

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

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	1.8	1.4	2.1	2.3	2.5	2.0	2.6	2.4	3.1	3.3	3.2	2.8	2.5	3.5	6.1	5.6	7.0	7.1	4.8	3.8	3.7	3.5	2.0	3.1	3.4	7.1	1.4
2	2.8	2.4	2.2	2.5	4.1	6.2	6.0	4.8	4.8	5.1	3.7	4.5	5.8	5.8	6.8	7.0	4.9	3.8	3.8	2.0	1.0	1.4	1.1	1.9	3.9	7.0	1.0
3	2.3	2.2	1.4	1.2	1.0	1.1	0.5	0.7	0.7	1.2	5.1	5.4	5.3	5.6	5.4	6.2	4.6	2.8	1.9	2.7	3.4	2.2	1.3	1.5	2.7	6.2	0.5
4	1.3	1.2	1.1	0.9	1.1	1.5	2.0	1.7	3.8	6.2	7.4	8.7	8.5	8.7	9.8	8.7	8.0	6.9	6.9	6.0	4.3	4.3	2.2	1.7	4.7	9.8	0.9
5	2.9	3.4	2.4	1.5	1.8	0.7	0.5	0.9	4.3	4.6	5.6	6.4	7.2	6.6	6.2	6.3	3.9	2.5	3.4	2.1	2.9	3.1	2.1	1.6	3.5	7.2	0.5
6	1.2	1.5	1.4	1.7	1.7	2.0	3.1	2.7	1.5	3.9	5.4	6.8	8.6	8.9	9.8	9.9	8.8	5.8	4.4	3.9	3.5	2.9	2.0	2.3	4.3	9.9	1.2
7	1.7	2.2	1.9	1.6	1.6	1.3	1.1	0.9	0.9	2.7	Au	Au	Au	Au	4.7	6.7	5.5	3.1	1.1	3.5	2.6	2.1	1.7	1.5	2.4	6.7	0.9
8	1.4	1.2	0.8	0.9	1.2	0.6	0.8	0.6	0.4	0.8	5.0	5.6	6.0	5.5	6.3	4.6	3.4	2.0	2.8	3.1	2.1	0.7	0.6	0.7	2.4	6.3	0.4
9	0.5	0.6	0.8	0.9	0.6	0.8	1.3	1.0	4.4	6.7	6.7	7.4	6.7	7.2	7.3	7.3	7.0	5.0	4.9	3.8	5.1	6.1	4.2	2.2	4.1	7.4	0.5
10	1.8	2.0	1.1	1.3	0.6	0.9	0.5	0.9	0.5	0.6	1.1	3.5	3.7	4.0	4.0	3.9	3.7	3.0	2.7	2.7	2.9	2.2	1.2	0.8	2.1	4.0	0.5
11	0.8	0.5	1.3	1.3	1.4	1.5	1.3	1.4	1.2	1.2	4.2	4.7	4.9	3.8	3.5	3.0	4.2	6.4	5.9	2.3	4.4	2.9	2.5	4.3	2.9	6.4	0.5
12	3.3	2.9	2.9	3.6	2.5	4.3	3.9	4.0	2.1	3.0	3.6	3.1	3.9	4.8	2.6	3.0	5.3	6.9	5.3	3.5	1.5	1.5	1.6	0.8	3.3	6.9	0.8
13	0.8	1.2	1.1	0.8	0.8	1.1	0.9	0.7	0.9	1.6	3.8	7.2	6.7	7.8	6.1	4.9	4.8	1.5	2.2	2.8	2.3	2.8	2.8	1.8	2.8	7.8	0.7
14	2.9	3.3	1.7	3.2	3.1	4.4	4.5	4.7	4.0	4.4	5.0	7.9	7.6	6.4	6.0	5.8	4.5	3.6	1.4	2.6	2.4	1.9	2.3	3.4	4.0	7.9	1.4
15	1.9	1.3	1.7	2.1	2.7	1.2	1.9	2.1	1.3	2.1	5.6	6.2	8.8	8.8	9.9	10.3	9.3	6.1	8.5	2.0	5.9	6.4	7.3	7.6	5.0	10.3	1.2
16	7.7	6.9	7.1	5.4	5.5	6.2	4.3	2.9	3.1	3.6	4.8	4.3	3.6	2.8	3.5	3.1	2.2	1.2	1.8	2.6	1.9	1.6	2.1	2.4	3.8	7.7	1.2
17	2.0	1.7	1.2	1.7	1.5	1.7	1.2	1.4	0.9	1.4	5.2	6.3	6.5	5.9	6.0	4.7	4.9	2.8	2.3	2.2	2.7	2.8	2.1	1.9	3.0	6.5	0.9
18	1.8	2.2	1.7	0.8	1.3	1.3	1.3	1.3	0.9	1.0	4.7	6.6	6.8	6.5	5.0	6.3	6.3	4.5	3.3	2.0	2.1	1.6	1.7	2.1	3.0	6.8	0.8
19	1.5	1.2	1.3	0.9	0.9	0.8	1.2	0.9	0.8	0.7	2.3	4.0	3.2	2.9	3.4	3.2	3.0	2.5	3.4	2.8	3.2	3.0	1.9	1.2	2.1	4.0	0.7
20	1.3	1.6	1.2	1.1	0.9	1.0	0.9	1.8	1.8	2.5	3.8	5.9	6.3	5.4	6.3	5.3	4.3	2.3	3.3	2.5	2.5	1.3	1.2	1.4	2.7	6.3	0.9
21	0.7	1.4	2.0	1.5	1.6	2.3	1.3	0.7	0.9	4.6	3.9	5.1	7.5	7.5	4.5	6.2	7.8	5.0	1.8	1.2	1.1	1.1	2.1	2.7	3.1	7.8	0.7
22	1.6	1.3	1.5	1.3	1.5	1.0	1.3	1.7	1.6	2.9	3.0	4.8	4.2	4.0	4.1	3.8	3.1	2.3	1.8	1.0	1.1	0.9	1.2	2.4	2.2	4.8	0.9
23	2.2	3.8	5.9	6.1	3.9	2.7	4.8	2.4	1.9	5.2	5.2	6.4	7.1	7.4	8.0	5.3	4.0	3.2	2.3	3.9	5.3	3.9	2.3	3.5	4.4	8.0	1.9
24	5.1	2.9	1.5	1.7	2.7	1.3	1.2	2.7	2.4	2.9	4.6	3.4	4.3	4.5	4.7	3.2	2.0	1.0	1.7	1.8	1.4	1.6	1.7	1.5	2.6	5.1	1.0
25	1.9	2.4	2.1	1.7	2.4	2.2	2.2	2.1	1.1	1.5	3.6	4.0	4.4	4.0	5.3	4.5	2.1	5.1	7.1	5.9	4.3	2.5	1.2	3.7	3.2	7.1	1.1
26	2.6	5.5	5.0	5.0	6.4	7.6	7.6	5.6	5.4	6.7	7.0	8.5	8.7	10.7	10.3	9.2	8.0	5.7	5.1	6.8	5.1	5.7	5.5	6.2	6.7	10.7	2.6
27	5.3	6.2	7.1	5.0	5.3	4.8	4.2	2.7	2.2	4.7	7.3	8.3	8.2	8.3	5.8	4.4	4.0	4.2	3.6	2.7	1.3	1.3	1.2	1.4	4.6	8.3	1.2
28	1.3	1.5	1.7	1.6	1.0	1.0	1.1	1.1	0.9	0.8	1.3	3.3	0.2	3.2	7.0	5.3	2.2	1.5	2.6	2.9	1.6	1.5	1.3	1.0	2.0	7.0	0.2
29	1.5	3.6	1.8	3.7	3.1	2.8	1.9	2.3	6.5	7.9	7.3	7.7	8.1	7.9	8.3	6.9	7.6	7.3	4.7	2.1	2.1	2.2	1.6	1.2	4.6	8.3	1.2
30	1.0	1.0	0.9	0.9	1.1	0.8	1.1	1.0	0.7	1.0	2.0	4.5	4.6	4.4	4.5	5.8	5.8	6.2	2.5	2.5	2.5	2.6	2.3	3.2	2.6	6.2	0.7
31	3.0	3.5	3.8	2.2	1.4	1.1	0.8	0.9	1.1	1.0	1.5	3.0	4.6	4.9	5.2	2.2	1.3	2.5	2.0	1.1	1.7	2.9	2.0	1.8	2.3	5.2	0.8
Avg	2.2	2.4	2.2	2.1	2.2	2.2	2.2	2.0	2.1	3.1	4.4	5.5	5.8	5.9	6.0	5.6	5.0	4.0	3.5	2.9	2.8	2.6	2.1	2.3	3.4	7.1	0.9
Max	7.7	6.9	7.1	6.1	6.4	7.6	7.6	5.6	6.5	7.9	7.4	8.7	8.8	10.7	10.3	10.3	9.3	7.3	8.5	6.8	5.9	6.4	7.3	7.6	6.7	10.7	2.6
Min	0.5	0.5	0.8	0.8	0.6	0.6	0.5	0.6	0.4	0.6	1.1	2.8	0.2	2.8	2.6	2.2	1.3	1.0	1.1	1.0	1.0	0.7	0.6	0.7	2.0	4.0	0.2

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Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	1.9	1.9	1.7	1.1	1.3	0.9	1.3	1.4	0.9	1.4	4.6	5.5	5.8	5.2	5.7	5.0	5.8	3.2	3.3	3.1	4.8	1.8	2.4	1.9	3.0	5.8	0.9
2	1.5	1.4	1.7	0.9	2.5	4.3	3.7	3.8	3.8	3.2	3.6	3.6	5.4	5.2	4.9	6.0	6.7	6.9	6.0	4.6	4.4	5.7	6.7	3.1	4.2	6.9	0.9
3	3.4	2.2	1.7	1.4	1.1	0.8	0.9	0.8	0.6	0.9	3.8	5.3	6.8	7.0	6.9	6.4	6.1	4.7	2.8	1.8	1.2	0.9	1.6	1.0	2.9	7.0	0.6
4	1.1	1.5	1.2	1.0	1.0	1.1	1.4	1.8	1.5	2.6	3.1	4.6	6.2	5.7	3.2	1.7	4.5	3.3	3.8	5.3	3.8	4.0	4.8	5.9	3.1	6.2	1.0
5	6.2	6.0	5.6	5.9	4.9	5.0	4.9	5.2	5.7	6.4	7.0	8.8	10.1	9.2	7.2	4.8	2.9	2.0	1.7	1.5	3.1	2.2	1.8	1.4	5.0	10.1	1.4
6	1.2	1.3	1.2	1.6	1.3	1.8	1.9	1.2	1.6	2.2	3.1	3.2	3.7	4.9	4.3	3.1	4.8	4.9	6.1	6.9	6.3	5.1	5.0	5.6	3.4	6.9	1.2
7	8.8	8.1	9.8	7.7	6.7	6.8	6.3	4.8	3.3	6.1	6.3	6.0	5.4	5.5	6.2	5.8	6.2	4.2	2.3	1.3	1.6	2.3	1.8	1.2	5.2	9.8	1.2
8	1.2	1.0	0.8	1.2	0.9	1.0	0.9	1.1	1.5	2.1	4.8	6.1	7.6	7.8	8.4	5.4	3.6	3.0	4.9	6.5	1.8	2.4	3.6	7.6	3.5	8.4	0.8
9	6.5	5.6	4.2	4.4	4.8	3.5	2.3	2.6	1.6	3.8	3.3	1.5	6.1	10.3	7.9	7.5	7.9	7.9	6.6	8.1	7.0	8.1	8.7	6.4	5.7	10.3	1.5
10	6.2	9.0	6.5	3.9	3.8	4.3	4.8	3.3	1.9	1.4	2.0	2.6	2.9	4.9	5.5	7.0	3.9	4.0	4.8	6.0	6.7	7.0	4.9	3.7	4.6	9.0	1.4
11	3.8	3.4	4.4	3.2	3.4	3.2	2.7	2.8	2.2	3.4	5.5	5.6	5.0	6.5	7.5	5.7	3.0	4.0	3.0	2.6	3.0	1.9	2.0	1.3	3.7	7.5	1.3
12	1.2	1.7	1.4	1.7	0.9	1.6	1.3	0.7	0.9	0.7	3.2	3.3	3.1	3.2	3.1	4.6	5.3	4.3	1.7	0.7	1.5	0.9	0.7	0.8	2.0	5.3	0.7
13	0.8	0.6	1.0	1.2	1.0	0.6	0.9	0.6	0.6	0.6	1.0	1.4	1.8	2.9	2.6	3.7	3.3	1.8	0.9	1.1	0.5	1.0	0.4	0.6	1.3	3.7	0.4
14	0.9	0.9	0.7	0.9	1.1	1.1	0.5	0.5	0.7	0.7	1.1	1.8	3.8	4.3	3.7	3.8	2.3	1.2	3.4	4.2	5.4	4.3	5.8	2.6	2.3	5.8	0.5
15	4.2	3.9	2.7	1.5	0.9	1.2	1.3	1.7	1.2	0.6	1.3	3.3	4.6	5.0	5.1	5.3	3.6	1.2	1.4	1.4	1.4	2.1	1.4	0.9	2.4	5.3	0.6
16	1.5	1.3	1.3	1.6	1.3	1.6	2.1	5.6	4.9	6.5	7.2	7.9	9.0	10.0	7.7	6.4	5.6	3.2	2.9	2.9	2.0	1.6	1.3	1.0	4.0	10.0	1.0
17	0.8	0.9	0.7	0.5	0.5	0.6	0.4	0.5	0.5	0.5	0.5	0.7	1.1	1.9	1.6	0.9	0.7	2.3	1.7	2.2	2.1	1.6	1.7	1.8	1.1	2.3	0.4
18	1.4	1.0	0.9	0.7	1.3	1.3	1.8	2.5	2.6	1.2	0.7	1.6	3.5	4.5	4.0	3.3	2.3	0.6	1.9	1.9	2.3	2.4	1.9	1.3	2.0	4.5	0.6
19	1.2	0.9	0.8	0.6	0.4	0.4	0.6	0.6	0.5	0.3	0.5	0.7	2.8	3.9	3.8	2.2	1.4	2.1	2.1	2.6	2.1	1.2	1.4	1.1	1.4	3.9	0.3
20	1.4	0.7	1.2	0.8	0.6	0.9	0.9	1.1	0.9	0.9	0.8	0.9	2.0	2.7	2.4	2.4	1.3	2.7	1.3	1.6	2.2	4.4	3.9	4.7	1.8	4.7	0.6
21	4.6	6.2	7.0	5.0	3.4	2.1	3.0	3.1	2.9	2.4	3.0	4.3	4.4	5.3	4.0	2.6	2.8	1.5	1.7	2.0	1.5	3.0	5.9	6.7	3.7	7.0	1.5
22	3.9	3.1	3.5	4.8	7.5	4.7	4.5	4.9	3.6	5.5	9.6	9.9	11.5	10.8	11.3	12.9	9.1	10.3	10.8	9.9	8.1	6.5	5.0	4.0	7.3	12.9	3.1
23	5.5	5.1	2.4	2.2	3.6	5.1	5.4	3.8	2.2	5.7	7.4	8.7	8.6	9.3	8.9	7.2	5.4	6.0	5.8	4.2	3.6	4.7	6.8	5.8	5.6	9.3	2.2
24	4.8	4.3	5.8	4.4	4.5	3.1	4.1	4.1	2.8	2.0	4.1	5.6	6.0	7.8	7.6	5.3	5.1	5.8	5.7	4.9	6.2	3.5	1.1	1.6	4.6	7.8	1.1
25	1.4	1.5	2.8	5.5	6.5	4.7	5.3	6.3	5.5	6.6	6.4	5.7	5.5	3.9	3.8	3.3	2.4	1.1	0.5	0.6	0.6	0.9	0.7	0.5	3.4	6.6	0.5
26	0.8	0.9	0.7	0.3	0.3	0.3	0.4	0.3	0.2	0.3	0.6	0.4	0.3	0.3	0.4	0.4	0.6	0.8	1.0	1.1	0.9	0.9	0.8	1.2	0.6	1.2	0.2
27	0.9	0.5	0.7	0.6	1.4	1.2	1.2	1.9	1.6	1.1	2.4	5.7	2.7	1.5	1.7	1.7	2.4	2.9	1.6	1.8	3.7	3.2	4.4	3.8	2.1	5.7	0.5
28	4.5	4.5	4.4	5.5	6.1	5.3	5.1	3.3	3.8	5.6	6.0	5.7	5.5	5.9	6.9	4.9	5.7	3.1	6.5	6.0	5.3	5.1	7.5	7.3	5.4	7.5	3.1
29	6.7	4.5	2.8	2.7	6.1	4.5	4.0	4.6	4.9	4.4	4.0	4.1	3.7	4.1	4.3	3.9	3.1	2.8	2.3	2.2	3.4	1.6	1.0	1.2	3.6	6.7	1.0
30	0.9	0.9	0.9	0.9	1.1	0.6	0.6	0.7	0.6	0.8	0.6	1.0	3.3	2.8	0.7	0.8	2.3	2.3	1.9	1.8	2.1	0.8	1.5	1.0	1.3	3.3	0.6
Avg	3.0	2.8	2.7	2.5	2.7	2.5	2.5	2.5	2.2	2.7	3.6	4.2	4.9	5.4	5.0	4.5	4.0	3.5	3.3	3.4	3.3	3.0	3.2	2.9	3.3	6.7	1.0
Max	8.8	9.0	9.8	7.7	7.5	6.8	6.3	6.3	5.7	6.6	9.6	9.9	11.5	10.8	11.3	12.9	9.1	10.3	10.8	9.9	8.1	8.1	8.7	7.6	7.3	12.9	3.1
Min	0.8	0.5	0.7	0.3	0.3	0.3	0.4	0.3	0.2	0.3	0.5	0.4	0.3	0.3	0.4	0.4	0.6	0.6	0.5	0.6	0.5	0.8	0.4	0.5	0.6	1.2	0.2

A-2

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Wind Speed (meters per second)
December 2014

Day	<< Hour >>																								Avg	Max	Min	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
1	1.4	1.6	2.1	2.3	2.3	2.2	1.9	1.2	1.5	1.4	1.0	1.1	2.0	0.9	1.3	3.2	3.7	2.5	1.6	4.8	5.5	6.6	8.1	6.5	2.8	8.1	0.9	
2	6.4	4.9	5.9	7.6	9.8	6.1	4.9	8.2	9.5	9.1	8.5	7.9	7.0	7.7	7.4	5.8	3.5	1.7	2.8	1.9	1.3	1.6	1.1	0.7	5.5	9.8	0.7	
3	1.2	1.2	1.3	1.7	1.7	1.8	1.9	1.5	1.5	1.4	0.9	0.8	0.6	1.1	0.6	0.8	1.5	1.5	1.6	1.7	1.5	1.3	1.1	1.5	1.3	1.9	0.6	
4	0.9	1.0	1.2	1.0	0.7	0.9	0.8	0.9	1.2	1.0	0.7	0.9	0.6	3.2	3.7	2.9	2.0	1.3	0.7	0.8	0.8	1.0	0.7	0.7	1.2	3.7	0.6	
5	0.4	0.3	0.3	0.9	0.9	0.2	0.4	0.2	0.8	1.3	1.8	2.1	1.9	1.6	1.5	0.8	1.8	1.4	2.5	1.7	0.5	ND	ND	ND	1.1	2.5	0.2	
6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.4	2.2	4.6	5.4	6.9	1.8	2.4	3.8	2.3	1.9	2.7	3.2	1.1	3.6	3.0	6.9	0.4	
7	3.8	7.4	7.7	8.9	6.5	5.8	6.4	6.2	2.5	2.4	6.0	6.7	6.9	5.4	3.6	4.0	2.3	1.5	2.0	1.9	1.7	1.3	1.3	1.4	4.3	8.9	1.3	
8	0.9	1.4	1.6	1.2	1.7	1.7	1.7	2.1	1.7	1.3	1.3	0.9	1.2	3.2	2.7	2.1	1.9	2.8	5.0	3.1	1.5	1.8	1.7	2.1	1.9	5.0	0.9	
9	1.9	1.4	1.1	1.1	0.9	0.8	1.5	1.2	1.1	0.8	1.3	1.3	3.4	4.1	2.9	1.9	3.4	3.1	2.6	2.2	2.8	2.6	1.6	1.6	1.9	4.1	0.8	
10	1.6	1.3	1.6	1.2	1.0	0.8	1.2	1.3	1.5	1.4	1.0	1.3	1.2	1.1	1.4	2.8	3.2	5.8	4.2	3.4	4.1	5.7	4.6	2.3	2.3	5.8	0.8	
11	1.5	3.2	2.5	5.5	7.9	9.4	4.1	5.0	3.4	2.5	1.6	2.4	3.2	4.8	3.4	2.7	3.9	2.8	3.1	3.6	3.0	5.1	3.6	5.0	3.9	9.4	1.5	
12	1.6	2.4	5.8	4.3	3.3	4.9	4.1	1.7	2.2	4.1	3.3	2.2	5.0	6.0	7.8	7.1	4.0	3.1	5.1	2.8	2.4	2.1	2.0	1.7	3.7	7.8	1.6	
13	1.3	1.4	2.6	4.7	2.3	2.1	2.4	1.6	1.1	0.7	1.5	4.0	6.2	4.4	4.9	4.9	4.9	4.7	4.8	5.1	6.1	5.6	5.9	5.5	3.7	6.2	0.7	
14	6.2	6.9	6.3	5.3	6.7	6.3	6.3	7.8	6.1	4.5	4.2	4.8	4.3	4.8	5.4	4.8	3.2	2.8	3.2	3.6	3.3	2.4	3.1	2.8	4.8	7.8	2.4	
15	3.3	2.7	1.5	0.9	0.8	0.9	0.4	1.6	0.9	0.6	1.0	2.9	3.2	2.9	3.6	1.8	2.9	3.2	4.1	Pw	Pw	Pw	Pw	Pw	2.1	4.1	0.4	
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	1.6	0.9	0.6	0.8	1.4	1.1	1.0	1.0	0.6	0.4	0.3	0.9	1.6	0.3	
18	0.4	0.4	0.6	0.6	0.4	0.4	0.6	0.9	1.0	0.9	0.8	1.0	2.9	1.9	2.0	1.6	1.0	1.5	1.8	2.2	1.3	1.6	1.3	1.3	1.2	2.9	0.4	
19	0.9	0.9	0.8	0.6	0.5	0.7	0.9	1.0	0.9	0.7	Au	Au	Au	Au	2.8	2.5	2.7	2.0	1.5	2.3	1.7	1.1	2.7	4.4	1.6	4.4	0.5	
20	2.8	3.3	2.6	2.7	3.8	1.8	2.1	3.2	3.0	1.5	1.1	0.9	0.9	3.9	5.7	5.3	3.3	2.0	1.8	2.0	3.1	2.7	1.9	1.0	2.6	5.7	0.9	
21	4.8	3.6	2.6	2.1	2.1	1.8	1.7	1.2	1.8	6.8	8.1	9.0	11.0	10.2	7.9	7.5	8.4	6.1	5.8	6.0	5.5	3.3	1.2	0.7	5.0	11.0	0.7	
22	1.5	1.5	1.2	0.9	1.6	2.6	5.9	3.3	6.3	4.7	4.6	5.5	7.0	6.3	5.9	5.3	4.7	4.7	3.5	3.0	2.3	3.0	2.1	1.5	3.7	7.0	0.9	
23	0.8	1.0	1.1	0.7	0.6	0.5	0.4	0.6	0.4	0.4	0.3	0.6	0.8	0.7	1.0	1.9	1.1	1.5	1.4	1.4	1.2	1.2	1.2	1.4	0.9	1.9	0.3	
24	0.9	1.7	3.0	2.6	1.6	1.6	3.0	1.6	3.5	2.4	1.0	1.7	1.4	1.9	2.2	1.5	1.8	1.5	0.8	3.2	1.7	1.8	1.4	2.6	1.9	3.5	0.8	
25	1.4	2.7	1.6	3.9	4.7	4.2	4.2	5.4	5.5	5.0	6.1	5.7	4.0	4.8	4.9	4.1	1.5	1.4	0.6	0.7	0.6	0.4	0.4	0.5	3.1	6.1	0.4	
26	0.4	0.3	0.3	0.4	0.2	0.4	0.4	0.3	0.4	0.4	0.7	1.9	5.1	5.2	2.2	0.8	1.0	1.6	1.5	0.6	0.7	0.7	0.9	0.9	1.1	5.2	0.2	
27	0.8	0.6	0.6	0.7	1.6	4.0	4.3	4.0	4.6	4.4	3.9	4.4	6.2	4.6	4.2	1.8	0.7	1.1	2.3	2.4	2.2	2.8	2.5	3.2	2.8	6.2	0.6	
28	2.9	1.9	2.0	1.7	0.8	0.7	0.3	0.2	0.5	1.3	3.2	4.4	4.4	4.3	6.3	7.7	6.3	4.4	4.1	4.0	5.4	4.6	5.6	3.4	3.3	7.7	0.2	
29	1.1	0.7	1.2	0.8	1.2	1.4	1.1	1.0	0.7	0.8	1.7	0.8	1.1	2.6	2.5	1.1	1.4	1.1	1.1	1.1	1.2	1.7	1.1	1.2	1.2	2.6	0.7	
30	0.7	0.7	0.8	0.5	0.5	0.5	0.6	0.9	0.6	0.5	0.5	0.5	0.9	0.5	0.8	1.0	1.3	1.2	1.1	1.3	0.9	1.0	1.2	1.3	0.8	1.3	0.5	
31	1.3	2.4	3.1	2.3	1.3	1.0	1.3	0.7	0.9	1.0	1.0	2.0	1.6	1.2	0.8	1.3	1.9	1.7	2.2	2.1	1.2	1.3	1.0	1.3	1.5	3.1	0.7	
Avg	1.9	2.1	2.3	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.4	2.9	3.5	3.7	3.6	3.0	2.7	2.5	2.5	2.5	2.3	2.4	2.2	2.2	2.5	5.4	0.7	
Max	6.4	7.4	7.7	8.9	9.8	9.4	6.4	8.2	9.5	9.1	8.5	9.0	11.0	10.2	7.9	7.7	8.4	6.1	5.8	6.0	6.1	6.6	8.1	6.5	5.5	11.0	2.4	
Min	0.4	0.3	0.3	0.4	0.2	0.2	0.3	0.2	0.4	0.4	0.3	0.5	0.6	0.5	0.6	0.6	0.7	1.1	0.6	0.6	0.5	0.4	0.4	0.3	0.8	1.3	0.2	

