	89	117	198	158	124	187	112	12	0	0	0	0	0	0	0	42	198	0
11	0	0	0	0	0	0	0	0	29	94	185	272	221	168	122	114	11	0	0	0	0	0	0	0	51	272	0
12	0	0	0	0	0	0	0	0	32	79	149	178	203	198	152	72	4	0	0	0	0	0	0	0	44	203	0
13	0	0	0	0	0	0	0	0	20	98	107	301	250	167	144	81	10	0	0	0	0	0	0	0	49	301	0
14	0	0	0	0	0	0	0	0	34	147	198	225	313	225	135	68	8	0	0	0	0	0	0	0	56	313	0
15	0	0	0	0	0	0	0	0	10	29	52	69	67	75	79	41	5	0	0	0	0	0	0	0	18	79	0
16	0	0	0	0	0	0	0	0	9	52	88	144	183	171	149	68	9	0	0	0	0	0	0	0	36	183	0
17	0	0	0	0	0	0	0	1	47	194	294	360	379	334	230	103	8	0	0	0	0	0	0	0	81	379	0
18	0	0	0	0	0	0	0	1	21	139	248	242	220	224	182	79	8	0	0	0	0	0	0	0	57	248	0
19	0	0	0	0	0	0	0	0	13	82	169	134	158	108	60	45	3	0	0	0	0	0	0	0	32	169	0
20	0	0	0	0	0	0	0	0	13	48	74	84	72	111	82	66	8	0	0	0	0	0	0	0	23	111	0
21	0	0	0	0	0	0	0	0	30	162	Au	Au	Au	Au	Au	128	14	0	0	0	0	0	0	0	18	162	0
22	0	0	0	0	0	0	0	0	37	187	294	350	382	360	262	100	17	0	0	0	0	0	0	0	83	382	0
23	0	0	0	0	0	0	0	0	26	102	260	379	280	92	68	41	9	0	0	0	0	0	0	0	52	379	0
24	0	0	0	0	0	0	0	0	16	69	106	96	123	80	47	29	7	0	0	0	0	0	0	0	24	123	0
25	0	0	0	0	0	0	0	0	11	46	82	138	198	247	216	75	7	0	0	0	0	0	0	0	43	247	0
26	0	0	0	0	0	0	0	0	18	152	175	335	389	326	256	129	16	0	0	0	0	0	0	0	75	389	0
27	0	0	0	0	0	0	0	0	18	84	153	153	130	164	147	65	9	0	0	0	0	0	0	0	38	164	0
28	0	0	0	0	0	0	0	0	19	105	181	250	344	197	338	96	21	0	0	0	0	0	0	0	65	344	0
29	0	0	0	0	0	0	0	0	16	79	135	157	141	151	194	131	22	0	0	0	0	0	0	0	43	194	0
30	0	0	0	0	0	0	0	0	7	31	44	104	103	91	76	51	6	0	0	0	0	0	0	0	21	104	0
31	0	0	0	0	0	0	0	0	34	172	281	354	376	344	264	145	22	0	0	0	0	0	0	0	83	376	0
Avg	0	0	0	0	0	0	0	0	23	104	169	235	241	194	162	80	10	0	0	0	0	0	0	0	50	266	0
Max	0	0	0	0	0	0	0	1	47	194	313	396	389	360	338	145	22	0	0	0	0	0	0	0	83	396	0
Min	0	0	0	0	0	0	0	0	7	29	44	69	67	75	47	29	3	0	0	0	0	0	0	0	18	79	0

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
October 2016

	<< 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	24.42	24.41	24.40	24.40	24.39	24.38	24.37	24.37	24.36	24.40	24.38	24.36	24.34	24.32	24.32	24.38	24.37	24.37	24.36	24.36	24.36	24.39	24.40	24.41	24.38	24.42	24.32
2	24.41	24.41	24.40	24.39	24.40	24.39	24.40	24.40	24.40	24.38	24.38	24.36	24.33	24.32	24.30	24.29	24.27	24.26	24.25	24.24	24.23	24.21	24.20	24.18	24.33	24.41	24.18
3	24.15	24.15	24.13	24.12	24.09	24.10	24.09	24.08	24.08	24.08	24.08	24.07	24.06	24.05	24.05	24.06	24.07	24.08	24.09	24.09	24.10	24.10	24.10	24.10	24.09	24.15	24.05
4	24.09	24.09	24.08	24.09	24.09	24.10	24.10	24.12	24.14	24.16	24.18	24.18	24.19	24.19	24.19	24.20	24.20	24.20	24.20	24.21	24.20	24.20	24.20	24.20	24.16	24.21	24.08
5	24.21	24.21	24.21	24.21	24.22	24.23	24.23	24.25	24.26	24.27	24.27	24.27	24.28	24.28	24.28	24.29	24.31	24.32	24.33	24.34	24.35	24.35	24.36	24.36	24.28	24.36	24.21
6	24.36	24.36	24.36	24.36	24.37	24.37	24.39	24.40	24.42	24.43	24.44	24.45	24.45	24.45	24.45	24.45	24.46	24.47	24.48	24.49	24.49	24.49	24.48	24.48	24.43	24.49	24.36
7	24.48	24.48	24.47	24.46	24.46	24.46	24.45	24.45	24.46	24.45	24.44	24.42	24.41	24.40	24.40	24.39	24.39	24.38	24.39	24.40	24.40	24.42	24.43	24.44	24.43	24.48	24.38
8	24.45	24.47	24.47	24.47	24.48	24.49	24.50	24.50	24.50	24.50	24.49	24.49	24.48	24.46	24.45	24.44	24.43	24.43	24.42	24.42	24.41	24.40	24.39	24.38	24.45	24.50	24.38
9	24.36	24.35	24.35	24.33	24.31	24.31	24.30	24.30	24.29	24.29	24.28	24.29	24.29	24.29	24.28	24.28	24.29	24.29	24.30	24.30	24.30	24.30	24.30	24.29	24.30	24.36	24.28
10	24.28	24.26	24.24	24.22	24.20	24.18	24.17	24.17	24.18	24.20	24.26	24.29	24.30	24.31	24.32	24.32	24.34	24.35	24.36	24.37	24.37	24.38	24.37	24.36	24.28	24.38	24.17
11	24.36	24.35	24.35	24.35	24.36	24.38	24.40	24.41	24.43	24.45	24.46	24.47	24.48	24.47	24.48	24.49	24.50	24.51	24.51	24.52	24.53	24.53	24.53	24.53	24.45	24.53	24.35
