

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

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

Day	<< Hour >>																								Avg	Max	Min	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw				
2	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			
3	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			
4	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			
5	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			
6	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			
7	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			
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	6.0	6.8	6.5	5.8	4.7	5.1	4.6	3.7	1.6	2.3	1.9	1.8	0.7	0.8	3.7	6.8	0.7	
9	0.7	1.0	0.6	0.5	0.8	0.5	0.5	0.9	0.7	3.7	7.5	8.7	9.2	9.1	8.5	7.4	5.8	5.4	2.6	1.4	1.3	2.1	3.0	1.4	3.5	9.2	0.5	
10	1.0	1.3	1.2	0.9	1.1	1.0	0.9	0.7	0.5	0.6	3.9	4.3	5.0	4.7	5.2	5.4	6.2	5.8	3.8	3.6	2.3	3.7	2.6	1.1	2.8	6.2	0.5	
11	0.6	0.7	1.0	1.0	0.6	0.8	2.1	3.5	3.5	3.3	5.8	6.6	7.0	5.8	5.2	4.4	3.7	2.5	1.8	1.5	1.1	1.2	0.8	0.9	2.7	7.0	0.6	
12	1.1	0.6	0.7	0.9	0.6	1.0	0.6	0.3	0.7	0.8	4.8	4.5	3.0	3.1	2.6	3.6	5.6	4.6	1.6	1.1	1.9	1.7	1.5	0.8	2.0	5.6	0.3	
13	0.6	1.1	0.9	1.3	0.9	0.8	0.7	0.4	0.5	1.0	1.8	2.3	2.1	4.6	2.5	1.9	4.1	3.0	2.7	1.3	3.1	1.8	0.7	1.6	1.7	4.6	0.4	
14	2.2	2.7	1.6	3.2	2.8	3.7	2.9	1.1	1.2	1.5	1.5	1.3	1.9	2.1	2.9	2.5	2.7	2.1	1.8	1.4	1.3	1.2	1.0	0.9	2.0	3.7	0.9	
15	1.3	1.3	1.0	1.1	0.6	0.6	0.7	0.8	0.8	0.6	1.9	3.7	3.8	3.4	3.1	3.4	3.1	2.2	2.3	3.2	1.7	1.3	1.6	0.9	1.8	3.8	0.6	
16	1.2	1.1	0.7	0.6	0.6	0.7	0.6	0.6	0.6	0.9	4.1	5.5	4.7	4.8	5.7	5.4	5.1	3.6	3.2	1.8	1.3	1.1	1.1	1.1	2.3	5.7	0.6	
17	1.3	1.3	1.6	0.7	0.7	0.6	0.6	0.6	0.4	0.4	0.4	1.7	4.6	6.2	6.8	5.2	5.9	7.4	5.5	5.8	5.3	3.7	3.9	4.3	3.1	7.4	0.4	
18	5.0	4.7	1.7	1.1	0.7	0.7	0.4	0.4	0.4	0.5	1.2	2.8	3.6	4.9	5.2	5.0	4.3	1.4	1.7	1.8	1.5	1.0	0.9	1.2	2.2	5.2	0.4	
19	1.2	1.1	0.9	0.8	1.1	0.6	0.6	0.9	1.0	1.3	3.2	6.2	5.5	5.7	7.6	7.0	6.4	4.4	3.1	3.9	4.2	3.8	2.7	2.6	3.2	7.6	0.6	
20	2.4	1.8	3.3	3.6	1.6	3.1	1.6	1.0	1.5	3.2	3.4	3.6	3.1	3.5	4.9	5.1	4.0	1.7	3.6	3.0	1.4	0.8	0.9	0.7	2.6	5.1	0.7	
21	0.9	0.8	0.7	0.5	0.8	0.8	0.7	0.8	0.7	0.8	1.6	4.7	5.8	6.4	6.7	6.5	5.9	3.2	1.6	4.1	3.2	2.2	1.2	1.1	2.6	6.7	0.5	
22	0.7	1.4	1.2	1.4	1.4	1.0	1.1	0.5	0.7	0.7	3.3	4.5	4.2	4.8	4.5	4.9	3.9	1.4	2.7	3.7	2.5	1.7	1.1	0.8	2.3	4.9	0.5	
23	1.2	0.4	0.4	0.8	0.5	0.6	0.9	0.7	0.5	0.5	0.7	3.0	4.0	3.9	4.0	3.8	3.3	1.9	2.8	2.2	1.5	1.6	1.4	0.9	1.7	4.0	0.4	
24	0.9	0.7	0.8	0.7	0.4	0.4	0.5	0.4	0.3	0.6	0.6	2.9	3.8	2.2	1.8	1.7	1.8	2.2	3.6	4.1	3.3	2.6	1.9	0.7	1.6	4.1	0.3	
25	1.0	0.7	0.6	0.7	0.7	1.0	1.1	0.7	0.8	0.4	1.7	4.7	5.9	5.9	6.4	5.3	3.1	1.4	2.1	3.5	2.7	2.3	1.9	1.0	2.3	6.4	0.4	
26	1.0	0.8	1.0	0.9	1.0	0.9	0.7	1.1	0.5	0.5	2.7	4.7	4.8	5.4	7.1	7.1	3.7	2.3	2.5	2.1	1.7	1.2	1.2	1.4	2.3	7.1	0.5	
27	1.3	1.6	1.6	1.6	1.5	0.9	0.7	0.7	0.6	0.7	0.9	2.4	2.9	4.0	6.8	8.4	4.0	3.3	4.3	3.5	3.9	6.5	7.9	4.3	3.1	8.4	0.6	
28	6.2	5.6	5.0	4.7	4.6	3.8	2.7	4.6	5.3	4.6	4.0	4.5	3.7	3.9	3.9	3.9	3.1	2.5	2.4	4.1	4.2	4.5	4.1	4.2	4.2	6.2	2.4	
29	3.7	4.4	4.2	3.9	3.1	2.2	2.1	3.0	1.9	2.6	2.8	2.1	2.0	1.6	1.6	1.2	1.0	0.8	1.6	1.9	1.5	1.5	0.9	1.7	2.2	4.4	0.8	
30	1.4	1.0	0.9	0.8	1.2	1.0	0.9	0.7	0.9	1.1	4.4	4.5	4.7	5.1	5.2	5.1	4.0	2.9	1.8	1.2	1.2	0.9	1.4	1.2	2.2	5.2	0.7	
31	1.1	1.1	1.8	2.9	1.3	1.2	2.9	2.3	2.3	1.9	4.4	8.1	9.3	7.8	6.4	5.8	4.1	5.1	6.3	5.3	4.4	1.8	1.7	1.0	3.8	9.3	1.0	
Avg	1.7	1.6	1.5	1.5	1.2	1.2	1.2	1.2	1.1	1.4	3.0	4.3	4.6	4.8	5.0	4.8	4.1	3.1	2.8	2.8	2.4	2.2	1.9	1.5	2.6	6.0	0.6	
Max	6.2	5.6	5.0	4.7	4.6	3.8	2.9	4.6	5.3	4.6	7.5	8.7	9.3	9.1	8.5	8.4	6.4	7.4	6.3	5.8	5.3	6.5	7.9	4.3	4.2	9.3	2.4	
Min	0.6	0.4	0.4	0.5	0.4	0.4	0.4	0.3	0.3	0.4	0.4	1.3	1.9	1.6	1.6	1.2	1.0	0.8	1.6	1.1	1.1	0.8	0.7	0.7	1.6	3.7	0.3	

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November 2013

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	0.9	0.6	0.7	0.6	1.4	0.7	1.1	0.9	1.2	2.7	7.0	8.8	8.5	8.9	8.7	7.1	5.1	2.4	1.6	1.9	1.5	1.2	1.2	1.1	3.2	8.9	0.6
2	1.6	1.0	1.3	1.2	1.7	1.8	1.5	1.4	2.2	2.0	3.7	4.7	5.1	4.9	4.3	6.6	5.8	4.1	5.0	6.2	1.6	1.4	2.9	6.3	3.3	6.6	1.0
3	6.9	6.2	5.5	3.8	2.8	4.6	5.6	6.1	8.8	6.8	7.7	7.8	7.4	6.7	6.9	5.4	5.4	4.6	3.9	2.4	2.9	1.8	1.6	0.8	5.1	8.8	0.8
4	0.8	1.2	0.8	0.6	1.0	1.0	0.2	0.2	0.2	0.2	0.9	2.0	3.7	3.3	4.0	3.9	3.1	1.8	2.1	1.6	0.9	0.9	0.5	0.9	1.5	4.0	0.2
5	0.4	0.8	1.0	0.9	1.0	1.6	1.1	3.2	4.3	5.3	5.5	6.0	6.9	7.6	6.4	5.2	4.7	4.2	2.6	1.0	1.0	0.9	1.2	0.9	3.1	7.6	0.4
6	0.7	0.4	0.6	0.7	1.2	2.8	2.9	1.6	1.0	1.5	7.0	8.9	9.4	8.8	8.2	7.0	5.4	4.5	2.1	2.0	3.0	1.8	2.0	1.3	3.5	9.4	0.4
7	0.8	0.7	0.9	1.0	0.8	0.8	0.5	1.4	1.7	2.6	4.2	3.3	3.3	4.3	5.7	5.3	3.5	2.4	5.5	5.6	3.7	2.9	5.3	7.2	3.1	7.2	0.5
8	5.0	5.3	5.4	5.8	5.3	6.8	7.1	5.8	6.6	6.6	7.1	6.9	6.2	6.4	5.2	4.7	4.6	5.5	4.7	4.0	3.5	5.2	4.8	5.0	5.6	7.1	3.5
9	4.4	2.5	2.2	3.3	2.4	1.8	3.7	2.3	2.6	1.6	1.9	4.0	3.4	1.7	2.4	2.1	2.0	3.1	2.9	2.8	3.4	3.2	2.6	2.5	2.7	4.4	1.6
10	0.8	0.8	0.9	0.7	0.6	1.1	0.6	0.7	0.4	0.6	0.9	1.2	0.9	0.9	2.5	2.8	1.0	1.3	1.4	1.2	0.7	0.9	1.0	1.3	1.0	2.8	0.4
11	0.7	0.9	1.5	2.7	1.0	0.5	0.9	0.5	0.8	0.7	0.4	0.8	0.6	0.7	0.9	1.2	1.7	2.1	2.3	2.0	1.9	1.5	1.7	1.5	1.2	2.7	0.4
12	1.5	1.8	1.7	1.5	1.8	1.8	2.0	3.3	3.6	4.7	3.7	3.3	3.3	2.4	2.3	1.5	3.1	4.5	3.2	2.7	2.1	1.7	1.6	1.1	2.5	4.7	1.1
13	1.2	2.1	2.9	4.3	2.7	3.4	6.0	4.2	2.5	7.0	10.1	10.0	9.2	12.1	9.1	10.2	9.6	7.3	8.5	4.0	2.1	3.8	4.1	2.9	5.8	12.1	1.2
14	1.2	2.1	2.2	3.9	6.7	6.1	4.9	5.2	3.8	3.3	2.9	4.3	3.9	3.7	3.3	2.8	1.7	1.4	1.5	2.0	1.3	1.8	2.3	3.0	3.1	6.7	1.2
15	1.3	1.1	2.1	3.3	5.7	6.6	6.3	7.2	7.3	8.2	7.7	8.4	8.2	8.1	7.3	5.2	4.9	1.4	2.6	3.5	2.7	4.3	4.1	4.4	5.1	8.4	1.1
16	5.2	3.1	2.7	1.3	2.0	2.7	2.8	2.3	2.7	2.9	3.8	2.6	3.5	3.6	6.5	3.6	1.8	5.4	4.6	2.5	1.2	1.1	0.9	0.9	2.9	6.5	0.9
17	2.1	1.4	2.1	2.1	2.1	1.9	2.3	1.0	1.5	4.7	3.8	7.5	8.8	8.8	9.2	8.9	7.1	6.1	1.6	0.8	2.3	2.4	1.0	1.0	3.8	9.2	0.8
18	2.3	1.5	1.5	1.6	2.1	2.0	1.1	1.5	1.7	1.4	1.3	3.4	2.5	3.5	3.8	4.3	2.9	1.9	4.7	3.5	3.0	2.3	2.5	2.3	2.4	4.7	1.1
19	4.5	2.8	1.2	7.0	6.9	5.4	6.5	7.2	7.2	6.0	8.5	8.5	7.4	7.0	5.6	6.8	7.5	4.4	6.1	7.4	6.8	3.4	2.9	2.4	5.8	8.5	1.2
20	1.2	1.2	1.0	1.2	1.1	1.3	5.2	3.3	4.0	4.0	4.0	4.4	5.0	4.2	2.9	2.4	2.2	1.5	0.9	1.1	1.1	1.2	0.7	1.0	2.3	5.2	0.7
21	0.7	0.6	0.5	0.7	0.8	1.0	1.1	0.6	0.7	0.8	0.8	2.5	2.7	1.9	3.1	2.1	1.9	3.3	3.7	2.0	1.4	1.6	1.3	1.4	1.5	3.7	0.5
22	1.0	1.1	1.4	0.9	1.3	1.3	0.6	0.8	0.8	0.7	0.3	2.2	3.0	2.7	2.4	2.3	1.5	3.0	3.8	3.3	3.4	4.0	3.2	2.7	2.0	4.0	0.3
23	2.4	2.0	1.7	1.4	1.3	1.7	1.3	1.2	0.9	0.6	0.6	0.7	0.8	1.2	1.2	1.0	2.1	2.5	2.5	1.8	1.5	1.2	0.9	1.1	1.4	2.5	0.6
24	1.3	1.0	0.8	0.9	0.7	0.9	1.2	0.7	0.9	0.8	0.8	0.7	1.0	2.9	3.4	2.6	1.4	2.1	2.2	1.6	0.8	1.3	1.0	1.3	1.3	3.4	0.7
25	1.6	1.0	1.0	1.3	0.7	1.4	1.3	1.0	0.7	0.6	0.5	1.2	4.4	5.1	5.3	3.8	1.6	1.6	2.1	1.6	1.6	1.7	1.0	1.5	1.8	5.3	0.5
26	1.6	1.4	1.6	0.8	1.1	1.3	1.1	1.4	1.3	0.5	0.5	0.6	1.7	2.6	4.0	3.1	2.3	3.4	2.6	2.2	1.2	1.2	1.1	0.7	1.6	4.0	0.5
27	0.7	1.2	0.5	0.6	0.9	0.8	1.0	1.0	0.9	0.9	0.6	1.0	3.3	4.8	2.3	0.9	2.5	3.0	2.2	1.2	1.0	1.0	0.5	0.8	1.4	4.8	0.5
28	0.9	0.4	0.8	0.8	0.6	0.7	0.5	0.7	0.5	0.5	0.3	0.4	0.6	3.7	3.4	2.0	1.0	3.1	2.1	1.9	1.7	1.5	1.4	1.6	1.3	3.7	0.3
29	1.5	1.5	1.3	1.3	1.3	1.4	1.2	1.3	0.9	0.8	1.0	4.0	6.9	6.7	6.6	5.0	2.5	1.8	3.4	1.4	2.9	3.7	2.2	0.9	2.6	6.9	0.8
30	1.2	3.1	4.6	4.6	4.4	3.7	5.0	1.8	2.6	4.4	3.9	5.6	6.2	6.7	3.4	1.0	2.0	1.8	2.6	5.6	6.3	7.0	5.9	4.6	4.1	7.0	1.0
Avg	1.9	1.7	1.7	2.0	2.1	2.3	2.6	2.3	2.5	2.8	3.4	4.2	4.6	4.9	4.7	4.0	3.4	3.2	3.2	2.7	2.3	2.3	2.1	2.1	2.9	6.0	0.8
Max	6.9	6.2	5.5	7.0	6.9	6.8	7.1	7.2	8.8	8.2	10.1	10.0	9.4	12.1	9.2	10.2	9.6	7.3	8.5	7.4	6.8	7.0	5.9	7.2	5.8	12.1	3.5
Min	0.4	0.4	0.5	0.6	0.6	0.5	0.2	0.2	0.2	0.2	0.3	0.4	0.6	0.7	0.9	0.9	1.0	1.3	0.9	0.8	0.7	0.9	0.5	0.7	1.0	2.5	0.2

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Wind Speed (meters per second)
December 2013