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

Day	<< Hour >>																								Prev
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	315	317	299	281	291	297	299	305	323	306	285	285	85	315	258	267	278	267	270	266	262	268	264	272	287
2	263	258	287	225	234	242	281	296	303	328	344	357	348	358	334	338	345	303	269	285	310	38	75	58	311
3	104	82	132	121	121	135	183	110	145	336	272	272	278	288	284	262	272	286	166	87	63	71	66	32	121
4	35	54	49	17	84	42	134	110	284	279	278	279	281	304	306	301	297	276	279	298	301	304	331	62	323
5	70	56	26	336	81	122	32	13	316	286	307	305	297	305	306	302	303	299	296	18	85	81	66	105	357
6	42	118	90	79	68	65	72	52	50	308	264	270	267	278	292	292	289	285	285	294	304	35	90	96	353
7	118	101	95	60	106	43	21	80	319	350	Au	Au	Au	Au	298	271	273	253	230	83	75	74	114	105	66
8	115	129	46	5	119	157	127	142	264	77	292	285	287	295	308	319	331	354	77	76	112	335	347	4	17
9	313	107	347	75	97	29	121	220	169	153	155	155	150	150	152	153	153	148	153	159	160	167	170	145	146
10	97	101	55	106	34	130	138	155	343	345	354	271	263	296	298	272	253	242	92	78	80	104	131	178	91
11	162	67	55	110	51	110	74	55	109	75	231	258	252	266	221	217	255	274	301	289	277	292	295	273	264
12	301	302	306	295	325	315	317	302	334	320	332	338	285	306	88	123	302	263	271	321	96	98	96	171	315
13	84	118	96	101	78	143	147	201	141	92	284	256	259	261	271	269	261	190	117	108	132	118	115	124	147
14	106	92	100	110	100	102	99	91	95	101	169	197	193	191	181	170	177	196	164	100	79	58	110	76	125
15	106	101	113	114	127	107	104	138	148	136	147	171	188	196	201	213	259	292	264	256	264	261	259	280	180
16	273	270	276	274	276	281	310	287	320	289	280	247	250	248	248	233	222	171	120	102	109	116	100	89	254
17	104	138	109	133	129	148	153	152	173	108	164	169	164	174	173	172	167	140	115	130	116	113	122	132	142
18	100	84	106	19	137	115	103	149	57	10	273	258	273	273	261	266	278	279	275	139	117	86	99	69	108
19	92	30	118	188	113	73	61	100	231	288	133	158	212	238	213	180	189	139	88	84	85	84	67	57	122
20	114	110	123	105	90	119	81	123	131	95	166	195	205	215	207	207	202	148	92	123	113	339	142	153	138
21	151	129	127	98	78	101	132	154	151	120	128	156	188	291	296	273	283	272	295	85	102	164	234	284	156
22	312	23	185	198	89	124	132	126	158	155	207	227	229	217	222	209	193	134	115	124	131	49	279	190	169
23	152	163	187	167	162	146	175	157	120	227	202	217	225	219	222	214	218	240	240	271	239	228	186	262	202
24	266	228	184	210	276	101	56	293	291	264	284	292	255	256	250	219	183	54	61	287	138	131	136	122	232
25	129	114	119	110	129	122	125	130	127	182	162	145	161	165	208	201	167	185	193	195	172	153	63	266	154
26	245	205	205	200	219	249	282	287	270	278	280	265	258	261	267	261	260	275	270	257	258	259	266	265	257
27	275	267	253	255	281	299	300	309	298	285	265	270	268	262	310	303	293	297	287	278	143	135	169	168	273
28	141	106	96	92	39	74	109	141	158	332	293	264	263	255	270	264	223	104	94	90	92	88	147	85	116
29	106	91	127	219	193	215	301	259	263	260	258	269	263	267	282	277	284	279	294	94	116	113	66	62	248
30	44	127	68	22	115	104	131	175	133	124	111	164	158	151	141	133	131	134	152	129	133	123	161	164	130
31	152	159	162	133	114	151	168	168	117	137	107	162	158	198	190	179	204	73	114	92	142	99	84	84	140
Prev	108	107	107	118	106	115	110	145	178	315	245	241	238	253	251	241	246	242	207	108	121	97	115	115	176

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

Day	<< Hour >>																								Prev
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	85	112	95	86	144	32	120	143	346	153	132	144	148	128	134	119	177	247	196	30	83	63	117	126	119
2	132	154	116	152	176	179	255	274	265	279	276	287	278	278	273	275	270	278	280	278	272	268	274	251	255
3	247	246	124	130	89	93	109	156	19	4	283	255	263	268	266	267	271	263	256	123	147	150	123	135	200
4	95	89	142	157	131	38	115	131	138	153	195	189	217	229	246	207	206	240	240	243	254	249	260	274	194
5	272	260	260	256	272	271	266	279	269	270	273	265	259	264	284	264	255	234	231	352	81	82	112	107	264
6	152	155	150	146	145	122	134	160	123	109	128	142	156	147	162	160	202	210	217	223	223	225	237	271	168
7	280	278	293	284	290	283	274	263	262	270	276	268	261	247	240	258	260	265	271	145	107	92	81	100	265
8	85	131	82	95	118	145	133	358	90	315	278	283	273	272	260	258	266	259	300	285	275	324	333	288	286
9	283	286	268	290	296	292	256	245	211	235	288	265	285	278	277	275	278	282	297	333	339	359	353	345	287
10	347	332	342	331	274	305	294	296	304	232	288	284	286	278	342	16	354	354	6	359	10	18	5	348	327
11	350	348	8	346	346	347	317	289	298	278	251	264	288	270	254	275	339	335	333	299	307	230	153	170	303
12	120	160	146	158	140	158	170	116	176	355	171	175	180	178	169	153	163	164	143	108	125	73	43	95	144
13	22	79	136	137	131	185	141	90	168	20	331	318	329	182	183	178	188	164	125	153	124	145	75	160	138
14	133	135	86	76	45	63	296	325	144	346	292	271	296	265	270	252	289	344	339	337	308	330	316	317	321
15	314	313	281	255	225	114	83	85	86	350	328	287	278	272	278	266	253	302	132	105	73	51	14	3	322
16	26	13	275	306	346	16	19	281	281	288	285	281	293	306	304	299	298	329	334	305	336	139	149	129	315
17	268	152	106	66	38	53	17	194	320	258	348	339	336	287	278	360	351	99	64	53	59	67	58	64	25
18	75	17	81	320	32	20	41	30	45	335	128	300	287	283	276	283	309	23	61	48	61	75	119	110	25
19	86	70	40	91	107	98	118	136	166	305	288	359	299	295	297	298	5	112	81	65	42	15	32	23	44
20	114	75	126	148	134	78	113	165	109	3	73	53	334	267	272	263	240	232	112	166	250	262	252	257	167
21	265	272	265	270	270	324	244	237	237	253	229	241	237	249	264	246	229	197	117	144	177	179	177	200	233
22	185	136	158	173	200	195	208	209	242	257	255	262	258	270	269	277	282	277	277	279	281	278	279	286	246
23	266	279	289	277	281	293	289	303	291	280	277	275	277	280	279	273	258	272	277	263	266	272	265	266	277
24	289	300	292	297	320	308	286	287	305	316	277	277	281	270	274	264	271	269	259	249	258	260	131	127	279
25	127	61	242	271	268	280	281	287	280	301	308	299	310	318	330	316	299	268	241	201	202	119	86	201	277
26	62	75	46	317	357	ND	ND	ND	ND	ND	ND	ND	328	279	26	346	357	116	131	109	52	41	115	37	39
27	125	38	163	57	83	72	137	82	80	8	260	227	224	214	279	36	134	180	200	142	151	182	198	190	148
28	204	206	203	190	196	203	201	213	210	211	222	227	233	235	231	222	253	253	224	243	231	222	222	230	220
29	239	256	290	310	302	270	271	298	279	261	277	276	285	282	294	267	261	255	273	272	283	251	287	286	276
30	230	121	169	48	145	300	94	135	317	88	37	63	279	262	348	68	117	115	115	109	117	195	132	171	115
Prev	153	98	156	240	174	5	200	229	256	296	274	271	274	262	271	270	265	254	242	231	257	182	114	195	261

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

Day	<< Hour >>																								Prev
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	165	158	154	148	142	142	143	144	120	139	282	74	123	34	356	287	265	279	291	271	276	280	282	279	202
2	269	266	254	280	276	288	292	278	283	282	279	275	258	258	269	271	232	133	91	68	57	71	134	95	271
3	156	132	136	128	142	144	115	143	135	168	204	185	341	324	306	68	52	121	101	83	108	134	165	162	131
4	192	120	200	120	291	274	311	56	254	315	341	318	309	263	274	268	311	328	31	165	75	285	89	151	292
5	224	147	283	85	76	98	103	95	141	132	91	103	84	67	63	44	115	84	97	123	159	ND	ND	ND	103
6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	148	154	200	197	224	130	103	277	302	277	220	239	349	285	222
7	270	262	267	272	269	269	268	283	16	32	280	268	271	270	247	259	265	183	151	64	68	99	102	151	264
8	141	135	142	118	96	143	135	134	143	152	92	327	85	256	260	293	135	93	87	100	129	130	128	128	127
9	114	107	97	129	55	119	101	145	157	179	168	43	119	160	188	135	79	74	91	67	78	82	128	77	111
10	138	85	83	143	189	92	143	149	156	134	50	243	76	358	121	95	98	87	97	104	101	85	79	108	108
11	14	151	190	175	184	171	108	167	122	80	84	107	132	152	125	122	123	100	201	150	108	84	108	193	133
12	68	144	177	174	139	80	145	23	59	204	219	183	152	161	196	220	240	150	87	120	128	99	97	320	144
13	329	82	79	92	66	119	108	102	151	134	350	291	263	268	273	282	285	287	285	307	302	303	306	307	311
14	321	319	320	319	338	344	338	325	320	323	345	349	359	6	357	3	331	323	327	331	311	288	276	299	329
15	314	307	292	147	194	137	39	118	125	8	358	159	162	172	185	167	142	101	87	Pw	Pw	Pw	Pw	Pw	137
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	300	303	303	197	119	115	123	135	156	131	70	137
18	142	133	162	143	253	100	199	128	149	34	32	101	145	139	209	216	103	90	100	101	127	125	135	135	132
19	116	136	93	315	80	120	161	116	141	173	Au	Au	Au	Au	241	199	204	194	165	238	262	155	285	261	176
20	273	272	213	287	259	97	131	88	109	107	46	268	329	250	209	207	173	96	139	160	123	113	131	334	165
21	159	179	154	173	142	141	178	123	258	267	256	269	274	276	268	276	283	266	270	273	285	272	332	58	243
22	89	82	78	131	36	336	323	303	290	295	297	299	285	298	290	292	295	296	318	315	312	297	302	309	313
23	321	139	132	180	169	48	172	137	106	104	134	116	56	24	104	79	103	99	128	154	161	145	141	156	123
24	261	117	84	106	114	40	83	59	84	99	308	108	55	57	71	23	63	111	83	347	288	299	348	25	60
25	285	360	94	317	307	310	323	328	330	338	335	338	286	271	270	271	218	107	325	151	145	120	176	161	302
26	109	310	114	148	2	130	146	63	117	165	221	290	259	282	235	150	101	104	98	124	128	105	154	76	130
27	347	79	41	168	274	264	263	257	264	265	274	267	267	267	279	280	345	174	74	85	97	109	125	140	261
28	146	107	86	85	38	271	230	146	169	304	285	289	289	303	333	318	322	360	354	350	334	317	324	327	325
29	331	292	207	172	180	245	322	147	294	293	303	244	170	270	264	172	247	262	232	317	143	131	104	106	235
30	51	74	75	88	83	131	67	122	248	102	130	173	151	289	179	22	20	327	351	345	340	2	352	44	57
31	11	63	71	43	9	329	130	309	180	321	345	186	251	334	269	220	46	21	47	58	350	359	318	13	2
Prev	156	120	129	140	121	119	137	117	153	139	317	247	232	281	252	251	151	101	80	89	110	107	107	89	134

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

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

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	27	24	33	46	40	76	80	81	44	90	25	14	16	15	12	13	90	85	78	51	17	91	42	38	47	91	12
2	86	75	45	83	42	15	28	12	13	9	13	14	14	14	10	10	10	10	10	12	13	11	11	25	24	86	9
3	9	33	23	41	27	42	39	77	67	60	47	17	18	16	14	11	10	10	50	22	22	76	40	62	35	77	9
4	66	68	44	51	79	87	50	34	16	16	36	41	11	11	20	70	16	10	22	13	20	16	15	14	34	87	10
5	11	10	10	9	11	12	11	12	14	14	15	12	12	13	11	14	19	19	35	79	24	52	48	62	22	79	9
6	41	53	42	24	36	22	30	77	54	26	13	18	10	9	25	21	17	7	9	8	8	12	12	11	24	77	7
7	11	14	12	13	13	9	10	14	21	13	16	19	20	14	11	12	9	11	14	39	60	48	51	52	21	60	9
8	88	69	75	74	78	78	91	86	81	45	22	15	13	12	12	14	16	19	14	8	58	35	42	13	44	91	8
9	15	18	12	9	9	17	16	37	43	16	22	28	17	11	11	13	16	12	12	14	15	21	20	15	17	43	9
10	14	9	17	53	11	12	8	29	33	54	29	31	16	14	33	12	21	20	15	16	13	9	14	14	21	54	8
11	17	14	12	12	9	25	13	17	18	27	11	15	21	16	9	15	23	23	19	17	14	53	22	23	19	53	9
12	67	14	24	12	30	17	39	80	53	64	37	27	20	18	19	9	7	7	24	66	27	39	55	40	33	80	7
13	86	74	43	28	47	77	50	82	75	78	30	25	40	24	26	16	19	49	32	31	95	46	70	75	51	95	16
14	50	59	91	90	92	95	65	83	45	89	30	27	14	20	24	14	90	65	29	27	8	19	14	25	49	95	8
15	6	5	34	25	68	28	38	33	32	82	55	14	15	16	11	12	13	56	71	39	69	65	59	38	37	82	5
16	22	40	80	15	28	28	82	10	11	6	7	8	15	10	10	9	8	29	32	19	52	21	48	70	28	82	6
17	89	35	58	84	62	75	64	86	82	91	74	41	70	17	24	45	58	20	59	28	42	54	50	76	58	91	17
18	62	52	89	102	74	86	64	49	32	57	59	34	27	7	10	24	24	67	23	19	15	27	27	31	44	102	7
19	46	37	64	56	74	71	38	49	41	52	42	42	21	9	8	12	79	33	41	28	42	40	55	55	43	79	8
20	33	92	47	58	89	65	76	65	78	72	100	92	72	19	17	11	29	22	64	80	16	11	24	28	53	100	11
21	13	12	10	14	22	28	18	11	16	29	22	17	16	16	14	12	14	50	70	15	62	19	11	14	22	70	10
22	40	35	26	21	11	12	14	12	32	15	12	13	16	14	12	12	11	11	9	9	10	9	10	13	16	40	9
23	8	11	14	24	14	17	10	8	29	13	9	11	11	10	9	11	13	13	11	10	11	21	10	12	13	29	8
24	11	10	9	10	9	12	14	10	7	38	11	12	11	14	11	16	13	12	12	12	12	34	55	53	17	55	7
25	61	53	41	14	12	13	11	10	9	13	11	11	18	12	27	12	15	19	20	37	39	34	65	95	27	95	9
26	35	15	46	21	17	ND	ND	ND	ND	ND	ND	ND	41	95	66	25	94	65	23	37	60	48	41	66	47	95	15
27	71	96	58	75	44	80	66	45	50	99	51	12	31	67	61	78	51	45	51	50	17	27	14	13	52	99	12
28	16	14	10	12	13	11	9	14	27	9	10	11	11	12	13	12	26	35	12	17	18	10	9	10	14	35	9
29	10	9	22	30	11	16	22	21	44	30	21	21	18	23	14	21	23	16	31	46	25	21	57	30	24	57	9
30	86	60	60	94	23	70	62	40	40	88	95	30	30	20	84	40	20	31	16	28	23	55	28	37	48	95	16
Avg	40	37	38	40	37	41	39	41	38	45	32	23	22	19	21	20	28	29	30	29	30	34	34	37	33	76	10
Max	89	96	91	102	92	95	91	86	82	99	100	92	72	95	84	78	94	85	78	80	95	91	70	95	58	102	17
Min	6	5	9	9	9	9	8	8	7	6	7	8	10	7	8	9	7	7	9	8	8	9	9	10	13	29	5

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

Day	<< Hour >>																								Avg	Max	Min	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
1	18	18	13	12	13	22	21	51	24	44	89	74	40	59	27	26	31	26	44	11	14	10	9	9	29	89	9	
2	11	18	9	16	11	12	7	10	8	9	12	11	10	10	11	11	47	36	41	30	46	27	49	52	21	52	7	
3	49	42	34	25	28	24	27	17	26	26	77	91	56	25	37	82	72	33	39	53	74	36	36	31	43	91	17	
4	54	86	91	88	70	96	68	92	93	59	54	52	50	28	14	14	30	33	54	22	42	64	58	32	56	96	14	
5	55	49	68	21	54	55	63	86	34	38	33	27	11	19	48	67	22	58	24	26	23	ND	ND	ND	42	86	11	
6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	73	51	24	13	10	53	64	28	21	37	28	21	73	19	37	73	10	
7	28	11	10	10	10	9	9	12	81	83	12	11	14	15	21	13	45	32	38	41	47	62	45	22	28	83	9	
8	53	41	23	60	53	27	24	17	17	49	66	43	62	48	10	45	80	30	11	19	33	20	22	19	36	80	10	
9	24	53	44	30	75	81	54	53	42	68	63	73	45	10	23	55	36	43	45	62	43	40	27	83	49	83	10	
10	83	77	85	82	74	73	41	40	20	43	78	100	67	69	84	41	14	8	21	35	21	12	32	32	51	100	8	
11	51	23	53	14	10	13	28	23	41	19	30	31	13	13	30	27	55	24	63	66	37	10	30	14	30	66	10	
12	95	57	19	24	26	14	56	70	44	35	10	33	14	14	14	18	14	87	7	40	26	42	50	51	36	95	7	
13	86	88	51	10	75	40	36	53	48	66	74	19	8	13	12	10	13	9	7	10	10	9	10	12	32	88	7	
14	9	8	9	10	10	11	11	11	9	13	20	15	21	20	22	13	15	6	8	10	8	13	9	17	12	22	6	
15	13	7	43	77	50	40	79	23	45	80	74	55	17	13	16	16	14	13	7	Pw	Pw	Pw	Pw	Pw	36	80	7	
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	16	19	20	91	29	34	41	34	51	65	87	44	91	16	
18	58	81	60	79	89	99	95	86	45	64	66	51	27	15	34	67	54	40	20	20	26	25	76	55	56	99	15	
19	63	61	87	88	71	49	33	74	61	80	Au	Au	Au	Au	36	27	23	46	36	20	37	66	23	16	50	88	16	
20	18	23	14	60	14	75	60	35	32	53	43	100	75	68	11	14	24	38	69	51	18	28	29	90	43	100	11	
21	17	21	17	26	16	22	57	50	36	15	10	12	11	10	10	14	11	10	8	9	8	15	64	85	23	85	8	
22	39	48	33	64	63	26	12	12	8	7	6	8	8	10	9	9	10	8	11	14	17	18	15	26	20	64	6	
23	78	70	39	78	77	45	85	48	73	74	67	82	54	80	71	33	61	56	63	52	83	67	66	45	64	85	33	
24	90	50	34	27	65	44	12	65	17	42	69	31	64	37	35	37	34	15	76	33	33	26	31	55	43	90	12	
25	99	34	101	35	11	11	12	9	9	15	7	8	22	8	12	15	47	40	88	37	39	62	58	56	35	101	7	
26	68	93	71	60	94	47	99	90	59	78	58	34	11	6	61	73	69	33	35	89	74	69	37	65	61	99	6	
27	78	87	93	78	48	12	9	12	12	10	14	13	11	11	16	30	53	82	19	11	9	17	12	8	31	93	8	
28	9	26	7	7	55	12	15	21	83	48	20	18	9	9	9	18	15	21	12	11	8	7	5	19	19	83	5	
29	30	97	50	91	36	35	49	68	90	37	8	47	32	17	38	78	80	50	42	44	52	16	48	45	49	97	8	
30	70	79	54	87	74	44	95	64	89	55	32	64	56	76	77	46	61	34	30	45	60	43	42	65	60	95	30	
31	40	22	12	23	43	41	89	60	92	36	20	44	24	97	54	55	56	62	37	46	36	37	52	56	47	97	12	
Avg	50	49	44	46	47	39	45	45	44	45	42	43	31	29	29	34	41	34	34	34	34	33	38	42	39	85	11	
Max	99	97	101	91	94	99	99	92	93	83	89	100	75	97	84	82	91	87	88	89	83	69	76	90	64	101	33	
Min	9	7	7	7	10	9	7	9	8	7	6	8	8	6	9	9	10	6	7	9	8	7	5	8	12	22	5	