12	24.52	24.51	24.50	24.50	24.49	24.48	24.47	24.46	24.44	24.45	24.46	24.45	24.45	24.43	24.42	24.42	24.41	24.39	24.39	24.39	24.38	24.39	24.38	24.38	24.44	24.52	24.38
13	24.37	24.36	24.36	24.36	24.35	24.33	24.32	24.31	24.32	24.31	24.28	24.27	24.25	24.21	24.18	24.16	24.17	24.16	24.14	24.12	24.11	24.10	24.09	24.08	24.24	24.37	24.08
14	24.07	24.05	24.03	24.01	23.99	23.98	23.96	23.96	23.96	23.96	23.97	23.96	23.99	24.04	24.06	24.07	24.09	24.10	24.10	24.10	24.10	24.10	24.09	24.10	24.04	24.10	23.96
15	24.11	24.11	24.11	24.11	24.12	24.11	24.11	24.13	24.15	24.16	24.16	24.15	24.13	24.12	24.11	24.11	24.09	24.08	24.06	24.04	24.02	23.99	23.97	23.94	24.09	24.16	23.94
16	23.91	23.89	23.87	23.88	23.88	23.89	23.90	23.92	23.96	23.98	24.00	24.02	24.02	24.01	24.00	24.01	24.00	23.98	23.98	23.98	23.95	23.93	23.92	23.92	23.95	24.02	23.87
17	23.92	23.91	23.90	23.89	23.90	23.89	23.90	23.92	23.94	23.96	23.99	24.02	24.05	24.08	24.10	24.11	24.12	24.14	24.16	24.18	24.19	24.20	24.21	24.22	24.04	24.22	23.89
18	24.22	24.23	24.23	24.24	24.24	24.25	24.26	24.27	24.28	24.29	24.29	24.30	24.29	24.29	24.28	24.29	24.30	24.31	24.33	24.35	24.37	24.39	24.40	24.41	24.30	24.41	24.22
19	24.43	24.44	24.46	24.47	24.48	24.50	24.52	24.54	24.55	24.57	24.58	24.60	24.60	24.60	24.61	24.62	24.62	24.62	24.63	24.64	24.63	24.63	24.63	24.62	24.57	24.64	24.43
20	24.61	24.61	24.60	24.59	24.57	24.56	24.55	24.53	24.53	24.53	24.51	24.50	24.47	24.46	24.45	24.44	24.44	24.42	24.41	24.39	24.38	24.38	24.37	24.38	24.49	24.61	24.37
21	24.38	24.39	24.38	24.39	24.40	24.40	24.40	24.42	24.43	24.43	24.43	24.41	24.39	24.37	24.36	24.34	24.33	24.31	24.30	24.29	24.28	24.27	24.26	24.24	24.36	24.43	24.24
22	24.23	24.21	24.21	24.20	24.20	24.20	24.21	24.25	24.30	24.31	24.32	24.33	24.33	24.33	24.34	24.35	24.36	24.36	24.37	24.37	24.37	24.37	24.38	24.39	24.30	24.39	24.20
23	24.39	24.40	24.40	24.40	24.41	24.42	24.42	24.43	24.45	24.45	24.45	24.44	24.43	24.42	24.42	24.42	24.43	24.43	24.44	24.44	24.44	24.44	24.44	24.44	24.43	24.45	24.39
24	24.44	24.44	24.43	24.41	24.41	24.40	24.39	24.39	24.40	24.40	24.40	24.39	24.38	24.37	24.36	24.36	24.35	24.35	24.34	24.34	24.34	24.34	24.33	24.33	24.38	24.44	24.33
25	24.33	24.33	24.33	24.33	24.34	24.35	24.35	24.37	24.39	24.39	24.39	24.39	24.40	24.40	24.41	24.41	24.42	24.42	24.43	24.44	24.45	24.46	24.46	24.46	24.39	24.46	24.33
26	24.46	24.46	24.46	24.45	24.45	24.45	24.45	24.46	24.46	24.46	24.46	24.46	24.45	24.43	24.43	24.43	24.43	24.42	24.42	24.42	24.41	24.41	24.40	24.40	24.44	24.46	24.40
27	24.39	24.38	24.38	24.36	24.36	24.35	24.34	24.33	24.33	24.32	24.30	24.28	24.26	24.24	24.23	24.23	24.23	24.22	24.21	24.21	24.22	24.23	24.22	24.22	24.29	24.39	24.21
28	24.22	24.22	24.23	24.24	24.25	24.26	24.28	24.29	24.30	24.32	24.35	24.35	24.34	24.35	24.35	24.35	24.35	24.36	24.36	24.37	24.38	24.38	24.38	24.37	24.32	24.38	24.22
29	24.38	24.37	24.38	24.39	24.39	24.41	24.42	24.42	24.44	24.45	24.44	24.44	24.42	24.42	24.42	24.42	24.41	24.41	24.40	24.40	24.40	24.39	24.38	24.36	24.41	24.45	24.36
30	24.35	24.34	24.33	24.32	24.31	24.31	24.32	24.32	24.33	24.32	24.30	24.27	24.25	24.22	24.19	24.17	24.15	24.12	24.09	24.06	24.03	24.00	23.99	23.98	24.21	24.35	23.98
31	23.97	23.97	23.96	23.96	23.98	24.00	24.03	24.03	24.03	24.04	24.05	24.07	24.07	24.09	24.10	24.12	24.14	24.15	24.16	24.16	24.17	24.17	24.16	24.17	24.07	24.17	23.96
Avg	24.30	24.30	24.29	24.29	24.29	24.29	24.29	24.30	24.31	24.31	24.32	24.31	24.31	24.30	24.30	24.30	24.31	24.30	24.30	24.30	24.30	24.30	24.30	24.29	24.30	24.38	24.21
Max	24.61	24.61	24.60	24.59	24.57	24.56	24.55	24.54	24.55	24.57	24.58	24.60	24.60	24.60	24.61	24.62	24.62	24.62	24.63	24.64	24.63	24.63	24.63	24.62	24.57	24.64	24.43
Min	23.91	23.89	23.87	23.88	23.88	23.89	23.90	23.92	23.94	23.96	23.97	23.96	23.99	24.01	24.00	24.01	24.00	23.98	23.98	23.98	23.95	23.93	23.92	23.92	23.95	24.02	23.87