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	6.0	5.4	4.0	1.2	1.5	2.1	3.3	2.5	4.2	5.0	5.5	5.9	4.3	3.4	5.5	4.2	5.8	7.2	6.2	4.8	5.6	6.0	4.2	2.1	4.4	7.2	1.2
2	1.6	1.2	0.7	1.1	2.0	3.4	2.7	2.3	6.0	3.6	3.6	4.9	3.4	5.2	6.0	4.3	4.1	3.0	5.9	6.8	6.8	6.3	5.6	5.8	4.0	6.8	0.7
3	5.3	4.6	4.9	5.1	4.8	4.7	4.2	4.0	4.7	4.9	5.2	3.8	3.9	5.5	6.3	7.5	7.2	4.9	6.5	7.4	5.7	3.9	4.7	3.9	5.2	7.5	3.8
4	3.0	3.6	4.9	4.4	4.4	4.6	5.1	4.7	4.6	3.4	3.1	4.4	6.1	6.1	6.7	5.4	5.5	2.9	1.0	0.4	1.8	2.3	1.2	0.9	3.8	6.7	0.4
5	0.8	1.0	0.6	0.6	0.5	0.8	0.7	0.7	0.6	0.3	0.2	0.2	0.2	1.7	3.3	2.9	2.9	1.3	0.8	0.8	1.1	1.3	1.3	1.3	1.1	3.3	0.2
6	1.2	2.3	1.7	2.0	2.2	1.4	1.6	0.7	1.4	0.6	0.6	0.7	2.4	3.4	3.5	3.0	2.4	1.2	1.3	0.8	0.8	1.0	0.6	0.6	1.6	3.5	0.6
7	0.7	1.3	0.9	0.9	1.0	0.7	0.5	0.6	0.8	0.5	0.4	0.5	0.7	0.9	2.2	2.6	2.1	1.0	0.9	0.8	0.8	0.4	0.6	0.9	0.9	2.6	0.4
8	1.0	0.9	1.5	1.0	1.2	1.0	1.0	1.4	0.9	0.9	1.4	2.5	2.6	4.1	4.1	2.5	2.3	0.7	0.6	1.1	1.8	1.2	1.9	1.4	1.6	4.1	0.6
9	2.4	1.8	1.3	1.3	2.3	3.3	1.5	2.1	2.7	3.6	5.2	5.7	5.4	6.1	5.8	4.5	7.1	6.0	6.6	6.0	5.6	1.0	2.5	5.3	4.0	7.1	1.0
10	4.6	6.1	5.1	5.6	5.7	6.4	4.5	7.0	5.9	5.0	4.7	5.4	7.0	5.2	3.8	4.4	2.8	2.2	1.4	1.6	1.0	0.6	1.3	0.8	4.1	7.0	0.6
11	0.7	0.8	0.9	1.1	1.3	1.4	1.1	1.6	1.3	1.2	1.6	2.6	6.0	5.5	4.6	2.7	1.7	1.8	1.5	1.4	1.1	0.9	0.6	0.7	1.8	6.0	0.6
12	0.9	1.2	1.2	2.6	2.2	3.1	1.7	1.5	0.9	1.2	0.8	0.4	1.5	1.0	1.0	1.1	2.3	2.6	4.3	2.2	2.2	2.0	2.9	2.2	1.8	4.3	0.4
13	2.4	1.9	1.8	3.7	2.3	1.5	2.6	4.4	4.3	5.0	4.9	7.6	6.9	5.9	6.6	7.2	4.9	3.4	2.6	1.8	1.1	1.7	0.7	0.8	3.6	7.6	0.7
14	2.2	4.3	4.1	3.7	4.3	4.8	3.1	3.2	1.6	4.0	7.3	7.6	5.9	7.1	6.0	5.6	4.6	3.2	4.7	6.8	7.0	4.2	6.4	6.3	4.9	7.6	1.6
15	9.5	6.5	10.3	9.8	6.6	8.4	6.3	3.1	2.3	5.0	8.1	8.1	7.2	3.8	6.0	7.9	9.8	8.6	7.3	7.1	5.4	7.0	5.2	4.9	6.8	10.3	2.3
16	5.4	3.8	3.5	7.1	8.2	4.5	5.0	4.3	6.7	5.7	5.2	6.9	5.6	6.2	4.5	5.2	6.4	6.0	4.1	4.9	5.8	5.9	3.1	1.5	5.2	8.2	1.5
17	1.9	2.3	2.5	2.1	2.1	1.4	1.1	1.2	1.8	1.2	1.5	Au	Au	Au	8.6	6.5	4.9	5.0	5.0	3.9	5.3	4.0	2.7	1.5	3.2	8.6	1.1
18	0.7	1.0	1.9	1.6	6.9	6.8	7.7	7.5	4.5	4.8	5.6	4.0	4.9	3.2	4.1	3.0	0.6	1.2	1.3	0.9	4.5	4.8	3.9	5.0	3.8	7.7	0.6
19	6.1	5.9	5.3	4.8	4.0	3.7	3.2	2.6	2.7	1.7	2.2	1.5	0.9	0.6	0.6	0.7	1.1	2.3	1.6	1.7	1.6	1.1	0.9	1.0	2.4	6.1	0.6
20	1.1	0.7	1.1	1.2	1.7	1.1	0.9	1.0	1.2	0.9	1.0	0.9	3.5	4.4	4.9	4.9	1.4	0.8	0.6	1.1	0.9	1.1	0.6	0.7	1.6	4.9	0.6
21	0.7	0.5	0.4	0.6	3.0	4.6	4.5	4.0	4.0	3.2	3.7	3.9	4.8	3.1	2.8	2.0	2.3	0.9	0.8	0.8	0.6	1.4	1.1	0.9	2.3	4.8	0.4
22	0.4	0.6	0.3	0.2	0.2	0.2	0.4	1.1	2.0	1.9	1.2	1.7	0.8	1.4	1.9	1.0	0.7	0.5	0.6	1.6	0.8	0.8	0.9	0.8	0.9	2.0	0.2
23	0.4	0.4	0.6	0.7	0.8	0.8	0.9	1.1	1.4	0.6	0.4	0.8	0.9	0.8	3.0	1.8	3.5	1.9	2.2	4.4	3.8	5.5	8.4	8.7	2.2	8.7	0.4
24	7.1	6.9	9.3	8.1	5.8	5.6	3.4	2.7	4.1	5.3	5.4	7.5	8.0	10.5	8.9	8.4	7.1	3.5	1.2	2.1	1.6	1.5	0.8	0.5	5.2	10.5	0.5
25	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.5	0.3	0.4	0.8	1.5	1.4	1.1	3.2	3.5	2.9	2.8	3.7	3.3	2.5	5.1	1.5	5.1	0.3
26	4.4	3.6	3.2	2.9	2.9	2.8	2.6	4.5	3.0	2.6	1.9	2.2	6.9	4.2	4.6	6.0	6.7	5.3	5.8	6.3	6.1	5.5	3.0	2.1	4.1	6.9	1.9
27	1.8	3.0	3.4	2.6	4.9	4.9	2.7	1.5	1.1	1.4	1.2	1.2	0.8	3.2	2.4	3.8	2.3	2.2	2.2	1.8	1.9	1.9	1.2	1.4	2.3	4.9	0.8
28	3.9	10.5	9.9	8.2	8.2	6.7	4.4	4.6	6.3	3.8	4.2	3.0	3.2	2.8	0.8	1.1	0.9	1.1	0.9	0.9	0.6	0.6	0.4	0.9	3.7	10.5	0.4
29	0.8	0.4	0.3	0.4	0.5	0.9	0.9	1.4	2.0	2.0	2.0	6.1	6.7	4.0	4.5	6.3	6.3	3.5	3.4	2.4	2.0	2.3	1.8	2.2	2.6	6.7	0.3
30	2.4	3.5	1.8	1.6	1.1	1.0	0.8	0.6	0.8	1.2	0.8	2.3	4.9	5.5	5.6	5.1	2.2	1.4	2.2	1.6	1.1	0.9	4.2	3.3	2.3	5.6	0.6
31	5.9	7.1	7.2	7.7	8.1	6.7	7.2	7.5	5.9	6.1	7.2	6.3	7.0	7.0	8.5	6.0	4.8	3.2	3.2	2.6	1.7	2.8	4.2	7.4	5.9	8.5	1.7
Avg	2.8	3.0	3.1	3.0	3.3	3.2	2.8	2.8	2.9	2.8	3.1	3.6	4.1	4.1	4.5	4.2	3.9	3.0	2.9	2.9	2.9	2.7	2.6	2.6	3.2	6.5	0.9
Max	9.5	10.5	10.3	9.8	8.2	8.4	7.7	7.5	6.7	6.1	8.1	8.1	8.0	10.5	8.9	8.4	9.8	8.6	7.3	7.4	7.0	7.0	8.4	8.7	6.8	10.5	3.8
Min	0.4	0.4	0.3	0.2	0.2	0.2	0.3	0.4	0.4	0.3	0.2	0.2	0.2	0.6	0.6	0.7	0.6	0.5	0.6	0.4	0.6	0.4	0.4	0.5	0.9	2.0	0.2

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

Day	<< Hour >>																								Prev
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
2	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
3	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
4	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
5	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
6	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
7	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	293	269	260	290	289	271	278	285	221	125	106	94	57	105	268
9	160	119	334	34	163	198	342	121	119	159	149	151	150	149	146	139	134	143	112	98	122	112	84	90	128
10	84	62	72	94	154	100	123	58	101	38	320	294	283	288	277	284	307	304	308	298	281	292	324	202	329
11	160	335	120	124	336	252	293	290	300	300	315	325	326	324	317	277	268	248	148	116	120	114	93	80	304
12	129	89	133	145	112	124	39	93	85	325	156	138	158	148	140	153	155	136	105	115	160	177	165	158	132
13	88	100	79	93	88	286	227	104	180	321	255	180	292	327	226	226	9	11	28	354	326	317	157	311	338
14	300	321	311	322	289	315	342	15	170	293	226	233	238	114	234	32	355	333	40	137	85	90	12	111	331
15	71	106	84	119	126	169	112	157	306	347	292	269	281	267	220	260	274	275	109	87	118	124	135	84	143
16	100	118	50	33	40	15	17	41	347	36	287	285	282	273	281	288	288	289	304	267	262	249	220	213	311
17	309	165	143	132	233	9	122	145	281	246	339	292	283	294	312	310	304	307	314	322	321	313	303	280	295
18	286	315	259	105	115	109	296	61	304	329	6	287	294	283	266	253	253	197	118	83	92	115	75	103	319
19	109	92	82	78	61	100	115	105	22	94	315	286	290	284	276	280	275	290	62	73	345	321	307	318	9
20	335	323	325	317	310	320	298	250	302	273	279	293	307	304	280	287	314	183	79	79	72	58	118	3	315
21	124	148	142	96	38	110	39	211	18	87	352	295	274	293	308	285	276	257	154	78	77	72	86	105	74
22	70	24	82	40	85	46	64	87	318	359	276	260	280	289	285	279	282	274	95	79	67	50	73	57	23
23	43	126	354	83	6	129	124	159	332	176	107	288	265	258	252	264	291	285	94	44	74	71	86	56	64
24	54	35	140	126	4	84	140	112	260	318	352	140	155	225	281	256	279	132	92	80	83	75	86	35	90
25	93	89	56	90	49	50	23	50	131	9	309	276	284	282	280	292	280	200	95	80	67	72	123	114	53
26	101	117	121	118	141	126	71	125	9	356	287	269	262	259	260	259	275	172	104	102	82	138	122	153	135
27	111	108	99	60	119	166	113	153	163	301	49	327	276	327	18	28	20	9	37	7	8	46	56	63	51
28	52	68	54	53	54	61	87	60	52	52	62	72	64	73	94	95	109	102	129	154	168	159	159	162	88
29	166	161	168	165	167	156	149	158	158	172	181	230	179	144	130	261	312	329	69	74	12	58	348	90	150
30	50	358	354	13	96	60	23	46	342	318	297	287	280	285	270	261	265	286	268	96	132	100	109	104	350
31	142	51	309	275	254	84	83	58	346	64	273	270	266	273	284	281	295	271	271	290	305	339	335	308	304
Prev	91	81	76	84	84	94	69	100	347	345	303	271	270	279	269	273	290	268	89	79	74	79	87	93	43

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

Day	<< Hour >>																								Prev
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	303	15	52	91	109	96	70	3	23	331	264	268	268	261	263	259	264	281	197	122	84	130	40	85	1
2	78	52	149	119	158	151	151	139	122	143	143	161	164	171	195	217	248	284	281	298	127	149	274	276	167
3	280	270	291	292	259	281	261	276	280	274	277	264	263	273	268	277	291	290	299	302	324	292	284	293	282
4	218	299	277	309	134	129	12	62	55	284	355	305	285	275	244	282	299	162	106	127	152	222	306	134	270
5	178	112	143	149	142	236	225	257	257	255	265	254	252	268	270	272	280	266	287	127	163	131	85	70	221
6	148	127	129	152	204	257	264	16	323	5	284	278	279	274	275	271	275	282	220	105	94	45	101	50	265
7	87	92	90	109	351	146	169	160	150	116	137	131	155	169	198	202	178	169	186	165	207	157	96	316	149
8	285	274	273	275	274	272	277	274	270	268	267	261	264	263	274	271	285	267	265	263	261	269	266	260	270
9	262	276	257	255	299	80	81	88	90	81	299	243	245	224	245	233	272	88	112	108	95	90	91	72	156
10	44	140	79	155	86	153	142	178	297	216	48	76	319	295	212	254	258	90	133	88	101	137	85	310	124
11	288	151	316	300	326	342	311	299	123	138	257	13	54	61	53	258	203	121	111	107	104	147	147	141	96
12	142	119	128	152	147	138	131	117	111	94	91	144	142	169	251	262	84	89	71	97	94	29	71	54	114
13	128	63	291	301	268	253	269	285	261	261	259	259	266	282	285	289	278	277	277	276	273	266	266	250	272
14	219	263	257	269	261	271	269	278	276	277	275	277	271	271	280	305	2	114	114	108	133	101	89	100	263
15	150	215	229	231	253	252	260	264	253	250	251	253	253	258	254	264	269	247	281	276	295	282	264	260	255
16	254	266	284	202	144	184	203	202	191	190	199	180	185	238	294	261	222	275	296	276	233	145	139	49	219
17	290	250	265	243	189	221	228	360	117	262	295	264	262	268	276	280	281	279	299	237	103	83	56	280	265
18	178	187	145	127	105	129	114	133	132	137	121	201	265	255	232	211	161	105	77	99	108	93	61	101	137
19	211	106	352	216	217	226	227	233	233	221	223	221	232	246	266	252	246	246	233	251	258	237	232	239	235
20	251	239	118	119	95	331	304	275	263	254	283	266	265	283	259	257	266	296	190	127	67	70	31	110	263
21	124	72	13	73	5	51	78	11	15	118	25	303	305	259	266	300	40	90	89	112	116	84	96	54	53
22	40	85	2	332	61	20	30	8	25	31	356	300	291	277	257	247	212	102	79	59	55	80	82	81	28
23	80	66	125	110	112	151	148	161	127	248	327	322	348	163	156	135	107	113	108	122	129	145	122	138	125
24	140	76	31	63	22	24	119	10	342	337	309	22	306	293	253	228	212	103	66	59	46	98	68	80	39
25	53	37	34	60	24	69	63	73	73	232	55	4	283	269	267	253	203	109	67	104	58	111	50	80	58
26	116	88	97	86	92	75	75	91	158	297	220	16	137	133	148	153	122	96	109	84	101	55	94	111	104
27	45	141	274	4	93	66	108	40	112	126	340	51	290	284	295	344	118	88	108	130	105	109	39	78	71
28	86	37	154	151	120	187	181	166	141	225	291	346	34	270	259	248	113	91	41	77	98	88	74	57	112
29	123	90	54	63	28	49	46	101	34	76	126	274	262	282	282	281	270	253	287	215	200	292	191	78	356
30	182	267	269	278	291	285	295	223	264	270	262	264	263	277	257	102	42	157	285	277	272	278	269	267	266
Prev	155	106	357	153	116	161	173	302	143	239	282	277	266	257	256	256	246	158	137	123	115	115	80	76	220

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

Day	<< Hour >>																								Prev
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	282	276	295	218	278	122	225	171	207	222	216	206	201	208	217	240	257	269	271	269	262	255	264	354	242
2	89	17	254	158	242	288	291	286	285	280	266	267	281	288	293	303	284	282	264	303	309	294	305	323	287
3	324	319	316	317	321	315	313	324	321	320	324	318	328	7	357	334	333	327	323	320	325	301	296	310	323
4	319	328	307	302	319	306	314	312	330	338	346	316	304	301	311	304	294	286	238	287	88	70	41	53	320
5	41	145	31	81	105	98	101	127	157	68	58	221	13	270	252	295	304	302	184	257	195	23	289	356	55
6	89	77	78	85	84	79	73	13	63	329	91	2	258	260	267	257	253	30	112	64	39	83	21	39	51
7	54	66	52	91	55	24	355	324	104	1	45	20	336	326	279	272	255	241	126	119	92	31	10	6	25
8	27	341	60	1	4	352	352	6	349	13	35	300	299	264	276	299	294	324	5	86	248	26	61	47	351
9	83	53	75	9	34	308	348	55	11	326	305	299	295	298	300	291	277	274	291	282	267	20	292	276	323
10	282	284	294	294	299	281	276	279	288	289	289	284	293	316	298	294	289	264	273	152	169	180	150	158	274
11	164	167	155	88	97	127	80	107	100	88	360	285	288	272	306	316	160	114	104	98	76	59	2	346	89
12	152	164	154	82	306	75	143	123	122	110	111	100	114	40	32	75	105	68	77	72	65	86	122	145	100
13	111	109	158	267	256	1	282	283	275	274	271	272	269	261	268	275	273	262	261	288	306	46	342	336	281
14	259	278	271	254	266	259	272	309	337	302	286	273	285	285	273	266	253	276	276	266	269	275	261	274	276
15	282	276	289	283	288	288	274	272	272	268	258	257	272	303	266	267	255	252	239	249	256	252	254	265	268
16	286	267	267	260	255	260	268	278	250	261	261	276	284	289	285	279	268	283	300	296	289	290	314	38	279
17	119	92	89	70	88	64	114	76	142	48	73	Au	Au	Au	237	240	252	245	233	241	234	254	254	284	164
18	138	149	98	280	260	263	272	278	271	286	281	291	284	301	300	301	226	153	125	198	184	253	257	254	253
19	282	281	282	274	266	274	270	255	261	251	259	241	67	113	5	92	123	94	359	35	69	123	37	59	309
20	139	103	112	104	146	127	32	46	110	120	129	53	256	278	285	288	158	145	122	113	112	80	130	156	119
21	42	256	252	333	292	285	290	280	283	287	269	275	280	318	327	298	306	159	334	147	79	82	53	93	302
22	357	97	72	348	78	122	290	307	317	296	318	290	52	310	272	123	343	328	32	89	56	64	90	135	16
23	106	198	137	360	117	333	154	70	27	128	151	97	334	31	295	241	169	149	119	205	217	291	294	287	148
24	290	280	284	288	292	282	270	290	266	259	266	263	276	265	267	275	278	297	113	67	53	108	72	49	286
25	64	49	13	119	167	34	23	86	91	127	105	104	168	112	133	334	109	110	84	105	95	63	360	78	87
26	77	83	93	84	105	75	69	82	79	79	74	68	278	267	276	271	271	274	283	281	279	284	258	125	36
27	85	82	80	64	77	73	63	95	148	132	137	295	86	149	88	137	127	116	134	133	133	131	109	121	109
28	269	283	284	288	298	349	317	253	287	250	269	268	283	311	96	74	298	147	119	87	177	136	322	145	277
29	131	216	251	78	117	143	127	103	65	68	320	277	264	271	257	277	274	296	298	318	337	322	338	305	295
30	304	326	353	101	316	135	159	110	23	120	315	268	270	268	268	255	253	82	90	99	191	293	242	254	271
31	271	261	283	276	282	271	255	246	260	248	244	250	263	270	279	283	288	271	264	261	263	256	296	285	268
Prev	45	305	343	357	310	346	307	331	318	305	300	284	288	290	286	283	264	264	248	203	217	14	327	360	299