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	2.7	2.6	2.8	3.0	3.1	2.9	2.5	2.1	3.0	3.9	4.9	4.4	3.7	5.7	7.1	7.3	7.2	6.7	5.5	4.7	3.9	3.6	3.0	3.1	4.1	7.3	2.1
2	3.2	2.8	1.7	2.3	3.9	4.1	2.9	0.6	-0.2	-0.4	-0.4	-0.9	-0.3	-0.5	-0.5	-1.0	-1.2	-1.4	-2.3	-2.9	-3.1	-4.0	-5.3	-5.8	-0.4	4.1	-5.8
3	-6.8	-7.2	-8.2	-8.5	-9.0	-9.3	-9.6	-8.3	-4.4	0.5	3.5	5.0	6.7	8.1	9.1	10.1	10.1	9.4	5.5	1.0	0.0	-1.0	-2.2	-2.4	-0.3	10.1	-9.6
4	-2.6	-2.9	-2.5	-1.9	-1.2	-1.1	0.4	2.7	9.5	11.8	13.0	14.2	15.3	16.2	16.3	16.3	15.9	15.0	13.9	13.0	12.4	11.9	10.0	8.1	8.5	16.3	-2.9
5	6.1	5.3	6.4	6.5	5.5	2.5	1.9	3.2	9.7	11.7	12.3	13.3	14.2	15.0	15.4	15.6	14.8	14.3	13.3	10.2	6.2	3.1	2.3	1.1	8.7	15.6	1.1
6	0.2	0.0	-0.7	-0.4	1.2	3.8	3.6	4.0	9.0	13.4	14.1	15.8	17.4	18.2	18.6	18.4	18.1	17.0	15.4	14.8	14.2	12.0	10.9	10.8	10.4	18.6	-0.7
7	10.4	6.8	4.6	3.9	3.5	3.1	3.0	3.9	7.4	13.0	Au	Au	Au	Au	18.4	18.6	18.5	17.2	13.4	10.6	9.7	8.0	5.5	4.4	9.2	18.6	3.0
8	2.5	2.1	0.9	1.1	1.4	0.9	0.5	1.1	4.1	10.1	14.9	15.0	15.4	16.2	16.8	16.8	16.5	14.3	10.2	8.8	6.8	6.4	5.4	5.3	8.1	16.8	0.5
9	5.4	6.2	4.9	5.4	5.3	4.5	4.3	3.6	7.6	10.5	11.6	12.6	13.1	13.2	13.4	13.0	12.0	10.6	8.8	8.0	6.8	5.8	5.2	3.9	8.2	13.4	3.6
10	2.8	1.2	-0.2	-1.5	-2.0	-2.2	-2.5	-2.7	0.9	6.5	10.7	12.8	13.8	14.6	15.1	15.6	15.4	13.6	8.9	5.4	4.1	2.2	0.9	0.3	5.6	15.6	-2.7
11	-0.8	-1.7	-2.0	-1.7	-1.5	-0.2	-0.1	0.8	2.5	7.5	12.3	12.9	12.4	12.1	12.0	12.6	12.8	10.1	7.0	5.9	5.8	4.8	4.8	4.6	5.5	12.9	-2.0
12	4.4	4.2	3.8	4.1	3.8	3.2	2.4	2.6	2.4	3.4	4.1	4.9	5.7	5.2	4.9	5.9	5.0	5.7	5.1	3.6	1.2	-0.2	-1.7	-2.3	3.4	5.9	-2.3
13	-3.4	-3.7	-3.9	-4.5	-4.9	-5.2	-5.2	-3.8	-0.2	3.9	7.1	8.8	9.8	10.7	10.2	10.8	11.2	9.0	5.1	3.8	3.3	3.5	3.2	3.3	2.9	11.2	-5.2
14	4.0	5.6	5.0	6.1	5.6	5.6	4.5	5.7	9.4	12.3	14.3	15.5	16.8	17.3	17.6	17.7	16.5	15.3	10.9	7.7	5.5	4.5	3.4	3.8	9.6	17.7	3.4
15	3.2	3.4	3.8	5.2	6.6	6.8	6.4	6.9	8.5	12.4	15.7	17.0	18.0	18.3	18.5	17.3	14.3	9.1	6.4	5.1	5.2	4.8	4.7	5.0	9.3	18.5	3.2
16	5.0	4.8	4.4	4.3	4.1	3.8	3.3	3.4	4.4	5.5	6.6	7.5	7.7	8.0	8.5	8.1	7.7	6.5	4.0	3.5	2.1	0.6	-0.6	-1.4	4.7	8.5	-1.4
17	-2.6	-3.9	-4.3	-5.0	-4.9	-5.1	-5.1	-5.1	-1.1	5.3	9.2	10.4	11.3	12.0	12.6	12.7	12.7	10.2	8.3	6.2	4.6	3.0	2.3	0.7	3.5	12.7	-5.1
18	0.0	0.3	-1.3	-1.3	-1.5	-1.1	-0.8	-0.6	0.9	7.1	12.4	13.1	13.8	13.5	14.2	14.8	14.2	12.8	10.9	7.2	5.5	3.3	2.3	0.8	5.9	14.8	-1.5
19	-0.5	-1.1	-1.6	-2.5	-2.8	-2.6	-2.9	-2.6	0.7	6.9	12.5	14.8	16.2	17.1	17.5	17.7	17.0	11.6	6.6	4.3	3.4	2.6	1.4	0.2	5.6	17.7	-2.9
20	-0.7	-1.5	-1.4	-1.4	-2.0	-2.1	-2.2	-1.4	3.8	12.3	16.3	17.8	18.6	19.5	19.8	19.8	19.1	14.2	10.9	7.6	6.3	5.2	5.9	4.7	7.9	19.8	-2.2
21	2.8	2.5	3.2	3.8	2.4	2.5	2.3	3.0	4.5	8.7	10.6	12.9	14.4	7.9	8.3	6.2	3.6	1.9	0.5	1.1	2.0	2.1	2.4	2.5	4.7	14.4	0.5
22	2.2	2.3	1.4	0.8	0.0	-0.2	-0.5	-0.2	0.9	3.5	5.6	6.7	7.5	8.3	8.9	9.3	8.9	5.9	3.5	2.1	0.5	-0.7	0.3	3.2	3.3	9.3	-0.7
23	4.5	4.8	6.6	7.4	6.5	7.0	7.0	7.6	8.6	10.1	10.3	11.2	12.2	12.5	12.5	12.3	12.3	11.6	10.0	9.7	8.4	7.3	6.4	6.4	8.9	12.5	4.5
24	5.4	5.1	4.2	4.1	6.1	5.7	5.5	5.3	5.6	6.0	6.5	6.9	7.6	8.0	8.4	8.1	7.6	7.0	6.2	5.5	5.4	4.0	2.3	1.6	5.8	8.4	1.6
25	0.2	2.1	2.7	2.8	2.0	0.9	-0.1	-0.3	2.3	7.6	13.0	15.0	16.5	17.1	18.0	17.3	16.0	16.1	15.9	15.3	12.4	8.1	8.3	11.1	9.2	18.0	-0.3
26	11.6	11.6	10.4	9.1	9.0	8.0	4.7	3.7	4.0	4.8	5.1	5.3	4.9	5.4	5.1	5.0	4.3	3.1	2.6	1.9	1.7	1.5	1.5	1.3	5.2	11.6	1.3
27	1.1	1.1	0.2	0.2	0.5	-0.1	-0.2	-0.5	-0.1	0.8	1.4	2.0	2.6	2.5	2.1	2.0	1.9	1.6	0.8	-0.3	-1.9	-2.1	-2.3	-3.3	0.4	2.6	-3.3
28	-4.2	-5.7	-7.1	-7.9	-8.5	-8.6	-9.1	-9.5	-6.4	-2.2	1.8	4.1	5.3	6.4	7.1	7.0	6.2	4.8	2.3	1.4	0.0	-1.0	-0.3	0.2	-1.0	7.1	-9.5
29	1.1	3.4	4.6	5.5	4.9	4.8	5.1	4.3	5.6	6.6	6.9	8.1	8.5	8.9	8.5	8.3	8.1	7.5	6.1	4.1	0.6	-1.6	-2.7	-3.5	4.7	8.9	-3.5
30	-4.4	-4.9	-5.4	-6.1	-5.5	-6.3	-5.9	-5.9	-3.9	1.9	7.1	9.1	10.1	10.3	11.0	11.2	9.5	8.4	7.5	7.1	6.7	6.6	6.5	5.9	2.9	11.2	-6.3
31	5.2	4.9	4.5	3.0	1.9	0.0	-1.1	-1.8	-1.1	3.1	11.4	13.8	14.7	15.8	16.1	15.3	13.8	10.9	7.4	5.7	5.7	4.4	2.4	1.0	6.5	16.1	-1.8
Avg	1.9	1.6	1.2	1.2	1.1	0.8	0.5	0.7	3.2	6.7	9.2	10.3	11.1	11.4	12.0	11.9	11.3	9.7	7.4	5.9	4.7	3.5	2.8	2.4	5.5	12.8	-1.4
Max	11.6	11.6	10.4	9.1	9.0	8.0	7.0	7.6	9.7	13.4	16.3	17.8	18.6	19.5	19.8	19.8	19.1	17.2	15.9	15.3	14.2	12.0	10.9	11.1	10.4	19.8	4.5
Min	-6.8	-7.2	-8.2	-8.5	-9.0	-9.3	-9.6	-9.5	-6.4	-2.2	-0.4	-0.9	-0.3	-0.5	-0.5	-1.0	-1.2	-1.4	-2.3	-2.9	-3.1	-4.0	-5.3	-5.8	-1.0	2.6	-9.6

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	0.3	-0.4	-1.1	-1.2	-1.0	-0.4	1.4	3.3	3.7	9.4	13.9	15.4	16.0	16.5	16.4	15.4	10.9	4.1	4.7	3.3	3.2	2.9	2.3	1.9	5.9	16.5	-1.2
2	1.7	0.9	1.8	2.5	2.9	2.3	0.9	0.6	0.4	-0.6	-0.5	-0.4	0.8	1.0	1.0	0.9	0.5	0.2	0.0	-0.2	-0.3	-0.6	-0.9	-1.6	0.6	2.9	-1.6
3	-2.4	-3.6	-4.8	-6.3	-7.2	-7.8	-8.1	-8.6	-6.8	-2.7	0.4	1.6	2.3	2.7	3.0	3.3	2.8	1.8	0.8	-0.4	-1.6	-2.8	-3.4	-3.6	-2.1	3.3	-8.6
4	-1.3	-1.2	-2.6	-2.7	-2.6	-1.8	-1.4	-0.2	0.6	2.0	3.3	4.1	5.0	5.9	6.0	5.4	5.5	5.6	5.6	5.5	5.2	5.2	5.4	5.8	2.6	6.0	-2.7
5	5.9	5.4	5.0	4.8	4.8	4.7	4.5	4.5	4.9	5.7	6.2	6.8	7.2	6.9	7.2	7.2	7.0	6.3	5.4	4.7	2.1	0.0	-0.7	-1.5	4.8	7.2	-1.5
6	-1.8	-1.7	-0.8	-0.5	0.1	0.3	0.9	2.5	2.8	5.2	8.5	9.7	10.7	11.7	12.5	12.3	12.4	11.1	11.6	12.4	12.1	11.7	11.7	10.0	6.9	12.5	-1.8
7	8.2	7.6	7.5	7.1	6.9	5.9	4.6	3.8	3.7	4.7	5.8	6.0	6.6	6.7	6.8	7.0	6.1	5.0	3.8	1.3	-0.9	-2.1	-2.7	-3.7	4.4	8.2	-3.7
8	-4.6	-4.6	-5.9	-5.9	-6.0	-6.1	-6.2	-5.2	-2.4	3.3	6.9	8.5	9.9	10.1	10.2	9.1	8.2	7.5	8.2	8.5	6.8	7.4	8.1	9.3	3.1	10.2	-6.2
9	9.0	8.5	8.0	7.7	7.2	6.7	5.8	5.9	6.0	8.6	8.8	8.4	8.8	7.7	6.4	6.1	4.9	2.7	-1.5	-4.5	-7.0	-9.0	-11.1	-12.4	3.4	9.0	-12.4
10	-13.1	-13.4	-13.4	-13.8	-14.8	-14.8	-15.6	-15.2	-14.8	-14.0	-13.2	-12.2	-10.8	-10.6	-10.8	-11.9	-12.5	-13.3	-14.5	-15.7	-16.8	-18.1	-18.8	-19.5	-14.2	-10.6	-19.5
11	-19.8	-20.2	-21.1	-21.8	-22.0	-22.7	-23.6	-23.9	-22.8	-21.2	-20.5	-19.8	-18.5	-18.5	-18.8	-19.0	-18.8	-19.9	-20.5	-20.9	-21.0	-22.0	-23.0	-22.6	-21.0	-18.5	-23.9
12	-21.8	-22.1	-22.8	-24.6	-24.7	-25.9	-26.4	-26.8	-25.1	-21.5	-18.2	-17.0	-15.9	-14.8	-14.2	-14.7	-16.4	-18.1	-19.5	-21.1	-22.7	-23.9	-24.5	-24.9	-21.1	-14.2	-26.8
13	-25.8	-26.0	-26.3	-26.6	-26.9	-27.1	-27.3	-27.4	-25.5	-20.4	-15.8	-12.5	-10.1	-8.6	-8.1	-8.5	-11.1	-14.3	-16.4	-18.1	-20.0	-21.1	-22.1	-22.2	-19.5	-8.1	-27.4
14	-22.7	-23.7	-23.8	-23.9	-23.2	-21.0	-19.4	-18.4	-17.0	-15.4	-14.2	-12.7	-12.9	-13.3	-14.0	-14.5	-14.7	-15.6	-16.3	-17.1	-18.2	-18.6	-18.4	-18.3	-17.8	-12.7	-23.9
15	-19.0	-20.0	-20.9	-21.3	-22.1	-22.9	-24.1	-24.8	-24.0	-20.9	-18.1	-16.0	-14.6	-13.0	-12.6	-12.5	-14.0	-15.6	-17.5	-19.0	-18.0	-18.2	-18.4	-17.7	-18.6	-12.5	-24.8
16	-17.2	-17.0	-14.8	-14.7	-13.9	-13.3	-12.6	-11.6	-11.0	-9.9	-9.1	-8.3	-6.9	-6.1	-5.9	-6.2	-7.0	-8.0	-7.3	-7.9	-9.7	-11.1	-14.2	-16.4	-10.8	-5.9	-17.2
17	-17.7	-18.2	-20.2	-21.6	-22.4	-22.8	-23.7	-23.7	-22.4	-17.9	-13.4	-8.7	-6.0	-5.1	-4.5	-4.1	-5.2	-9.4	-12.6	-12.8	-14.2	-15.5	-16.3	-16.4	-14.8	-4.1	-23.7
18	-17.2	-16.9	-16.1	-15.3	-14.2	-12.6	-10.3	-9.0	-8.0	-7.2	-4.5	-2.4	-0.6	0.3	0.4	-0.3	-0.5	-1.9	-2.9	-4.5	-5.5	-6.5	-8.8	-11.2	-7.3	0.4	-17.2
19	-12.4	-13.6	-14.2	-14.6	-15.6	-15.8	-15.8	-17.0	-16.4	-13.5	-9.0	-3.3	0.2	1.0	1.4	1.0	0.1	-4.9	-6.6	-7.6	-8.4	-8.8	-10.0	-10.6	-8.9	1.4	-17.0
20	-11.1	-12.5	-12.2	-12.8	-13.1	-12.3	-11.8	-12.1	-11.7	-8.7	-5.8	-2.2	4.1	5.3	5.0	4.2	2.9	1.1	-0.4	1.2	1.8	1.8	1.6	1.1	-4.0	5.3	-13.1
21	0.7	0.4	0.1	0.4	0.7	0.5	1.3	1.4	1.0	1.4	2.2	3.2	3.8	4.1	3.5	3.1	2.9	2.3	1.1	-0.8	0.3	2.1	2.5	2.9	1.7	4.1	-0.8
22	3.0	3.0	2.6	3.2	3.2	1.8	1.7	2.0	2.0	2.4	3.2	3.5	3.6	2.2	1.3	0.8	0.0	-0.4	-0.9	-1.2	-1.6	-2.1	-2.6	-3.3	1.1	3.6	-3.3
23	-2.8	-2.6	-3.1	-3.6	-3.4	-3.4	-4.2	-4.2	-3.9	-3.1	-2.3	-1.4	-0.8	-0.4	-0.7	-0.8	-1.3	-0.7	-0.6	-0.8	-0.8	-0.9	-1.2	-2.0	-2.0	-0.4	-4.2
24	-2.8	-3.2	-3.2	-3.1	-3.3	-3.0	-2.8	-3.4	-3.5	-3.6	-3.0	-2.1	-1.8	-0.7	-1.0	-1.7	-2.1	-2.1	-1.9	-1.9	-1.8	-2.8	-3.0	-3.2	-2.5	-0.7	-3.6
25	-3.6	-3.6	-2.2	-0.1	0.1	0.0	-0.2	-0.6	-0.5	-0.6	-1.0	-1.1	-1.4	-2.1	-2.9	-3.7	-4.6	-5.1	-5.4	-5.4	-5.5	-5.6	-5.6	-5.8	-2.8	0.1	-5.8
26	-5.8	-5.8	-5.9	-6.0	-6.0	-6.0	-5.9	-6.0	-5.9	-5.6	-5.1	-4.7	-4.3	-3.8	-3.3	-2.8	-2.3	-2.0	-1.7	-2.2	-2.2	-2.4	-2.8	-3.0	-4.2	-1.7	-6.0
27	-3.0	-3.3	-3.0	-3.0	-1.8	-2.8	-2.7	-1.8	-1.7	-1.2	1.1	5.5	5.4	5.4	7.0	8.3	6.1	5.7	7.3	7.5	6.4	6.3	6.8	6.6	2.5	8.3	-3.3
28	6.9	6.9	6.8	6.9	6.8	6.6	6.3	6.0	5.6	5.5	6.1	6.6	7.0	7.5	7.7	7.1	6.8	6.6	6.9	5.8	4.9	5.8	5.9	5.0	6.4	7.7	4.9
29	4.2	2.6	0.2	-4.3	-12.4	-15.4	-17.9	-21.3	-22.2	-22.7	-23.5	-23.3	-22.6	-22.8	-23.0	-23.1	-23.8	-25.0	-25.2	-24.7	-24.6	-24.9	-24.4	-23.9	-18.5	4.2	-25.2
30	-24.6	-26.2	-27.7	-28.5	-26.3	-25.2	-24.9	-24.3	-23.6	-22.3	-19.4	-15.0	-12.2	-11.7	-11.4	-11.3	-14.2	-17.8	-19.8	-20.5	-21.9	-22.1	-22.9	-22.4	-20.7	-11.3	-28.5
Avg	-7.0	-7.5	-7.8	-8.1	-8.3	-8.5	-8.6	-8.5	-8.0	-6.2	-4.3	-2.8	-1.6	-1.2	-1.2	-1.5	-2.4	-3.8	-4.5	-5.2	-6.0	-6.5	-7.0	-7.5	-5.6	0.3	-11.7
Max	9.0	8.5	8.0	7.7	7.2	6.7	6.3	6.0	6.0	9.4	13.9	15.4	16.0	16.5	16.4	15.4	12.4	11.1	11.6	12.4	12.1	11.7	11.7	10.0	6.9	16.5	4.9
Min	-25.8	-26.2	-27.7	-28.5	-26.9	-27.1	-27.3	-27.4	-25.5	-22.7	-23.5	-23.3	-22.6	-22.8	-23.0	-23.1	-23.8	-25.0	-25.2	-24.7	-24.6	-24.9	-24.5	-24.9	-21.1	-18.5	-28.5