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
November 2016

	<< 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	24.16	24.16	24.17	24.17	24.17	24.17	24.16	24.19	24.22	24.25	24.27	24.27	24.27	24.27	24.28	24.30	24.31	24.32	24.33	24.34	24.36	24.39	24.42	24.43	24.27	24.43	24.16
2	24.44	24.45	24.44	24.44	24.45	24.46	24.48	24.50	24.53	24.55	24.55	24.55	24.55	24.55	24.55	24.55	24.55	24.55	24.55	24.56	24.57	24.59	24.60	24.61	24.53	24.61	24.44
3	24.62	24.62	24.62	24.62	24.62	24.63	24.64	24.65	24.67	24.69	24.70	24.71	24.71	24.70	24.70	24.69	24.68	24.67	24.67	24.67	24.67	24.66	24.65	24.64	24.66	24.71	24.62
4	24.63	24.63	24.62	24.62	24.62	24.61	24.61	24.60	24.61	24.62	24.61	24.60	24.58	24.56	24.55	24.55	24.55	24.54	24.55	24.56	24.56	24.56	24.55	24.55	24.58	24.63	24.54
5	24.54	24.54	24.54	24.53	24.52	24.52	24.51	24.51	24.51	24.50	24.48	24.45	24.42	24.40	24.39	24.38	24.37	24.36	24.35	24.34	24.33	24.32	24.31	24.30	24.43	24.54	24.30
6	24.29	24.28	24.27	24.27	24.27	24.26	24.26	24.26	24.27	24.29	24.29	24.29	24.28	24.29	24.31	24.33	24.36	24.38	24.40	24.42	24.43	24.43	24.46	24.47	24.33	24.47	24.26
7	24.49	24.50	24.52	24.53	24.54	24.56	24.57	24.58	24.60	24.62	24.63	24.64	24.63	24.62	24.61	24.63	24.65	24.65	24.66	24.67	24.66	24.67	24.68	24.68	24.61	24.68	24.49
8	24.68	24.67	24.67	24.67	24.67	24.67	24.67	24.67	24.68	24.69	24.69	24.68	24.66	24.64	24.63	24.63	24.63	24.63	24.62	24.62	24.62	24.61	24.61	24.60	24.65	24.69	24.60
9	24.59	24.58	24.58	24.57	24.56	24.56	24.55	24.56	24.58	24.59	24.57	24.56	24.55	24.54	24.53	24.53	24.54	24.54	24.55	24.56	24.57	24.58	24.59	24.60	24.56	24.60	24.53
10	24.61	24.63	24.64	24.65	24.66	24.68	24.68	24.69	24.71	24.72	24.72	24.70	24.69	24.68	24.67	24.66	24.66	24.65	24.65	24.65	24.65	24.64	24.63	24.62	24.66	24.72	24.61
11	24.61	24.60	24.60	24.58	24.57	24.56	24.55	24.55	24.55	24.56	24.55	24.53	24.50	24.48	24.47	24.46	24.47	24.46	24.46	24.46	24.45	24.44	24.44	24.43	24.51	24.61	24.43
12	24.42	24.41	24.40	24.40	24.39	24.38	24.38	24.38	24.39	24.39	24.38	24.36	24.33	24.32	24.31	24.32	24.32	24.32	24.33	24.32	24.32	24.34	24.37	24.38	24.36	24.42	24.31
13	24.40	24.40	24.41	24.41	24.41	24.41	24.43	24.44	24.47	24.48	24.47	24.46	24.44	24.44	24.45	24.44	24.42	24.40	24.41	24.39	24.37	24.36	24.35	24.35	24.42	24.48	24.35
14	24.37	24.36	24.36	24.35	24.36	24.36	24.34	24.33	24.33	24.31	24.31	24.31	24.29	24.28	24.27	24.27	24.29	24.29	24.31	24.32	24.34	24.34	24.35	24.36	24.32	24.37	24.27
15	24.36	24.34	24.33	24.32	24.32	24.30	24.29	24.27	24.25	24.25	24.24	24.21	24.21	24.20	24.16	24.14	24.13	24.12	24.09	24.07	24.07	24.07	24.09	24.10	24.21	24.36	24.07
16	24.11	24.10	24.10	24.10	24.09	24.10	24.09	24.09	24.10	24.10	24.10	24.10	24.10	24.09	24.09	24.09	24.11	24.12	24.14	24.15	24.15	24.16	24.17	24.18	24.11	24.18	24.09
17	24.18	24.18	24.19	24.20	24.21	24.22	24.23	24.26	24.27	24.29	24.31	24.32	24.33	24.33	24.36	24.38	24.39	24.42	24.44	24.46	24.47	24.48	24.49	24.50	24.33	24.50	24.18
18	24.50	24.51	24.52	24.52	24.53	24.54	24.54	24.55	24.55	24.54	24.55	24.54	24.52	24.51	24.49	24.49	24.47	24.46	24.46	24.46	24.45	24.44	24.42	24.39	24.50	24.55	24.39
19	24.38	24.36	24.34	24.33	24.32	24.31	24.30	24.30	24.29	24.29	24.29	24.28	24.26	24.25	24.24	24.24	24.24	24.24	24.25	24.26	24.25	24.24	24.25	24.27	24.28	24.38	24.24
20	24.26	24.26	24.26	24.26	24.26	24.26	24.27	24.27	24.28	24.29	24.29	24.28	24.26	24.25	24.23	24.23	24.22	24.21	24.20	24.18	24.17	24.16	24.15	24.14	24.23	24.29	24.14
21	24.12	24.12	24.13	24.12	24.12	24.13	24.15	24.15	24.16	24.16	24.18	24.17	24.16	24.15	24.14	24.15	24.16	24.17	24.18	24.20	24.21	24.22	24.24	24.26	24.16	24.26	24.12
22	24.27	24.28	24.30	24.31	24.33	24.34	24.37	24.38	24.38	24.40	24.41	24.40	24.39	24.38	24.38	24.38	24.38	24.37	24.37	24.37	24.36	24.36	24.35	24.34	24.36	24.41	24.27
23	24.33	24.31	24.30	24.27	24.26	24.24	24.23	24.23	24.23	24.23	24.23	24.22	24.20	24.19	24.18	24.19	24.19	24.19	24.20	24.22	24.24	24.26	24.29	24.32	24.24	24.33	24.18
24	24.34	24.36	24.38	24.40	24.42	24.43	24.44	24.45	24.46	24.47	24.48	24.47	24.45	24.44	24.43	24.43	24.42	24.42	24.42	24.41	24.41	24.40	24.40	24.40	24.42	24.48	24.34
25	24.39	24.38	24.37	24.36	24.35	24.34	24.33	24.32	24.32	24.33	24.33	24.32	24.30	24.29	24.28	24.29	24.29	24.31	24.31	24.32	24.32	24.32	24.32	24.32	24.33	24.39	24.28
26	24.32	24.31	24.31	24.30	24.30	24.28	24.28	24.27	24.26	24.26	24.25	24.22	24.19	24.16	24.13	24.12	24.09	24.07	24.04	24.02	24.00	23.97	23.96	23.93	24.17	24.32	23.93
27	23.91	23.88	23.85	23.84	23.82	23.81	23.81	23.82	23.82	23.82	23.82	23.81	23.81	23.81	23.82	23.83	23.84	23.85	23.85	23.84	23.83	23.82	23.81	23.81	23.83	23.91	23.81
28	23.79	23.77	23.76	23.76	23.76	23.77	23.78	23.79	23.80	23.81	23.82	23.83	23.84	23.86	23.87	23.90	23.92	23.95	23.97	23.98	24.01	24.02	24.04	24.06	23.87	24.06	23.76
29	24.08	24.09	24.11	24.12	24.13	24.15	24.18	24.19	24.20	24.23	24.25	24.26	24.26	24.27	24.27	24.28	24.29	24.31	24.32	24.32	24.31	24.31	24.30	24.29	24.23	24.32	24.08
30	24.28	24.27	24.26	24.25	24.23	24.22	24.21	24.20	24.20	24.20	24.19	24.19	24.18	24.15	24.15	24.15	24.15	24.16	24.16	24.16	24.16	24.16	24.17	24.18	24.19	24.28	24.15
Avg	24.35	24.34	24.34	24.34	24.34	24.34	24.34	24.35	24.36	24.36	24.37	24.36	24.35	24.34	24.33	24.33	24.34	24.34	24.34	24.34	24.34	24.34	24.35	24.35	24.35	24.43	24.26
Max	24.68	24.67	24.67	24.67	24.67	24.68	24.68	24.69	24.71	24.72	24.72	24.71	24.71	24.70	24.70	24.69	24.68	24.67	24.67	24.67	24.67	24.67	24.68	24.68	24.66	24.72	24.62
Min	23.79	23.77	23.76	23.76	23.76	23.77	23.78	23.79	23.80	23.81	23.82	23.81	23.81	23.81	23.82	23.83	23.84	23.85	23.85	23.84	23.83	23.82	23.81	23.81	23.83	23.91	23.76

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Barometric Pressure (InHg)
December 2016