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

Day	<< Hour >>																								Avg	Max	Min	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw				
2	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			
3	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			
4	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			
5	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			
6	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			
7	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			
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	13	19	18	17	15	29	18	35	78	31	32	39	74	84	36	84	13	
9	56	87	98	89	78	87	92	49	92	75	11	10	10	9	8	11	11	11	73	46	32	17	22	39	46	98	8	
10	62	34	54	68	62	85	40	102	79	52	25	25	16	22	17	23	12	7	10	22	31	18	29	83	41	102	7	
11	53	86	73	42	68	87	24	15	13	17	14	9	9	12	12	20	17	27	13	32	60	40	69	63	36	87	9	
12	69	92	50	34	90	53	66	58	83	27	39	16	33	26	20	11	6	31	35	52	28	33	91	94	47	94	6	
13	86	44	53	40	57	67	99	86	84	30	65	43	47	7	68	95	15	17	19	92	20	34	54	12	51	99	7	
14	12	9	26	11	11	14	30	56	43	28	57	16	44	44	30	62	21	56	84	86	50	51	68	73	41	86	9	
15	27	24	34	27	68	41	58	76	62	54	83	18	23	25	23	20	19	33	19	12	26	25	27	56	37	83	12	
16	41	26	48	56	69	66	58	81	74	98	12	15	10	12	10	10	9	8	10	31	41	40	81	90	42	98	8	
17	66	20	43	48	57	52	39	80	45	69	80	35	11	16	11	14	9	8	8	10	9	14	10	9	32	80	8	
18	14	8	36	91	63	67	91	87	103	59	29	33	23	10	19	13	16	42	32	19	55	39	41	58	44	103	8	
19	59	52	79	77	59	61	91	78	94	81	61	11	13	13	10	10	8	11	40	18	27	9	12	19	41	94	8	
20	24	41	10	9	19	11	84	41	19	22	15	22	39	29	22	21	20	83	17	11	29	78	49	90	34	90	9	
21	30	42	89	80	74	71	75	100	73	53	75	17	15	13	10	18	10	11	72	10	11	19	31	58	44	100	10	
22	53	44	66	62	29	78	62	77	90	60	31	20	21	21	17	14	8	53	22	9	15	30	54	28	40	90	8	
23	82	98	43	78	69	81	70	52	92	84	79	45	22	23	20	17	14	47	19	34	68	24	32	24	51	98	14	
24	21	46	46	28	72	85	75	59	88	64	75	28	24	57	38	48	21	39	21	9	11	15	23	54	44	88	9	
25	48	70	75	65	71	65	76	69	54	79	44	15	10	11	10	10	30	69	27	11	19	28	22	40	42	79	10	
26	64	52	32	29	29	75	60	49	37	53	45	21	17	14	13	10	17	63	41	33	40	56	63	67	41	75	10	
27	75	61	65	59	30	53	69	71	57	46	51	52	31	75	12	11	49	50	21	48	33	10	9	13	44	75	9	
28	11	14	10	10	11	17	20	12	9	9	13	12	14	15	13	15	13	12	30	8	8	8	7	8	12	30	7	
29	7	8	8	7	10	9	8	9	19	15	21	36	33	48	51	92	78	43	41	42	38	33	40	54	31	92	7	
30	48	40	39	48	77	71	78	64	37	47	11	15	17	14	16	13	16	15	73	73	64	61	30	70	43	78	11	
31	78	93	71	18	51	51	25	55	25	31	57	12	10	10	12	12	18	10	10	13	22	11	19	83	33	93	10	
Avg	47	47	50	47	53	59	60	62	60	50	42	23	21	23	20	25	19	33	34	31	32	31	40	53	40	87	9	
Max	86	98	98	91	90	87	99	102	103	98	83	52	47	75	68	95	78	83	84	92	68	78	91	94	51	103	14	
Min	7	8	8	7	10	9	8	9	9	9	11	9	9	7	8	10	6	7	8	8	8	8	7	8	12	30	6	

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	35	47	30	45	32	54	52	55	36	58	14	13	15	12	10	10	14	50	91	28	61	35	69	75	39	91	10
2	76	82	26	61	29	25	42	79	23	19	19	15	16	31	40	20	10	13	12	26	87	43	33	11	35	87	10
3	12	10	17	18	14	27	13	16	11	15	12	11	11	12	12	13	11	9	15	14	8	95	46	71	21	95	8
4	58	77	49	45	94	54	94	49	71	57	29	45	19	18	28	55	21	30	24	28	47	71	102	59	51	102	18
5	53	41	51	49	78	58	40	17	14	14	16	18	16	15	16	14	13	12	25	44	22	24	12	27	29	78	12
6	18	70	66	75	63	10	15	52	88	52	13	8	10	10	10	9	9	14	28	28	36	31	28	42	33	88	8
7	62	47	62	87	77	74	97	32	19	24	10	15	18	18	12	8	15	17	12	11	20	45	62	24	36	97	8
8	17	15	11	10	13	10	11	12	12	11	11	12	12	12	14	15	17	14	13	10	8	9	10	9	12	17	8
9	8	14	35	9	46	36	12	29	22	25	75	16	26	60	20	18	89	20	24	18	18	15	15	33	28	89	8
10	63	82	70	67	77	24	53	60	84	73	86	86	28	68	57	15	91	81	48	46	58	42	90	17	61	91	15
11	55	42	23	19	58	48	38	49	61	54	82	71	74	48	59	76	51	26	20	22	28	18	14	20	44	82	14
12	20	22	18	15	16	18	18	17	18	14	10	12	12	22	35	63	20	19	20	23	35	25	40	67	24	67	10
13	32	31	65	16	43	28	8	22	42	13	10	10	17	14	13	12	10	14	10	46	78	14	9	24	24	78	8
14	53	22	38	18	8	9	11	9	15	19	18	16	15	16	14	16	48	31	33	33	53	42	27	16	24	53	8
15	67	70	28	18	10	11	13	13	13	10	11	13	13	15	15	15	17	77	33	13	22	23	14	12	23	77	10
16	15	17	17	49	11	25	16	25	19	21	9	21	26	26	24	27	57	12	10	38	50	30	25	42	26	57	9
17	29	73	24	74	26	30	11	62	88	11	21	11	10	12	12	10	12	18	56	73	55	31	92	57	37	92	10
18	44	76	55	60	45	48	82	33	46	80	67	23	34	18	17	12	36	36	22	15	23	38	39	66	42	82	12
19	28	25	100	10	9	13	9	9	10	14	11	10	10	14	11	11	11	12	8	9	11	11	18	24	17	100	8
20	54	85	69	33	40	93	13	32	23	13	17	19	18	18	17	21	9	66	76	14	38	32	55	49	38	93	9
21	72	64	70	67	90	78	57	61	77	54	75	24	22	34	15	19	62	16	8	24	29	46	40	56	48	90	8
22	71	69	66	68	45	40	45	58	41	67	89	45	16	24	27	11	55	18	17	24	24	15	27	21	41	89	11
23	33	40	26	41	32	16	37	38	69	76	37	69	83	44	48	61	23	15	28	33	26	41	58	38	42	83	15
24	39	55	74	59	58	71	76	90	68	83	71	66	66	23	11	19	56	27	26	30	69	70	77	50	56	90	11
25	44	49	66	24	40	26	23	33	56	67	56	79	11	13	10	9	72	38	29	16	36	20	47	35	37	79	9
26	24	36	25	77	34	52	41	41	21	67	55	85	30	23	7	7	23	13	20	25	35	43	41	36	36	85	7
27	55	22	92	66	58	72	41	63	95	42	78	59	29	12	16	66	36	16	29	37	24	35	26	44	46	95	12
28	38	74	60	48	72	45	44	50	48	58	80	37	85	35	16	40	74	24	35	28	25	57	57	69	50	85	16
29	72	68	61	60	61	42	50	32	40	84	82	83	14	11	9	13	38	34	31	35	89	34	74	48	49	89	9
30	87	14	12	11	12	14	14	61	36	15	16	19	20	15	34	47	87	57	46	10	11	10	11	10	28	87	10
Avg	44	48	47	43	43	38	36	40	42	40	39	34	26	23	21	24	36	28	28	27	38	35	42	38	36	83	10
Max	87	85	100	87	94	93	97	90	95	84	89	86	85	68	59	76	91	81	91	73	89	95	102	75	61	102	18
Min	8	10	11	9	8	9	8	9	10	10	9	8	10	10	7	7	9	9	8	9	8	9	9	9	12	17	7

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	14	10	16	76	63	37	35	28	36	12	14	12	11	16	10	15	9	10	10	11	13	15	16	53	23	76	9
2	46	62	69	25	73	12	25	88	10	12	17	12	28	25	17	14	20	26	12	13	8	11	10	10	27	88	8
3	10	8	9	9	9	8	8	11	10	8	8	12	21	16	16	9	8	10	5	5	11	25	6	12	11	25	5
4	12	8	7	9	8	7	7	6	12	14	16	11	9	9	11	12	8	19	55	79	14	29	30	50	18	79	6
5	33	44	48	54	98	38	62	33	81	57	67	84	65	21	8	23	9	87	58	89	50	45	80	71	54	98	8
6	38	11	31	19	26	27	17	42	15	41	62	72	18	6	13	10	9	73	29	35	30	36	61	29	31	73	6
7	27	27	21	30	46	67	46	51	50	43	94	33	23	25	17	13	22	71	63	49	65	40	44	76	43	94	13
8	48	43	57	45	55	34	47	39	36	38	27	39	14	11	8	11	12	79	32	77	28	59	15	40	37	79	8
9	29	57	62	53	50	20	64	17	48	27	17	16	15	15	14	16	12	14	12	12	20	80	29	12	30	80	12
10	13	14	13	12	12	10	12	9	10	11	11	10	12	7	17	8	21	19	44	30	55	60	41	67	22	67	7
11	70	65	67	66	45	36	62	44	47	47	44	48	9	11	16	41	56	35	46	44	68	75	78	93	51	93	9
12	83	59	86	57	56	77	37	38	73	58	41	41	75	87	55	63	35	46	15	22	49	78	59	69	57	87	15
13	42	55	65	65	41	41	43	13	13	11	12	10	10	8	9	8	10	11	26	34	53	31	64	74	31	74	8
14	47	10	11	13	9	8	16	40	76	20	12	12	12	11	15	15	13	18	17	9	11	18	14	19	19	76	8
15	10	12	9	10	16	11	12	23	36	11	9	8	14	28	18	13	10	13	7	8	11	10	10	16	14	36	7
16	11	18	22	10	14	13	14	16	9	11	14	12	14	14	17	15	9	16	15	22	11	17	19	69	17	69	9
17	33	36	42	47	53	71	78	75	63	92	60	Au	Au	Au	8	9	11	11	12	10	18	21	14	51	39	92	8
18	95	48	55	77	8	6	9	10	33	16	12	21	10	13	10	27	71	28	59	86	37	10	18	6	32	95	6
19	15	11	13	18	13	19	29	17	16	23	28	55	74	69	93	84	86	24	32	38	37	67	52	65	41	93	11
20	89	95	65	83	83	90	92	69	83	88	64	91	17	14	12	13	69	24	32	33	42	17	68	56	58	95	12
21	86	63	76	99	14	9	8	7	7	9	12	10	7	12	7	26	21	45	52	77	52	37	22	42	33	99	7
22	45	81	61	28	79	53	100	29	9	34	55	31	75	31	65	34	58	62	54	26	45	33	74	61	51	100	9
23	96	98	88	90	99	94	84	73	59	61	77	67	41	81	22	64	29	60	28	11	15	17	11	13	57	99	11
24	13	12	9	9	8	10	18	18	14	11	13	10	11	9	8	9	8	17	56	26	45	46	76	75	22	76	8
25	67	94	82	76	74	86	78	73	89	94	76	90	85	100	90	85	37	76	39	39	17	26	51	9	68	100	9
26	21	25	33	39	30	15	43	24	53	47	32	28	21	21	17	12	9	13	14	15	12	14	50	41	26	53	9
27	51	28	14	37	12	35	33	45	77	56	74	93	92	21	23	10	59	41	25	40	35	46	63	62	45	93	10
28	53	10	10	18	14	15	22	27	17	41	18	35	38	53	74	46	79	30	48	42	55	62	53	58	38	79	10
29	45	82	88	69	63	90	73	55	44	34	56	14	11	24	15	16	10	20	14	25	20	13	25	12	38	90	10
30	15	7	32	46	104	35	55	59	84	45	98	46	13	12	11	11	19	43	42	29	38	93	15	16	40	104	7
31	18	11	10	10	10	11	14	10	8	9	9	9	12	12	8	8	11	14	9	8	23	13	19	10	12	23	8
Avg	41	39	41	42	41	35	40	35	39	35	37	34	29	26	23	24	27	34	31	34	32	37	38	43	35	80	9
Max	96	98	88	99	104	94	100	88	89	94	98	93	92	100	93	85	86	87	63	89	68	93	80	93	68	104	15
Min	10	7	7	9	8	6	7	6	7	8	8	8	7	6	7	8	8	10	5	5	8	10	6	6	11	23	5

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

Day	<< Hour >>																								Avg	Max	Min	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw				
2	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			
3	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			
4	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			
5	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			
6	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			
7	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			
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	5.4	6.7	6.5	6.6	6.0	6.5	6.0	5.1	2.5	-0.5	-2.3	-3.4	-5.2	-5.2	2.5	6.7	-5.2	
9	-5.3	-5.4	-6.0	-5.9	-6.0	-6.4	-6.6	-5.4	-0.7	4.5	6.3	6.9	7.4	7.8	8.0	8.1	7.5	6.0	4.6	4.0	2.5	2.5	1.2	-0.7	1.2	8.1	-6.6	
10	-2.3	-2.7	-3.5	-4.3	-4.4	-4.7	-4.9	-4.9	-0.9	5.0	8.3	9.5	9.7	10.1	10.8	10.7	9.3	8.1	6.9	5.1	2.9	2.8	1.9	0.4	2.9	10.8	-4.9	
11	-0.4	-1.1	-0.9	-0.6	-0.8	-0.3	0.4	0.0	0.6	1.0	1.7	2.3	2.7	3.4	4.0	5.0	4.6	3.4	-0.3	-2.2	-3.6	-5.5	-5.8	-7.4	0.0	5.0	-7.4	
12	-7.4	-8.2	-8.4	-8.7	-8.9	-8.0	-8.3	-7.6	-5.4	0.5	3.2	4.6	5.4	5.9	5.9	5.7	5.0	4.1	3.2	2.7	2.7	1.9	-0.2	-1.8	-0.9	5.9	-8.9	
13	-2.4	-2.5	-3.3	-2.9	-3.2	-3.6	-4.0	-4.2	-1.8	1.8	5.1	6.4	6.7	5.7	4.7	3.9	4.0	3.6	3.1	2.7	2.1	1.5	0.9	0.8	1.0	6.7	-4.2	
14	0.4	0.5	0.6	0.8	0.1	0.1	0.0	0.0	0.2	1.1	1.6	1.3	2.0	2.4	2.7	2.8	2.2	2.1	1.3	0.5	-0.8	-2.4	-4.3	-4.8	0.4	2.8	-4.8	
15	-6.0	-6.9	-7.5	-8.2	-9.2	-9.3	-10.2	-9.4	-5.9	-1.4	1.3	2.6	3.5	4.6	5.3	5.7	5.6	3.7	-1.0	-2.1	-3.9	-5.0	-6.0	-6.8	-2.8	5.7	-10.2	
16	-7.2	-7.5	-7.7	-8.0	-8.3	-8.5	-8.5	-7.6	-5.0	-1.1	3.1	3.0	0.4	0.3	0.6	0.8	0.4	-0.2	-0.5	-1.1	-1.7	-2.2	-2.5	-2.2	-3.0	3.1	-8.5	
17	-2.5	-3.7	-4.2	-4.0	-3.9	-4.1	-4.3	-4.1	-3.5	-2.7	-1.8	-0.7	0.6	1.2	1.0	0.2	0.0	-0.1	-0.8	-0.8	-0.5	-0.9	-1.0	-0.6	-1.7	1.2	-4.3	
18	-0.7	-1.6	-3.4	-4.8	-6.2	-8.0	-9.2	-10.3	-8.1	-5.1	-1.3	2.0	3.6	4.9	6.0	6.5	6.3	4.7	0.6	-1.2	-2.1	-2.9	-3.7	-4.4	-1.6	6.5	-10.3	
19	-4.8	-5.4	-5.5	-6.1	-6.0	-6.3	-6.0	-5.9	-4.1	0.7	5.1	6.2	7.4	8.3	9.0	9.6	9.2	7.7	4.3	2.1	4.8	3.9	3.2	2.7	1.4	9.6	-6.3	
20	1.3	0.5	0.8	0.7	0.5	0.7	0.4	0.8	1.7	2.5	3.1	4.0	4.9	6.1	7.0	7.6	7.1	5.2	0.8	-0.3	-1.2	-1.6	-1.6	-2.2	2.0	7.6	-2.2	
21	-2.5	-3.4	-4.1	-4.3	-4.8	-5.3	-4.9	-4.5	-2.3	1.3	5.7	7.8	9.6	10.2	10.8	11.3	10.7	8.5	5.9	2.7	1.1	0.0	-1.5	-2.1	1.9	11.3	-5.3	
22	-3.0	-2.3	-2.7	-2.7	-2.6	-3.4	-3.9	-3.8	-1.5	3.7	8.8	10.3	11.6	12.5	13.2	13.7	13.1	10.3	5.1	2.7	1.2	-0.3	-1.3	-2.1	3.2	13.7	-3.9	
23	-2.3	-3.0	-3.8	-3.8	-4.7	-4.8	-4.7	-5.1	-2.3	3.1	8.2	10.5	11.1	11.8	12.3	12.3	11.3	8.4	5.0	2.6	1.1	0.2	-0.8	-2.1	2.5	12.3	-5.1	
24	-2.5	-3.6	-3.5	-4.4	-5.1	-4.7	-5.2	-5.0	-2.8	2.0	6.8	10.5	11.9	12.6	12.9	13.2	12.1	7.7	4.0	2.8	1.4	0.5	-0.9	-2.2	2.4	13.2	-5.2	
25	-2.1	-3.1	-3.0	-3.2	-3.6	-4.1	-3.6	-4.0	-1.3	3.9	10.1	12.4	12.8	13.5	13.4	13.3	11.3	8.8	3.5	2.4	1.3	0.1	-1.4	-2.7	3.1	13.5	-4.1	
26	-3.9	-3.7	-3.8	-4.6	-4.9	-5.6	-5.5	-5.5	-1.0	1.6	8.5	10.5	12.0	13.3	13.9	13.7	12.7	8.7	2.4	-0.3	-1.6	-2.8	-4.0	-4.5	1.9	13.9	-5.6	
27	-5.1	-5.0	-4.9	-5.3	-5.7	-6.3	-6.8	-6.7	-5.1	-0.2	6.6	9.9	10.9	11.0	10.3	7.1	4.7	2.4	1.1	0.2	-0.5	-0.6	-1.3	-1.6	0.4	11.0	-6.8	
28	-2.1	-2.5	-2.9	-3.4	-3.6	-4.2	-4.4	-5.0	-5.6	-5.9	-5.6	-5.8	-5.6	-5.0	-5.1	-5.6	-6.4	-7.0	-7.4	-8.0	-8.3	-8.7	-8.9	-8.9	-5.7	-2.1	-8.9	
29	-8.9	-8.9	-9.0	-9.0	-8.8	-8.5	-8.4	-8.2	-7.8	-7.0	-6.4	-5.7	-5.3	-4.8	-3.3	-2.4	-2.1	-3.6	-5.4	-6.4	-7.1	-7.5	-8.8	-8.8	-6.8	-2.1	-9.0	
30	-9.4	-9.3	-9.3	-9.4	-9.7	-10.5	-10.9	-10.4	-8.0	-2.7	-0.2	0.8	1.6	2.5	3.2	3.4	2.7	1.3	0.4	-1.0	-2.0	-4.2	-4.3	-4.8	-3.8	3.4	-10.9	
31	-3.5	-1.6	-0.8	-0.6	-0.8	-0.9	-3.3	-2.8	-1.8	-0.3	2.0	3.0	2.7	3.0	3.6	3.8	2.7	2.6	1.9	1.2	1.1	0.9	1.0	0.9	0.6	3.8	-3.5	
Avg	-3.6	-3.9	-4.2	-4.5	-4.8	-5.1	-5.3	-5.2	-3.1	0.3	3.6	5.0	5.6	6.2	6.5	6.5	5.8	4.2	1.7	0.3	-0.6	-1.4	-2.3	-3.0	0.0	7.2	-6.3	
Max	1.3	0.5	0.8	0.8	0.5	0.7	0.4	0.8	1.7	5.0	10.1	12.4	12.8	13.5	13.9	13.7	13.1	10.3	6.9	5.1	4.8	3.9	3.2	2.7	3.2	13.9	-2.2	
Min	-9.4	-9.3	-9.3	-9.4	-9.7	-10.5	-10.9	-10.4	-8.1	-7.0	-6.4	-5.8	-5.6	-5.0	-5.1	-5.6	-6.4	-7.0	-7.4	-8.0	-8.3	-8.7	-8.9	-8.9	-6.8	-2.1	-10.9	