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	-22.2	-21.9	-21.6	-21.1	-21.2	-19.8	-19.1	-19.7	-20.1	-17.6	-14.6	-9.8	-3.5	-2.9	-2.5	-1.7	-2.1	-2.5	-2.6	-2.0	-2.7	-3.0	-3.5	-4.4	-10.9	-1.7	-22.2
2	-5.0	-5.9	-6.5	-6.0	-5.6	-6.0	-6.7	-5.9	-5.8	-5.5	-4.9	-4.1	-3.8	-3.5	-3.4	-3.5	-4.6	-7.2	-10.5	-12.8	-14.3	-15.7	-16.6	-16.8	-7.5	-3.4	-16.8
3	-17.1	-17.8	-17.1	-15.7	-14.5	-14.0	-13.2	-13.2	-12.6	-11.0	-10.2	-8.2	-5.4	-1.5	1.4	1.8	-1.8	-4.9	-7.5	-8.2	-8.4	-9.1	-8.7	-8.4	-9.4	1.8	-17.8
4	-7.2	-6.2	-5.6	-4.1	-3.8	-2.7	-2.2	-1.6	-0.1	0.4	1.0	1.4	2.3	3.0	2.8	2.5	2.0	1.5	0.7	0.4	0.6	0.4	0.7	0.5	-0.6	3.0	-7.2
5	0.3	0.2	0.2	0.3	0.3	0.0	0.0	-0.1	0.2	0.7	1.4	2.0	2.7	3.2	3.1	2.5	2.1	1.6	1.2	0.2	-1.3	-2.5	-3.0	-3.8	0.5	3.2	-3.8
6	-3.8	-4.3	-4.6	-5.5	-5.0	-5.6	-5.5	-5.1	-5.3	-4.0	-2.6	3.1	7.2	7.4	4.8	3.5	3.3	3.6	3.2	2.1	1.9	2.0	1.8	2.4	-0.2	7.4	-5.6
7	2.3	2.7	2.7	2.6	2.5	2.3	2.1	1.8	0.7	1.4	2.7	3.0	3.2	3.5	3.6	3.4	2.3	0.3	-1.7	-4.1	-5.3	-7.0	-8.1	-8.4	0.4	3.6	-8.4
8	-9.3	-9.1	-9.4	-9.2	-8.8	-8.1	-7.7	-6.8	-6.3	-4.8	-3.0	-1.4	4.0	5.2	5.2	4.9	4.8	3.1	0.2	-1.5	-2.9	-4.1	-4.6	-5.4	-3.1	5.2	-9.4
9	-5.4	-6.5	-7.3	-7.5	-8.6	-8.1	-8.8	-8.7	-8.2	-6.0	-3.8	-0.4	5.7	8.0	7.9	5.6	3.6	1.4	0.2	-0.5	-0.7	-1.5	-2.2	-2.7	-2.3	8.0	-8.8
10	-3.0	-3.7	-3.4	-3.2	-3.9	-4.5	-4.4	-5.2	-4.4	-2.6	-1.1	1.9	3.9	4.8	6.2	5.2	3.1	2.3	1.7	0.7	0.0	0.5	0.0	-1.4	-0.4	6.2	-5.2
11	-1.5	0.2	2.9	5.9	7.5	7.1	6.4	6.0	6.1	6.9	7.3	7.4	7.8	8.4	8.5	7.8	7.6	4.4	4.9	6.0	4.6	3.6	4.1	7.8	5.7	8.5	-1.5
12	6.7	5.8	7.5	7.5	7.5	3.3	4.4	5.6	5.7	8.1	8.8	8.9	10.2	11.2	11.6	10.9	10.0	7.7	3.7	1.7	0.0	-0.6	-1.3	-1.3	6.0	11.6	-1.3
13	1.7	3.0	2.8	1.6	1.3	-0.3	-0.6	-1.2	-0.6	-0.1	1.6	4.6	3.1	0.7	-0.1	-0.2	-1.1	-1.6	-1.6	-1.4	-1.5	-1.9	-2.3	-2.5	0.1	4.6	-2.5
14	-2.8	-2.9	-3.0	-3.1	-3.3	-3.6	-3.9	-4.0	-3.8	-3.7	-3.4	-3.3	-3.1	-3.3	-3.9	-4.4	-4.9	-5.2	-5.4	-5.6	-6.0	-6.5	-6.5	-6.6	-4.3	-2.8	-6.6
15	-6.7	-7.0	-7.6	-7.9	-8.2	-8.5	-9.2	-11.0	-11.8	-11.9	-9.7	-6.4	-5.4	-4.6	-4.8	-5.1	-6.0	-6.6	-8.1	Pw	Pw	Pw	Pw	Pw	-7.7	-4.6	-11.9
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	-1.2	-1.1	-1.2	-3.1	-6.0	-8.7	-10.7	-12.1	-13.5	-14.2	-15.1	-7.9	-1.1	-15.1
18	-14.8	-14.8	-13.8	-12.2	-10.8	-9.7	-8.9	-8.1	-7.9	-6.8	-5.9	-3.6	-2.2	0.0	0.2	-0.2	-0.7	-1.5	-1.9	-1.9	-2.2	-2.5	-2.7	-2.8	-5.7	0.2	-14.8
19	-3.1	-4.6	-6.4	-7.7	-9.1	-10.1	-10.3	-11.1	-11.6	-10.7	Au	Au	Au	Au	2.7	2.2	1.7	1.3	0.1	0.1	0.1	-0.1	-0.2	-0.5	-3.9	2.7	-11.6
20	-0.8	-1.5	-2.4	-1.9	-2.4	-4.1	-6.3	-8.5	-9.5	-8.8	-8.0	-5.7	-3.6	-0.1	0.5	0.4	-0.3	-0.7	0.0	-0.8	-0.3	-0.5	-1.0	-0.9	-2.8	0.5	-9.5
21	0.8	0.7	1.1	0.2	0.0	0.0	0.1	0.0	0.6	1.9	2.3	2.3	2.3	2.3	2.0	2.4	2.2	1.0	0.0	-0.3	-0.6	-2.0	-3.5	-4.3	0.5	2.4	-4.3
22	-6.7	-6.2	-4.3	-4.2	-3.7	-3.2	-3.2	-3.3	-3.2	-3.2	-2.7	-2.8	-2.6	-2.6	-2.9	-3.2	-3.2	-3.5	-3.4	-3.4	-4.0	-4.1	-4.7	-4.8	-3.7	-2.6	-6.7
23	-6.3	-7.4	-8.6	-10.0	-10.9	-12.5	-11.7	-12.5	-14.4	-15.7	-14.7	-12.0	-7.8	-6.1	-5.0	-4.6	-7.0	-9.3	-10.2	-10.7	-11.1	-11.3	-10.3	-8.7	-9.9	-4.6	-15.7
24	-7.4	-4.2	-1.7	-1.2	-1.0	-1.7	-1.3	-0.7	-0.6	0.1	0.5	1.3	1.0	0.2	0.1	-0.2	-1.2	-1.6	-1.9	-2.0	-2.9	-3.2	-3.3	-3.4	-1.5	1.3	-7.4
25	-3.9	-4.6	-5.2	-5.5	-5.9	-6.1	-6.5	-7.1	-7.6	-7.8	-7.9	-7.3	-7.5	-8.0	-8.2	-8.8	-10.3	-12.7	-15.2	-15.5	-16.7	-18.7	-19.9	-20.0	-9.9	-3.9	-20.0
26	-18.8	-18.2	-16.8	-15.7	-15.5	-14.7	-14.0	-13.6	-13.2	-12.6	-11.7	-10.3	-9.6	-9.7	-10.1	-10.1	-12.2	-14.9	-17.4	-18.3	-18.7	-17.4	-16.1	-14.6	-14.3	-9.6	-18.8
27	-13.5	-12.2	-10.8	-10.5	-9.5	-9.1	-9.2	-9.1	-9.1	-8.6	-8.2	-7.5	-6.5	-6.7	-6.7	-7.1	-7.3	-7.3	-7.3	-7.5	-7.7	-7.4	-7.3	-7.0	-8.5	-6.5	-13.5
28	-6.9	-6.9	-6.9	-6.8	-7.0	-7.1	-7.2	-7.2	-7.3	-6.9	-7.0	-8.6	-10.0	-10.8	-10.5	-11.3	-12.2	-12.8	-13.4	-13.8	-14.2	-14.5	-15.0	-15.5	-10.0	-6.8	-15.5
29	-16.2	-17.1	-17.8	-18.5	-17.8	-17.8	-18.2	-18.4	-18.8	-19.4	-19.5	-19.3	-19.1	-18.1	-18.1	-18.3	-20.0	-22.1	-23.9	-24.6	-25.4	-27.1	-29.0	-30.0	-20.6	-16.2	-30.0
30	-31.3	-31.3	-32.9	-33.6	-34.1	-34.7	-35.3	-36.1	-36.0	-35.3	-34.4	-32.1	-29.6	-27.3	-24.4	-23.6	-24.4	-25.5	-25.8	-25.6	-25.9	-24.5	-22.7	-20.5	-29.5	-20.5	-36.1
31	-19.5	-18.6	-19.1	-20.9	-22.2	-22.4	-22.1	-20.4	-19.0	-17.6	-15.2	-13.4	-10.6	-10.6	-10.4	-10.6	-12.5	-15.0	-15.7	-17.7	-18.2	-17.9	-17.8	-18.3	-16.9	-10.4	-22.4
Avg	-7.6	-7.6	-7.4	-7.4	-7.4	-7.6	-7.7	-7.8	-7.7	-6.9	-5.8	-4.3	-2.7	-2.0	-1.7	-2.0	-3.1	-4.4	-5.5	-6.1	-6.8	-7.2	-7.5	-7.5	-5.9	-0.8	-12.3
Max	6.7	5.8	7.5	7.5	7.5	7.1	6.4	6.0	6.1	8.1	8.8	8.9	10.2	11.2	11.6	10.9	10.0	7.7	4.9	6.0	4.6	3.6	4.1	7.8	6.0	11.6	-1.3
Min	-31.3	-31.3	-32.9	-33.6	-34.1	-34.7	-35.3	-36.1	-36.0	-35.3	-34.4	-32.1	-29.6	-27.3	-24.4	-23.6	-24.4	-25.5	-25.8	-25.6	-25.9	-27.1	-29.0	-30.0	-29.5	-20.5	-36.1

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	2.7	2.6	2.8	3.1	3.1	2.9	2.5	2.2	3.2	4.3	5.4	4.8	3.9	5.8	7.3	7.4	7.2	6.5	4.9	4.0	3.2	2.9	2.2	2.6	4.1	7.4	2.2
2	2.3	1.9	0.6	1.4	3.6	3.9	2.7	0.6	-0.2	-0.3	-0.3	-0.7	0.2	-0.1	-0.2	-0.7	-1.1	-1.3	-2.3	-2.9	-3.4	-4.5	-5.6	-6.1	-0.5	3.9	-6.1
3	-7.0	-7.3	-8.8	-9.1	-9.6	-9.9	-10.1	-8.1	-4.2	0.9	4.4	6.0	7.7	9.1	10.0	10.8	10.3	9.1	3.8	0.7	-0.2	-1.4	-3.0	-3.4	-0.4	10.8	-10.1
4	-3.7	-3.9	-3.2	-2.6	-1.6	-1.8	-0.8	2.2	9.4	11.9	13.6	15.0	16.2	17.0	17.0	16.8	16.1	14.8	13.6	12.5	11.6	11.1	9.0	5.9	8.2	17.0	-3.9
5	4.6	3.7	3.8	4.8	2.3	0.8	0.9	3.0	9.9	12.3	12.9	14.3	15.2	16.0	16.2	16.2	14.5	13.4	11.6	7.9	3.9	2.7	1.7	0.2	8.0	16.2	0.2
6	-0.7	-1.3	-2.0	-1.4	-0.2	1.1	2.1	3.7	9.3	13.7	14.5	16.6	18.3	18.9	19.3	18.7	18.2	16.5	14.5	13.8	13.1	10.6	9.2	8.5	9.8	19.3	-2.0
7	8.2	5.2	4.0	3.3	2.6	2.0	2.3	3.6	7.7	13.5	Au	Au	Au	Au	19.1	19.2	18.7	16.1	12.1	10.2	9.5	6.9	4.0	2.9	8.6	19.2	2.0
8	1.2	0.5	-0.3	0.0	-0.1	-0.7	-0.9	0.5	4.3	10.5	15.8	15.8	16.3	17.1	17.6	17.5	16.7	13.3	9.8	8.5	6.2	5.4	4.3	4.1	7.6	17.6	-0.9
9	4.3	4.7	3.8	4.3	4.3	3.5	3.1	2.9	7.7	11.2	12.6	13.9	14.0	13.9	14.2	13.7	12.2	10.3	8.2	7.1	6.2	5.4	4.6	3.2	7.9	14.2	2.9
10	1.6	0.1	-0.8	-2.4	-3.0	-3.6	-4.0	-3.0	1.1	6.9	11.2	13.7	14.8	15.6	16.0	16.2	15.6	12.3	7.7	5.1	3.8	0.9	-0.5	-1.9	5.1	16.2	-4.0
11	-2.4	-2.9	-3.4	-3.2	-2.7	-1.2	-0.9	0.3	2.3	7.6	12.8	13.7	12.8	12.3	12.1	12.8	12.6	9.8	6.8	5.5	5.2	4.0	4.6	4.4	5.1	13.7	-3.4
12	4.1	3.9	3.5	3.9	3.6	3.1	2.3	2.5	2.5	3.6	4.5	5.2	5.9	5.6	5.2	6.0	4.8	5.5	4.7	3.1	0.6	-1.0	-2.3	-3.5	3.2	6.0	-3.5
13	-4.5	-4.8	-4.7	-5.3	-5.9	-6.2	-5.5	-3.7	0.0	4.3	7.7	9.6	10.6	11.5	10.5	11.1	11.4	7.9	4.4	3.6	2.5	2.8	2.3	2.3	2.6	11.5	-6.2
14	3.1	4.1	3.9	5.0	5.1	5.2	4.2	5.2	9.0	12.5	14.7	16.0	17.5	17.7	17.8	17.8	15.9	13.8	9.0	6.7	4.6	3.5	1.7	3.1	9.0	17.8	1.7
15	2.1	2.5	2.9	4.5	6.1	6.0	5.4	5.6	7.9	12.5	15.9	17.6	18.6	19.0	19.1	17.1	14.2	8.9	6.1	4.6	4.7	4.5	4.4	4.8	9.0	19.1	2.1
16	4.9	4.7	4.2	4.0	3.9	3.4	2.7	3.0	4.7	6.1	7.5	8.3	8.5	8.7	9.1	8.2	7.6	5.8	3.7	3.3	1.7	-0.2	-1.4	-2.3	4.6	9.1	-2.3
17	-4.0	-5.3	-5.5	-6.1	-6.3	-6.6	-6.7	-5.8	-0.9	5.8	10.0	11.4	12.4	12.9	13.3	13.0	12.8	9.7	7.7	4.4	2.8	0.6	0.3	-1.1	2.9	13.3	-6.7
18	-1.4	-1.1	-2.7	-2.5	-2.4	-2.3	-1.8	-1.8	1.1	7.6	12.9	13.9	14.3	13.9	14.8	15.3	14.2	12.0	9.2	5.7	3.3	1.0	-0.1	-0.3	5.1	15.3	-2.7
19	-1.7	-2.1	-3.2	-3.8	-4.3	-4.1	-4.4	-3.6	0.9	7.2	13.1	15.5	17.0	17.8	18.1	18.1	16.8	10.0	5.9	3.4	2.6	1.0	0.2	-1.6	5.0	18.1	-4.4
20	-2.4	-2.8	-3.3	-3.4	-3.6	-3.6	-4.0	-2.6	3.6	12.6	16.9	18.6	19.5	20.2	20.5	20.2	18.8	12.8	9.9	5.0	3.5	3.2	3.3	1.9	6.9	20.5	-4.0
21	0.7	1.0	0.8	1.8	0.8	1.1	1.0	2.5	4.3	8.4	10.9	13.4	14.7	8.3	8.8	6.5	3.6	1.9	0.5	1.0	1.7	1.8	1.9	2.1	4.1	14.7	0.5
22	1.9	1.8	0.6	0.0	-0.7	-0.9	-1.5	-0.9	0.8	3.9	6.1	7.4	8.3	9.1	9.5	9.8	8.9	5.2	2.6	0.8	-1.1	-1.7	-1.4	1.2	2.9	9.8	-1.7
23	2.9	3.2	5.4	6.8	5.7	6.4	6.2	7.3	8.5	10.3	10.6	11.8	12.8	12.9	12.6	12.2	12.0	10.9	8.4	9.2	8.1	7.0	6.0	6.1	8.5	12.9	2.9
24	5.1	4.3	3.4	3.5	5.5	5.3	4.9	5.0	5.6	6.3	6.8	7.4	8.1	8.5	8.8	8.3	7.5	6.7	5.9	5.2	5.1	3.4	1.5	0.7	5.5	8.8	0.7
25	-0.8	0.5	1.2	0.9	0.1	-0.4	-1.3	-1.5	2.2	7.9	13.5	15.5	17.1	17.6	18.1	17.0	15.3	15.4	15.4	14.4	10.6	6.9	6.7	9.9	8.4	18.1	-1.5
26	10.7	11.1	9.8	8.4	8.6	7.7	4.6	3.6	4.0	5.1	6.0	6.0	5.6	6.2	5.7	5.4	4.4	2.8	2.3	1.6	1.6	1.4	1.4	1.3	5.2	11.1	1.3
27	1.1	1.0	0.2	0.2	0.4	-0.1	-0.2	-0.4	0.1	1.0	1.6	2.4	3.0	2.8	2.3	2.2	2.0	1.5	0.5	-0.8	-2.8	-2.9	-3.3	-4.7	0.3	3.0	-4.7
28	-5.8	-6.8	-7.8	-8.7	-9.4	-9.5	-10.1	-10.5	-6.2	-1.8	2.2	4.9	6.1	7.3	7.6	7.3	6.0	4.2	2.0	1.2	-0.8	-1.7	-0.9	-0.3	-1.3	7.6	-10.5
29	0.5	3.1	4.1	5.2	4.8	4.6	4.5	3.7	5.4	6.8	7.4	8.9	9.0	9.5	8.6	8.1	8.0	7.2	5.4	2.8	-0.5	-2.3	-3.6	-4.4	4.5	9.5	-4.4
30	-5.5	-6.2	-6.8	-7.2	-7.4	-7.8	-7.4	-7.1	-3.9	2.1	7.4	9.8	10.9	10.9	11.5	11.4	9.5	8.3	7.1	6.6	6.4	6.5	6.0	5.2	2.5	11.5	-7.8
31	4.7	4.1	3.6	2.1	0.4	-1.3	-2.4	-3.4	-1.7	3.2	11.8	14.2	15.4	16.5	16.6	14.6	12.9	9.6	6.0	3.9	3.8	3.5	0.9	-0.6	5.8	16.6	-3.4
Avg	0.9	0.6	0.2	0.2	0.1	-0.1	-0.4	0.2	3.2	7.0	9.7	11.0	11.8	12.1	12.5	12.2	11.2	9.1	6.7	5.1	3.8	2.6	1.7	1.3	5.1	13.2	-2.5
Max	10.7	11.1	9.8	8.4	8.6	7.7	6.2	7.3	9.9	13.7	16.9	18.6	19.5	20.2	20.5	20.2	18.8	16.5	15.4	14.4	13.1	11.1	9.2	9.9	9.8	20.5	2.9
Min	-7.0	-7.3	-8.8	-9.1	-9.6	-9.9	-10.1	-10.5	-6.2	-1.8	-0.3	-0.7	0.2	-0.1	-0.2	-0.7	-1.1	-1.3	-2.3	-2.9	-3.4	-4.5	-5.6	-6.1	-1.3	3.0	-10.5

A-13

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	-1.3	-2.2	-2.6	-2.6	-2.2	-1.1	0.3	2.2	3.3	8.2	14.3	16.0	16.7	16.8	16.7	15.4	10.8	4.0	4.5	3.2	3.2	2.9	2.1	1.7	5.4	16.8	-2.6
2	1.1	0.5	1.3	2.0	2.5	2.2	0.8	0.6	0.4	-0.4	-0.2	0.0	1.4	1.3	1.1	0.9	0.6	0.2	0.0	-0.2	-0.3	-0.6	-0.9	-1.9	0.5	2.5	-1.9
3	-3.3	-4.3	-5.5	-6.9	-7.9	-8.6	-9.2	-9.3	-6.6	-2.5	1.0	2.3	3.0	3.3	3.3	3.6	2.7	1.4	0.1	-1.6	-2.9	-4.2	-4.4	-4.7	-2.6	3.6	-9.3
4	-3.0	-2.4	-3.5	-3.6	-3.0	-2.2	-2.1	-0.8	0.4	1.8	3.2	4.0	5.0	5.9	6.0	5.0	5.0	5.3	5.3	5.3	5.0	5.0	5.2	5.6	2.2	6.0	-3.6
5	5.7	5.3	4.8	4.7	4.7	4.5	4.3	4.2	4.9	5.9	6.6	7.2	7.8	7.2	7.4	7.3	6.9	5.9	4.6	3.5	1.3	-0.5	-1.4	-2.4	4.6	7.8	-2.4
6	-2.7	-2.5	-1.8	-1.2	-0.8	-0.8	0.0	0.9	1.8	4.9	8.5	9.8	10.9	11.8	12.6	12.1	11.8	9.1	10.5	11.8	11.5	11.0	11.3	9.8	6.3	12.6	-2.7
7	8.1	7.5	7.4	6.9	6.6	5.5	4.2	3.3	3.6	4.9	6.4	6.5	7.2	7.0	7.1	7.2	6.0	4.7	3.2	0.3	-2.2	-2.8	-3.1	-4.9	4.2	8.1	-4.9
8	-5.8	-5.9	-6.9	-7.0	-7.1	-7.5	-7.3	-5.9	-2.2	3.2	7.2	9.0	10.3	10.5	10.6	9.1	7.8	6.6	7.6	7.8	5.7	6.6	7.6	8.9	2.6	10.6	-7.5
9	8.7	8.2	7.7	7.2	6.7	6.0	4.9	5.3	5.4	8.6	8.7	8.2	8.7	7.7	6.3	5.9	4.7	2.6	-1.4	-4.5	-7.0	-8.9	-10.9	-12.2	3.2	8.7	-12.2
10	-12.9	-13.1	-13.2	-13.7	-14.6	-14.6	-15.6	-15.0	-14.5	-13.7	-12.7	-11.6	-10.2	-10.2	-10.5	-11.7	-12.4	-13.2	-14.4	-15.6	-16.7	-17.9	-18.8	-19.6	-14.0	-10.2	-19.6
11	-19.8	-20.2	-21.0	-21.8	-21.9	-23.1	-24.4	-24.5	-22.7	-20.6	-19.7	-19.0	-17.7	-17.7	-18.2	-18.5	-18.7	-20.1	-20.8	-21.5	-21.3	-22.3	-23.0	-22.4	-20.9	-17.7	-24.5
12	-21.6	-22.1	-23.3	-25.1	-25.1	-26.6	-27.0	-27.1	-24.9	-21.2	-17.7	-16.4	-15.3	-14.2	-13.7	-14.3	-16.5	-18.6	-20.0	-22.0	-23.5	-24.6	-25.3	-26.0	-21.3	-13.7	-27.1
13	-26.5	-26.7	-27.2	-27.3	-27.7	-27.9	-27.9	-28.0	-25.3	-20.1	-15.3	-12.0	-9.5	-8.1	-7.7	-8.2	-11.8	-15.3	-17.5	-20.2	-21.7	-22.5	-23.3	-23.8	-20.1	-7.7	-28.0
14	-24.1	-24.8	-24.8	-24.5	-23.4	-20.8	-19.2	-18.2	-16.8	-15.1	-13.8	-12.3	-12.1	-12.8	-13.6	-14.1	-14.8	-16.3	-16.7	-17.7	-18.6	-18.9	-18.4	-18.4	-17.9	-12.1	-24.8
15	-19.1	-20.7	-21.4	-21.8	-22.7	-23.5	-24.5	-25.1	-24.0	-20.5	-17.6	-15.2	-13.8	-12.3	-12.0	-12.2	-14.3	-16.3	-18.7	-19.2	-18.3	-18.7	-18.7	-18.1	-18.7	-12.0	-25.1
16	-17.7	-17.4	-14.9	-14.5	-13.8	-13.1	-12.5	-11.6	-10.9	-9.8	-8.9	-8.0	-6.8	-6.0	-5.8	-6.3	-7.5	-8.7	-7.7	-8.8	-10.9	-14.0	-16.4	-18.8	-11.3	-5.8	-18.8
17	-20.4	-21.2	-22.1	-23.3	-23.9	-24.2	-24.9	-25.4	-22.8	-17.8	-13.3	-8.7	-5.5	-4.7	-4.2	-3.8	-5.9	-11.0	-13.4	-13.7	-15.3	-17.0	-17.5	-17.5	-15.7	-3.8	-25.4
18	-18.1	-17.8	-16.8	-16.3	-14.9	-13.3	-11.1	-9.9	-8.4	-7.4	-4.4	-2.2	-0.5	0.3	0.4	-0.8	-1.5	-2.4	-3.9	-5.2	-6.4	-8.0	-10.5	-12.5	-8.0	0.4	-18.1
19	-14.1	-15.0	-16.0	-16.9	-17.2	-17.9	-18.0	-18.5	-17.3	-13.4	-8.8	-2.6	0.6	1.3	1.4	0.4	-0.8	-6.1	-7.5	-8.5	-9.4	-10.3	-11.4	-12.0	-9.9	1.4	-18.5
20	-13.2	-13.7	-14.1	-14.4	-14.8	-13.9	-13.8	-14.0	-12.3	-9.0	-5.7	-2.1	4.3	5.5	5.0	3.7	2.3	-0.5	-2.1	0.6	1.4	1.3	1.1	0.5	-4.9	5.5	-14.8
21	0.1	0.0	-0.2	0.2	0.3	0.1	0.9	1.0	0.5	1.0	2.3	3.3	4.1	4.4	3.6	3.0	2.6	1.5	-0.7	-1.5	-0.4	1.8	2.3	2.8	1.4	4.4	-1.5
22	2.9	2.9	2.5	3.1	3.0	1.6	1.6	1.8	1.9	2.2	3.2	3.7	3.8	2.2	1.3	0.8	-0.2	-0.7	-1.2	-1.5	-1.9	-2.5	-3.1	-4.0	1.0	3.8	-4.0
23	-3.2	-2.7	-3.5	-4.2	-3.8	-3.5	-4.2	-4.3	-4.0	-3.2	-2.2	-1.2	-0.7	-0.2	-0.7	-0.9	-1.5	-0.9	-0.7	-1.0	-1.0	-1.0	-1.3	-2.1	-2.2	-0.2	-4.3
24	-2.8	-3.2	-3.2	-3.3	-3.5	-3.4	-3.1	-3.5	-3.7	-3.6	-2.9	-2.0	-2.0	-0.5	-1.0	-2.0	-2.5	-2.4	-2.1	-2.1	-2.0	-2.8	-3.1	-3.4	-2.7	-0.5	-3.7
25	-3.8	-3.9	-3.0	-0.4	0.0	0.0	-0.3	-0.6	-0.5	-0.6	-1.0	-1.1	-1.3	-2.1	-2.9	-3.7	-4.6	-5.2	-5.4	-5.4	-5.6	-5.7	-5.7	-5.9	-2.9	0.0	-5.9
26	-5.9	-5.8	-5.9	-6.0	-6.0	-6.0	-5.9	-6.0	-5.9	-5.5	-4.9	-4.6	-4.1	-3.6	-3.1	-2.7	-2.5	-2.4	-2.4	-3.2	-2.9	-2.9	-3.6	-3.6	-4.4	-2.4	-6.0
27	-3.6	-4.0	-3.7	-3.5	-3.1	-4.0	-4.0	-2.8	-2.4	-2.2	-0.2	4.0	4.3	4.3	6.2	7.8	5.4	4.2	6.4	6.8	5.2	5.4	5.9	5.9	1.6	7.8	-4.0
28	6.3	6.2	5.9	6.0	6.0	5.9	5.5	5.0	4.8	4.9	5.6	6.0	6.5	7.1	7.3	6.6	6.3	6.0	6.3	5.3	4.5	5.2	5.5	4.6	5.8	7.3	4.5
29	4.0	2.3	-0.4	-4.6	-12.1	-14.9	-17.4	-20.7	-21.7	-22.6	-23.3	-22.9	-22.1	-22.4	-22.6	-22.8	-23.6	-25.1	-25.1	-24.6	-24.4	-24.8	-24.2	-23.8	-18.3	4.0	-25.1
30	-25.1	-27.2	-29.2	-29.2	-26.3	-25.2	-25.1	-24.4	-23.6	-22.7	-19.6	-14.7	-12.0	-11.5	-10.9	-11.1	-15.1	-19.0	-22.1	-22.8	-24.7	-24.6	-25.9	-25.4	-21.6	-10.9	-29.2
Avg	-7.7	-8.1	-8.5	-8.7	-8.9	-9.0	-9.2	-9.0	-8.1	-6.2	-4.2	-2.6	-1.3	-1.0	-1.0	-1.5	-2.7	-4.4	-5.2	-5.9	-6.7	-7.2	-7.7	-8.1	-6.0	0.5	-12.4
Max	8.7	8.2	7.7	7.2	6.7	6.0	5.5	5.3	5.4	8.6	14.3	16.0	16.7	16.8	16.7	15.4	11.8	9.1	10.5	11.8	11.5	11.0	11.3	9.8	6.3	16.8	4.5
Min	-26.5	-27.2	-29.2	-29.2	-27.7	-27.9	-27.9	-28.0	-25.3	-22.7	-23.3	-22.9	-22.1	-22.4	-22.6	-22.8	-23.6	-25.1	-25.1	-24.6	-24.7	-24.8	-25.9	-26.0	-21.6	-17.7	-29.2