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	24.19	24.20	24.21	24.21	24.20	24.20	24.20	24.20	24.21	24.21	24.23	24.23	24.22	24.22	24.22	24.23	24.25	24.26	24.27	24.28	24.30	24.31	24.32	24.33	24.24	24.33	24.19
2	24.35	24.36	24.37	24.38	24.38	24.39	24.40	24.40	24.41	24.42	24.42	24.41	24.38	24.36	24.34	24.33	24.32	24.31	24.31	24.30	24.29	24.27	24.25	24.22	24.35	24.42	24.22
3	24.21	24.20	24.20	24.20	24.19	24.19	24.19	24.18	24.20	24.20	24.21	24.21	24.21	24.22	24.21	24.22	24.24	24.24	24.23	24.23	24.22	24.22	24.22	24.21	24.21	24.24	24.18
4	24.21	24.20	24.18	24.15	24.13	24.11	24.09	24.07	24.05	24.03	24.01	23.98	23.94	23.90	23.88	23.87	23.87	23.88	23.88	23.90	23.90	23.92	23.94	23.95	24.00	24.21	23.87
5	23.95	23.99	24.02	24.02	24.04	24.07	24.09	24.11	24.14	24.16	24.17	24.17	24.18	24.18	24.19	24.20	24.20	24.20	24.20	24.21	24.22	24.22	24.22	24.22	24.14	24.22	23.95
6	24.21	24.21	24.21	24.22	24.21	24.21	24.21	24.21	24.21	24.22	24.23	24.21	24.20	24.20	24.20	24.21	24.23	24.25	24.27	24.29	24.30	24.30	24.32	24.33	24.24	24.33	24.20
7	24.35	24.36	24.39	24.40	24.41	24.43	24.44	24.45	24.48	24.50	24.52	24.51	24.51	24.52	24.52	24.53	24.53	24.54	24.55	24.56	24.56	24.56	24.56	24.55	24.49	24.56	24.35
8	24.54	24.54	24.54	24.53	24.52	24.51	24.51	24.51	24.50	24.51	24.49	24.47	24.44	24.42	24.41	24.40	24.39	24.38	24.38	24.36	24.34	24.34	24.34	24.34	24.45	24.54	24.34
9	24.33	24.34	24.34	24.35	24.34	24.33	24.33	24.34	24.34	24.35	24.35	24.34	24.31	24.29	24.28	24.28	24.27	24.26	24.25	24.23	24.22	24.20	24.20	24.18	24.29	24.35	24.18
10	24.16	24.15	24.13	24.10	24.08	24.06	24.03	24.01	23.99	23.97	23.96	23.94	23.94	23.93	23.95	23.98	24.00	24.02	24.03	24.04	24.05	24.07	24.08	24.10	24.03	24.16	23.93
11	24.11	24.12	24.13	24.14	24.14	24.14	24.14	24.13	24.14	24.14	24.13	24.11	24.09	24.08	24.07	24.07	24.07	24.07	24.06	24.05	24.04	24.02	24.02	24.01	24.09	24.14	24.01
12	24.02	24.04	24.05	24.05	24.05	24.06	24.08	24.10	24.12	24.15	24.16	24.17	24.17	24.16	24.17	24.19	24.21	24.21	24.22	24.23	24.23	24.23	24.23	24.23	24.15	24.23	24.02
13	24.24	24.24	24.24	24.23	24.22	24.22	24.22	24.21	24.21	24.22	24.23	24.21	24.20	24.20	24.20	24.22	24.24	24.25	24.26	24.28	24.30	24.32	24.33	24.35	24.24	24.35	24.20
14	24.36	24.35	24.37	24.36	24.36	24.36	24.36	24.36	24.37	24.40	24.40	24.39	24.37	24.33	24.32	24.31	24.30	24.29	24.26	24.25	24.23	24.20	24.18	24.16	24.32	24.40	24.16
15	24.13	24.11	24.09	24.07	24.05	24.02	24.01	24.01	24.02	24.02	24.02	24.02	24.01	24.01	24.02	24.04	24.04	24.06	24.06	24.07	24.07	24.06	24.06	24.06	24.05	24.13	24.01
16	24.04	24.03	24.03	24.01	23.99	23.98	23.97	23.98	23.99	24.00	24.02	24.02	24.01	24.02	24.04	24.05	24.07	24.08	24.10	24.11	24.11	24.11	24.10	24.11	24.04	24.11	23.97
17	24.10	24.09	24.10	24.11	24.11	24.11	24.11	24.12	24.13	24.17	24.20	24.20	24.18	24.17	24.18	24.19	24.20	24.19	24.19	24.19	24.20	24.19	24.20	24.23	24.16	24.23	24.09
18	24.26	24.28	24.29	24.31	24.32	24.33	24.32	24.33	24.35	24.37	24.38	24.38	24.37	24.37	24.38	24.39	24.39	24.41	24.41	24.42	24.43	24.42	24.42	24.41	24.36	24.43	24.26
19	24.39	24.37	24.37	24.37	24.32	24.27	24.27	24.27	24.24	24.21	24.20	24.20	24.19	24.18	24.19	24.17	24.20	24.23	24.24	24.28	24.30	24.32	24.32	24.33	24.27	24.39	24.17
20	24.34	24.35	24.35	24.33	24.31	24.29	24.27	24.24	24.23	24.23	24.24	24.22	24.20	24.16	24.13	24.10	24.08	24.11	24.15	24.18	24.20	24.24	24.27	24.30	24.23	24.35	24.08
21	24.32	24.35	24.38	24.40	24.42	24.45	24.47	24.48	24.49	24.50	Au	Au	Au	Au	Au	24.49	24.49	24.50	24.51	24.51	24.50	24.50	24.49	24.49	24.46	24.51	24.32
22	24.48	24.47	24.46	24.45	24.44	24.41	24.39	24.37	24.37	24.36	24.32	24.29	24.26	24.22	24.19	24.16	24.14	24.14	24.13	24.12	24.10	24.10	24.11	24.11	24.27	24.48	24.10
23	24.11	24.11	24.11	24.11	24.10	24.09	24.10	24.09	24.09	24.09	24.08	24.06	24.03	24.01	24.01	24.01	24.01	24.00	23.99	24.00	24.00	24.00	24.00	24.02	24.05	24.11	23.99
24	24.01	23.99	24.00	24.01	24.00	24.00	24.00	23.99	24.00	24.00	23.99	23.96	23.95	23.92	23.91	23.93	23.94	23.96	23.96	23.97	23.97	23.98	23.99	23.99	23.98	24.01	23.91
25	24.00	24.00	24.01	24.03	24.03	24.04	24.06	24.06	24.06	24.08	24.10	24.11	24.10	24.09	24.10	24.13	24.15	24.16	24.16	24.16	24.16	24.17	24.18	24.19	24.10	24.19	24.00
26	24.20	24.21	24.23	24.24	24.24	24.25	24.26	24.26	24.27	24.27	24.29	24.29	24.29	24.29	24.29	24.31	24.32	24.33	24.35	24.35	24.34	24.33	24.33	24.32	24.29	24.35	24.20
27	24.29	24.28	24.28	24.25	24.22	24.18	24.18	24.16	24.15	24.13	24.13	24.12	24.09	24.07	24.04	24.05	24.06	24.07	24.06	24.06	24.07	24.10	24.12	24.14	24.14	24.29	24.04
28	24.14	24.15	24.16	24.16	24.17	24.18	24.19	24.21	24.23	24.26	24.27	24.29	24.31	24.33	24.36	24.38	24.41	24.44	24.46	24.47	24.49	24.52	24.54	24.57	24.32	24.57	24.14
29	24.59	24.59	24.60	24.59	24.59	24.57	24.57	24.55	24.54	24.52	24.51	24.48	24.45	24.41	24.39	24.37	24.35	24.31	24.29	24.27	24.25	24.24	24.22	24.19	24.44	24.60	24.19
30	24.16	24.13	24.11	24.10	24.07	24.06	24.09	24.09	24.09	24.11	24.12	24.11	24.11	24.09	24.09	24.10	24.12	24.13	24.13	24.14	24.14	24.13	24.13	24.12	24.11	24.16	24.06
31	24.11	24.10	24.10	24.10	24.09	24.09	24.08	24.08	24.07	24.06	24.06	24.05	24.03	24.02	24.02	24.00	23.98	23.98	23.98	23.98	23.97	23.96	23.95	23.95	24.03	24.11	23.95
Avg	24.22	24.22	24.23	24.23	24.22	24.21	24.21	24.21	24.22	24.22	24.21	24.20	24.19	24.18	24.18	24.19	24.20	24.20	24.20	24.21	24.21	24.21	24.21	24.22	24.21	24.31	24.11
Max	24.59	24.59	24.60	24.59	24.59	24.57	24.57	24.55	24.54	24.52	24.52	24.51	24.51	24.52	24.52	24.53	24.53	24.54	24.55	24.56	24.56	24.56	24.56	24.57	24.49	24.60	24.35
Min	23.95	23.99	24.00	24.01	23.99	23.98	23.97	23.98	23.99	23.97	23.96	23.94	23.94	23.90	23.88	23.87	23.87	23.88	23.88	23.90	23.90	23.92	23.94	23.95	23.98	24.01	23.87