A-10

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	0.2	-0.4	-0.6	-0.6	-2.7	-3.6	-4.1	-4.7	-3.0	0.7	3.1	4.1	4.6	5.3	5.4	5.3	4.7	2.8	0.9	-0.8	-3.0	-3.8	-4.7	-4.9	0.0	5.4	-4.9
2	-5.4	-6.0	-5.6	-5.9	-5.3	-4.0	-2.8	-1.8	0.6	3.0	5.1	6.1	7.5	9.0	9.5	9.0	8.1	6.3	4.7	1.2	0.6	0.4	1.0	1.0	1.5	9.5	-6.0
3	0.1	-0.7	-1.2	-1.9	-2.5	-2.5	-2.7	-2.7	-2.8	-3.0	-3.0	-2.6	-2.3	-2.6	-2.4	-2.2	-3.1	-3.4	-4.0	-4.6	-5.1	-5.7	-6.1	-6.4	-3.1	0.1	-6.4
4	-6.6	-6.6	-6.6	-7.6	-7.6	-9.0	-11.5	-12.3	-12.1	-9.5	-6.3	-4.9	-4.1	-3.9	-4.6	-3.7	-4.4	-7.4	-8.7	-9.2	-10.9	-10.5	-9.5	-9.7	-7.8	-3.7	-12.3
5	-10.0	-10.0	-10.9	-12.3	-12.6	-10.0	-7.7	-7.0	-6.7	-5.8	-5.0	-4.1	-3.4	-2.8	-1.8	-1.7	-1.9	-2.5	-3.9	-4.2	-4.2	-3.9	-3.9	-3.9	-5.8	-1.7	-12.6
6	-4.0	-3.8	-3.7	-3.4	-2.5	-1.8	-2.1	-2.7	-3.0	-1.9	0.3	0.7	1.0	1.1	0.9	0.7	0.1	-0.8	-2.4	-5.2	-7.7	-9.3	-10.1	-11.9	-3.0	1.1	-11.9
7	-12.6	-12.3	-12.5	-11.6	-9.9	-8.7	-8.5	-7.7	-5.4	-1.0	3.1	3.7	4.3	4.9	5.7	5.9	5.8	5.2	4.6	4.0	3.8	3.2	2.5	-0.2	-1.4	5.9	-12.6
8	0.5	0.5	0.3	0.2	0.3	0.4	0.5	0.4	0.7	0.9	1.1	1.3	1.5	1.6	1.1	0.6	0.4	0.2	0.1	0.0	-0.4	-0.8	-0.9	-1.2	0.4	1.6	-1.2
9	-1.5	-1.7	-1.7	-1.9	-2.4	-4.2	-7.1	-8.6	-7.9	-4.5	-0.4	0.7	1.4	2.2	2.6	2.6	1.8	-1.3	-2.5	-2.9	-3.0	-2.6	-2.3	-2.0	-2.0	2.6	-8.6
10	-1.9	-1.8	-1.5	-1.4	-1.3	-1.1	-1.1	-0.7	-0.5	0.1	1.3	2.5	3.2	5.2	6.6	7.0	6.3	4.9	3.5	2.7	2.3	2.4	2.7	2.7	1.8	7.0	-1.9
11	1.8	1.0	-0.5	-1.5	-1.4	-1.2	-1.5	-1.4	-1.0	-0.3	0.6	1.9	3.6	4.4	4.9	5.6	4.4	1.7	-0.3	-1.4	-2.4	-3.2	-4.0	-3.6	0.3	5.6	-4.0
12	-4.0	-4.1	-4.4	-4.2	-4.0	-3.9	-3.8	-3.0	-1.3	1.6	5.9	10.6	11.9	13.4	13.5	11.7	9.1	4.8	3.1	1.3	0.6	0.8	0.5	0.1	2.3	13.5	-4.4
13	-0.2	1.3	3.4	5.8	5.4	5.1	5.1	4.9	4.6	6.0	6.2	6.5	7.1	7.0	6.2	5.3	4.7	3.7	2.8	2.0	0.9	0.8	0.5	-0.1	4.0	7.1	-0.2
14	0.1	0.3	0.2	0.5	0.5	0.5	0.4	0.3	0.5	0.8	0.9	1.1	1.2	1.3	1.3	1.4	1.1	-0.1	-1.5	-2.9	-4.3	-4.7	-5.6	-5.4	-0.5	1.4	-5.6
15	-5.7	-4.4	-2.8	-1.8	-1.2	-1.0	-0.9	-1.0	-1.1	-0.9	-0.7	-0.3	0.5	0.6	1.0	0.6	-0.5	-1.7	-1.3	-0.9	-1.0	-1.1	-0.7	-0.9	-1.1	1.0	-5.7
16	-1.3	-2.1	-2.4	-2.5	-2.5	-2.3	-2.4	-2.6	-2.6	-2.4	-2.1	-1.4	-1.1	-0.1	-2.6	-2.4	-2.4	-2.5	-3.7	-4.4	-5.4	-5.7	-5.6	-5.4	-2.8	-0.1	-5.7
17	-4.8	-5.4	-4.7	-5.3	-5.4	-5.0	-5.4	-6.1	-5.3	-4.3	-4.0	-2.6	-2.3	-2.0	-1.8	-1.8	-2.2	-2.9	-2.9	-3.4	-4.4	-5.4	-5.9	-5.0	-4.1	-1.8	-6.1
18	-5.2	-4.8	-4.6	-5.9	-7.7	-9.8	-10.6	-11.7	-10.5	-6.0	-1.4	3.4	4.5	5.8	6.5	6.4	3.4	1.3	-1.0	-2.6	-3.2	-3.5	-2.8	-0.5	-2.5	6.5	-11.7
19	5.1	2.3	3.0	6.1	6.3	6.0	5.9	5.5	5.6	6.1	6.4	6.5	7.0	7.4	7.1	7.0	6.8	5.8	6.0	6.1	4.1	3.5	3.6	3.3	5.5	7.4	2.3
20	3.1	2.9	1.5	0.9	1.3	0.3	-5.4	-8.9	-12.6	-14.4	-13.7	-14.4	-15.5	-15.6	-16.2	-16.2	-17.2	-18.1	-19.0	-19.8	-21.1	-21.4	-22.1	-22.0	-11.8	3.1	-22.1
21	-22.7	-22.4	-22.5	-21.8	-21.9	-22.2	-22.6	-22.3	-21.5	-17.6	-12.9	-9.8	-8.8	-7.8	-7.7	-7.6	-9.2	-13.9	-15.2	-17.1	-18.0	-18.9	-18.7	-18.9	-16.7	-7.6	-22.7
22	-19.2	-19.3	-19.2	-18.7	-17.9	-18.8	-18.2	-18.8	-17.9	-14.1	-9.5	-5.0	-3.9	-3.1	-2.4	-2.3	-3.5	-8.6	-9.7	-10.8	-11.3	-11.8	-12.5	-12.8	-12.1	-2.3	-19.3
23	-13.2	-13.9	-14.8	-14.6	-15.1	-15.6	-15.8	-15.7	-15.3	-11.1	-5.9	-0.6	1.6	2.7	3.1	3.2	-0.2	-3.6	-6.1	-7.2	-8.3	-9.3	-10.1	-10.5	-8.2	3.2	-15.8
24	-11.9	-12.0	-11.1	-11.7	-11.6	-11.1	-10.8	-10.3	-9.9	-6.6	-4.1	-1.0	2.8	4.3	4.8	4.7	2.0	-2.1	-3.0	-3.6	-4.6	-5.6	-5.7	-6.8	-5.2	4.8	-12.0
25	-7.6	-7.5	-8.0	-8.7	-9.3	-10.1	-11.0	-11.4	-11.3	-8.3	-4.0	0.9	2.6	3.2	3.7	3.8	2.2	-1.3	-3.7	-5.1	-6.0	-6.6	-6.9	-6.8	-4.9	3.8	-11.4
26	-8.1	-8.5	-8.9	-9.5	-9.3	-9.2	-9.4	-9.8	-9.2	-6.3	-2.0	2.5	5.9	7.0	7.2	6.9	4.2	-0.3	-1.8	-2.0	-3.4	-3.6	-4.1	-3.9	-3.1	7.2	-9.8
27	-3.9	-4.0	-4.6	-4.5	-4.1	-4.7	-4.3	-4.6	-4.5	-3.8	-1.8	2.6	5.5	6.3	6.0	5.0	1.3	-1.0	-2.7	-4.1	-5.5	-6.0	-7.4	-8.1	-2.2	6.3	-8.1
28	-8.5	-9.6	-9.6	-10.1	-11.0	-11.3	-11.4	-11.3	-11.0	-8.3	-3.4	1.1	4.9	6.4	6.4	5.6	4.0	-0.5	-2.0	-3.5	-5.3	-6.5	-6.9	-7.1	-4.5	6.4	-11.4
29	-7.9	-8.1	-8.1	-7.8	-8.3	-8.4	-8.7	-9.2	-9.3	-7.4	-2.7	5.0	6.6	6.7	6.6	6.2	5.1	4.0	3.9	2.0	1.7	2.4	1.0	0.4	-1.4	6.7	-9.3
30	1.0	2.3	2.4	2.2	2.0	2.0	2.1	1.2	1.5	2.3	2.5	3.2	3.9	3.6	1.7	0.9	1.0	1.1	2.4	2.8	2.6	2.3	1.7	1.4	2.1	3.9	0.9
Avg	-5.1	-5.3	-5.3	-5.3	-5.4	-5.5	-5.9	-6.1	-5.7	-3.9	-1.5	0.6	1.7	2.4	2.4	2.3	1.1	-1.0	-2.1	-3.1	-4.1	-4.5	-4.8	-5.0	-2.9	3.5	-8.7
Max	5.1	2.9	3.4	6.1	6.3	6.0	5.9	5.5	5.6	6.1	6.4	10.6	11.9	13.4	13.5	11.7	9.1	6.3	6.0	6.1	4.1	3.5	3.6	3.3	5.5	13.5	2.3
Min	-22.7	-22.4	-22.5	-21.8	-21.9	-22.2	-22.6	-22.3	-21.5	-17.6	-13.7	-14.4	-15.5	-15.6	-16.2	-16.2	-17.2	-18.1	-19.0	-19.8	-21.1	-21.4	-22.1	-22.0	-16.7	-7.6	-22.7