A-14

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	-25.4	-25.5	-24.2	-24.4	-24.1	-22.7	-21.9	-22.4	-22.3	-18.4	-15.1	-10.7	-3.8	-2.7	-2.4	-1.7	-2.5	-2.9	-3.1	-2.2	-2.8	-3.1	-3.7	-4.8	-12.2	-1.7	-25.5
2	-5.5	-6.7	-7.3	-6.4	-5.9	-6.7	-7.9	-6.3	-6.2	-5.7	-5.0	-4.1	-3.7	-3.5	-3.4	-3.8	-5.6	-8.3	-11.2	-13.8	-16.0	-16.7	-18.3	-19.2	-8.2	-3.4	-19.2
3	-19.2	-19.5	-18.8	-17.6	-16.5	-16.1	-15.0	-15.1	-14.5	-12.4	-10.5	-8.5	-5.2	-1.4	1.6	1.3	-2.7	-7.2	-9.4	-9.5	-9.8	-10.4	-10.7	-10.0	-10.7	1.6	-19.5
4	-8.4	-6.9	-5.8	-4.6	-4.1	-3.2	-2.5	-1.9	-0.7	0.2	1.0	1.4	2.2	2.9	2.6	2.4	1.7	1.4	0.6	0.4	0.5	0.3	0.6	0.4	-0.8	2.9	-8.4
5	0.3	0.2	0.2	0.3	0.1	-0.2	-0.2	-0.3	0.0	0.6	1.3	1.9	2.6	3.0	2.8	2.3	1.9	1.4	1.1	-0.1	-1.8	-3.6	-4.6	-5.5	0.2	3.0	-5.5
6	-5.6	-6.1	-6.5	-7.2	-6.7	-7.4	-7.4	-7.0	-6.6	-5.5	-3.5	2.2	6.9	6.9	4.5	3.2	2.9	3.0	2.7	1.7	1.3	1.4	1.5	2.1	-1.2	6.9	-7.4
7	2.0	2.6	2.5	2.4	2.3	2.1	1.9	1.5	0.2	0.9	2.5	3.0	3.2	3.5	3.6	2.9	1.3	-1.1	-3.2	-5.0	-6.5	-8.2	-9.3	-10.1	-0.2	3.6	-10.1
8	-10.7	-10.5	-11.0	-10.5	-10.0	-9.3	-8.5	-7.8	-7.1	-5.5	-3.2	-1.2	4.0	4.9	4.9	4.5	4.2	2.5	0.0	-2.0	-3.9	-5.3	-6.2	-6.7	-3.9	4.9	-11.0
9	-7.2	-8.0	-8.7	-9.3	-9.6	-9.4	-9.7	-10.0	-9.1	-7.0	-4.6	-1.1	5.4	7.7	6.9	4.6	2.9	1.0	0.0	-1.1	-1.1	-2.2	-3.3	-3.6	-3.2	7.7	-10.0
10	-4.3	-4.9	-4.4	-4.1	-4.9	-5.9	-6.2	-6.5	-5.7	-3.3	-1.4	1.4	3.2	3.9	5.5	4.3	2.6	2.0	1.0	-0.2	-0.5	0.2	-0.2	-2.3	-1.3	5.5	-6.5
11	-3.0	-1.7	0.5	4.3	6.7	6.3	5.9	4.4	5.1	6.1	6.4	6.7	7.5	7.7	7.7	7.4	6.8	3.2	3.6	4.6	3.3	2.7	2.8	6.8	4.7	7.7	-3.0
12	6.0	4.8	6.3	6.4	6.5	2.0	3.0	4.4	4.1	7.0	7.3	8.3	9.6	10.5	10.7	9.7	8.2	6.3	2.5	1.0	-1.2	-1.5	-2.3	-2.6	4.9	10.7	-2.6
13	0.2	0.8	1.0	1.0	0.4	-1.3	-1.4	-1.9	-1.2	-0.3	1.6	4.3	3.0	0.7	0.0	-0.2	-1.1	-1.6	-1.7	-1.5	-1.6	-2.0	-2.3	-2.6	-0.3	4.3	-2.6
14	-2.8	-2.9	-3.1	-3.2	-3.3	-3.6	-3.9	-4.0	-3.8	-3.7	-3.3	-3.2	-3.0	-3.2	-3.8	-4.3	-4.9	-5.3	-5.5	-5.6	-6.0	-6.7	-6.5	-6.6	-4.3	-2.8	-6.7
15	-6.7	-7.1	-7.9	-8.3	-8.6	-8.7	-9.6	-12.0	-12.6	-12.0	-9.5	-6.2	-5.1	-4.4	-4.7	-5.4	-6.5	-7.0	-8.5	Pw	Pw	Pw	Pw	Pw	-7.9	-4.4	-12.6
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	-1.1	-0.8	-1.0	-4.3	-8.4	-10.9	-12.9	-13.8	-15.0	-15.7	-16.2	-9.1	-0.8	-16.2
18	-16.4	-16.1	-14.5	-12.4	-11.2	-9.7	-9.0	-8.5	-9.2	-7.5	-6.1	-3.6	-2.3	0.0	0.2	-0.3	-0.8	-1.7	-2.0	-2.0	-2.4	-2.8	-3.0	-3.2	-6.0	0.2	-16.4
19	-3.7	-6.2	-7.7	-9.5	-11.1	-11.9	-12.1	-12.4	-13.0	-11.7	Au	Au	Au	Au	2.5	1.7	1.1	0.8	-0.1	0.0	0.0	-0.4	-0.8	-0.6	-4.8	2.5	-13.0
20	-1.1	-2.7	-3.5	-2.9	-3.3	-5.1	-8.5	-9.1	-10.3	-9.7	-8.0	-5.6	-3.7	-0.1	0.5	0.2	-0.8	-1.1	-0.4	-1.4	-0.4	-0.8	-1.4	-1.4	-3.4	0.5	-10.3
21	0.6	0.5	0.8	0.1	-0.2	0.0	0.0	0.0	0.3	1.8	2.2	2.2	2.2	2.1	1.8	2.2	1.9	0.7	-0.3	-0.6	-1.1	-3.5	-4.2	-5.8	0.2	2.2	-5.8
22	-7.8	-7.2	-5.5	-5.2	-3.9	-3.3	-3.2	-3.3	-3.2	-3.2	-2.7	-2.8	-2.6	-2.6	-2.9	-3.3	-3.3	-3.5	-3.6	-3.6	-4.2	-4.4	-5.3	-5.5	-4.0	-2.6	-7.8
23	-7.3	-9.2	-10.1	-11.1	-13.5	-13.1	-12.6	-14.9	-17.1	-17.5	-16.1	-13.4	-10.2	-6.6	-5.9	-5.7	-8.2	-10.5	-11.4	-12.0	-12.5	-12.5	-11.0	-9.2	-11.3	-5.7	-17.5
24	-7.9	-5.0	-2.3	-1.5	-1.2	-1.8	-1.6	-1.2	-0.8	-0.2	0.0	1.3	0.8	0.1	0.0	-0.3	-1.1	-1.6	-1.8	-2.1	-2.9	-3.4	-3.5	-3.5	-1.7	1.3	-7.9
25	-4.0	-4.7	-5.3	-5.6	-6.0	-6.3	-6.7	-7.1	-7.6	-8.0	-8.3	-7.5	-7.9	-8.3	-8.5	-9.4	-11.5	-15.3	-16.9	-17.7	-18.7	-20.2	-21.6	-22.1	-10.6	-4.0	-22.1
26	-19.9	-18.7	-17.0	-15.8	-15.6	-14.8	-14.1	-13.9	-13.5	-12.9	-12.8	-10.7	-9.6	-9.9	-10.7	-10.7	-13.5	-16.6	-19.5	-19.9	-20.3	-18.0	-16.5	-15.7	-15.0	-9.6	-20.3
27	-15.5	-13.2	-11.7	-12.1	-9.8	-9.2	-9.1	-9.2	-9.0	-8.6	-8.3	-7.4	-6.5	-6.6	-6.6	-7.0	-7.4	-7.5	-7.5	-7.5	-7.6	-7.4	-7.2	-7.0	-8.7	-6.5	-15.5
28	-6.8	-6.8	-6.8	-6.8	-7.0	-7.2	-7.2	-7.5	-7.7	-7.1	-7.0	-8.6	-10.0	-10.8	-10.6	-11.4	-12.3	-13.0	-13.5	-13.8	-14.2	-14.5	-15.1	-15.8	-10.1	-6.8	-15.8
29	-16.7	-17.5	-18.5	-19.2	-18.3	-18.2	-18.6	-18.8	-19.2	-19.6	-20.0	-19.7	-19.5	-18.2	-18.5	-18.6	-20.3	-22.5	-24.5	-25.6	-27.0	-28.9	-30.9	-32.0	-21.3	-16.7	-32.0
30	-32.9	-32.9	-34.3	-34.6	-35.4	-36.4	-36.8	-37.6	-37.9	-37.3	-35.7	-33.2	-30.7	-28.7	-26.2	-24.5	-25.9	-26.9	-27.2	-27.4	-27.2	-25.3	-23.5	-21.2	-30.8	-21.2	-37.9
31	-20.1	-19.0	-19.5	-21.7	-23.2	-23.2	-22.6	-20.5	-18.9	-17.6	-15.2	-14.2	-11.1	-10.7	-10.8	-11.2	-13.7	-16.3	-17.0	-19.3	-19.2	-19.0	-19.0	-20.0	-17.6	-10.7	-23.2
Avg	-8.6	-8.6	-8.4	-8.3	-8.2	-8.4	-8.5	-8.6	-8.5	-7.5	-6.2	-4.6	-3.0	-2.2	-2.0	-2.4	-3.7	-5.2	-6.3	-6.9	-7.5	-8.0	-8.3	-8.4	-6.6	-1.0	-13.7
Max	6.0	4.8	6.3	6.4	6.7	6.3	5.9	4.4	5.1	7.0	7.3	8.3	9.6	10.5	10.7	9.7	8.2	6.3	3.6	4.6	3.3	2.7	2.8	6.8	4.9	10.7	-2.6
Min	-32.9	-32.9	-34.3	-34.6	-35.4	-36.4	-36.8	-37.6	-37.9	-37.3	-35.7	-33.2	-30.7	-28.7	-26.2	-24.5	-25.9	-26.9	-27.2	-27.4	-27.2	-28.9	-30.9	-32.0	-30.8	-21.2	-37.9

A-15

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

Day	<< Hour >>																								Avg	Max	Min	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
1	-0.02	-0.04	-0.04	-0.03	0.00	0.03	-0.01	-0.12	-0.23	-0.39	-0.49	-0.38	-0.23	-0.18	-0.25	-0.18	-0.05	0.14	0.59	0.72	0.72	0.76	0.76	0.50	0.07	0.76	-0.49	
2	0.88	0.93	1.11	0.94	0.33	0.20	0.17	0.02	-0.03	-0.05	-0.15	-0.20	-0.47	-0.46	-0.37	-0.31	-0.15	-0.03	0.03	0.05	0.26	0.45	0.31	0.31	0.16	1.11	-0.47	
3	0.23	0.09	0.60	0.55	0.59	0.56	0.49	-0.17	-0.28	-0.45	-0.83	-0.95	-1.04	-0.97	-0.89	-0.66	-0.25	0.35	1.68	0.30	0.24	0.43	0.81	1.00	0.06	1.68	-1.04	
4	1.05	1.01	0.74	0.66	0.47	0.74	1.17	0.53	0.17	-0.10	-0.60	-0.84	-0.92	-0.78	-0.69	-0.54	-0.19	0.26	0.38	0.46	0.77	0.78	0.99	2.13	0.32	2.13	-0.92	
5	1.54	1.62	2.55	1.67	3.23	1.64	0.95	0.13	-0.15	-0.63	-0.61	-1.01	-0.98	-1.01	-0.80	-0.59	0.24	0.89	1.61	2.39	2.23	0.40	0.63	0.88	0.70	3.23	-1.01	
6	0.94	1.33	1.25	0.94	1.46	2.70	1.46	0.28	-0.27	-0.37	-0.46	-0.81	-0.88	-0.68	-0.67	-0.36	-0.16	0.43	0.94	0.95	1.12	1.39	1.72	2.27	0.61	2.70	-0.88	
7	2.21	1.58	0.58	0.52	0.92	1.10	0.70	0.34	-0.30	-0.46	Au	Au	Au	Au	-0.71	-0.57	-0.27	1.02	1.32	0.44	0.25	1.07	1.55	1.54	0.64	2.21	-0.71	
8	1.25	1.60	1.23	1.03	1.54	1.59	1.47	0.64	-0.20	-0.37	-0.83	-0.77	-0.85	-0.91	-0.80	-0.62	-0.23	0.92	0.36	0.32	0.57	0.93	1.10	1.24	0.43	1.60	-0.91	
9	1.14	1.49	1.12	1.08	1.01	1.01	1.27	0.79	-0.15	-0.71	-0.99	-1.34	-0.92	-0.66	-0.77	-0.65	-0.16	0.28	0.66	0.93	0.57	0.39	0.61	0.71	0.28	1.49	-1.34	
10	1.10	1.11	0.57	0.95	1.07	1.44	1.52	0.34	-0.25	-0.45	-0.58	-0.96	-0.99	-0.98	-0.84	-0.63	-0.22	1.33	1.25	0.29	0.33	1.28	1.37	2.21	0.43	2.21	-0.99	
11	1.58	1.16	1.39	1.51	1.23	0.95	0.80	0.48	0.16	-0.15	-0.53	-0.84	-0.45	-0.28	-0.11	-0.17	0.17	0.34	0.23	0.48	0.61	0.77	0.20	0.22	0.41	1.58	-0.84	
12	0.24	0.31	0.35	0.27	0.22	0.11	0.08	0.00	-0.11	-0.22	-0.39	-0.30	-0.20	-0.41	-0.26	-0.09	0.21	0.26	0.39	0.43	0.60	0.79	0.64	1.13	0.17	1.13	-0.41	
13	1.01	1.06	0.84	0.84	1.06	0.98	0.29	-0.10	-0.23	-0.35	-0.57	-0.72	-0.82	-0.79	-0.30	-0.30	-0.12	1.04	0.76	0.19	0.71	0.63	0.85	0.98	0.29	1.06	-0.82	
14	0.92	1.53	1.08	1.14	0.45	0.39	0.27	0.42	0.41	-0.10	-0.42	-0.43	-0.72	-0.39	-0.25	-0.17	0.56	1.53	1.88	1.02	0.90	1.07	1.70	0.68	0.56	1.88	-0.72	
15	1.03	0.92	0.94	0.71	0.53	0.81	0.99	1.22	0.53	-0.13	-0.26	-0.63	-0.57	-0.73	-0.60	0.12	0.16	0.16	0.30	0.45	0.46	0.34	0.31	0.20	0.30	1.22	-0.73	
16	0.11	0.09	0.26	0.28	0.25	0.40	0.62	0.34	-0.27	-0.62	-0.82	-0.79	-0.77	-0.67	-0.64	-0.15	0.12	0.67	0.32	0.13	0.38	0.86	0.81	0.90	0.08	0.90	-0.82	
17	1.33	1.49	1.14	1.13	1.37	1.51	1.57	0.67	-0.19	-0.50	-0.81	-1.00	-1.01	-0.90	-0.73	-0.33	-0.10	0.55	0.56	1.82	1.79	2.36	2.07	1.82	0.65	2.36	-1.01	
18	1.46	1.41	1.39	1.25	0.91	1.14	1.05	1.22	-0.16	-0.51	-0.48	-0.74	-0.56	-0.35	-0.63	-0.44	0.00	0.86	1.74	1.56	2.19	2.25	2.45	1.13	0.76	2.45	-0.74	
19	1.19	1.02	1.61	1.28	1.47	1.45	1.48	1.00	-0.18	-0.33	-0.54	-0.70	-0.74	-0.69	-0.66	-0.42	0.19	1.55	0.67	0.96	0.86	1.52	1.26	1.87	0.63	1.87	-0.74	
20	1.72	1.37	1.90	2.01	1.61	1.52	1.86	1.25	0.13	-0.21	-0.56	-0.79	-0.87	-0.76	-0.66	-0.37	0.30	1.41	1.02	2.67	2.84	1.98	2.57	2.71	1.03	2.84	-0.87	
21	2.14	1.51	2.35	1.99	1.66	1.35	1.32	0.51	0.21	0.31	-0.23	-0.44	-0.35	-0.40	-0.53	-0.23	-0.01	-0.02	0.03	0.14	0.30	0.38	0.51	0.42	0.54	2.35	-0.53	
22	0.31	0.50	0.74	0.77	0.80	0.68	0.98	0.69	0.12	-0.36	-0.51	-0.71	-0.71	-0.76	-0.66	-0.47	-0.03	0.70	0.96	1.30	1.63	1.00	1.72	1.97	0.44	1.97	-0.76	
23	1.56	1.60	1.16	0.62	0.82	0.55	0.75	0.31	0.04	-0.24	-0.30	-0.54	-0.61	-0.44	-0.10	0.16	0.29	0.72	1.58	0.55	0.34	0.29	0.37	0.33	0.41	1.60	-0.61	
24	0.28	0.78	0.85	0.61	0.64	0.45	0.59	0.35	-0.04	-0.27	-0.38	-0.51	-0.48	-0.50	-0.43	-0.19	0.05	0.25	0.26	0.29	0.26	0.60	0.80	0.86	0.21	0.86	-0.51	
25	1.02	1.56	1.55	1.95	1.96	1.36	1.17	1.18	0.15	-0.26	-0.49	-0.56	-0.60	-0.45	-0.05	0.30	0.69	0.78	0.52	0.85	1.88	1.20	1.61	1.19	0.77	1.96	-0.60	
26	0.83	0.47	0.57	0.68	0.43	0.25	0.03	0.11	-0.05	-0.24	-0.84	-0.66	-0.62	-0.72	-0.63	-0.40	-0.07	0.26	0.31	0.25	0.10	0.06	0.02	0.01	0.01	0.83	-0.84	
27	0.01	0.02	-0.02	0.00	0.03	0.01	0.00	-0.02	-0.20	-0.25	-0.20	-0.34	-0.36	-0.26	-0.17	-0.21	-0.06	0.09	0.26	0.54	0.95	0.84	0.93	1.48	0.13	1.48	-0.36	
28	1.56	1.12	0.68	0.75	0.90	0.93	0.98	0.89	-0.20	-0.38	-0.41	-0.74	-0.88	-0.84	-0.54	-0.24	0.20	0.59	0.24	0.16	0.85	0.60	0.56	0.56	0.31	1.56	-0.88	
29	0.54	0.24	0.53	0.35	0.17	0.23	0.54	0.55	0.24	-0.29	-0.46	-0.79	-0.57	-0.56	-0.10	0.13	0.12	0.26	0.70	1.29	1.14	0.70	0.85	0.93	0.28	1.29	-0.79	
30	1.16	1.31	1.41	1.15	1.94	1.51	1.48	1.33	-0.08	-0.12	-0.30	-0.70	-0.79	-0.58	-0.51	-0.25	0.04	0.19	0.37	0.41	0.30	0.17	0.50	0.61	0.44	1.94	-0.79	
31	0.51	0.84	0.86	0.90	1.44	1.31	1.25	1.51	0.62	-0.07	-0.31	-0.40	-0.72	-0.67	-0.45	0.64	0.92	1.37	1.38	1.79	1.87	0.96	1.54	1.61	0.78	1.87	-0.72	
Avg	0.99	1.00	1.01	0.92	0.98	0.93	0.88	0.54	-0.03	-0.30	-0.51	-0.69	-0.69	-0.63	-0.51	-0.26	0.07	0.62	0.75	0.78	0.90	0.88	1.04	1.11	0.41	1.75	-0.77	
Max	2.21	1.62	2.55	2.01	3.23	2.70	1.86	1.51	0.62	0.31	-0.15	-0.20	-0.20	-0.18	-0.05	0.64	0.92	1.55	1.88	2.67	2.84	2.36	2.57	2.71	1.03	3.23	-0.36	
Min	-0.02	-0.04	-0.04	-0.03	0.00	0.01	-0.01	-0.17	-0.30	-0.71	-0.99	-1.34	-1.04	-1.01	-0.89	-0.66	-0.27	-0.03	0.03	0.05	0.10	0.06	0.02	0.01	0.01	0.01	0.76	-1.34