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
October 2016

	<< 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	87.5	88.7	90.4	89.7	92.9	88.4	86.2	80.1	83.3	67.5	65.0	50.7	46.0	43.5	56.2	88.5	88.7	90.8	89.3	93.2	94.4	95.1	94.4	94.5	81.0	95.1	43.5
2	94.7	95.2	95.4	95.5	95.6	95.5	95.7	95.9	91.8	73.0	60.9	55.6	52.7	52.6	62.8	71.0	68.8	72.7	76.3	83.9	87.7	90.5	91.7	92.8	81.2	95.9	52.6
3	94.5	95.3	95.5	95.2	95.6	93.5	90.2	87.4	84.6	86.3	80.4	76.7	81.6	85.0	82.0	83.5	83.0	84.3	86.1	86.3	87.0	84.4	86.4	86.5	87.1	95.6	76.7
4	85.8	84.4	88.3	84.3	81.7	84.7	84.4	86.8	86.7	86.3	87.9	87.2	85.4	83.8	76.8	71.2	66.8	72.4	75.1	85.3	88.7	89.4	89.5	90.2	83.5	90.2	66.8
5	89.4	86.6	88.7	92.2	92.6	91.8	87.4	82.1	78.8	81.1	83.7	82.1	80.0	79.9	78.1	75.6	73.9	76.2	79.2	81.3	81.8	83.7	86.1	87.9	83.3	92.6	73.9
6	89.7	88.7	88.0	87.2	87.7	87.6	87.3	86.8	84.3	81.9	75.4	74.1	72.2	70.0	64.7	64.9	70.0	75.8	80.2	86.4	90.6	91.5	92.9	92.5	82.1	92.9	64.7
7	92.7	92.6	93.0	93.1	92.7	92.0	92.3	89.5	76.6	65.0	62.0	58.0	56.8	59.4	61.2	57.7	60.3	64.2	70.1	74.4	83.7	86.3	89.3	89.2	77.2	93.1	56.8
8	89.8	89.8	89.4	89.6	90.1	91.0	92.3	91.2	89.8	82.9	70.2	63.2	53.3	49.1	46.9	44.4	42.3	46.4	58.4	66.0	62.2	67.0	70.8	71.2	71.1	92.3	42.3
9	68.3	71.3	59.9	60.9	53.8	51.4	50.3	45.3	41.0	36.0	32.7	33.1	34.7	33.3	33.3	36.4	39.3	46.2	58.0	67.4	73.3	76.0	75.1	82.6	52.5	82.6	32.7
10	84.8	82.0	83.7	87.7	88.7	88.5	88.2	86.7	87.8	81.6	79.7	71.4	66.9	57.8	60.6	68.6	81.6	81.4	77.6	81.4	88.3	90.0	91.0	91.0	81.1	91.0	57.8
11	90.6	90.4	90.2	89.8	88.1	87.3	88.2	85.9	82.8	76.9	74.5	78.6	81.8	82.8	79.5	74.8	75.7	82.3	86.6	87.8	86.6	84.9	83.7	82.6	83.8	90.6	74.5
12	81.7	81.7	81.1	81.1	81.1	80.3	80.4	83.0	80.4	70.8	62.0	48.9	41.2	38.5	36.6	35.5	35.5	72.5	82.1	84.8	85.4	88.4	88.5	88.6	70.4	88.6	35.5
13	89.6	89.3	88.6	88.1	88.2	88.7	88.5	86.8	82.1	76.5	58.1	40.9	37.3	37.6	34.9	36.0	36.7	41.6	45.6	48.3	45.7	42.9	42.2	43.0	60.7	89.6	34.9
14	45.7	48.7	52.2	53.6	49.1	47.2	42.6	40.7	41.3	40.9	46.5	42.3	64.8	82.4	80.8	78.8	79.1	76.5	83.0	87.6	90.3	89.9	84.5	72.3	63.4	90.3	40.7
15	76.3	85.4	80.1	81.0	84.3	84.0	84.6	80.7	66.2	60.7	53.1	51.4	48.4	44.7	41.0	42.8	50.3	58.1	64.2	65.3	66.5	67.6	60.1	62.6	65.0	85.4	41.0
16	65.6	63.6	73.3	86.8	89.7	91.6	81.8	74.5	85.9	84.0	79.2	67.3	67.8	54.9	50.5	46.1	44.0	61.7	76.2	80.6	83.5	86.5	87.4	88.6	73.8	91.6	44.0
17	88.8	88.8	88.7	84.9	85.4	85.0	87.2	86.5	87.3	87.0	89.3	85.7	73.2	71.9	70.4	66.6	70.4	89.5	91.7	88.6	90.8	91.7	91.3	82.3	84.3	91.7	66.6
18	82.9	80.8	82.3	75.7	73.7	70.9	75.9	81.8	69.2	64.4	60.3	56.1	52.9	49.5	49.0	46.3	49.4	55.4	67.5	76.8	82.9	90.7	90.9	87.4	69.7	90.9	46.3
19	85.1	84.9	83.8	85.7	81.1	80.2	81.8	83.0	81.6	78.2	74.3	70.4	65.6	61.1	59.5	60.0	61.3	61.8	66.5	77.3	82.5	86.3	88.2	88.8	76.2	88.8	59.5
20	88.5	88.1	88.1	87.8	88.1	87.9	87.0	85.3	72.9	51.5	42.5	37.7	36.1	39.6	39.8	40.3	43.2	46.3	49.1	51.8	55.8	63.2	59.1	50.9	61.7	88.5	36.1
21	49.6	54.0	63.2	67.7	69.6	71.5	77.6	79.8	71.9	63.3	57.6	53.3	52.1	49.7	47.9	47.2	50.4	62.7	74.0	77.1	79.4	80.5	83.1	84.1	65.3	84.1	47.2
22	85.6	84.2	82.7	84.5	77.0	62.7	62.4	77.1	89.6	86.2	71.5	60.1	52.5	50.8	45.8	45.7	47.4	58.8	72.0	77.0	77.4	79.7	80.2	82.3	70.6	89.6	45.7
23	66.9	68.5	64.5	63.9	64.0	63.4	64.8	65.2	57.7	49.2	43.7	39.0	35.6	31.8	31.5	33.4	39.6	51.0	55.5	56.7	70.2	73.9	81.6	83.0	56.4	83.0	31.5
24	84.3	84.5	85.3	86.9	87.9	89.4	87.8	87.1	83.2	69.3	40.7	29.5	33.5	35.5	39.0	44.9	52.1	61.3	75.4	82.2	82.6	81.2	80.0	81.0	69.4	89.4	29.5
25	85.2	86.6	89.3	88.2	86.0	90.5	90.7	91.4	85.9	73.3	55.9	49.7	47.6	47.4	45.7	46.8	54.1	65.7	72.2	79.9	83.3	83.7	88.6	90.5	74.1	91.4	45.7
26	91.4	91.1	91.7	91.7	90.5	90.0	90.8	91.8	91.3	88.5	81.2	68.6	59.7	51.2	49.6	49.5	55.7	69.4	71.6	69.4	68.3	66.6	72.7	78.4	75.9	91.8	49.5
27	78.2	79.4	81.2	85.0	86.3	86.8	86.3	86.9	87.0	60.8	39.8	35.9	36.7	37.3	37.6	38.9	40.3	38.2	41.5	41.7	42.7	42.2	40.1	48.8	57.5	87.0	35.9
28	54.1	50.1	49.5	58.9	65.2	77.5	86.3	91.2	91.6	81.0	78.2	70.8	60.8	51.2	44.4	39.9	49.7	59.5	69.2	75.7	79.3	82.9	82.7	82.5	68.0	91.6	39.9
29	82.4	82.9	84.9	85.8	88.4	89.7	89.5	88.2	84.8	80.5	72.3	77.3	74.3	75.3	74.8	72.8	75.4	81.4	84.5	86.1	89.9	92.3	93.4	93.3	83.3	93.4	72.3
30	93.6	92.6	92.8	92.5	92.5	92.4	92.1	91.6	84.6	82.8	73.3	42.4	39.9	44.2	48.1	50.0	55.6	62.8	57.7	71.7	88.4	91.3	87.0	89.2	75.4	93.6	39.9
31	88.7	92.0	91.8	85.9	80.3	75.6	78.0	76.0	70.2	66.3	62.1	60.1	58.1	55.3	54.6	55.5	55.9	56.6	56.3	59.4	64.5	55.8	52.7	49.9	66.7	92.0	49.9
Avg	81.7	82.0	82.5	83.3	82.8	82.5	82.5	82.1	79.1	72.1	65.0	58.6	56.4	55.1	54.3	55.3	58.0	65.3	70.7	75.2	78.5	79.9	80.2	80.3	72.6	90.5	49.5
Max	94.7	95.3	95.5	95.5	95.6	95.5	95.7	95.9	91.8	88.5	89.3	87.2	85.4	85.0	82.0	88.5	88.7	90.8	91.7	93.2	94.4	95.1	94.4	94.5	87.1	95.9	76.7
Min	45.7	48.7	49.5	53.6	49.1	47.2	42.6	40.7	41.0	36.0	32.7	29.5	33.5	31.8	31.5	33.4	35.5	38.2	41.5	41.7	42.7	42.2	40.1	43.0	52.5	82.6	29.5