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	1.9	2.1	2.1	2.0	2.0	0.9	1.8	1.3	1.6	2.2	2.3	1.0	0.9	1.0	1.6	2.0	2.4	2.9	2.5	2.1	2.1	2.0	1.6	1.1	1.8	2.9	0.9
2	0.4	0.0	0.0	0.1	0.3	0.5	1.0	0.5	0.4	0.5	0.2	-0.3	-1.1	-3.3	-5.1	-7.2	-9.0	-11.8	-13.1	-13.6	-14.2	-15.7	-16.4	-16.8	-5.2	1.0	-16.8
3	-17.1	-17.5	-17.9	-18.2	-18.3	-18.8	-19.1	-19.1	-19.4	-19.4	-19.2	-18.9	-18.5	-18.5	-18.9	-19.1	-19.4	-20.0	-20.4	-20.6	-20.7	-21.7	-21.9	-21.9	-19.4	-17.1	-21.9
4	-22.8	-22.9	-22.7	-22.2	-22.5	-22.6	-22.2	-22.0	-21.7	-21.2	-20.7	-20.4	-20.1	-20.4	-20.7	-21.4	-22.3	-23.5	-25.1	-26.1	-29.1	-30.4	-30.8	-31.5	-23.6	-20.1	-31.5
5	-32.3	-32.4	-32.6	-33.0	-33.1	-32.8	-32.9	-33.4	-33.5	-32.2	-29.7	-26.3	-22.6	-19.9	-19.2	-19.1	-20.2	-21.6	-23.0	-25.1	-25.7	-27.0	-27.2	-27.9	-27.6	-19.1	-33.5
6	-29.3	-30.6	-31.7	-32.2	-33.3	-34.0	-34.1	-34.4	-34.1	-33.6	-31.3	-28.7	-27.0	-26.7	-26.6	-27.4	-28.8	-29.7	-31.3	-32.0	-32.1	-32.6	-33.1	-33.2	-31.2	-26.6	-34.4
7	-33.6	-34.0	-34.2	-34.6	-35.1	-34.8	-35.0	-34.9	-34.7	-33.7	-30.9	-27.8	-25.7	-24.3	-24.2	-24.9	-26.0	-27.6	-29.2	-30.3	-31.0	-31.8	-32.0	-32.3	-30.9	-24.2	-35.1
8	-32.9	-32.7	-31.8	-30.7	-29.8	-28.6	-27.7	-26.0	-24.9	-23.7	-21.4	-20.4	-20.0	-19.4	-19.2	-19.1	-19.3	-20.1	-20.4	-20.3	-20.5	-21.3	-21.6	-23.5	-24.0	-19.1	-32.9
9	-25.9	-27.3	-26.4	-26.2	-22.8	-19.3	-18.6	-18.3	-17.5	-16.4	-15.3	-14.5	-13.6	-12.7	-12.0	-11.8	-11.3	-11.0	-10.4	-10.3	-10.1	-11.0	-10.4	-9.0	-15.9	-9.0	-27.3
10	-8.4	-8.3	-8.7	-8.5	-8.3	-8.2	-8.4	-8.3	-8.6	-8.8	-8.8	-8.8	-8.7	-9.0	-9.1	-9.6	-10.1	-10.9	-11.3	-12.8	-14.5	-14.9	-15.7	-16.4	-10.2	-8.2	-16.4
11	-17.6	-18.7	-18.2	-18.7	-16.1	-13.7	-15.5	-14.2	-15.8	-15.8	-10.2	-7.5	-5.7	-5.4	-6.0	-6.4	-8.9	-10.8	-13.2	-14.2	-13.4	-13.4	-12.1	-10.6	-12.6	-5.4	-18.7
12	-9.4	-8.1	-8.0	-5.5	-4.4	-3.2	-6.0	-6.1	-6.4	-6.8	-6.1	-4.2	-2.1	-1.3	-1.3	-1.6	-2.4	-3.4	-4.4	-6.2	-8.1	-8.0	-5.8	-5.5	-5.2	-1.3	-9.4
13	-5.9	-4.2	-4.6	-2.4	-2.1	-2.8	-2.4	-2.6	-2.7	-2.6	-2.3	-1.7	-1.6	-1.2	-0.8	-0.4	-0.7	-1.4	-1.7	-1.8	-3.3	-3.5	-3.0	-2.8	-2.4	-0.4	-5.9
14	-2.6	-1.8	-1.8	-1.8	-1.8	-1.8	-2.3	-2.4	-1.9	-1.1	0.2	-0.1	0.2	0.2	0.0	0.0	0.3	0.5	1.1	1.8	2.2	2.4	2.3	2.7	-0.2	2.7	-2.6
15	3.5	3.0	3.1	2.8	2.7	3.4	3.4	2.7	2.0	3.1	3.4	3.4	3.9	3.9	4.4	4.7	4.6	4.3	3.8	3.2	2.8	2.9	2.4	2.5	3.3	4.7	2.0
16	2.9	2.5	2.3	2.3	2.1	1.3	1.3	1.1	0.9	1.2	1.3	1.7	1.9	2.5	2.8	3.0	2.9	2.6	2.3	2.1	2.1	1.8	0.5	-1.4	1.8	3.0	-1.4
17	-2.1	-2.5	-3.0	-6.9	-7.1	-7.3	-7.0	-7.0	-6.2	-6.5	-3.6	Au	Au	Au	8.5	8.3	7.1	6.1	5.9	5.4	5.5	5.6	5.3	3.8	0.1	8.5	-7.3
18	0.7	-0.7	-2.2	-2.8	2.6	4.0	4.1	4.2	3.4	3.3	3.4	3.2	3.6	3.3	3.2	2.8	1.8	-0.4	-2.0	-2.8	-2.7	-6.0	-9.5	-12.5	0.1	4.2	-12.5
19	-13.1	-14.3	-15.8	-16.8	-17.7	-18.4	-19.4	-19.8	-20.0	-19.9	-19.6	-18.7	-17.8	-16.5	-15.8	-15.3	-16.9	-20.1	-22.1	-21.9	-22.8	-24.5	-24.6	-23.7	-19.0	-13.1	-24.6
20	-23.6	-23.1	-22.8	-23.2	-22.8	-23.2	-23.4	-23.3	-23.4	-22.6	-19.0	-14.7	-9.4	-8.0	-7.8	-7.5	-8.2	-8.6	-8.5	-8.3	-7.9	-7.7	-7.6	-7.3	-15.1	-7.3	-23.6
21	-7.3	-7.6	-7.8	-7.7	-6.8	-6.6	-6.8	-7.1	-7.3	-7.3	-7.3	-7.1	-6.9	-6.8	-6.6	-6.6	-6.5	-7.0	-7.1	-7.3	-7.7	-8.2	-8.5	-9.0	-7.3	-6.5	-9.0
22	-9.1	-8.9	-8.7	-8.6	-8.3	-8.1	-7.8	-7.4	-8.6	-11.2	-11.5	-11.8	-11.4	-10.3	-10.1	-11.0	-11.8	-13.2	-15.0	-15.7	-17.1	-18.2	-20.4	-20.9	-11.9	-7.4	-20.9
23	-21.7	-21.8	-20.7	-17.7	-14.9	-12.5	-10.8	-8.5	-5.2	-3.9	-3.6	-2.7	-1.2	-0.2	1.7	1.2	1.5	1.2	1.0	2.6	2.3	0.7	0.3	-0.4	-5.6	2.6	-21.8
24	-1.5	-2.3	-2.8	-3.2	-3.5	-3.6	-3.6	-3.5	-3.6	-3.7	-3.5	-3.3	-3.2	-3.1	-3.3	-3.4	-3.6	-4.9	-6.8	-9.8	-11.7	-13.7	-15.1	-16.3	-5.5	-1.5	-16.3
25	-17.7	-18.5	-19.2	-19.2	-20.2	-20.6	-20.5	-21.0	-21.4	-19.6	-17.4	-15.0	-12.7	-10.3	-8.1	-8.3	-6.9	-5.5	-6.7	-5.5	-3.8	-2.2	-2.1	-4.3	-12.8	-2.1	-21.4
26	-6.4	-7.9	-8.6	-8.4	-8.2	-4.6	-4.7	-3.9	-4.7	-5.6	-1.4	1.6	3.9	3.9	4.6	4.5	4.6	4.9	5.0	5.1	5.1	5.2	5.0	3.9	-0.3	5.2	-8.6
27	2.8	0.6	0.3	-1.5	-1.0	-2.9	-5.2	-7.0	-7.8	-8.1	-7.5	-4.8	0.1	5.9	7.0	5.4	2.5	-0.6	-2.5	-2.8	-4.0	-3.7	-4.6	-4.7	-1.8	7.0	-8.1
28	-0.8	4.1	2.5	0.8	-4.4	-8.2	-9.5	-12.0	-13.8	-14.2	-14.0	-13.4	-12.2	-11.4	-10.7	-10.0	-10.5	-11.2	-12.0	-13.0	-12.6	-11.8	-11.7	-11.4	-9.2	4.1	-14.2
29	-11.4	-11.8	-11.8	-12.8	-14.0	-15.4	-15.0	-10.1	-11.1	-8.9	-6.5	-4.4	-4.6	-4.0	-3.7	-3.5	-3.1	-2.9	-3.0	-3.2	-3.2	-3.9	-3.8	-3.3	-7.3	-2.9	-15.4
30	-3.4	-3.2	-3.1	-3.7	-4.6	-4.5	-4.6	-5.5	-6.8	-6.2	-4.7	-1.8	-0.2	0.4	0.7	0.8	0.8	0.3	-0.8	-1.0	-0.4	0.2	0.9	0.6	-2.1	0.9	-6.8
31	0.8	1.1	1.5	1.7	1.5	1.6	2.0	1.6	1.4	1.3	1.2	1.2	1.4	0.6	0.3	-0.3	-0.2	-0.2	-0.5	-1.0	-1.2	-1.5	-1.7	-1.3	0.5	2.0	-1.7
Avg	-11.1	-11.2	-11.4	-11.5	-11.3	-11.1	-11.3	-11.2	-11.3	-11.0	-9.8	-8.8	-7.7	-7.0	-6.3	-6.5	-7.0	-7.9	-8.7	-9.1	-9.5	-10.1	-10.4	-10.8	-9.7	-4.6	-16.0
Max	3.5	4.1	3.1	2.8	2.7	4.0	4.1	4.2	3.4	3.3	3.4	3.4	3.9	5.9	8.5	8.3	7.1	6.1	5.9	5.4	5.5	5.6	5.3	3.9	3.3	8.5	2.0
Min	-33.6	-34.0	-34.2	-34.6	-35.1	-34.8	-35.0	-34.9	-34.7	-33.7	-31.3	-28.7	-27.0	-26.7	-26.6	-27.4	-28.8	-29.7	-31.3	-32.0	-32.1	-32.6	-33.1	-33.2	-31.2	-26.6	-35.1

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

Day	<< Hour >>																								Avg	Max	Min	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw				
2	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			
3	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			
4	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			
5	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			
6	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			
7	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			
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	6.3	7.7	7.2	7.8	6.3	6.8	6.2	4.7	1.2	-1.5	-3.2	-4.9	-6.1	-6.4	2.3	7.8	-6.4	
9	-6.4	-6.5	-7.1	-7.3	-7.8	-7.7	-7.8	-6.0	-0.4	4.9	7.3	8.1	8.6	9.0	9.0	8.7	7.7	5.9	4.3	3.3	1.2	0.5	0.0	-1.9	0.8	9.0	-7.8	
10	-3.3	-4.1	-4.9	-5.6	-5.9	-6.1	-6.3	-5.4	-0.5	5.5	9.0	10.4	10.6	11.1	11.8	11.5	9.4	7.9	6.6	4.7	1.9	2.4	1.6	-0.2	2.6	11.8	-6.3	
11	-0.9	-1.7	-1.2	-0.9	-0.9	-0.7	0.1	0.0	0.6	1.1	1.8	2.7	3.2	4.0	4.4	5.6	4.6	2.1	-1.3	-2.9	-5.0	-7.1	-7.7	-8.6	-0.4	5.6	-8.6	
12	-8.9	-9.5	-9.7	-9.9	-9.9	-9.0	-9.2	-8.1	-5.2	0.8	3.6	5.2	5.9	6.4	6.3	6.1	5.1	4.1	3.0	2.4	2.5	1.4	-1.1	-2.9	-1.3	6.4	-9.9	
13	-3.5	-3.6	-4.6	-3.7	-4.0	-4.7	-5.6	-5.0	-1.6	2.2	5.5	6.9	7.1	5.9	4.7	3.8	4.0	3.5	2.9	2.5	2.0	1.4	0.8	0.7	0.7	7.1	-5.6	
14	0.4	0.4	0.5	0.6	0.1	-0.1	-0.3	0.0	0.4	1.4	1.9	1.5	2.5	2.8	3.3	3.0	2.2	2.0	1.1	0.2	-1.5	-3.4	-5.4	-6.5	0.3	3.3	-6.5	
15	-7.1	-8.3	-8.7	-9.4	-10.1	-10.5	-11.3	-9.8	-5.6	-1.1	1.9	3.4	4.4	5.3	6.0	6.3	5.8	2.6	-1.6	-2.4	-5.7	-6.5	-7.5	-8.2	-3.3	6.3	-11.3	
16	-8.3	-8.7	-8.9	-9.2	-9.7	-9.6	-9.4	-8.0	-4.9	-0.9	3.4	3.3	0.6	0.6	0.9	1.1	0.5	-0.3	-0.7	-1.4	-1.9	-2.5	-3.1	-2.5	-3.3	3.4	-9.7	
17	-3.0	-4.4	-4.2	-4.1	-3.9	-4.2	-4.4	-4.0	-3.4	-2.5	-1.6	-0.2	1.1	1.6	1.5	0.4	0.0	-0.1	-0.8	-0.8	-0.6	-1.0	-1.1	-0.8	-1.7	1.6	-4.4	
18	-1.1	-2.5	-4.4	-6.2	-7.5	-8.8	-9.9	-10.9	-8.1	-4.9	-1.0	2.4	4.1	5.3	6.6	7.0	6.3	3.8	0.0	-1.5	-2.6	-3.7	-4.6	-5.5	-2.0	7.0	-10.9	
19	-6.0	-6.3	-6.6	-7.1	-7.0	-7.2	-6.9	-6.5	-4.0	0.9	5.3	6.6	8.0	8.5	9.5	9.8	9.1	6.6	3.1	1.9	4.6	3.5	2.6	2.2	1.0	9.8	-7.2	
20	1.1	0.5	0.6	0.5	0.2	0.3	-0.1	0.6	1.6	2.9	3.6	4.7	5.5	6.8	7.7	8.3	7.1	4.3	0.5	-0.5	-1.5	-2.1	-2.0	-3.2	2.0	8.3	-3.2	
21	-3.9	-4.7	-5.1	-5.6	-5.8	-6.1	-6.1	-4.6	-2.1	1.6	6.2	8.6	10.5	10.7	11.4	11.8	10.7	7.4	4.8	2.5	0.8	-0.4	-2.3	-3.3	1.5	11.8	-6.1	
22	-4.0	-3.7	-3.8	-3.8	-3.7	-4.4	-5.3	-4.6	-1.3	4.1	9.3	11.1	12.4	13.2	13.9	14.1	12.8	9.0	4.0	2.4	0.5	-1.0	-2.7	-3.3	2.7	14.1	-5.3	
23	-3.3	-4.3	-4.7	-5.2	-5.6	-5.8	-6.5	-6.2	-2.1	3.5	8.6	11.2	11.9	12.6	12.9	12.8	11.1	7.4	4.1	1.8	0.1	-1.0	-1.7	-2.6	2.0	12.9	-6.5	
24	-3.1	-4.3	-5.0	-5.6	-6.2	-6.0	-6.5	-6.2	-2.5	2.5	7.3	11.2	12.7	13.2	13.4	13.5	12.0	6.4	3.7	2.7	1.0	-0.1	-2.4	-3.2	2.0	13.5	-6.5	
25	-3.8	-4.4	-4.1	-5.1	-5.2	-5.7	-5.2	-5.4	-1.2	4.2	10.6	13.1	13.6	14.2	14.0	13.7	10.9	7.2	2.9	1.9	0.6	-0.7	-2.9	-4.2	2.5	14.2	-5.7	
26	-5.1	-5.2	-6.0	-6.2	-6.9	-7.0	-6.9	-6.7	-0.6	2.0	9.0	11.2	12.8	14.0	14.4	13.9	12.3	6.8	1.3	-1.8	-3.1	-4.7	-5.8	-6.3	1.1	14.4	-7.0	
27	-7.0	-6.8	-6.7	-6.6	-7.5	-8.0	-8.7	-8.4	-5.2	0.0	7.0	10.4	11.5	11.7	10.9	7.2	4.7	2.2	0.9	0.1	-0.5	-0.5	-1.3	-1.5	-0.1	11.7	-8.7	
28	-2.0	-2.4	-2.9	-3.4	-3.6	-4.1	-4.3	-4.9	-5.4	-5.7	-5.4	-5.6	-5.3	-4.8	-4.9	-5.5	-6.3	-6.9	-7.3	-7.8	-8.1	-8.6	-8.7	-8.8	-5.5	-2.0	-8.8	
29	-8.8	-8.7	-8.9	-8.8	-8.6	-8.3	-8.2	-8.0	-7.5	-6.6	-5.9	-5.3	-4.9	-4.4	-2.8	-2.0	-2.0	-4.2	-5.8	-7.0	-7.6	-8.0	-9.4	-9.6	-6.7	-2.0	-9.6	
30	-10.3	-10.0	-10.1	-10.1	-10.5	-11.4	-11.9	-11.4	-7.8	-2.4	0.3	1.6	2.4	3.3	3.9	3.8	2.5	-0.2	-1.0	-2.3	-4.1	-5.7	-5.6	-5.9	-4.3	3.9	-11.9	
31	-4.7	-2.8	-1.3	-1.3	-1.3	-1.9	-4.5	-3.4	-1.7	-0.1	2.0	3.1	2.8	3.1	3.8	3.8	2.5	2.4	1.8	1.0	1.0	0.6	0.7	0.6	0.3	3.8	-4.7	
Avg	-4.5	-4.9	-5.1	-5.4	-5.7	-6.0	-6.3	-5.8	-3.0	0.6	4.0	5.6	6.2	6.7	7.0	6.9	5.8	3.5	1.2	-0.1	-1.2	-2.2	-3.2	-3.8	-0.3	7.7	-7.4	
Max	1.1	0.5	0.6	0.6	0.2	0.3	0.1	0.6	1.6	5.5	10.6	13.1	13.6	14.2	14.4	14.1	12.8	9.0	6.6	4.7	4.6	3.5	2.6	2.2	2.7	14.4	-3.2	
Min	-10.3	-10.0	-10.1	-10.1	-10.5	-11.4	-11.9	-11.4	-8.1	-6.6	-5.9	-5.6	-5.3	-4.8	-4.9	-5.5	-6.3	-6.9	-7.3	-7.8	-8.1	-8.6	-9.4	-9.6	-6.7	-2.0	-11.9	