A-16

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	1.69	1.75	1.58	1.42	1.24	0.71	1.05	1.10	0.43	1.15	-0.41	-0.67	-0.68	-0.33	-0.30	0.02	0.12	0.18	0.18	0.07	0.00	0.02	0.22	0.21	0.45	1.75	-0.68
2	0.60	0.39	0.45	0.48	0.40	0.15	0.07	0.02	-0.01	-0.19	-0.25	-0.34	-0.60	-0.33	-0.10	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00	0.03	0.38	0.05	0.60	-0.60
3	0.88	0.73	0.65	0.60	0.75	0.73	1.09	0.66	-0.24	-0.18	-0.54	-0.70	-0.68	-0.57	-0.30	-0.26	0.08	0.36	0.74	1.19	1.38	1.37	1.05	1.09	0.41	1.38	-0.70
4	1.75	1.22	0.94	0.90	0.38	0.48	0.70	0.54	0.25	0.21	0.13	0.02	0.04	-0.05	0.07	0.41	0.44	0.30	0.25	0.17	0.21	0.24	0.18	0.16	0.41	1.75	-0.05
5	0.15	0.13	0.12	0.14	0.17	0.13	0.22	0.31	0.05	-0.16	-0.35	-0.44	-0.60	-0.28	-0.17	-0.09	0.09	0.34	0.80	1.20	0.79	0.48	0.67	0.93	0.19	1.20	-0.60
6	0.86	0.84	0.99	0.75	0.94	1.20	1.03	1.64	0.99	0.30	0.01	-0.11	-0.24	-0.02	-0.07	0.22	0.59	2.06	1.13	0.55	0.61	0.68	0.38	0.25	0.65	2.06	-0.24
7	0.07	0.11	0.14	0.20	0.27	0.40	0.40	0.43	0.12	-0.15	-0.64	-0.47	-0.50	-0.33	-0.26	-0.16	0.07	0.28	0.61	1.02	1.25	0.68	0.45	1.18	0.22	1.25	-0.64
8	1.24	1.31	0.94	1.15	1.08	1.38	1.11	0.78	-0.22	0.11	-0.21	-0.50	-0.43	-0.38	-0.45	-0.04	0.38	0.88	0.58	0.71	1.10	0.82	0.48	0.30	0.51	1.38	-0.50
9	0.27	0.29	0.32	0.53	0.45	0.67	0.91	0.65	0.58	0.02	0.15	0.19	0.10	0.01	0.06	0.17	0.21	0.10	-0.10	0.00	-0.01	-0.07	-0.16	-0.20	0.21	0.91	-0.20
10	-0.21	-0.23	-0.21	-0.24	-0.23	-0.19	0.05	-0.20	-0.30	-0.30	-0.47	-0.52	-0.59	-0.48	-0.28	-0.16	-0.11	-0.10	-0.11	-0.11	-0.12	-0.11	-0.03	0.01	-0.22	0.05	-0.59
11	0.01	0.00	-0.02	-0.05	-0.06	0.30	0.87	0.55	-0.20	-0.55	-0.76	-0.78	-0.80	-0.78	-0.61	-0.44	-0.12	0.13	0.25	0.60	0.35	0.31	-0.07	-0.16	-0.08	0.87	-0.80
12	-0.13	0.02	0.49	0.58	0.44	0.65	0.55	0.36	-0.16	-0.43	-0.59	-0.55	-0.54	-0.52	-0.46	-0.39	0.05	0.39	0.42	0.95	0.86	0.67	0.76	1.04	0.19	1.04	-0.59
13	0.71	0.72	0.84	0.69	0.86	0.83	0.57	0.54	-0.19	-0.34	-0.50	-0.52	-0.53	-0.47	-0.38	-0.31	0.75	0.98	1.10	2.10	1.70	1.41	1.20	1.57	0.56	2.10	-0.53
14	1.40	1.09	0.97	0.55	0.21	-0.18	-0.16	-0.16	-0.18	-0.23	-0.32	-0.41	-0.80	-0.50	-0.41	-0.32	0.11	0.71	0.44	0.53	0.44	0.33	0.04	0.06	0.13	1.40	-0.80
15	0.06	0.65	0.47	0.49	0.68	0.57	0.43	0.27	-0.02	-0.38	-0.58	-0.72	-0.78	-0.65	-0.54	-0.25	0.28	0.67	1.25	0.21	0.28	0.55	0.19	0.44	0.15	1.25	-0.78
16	0.60	0.41	0.04	-0.11	-0.11	-0.09	-0.05	-0.06	-0.10	-0.18	-0.19	-0.24	-0.17	-0.05	-0.11	0.10	0.51	0.71	0.37	0.86	1.16	2.90	2.21	2.38	0.45	2.90	-0.24
17	2.71	3.00	1.82	1.82	1.56	1.42	1.26	1.77	0.42	-0.09	-0.05	-0.01	-0.50	-0.40	-0.28	-0.35	0.72	1.68	0.80	0.94	1.16	1.42	1.20	1.01	0.96	3.00	-0.50
18	0.98	0.92	0.80	1.01	0.68	0.78	0.85	0.83	0.37	0.20	-0.10	-0.17	-0.15	-0.07	0.02	0.55	1.05	0.57	1.01	0.73	0.87	1.47	1.67	1.26	0.67	1.67	-0.17
19	1.74	1.35	1.75	2.27	1.55	2.11	2.27	1.50	0.92	-0.05	-0.18	-0.71	-0.39	-0.22	0.08	0.65	0.96	1.22	0.88	0.81	1.01	1.49	1.47	1.47	1.00	2.27	-0.71
20	2.08	1.27	1.93	1.69	1.71	1.59	2.04	1.82	0.62	0.27	-0.08	-0.07	-0.19	-0.22	0.02	0.47	0.54	1.58	1.66	0.59	0.46	0.52	0.46	0.63	0.89	2.08	-0.22
21	0.52	0.41	0.36	0.24	0.40	0.42	0.45	0.38	0.52	0.38	-0.01	-0.10	-0.24	-0.27	-0.11	0.13	0.28	0.83	1.90	0.73	0.72	0.36	0.24	0.18	0.36	1.90	-0.27
22	0.14	0.10	0.11	0.14	0.16	0.12	0.16	0.18	0.13	0.17	0.01	-0.12	-0.14	0.01	0.00	-0.01	0.21	0.26	0.29	0.30	0.34	0.35	0.49	0.72	0.17	0.72	-0.14
23	0.43	0.19	0.37	0.60	0.33	0.05	0.00	0.15	0.11	0.02	-0.08	-0.20	-0.21	-0.21	-0.01	0.10	0.21	0.11	0.14	0.17	0.16	0.14	0.09	0.05	0.11	0.60	-0.21
24	0.04	0.01	0.02	0.12	0.15	0.40	0.27	0.16	0.19	0.06	-0.10	-0.11	0.19	-0.12	0.06	0.29	0.32	0.31	0.20	0.23	0.20	0.03	0.08	0.23	0.13	0.40	-0.12
25	0.11	0.36	0.82	0.29	0.11	0.10	0.06	0.01	0.00	0.00	0.00	-0.02	-0.05	-0.01	-0.07	0.01	0.04	0.07	0.08	0.03	0.06	0.06	0.12	0.06	0.09	0.82	-0.07
26	0.05	-0.03	-0.01	0.01	0.03	0.00	0.00	0.04	-0.01	-0.13	-0.13	-0.09	-0.18	-0.18	-0.14	-0.12	0.24	0.45	0.69	1.05	0.68	0.49	0.74	0.63	0.17	1.05	-0.18
27	0.61	0.63	0.69	0.57	1.24	1.21	1.26	0.98	0.72	1.00	1.28	1.53	1.13	1.01	0.73	0.47	0.66	1.51	0.87	0.69	1.14	0.97	0.90	0.75	0.94	1.53	0.47
28	0.62	0.66	0.93	0.91	0.78	0.73	0.80	0.99	0.73	0.65	0.50	0.55	0.49	0.41	0.37	0.43	0.52	0.63	0.54	0.48	0.38	0.55	0.44	0.36	0.60	0.99	0.36
29	0.28	0.30	0.62	0.27	-0.32	-0.45	-0.51	-0.51	-0.41	-0.18	-0.26	-0.37	-0.43	-0.44	-0.41	-0.30	-0.21	0.04	-0.12	-0.18	-0.20	-0.10	-0.14	-0.12	-0.17	0.62	-0.51
30	0.46	0.98	1.56	0.79	-0.03	-0.08	0.24	0.10	-0.07	0.31	0.19	-0.29	-0.19	-0.22	-0.44	-0.14	0.89	1.22	2.16	2.34	2.81	2.59	3.04	3.00	0.88	3.04	-0.44
Avg	0.69	0.65	0.68	0.63	0.53	0.54	0.60	0.53	0.17	0.04	-0.15	-0.23	-0.29	-0.22	-0.15	0.02	0.33	0.62	0.63	0.63	0.66	0.69	0.61	0.66	0.37	1.42	-0.37
Max	2.71	3.00	1.93	2.27	1.71	2.11	2.27	1.82	0.99	1.15	1.28	1.53	1.13	1.01	0.73	0.65	1.05	2.06	2.16	2.34	2.81	2.90	3.04	3.00	1.00	3.04	0.47
Min	-0.21	-0.23	-0.21	-0.24	-0.32	-0.45	-0.51	-0.51	-0.41	-0.55	-0.76	-0.78	-0.80	-0.78	-0.61	-0.44	-0.21	-0.10	-0.12	-0.18	-0.20	-0.11	-0.16	-0.20	-0.22	0.05	-0.80

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

Day	<< Hour >>																								Avg	Max	Min	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
1	3.14	3.60	2.66	3.36	2.91	2.88	2.72	2.76	2.16	0.82	0.52	0.95	0.28	-0.17	-0.10	-0.05	0.40	0.38	0.50	0.22	0.16	0.14	0.20	0.44	1.29	3.60	-0.17	
2	0.50	0.77	0.80	0.49	0.35	0.65	1.18	0.44	0.32	0.22	0.09	0.03	-0.07	-0.02	0.07	0.28	1.00	1.13	0.75	1.01	1.67	1.04	1.68	2.40	0.70	2.40	-0.07	
3	2.06	1.65	1.65	1.83	2.00	2.01	1.79	1.98	1.86	1.37	0.36	0.31	-0.18	-0.15	-0.21	0.57	0.96	2.27	1.87	1.30	1.33	1.29	1.89	1.58	1.31	2.27	-0.21	
4	1.24	0.65	0.23	0.49	0.37	0.49	0.33	0.36	0.60	0.25	0.03	0.00	0.05	0.15	0.12	0.14	0.24	0.11	0.08	0.06	0.12	0.10	0.06	0.09	0.27	1.24	0.00	
5	0.01	0.01	0.00	0.05	0.10	0.14	0.25	0.19	0.19	0.13	0.09	0.07	0.11	0.22	0.27	0.19	0.19	0.12	0.10	0.35	0.43	1.10	1.60	1.64	0.31	1.64	0.00	
6	1.78	1.80	1.86	1.77	1.71	1.87	1.89	1.84	1.31	1.45	0.94	0.97	0.32	0.48	0.39	0.28	0.45	0.52	0.49	0.45	0.54	0.58	0.31	0.28	1.01	1.89	0.28	
7	0.26	0.19	0.19	0.24	0.21	0.22	0.17	0.37	0.56	0.45	0.14	0.04	0.02	0.01	0.06	0.41	1.01	1.38	1.45	0.86	1.16	1.17	1.27	1.75	0.57	1.75	0.01	
8	1.45	1.41	1.61	1.32	1.17	1.15	0.84	1.02	0.83	0.65	0.20	-0.23	-0.09	0.32	0.33	0.46	0.56	0.68	0.24	0.51	1.05	1.18	1.65	1.36	0.82	1.65	-0.23	
9	1.72	1.42	1.37	1.79	1.06	1.32	0.91	1.32	0.94	0.98	0.74	0.69	0.34	0.26	0.98	0.92	0.76	0.36	0.32	0.65	0.41	0.66	1.06	0.99	0.92	1.79	0.26	
10	1.34	1.12	0.97	0.91	1.02	1.37	1.85	1.33	1.31	0.73	0.36	0.48	0.75	0.87	0.72	0.86	0.50	0.29	0.69	0.86	0.55	0.30	0.29	0.86	0.85	1.85	0.29	
11	1.45	2.03	2.43	1.53	0.84	0.81	0.51	1.61	0.97	0.84	0.89	0.73	0.35	0.71	0.77	0.44	0.77	1.26	1.30	1.38	1.33	0.89	1.29	1.02	1.09	2.43	0.35	
12	0.62	0.95	1.19	1.13	1.01	1.36	1.45	1.15	1.59	1.07	1.54	0.58	0.56	0.68	0.92	1.16	1.83	1.46	1.20	0.71	1.31	0.89	1.04	1.32	1.11	1.83	0.56	
13	1.45	2.17	1.80	0.61	0.91	0.95	0.78	0.72	0.63	0.16	0.00	0.25	0.12	-0.02	-0.08	-0.01	0.01	0.03	0.05	0.07	0.09	0.08	0.06	0.05	0.45	2.17	-0.08	
14	0.03	0.04	0.04	0.02	0.00	-0.02	-0.03	-0.01	0.00	-0.06	-0.10	-0.11	-0.14	-0.12	-0.09	-0.04	0.01	0.04	0.10	0.06	0.04	0.22	-0.04	0.04	-0.01	0.22	-0.14	
15	0.00	0.13	0.26	0.37	0.31	0.20	0.48	1.00	0.82	0.09	-0.15	-0.16	-0.25	-0.26	-0.06	0.28	0.48	0.47	0.44	Pw	Pw	Pw	Pw	Pw	0.23	1.00	-0.26	
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	-0.15	-0.28	-0.19	1.19	2.45	2.25	2.23	1.71	1.49	1.46	1.11	1.21	1.21	-0.28	
18	1.63	1.29	0.75	0.20	0.34	-0.01	0.10	0.44	1.31	0.65	0.25	0.01	0.16	0.00	0.09	0.14	0.15	0.19	0.17	0.15	0.18	0.27	0.32	0.45	0.38	1.63	-0.01	
19	0.58	1.55	1.28	1.80	1.97	1.84	1.81	1.26	1.39	1.00	Au	Au	Au	Au	0.15	0.53	0.56	0.45	0.26	0.15	0.20	0.26	0.51	0.12	0.88	1.97	0.12	
20	0.27	1.17	1.12	0.94	0.88	1.08	2.19	0.61	0.84	0.89	0.03	-0.06	0.12	-0.01	0.07	0.19	0.51	0.41	0.37	0.60	0.17	0.29	0.45	0.51	0.57	2.19	-0.06	
21	0.20	0.21	0.26	0.10	0.14	0.09	0.15	0.08	0.27	0.19	0.13	0.07	0.10	0.18	0.18	0.23	0.33	0.31	0.40	0.35	0.48	1.47	0.66	1.49	0.34	1.49	0.07	
22	1.09	0.94	1.22	1.01	0.27	0.12	-0.04	0.00	0.00	0.04	0.07	-0.01	0.00	-0.01	-0.01	0.09	0.07	0.02	0.14	0.20	0.24	0.31	0.63	0.68	0.29	1.22	-0.04	
23	0.98	1.81	1.51	1.16	2.47	0.74	0.94	2.36	2.65	1.82	1.51	1.36	2.43	0.51	0.95	1.11	1.24	1.21	1.32	1.24	1.34	1.17	0.65	0.48	1.37	2.65	0.48	
24	0.53	0.80	0.58	0.35	0.22	0.15	0.34	0.51	0.20	0.36	0.53	0.07	0.23	0.10	0.07	0.10	0.00	-0.03	-0.02	0.05	0.05	0.15	0.11	0.14	0.23	0.80	-0.03	
25	0.08	0.13	0.14	0.08	0.09	0.12	0.13	0.07	0.00	0.15	0.31	0.27	0.41	0.30	0.31	0.62	1.24	2.66	1.66	2.25	2.04	1.55	1.66	2.05	0.76	2.66	0.00	
26	1.10	0.42	0.21	0.08	0.23	0.24	0.05	0.29	0.26	0.36	1.11	0.37	0.04	0.25	0.57	0.61	1.33	1.67	2.07	1.55	1.61	0.58	0.52	1.06	0.69	2.07	0.04	
27	2.01	1.00	0.87	1.62	0.31	0.04	0.04	0.10	-0.01	0.01	0.04	-0.01	-0.01	-0.07	-0.03	-0.04	0.10	0.21	0.26	0.01	-0.03	-0.04	-0.05	-0.03	0.26	2.01	-0.07	
28	-0.02	-0.05	-0.05	-0.01	0.03	0.07	0.07	0.27	0.37	0.19	-0.01	0.04	-0.01	-0.03	0.03	0.02	0.14	0.25	0.08	0.00	0.00	0.00	0.10	0.31	0.07	0.37	-0.05	
29	0.52	0.46	0.70	0.76	0.51	0.38	0.34	0.40	0.42	0.22	0.53	0.37	0.41	0.12	0.32	0.23	0.31	0.44	0.63	1.12	1.60	1.78	1.89	1.94	0.68	1.94	0.12	
30	1.60	1.58	1.40	1.06	1.32	1.62	1.48	1.57	1.89	2.06	1.30	1.15	1.08	1.35	1.69	0.92	1.52	1.44	1.43	1.91	1.32	0.81	0.87	0.56	1.37	2.06	0.56	
31	0.56	0.40	0.46	0.77	0.99	0.86	0.52	0.14	-0.09	-0.06	-0.02	0.73	0.48	0.06	0.44	0.62	1.25	1.26	1.22	1.63	0.90	1.18	1.23	1.66	0.72	1.66	-0.09	
Avg	0.97	1.02	0.95	0.89	0.82	0.78	0.80	0.83	0.81	0.59	0.41	0.32	0.27	0.19	0.29	0.37	0.64	0.78	0.73	0.76	0.76	0.72	0.81	0.91	0.68	1.83	0.04	
Max	3.14	3.60	2.66	3.36	2.91	2.88	2.72	2.76	2.65	2.06	1.54	1.36	2.43	1.35	1.69	1.16	1.83	2.66	2.25	2.25	2.04	1.78	1.89	2.40	1.37	3.60	0.56	
Min	-0.02	-0.05	-0.05	-0.01	0.00	-0.02	-0.04	-0.01	-0.09	-0.06	-0.15	-0.23	-0.25	-0.26	-0.28	-0.19	0.00	-0.03	-0.02	0.00	-0.03	-0.04	-0.05	-0.03	-0.01	0.22	-0.28	

A-18

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	0	0	0	0	0	0	1	51	119	261	287	256	160	212	231	182	149	71	0	0	0	0	0	0	83	287	0
2	0	0	0	0	0	0	6	18	58	132	178	147	331	255	162	146	67	20	0	0	0	0	0	0	63	331	0
3	0	0	0	0	0	0	17	176	337	487	585	664	665	588	518	381	196	69	0	0	0	0	0	0	195	665	0
4	0	0	0	0	0	0	15	127	228	259	551	645	660	576	507	382	195	43	0	0	0	0	0	0	175	660	0
5	0	0	0	0	0	0	12	147	311	464	429	659	633	606	479	341	101	42	0	0	0	0	0	0	176	659	0
6	0	0	0	0	0	0	14	132	321	355	371	576	610	474	474	298	204	40	0	0	0	0	0	0	161	610	0
7	0	0	0	0	0	0	5	126	241	382	Au	Au	Au	Au	426	338	213	44	0	0	0	0	0	0	89	426	0
8	0	0	0	0	0	0	9	86	247	379	540	472	519	555	485	344	194	16	0	0	0	0	0	0	160	555	0
9	0	0	0	0	0	0	3	63	208	385	539	707	461	323	401	338	144	28	0	0	0	0	0	0	150	707	0
10	0	0	0	0	0	0	3	115	290	438	548	611	620	575	478	340	180	30	0	0	0	0	0	0	176	620	0
11	0	0	0	0	0	0	7	42	93	204	427	467	228	154	117	159	27	2	0	0	0	0	0	0	80	467	0
12	0	0	0	0	0	0	2	20	30	117	265	194	141	273	210	97	48	23	0	0	0	0	0	0	59	273	0
13	0	0	0	0	0	0	6	92	281	418	531	601	612	549	224	238	160	8	0	0	0	0	0	0	155	612	0
14	0	0	0	0	0	0	2	51	142	295	389	416	522	339	270	236	66	10	0	0	0	0	0	0	114	522	0
15	0	0	0	0	0	0	0	31	121	244	306	489	444	528	448	82	21	4	0	0	0	0	0	0	113	528	0
16	0	0	0	0	0	0	3	69	271	416	523	516	470	392	341	106	63	7	0	0	0	0	0	0	132	523	0
17	0	0	0	0	0	0	3	83	279	409	532	601	599	507	404	232	165	20	0	0	0	0	0	0	160	601	0
18	0	0	0	0	0	0	1	46	183	451	400	515	377	239	391	295	138	11	0	0	0	0	0	0	127	515	0
19	0	0	0	0	0	0	2	65	267	407	514	574	582	534	436	300	140	10	0	0	0	0	0	0	160	582	0
20	0	0	0	0	0	0	2	67	247	393	501	560	565	514	417	282	119	7	0	0	0	0	0	0	153	565	0
21	0	0	0	0	0	0	5	21	35	66	311	405	312	321	273	76	12	0	0	0	0	0	0	0	77	405	0
22	0	0	0	0	0	0	1	54	263	394	503	563	568	514	411	265	117	5	0	0	0	0	0	0	152	568	0
23	0	0	0	0	0	0	0	29	98	283	225	411	440	330	167	71	51	2	0	0	0	0	0	0	88	440	0
24	0	0	0	0	0	0	0	33	74	189	196	230	222	228	207	85	30	1	0	0	0	0	0	0	62	230	0
25	0	0	0	0	0	0	1	60	225	363	477	561	463	401	211	105	38	3	0	0	0	0	0	0	121	561	0
26	0	0	0	0	0	0	0	17	144	197	490	399	323	496	400	264	108	3	0	0	0	0	0	0	118	496	0
27	0	0	0	0	0	0	0	12	63	89	90	176	214	130	84	80	35	1	0	0	0	0	0	0	41	214	0
28	0	0	0	0	0	0	1	52	228	344	461	525	530	524	364	194	38	1	0	0	0	0	0	0	136	530	0
29	0	0	0	0	0	0	0	15	155	353	334	542	340	336	132	52	32	0	0	0	0	0	0	0	95	542	0
30	0	0	0	0	0	0	0	36	192	322	292	433	489	319	350	222	56	1	0	0	0	0	0	0	113	489	0
31	0	0	0	0	0	0	0	22	79	271	403	343	487	465	300	87	38	2	0	0	0	0	0	0	104	487	0
Avg	0	0	0	0	0	0	4	63	188	315	407	475	453	409	333	213	101	17	0	0	0	0	0	0	122	505	0
Max	0	0	0	0	0	0	17	176	337	487	585	707	665	606	518	382	213	71	0	0	0	0	0	0	195	707	0
Min	0	0	0	0	0	0	0	12	30	66	90	147	141	130	84	52	12	0	0	0	0	0	0	0	41	214	0