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
November 2016

	<< 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	49.7	51.7	54.0	56.4	64.4	70.3	78.5	79.2	78.0	67.9	48.1	47.4	46.5	43.6	44.1	44.1	52.2	62.8	71.1	75.1	82.2	82.3	80.5	65.7	62.3	82.3	43.6
2	69.6	68.5	78.1	79.0	81.4	84.4	86.2	85.9	77.0	58.7	45.1	42.5	43.5	44.6	38.8	45.5	51.2	61.4	69.4	74.8	73.7	75.9	78.0	80.5	66.4	86.2	38.8
3	82.7	82.5	78.1	76.8	75.6	78.6	80.3	82.1	79.4	72.0	50.5	28.4	25.2	23.4	21.5	21.7	32.3	49.1	54.8	59.0	61.3	73.4	75.0	76.6	60.0	82.7	21.5
4	76.8	80.3	79.7	81.0	82.9	83.5	84.5	82.5	75.0	65.0	51.4	23.4	19.5	17.2	20.2	19.0	30.2	42.4	53.0	57.0	60.0	71.0	73.5	77.7	58.6	84.5	17.2
5	76.6	77.6	78.6	78.5	79.4	80.4	81.5	80.0	70.1	53.9	32.7	21.8	20.5	19.9	20.5	22.6	32.3	47.3	54.6	60.7	63.8	68.1	73.6	71.9	57.0	81.5	19.9
6	70.6	73.8	78.6	80.6	78.0	77.0	75.6	74.8	74.7	62.5	37.3	31.3	30.9	34.5	37.2	41.7	45.6	52.3	55.0	54.0	58.7	64.4	70.6	76.9	59.9	80.6	30.9
7	81.7	84.2	84.6	86.2	86.6	86.4	86.9	86.8	78.1	73.0	53.1	44.1	42.2	41.5	39.9	42.7	49.4	65.3	72.7	77.9	81.5	85.0	86.4	87.9	71.0	87.9	39.9
8	88.3	89.0	89.3	91.0	90.2	89.6	89.3	89.9	85.8	78.5	67.3	40.8	25.8	24.2	25.1	25.3	31.0	44.2	57.9	60.7	64.0	73.0	75.1	74.7	65.4	91.0	24.2
9	77.6	80.2	82.9	84.2	86.8	87.6	87.5	87.4	79.3	68.2	47.7	34.1	30.3	30.2	30.1	31.7	36.4	55.2	66.4	74.2	78.6	82.9	85.1	86.7	66.3	87.6	30.1
10	88.5	87.9	89.4	88.9	90.2	90.0	90.1	90.3	85.4	75.3	61.2	38.6	38.3	37.7	38.2	43.2	52.0	62.2	64.8	66.0	69.3	74.0	76.3	78.9	69.9	90.3	37.7
11	83.9	88.4	90.1	91.0	91.6	91.7	91.8	91.9	88.2	75.2	54.1	38.9	36.0	32.9	30.5	31.2	39.7	58.6	65.9	69.9	75.2	82.0	83.7	85.5	69.5	91.9	30.5
12	87.5	88.7	90.2	90.6	90.7	91.1	91.1	90.6	81.1	75.1	55.7	35.8	33.3	33.7	34.7	40.8	45.9	51.8	57.6	64.4	71.8	60.9	60.4	62.6	66.1	91.1	33.3
13	62.4	60.3	61.6	65.0	68.4	72.6	70.5	71.8	67.3	57.8	54.0	48.7	44.5	42.8	41.8	41.8	49.5	58.1	67.4	69.2	70.2	71.3	68.2	55.4	60.0	72.6	41.8
14	52.8	54.6	58.6	65.8	68.4	68.6	70.6	77.1	77.1	68.4	43.7	45.1	41.3	41.4	43.2	44.1	51.1	53.1	53.6	56.8	59.4	60.8	62.3	63.5	57.6	77.1	41.3
15	64.6	67.6	70.8	73.8	76.9	85.1	88.7	88.6	87.1	82.4	69.1	66.6	64.7	71.4	69.2	64.2	72.6	69.2	76.7	83.1	80.3	82.3	87.7	84.5	76.1	88.7	64.2
16	85.0	86.7	87.3	82.0	78.4	83.8	87.0	88.6	81.9	78.7	67.4	73.1	64.3	51.0	49.5	52.1	57.0	62.1	60.1	59.5	63.7	70.9	75.3	78.0	71.8	88.6	49.5
17	78.7	81.1	81.9	82.5	82.7	84.2	85.3	81.8	79.0	72.6	71.7	72.9	79.3	78.6	64.3	65.3	81.6	82.5	87.5	86.2	86.2	85.6	85.6	84.8	80.1	87.5	64.3
18	84.9	85.0	86.0	86.2	83.8	82.2	81.1	81.3	82.4	68.9	66.3	58.8	51.3	47.0	42.3	46.1	54.8	62.3	68.4	67.9	69.8	64.2	62.0	59.9	68.5	86.2	42.3
19	62.6	62.7	58.5	58.9	59.2	59.3	67.2	72.8	72.8	61.7	41.9	33.2	31.2	33.8	35.4	38.1	40.5	44.6	47.6	53.2	55.0	60.1	62.5	61.3	53.1	72.8	31.2
20	64.6	66.3	67.6	71.7	72.8	73.6	72.4	68.2	68.0	66.0	56.9	41.6	36.3	32.8	32.6	38.6	46.4	49.5	59.4	65.4	71.3	75.8	77.5	78.0	60.6	78.0	32.6
21	80.8	77.3	80.6	80.3	81.6	72.7	64.9	70.3	72.0	63.8	59.5	55.9	52.3	50.7	49.5	48.0	53.4	60.8	65.7	73.9	79.3	78.8	83.6	85.7	68.4	85.7	48.0
22	86.0	85.8	86.0	86.0	86.3	86.2	86.3	85.2	81.7	76.8	71.5	65.4	55.1	49.8	48.7	47.7	54.4	68.3	74.1	81.7	83.0	84.7	85.0	85.5	75.0	86.3	47.7
23	86.3	85.4	81.6	78.8	71.4	66.5	63.0	61.0	63.6	64.1	61.4	62.4	77.7	81.0	72.1	71.9	81.4	83.6	86.0	88.8	83.3	86.7	82.1	73.4	75.6	88.8	61.0
24	70.8	65.1	64.4	67.1	67.0	67.2	75.3	72.0	68.5	57.8	50.9	47.8	44.9	41.5	39.2	41.2	48.3	55.3	60.0	57.7	56.2	56.7	58.1	57.5	57.9	75.3	39.2
25	59.0	61.9	60.6	56.2	56.1	53.0	54.3	57.0	54.9	38.9	32.0	29.1	28.7	27.8	28.1	29.6	32.1	36.6	46.4	48.2	54.0	59.8	58.8	63.6	46.9	63.6	27.8
26	59.0	61.2	53.2	55.8	56.5	60.4	68.7	67.6	53.1	33.3	26.7	24.2	21.7	20.4	20.9	23.4	25.2	29.5	43.5	45.1	48.3	55.3	58.4	57.3	44.5	68.7	20.4
27	63.0	63.3	63.6	66.1	67.8	70.5	71.0	71.7	68.8	53.4	39.9	32.6	27.9	25.5	25.5	28.6	33.8	41.4	48.5	54.8	61.0	63.7	69.2	76.5	53.7	76.5	25.5
28	76.4	77.9	77.7	75.9	78.9	81.3	83.3	83.6	82.5	68.2	60.3	54.7	58.0	64.3	61.0	68.0	69.8	70.1	78.6	75.0	71.4	77.8	84.0	85.0	73.5	85.0	54.7
29	86.4	87.0	87.7	86.3	83.6	83.7	83.9	85.5	87.6	85.6	81.8	75.7	73.1	68.9	76.1	74.8	80.7	86.3	85.7	83.7	82.5	81.8	80.9	79.6	82.0	87.7	68.9
30	78.1	78.1	77.4	76.7	76.2	76.6	76.1	76.3	76.9	76.5	75.9	71.8	62.4	58.9	63.5	78.6	84.9	87.4	88.6	88.5	89.2	89.8	88.8	87.9	78.5	89.8	58.9
Avg	74.5	75.3	76.0	76.6	77.1	77.9	79.1	79.4	75.9	66.7	54.5	46.2	43.6	42.4	41.5	43.7	50.5	58.4	64.7	67.7	70.1	73.3	74.9	74.8	65.2	83.2	39.6
Max	88.5	89.0	90.2	91.0	91.6	91.7	91.8	91.9	88.2	85.6	81.8	75.7	79.3	81.0	76.1	78.6	84.9	87.4	88.6	88.8	89.2	89.8	88.8	87.9	82.0	91.9	68.9
Min	49.7	51.7	53.2	55.8	56.1	53.0	54.3	57.0	53.1	33.3	26.7	21.8	19.5	17.2	20.2	19.0	25.2	29.5	43.5	45.1	48.3	55.3	58.1	55.4	44.5	63.6	17.2

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Relative Humidity (% RH)
December 2016