A-13

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	-0.1	-0.7	-0.9	-1.2	-3.4	-4.4	-4.5	-5.5	-2.8	1.0	3.5	4.8	5.4	6.1	5.8	5.5	4.5	1.6	-0.1	-1.7	-4.4	-4.9	-6.0	-6.0	-0.3	6.1	-6.0
2	-6.3	-7.1	-6.9	-6.9	-6.1	-4.4	-3.1	-2.3	0.3	3.0	5.2	6.2	7.8	9.5	9.6	8.8	7.9	5.9	4.4	1.1	0.5	0.4	0.8	0.7	1.2	9.6	-7.1
3	-0.2	-1.1	-1.7	-2.7	-3.7	-3.1	-3.1	-2.8	-2.8	-2.9	-2.7	-2.2	-2.0	-2.2	-2.1	-2.0	-3.0	-3.6	-4.1	-4.6	-5.3	-6.0	-6.4	-6.5	-3.2	-0.2	-6.5
4	-6.7	-6.6	-6.8	-7.9	-7.7	-10.2	-12.8	-13.2	-12.2	-9.3	-6.0	-4.5	-3.6	-3.7	-4.4	-3.5	-4.9	-8.4	-8.9	-9.8	-12.0	-10.7	-9.5	-10.1	-8.1	-3.5	-13.2
5	-10.4	-11.1	-12.2	-13.5	-13.6	-10.6	-8.0	-7.1	-6.7	-5.5	-4.6	-3.5	-2.9	-2.4	-1.5	-1.8	-2.1	-2.6	-3.8	-4.2	-4.1	-4.0	-3.8	-3.8	-6.0	-1.5	-13.6
6	-3.9	-3.8	-3.7	-3.7	-2.8	-2.6	-2.7	-3.4	-3.6	-2.4	0.0	0.3	0.7	0.7	0.5	0.3	-0.4	-2.0	-4.5	-6.7	-8.5	-10.2	-11.3	-13.5	-3.6	0.7	-13.5
7	-14.2	-13.8	-14.1	-12.1	-10.2	-8.7	-9.0	-8.5	-6.1	-1.4	3.0	3.6	4.0	4.5	5.3	5.5	5.3	4.5	4.2	3.6	3.3	2.9	2.3	-0.1	-1.9	5.5	-14.2
8	0.3	0.2	0.0	0.1	0.1	0.3	0.3	0.3	0.6	0.8	1.1	1.3	1.5	1.6	1.0	0.6	0.3	0.0	-0.1	-0.3	-0.9	-1.3	-1.3	-1.5	0.2	1.6	-1.5
9	-1.9	-2.1	-2.1	-2.7	-3.1	-5.9	-7.6	-9.0	-7.8	-4.3	-0.1	1.0	1.7	2.4	2.6	2.4	1.1	-1.8	-2.8	-3.3	-3.1	-2.5	-2.3	-1.9	-2.2	2.6	-9.0
10	-1.9	-1.9	-1.6	-1.5	-1.4	-1.3	-1.2	-0.9	-0.5	0.1	1.3	2.4	3.3	5.1	6.1	6.3	5.6	4.2	3.1	2.2	1.8	1.7	2.2	2.4	1.5	6.3	-1.9
11	1.5	0.5	-0.6	-1.5	-1.3	-1.1	-1.4	-1.3	-0.8	-0.1	0.8	2.2	3.9	4.6	5.1	5.9	3.8	1.3	-0.6	-1.9	-3.0	-4.1	-5.1	-4.9	0.1	5.9	-5.1
12	-5.2	-5.1	-5.4	-5.8	-5.4	-5.4	-5.4	-3.6	-2.2	1.4	5.7	10.7	12.1	13.6	13.1	11.3	7.9	4.5	2.6	0.6	0.0	0.3	0.2	-0.4	1.7	13.6	-5.8
13	-1.0	0.0	2.3	4.7	4.1	4.0	4.5	4.3	4.1	6.0	6.3	6.8	7.4	7.2	6.1	5.0	4.4	3.4	2.5	1.7	0.2	0.0	-0.1	-0.9	3.5	7.4	-1.0
14	-0.8	-0.1	-0.2	0.1	0.2	0.3	0.1	0.0	0.4	0.9	1.0	1.3	1.3	1.5	1.4	1.4	0.8	-0.7	-1.9	-3.3	-5.3	-5.8	-6.6	-6.4	-0.8	1.5	-6.6
15	-7.3	-6.5	-3.7	-2.3	-1.5	-1.2	-1.0	-1.1	-1.1	-0.8	-0.5	0.0	1.0	1.0	1.5	0.6	-0.5	-1.8	-1.5	-1.0	-1.1	-1.2	-0.8	-1.0	-1.3	1.5	-7.3
16	-1.3	-2.1	-2.3	-2.4	-2.5	-2.2	-2.3	-2.5	-2.5	-2.3	-2.0	-1.2	-0.9	0.0	-2.4	-2.5	-2.6	-2.6	-3.8	-4.5	-5.6	-6.1	-5.5	-5.4	-2.8	0.0	-6.1
17	-5.1	-6.0	-5.4	-6.1	-6.0	-5.5	-6.4	-7.0	-6.3	-4.2	-3.8	-2.5	-2.3	-2.0	-1.8	-1.8	-2.4	-3.3	-3.2	-4.2	-5.0	-5.6	-6.3	-6.3	-4.5	-1.8	-7.0
18	-6.5	-5.6	-5.4	-7.4	-8.6	-11.3	-12.2	-13.6	-11.6	-6.0	-1.4	3.2	4.4	5.7	6.1	5.7	1.8	0.0	-1.6	-3.1	-3.8	-3.9	-3.4	-1.9	-3.3	6.1	-13.6
19	4.3	1.0	1.9	5.6	5.8	5.5	5.4	5.1	5.3	5.9	6.2	6.3	6.9	7.3	6.9	6.6	6.4	5.0	5.6	5.7	3.8	3.1	2.7	2.4	5.0	7.3	1.0
20	2.3	2.4	0.9	0.5	0.7	-0.3	-5.2	-8.7	-12.3	-14.1	-13.3	-14.1	-15.1	-15.1	-15.8	-15.9	-17.3	-18.4	-20.0	-21.1	-21.6	-22.0	-22.7	-23.0	-12.0	2.4	-23.0
21	-23.5	-23.2	-23.2	-23.0	-22.9	-23.3	-23.6	-23.1	-21.6	-17.3	-12.5	-9.3	-8.3	-7.5	-7.3	-7.5	-9.9	-14.2	-15.5	-17.9	-18.9	-19.8	-19.5	-19.8	-17.2	-7.3	-23.6
22	-20.1	-20.2	-20.0	-19.9	-18.9	-19.6	-19.0	-19.7	-18.1	-13.8	-9.1	-4.6	-3.5	-2.7	-2.1	-2.2	-4.3	-9.2	-9.9	-11.1	-11.5	-12.0	-12.9	-13.2	-12.4	-2.1	-20.2
23	-14.0	-14.9	-16.2	-16.1	-16.6	-17.2	-17.1	-17.3	-15.7	-10.9	-5.7	-0.3	2.0	2.9	3.3	3.2	-1.2	-4.6	-7.5	-9.6	-10.2	-11.5	-11.7	-12.6	-9.1	3.3	-17.3
24	-13.5	-13.7	-13.3	-13.4	-12.8	-12.5	-11.8	-11.7	-10.4	-6.7	-4.0	-0.9	3.1	4.6	4.9	4.5	1.0	-2.9	-3.5	-4.6	-5.6	-6.5	-6.7	-8.1	-6.0	4.9	-13.7
25	-8.4	-8.3	-9.0	-9.7	-10.3	-11.0	-12.1	-12.7	-11.8	-8.2	-3.6	1.2	2.9	3.5	3.8	3.7	1.1	-2.8	-4.7	-6.6	-7.3	-8.3	-7.6	-7.9	-5.6	3.8	-12.7
26	-9.7	-10.0	-10.4	-10.5	-10.8	-10.5	-10.6	-11.4	-9.9	-6.0	-1.8	2.8	6.1	7.2	7.2	6.7	3.5	-0.9	-2.5	-2.4	-4.2	-4.4	-5.2	-4.7	-3.9	7.2	-11.4
27	-4.5	-5.0	-5.4	-5.1	-5.3	-5.7	-5.3	-5.5	-5.2	-3.9	-1.7	2.7	5.7	6.4	5.7	4.3	0.6	-1.5	-3.5	-6.2	-7.5	-8.2	-8.4	-9.1	-3.0	6.4	-9.1
28	-10.0	-10.5	-10.9	-11.8	-12.2	-12.7	-12.9	-13.0	-11.8	-8.2	-3.2	1.4	5.2	6.6	6.6	5.2	3.1	-1.2	-2.7	-4.5	-6.8	-7.9	-8.0	-8.6	-5.4	6.6	-13.0
29	-9.2	-9.2	-9.5	-9.1	-9.6	-10.0	-9.9	-10.4	-10.2	-7.7	-2.4	5.1	6.7	6.7	6.5	5.8	4.2	3.2	2.7	-0.3	0.7	2.2	0.7	0.1	-2.2	6.7	-10.4
30	0.6	2.1	2.2	2.1	1.8	1.8	1.8	0.6	1.3	2.4	2.7	3.5	4.2	3.7	1.7	0.9	0.8	0.9	2.1	2.6	2.3	2.0	1.4	1.1	1.9	4.2	0.6
Avg	-5.9	-6.1	-6.1	-6.1	-6.1	-6.3	-6.5	-6.8	-6.1	-3.8	-1.4	0.8	2.0	2.6	2.4	2.1	0.5	-1.6	-2.7	-3.8	-4.8	-5.1	-5.4	-5.7	-3.3	3.5	-9.7
Max	4.3	2.4	2.3	5.6	5.8	5.5	5.4	5.1	5.3	6.0	6.3	10.7	12.1	13.6	13.1	11.3	7.9	5.9	5.6	5.7	3.8	3.1	2.7	2.4	5.0	13.6	1.0
Min	-23.5	-23.2	-23.2	-23.0	-22.9	-23.3	-23.6	-23.1	-21.6	-17.3	-13.3	-14.1	-15.1	-15.1	-15.8	-15.9	-17.3	-18.4	-20.0	-21.1	-21.6	-22.0	-22.7	-23.0	-17.2	-7.3	-23.6

A-14

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	1.7	1.9	1.9	1.7	1.6	0.7	1.6	1.1	1.5	2.1	2.2	1.1	1.0	1.0	1.5	1.9	2.2	2.7	2.4	1.9	1.9	1.7	1.4	0.9	1.6	2.7	0.7
2	0.2	-0.1	-0.3	-0.3	0.0	0.5	0.8	0.5	0.4	0.4	0.2	-0.3	-1.1	-3.3	-5.0	-7.1	-8.9	-11.7	-13.1	-13.5	-14.1	-15.6	-16.3	-16.7	-5.2	0.8	-16.7
3	-17.0	-17.5	-17.8	-18.1	-18.2	-18.8	-19.2	-19.1	-19.3	-19.2	-19.0	-18.7	-18.3	-18.3	-18.8	-19.1	-19.3	-20.2	-20.6	-20.7	-20.9	-22.1	-22.4	-22.2	-19.4	-17.0	-22.4
4	-22.9	-22.9	-22.6	-22.5	-22.7	-22.6	-22.2	-21.9	-21.7	-21.1	-20.6	-20.2	-19.9	-20.2	-20.6	-21.4	-22.5	-24.3	-25.8	-27.1	-29.6	-30.7	-31.3	-32.1	-23.7	-19.9	-32.1
5	-32.8	-33.3	-33.7	-33.8	-33.7	-33.9	-33.9	-34.2	-34.0	-32.0	-29.5	-26.2	-22.9	-20.0	-19.2	-19.3	-21.3	-22.5	-24.2	-26.2	-27.0	-28.6	-27.9	-29.2	-28.3	-19.2	-34.2
6	-31.1	-31.8	-32.6	-33.2	-33.6	-34.2	-34.3	-34.7	-34.2	-33.5	-31.0	-28.0	-26.8	-26.4	-26.4	-27.5	-29.2	-30.1	-31.8	-32.3	-32.4	-32.8	-33.3	-33.5	-31.4	-26.4	-34.7
7	-33.8	-34.3	-34.6	-35.0	-35.5	-35.2	-35.2	-35.4	-35.2	-33.5	-30.5	-27.4	-25.4	-24.0	-24.1	-25.1	-26.6	-28.3	-29.9	-31.2	-31.5	-32.4	-32.7	-33.0	-31.2	-24.0	-35.5
8	-33.8	-33.5	-32.5	-30.9	-30.1	-28.9	-28.1	-26.1	-24.8	-23.6	-21.2	-20.1	-19.7	-19.1	-19.0	-19.2	-19.8	-20.6	-20.7	-20.4	-20.6	-21.6	-22.4	-25.1	-24.2	-19.0	-33.8
9	-26.9	-27.8	-26.9	-26.7	-23.2	-19.4	-18.6	-18.2	-17.4	-16.3	-15.2	-14.4	-13.5	-12.7	-11.9	-11.8	-11.4	-11.0	-10.4	-10.3	-10.1	-11.5	-10.6	-9.2	-16.1	-9.2	-27.8
10	-8.5	-8.3	-8.7	-8.5	-8.3	-8.2	-8.4	-8.3	-8.6	-8.8	-8.8	-8.7	-8.7	-9.0	-9.3	-9.7	-10.2	-11.0	-11.6	-13.7	-15.5	-15.8	-17.1	-18.2	-10.5	-8.2	-18.2
11	-20.1	-20.6	-20.6	-21.0	-19.4	-16.8	-18.1	-16.7	-17.6	-18.1	-12.3	-8.6	-6.4	-5.7	-6.5	-7.2	-10.5	-12.5	-14.5	-15.1	-14.5	-13.7	-12.1	-10.7	-14.1	-5.7	-21.0
12	-9.6	-8.6	-8.5	-6.0	-5.2	-3.8	-6.4	-6.5	-7.0	-7.6	-7.0	-5.2	-2.5	-1.6	-1.5	-2.3	-3.1	-4.2	-4.6	-7.1	-9.2	-9.1	-6.7	-6.5	-5.8	-1.5	-9.6
13	-6.7	-5.5	-5.5	-2.9	-2.2	-2.9	-2.6	-2.7	-2.8	-2.7	-2.3	-1.9	-1.7	-1.3	-0.9	-0.6	-1.0	-1.9	-2.1	-2.2	-3.6	-4.0	-3.4	-3.1	-2.8	-0.6	-6.7
14	-3.0	-2.0	-2.1	-2.0	-2.1	-2.5	-3.1	-3.1	-2.3	-1.4	0.0	-0.3	0.0	0.0	0.0	-0.1	0.1	0.2	1.0	1.6	2.0	2.1	1.8	2.1	-0.5	2.1	-3.1
15	2.9	2.5	2.5	2.3	2.2	2.8	2.7	1.7	1.2	2.5	2.9	2.9	3.3	3.3	4.0	4.2	4.0	3.8	3.4	2.7	2.3	2.4	1.7	1.8	2.7	4.2	1.2
16	2.5	2.2	1.9	1.9	1.7	0.6	0.8	0.5	0.3	0.8	1.0	1.4	1.7	2.2	2.5	2.5	2.4	2.2	1.6	1.6	1.7	1.3	-0.5	-2.1	1.4	2.5	-2.1
17	-3.7	-5.0	-5.7	-7.5	-7.7	-7.9	-7.7	-7.9	-7.2	-7.7	-5.0	Au	Au	Au	7.8	7.4	5.8	4.4	4.5	2.8	3.6	4.3	3.7	1.6	-1.3	7.8	-7.9
18	-1.1	-2.6	-4.3	-5.2	0.3	2.9	3.4	3.5	2.8	2.3	2.9	2.5	3.2	2.8	2.5	1.8	1.5	-1.1	-2.7	-3.4	-2.8	-6.0	-9.4	-12.4	-0.8	3.5	-12.4
19	-13.1	-14.3	-15.7	-16.7	-17.6	-18.2	-19.3	-19.7	-19.9	-19.9	-19.7	-18.7	-17.6	-16.2	-15.3	-15.3	-18.1	-21.2	-23.5	-22.9	-23.8	-25.7	-26.0	-24.9	-19.3	-13.1	-26.0
20	-24.5	-24.2	-24.1	-24.4	-24.6	-24.9	-24.8	-24.6	-24.9	-23.8	-20.1	-16.5	-10.2	-8.2	-8.0	-7.7	-8.1	-8.6	-8.5	-8.3	-7.9	-7.7	-7.7	-7.3	-15.8	-7.3	-24.9
21	-7.5	-7.8	-7.8	-7.8	-6.8	-6.6	-6.8	-7.1	-7.3	-7.4	-7.3	-7.1	-6.9	-6.8	-6.7	-6.7	-6.7	-7.4	-7.5	-7.8	-8.2	-8.5	-9.0	-9.3	-7.5	-6.6	-9.3
22	-9.3	-9.0	-8.7	-8.7	-8.5	-8.1	-7.9	-7.4	-8.9	-11.2	-11.6	-11.9	-11.4	-10.6	-11.2	-12.4	-12.6	-14.7	-16.0	-16.3	-18.3	-20.1	-22.6	-22.9	-12.5	-7.4	-22.9
23	-23.5	-23.7	-21.4	-17.9	-15.1	-12.7	-11.3	-9.3	-5.9	-4.5	-4.5	-3.2	-1.4	-0.4	1.4	1.0	1.2	0.5	0.7	2.2	2.1	0.7	0.2	-0.7	-6.1	2.2	-23.7
24	-1.7	-2.4	-2.8	-3.2	-3.5	-3.5	-3.6	-3.7	-3.7	-4.0	-3.8	-3.7	-3.4	-3.3	-3.5	-3.7	-3.9	-5.7	-7.9	-11.0	-13.0	-15.2	-17.1	-17.7	-6.0	-1.7	-17.7
25	-19.7	-20.8	-21.3	-21.7	-22.3	-22.6	-22.8	-23.0	-23.2	-21.7	-18.8	-16.8	-14.1	-12.1	-9.9	-9.9	-9.3	-7.4	-6.9	-6.1	-4.9	-3.7	-3.3	-5.5	-14.5	-3.3	-23.2
26	-6.9	-8.1	-9.0	-8.9	-9.9	-8.1	-7.2	-5.2	-5.5	-6.5	-3.4	-0.1	3.5	3.4	4.2	3.7	4.2	4.5	4.6	4.8	4.7	4.7	4.5	3.0	-1.2	4.8	-9.9
27	1.1	-1.9	-2.3	-3.5	-3.4	-4.1	-5.9	-8.0	-10.1	-10.4	-9.0	-6.9	-2.0	4.5	6.5	4.4	1.1	-1.9	-4.3	-5.1	-5.6	-5.6	-6.5	-6.6	-3.6	6.5	-10.4
28	-2.3	3.5	2.1	0.5	-4.6	-8.2	-9.4	-11.9	-13.7	-14.5	-14.3	-13.5	-12.2	-11.4	-10.6	-10.1	-11.3	-12.5	-12.4	-13.5	-12.7	-12.2	-12.0	-11.6	-9.5	3.5	-14.5
29	-12.1	-12.3	-12.5	-13.9	-16.4	-17.3	-16.7	-11.5	-13.1	-12.1	-7.2	-4.7	-4.7	-4.1	-3.8	-3.6	-3.2	-3.2	-3.5	-3.7	-3.7	-4.5	-4.5	-3.9	-8.2	-3.2	-17.3
30	-4.2	-3.8	-3.5	-4.3	-5.1	-5.7	-5.4	-6.3	-7.8	-7.8	-6.0	-2.2	-0.6	0.1	0.5	0.5	0.4	-0.3	-1.1	-1.5	-1.3	-0.2	0.7	0.4	-2.7	0.7	-7.8
31	0.6	1.0	1.4	1.6	1.3	1.4	1.8	1.4	1.3	1.1	1.1	1.1	1.3	0.6	0.2	0.5	-0.3	-0.3	-0.6	-1.1	-1.4	-1.8	-2.0	-1.4	0.3	1.8	-2.0
Avg	-11.8	-12.0	-12.1	-12.1	-12.0	-11.8	-11.9	-11.7	-11.9	-11.6	-11.0	-9.2	-7.9	-7.2	-6.5	-6.9	-7.6	-8.5	-9.2	-9.8	-10.1	-10.7	-11.1	-11.5	-10.2	-4.8	-17.0
Max	2.9	3.5	2.5	2.3	2.2	2.9	3.4	3.5	2.8	2.5	2.9	2.9	3.5	4.5	7.8	7.4	5.8	4.5	4.6	4.8	4.7	4.7	4.5	3.0	2.7	7.8	1.2
Min	-33.8	-34.3	-34.6	-35.0	-35.5	-35.2	-35.2	-35.4	-35.2	-33.5	-31.0	-28.0	-26.8	-26.4	-26.4	-27.5	-29.2	-30.1	-31.8	-32.3	-32.4	-32.8	-33.3	-33.5	-31.4	-26.4	-35.5