A-19

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	0	0	0	0	0	0	0	9	65	161	415	499	443	382	290	66	3	0	0	0	0	0	0	0	97	499	0
2	0	0	0	0	0	0	0	19	28	48	124	173	381	159	52	33	15	0	0	0	0	0	0	0	43	381	0
3	0	0	0	0	0	0	0	16	121	188	433	465	458	393	174	164	44	0	0	0	0	0	0	0	102	465	0
4	0	0	0	0	0	0	0	9	30	64	55	84	77	117	46	14	5	0	0	0	0	0	0	0	21	117	0
5	0	0	0	0	0	0	0	16	113	203	298	340	455	205	139	68	23	0	0	0	0	0	0	0	78	455	0
6	0	0	0	0	0	0	0	9	46	99	151	177	208	154	187	130	41	0	0	0	0	0	0	0	50	208	0
7	0	0	0	0	0	0	0	12	78	195	424	271	233	141	118	96	44	0	0	0	0	0	0	0	67	424	0
8	0	0	0	0	0	0	0	33	214	150	347	419	404	369	373	148	32	0	0	0	0	0	0	0	104	419	0
9	0	0	0	0	0	0	0	11	47	74	35	32	37	38	23	11	5	0	0	0	0	0	0	0	13	74	0
10	0	0	0	0	0	0	0	7	49	101	171	181	201	129	93	58	13	0	0	0	0	0	0	0	42	201	0
11	0	0	0	0	0	0	0	17	116	306	438	415	455	420	311	180	38	0	0	0	0	0	0	0	112	455	0
12	0	0	0	0	0	0	0	16	168	295	402	460	470	419	322	193	41	0	0	0	0	0	0	0	116	470	0
13	0	0	0	0	0	0	0	13	167	295	399	460	466	418	321	191	37	0	0	0	0	0	0	0	115	466	0
14	0	0	0	0	0	0	0	6	52	113	213	250	337	228	131	83	20	0	0	0	0	0	0	0	60	337	0
15	0	0	0	0	0	0	0	9	131	272	378	439	448	400	304	177	34	0	0	0	0	0	0	0	108	448	0
16	0	0	0	0	0	0	0	4	44	128	153	264	311	318	325	180	31	0	0	0	0	0	0	0	73	325	0
17	0	0	0	0	0	0	0	9	103	255	368	433	439	390	295	169	31	0	0	0	0	0	0	0	104	439	0
18	0	0	0	0	0	0	0	4	51	124	191	210	245	280	152	56	13	0	0	0	0	0	0	0	55	280	0
19	0	0	0	0	0	0	0	6	57	174	355	414	446	346	228	96	31	0	0	0	0	0	0	0	90	446	0
20	0	0	0	0	0	0	0	6	87	125	159	271	425	309	180	74	17	0	0	0	0	0	0	0	69	425	0
21	0	0	0	0	0	0	0	4	46	91	254	294	421	327	179	47	10	0	0	0	0	0	0	0	70	421	0
22	0	0	0	0	0	0	0	2	37	105	306	410	390	153	138	186	25	0	0	0	0	0	0	0	73	410	0
23	0	0	0	0	0	0	0	2	18	73	306	434	393	378	162	84	12	0	0	0	0	0	0	0	78	434	0
24	0	0	0	0	0	0	0	2	22	55	166	277	179	479	268	83	6	0	0	0	0	0	0	0	64	479	0
25	0	0	0	0	0	0	0	0	18	46	90	106	106	99	69	42	6	0	0	0	0	0	0	0	24	106	0
26	0	0	0	0	0	0	0	0	10	27	32	45	31	35	22	11	4	0	0	0	0	0	0	0	9	45	0
27	0	0	0	0	0	0	0	0	14	16	35	95	111	102	158	234	27	0	0	0	0	0	0	0	33	234	0
28	0	0	0	0	0	0	0	0	19	44	171	165	170	264	273	68	4	0	0	0	0	0	0	0	49	273	0
29	0	0	0	0	0	0	0	0	21	20	62	208	242	179	128	48	9	0	0	0	0	0	0	0	38	242	0
30	0	0	0	0	0	0	0	1	24	104	230	335	411	361	266	140	15	0	0	0	0	0	0	0	79	411	0
Avg	0	0	0	0	0	0	0	8	67	132	239	288	313	266	191	104	21	0	0	0	0	0	0	0	68	346	0
Max	0	0	0	0	0	0	0	33	214	306	438	499	470	479	373	234	44	0	0	0	0	0	0	0	116	499	0
Min	0	0	0	0	0	0	0	0	10	16	32	32	31	35	22	11	3	0	0	0	0	0	0	0	9	45	0

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	0	0	0	0	0	0	0	3	46	142	302	322	395	176	178	182	25	0	0	0	0	0	0	0	74	395	0
2	0	0	0	0	0	0	0	2	60	210	316	379	392	347	256	133	10	0	0	0	0	0	0	0	88	392	0
3	0	0	0	0	0	0	0	1	36	91	130	176	371	357	255	131	13	0	0	0	0	0	0	0	65	371	0
4	0	0	0	0	0	0	0	0	11	39	103	106	94	86	41	29	4	0	0	0	0	0	0	0	21	106	0
5	0	0	0	0	0	0	0	1	13	26	97	131	189	92	66	28	4	0	0	0	0	0	0	0	27	189	0
6	0	0	0	0	0	0	0	0	17	78	216	315	366	288	32	49	8	0	0	0	0	0	0	0	57	366	0
7	0	0	0	0	0	0	0	1	47	189	303	358	367	330	234	117	8	0	0	0	0	0	0	0	81	367	0
8	0	0	0	0	0	0	0	0	22	74	187	391	378	200	102	84	6	0	0	0	0	0	0	0	60	391	0
9	0	0	0	0	0	0	0	2	46	113	190	249	383	314	86	40	5	0	0	0	0	0	0	0	60	383	0
10	0	0	0	0	0	0	0	0	30	116	260	151	152	175	126	52	6	0	0	0	0	0	0	0	45	260	0
11	0	0	0	0	0	0	0	1	31	72	113	151	196	185	76	49	18	0	0	0	0	0	0	0	37	196	0
12	0	0	0	0	0	0	0	0	15	60	96	234	331	330	204	61	6	0	0	0	0	0	0	0	56	331	0
13	0	0	0	0	0	0	0	0	12	109	302	182	103	66	61	70	6	0	0	0	0	0	0	0	38	302	0
14	0	0	0	0	0	0	0	0	14	71	126	164	168	129	91	35	5	0	0	0	0	0	0	0	33	168	0
15	0	0	0	0	0	0	0	0	26	106	241	258	235	300	164	56	10	0	0	Pw	Pw	Pw	Pw	Pw	73	300	0
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	44	202	0
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	146	202	126	12	0	0	0	0	0	0	0	49	245	0
18	0	0	0	0	0	0	0	0	28	134	218	245	219	197	70	48	7	0	0	0	0	0	0	0	19	194	0
19	0	0	0	0	0	0	0	1	25	87	Au	Au	Au	Au	194	62	4	0	0	0	0	0	0	0	49	261	0
20	0	0	0	0	0	0	0	1	26	104	146	200	215	261	165	53	6	0	0	0	0	0	0	0	45	271	0
21	0	0	0	0	0	0	0	0	8	70	157	213	271	130	112	105	12	0	0	0	0	0	0	0	50	297	0
22	0	0	0	0	0	0	0	0	20	84	155	183	297	221	154	50	28	0	0	0	0	0	0	0	44	219	0
23	0	0	0	0	0	0	0	0	16	61	117	202	189	219	161	64	15	0	0	0	0	0	0	0	13	59	0
24	0	0	0	0	0	0	0	0	11	35	40	41	53	59	41	34	4	0	0	0	0	0	0	0	67	335	0
25	0	0	0	0	0	0	0	0	18	60	170	299	335	309	268	140	14	0	0	0	0	0	0	0	47	280	0
26	0	0	0	0	0	0	0	0	6	44	101	174	280	229	112	157	22	0	0	0	0	0	0	0	47	341	0
27	0	0	0	0	0	0	0	0	14	62	122	164	341	247	132	46	3	0	0	0	0	0	0	0	20	101	0
28	0	0	0	0	0	0	0	0	7	27	48	65	71	74	101	75	12	0	0	0	0	0	0	0	54	272	0
29	0	0	0	0	0	0	0	0	19	74	158	231	234	272	219	81	10	0	0	0	0	0	0	0	88	392	0
30	0	0	0	0	0	0	0	0	38	191	299	369	392	361	278	150	23	0	0	0	0	0	0	0	72	371	0
31	0	0	0	0	0	0	0	0	9	48	167	352	371	342	263	147	23	0	0	0	0	0	0	0	51	279	0
Avg	0	0	0	0	0	0	0	0	23	89	174	225	264	222	148	82	11	0	0	0	0	0	0	0	88	395	0
Max	0	0	0	0	0	0	0	3	60	210	316	391	395	361	278	182	28	0	0	0	0	0	0	0	13	59	0
Min	0	0	0	0	0	0	0	0	6	26	40	41	53	59	32	28	3	0	0	0	0	0	0	0	13	59	0

A-21

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

Day	<< Hour >>																								Avg	Max	Min	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
1	24.42	24.40	24.39	24.37	24.35	24.34	24.34	24.34	24.34	24.34	24.34	24.31	24.29	24.27	24.26	24.25	24.23	24.22	24.22	24.22	24.22	24.23	24.24	24.24	24.30	24.42	24.22	
2	24.25	24.26	24.27	24.27	24.26	24.28	24.30	24.30	24.31	24.33	24.33	24.34	24.35	24.35	24.35	24.35	24.36	24.37	24.38	24.39	24.39	24.39	24.40	24.39	24.33	24.40	24.25	
3	24.38	24.37	24.36	24.34	24.34	24.32	24.31	24.31	24.29	24.28	24.28	24.26	24.25	24.25	24.25	24.25	24.24	24.26	24.26	24.26	24.26	24.25	24.24	24.24	24.29	24.38	24.24	
4	24.23	24.21	24.21	24.20	24.20	24.19	24.19	24.20	24.20	24.21	24.22	24.21	24.21	24.21	24.22	24.23	24.26	24.28	24.28	24.29	24.30	24.31	24.34	24.35	24.24	24.35	24.19	
5	24.36	24.38	24.40	24.41	24.41	24.43	24.44	24.45	24.47	24.48	24.50	24.50	24.50	24.50	24.50	24.51	24.52	24.53	24.53	24.53	24.52	24.53	24.53	24.53	24.48	24.53	24.36	
6	24.53	24.52	24.52	24.51	24.50	24.50	24.49	24.48	24.47	24.46	24.46	24.45	24.44	24.42	24.43	24.43	24.42	24.43	24.44	24.44	24.44	24.43	24.43	24.44	24.46	24.53	24.42	
7	24.45	24.45	24.47	24.48	24.50	24.52	24.54	24.55	24.57	24.59	24.60	24.60	24.59	24.58	24.57	24.57	24.57	24.58	24.59	24.60	24.60	24.60	24.60	24.60	24.56	24.60	24.45	
8	24.60	24.59	24.59	24.58	24.57	24.56	24.57	24.56	24.56	24.56	24.56	24.57	24.56	24.54	24.54	24.54	24.54	24.53	24.52	24.51	24.51	24.51	24.51	24.51	24.55	24.60	24.51	
9	24.51	24.51	24.51	24.50	24.50	24.49	24.50	24.49	24.49	24.49	24.50	24.49	24.47	24.44	24.43	24.43	24.43	24.43	24.43	24.42	24.42	24.42	24.43	24.43	24.47	24.51	24.42	
10	24.43	24.44	24.44	24.44	24.44	24.45	24.46	24.45	24.45	24.44	24.45	24.43	24.41	24.39	24.37	24.36	24.35	24.33	24.32	24.31	24.29	24.28	24.27	24.24	24.39	24.46	24.24	
11	24.22	24.21	24.20	24.18	24.19	24.20	24.21	24.21	24.22	24.23	24.24	24.22	24.20	24.19	24.19	24.18	24.18	24.18	24.17	24.17	24.18	24.20	24.20	24.21	24.20	24.24	24.17	
12	24.20	24.19	24.19	24.19	24.19	24.18	24.19	24.20	24.20	24.21	24.21	24.20	24.19	24.18	24.18	24.18	24.19	24.19	24.18	24.18	24.17	24.17	24.17	24.17	24.19	24.21	24.17	
13	24.16	24.17	24.16	24.16	24.16	24.16	24.16	24.16	24.18	24.19	24.21	24.20	24.21	24.21	24.23	24.25	24.27	24.29	24.30	24.32	24.32	24.34	24.34	24.35	24.23	24.35	24.16	
14	24.34	24.35	24.37	24.37	24.37	24.38	24.39	24.39	24.40	24.42	24.43	24.43	24.43	24.43	24.43	24.44	24.45	24.46	24.47	24.47	24.48	24.49	24.49	24.50	24.42	24.50	24.34	
15	24.50	24.50	24.50	24.50	24.49	24.49	24.49	24.49	24.49	24.50	24.49	24.48	24.46	24.45	24.44	24.44	24.45	24.45	24.44	Pw	Pw	Pw	Pw	Pw	24.48	24.50	24.44	
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	24.30	24.34	24.27	
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	24.27	24.27	24.28	24.27	24.28	24.29	24.31	24.31	24.32	24.33	24.34	24.30	24.34	24.27	
18	24.34	24.33	24.34	24.34	24.35	24.34	24.35	24.35	24.36	24.35	24.36	24.35	24.34	24.33	24.33	24.33	24.34	24.34	24.35	24.35	24.35	24.34	24.34	24.33	24.34	24.36	24.33	
19	24.32	24.32	24.33	24.32	24.32	24.32	24.33	24.33	24.33	24.33	Au	Au	Au	Au	24.26	24.26	24.26	24.26	24.27	24.27	24.28	24.28	24.28	24.30	24.30	24.33	24.26	
20	24.30	24.30	24.29	24.29	24.29	24.30	24.30	24.30	24.30	24.30	24.28	24.26	24.24	24.22	24.20	24.20	24.18	24.17	24.15	24.13	24.11	24.09	24.08	24.05	24.22	24.30	24.05	
21	24.03	24.00	23.98	23.97	23.94	23.92	23.92	23.91	23.91	23.92	23.92	23.94	23.94	23.95	23.97	23.99	24.02	24.06	24.08	24.10	24.11	24.12	24.14	24.15	24.00	24.15	23.91	
22	24.15	24.15	24.15	24.15	24.15	24.16	24.17	24.18	24.19	24.21	24.23	24.25	24.26	24.27	24.29	24.32	24.35	24.37	24.40	24.42	24.44	24.46	24.48	24.50	24.28	24.50	24.15	
23	24.51	24.53	24.54	24.55	24.56	24.57	24.57	24.58	24.57	24.57	24.57	24.55	24.52	24.51	24.48	24.47	24.46	24.44	24.44	24.42	24.41	24.39	24.37	24.33	24.50	24.58	24.33	
24	24.30	24.26	24.22	24.20	24.16	24.13	24.11	24.08	24.06	24.05	24.04	24.00	23.96	23.92	23.90	23.89	23.89	23.88	23.87	23.87	23.88	23.90	23.92	23.94	24.02	24.30	23.87	
25	23.97	23.99	24.02	24.06	24.08	24.10	24.12	24.15	24.17	24.20	24.21	24.21	24.21	24.21	24.21	24.23	24.25	24.28	24.29	24.30	24.30	24.30	24.30	24.31	24.19	24.31	23.97	
26	24.31	24.31	24.32	24.32	24.32	24.32	24.34	24.34	24.36	24.38	24.38	24.38	24.37	24.37	24.39	24.39	24.41	24.42	24.42	24.42	24.42	24.42	24.42	24.42	24.37	24.42	24.31	
27	24.40	24.39	24.39	24.39	24.39	24.38	24.37	24.38	24.38	24.37	24.37	24.35	24.32	24.32	24.31	24.31	24.31	24.30	24.29	24.27	24.26	24.24	24.23	24.20	24.33	24.40	24.20	
28	24.19	24.17	24.17	24.17	24.17	24.18	24.18	24.20	24.21	24.23	24.25	24.27	24.29	24.31	24.33	24.35	24.39	24.42	24.44	24.46	24.48	24.50	24.52	24.54	24.31	24.54	24.17	
29	24.54	24.55	24.56	24.57	24.59	24.61	24.63	24.64	24.66	24.69	24.70	24.70	24.69	24.69	24.69	24.71	24.72	24.73	24.74	24.75	24.76	24.76	24.77	24.77	24.68	24.77	24.54	
30	24.77	24.77	24.77	24.77	24.77	24.77	24.76	24.76	24.76	24.76	24.77	24.79	24.79	24.76	24.74	24.72	24.71	24.69	24.66	24.65	24.65	24.64	24.64	24.65	24.65	24.73	24.79	24.64
31	24.65	24.64	24.64	24.65	24.64	24.63	24.64	24.64	24.63	24.63	24.62	24.59	24.57	24.55	24.54	24.53	24.54	24.53	24.53	24.52	24.50	24.48	24.48	24.46	24.58	24.65	24.46	
Avg	24.36	24.35	24.36	24.35	24.35	24.35	24.36	24.36	24.36	24.36	24.37	24.38	24.37	24.36	24.35	24.34	24.35	24.36	24.36	24.36	24.36	24.36	24.36	24.36	24.36	24.44	24.27	
Max	24.77	24.77	24.77	24.77	24.77	24.77	24.76	24.76	24.76	24.76	24.77	24.79	24.79	24.76	24.74	24.72	24.71	24.72	24.73	24.74	24.75	24.76	24.76	24.77	24.73	24.79	24.64	
Min	23.97	23.99	23.98	23.97	23.94	23.92	23.92	23.91	23.91	23.92	23.92	23.94	23.94	23.92	23.90	23.89	23.89	23.88	23.87	23.87	23.88	23.90	23.92	23.94	24.00	24.15	23.87	

A-24

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	93.5	94.5	94.3	93.8	92.9	92.3	91.9	93.4	91.1	84.9	75.8	78.6	87.4	75.2	59.8	53.3	49.3	48.9	54.6	56.0	56.9	58.6	62.7	66.0	75.2	94.5	48.9
2	68.7	70.8	77.6	78.4	70.4	67.8	79.6	93.8	93.3	82.5	75.1	75.3	69.9	68.2	63.0	58.4	61.1	63.1	78.1	82.9	83.6	86.7	88.6	87.5	76.0	93.8	58.4
3	87.6	87.4	88.3	88.8	89.2	88.4	87.9	78.8	72.8	64.3	55.3	50.3	44.0	36.8	32.4	30.0	30.4	33.1	53.9	72.0	75.6	79.6	85.2	87.0	66.6	89.2	30.0
4	87.5	87.6	88.4	86.6	86.3	89.0	83.3	75.0	49.3	39.3	37.5	37.5	37.1	36.9	36.0	36.8	38.6	42.3	46.9	51.9	56.1	57.8	65.4	76.6	59.6	89.0	36.0
5	81.4	84.9	83.4	80.5	88.0	91.3	93.1	84.5	64.1	53.1	49.7	44.4	39.6	38.2	36.6	35.9	39.9	43.4	49.2	63.8	82.9	86.6	89.1	91.2	66.5	93.1	35.9
6	93.9	94.4	94.3	94.6	92.0	88.4	88.8	84.1	65.9	48.5	48.3	43.3	40.1	38.2	37.6	38.7	40.6	46.3	53.2	55.5	58.3	67.1	72.6	74.7	65.0	94.6	37.6
7	73.8	84.5	89.9	92.2	93.7	95.2	96.4	90.0	81.6	62.4	Au	Au	Au	Au	39.9	38.4	38.2	44.5	57.1	69.9	74.2	81.0	89.8	92.9	74.3	96.4	38.2
8	95.7	96.7	97.3	97.7	97.5	97.4	97.8	97.6	87.2	67.7	43.6	41.3	39.0	34.4	31.6	33.1	34.1	43.1	61.9	68.0	76.0	78.6	83.0	84.5	70.2	97.8	31.6
9	85.9	85.1	88.6	88.4	89.0	92.2	93.3	93.4	79.8	66.5	60.5	55.9	54.6	54.6	54.1	55.3	58.3	64.2	72.8	77.1	81.0	82.7	85.1	88.8	75.3	93.4	54.1
10	92.3	94.4	96.4	96.1	97.0	97.3	96.6	96.2	89.0	74.6	60.4	55.2	50.7	45.2	38.2	35.8	35.9	43.9	64.8	77.4	81.4	87.7	92.3	95.3	74.8	97.3	35.8
11	96.1	96.1	95.1	95.2	94.4	92.8	92.2	91.0	88.6	72.7	41.6	37.0	39.0	42.0	43.6	43.1	42.6	65.1	85.3	86.3	81.4	83.1	85.1	86.2	74.0	96.1	37.0
12	85.7	84.9	86.8	82.8	84.5	88.6	92.2	92.7	94.7	91.5	87.5	81.5	74.5	75.9	82.7	74.6	74.7	63.8	64.5	74.1	86.2	91.2	93.6	93.8	83.5	94.7	63.8
13	93.9	94.5	93.7	93.7	93.8	93.6	93.3	91.7	82.2	66.1	49.4	39.3	38.6	39.7	43.0	42.0	40.3	51.4	71.1	77.4	79.4	80.1	81.3	80.7	71.3	94.5	38.6
14	79.2	75.8	75.8	71.6	73.0	71.7	77.2	72.2	56.6	43.8	35.9	32.3	30.5	30.0	29.4	30.6	32.6	35.4	52.0	64.4	72.3	76.8	81.9	76.5	57.4	81.9	29.4
15	80.5	80.2	81.1	76.3	69.9	69.2	74.5	74.5	65.1	47.7	32.2	28.0	23.2	21.5	19.8	21.0	32.7	64.5	75.0	81.5	74.4	71.7	68.5	64.4	58.2	81.5	19.8
16	63.8	64.9	65.6	64.8	65.1	65.0	67.3	67.7	61.2	55.8	51.0	49.0	46.7	43.8	42.5	46.0	47.6	55.5	68.6	72.6	76.8	82.4	84.7	88.1	62.4	88.1	42.5
17	89.2	92.5	92.4	92.8	92.3	92.6	91.9	90.9	81.1	56.1	38.0	34.0	30.6	29.3	28.3	26.6	28.2	40.9	48.4	57.1	63.6	70.6	73.1	80.2	63.4	92.8	26.6
18	81.2	80.9	86.5	86.9	88.8	88.3	88.9	88.3	79.8	59.7	39.0	35.1	36.0	38.5	37.0	36.7	39.6	46.4	55.8	68.3	76.5	83.4	85.2	88.1	66.5	88.9	35.1
19	91.5	93.6	93.3	95.2	94.8	95.9	95.3	95.4	84.5	69.2	47.3	38.7	30.8	26.8	24.9	22.9	25.9	43.4	61.3	68.6	69.5	74.1	76.6	83.3	66.8	95.9	22.9
20	85.1	87.9	88.4	88.4	89.4	88.8	88.7	84.3	70.4	38.9	26.8	24.7	24.1	23.1	23.4	23.5	25.7	39.9	53.9	66.1	71.6	75.6	73.7	78.1	60.0	89.4	23.1
21	82.0	83.2	83.3	80.9	85.6	84.9	87.6	86.7	84.8	84.3	80.2	63.7	51.7	81.6	75.2	85.8	91.3	94.2	97.2	96.4	93.3	91.8	89.4	87.2	84.3	97.2	51.7
22	87.6	87.7	91.0	90.0	92.1	92.4	94.7	90.8	85.3	75.9	61.8	53.9	48.8	45.5	44.8	43.4	45.7	62.3	76.7	82.2	87.8	90.0	87.5	76.3	74.8	94.7	43.4
23	64.0	64.4	55.5	50.2	55.4	53.7	55.4	53.6	51.5	46.9	47.8	48.1	44.7	44.5	43.8	43.6	43.7	47.3	55.3	56.2	72.3	84.0	87.9	87.2	56.5	87.9	43.6
24	87.4	87.9	87.7	90.8	79.4	79.9	82.2	80.3	73.3	67.2	65.1	63.4	62.2	61.3	59.3	64.0	71.3	76.0	82.1	90.2	89.8	93.5	95.6	96.6	78.6	96.6	59.3
25	97.2	94.5	92.9	93.5	94.7	94.8	96.7	96.0	86.1	70.2	45.5	37.1	31.7	31.4	29.2	32.0	35.5	32.1	31.0	33.5	44.2	58.1	59.0	52.8	61.2	97.2	29.2
26	48.2	44.4	48.4	57.2	52.9	55.8	74.7	77.9	70.8	60.4	54.1	53.7	56.4	50.3	47.8	44.5	48.8	55.8	55.2	59.8	63.5	63.4	63.2	65.8	57.2	77.9	44.4
27	67.3	67.2	76.2	75.6	73.2	79.6	80.3	84.1	81.3	71.8	65.2	62.3	58.1	56.7	64.4	67.4	66.1	66.0	71.7	79.3	86.0	87.5	86.6	86.7	73.4	87.5	56.7
28	88.2	89.7	89.1	89.6	90.5	89.7	89.6	88.2	80.8	72.8	50.2	31.5	27.0	27.3	29.7	34.2	37.9	44.2	55.2	59.4	66.9	73.0	72.9	74.0	64.7	90.5	27.0
29	72.6	63.2	57.4	59.2	65.7	65.8	69.2	82.5	68.0	58.0	55.9	51.3	49.9	48.9	48.7	51.3	52.3	56.0	63.2	71.2	82.2	87.2	90.6	91.7	65.1	91.7	48.7
30	92.6	93.1	92.2	92.9	92.9	92.0	92.3	91.4	85.9	77.6	57.7	45.8	41.9	40.0	38.7	39.9	45.0	48.6	52.3	53.2	55.6	56.8	58.3	61.3	66.6	93.1	38.7
31	62.9	64.5	66.4	72.6	77.7	84.3	87.7	89.2	87.7	74.7	43.7	32.6	30.4	27.8	28.4	33.6	38.3	48.3	59.2	66.6	67.9	68.1	75.2	79.3	61.1	89.2	27.8
Avg	82.5	82.9	83.8	83.8	83.9	84.5	86.5	85.7	77.2	64.7	52.7	47.5	44.6	43.8	42.4	42.7	44.9	51.9	62.2	69.0	73.8	77.7	80.1	81.4	68.0	91.8	39.2
Max	97.2	96.7	97.3	97.7	97.5	97.4	97.8	97.6	94.7	91.5	87.5	81.5	87.4	81.6	82.7	85.8	91.3	94.2	97.2	96.4	93.3	93.5	95.6	96.6	84.3	97.8	63.8
Min	48.2	44.4	48.4	50.2	52.9	53.7	55.4	53.6	49.3	38.9	26.8	24.7	23.2	21.5	19.8	21.0	25.7	32.1	31.0	33.5	44.2	56.8	58.3	52.8	56.5	77.9	19.8