	<< 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	87.4	87.9	87.4	87.5	86.4	85.8	87.1	87.1	87.4	86.4	79.8	78.0	77.8	77.9	80.5	79.5	83.9	86.9	89.0	87.7	88.6	89.4	88.0	88.5	85.2	89.4	77.8
2	87.3	89.0	88.3	88.2	88.3	87.8	87.7	84.0	80.7	72.6	68.4	65.8	64.5	63.3	64.0	64.9	68.6	80.0	85.2	84.1	85.5	87.5	84.0	78.7	79.1	89.0	63.3
3	76.7	78.5	78.4	76.1	82.9	81.5	78.5	73.5	74.1	71.6	70.3	68.1	65.5	57.8	60.3	63.3	61.3	66.1	64.5	61.1	64.2	64.9	68.2	76.9	70.2	82.9	57.8
4	79.0	82.4	82.1	73.4	69.8	70.3	68.6	64.6	69.5	66.1	66.2	68.9	65.0	59.5	66.2	79.1	88.6	79.5	63.2	71.7	79.6	79.3	76.4	74.8	72.7	88.6	59.5
5	73.1	74.5	76.1	76.1	72.9	73.5	71.9	71.7	73.0	71.4	67.2	62.7	68.4	66.5	65.1	66.9	74.0	78.9	80.4	80.6	81.5	79.3	76.3	74.6	73.2	81.5	62.7
6	74.2	73.4	73.9	76.4	76.8	76.4	76.5	76.7	77.2	78.1	77.9	76.6	74.8	74.1	73.5	74.2	73.3	70.7	69.6	71.8	68.3	67.9	70.6	71.7	73.9	78.1	67.9
7	73.0	73.4	73.5	74.6	74.6	74.7	73.8	73.5	73.1	68.2	61.4	52.4	62.3	64.7	60.0	60.1	69.8	73.2	73.6	73.5	73.3	74.3	74.6	75.6	70.0	75.6	52.4
8	75.7	76.1	76.0	76.4	76.8	76.8	77.1	76.8	76.2	69.6	61.0	58.4	56.1	55.4	57.5	61.0	71.3	75.6	74.9	75.0	74.3	74.9	72.9	73.2	70.8	77.1	55.4
9	76.5	73.1	73.3	72.6	71.6	71.9	73.6	74.7	73.9	72.6	70.6	67.8	63.1	63.3	65.1	71.5	77.2	76.4	76.6	77.4	78.1	80.3	81.0	81.0	73.5	81.0	63.1
10	81.3	81.1	81.8	82.5	83.7	84.6	86.2	86.9	87.4	83.3	81.5	79.0	80.0	82.8	69.5	62.0	64.2	64.3	62.8	62.0	65.5	65.2	64.2	66.1	75.3	87.4	62.0
11	70.9	76.6	78.6	78.9	79.9	81.0	82.0	83.6	83.3	80.0	71.3	56.7	55.7	56.8	57.9	57.0	64.6	72.6	75.8	77.8	79.6	82.5	84.7	80.9	73.7	84.7	55.7
12	82.1	83.0	79.4	78.7	79.6	80.0	79.9	78.3	77.4	75.2	71.7	71.8	71.1	74.3	74.4	75.0	77.3	77.6	78.5	78.2	76.0	74.5	73.9	72.1	76.7	83.0	71.1
13	72.4	71.7	72.0	70.9	73.1	74.9	75.9	76.0	75.9	77.1	79.7	76.3	63.5	62.2	64.0	63.7	64.1	71.0	76.9	78.9	79.2	78.9	76.7	76.4	73.0	79.7	62.2
14	74.3	73.9	72.9	72.0	71.3	70.8	69.7	70.0	70.1	71.2	73.0	75.3	75.5	68.3	68.2	69.1	72.7	76.1	78.7	78.8	78.3	76.1	77.1	72.3	73.2	78.8	68.2
15	70.1	75.7	82.4	80.9	82.4	83.2	83.2	82.9	83.0	82.8	82.2	81.8	80.7	79.4	78.5	78.8	79.2	79.2	78.9	78.5	78.0	77.8	77.1	76.7	79.7	83.2	70.1
16	75.8	75.6	75.6	75.8	75.6	74.8	74.4	74.2	73.6	73.0	72.8	70.5	64.5	62.4	59.5	57.6	59.9	62.2	62.9	67.0	71.6	70.0	67.9	67.1	69.3	75.8	57.6
17	65.4	64.5	63.4	61.7	61.9	61.2	60.1	60.8	60.7	61.0	61.3	57.4	58.0	50.6	52.2	60.9	67.9	73.1	73.0	72.0	71.1	70.8	70.7	73.3	63.9	73.3	50.6
18	76.3	69.9	70.8	72.9	74.6	74.1	76.3	75.2	75.0	74.4	67.8	67.5	73.7	74.2	70.6	67.9	68.4	70.9	70.0	70.4	70.8	71.0	73.7	78.6	72.3	78.6	67.5
19	79.5	78.8	80.4	80.4	78.9	68.3	70.8	64.8	64.6	61.9	56.6	53.3	54.4	57.2	59.7	61.4	64.2	65.8	66.4	64.2	60.4	60.2	61.0	62.7	65.7	80.4	53.3
20	62.4	63.1	63.2	63.8	67.3	71.6	77.5	73.4	66.6	65.0	65.0	65.5	68.3	68.7	70.5	66.1	66.5	79.1	56.0	54.4	52.2	54.5	56.5	56.8	64.8	79.1	52.2
21	59.0	60.1	62.9	65.2	65.8	67.1	68.2	68.3	68.5	66.3	Au	Au	Au	Au	Au	52.5	56.0	66.0	75.5	81.4	81.6	81.3	79.8	80.3	68.7	81.6	52.5
22	80.2	80.5	77.9	77.8	78.8	79.8	79.6	78.0	76.7	73.7	63.9	57.2	45.0	37.2	28.1	23.9	30.1	34.0	40.6	49.4	54.4	56.7	59.1	64.8	59.5	80.5	23.9
23	67.3	69.1	71.5	72.9	73.5	73.4	75.0	75.4	74.0	70.1	60.8	50.6	40.2	39.4	48.7	49.0	50.8	57.2	60.2	54.5	61.7	70.1	69.8	70.5	62.7	75.4	39.4
24	68.9	70.9	73.7	75.7	80.6	84.1	87.1	86.8	85.7	85.3	84.3	72.5	75.1	76.2	77.5	85.6	83.3	84.0	84.1	83.2	83.1	83.4	82.2	80.7	80.6	87.1	68.9
25	77.4	75.6	72.7	76.1	76.7	76.6	75.9	75.0	76.3	76.0	75.1	75.4	74.0	73.1	72.9	75.3	77.0	77.0	77.9	77.0	75.8	75.1	77.8	78.8	75.9	78.8	72.7
26	79.4	80.3	78.9	79.5	79.8	80.3	80.4	73.5	71.6	68.6	67.8	65.1	60.2	59.6	58.1	58.0	61.4	76.2	79.5	80.4	81.0	79.0	78.1	77.7	73.1	81.0	58.0
27	77.3	77.7	80.2	80.8	81.7	75.4	63.5	58.1	60.5	58.6	57.7	61.6	65.8	72.2	70.2	76.3	78.3	79.1	73.6	70.3	62.1	67.5	70.0	64.1	70.1	81.7	57.7
28	63.9	62.8	64.1	71.7	74.8	82.0	73.6	70.0	74.1	69.5	65.0	63.3	57.5	55.4	53.5	53.3	53.5	57.0	57.9	57.2	57.6	59.8	59.8	62.5	63.3	82.0	53.3
29	71.9	76.4	79.4	79.5	79.7	78.3	77.5	76.9	75.1	72.5	62.7	44.1	42.9	43.6	44.6	45.6	48.0	56.9	61.3	63.0	49.1	42.9	43.1	48.1	61.0	79.7	42.9
30	42.8	43.7	49.2	54.4	60.2	55.0	58.1	62.5	66.3	72.3	73.4	80.0	81.1	80.6	67.8	65.7	71.3	80.7	83.8	85.9	86.2	82.5	83.2	74.7	69.2	86.2	42.8
31	69.8	70.9	73.5	71.2	68.7	67.9	63.9	64.0	64.1	57.5	52.4	53.9	52.5	49.4	47.5	47.8	50.5	62.7	69.5	72.6	78.9	81.4	80.8	79.8	64.6	81.4	47.5
Avg	73.3	73.9	74.6	75.0	75.8	75.6	75.3	74.1	74.1	72.0	69.0	65.9	64.6	63.5	62.9	63.6	67.0	71.3	71.6	72.3	72.5	72.9	72.9	72.9	71.1	81.4	57.7
Max	87.4	89.0	88.3	88.2	88.3	87.8	87.7	87.1	87.4	86.4	84.3	81.8	81.1	82.8	80.5	85.6	88.6	86.9	89.0	87.7	88.6	89.4	88.0	88.5	85.2	89.4	77.8
Min	42.8	43.7	49.2	54.4	60.2	55.0	58.1	58.1	60.5	57.5	52.4	44.1	40.2	37.2	28.1	23.9	30.1	34.0	40.6	49.4	49.1	42.9	43.1	48.1	59.5	73.3	23.9

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
October 2016

	<< 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	0.250	0.110	0.040	0.090	0.000	0.000	0.000	0.000	0.000	0.000	0.490	0.250
2	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.020	0.010
3	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.030	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.010	0.000	0.010	0.010	0.000	0.000	0.010	0.000	0.140	0.050
4	0.000	0.000	0.000	0.010	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	0.020	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	0.010	0.010	0.030	0.050	0.030
8	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	0.000	0.000	0.000	0.000	0.010	0.010
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.030	0.020	0.010	0.010	0.090	0.030
11	0.010	0.040	0.060	0.020	0.020	0.010	0.010	0.020	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	0.000	0.230	0.060
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.090	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.130	0.090
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	0.120	0.010	0.000	0.000	0.000	0.010	0.020	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	0.170	0.120
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.030	0.020	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.030
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	0.010	0.020	0.000	0.000	0.030	0.020
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	0.020	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	0.040	0.020
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.010	0.040	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.040
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	0.070	0.090	0.190	0.220	0.070	0.640	0.220
31	0.020	0.010	0.000	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	0.000	0.000	0.000	0.000	0.000	0.080	0.030
Tot	0.050	0.050	0.180	0.070	0.030	0.030	0.100	0.100	0.060	0.040	0.050	0.020	0.050	0.100	0.250	0.120	0.070	0.090	0.010	0.110	0.130	0.240	0.250	0.110	2.310	0.000
Max	0.020	0.040	0.120	0.030	0.020	0.010	0.050	0.030	0.020	0.030	0.030	0.020	0.040	0.090	0.250	0.110	0.040	0.090	0.010	0.070	0.090	0.190	0.220	0.070	0.640	0.250