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

Day	<< Hour >>																								Avg	Max	Min	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw				
2	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			
3	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			
4	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			
5	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			
6	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			
7	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			
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	-0.90	-1.02	-0.68	-1.21	-0.32	-0.29	-0.16	0.35	1.36	1.01	0.86	1.51	0.96	1.24	0.19	1.51	-1.21	
9	1.11	1.14	1.07	1.47	1.79	1.30	1.26	0.62	-0.28	-0.40	-0.96	-1.19	-1.21	-1.21	-1.01	-0.62	-0.22	0.10	0.32	0.76	1.27	2.02	1.28	1.19	0.40	2.02	-1.21	
10	1.09	1.48	1.40	1.22	1.51	1.37	1.44	0.50	-0.35	-0.49	-0.68	-0.95	-0.89	-0.98	-0.95	-0.77	-0.13	0.13	0.29	0.48	1.00	0.40	0.26	0.72	0.30	1.51	-0.98	
11	0.50	0.58	0.25	0.29	0.11	0.36	0.37	0.07	0.02	-0.03	-0.12	-0.41	-0.48	-0.56	-0.38	-0.65	0.03	1.22	0.98	0.74	1.35	1.55	1.82	1.25	0.37	1.82	-0.65	
12	1.50	1.27	1.30	1.20	0.99	0.98	0.82	0.47	-0.18	-0.34	-0.45	-0.59	-0.53	-0.49	-0.41	-0.30	-0.14	0.01	0.26	0.28	0.17	0.51	0.94	1.03	0.35	1.50	-0.59	
13	1.15	1.15	1.37	0.87	0.82	1.14	1.64	0.82	-0.17	-0.44	-0.41	-0.49	-0.35	-0.15	0.06	0.10	0.06	0.17	0.21	0.18	0.10	0.11	0.13	0.11	0.34	1.64	-0.49	
14	0.03	0.06	0.11	0.22	0.09	0.21	0.30	0.01	-0.20	-0.32	-0.28	-0.15	-0.42	-0.37	-0.57	-0.19	-0.07	0.17	0.19	0.33	0.70	1.00	1.12	1.69	0.15	1.69	-0.57	
15	1.05	1.41	1.20	1.19	0.96	1.25	1.09	0.45	-0.28	-0.35	-0.59	-0.84	-0.91	-0.78	-0.68	-0.59	-0.18	1.09	0.63	0.27	1.81	1.55	1.52	1.34	0.48	1.81	-0.91	
16	1.08	1.25	1.19	1.15	1.30	1.12	0.97	0.38	-0.18	-0.23	-0.31	-0.34	-0.18	-0.25	-0.31	-0.28	-0.09	0.06	0.21	0.24	0.24	0.33	0.54	0.35	0.34	1.30	-0.34	
17	0.54	0.70	0.07	0.05	-0.03	0.15	0.08	-0.08	-0.12	-0.13	-0.20	-0.49	-0.52	-0.41	-0.43	-0.15	-0.04	0.03	-0.01	0.03	0.10	0.13	0.19	0.18	-0.02	0.70	-0.52	
18	0.29	0.95	0.99	1.43	1.28	0.84	0.68	0.60	0.04	-0.19	-0.30	-0.45	-0.49	-0.38	-0.60	-0.45	-0.03	0.92	0.64	0.34	0.56	0.83	0.96	1.19	0.40	1.43	-0.60	
19	1.17	0.97	1.09	1.04	0.90	0.93	0.85	0.61	-0.08	-0.19	-0.25	-0.31	-0.60	-0.18	-0.45	-0.25	0.17	1.05	1.20	0.25	0.17	0.31	0.61	0.49	0.40	1.20	-0.60	
20	0.16	0.06	0.16	0.19	0.34	0.41	0.54	0.23	0.07	-0.38	-0.51	-0.66	-0.62	-0.73	-0.69	-0.68	0.01	0.87	0.23	0.19	0.35	0.45	0.38	0.93	0.05	0.93	-0.73	
21	1.38	1.31	0.95	1.28	1.01	0.86	1.24	0.08	-0.15	-0.29	-0.46	-0.79	-0.88	-0.50	-0.61	-0.55	0.00	1.13	1.11	0.30	0.29	0.41	0.79	1.19	0.38	1.38	-0.88	
22	1.02	1.36	1.13	1.08	1.03	1.01	1.40	0.86	-0.19	-0.36	-0.49	-0.83	-0.82	-0.76	-0.67	-0.36	0.30	1.35	1.10	0.24	0.71	0.68	1.36	1.22	0.47	1.40	-0.83	
23	0.99	1.34	0.91	1.39	0.85	1.01	1.77	1.11	-0.17	-0.36	-0.38	-0.71	-0.86	-0.83	-0.67	-0.47	0.19	0.97	0.91	0.86	0.99	1.25	0.94	0.50	0.48	1.77	-0.86	
24	0.59	0.69	1.54	1.26	1.13	1.30	1.22	1.15	-0.34	-0.53	-0.41	-0.63	-0.80	-0.58	-0.50	-0.33	0.15	1.32	0.33	0.16	0.37	0.65	1.50	0.99	0.43	1.54	-0.80	
25	1.63	1.28	1.08	1.86	1.62	1.60	1.60	1.42	-0.02	-0.29	-0.53	-0.69	-0.76	-0.73	-0.60	-0.31	0.40	1.52	0.58	0.47	0.64	0.82	1.49	1.47	0.65	1.86	-0.76	
26	1.26	1.49	2.17	1.60	1.95	1.34	1.38	1.18	-0.40	-0.42	-0.49	-0.69	-0.75	-0.70	-0.49	-0.20	0.37	1.95	1.12	1.46	1.44	1.90	1.82	1.76	0.84	2.17	-0.75	
27	1.89	1.78	1.85	1.32	1.82	1.75	1.82	1.68	0.09	-0.33	-0.44	-0.50	-0.67	-0.75	-0.56	-0.11	0.00	0.15	0.20	0.10	-0.01	-0.06	-0.03	-0.04	0.46	1.89	-0.75	
28	-0.02	-0.05	-0.03	-0.04	-0.04	-0.06	-0.09	-0.10	-0.14	-0.19	-0.21	-0.19	-0.28	-0.20	-0.13	-0.11	-0.10	-0.10	-0.10	-0.10	-0.11	-0.14	-0.16	-0.16	-0.12	-0.02	-0.28	
29	-0.13	-0.15	-0.17	-0.19	-0.18	-0.18	-0.19	-0.23	-0.30	-0.43	-0.46	-0.45	-0.41	-0.43	-0.47	-0.40	-0.09	0.60	0.46	0.58	0.55	0.48	0.56	0.78	-0.04	0.78	-0.47	
30	0.88	0.68	0.78	0.71	0.74	1.05	0.99	1.02	-0.20	-0.33	-0.51	-0.74	-0.81	-0.73	-0.69	-0.39	0.20	1.56	1.43	1.30	2.17	1.49	1.31	1.14	0.54	2.17	-0.81	
31	1.23	1.21	0.54	0.72	0.44	1.07	1.14	0.55	-0.12	-0.16	0.00	-0.10	-0.08	-0.10	-0.15	-0.07	0.19	0.23	0.12	0.24	0.12	0.29	0.25	0.28	0.33	1.23	-0.16	
Avg	0.89	0.95	0.91	0.93	0.89	0.90	0.97	0.58	-0.16	-0.31	-0.43	-0.59	-0.63	-0.58	-0.51	-0.35	0.03	0.70	0.57	0.45	0.66	0.77	0.86	0.87	0.34	1.47	-0.70	
Max	1.89	1.78	2.17	1.86	1.95	1.75	1.82	1.68	0.09	-0.03	0.00	-0.10	-0.08	-0.10	0.06	0.10	0.40	1.95	1.43	1.46	2.17	2.02	1.82	1.76	0.84	2.17	-0.16	
Min	-0.13	-0.15	-0.17	-0.19	-0.18	-0.18	-0.19	-0.23	-0.40	-0.53	-0.96	-1.19	-1.21	-1.21	-1.01	-0.77	-0.22	-0.10	-0.10	-0.10	-0.11	-0.14	-0.16	-0.16	-0.12	-0.02	-1.21	

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	0.39	0.26	0.32	0.67	0.73	0.86	0.46	0.81	-0.23	-0.27	-0.41	-0.70	-0.85	-0.78	-0.43	-0.19	0.23	1.19	1.02	0.89	1.36	1.12	1.24	1.07	0.36	1.36	-0.85
2	0.93	1.08	1.22	0.99	0.88	0.35	0.36	0.48	0.35	0.05	-0.13	-0.09	-0.37	-0.56	-0.14	0.11	0.19	0.38	0.32	0.10	0.07	0.08	0.23	0.31	0.30	1.22	-0.56
3	0.30	0.38	0.50	0.79	1.13	0.64	0.37	0.14	0.06	-0.07	-0.30	-0.35	-0.34	-0.37	-0.24	-0.15	-0.07	0.19	0.11	0.03	0.23	0.22	0.28	0.06	0.15	1.13	-0.37
4	0.10	0.04	0.21	0.35	0.15	1.20	1.31	0.84	0.05	-0.17	-0.30	-0.36	-0.50	-0.21	-0.24	-0.22	0.55	0.96	0.20	0.62	1.09	0.14	0.03	0.44	0.26	1.31	-0.50
5	0.48	1.17	1.39	1.07	1.03	0.60	0.29	0.08	-0.01	-0.27	-0.43	-0.53	-0.55	-0.42	-0.32	0.08	0.13	0.07	-0.05	-0.04	-0.04	0.06	-0.05	-0.03	0.15	1.39	-0.55
6	-0.04	0.00	0.04	0.32	0.27	0.78	0.62	0.72	0.62	0.47	0.30	0.39	0.31	0.35	0.45	0.39	0.55	1.17	2.07	1.53	0.80	0.99	1.19	1.52	0.66	2.07	-0.04
7	1.68	1.49	1.61	0.55	0.35	-0.01	0.49	0.83	0.68	0.38	0.15	0.09	0.24	0.38	0.40	0.46	0.51	0.65	0.45	0.44	0.42	0.27	0.20	-0.04	0.53	1.68	-0.04
8	0.19	0.25	0.23	0.19	0.21	0.18	0.16	0.13	0.09	0.07	0.04	0.06	0.05	0.03	0.03	0.03	0.05	0.19	0.26	0.34	0.53	0.52	0.39	0.32	0.19	0.53	0.03
9	0.40	0.41	0.38	0.88	0.77	1.64	0.54	0.39	-0.01	-0.23	-0.32	-0.23	-0.25	-0.20	-0.03	0.14	0.69	0.47	0.30	0.42	0.06	-0.03	-0.01	-0.01	0.26	1.64	-0.32
10	0.02	0.07	0.02	0.05	0.07	0.22	0.06	0.17	-0.04	-0.07	-0.06	0.09	-0.08	0.10	0.46	0.66	0.67	0.66	0.40	0.47	0.50	0.62	0.47	0.34	0.24	0.67	-0.08
11	0.25	0.51	0.06	-0.08	-0.09	-0.07	-0.10	-0.09	-0.15	-0.19	-0.21	-0.24	-0.21	-0.19	-0.19	-0.20	0.62	0.41	0.29	0.52	0.57	0.91	1.10	1.25	0.19	1.25	-0.24
12	1.19	0.98	0.99	1.55	1.47	1.48	1.63	0.64	0.88	0.16	0.22	-0.11	-0.11	-0.21	0.44	0.48	1.20	0.30	0.51	0.68	0.61	0.49	0.39	0.54	0.68	1.63	-0.21
13	0.72	1.30	1.00	1.07	1.27	1.14	0.62	0.62	0.42	-0.01	-0.11	-0.24	-0.29	-0.17	0.11	0.30	0.35	0.34	0.32	0.37	0.68	0.93	0.64	0.79	0.51	1.30	-0.29
14	0.86	0.45	0.48	0.33	0.27	0.21	0.29	0.24	0.06	-0.03	-0.13	-0.16	-0.17	-0.17	-0.07	0.04	0.35	0.64	0.42	0.43	0.96	1.03	1.03	0.98	0.35	1.03	-0.17
15	1.57	2.08	0.97	0.54	0.29	0.18	0.08	0.05	-0.03	-0.12	-0.16	-0.26	-0.58	-0.42	-0.47	-0.09	0.02	0.04	0.22	0.12	0.10	0.11	0.10	0.11	0.19	2.08	-0.58
16	0.01	-0.03	-0.04	-0.05	-0.07	-0.06	-0.03	-0.05	-0.05	-0.06	-0.04	-0.20	-0.15	-0.16	-0.12	0.13	0.25	0.08	0.12	0.10	0.19	0.38	-0.01	0.07	0.01	0.38	-0.20
17	0.29	0.59	0.65	0.78	0.59	0.58	1.00	0.88	1.07	-0.05	-0.20	-0.09	0.02	-0.01	0.03	0.10	0.22	0.37	0.32	0.82	0.55	0.24	0.41	1.29	0.44	1.29	-0.20
18	1.36	0.78	0.73	1.50	0.90	1.57	1.67	1.88	1.06	-0.01	0.09	0.23	0.10	0.11	0.34	0.67	1.55	1.30	0.66	0.46	0.58	0.48	0.56	1.35	0.83	1.88	-0.01
19	0.83	1.27	1.09	0.44	0.48	0.52	0.46	0.44	0.35	0.19	0.14	0.14	0.09	0.12	0.27	0.36	0.41	0.75	0.46	0.37	0.31	0.35	0.84	0.86	0.48	1.27	0.09
20	0.82	0.53	0.63	0.46	0.62	0.61	-0.14	-0.21	-0.24	-0.32	-0.33	-0.38	-0.42	-0.42	-0.36	-0.25	0.17	0.33	0.99	1.34	0.53	0.55	0.54	0.98	0.25	1.34	-0.42
21	0.71	0.78	0.68	1.16	1.07	1.09	1.01	0.78	0.18	-0.23	-0.40	-0.44	-0.50	-0.37	-0.34	-0.05	0.78	0.26	0.26	0.84	0.91	0.97	0.79	0.90	0.45	1.16	-0.50
22	0.83	0.87	0.87	1.27	0.98	0.76	0.73	0.77	0.18	-0.26	-0.26	-0.44	-0.43	-0.42	-0.29	-0.04	0.81	0.64	0.22	0.33	0.23	0.22	0.44	0.36	0.35	1.27	-0.44
23	0.76	1.02	1.35	1.38	1.50	1.53	1.31	1.56	0.36	-0.28	-0.21	-0.25	-0.39	-0.21	-0.22	0.00	0.99	1.03	1.38	2.38	1.91	2.05	1.68	2.11	0.95	2.38	-0.39
24	1.59	1.60	2.12	1.83	1.28	1.34	0.99	1.33	0.54	0.09	-0.15	-0.18	-0.33	-0.27	-0.14	0.23	1.00	0.89	0.55	1.03	0.97	0.81	1.04	1.25	0.81	2.12	-0.33
25	0.87	0.79	0.95	0.94	1.04	0.98	1.15	1.24	0.50	-0.09	-0.43	-0.36	-0.28	-0.23	-0.06	0.14	1.09	1.47	0.94	1.52	1.26	1.66	0.64	1.05	0.70	1.66	-0.43
26	1.54	1.49	1.52	1.01	1.47	1.21	1.17	1.60	0.69	-0.23	-0.16	-0.28	-0.25	-0.18	-0.02	0.22	0.77	0.62	0.75	0.45	0.88	0.78	1.05	0.83	0.71	1.60	-0.28
27	0.61	1.01	0.83	0.67	1.19	0.94	0.94	0.90	0.70	0.09	-0.16	-0.12	-0.26	-0.11	0.30	0.68	0.69	0.48	0.81	2.11	1.98	2.23	0.96	1.04	0.77	2.23	-0.26
28	1.51	0.95	1.33	1.61	1.26	1.45	1.49	1.65	0.85	-0.08	-0.23	-0.31	-0.33	-0.21	-0.15	0.34	0.95	0.79	0.68	0.99	1.53	1.38	1.11	1.46	0.83	1.65	-0.33
29	1.32	1.07	1.42	1.32	1.23	1.59	1.12	1.20	0.93	0.31	-0.31	-0.11	-0.12	-0.02	0.08	0.36	0.91	0.83	1.23	2.36	0.96	0.24	0.31	0.32	0.77	2.36	-0.31
30	0.43	0.25	0.17	0.18	0.18	0.20	0.29	0.54	0.22	-0.04	-0.21	-0.30	-0.34	-0.05	-0.01	0.07	0.21	0.28	0.32	0.25	0.23	0.29	0.34	0.35	0.16	0.54	-0.34
Avg	0.75	0.78	0.79	0.79	0.75	0.79	0.68	0.69	0.34	-0.04	-0.16	-0.19	-0.24	-0.18	-0.03	0.16	0.56	0.59	0.55	0.74	0.70	0.67	0.60	0.73	0.45	1.45	-0.30
Max	1.68	2.08	2.12	1.83	1.50	1.64	1.67	1.88	1.07	0.47	0.30	0.39	0.31	0.38	0.46	0.68	1.55	1.47	2.07	2.38	1.98	2.23	1.68	2.11	0.95	2.38	0.09
Min	-0.04	-0.03	-0.04	-0.08	-0.09	-0.07	-0.14	-0.21	-0.24	-0.32	-0.43	-0.70	-0.85	-0.78	-0.47	-0.25	-0.07	0.04	-0.05	-0.04	-0.04	-0.03	-0.05	-0.04	0.01	0.38	-0.85