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	82.1	84.1	85.2	86.5	86.8	85.4	82.4	78.7	77.5	65.3	39.7	35.6	33.2	32.4	33.0	33.8	51.0	89.1	90.3	93.0	92.0	93.1	95.1	96.2	71.7	96.2	32.4
2	96.0	96.2	94.1	88.2	83.1	87.3	94.4	92.3	94.1	93.9	93.1	93.0	90.3	87.2	84.8	81.1	80.9	80.9	80.6	79.1	77.1	74.2	73.0	74.6	86.2	96.2	73.0
3	78.3	81.8	85.7	89.2	90.0	90.8	90.1	88.9	86.9	85.0	71.5	66.3	64.0	63.1	63.5	63.7	67.1	73.1	78.3	83.7	87.4	90.7	92.0	91.8	80.1	92.0	63.1
4	89.5	88.1	91.9	92.9	93.4	91.5	91.2	88.1	83.0	78.0	69.0	63.5	58.4	57.1	57.7	66.4	67.1	67.9	70.7	73.1	73.5	70.3	70.7	67.7	75.9	93.4	57.1
5	65.6	67.9	70.8	70.4	69.9	72.3	71.8	70.2	66.8	60.9	59.2	54.9	52.4	53.2	52.8	54.7	56.1	61.1	67.4	73.2	80.4	86.6	89.5	92.4	62.7	92.4	52.4
6	93.2	93.7	93.2	93.6	92.9	92.3	89.4	84.3	82.4	72.8	54.4	49.6	44.5	41.6	38.7	39.2	38.2	46.0	42.9	40.3	41.0	43.1	42.9	54.3	62.7	93.7	38.2
7	67.6	64.6	59.8	60.2	53.3	53.0	59.3	63.3	62.7	59.1	55.7	56.4	55.0	56.1	55.7	55.4	57.8	63.3	68.0	78.2	84.7	86.8	87.8	91.6	64.8	91.6	53.0
8	92.4	92.8	92.4	92.9	92.2	91.9	91.4	91.5	85.9	71.7	45.3	33.4	24.6	22.5	24.1	28.2	31.2	33.9	33.2	33.2	38.1	37.8	39.6	39.0	56.6	92.9	22.5
9	38.5	40.3	42.5	43.5	44.6	47.3	51.9	52.0	55.5	48.6	50.2	53.2	57.1	68.7	75.9	75.8	82.2	87.4	89.0	78.0	72.6	70.4	69.4	70.9	61.1	89.0	38.5
10	71.3	72.8	70.8	74.2	80.8	79.8	80.6	79.6	78.1	75.2	76.1	74.6	74.8	79.1	72.9	62.5	66.6	65.4	63.7	62.3	60.9	62.3	62.6	64.1	71.3	80.8	60.9
11	63.4	64.4	60.1	60.3	61.9	64.8	71.3	73.8	71.0	64.6	66.3	66.1	61.5	66.0	67.8	68.2	62.2	66.2	66.5	71.2	73.1	74.9	75.5	76.1	67.4	76.1	60.1
12	75.9	76.5	76.3	75.5	74.8	74.0	73.9	73.6	68.7	61.9	61.5	59.0	56.1	52.4	50.6	55.3	63.9	70.5	73.5	77.1	77.4	76.7	76.1	75.7	69.0	77.4	50.6
13	74.9	75.1	74.4	74.1	73.6	73.2	73.2	72.8	70.2	64.9	56.1	54.2	49.4	43.9	42.1	42.9	49.5	59.9	67.0	74.2	77.0	78.6	77.7	78.2	65.7	78.6	42.1
14	77.9	76.9	76.6	77.0	77.2	78.6	78.9	78.7	76.8	74.2	73.2	70.0	68.5	64.4	68.0	68.4	66.6	68.5	52.7	55.0	62.3	61.6	58.6	61.2	69.7	78.9	52.7
15	71.0	75.2	78.6	79.1	77.8	77.0	75.4	74.7	70.5	61.5	60.1	61.3	62.3	56.6	55.9	56.1	65.5	73.5	77.8	78.0	78.1	77.3	78.1	78.5	70.8	79.1	55.9
16	77.2	77.1	73.8	76.8	72.5	77.3	84.8	83.9	84.1	83.3	83.1	83.4	79.3	69.7	70.3	72.3	76.2	79.6	80.7	82.9	87.7	86.7	83.6	82.0	79.5	87.7	69.7
17	81.0	80.0	78.9	77.8	77.2	76.8	76.3	75.8	78.2	82.2	80.2	61.2	45.4	47.0	44.4	45.1	55.2	76.2	81.4	80.2	81.2	83.6	83.9	83.4	72.2	83.9	44.4
18	82.4	82.5	83.0	82.8	83.8	84.5	82.2	80.5	76.2	75.1	58.3	50.8	49.1	44.9	45.0	50.7	53.4	58.9	65.9	70.7	72.0	77.5	81.7	85.3	69.9	85.3	44.9
19	86.8	87.1	85.8	84.1	83.6	82.8	82.5	82.0	82.7	79.2	69.4	55.5	45.9	45.5	44.7	46.4	50.3	69.2	74.3	77.5	79.2	81.8	83.7	85.5	72.7	87.1	44.7
20	86.4	87.1	86.7	86.3	85.9	87.0	85.5	85.1	84.9	82.0	77.5	67.7	40.3	35.7	38.7	44.0	48.5	59.6	66.5	64.1	67.6	70.3	68.6	66.2	69.7	87.1	35.7
21	67.7	69.6	71.0	69.2	66.2	67.0	63.0	62.3	64.6	62.1	56.0	53.5	50.9	50.2	54.2	57.5	58.6	60.8	68.7	74.1	70.6	65.1	63.2	63.7	62.9	74.1	50.2
22	63.8	65.8	71.4	67.2	69.9	84.5	88.3	88.4	89.1	79.9	65.0	54.5	48.8	50.0	49.0	44.0	47.9	48.9	51.0	52.6	56.8	63.8	67.7	69.1	64.1	89.1	44.0
23	63.6	64.7	68.3	70.0	67.6	74.2	87.2	87.0	81.4	73.1	63.8	57.8	53.0	51.6	54.4	58.2	63.0	61.6	60.6	61.6	61.5	63.1	66.1	74.4	66.2	87.2	51.6
24	84.9	89.8	88.0	85.9	85.2	78.5	74.4	78.4	77.8	78.9	75.7	68.1	62.1	56.7	54.5	56.4	58.6	57.6	57.3	58.0	60.1	78.8	82.2	82.0	72.1	89.8	54.5
25	84.3	83.5	76.9	66.2	71.0	74.8	81.5	90.5	94.1	93.1	88.0	87.9	88.7	83.7	87.1	79.3	85.6	91.6	92.1	92.3	92.3	92.4	92.2	92.0	85.9	94.1	66.2
26	92.1	91.9	91.7	92.1	92.1	92.0	91.8	91.8	90.8	86.9	87.0	84.3	84.5	81.9	86.0	89.7	91.7	93.3	93.8	94.4	94.9	95.0	94.8	95.9	90.9	95.9	81.9
27	95.3	94.8	95.0	94.4	94.2	94.3	93.5	91.1	88.4	88.3	85.6	73.1	74.3	75.3	64.4	54.2	68.5	74.8	62.8	61.2	71.0	71.2	69.0	67.7	79.3	95.3	54.2
28	64.2	62.8	62.1	58.8	56.9	56.6	59.1	61.2	64.4	65.5	60.9	59.7	56.7	53.0	51.8	54.7	53.9	53.3	51.1	56.5	60.6	50.1	48.8	59.6	57.6	65.5	48.8
29	63.8	69.9	76.5	82.1	85.6	85.0	81.8	77.9	75.8	75.4	74.5	72.7	71.5	72.2	72.3	72.7	74.0	74.7	75.0	74.1	73.5	73.3	74.0	74.4	75.1	85.6	63.8
30	74.4	74.4	73.0	72.6	74.2	74.7	74.7	75.3	74.9	71.5	63.5	63.5	61.0	59.2	50.2	56.8	74.6	82.0	81.3	79.8	78.1	77.6	76.2	76.7	71.7	82.0	50.2
Avg	76.8	77.7	77.8	77.5	77.3	78.3	79.4	79.1	77.9	73.8	67.3	62.8	58.8	57.4	57.0	57.8	62.2	68.3	69.5	71.0	72.8	73.8	74.1	75.7	71.0	86.6	51.9
Max	96.0	96.2	95.0	94.4	94.2	94.3	94.4	92.3	94.1	93.9	93.1	93.0	90.3	87.2	87.1	89.7	91.7	93.3	93.8	94.4	94.9	95.0	95.1	96.2	90.9	96.2	81.9
Min	38.5	40.3	42.5	43.5	44.6	47.3	51.9	52.0	55.5	48.6	39.7	33.4	24.6	22.5	24.1	28.2	31.2	33.9	33.2	33.2	38.1	37.8	39.6	39.0	56.6	65.5	22.5

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	76.6	76.6	77.5	77.3	77.5	78.4	79.1	78.4	78.7	82.0	84.6	85.1	46.1	43.4	49.5	52.2	57.0	59.2	61.4	64.7	71.9	71.9	67.2	66.3	69.3	85.1	43.4
2	63.7	62.3	62.9	63.7	61.3	62.4	66.1	61.0	59.1	57.6	55.0	50.9	51.7	52.1	51.3	50.6	53.3	60.1	70.2	76.5	81.0	81.6	83.8	83.4	63.4	83.8	50.6
3	82.7	81.9	82.4	82.8	83.2	83.6	83.1	83.3	82.9	81.0	78.1	71.3	55.9	47.3	37.6	44.1	63.9	77.3	82.6	82.9	84.7	85.8	87.0	87.8	75.5	87.8	37.6
4	85.8	86.1	85.9	86.3	86.0	89.2	91.7	92.3	94.1	93.4	89.8	86.8	85.2	83.7	85.1	86.7	89.5	90.9	94.8	96.6	96.8	97.0	96.7	96.3	90.3	97.0	83.7
5	96.9	97.1	97.4	97.7	97.5	97.6	97.6	97.6	97.2	95.1	91.9	89.6	86.2	85.0	89.0	91.3	94.9	95.3	95.1	96.4	97.2	96.8	96.0	94.6	94.6	97.7	85.0
6	94.9	93.7	93.3	93.1	92.8	92.1	91.8	92.4	92.5	93.5	93.9	83.7	59.2	56.5	75.1	86.4	87.7	82.8	80.3	81.4	82.8	80.1	80.3	75.5	84.8	94.9	56.5
7	76.0	70.8	69.1	68.8	69.2	69.6	72.6	71.7	73.1	68.7	65.2	62.8	61.1	58.1	54.2	53.5	60.9	70.1	77.2	80.9	83.9	88.5	89.2	90.8	71.1	90.8	53.5
8	90.3	90.6	89.6	89.9	88.9	89.2	89.0	88.4	88.1	87.1	82.2	71.1	51.0	53.0	55.8	57.5	56.9	64.7	75.4	80.2	84.8	88.9	91.5	92.0	79.0	92.0	51.0
9	91.1	92.7	91.4	91.3	91.3	90.9	90.2	89.9	89.5	88.6	88.1	76.3	56.8	46.8	49.5	58.7	66.9	75.0	79.5	82.8	82.3	84.5	88.7	89.0	80.5	92.7	46.8
10	91.0	91.6	92.1	91.8	92.7	94.4	94.8	94.2	94.7	92.1	79.9	76.3	70.5	66.3	61.0	66.8	72.9	75.1	75.5	77.6	79.5	78.3	79.2	84.1	82.2	94.8	61.0
11	84.3	78.0	69.0	52.8	40.9	40.7	41.5	45.4	42.2	37.6	36.8	38.6	39.8	40.2	39.9	40.9	42.8	55.2	54.7	50.4	54.9	57.4	60.4	50.6	49.8	84.3	36.8
12	53.9	58.2	53.4	52.1	50.8	66.9	61.4	55.3	56.0	46.5	45.7	40.7	39.5	36.6	35.0	36.0	40.2	47.3	63.8	68.0	76.2	77.9	81.1	81.0	55.1	81.1	35.0
13	69.2	64.7	66.9	70.1	74.4	80.3	82.3	83.9	83.8	78.7	69.5	68.6	78.8	93.9	95.6	92.0	91.0	90.1	89.5	85.8	82.8	82.2	82.3	81.9	80.8	95.6	64.7
14	81.5	80.5	81.0	81.6	82.2	83.0	83.1	82.3	80.3	79.0	74.2	72.2	70.0	71.0	72.2	70.9	76.3	80.3	78.2	75.9	80.9	84.0	87.6	88.0	79.0	88.0	70.0
15	88.9	88.9	89.9	90.6	89.7	89.5	89.7	87.7	86.9	83.2	76.7	75.5	75.4	69.7	74.1	76.5	79.1	80.0	82.5	Pw	Pw	Pw	Pw	Pw	82.9	90.6	69.7
16	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw			
17	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	79.2	70.4	68.7	85.3	92.9	90.2	87.8	86.4	84.6	84.2	83.6	83.0	92.9	68.7
18	83.6	83.9	84.9	86.8	87.5	88.8	89.3	89.9	90.1	90.2	91.4	88.6	77.3	61.3	65.0	69.3	73.0	81.7	85.5	84.7	84.4	86.3	86.3	86.0	83.2	91.4	61.3
19	88.2	91.4	92.6	91.6	90.1	88.8	87.9	87.6	86.8	87.1	Au	Au	Au	Au	60.8	65.4	71.2	75.6	80.7	89.1	87.6	89.0	85.9	83.9	84.1	92.6	60.8
20	79.4	81.9	84.5	75.5	69.1	74.2	82.9	86.1	85.6	82.9	79.2	73.3	68.8	61.3	64.5	66.1	70.4	72.9	68.5	73.0	71.2	74.6	77.3	78.2	75.1	86.1	61.3
21	75.3	79.3	76.1	89.3	94.0	93.7	94.5	96.4	93.0	82.2	78.1	73.3	64.4	58.4	59.0	53.6	51.0	60.3	64.2	65.9	67.9	72.6	76.9	80.8	75.0	96.4	51.0
22	83.2	84.2	82.2	86.3	91.7	93.9	93.8	92.8	89.6	87.1	81.9	84.9	83.1	84.7	87.2	87.3	87.4	90.7	90.2	86.6	92.4	90.0	91.6	92.4	88.1	93.9	81.9
23	92.5	91.6	89.7	88.2	86.6	86.5	86.7	84.9	83.4	84.3	82.1	79.9	80.0	74.0	70.0	76.1	84.1	88.8	88.6	88.8	87.7	87.4	88.6	89.1	85.0	92.5	70.0
24	89.8	87.8	83.0	82.6	81.0	86.0	87.3	85.1	83.8	79.1	77.3	66.1	69.9	79.1	82.2	82.7	92.8	95.5	95.5	88.4	88.3	91.0	88.7	80.2	84.3	95.5	66.1
25	79.3	77.4	72.0	69.2	76.0	74.2	72.6	77.7	82.4	79.7	78.3	73.0	78.6	83.4	82.7	83.6	87.7	85.9	83.6	82.9	81.6	80.3	78.9	78.6	79.1	87.7	69.2
26	80.6	81.0	82.5	83.5	83.5	84.3	84.8	84.8	85.6	85.6	85.0	78.6	81.1	80.2	80.1	76.1	84.0	85.3	82.5	82.0	80.7	82.2	83.3	83.9	82.5	85.6	76.1
27	84.1	85.9	86.6	86.1	82.3	78.8	80.2	80.1	82.2	80.3	78.0	75.8	73.1	73.2	75.8	82.6	88.2	85.4	81.4	84.0	88.0	88.6	88.9	90.0	82.5	90.0	73.1
28	90.3	90.7	91.1	90.9	90.8	90.9	90.7	90.6	90.3	89.5	87.9	85.4	82.0	81.1	73.2	74.5	75.9	69.5	68.8	69.5	71.4	75.0	77.2	76.3	82.2	91.1	68.8
29	77.5	80.4	80.1	79.9	78.9	78.9	78.6	78.5	74.4	71.4	67.8	62.4	65.6	64.2	66.1	67.3	66.4	67.5	71.3	73.5	75.5	76.1	73.7	73.4	72.9	80.4	62.4
30	70.3	70.7	69.4	68.7	67.7	66.7	65.9	64.4	64.1	63.6	66.0	64.8	65.8	62.8	66.9	66.6	72.8	76.5	75.9	74.7	74.6	75.8	76.5	78.2	69.6	78.2	62.8
31	76.6	73.9	73.6	76.0	77.7	78.6	76.5	78.1	77.4	75.9	70.6	63.1	45.7	44.8	39.8	47.4	62.8	73.9	77.9	80.0	82.4	82.2	81.6	81.6	70.8	82.4	39.8
Avg	82.0	81.9	81.0	80.8	80.5	81.8	82.3	82.1	81.6	79.4	76.3	72.1	66.5	65.2	65.6	67.7	72.9	76.9	78.9	79.7	81.4	82.4	83.1	82.7	77.7	89.8	60.6
Max	96.9	97.1	97.4	97.7	97.5	97.6	97.6	97.6	97.2	95.1	93.9	89.6	86.2	93.9	95.6	92.0	94.9	95.5	95.5	96.6	97.2	97.0	96.7	96.3	94.6	97.7	85.0
Min	53.9	58.2	53.4	52.1	40.9	40.7	41.5	45.4	42.2	37.6	36.8	38.6	39.5	36.6	35.0	36.0	40.2	47.3	54.7	50.4	54.9	57.4	60.4	50.6	49.8	78.2	35.0

A-27

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

Day	<< Hour >>																								Tot	Max
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.050	0.130	0.070	0.000	0.000	0.000	0.260	0.130	
2	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	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	
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.040
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	
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	
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.060	
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	
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	
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	
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	
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	
22	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	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	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	
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	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	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	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	
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	0.010	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.030	0.010	
27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Tot	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.000	0.020	0.010	0.020	0.070	0.010	0.010	0.020	0.010	0.040	0.030	0.060	0.130	0.070	0.000	0.000	0.000	0.530	0.000
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.010	0.010	0.010	0.060	0.010	0.010	0.010	0.010	0.040	0.010	0.050	0.130	0.070	0.000	0.000	0.000	0.260	0.130

A-29

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

Day	<< Hour >>																								Tot	Max	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Tot																											
Max																											

A-30

APPENDIX B: PERFORMANCE AUDIT REPORTS
FOURTH QUARTER 2014



PRELIMINARY METEOROLOGICAL AUDIT REPORT

Client : Tintina Resources
 SITE : Black Butte DATE : 12/19/14

Audit Start Time : 10:50 MST Audit End Time : 13:30 MST

Temperature

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

Temperature bath results

	19m	19m	2m	2m	19m - 2m
Audit Value	DAS Value	DAS Diff.	DAS Value	DAS Diff.	DAS Diff.
oC	oC	oC	oC	oC	oC
-10.00	-9.61	0.39	-9.85	0.15	-0.24
19.65	19.36	-0.29	19.70	0.05	0.34
49.44	49.04	-0.40	49.60	0.16	0.56

Wind Direction

Alignment Audit Device : Sokkia Transit-Magnetic

Model Number : 116
 Linearity Audit Device : Climatronics
 Model Number : 101966 Serial Number : 72
 Sensor height : 10 Meter
 Sensor Make : Climatronics
 Model Number : 102083 Serial Number : K2336C

Setpoint	Linearity Check from DAS (as found)			
	Clockwise	Counter-CW	Diff CW	Diff CCW
0	0.7	0.6	0.7	0.6
30	30.8	30.8	0.8	0.8
60	63.9	60.3	3.9	0.3
90	90.0	90.2	0.0	0.2
120	120.0	119.8	0.0	-0.2
150	149.6	149.5	-0.4	-0.5
180	179.8	180.0	-0.2	0.0
210	210.3	210.2	0.3	0.2
240	241.8	240.2	1.8	0.2
270	270.1	270.6	0.1	0.6
300	303.2	300.5	3.2	0.5
330	331.1	330.9	1.1	0.9
		Max Diff	3.9	0.8

Crossarm Orientation : N-S
 Magnetic Declination : 12
 Measured Degrees : 12
 Sensor response aligned with crossarm (as found) : 0.7
 Sensor response aligned with crossarm (as left) : 0.7

Setpoint	Linearity Check from DAS (as left)			
	Clockwise	Counter-CW	Diff CW	Diff CCW
0	2	2	2.1	2.2
90	91	91	1.4	1.4
180	180	182	0.4	2.2
270	271	269	1.2	-0.8
		Max Diff	2.1	2.2

Wind Speed

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

Synchronous motor checks

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

Relative Humidity

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

Audit Dry-Bulb: oC To cold	Audit Wet-Bulb oC To cold	Audit Audit RH %RH To cold	Audit Station RH %RH To cold	Audit Diff %RH To cold
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Barometric Pressure

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

Audit Value In Hg 24.16	Station Value In Hg 24.28	Audit Diff. In Hg 0.12
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Precipitation

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

Known Value ML 250.0 250.0	Known Value Bucket Tips 30 30	Station Value Bucket Tips 31 31	% Diff 2.1 2.1
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Signature Site Operator : 

Signature Auditor : 

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