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
November 2016

	<< 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	0.000	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.010	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	0.020	0.030	0.000	0.060	0.030
16	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.030
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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	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	0.030	0.020
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	0.010	0.000	0.000	0.000	0.000	0.000	0.010	0.010
Tot	0.010	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.020	0.000	0.000	0.010	0.030	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.020	0.030	0.000	0.170	0.000
Max	0.010	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.020	0.000	0.000	0.010	0.030	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.020	0.030	0.000	0.060	0.030

Tintina Resources, Inc.
Black Butte Copper Project Met Tower Air Monitoring Summary
Precipitation (Inches)
December 2016

	<< 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	0.010	0.000	0.000	0.010	0.000	0.010	0.030	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	0.010	0.010	0.000	0.000	0.020	0.010
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.020	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.010	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	0.010	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	0.000	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	0.010	0.010	0.010	0.010	0.020	0.030	0.010	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	0.160	0.030
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	Au	Au	Au	Au	Au	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.010	0.000	0.000	0.000	0.000	0.010	0.010
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tot	0.010	0.000	0.010	0.010	0.010	0.010	0.020	0.030	0.010	0.020	0.010	0.020	0.020	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.020	0.000	0.010	0.290	0.000
Max	0.010	0.000	0.010	0.010	0.010	0.010	0.020	0.030	0.010	0.020	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.000	0.010	0.160	0.030

APPENDIX B: PERFORMANCE AUDIT REPORTS FOURTH QUARTER 2016

BISON
ENGINEERING, INC.

Bison Engineering

Preliminary Meteorological Parameters Audit Form

Audit Dates: 12/21/2016 Audit Start Time : 10:45 MST Audit End Time : 14:25 MST
Client: Tintina Resources
Site: Black Butte
AUDITOR: Steve Heck STATION OPERATOR: Jeff Bell

Temperature

Audit Device: Control Company - digital thermometer Model 4000
Meter S/N: 130236679 Temperature Sensor: Climatronics 100093
Last certified: 7/20/2016 S/N P12535 (Upper), S/N P12535 (Lower) - Matched Set

Temperature bath results

Audit Value °C	9m DAS Value °C	9m DAS Diff. °C	2m DAS Value °C	2m DAS Diff. °C	9m - 2m DAS Diff. °C
0.01	0.11	0.10	0.16	0.15	-0.05
18.54	18.44	-0.10	18.50	-0.04	-0.06
37.70	37.87	0.17	37.93	0.23	-0.06

Wind Direction

Sensor height: 9 Meter
Sensor (Make/model number): Climatronics/ 102083
Serial Number : P1336C
Crossarm orientation (from solar sighting): 178.5 / 358.5
Location used for solar calculation:
N 46 deg 46 min, W 110 deg 53 min
Calculated sun azimuth at 1107 MST:
162.0 degrees
Sensor response aligned with crossarm (as found): 0.1

Linearity Audit Device: Climatronics 101966, SN 70

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

Linearity Check from DAS (as found)

Setpoint	Clockwise	Counter-CW	Diff CW	Diff CCW
0	0.1	0.1	0.1	0.1
30	28.7	28.7	-1.3	-1.3
60	59.6	59.6	-0.4	-0.4
90	89.6	89.6	-0.4	-0.4
120	117.6	117.6	-2.4	-2.4
150	147.9	148.1	-2.1	-1.9
180	179.9	179.7	-0.1	-0.3
210	207.4	207.3	-2.6	-2.7
240	239.2	239.2	-0.8	-0.8
270	269.9	269.9	-0.1	-0.1
300	299.0	298.8	-1.0	-1.2
330	329.1	329.0	-0.9	-1.0
		Max Diff	**-2.6**	**-2.7**

Wind Speed

Sensor height:: 9 Meter
Sensor (Make/model number): Climatronics/ 102083
Serial Number : P1336C
Calibration device: Weathertronics 300 rpm synchronous motor
Weathertronics 600 rpm synchronous motor

Synchronous motor checks

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

Threshold Torque: 0.004 oz.-in.
(Waters Model 366-3 torque watch)

Solar Radiation

Audit Device: Eppley Pyranometer, SN 16166F3 (certified by Eppley August 2016)

Time (MST)	CTS Value (W/m2)	Site Value (W/m2)	Diff. (%)	Diff. (% FS)
1330	315	329	4.4	1.1
1412	269	281	4.5	0.9
1420	256	261	2.0	0.4

Relative Humidity

Site Sensor: Met One 083E-0-35
Sensor Height: 2 meters
Reference Std: Assmann Psychrometer, thermometer calibrations checked November 2016

Ref Dry-Bulb:	-3.3	deg C	BP = 26.55 in. Hg
Ref Wet-Bulb	-5.7	deg C	
Ref RH:	56.4	%RH	
Station RH:	52.2	%RH	
Diff:	-4.2	%RH	

Barometric Pressure

Audit Device: Wallace & Tiernan Model FA185260, S/N LL03297.
Checked against Bison Mercury barometer (Butte) on 11/28/2016

Audit Value:	24.55	in Hg
Station Value:	24.50	in Hg
Diff:	-0.05	in Hg

Precipitation

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

250 ml water added
Calibration is 8.24 ml per tip
Known audit value is 559 / 8.24 = 30.3 tips (so 30 full tips expected)

Unit registered 30 tips
% difference from expected = 0.0%

Signature Site Operator :_____

Signature Auditor : 

APPENDIX C: EVAPORATION AND PRECIPITATION SUMMARY, FOURTH QUARTER 2016

EVAPORATION AND PRECIPITATION SUMMARY FOR TINTINA SITE

(All values in inches)

DATE	TIME	EVAPORATION AS-FOUND	EVAPORATION AS-LEFT	PRECIPITATION (MANUAL)	PRECIPITATION (AUTOMATED)	TOTAL EVAPORATION	NET EVAPORATION
9/26/2016	1130		2.725				
10/3/2016	0930	2.492	2.492	0.55	0.59	0.783	0.233
10/7/2016	1100	2.456	2.456	0.14	0.08	0.176	0.036
10/14/2016	1100	2.520	2.520	0.35	0.38	0.286	-0.064
10/17/2016	1645	2.720	2.720	0.40	0.38	0.200	-0.200
10/18/2016	1225	2.745	2.745	0.06	0.05	0.035	-0.025
10/28/2016	0900	2.274	2.274	0.17	0.11	0.641	0.471
		TOTAL FOR SEPTEMBER 26 -OCTOBER 28		1.67	1.59	2.12	0.45

EVAPORATION AND PRECIPITATION SUMMARY FOR TINTINA SITE

(All values in inches)

DATE	TIME	EVAPORATION AS-FOUND	EVAPORATION AS-LEFT	PRECIPITATION (MANUAL)	PRECIPITATION (AUTOMATED)	TOTAL EVAPORATION	NET EVAPORATION
10/28/2016	0900		2.274				
11/2/2016	1200	1.620	END	0.74	0.72	1.394	0.654
11/4/2016	0900	No Data	No Data	0.00	0.00	No Data	No Data
11/7/2016	1320	No Data	No Data	0.00	0.00	No Data	No Data
11/9/2016	1000	No Data	No Data	0.00	0.00	No Data	No Data
11/11/2016	0900	No Data	No Data	0.00	0.00	No Data	No Data
11/14/2016	1000	No Data	No Data	0.00	0.00	No Data	No Data
11/16/2016	1130	No Data	No Data	0.36	0.08	No Data	No Data
11/29/2016	1000	No Data	No Data	0.15	0.08	No Data	No Data
		TOTAL FOR OCTOBER 28 - NOVEMBER 29		1.25	0.88	1.39	0.65

EVAPORATION AND PRECIPITATION SUMMARY FOR TINTINA SITE

(All values in inches)

DATE	TIME	EVAPORATION AS-FOUND	EVAPORATION AS-LEFT	PRECIPITATION (MANUAL)	PRECIPITATION (AUTOMATED)	TOTAL EVAPORATION	NET EVAPORATION
11/29/2016	1000		No Data				
12/2/2016	1130	No Data	No Data	0.17	0.04	No Data	No Data
12/12/2016	1000	No Data	No Data	0.10	0.07	No Data	No Data
12/22/2016	1100	No Data	No Data	0.15	0.17	No Data	No Data
12/26/2016	0900	No Data	No Data	0.00	0.02	No Data	No Data
12/29/2016	0830	No Data	No Data	0.06	0.00	No Data	No Data
		TOTAL FOR NOVEMBER 29 - DECEMBER 29		0.48	0.30	No Data	No Data