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	0.22	0.16	0.20	0.29	0.33	0.22	0.21	0.22	0.17	0.08	0.03	-0.07	-0.08	0.05	0.06	0.12	0.18	0.20	0.16	0.14	0.25	0.29	0.28	0.20	0.16	0.33	-0.08
2	0.24	0.16	0.31	0.49	0.37	0.04	0.15	0.03	0.01	0.07	0.03	0.01	0.01	-0.03	-0.06	-0.05	-0.07	-0.12	-0.08	-0.07	-0.08	-0.05	-0.07	-0.07	0.05	0.49	-0.12
3	-0.06	-0.07	-0.10	-0.09	-0.08	0.08	0.10	-0.05	-0.12	-0.17	-0.18	-0.18	-0.19	-0.14	-0.09	-0.08	-0.03	0.21	0.20	0.10	0.14	0.42	0.52	0.33	0.02	0.52	-0.19
4	0.10	0.01	-0.03	0.29	0.17	0.00	-0.04	-0.04	-0.02	-0.13	-0.17	-0.20	-0.21	-0.24	-0.16	-0.04	0.28	0.79	0.75	0.93	0.53	0.33	0.48	0.62	0.17	0.93	-0.24
5	0.50	0.96	1.13	0.77	0.67	1.04	1.01	0.79	0.59	-0.13	-0.20	-0.12	0.22	0.06	-0.02	0.17	1.18	0.93	1.20	1.09	1.27	1.57	0.75	1.33	0.70	1.57	-0.20
6	1.77	1.20	0.90	1.07	0.35	0.22	0.22	0.24	0.17	-0.11	-0.29	-0.61	-0.22	-0.26	-0.14	0.12	0.33	0.42	0.50	0.31	0.33	0.32	0.24	0.29	0.31	1.77	-0.61
7	0.21	0.33	0.36	0.39	0.37	0.41	0.25	0.43	0.39	-0.14	-0.34	-0.43	-0.23	-0.28	-0.12	0.22	0.57	0.72	0.84	0.82	0.55	0.53	0.68	0.70	0.30	0.84	-0.43
8	0.88	0.85	0.72	0.28	0.36	0.28	0.35	0.04	-0.01	-0.09	-0.21	-0.23	-0.24	-0.28	-0.11	0.08	0.49	0.47	0.25	0.04	0.08	0.33	0.80	1.64	0.28	1.64	-0.28
9	1.01	0.55	0.51	0.42	0.40	0.08	-0.06	-0.07	-0.10	-0.10	-0.08	-0.08	-0.09	-0.07	-0.09	0.01	0.05	0.01	0.04	0.03	0.06	0.48	0.21	0.14	0.14	1.01	-0.10
10	0.09	0.05	0.00	-0.01	0.00	0.03	0.00	0.02	-0.01	-0.02	-0.03	-0.04	0.00	0.03	0.19	0.03	0.06	0.05	0.33	0.98	0.94	0.93	1.43	1.69	0.28	1.69	-0.04
11	2.57	1.84	2.31	2.27	3.34	3.09	2.67	2.62	1.86	2.23	2.05	1.12	0.63	0.35	0.50	0.79	1.60	1.67	1.37	0.97	1.08	0.24	0.07	0.16	1.56	3.34	0.07
12	0.19	0.50	0.50	0.51	0.75	0.62	0.46	0.44	0.64	0.87	0.87	0.98	0.36	0.30	0.26	0.63	0.63	0.76	0.19	0.91	1.08	1.07	0.90	0.93	0.64	1.08	0.19
13	0.75	1.26	0.89	0.42	0.12	0.11	0.14	0.10	0.08	0.07	0.08	0.18	0.12	0.11	0.19	0.22	0.27	0.45	0.44	0.36	0.35	0.47	0.41	0.27	0.33	1.26	0.07
14	0.31	0.20	0.29	0.18	0.35	0.65	0.83	0.67	0.35	0.34	0.26	0.19	0.18	0.21	0.12	0.12	0.26	0.24	0.14	0.19	0.22	0.24	0.50	0.60	0.32	0.83	0.12
15	0.59	0.49	0.66	0.56	0.60	0.61	0.63	0.98	0.84	0.57	0.47	0.56	0.63	0.57	0.39	0.49	0.58	0.56	0.44	0.50	0.51	0.48	0.71	0.64	0.59	0.98	0.39
16	0.47	0.37	0.42	0.42	0.41	0.74	0.49	0.66	0.58	0.37	0.32	0.30	0.25	0.27	0.31	0.43	0.46	0.41	0.68	0.44	0.38	0.51	0.98	0.67	0.47	0.98	0.25
17	1.65	2.43	2.72	0.65	0.61	0.57	0.71	0.93	1.04	1.27	1.41	Au	Au	Au	0.74	0.87	1.25	1.63	1.38	2.51	1.90	1.26	1.56	2.30	1.40	2.72	0.57
18	1.85	1.92	2.06	2.43	2.34	1.09	0.77	0.70	0.63	0.98	0.57	0.67	0.35	0.50	0.71	0.93	0.37	0.72	0.67	0.65	0.04	-0.06	-0.12	-0.11	0.86	2.43	-0.12
19	-0.08	-0.08	-0.06	-0.10	-0.10	-0.15	-0.16	-0.13	-0.13	-0.07	0.07	-0.10	-0.18	-0.36	-0.49	0.08	1.13	1.13	1.37	0.97	0.95	1.17	1.41	1.15	0.30	1.41	-0.49
20	0.92	1.03	1.29	1.23	1.70	1.72	1.42	1.34	1.49	1.27	1.10	1.90	0.82	0.23	0.18	0.17	-0.02	0.01	-0.01	-0.02	0.02	0.04	0.12	0.04	0.75	1.90	-0.02
21	0.22	0.18	0.05	0.06	0.03	0.03	0.02	0.06	0.05	0.04	0.03	0.01	0.04	0.03	0.05	0.12	0.25	0.42	0.38	0.49	0.53	0.37	0.39	0.26	0.17	0.53	0.01
22	0.26	0.12	0.02	0.13	0.15	0.00	0.15	0.07	0.31	0.08	0.16	0.11	0.01	0.29	1.13	1.35	0.88	1.46	1.13	0.56	1.24	1.92	2.23	2.02	0.66	2.23	0.00
23	1.80	1.88	0.67	0.23	0.15	0.25	0.44	0.86	0.71	0.59	0.87	0.50	0.20	0.23	0.24	0.24	0.32	0.72	0.35	0.37	0.25	0.03	0.02	0.28	0.51	1.88	0.02
24	0.21	0.04	0.02	0.00	-0.01	-0.01	0.05	0.14	0.10	0.32	0.29	0.34	0.21	0.22	0.26	0.30	0.28	0.83	1.15	1.13	1.29	1.48	2.08	1.41	0.51	2.08	-0.01
25	1.91	2.28	2.13	2.49	2.05	1.94	2.29	2.02	1.86	2.00	1.35	1.81	1.43	1.77	1.77	1.60	2.38	1.92	0.22	0.65	1.07	1.48	1.18	1.24	1.70	2.49	0.22
26	0.42	0.30	0.34	0.47	1.68	3.50	2.54	1.32	0.73	0.92	1.91	1.70	0.39	0.44	0.37	0.80	0.46	0.42	0.36	0.34	0.40	0.50	0.47	0.96	0.91	3.50	0.30
27	1.73	2.62	2.64	1.99	2.40	1.24	0.74	0.99	2.28	2.22	1.51	2.12	2.10	1.46	0.58	1.09	1.39	1.31	1.79	2.24	1.67	1.85	1.86	1.87	1.74	2.64	0.58
28	1.54	0.63	0.42	0.36	0.19	0.00	-0.02	-0.07	-0.05	0.22	0.30	0.09	-0.02	-0.06	-0.12	0.07	0.74	1.37	0.53	0.49	0.17	0.35	0.26	0.26	0.32	1.54	-0.12
29	0.64	0.59	0.66	1.15	2.40	1.92	1.69	1.33	1.99	3.23	0.62	0.24	0.13	0.10	0.12	0.16	0.13	0.26	0.45	0.55	0.45	0.59	0.63	0.65	0.86	3.23	0.10
30	0.78	0.60	0.33	0.62	0.51	1.26	0.79	0.79	1.01	1.65	1.27	0.32	0.36	0.27	0.24	0.34	0.43	0.59	0.30	0.48	0.90	0.50	0.24	0.26	0.62	1.65	0.24
31	0.21	0.15	0.12	0.19	0.22	0.17	0.22	0.17	0.15	0.15	0.08	0.09	0.09	0.01	0.06	0.00	0.04	0.09	0.14	0.18	0.17	0.31	0.28	0.15	0.14	0.31	0.00
Avg	0.77	0.76	0.73	0.65	0.74	0.70	0.61	0.57	0.57	0.60	0.46	0.37	0.24	0.19	0.23	0.37	0.54	0.67	0.57	0.62	0.60	0.64	0.69	0.74	0.57	1.61	0.00
Max	2.57	2.62	2.72	2.49	3.34	3.50	2.67	2.62	2.28	3.23	2.05	2.12	2.10	1.77	1.77	1.60	2.38	1.92	1.79	2.51	1.90	1.92	2.23	2.30	1.74	3.50	0.58
Min	-0.08	-0.08	-0.10	-0.10	-0.10	-0.15	-0.16	-0.13	-0.13	-0.17	-0.34	-0.61	-0.24	-0.36	-0.49	-0.08	-0.07	-0.12	-0.08	-0.07	-0.08	-0.06	-0.12	-0.11	0.02	0.31	-0.61

A-18

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

Day	<< Hour >>																								Avg	Max	Min	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw				
2	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			
3	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			
4	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			
5	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			
6	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			
7	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			
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	529.0	552.8	351.0	572.5	155.9	144.2	109.8	36.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	175.1	572.5	0.0	
9	0.0	0.0	0.0	0.0	0.0	0.0	7.7	128.2	301.0	334.1	583.8	622.9	625.1	572.5	473.0	336.3	157.5	35.8	0.0	0.0	0.0	0.0	0.0	0.0	174.1	625.1	0.0	
10	0.0	0.0	0.0	0.0	0.0	0.0	3.8	122.0	298.0	453.6	549.0	603.9	436.9	548.7	484.0	378.4	85.8	8.3	0.0	0.0	0.0	0.0	0.0	0.0	165.5	603.9	0.0	
11	0.0	0.0	0.0	0.0	0.0	0.0	4.4	31.1	109.2	85.6	161.7	300.2	268.5	299.4	177.2	331.8	100.8	18.9	0.0	0.0	0.0	0.0	0.0	0.0	78.7	331.8	0.0	
12	0.0	0.0	0.0	0.0	0.0	0.0	5.0	47.9	155.8	311.4	269.7	439.7	378.9	258.7	206.4	129.3	75.3	17.6	0.0	0.0	0.0	0.0	0.0	0.0	95.7	439.7	0.0	
13	0.0	0.0	0.0	0.0	0.0	0.0	5.4	81.0	222.6	414.6	305.6	381.7	205.0	69.2	30.8	24.2	55.1	6.6	0.0	0.0	0.0	0.0	0.0	0.0	75.1	414.6	0.0	
14	0.0	0.0	0.0	0.0	0.0	0.0	1.3	23.6	137.0	208.2	190.3	114.9	286.6	221.8	262.2	84.2	59.7	22.0	0.0	0.0	0.0	0.0	0.0	0.0	67.2	286.6	0.0	
15	0.0	0.0	0.0	0.0	0.0	0.0	2.7	52.5	274.4	432.2	529.5	599.7	604.4	552.4	452.2	314.9	154.0	15.9	0.0	0.0	0.0	0.0	0.0	0.0	166.0	604.4	0.0	
16	0.0	0.0	0.0	0.0	0.0	0.0	3.3	44.8	149.7	204.4	238.8	152.6	131.8	147.5	185.9	172.5	61.8	7.5	0.0	0.0	0.0	0.0	0.0	0.0	62.5	238.8	0.0	
17	0.0	0.0	0.0	0.0	0.0	0.0	1.2	21.8	74.4	86.1	85.5	264.1	275.3	254.8	277.4	175.7	28.1	4.3	0.0	0.0	0.0	0.0	0.0	0.0	64.5	277.4	0.0	
18	0.0	0.0	0.0	0.0	0.0	0.0	1.8	70.3	263.3	399.5	520.8	623.9	510.3	384.8	432.5	286.0	130.8	10.5	0.0	0.0	0.0	0.0	0.0	0.0	151.4	623.9	0.0	
19	0.0	0.0	0.0	0.0	0.0	0.0	1.2	50.7	149.5	319.4	310.1	309.2	457.6	195.9	391.2	266.3	110.2	4.8	0.0	0.0	0.0	0.0	0.0	0.0	106.9	457.6	0.0	
20	0.0	0.0	0.0	0.0	0.0	0.0	0.7	34.0	146.5	288.8	301.0	366.1	371.1	434.0	349.2	352.2	111.6	7.2	0.0	0.0	0.0	0.0	0.0	0.0	115.1	434.0	0.0	
21	0.0	0.0	0.0	0.0	0.0	0.0	1.5	24.0	97.7	313.0	486.4	558.2	571.7	339.9	393.8	331.1	118.9	7.0	0.0	0.0	0.0	0.0	0.0	0.0	135.1	571.7	0.0	
22	0.0	0.0	0.0	0.0	0.0	0.0	0.7	42.3	230.1	383.8	479.7	554.5	548.8	500.5	401.1	268.5	113.2	5.5	0.0	0.0	0.0	0.0	0.0	0.0	147.0	554.5	0.0	
23	0.0	0.0	0.0	0.0	0.0	0.0	0.8	52.4	239.9	379.2	484.7	540.2	544.0	493.8	394.5	260.1	105.9	4.9	0.0	0.0	0.0	0.0	0.0	0.0	145.8	544.0	0.0	
24	0.0	0.0	0.0	0.0	0.0	0.0	0.9	39.1	221.1	373.9	476.8	533.6	535.4	484.5	384.8	255.4	103.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	142.2	535.4	0.0	
25	0.0	0.0	0.0	0.0	0.0	0.0	0.8	51.4	232.5	369.0	473.7	531.1	537.7	490.4	387.6	251.0	66.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	141.4	537.7	0.0	
26	0.0	0.0	0.0	0.0	0.0	0.0	0.3	43.0	294.7	371.5	477.9	536.4	544.9	493.6	395.0	258.9	99.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	146.6	544.9	0.0	
27	0.0	0.0	0.0	0.0	0.0	0.0	1.3	42.8	162.4	337.1	441.7	507.4	534.0	499.2	339.4	115.4	15.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	124.9	534.0	0.0	
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	24.6	41.3	67.2	100.1	130.4	130.7	91.9	48.1	14.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	27.3	130.7	0.0	
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8	73.3	139.8	204.4	266.8	224.8	319.1	357.1	228.2	76.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	79.6	357.1	0.0	
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.2	194.1	342.4	445.1	503.5	508.3	456.1	357.8	225.5	74.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	130.7	508.3	0.0	
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.0	48.2	186.3	212.7	339.6	208.8	153.7	177.2	120.6	31.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	62.6	339.6	0.0	
Avg	0.0	0.0	0.0	0.0	0.0	0.0	1.9	46.9	178.3	294.6	367.7	429.3	408.0	369.7	314.9	223.3	85.8	9.6	0.0	0.0	0.0	0.0	0.0	0.0	114.8	461.2	0.0	
Max	0.0	0.0	0.0	0.0	0.0	0.0	7.7	128.2	301.0	453.6	583.8	623.9	625.1	572.5	484.0	378.4	157.5	36.5	0.0	0.0	0.0	0.0	0.0	0.0	175.1	625.1	0.0	
Min	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	24.6	41.3	67.2	100.1	130.4	69.2	30.8	24.2	14.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	27.3	130.7	0.0	

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.9	192.8	233.0	372.9	554.4	582.6	500.9	325.4	184.3	69.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0	127.3	582.6	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	70.0	142.3	191.9	139.9	272.3	388.6	193.0	47.9	19.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.5	388.6	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.8	89.0	71.3	248.4	258.6	218.2	224.1	157.2	78.6	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.9	258.6	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.3	93.3	244.6	303.7	277.7	437.3	142.3	165.1	212.2	25.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	80.3	437.3	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.3	109.0	301.8	433.2	482.1	478.9	428.6	326.0	94.7	19.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	111.9	482.1	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	40.5	135.0	230.0	370.0	369.4	366.9	170.3	180.5	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78.4	370.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.3	114.2	177.3	138.5	124.0	138.9	93.9	131.6	94.6	23.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.9	177.3	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4	54.7	61.6	98.5	79.6	83.5	98.9	62.7	30.6	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.8	98.9	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.3	150.1	298.1	372.5	407.2	410.2	358.9	219.9	133.5	32.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	410.2	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	19.3	45.6	74.9	81.9	139.0	143.7	49.8	26.1	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.1	143.7	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	44.0	95.8	131.2	231.2	245.5	145.9	222.2	177.0	22.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.0	245.5	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	94.0	293.3	389.1	453.3	438.3	440.2	217.9	124.7	25.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	103.7	453.3	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	110.2	274.0	390.5	453.5	459.7	460.6	158.4	66.6	25.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.2	460.6	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	60.0	71.1	106.3	130.7	126.7	116.8	76.4	57.1	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	130.7	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	57.9	69.7	85.0	142.5	398.5	282.8	302.8	56.9	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.4	398.5	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	18.9	38.6	68.9	223.1	147.7	236.3	125.4	46.8	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.2	236.3	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	70.3	112.7	205.8	263.3	133.7	175.3	150.7	50.9	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.4	263.3	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	129.2	253.5	238.3	200.2	225.9	243.5	177.9	109.0	16.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.7	253.5	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	45.8	184.4	348.5	293.1	285.4	207.0	111.0	83.7	18.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.9	348.5	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	20.3	47.3	89.8	118.6	129.9	120.7	77.8	73.7	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0	129.9	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	127.3	259.0	353.1	415.2	422.3	375.9	280.8	153.7	22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.6	422.3	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	110.1	238.8	343.9	404.7	412.2	365.2	272.5	148.5	20.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	96.7	412.2	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	109.0	240.9	344.2	404.1	414.9	362.5	271.6	147.8	19.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	96.6	414.9	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	100.7	144.7	170.6	229.6	362.6	342.3	255.8	136.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	73.6	362.6	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	100.4	224.9	328.4	384.8	392.3	344.9	254.8	135.8	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91.1	392.3	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	86.0	227.6	311.3	374.6	378.3	349.4	218.4	136.0	14.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.5	378.3	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	38.3	99.4	221.6	240.3	418.0	340.9	130.0	54.0	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.7	418.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	69.8	191.3	330.0	336.7	379.6	347.4	264.4	86.4	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84.4	379.6	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	57.4	162.3	316.1	370.1	378.1	321.8	245.6	115.3	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.8	378.1	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	56.4	154.1	231.1	322.3	349.8	174.9	66.4	36.8	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.7	349.8	0.0
Avg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	81.3	169.8	248.9	292.2	321.0	283.4	189.4	102.7	19.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	71.5	339.3	0.0
Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.9	192.8	301.8	433.2	554.4	582.6	500.9	326.0	212.2	69.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0	127.3	582.6	0.0
Min	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	18.9	38.6	68.9	79.6	83.5	93.9	49.8	26.1	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.8	98.9	0.0

A-20

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4	36.6	43.4	88.5	103.2	45.5	47.4	19.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.7	103.2	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	27.9	69.2	132.2	118.1	103.5	59.3	27.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.9	132.2	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	20.3	61.2	95.1	129.4	173.1	156.4	110.1	73.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.5	173.1	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	46.3	139.1	166.4	264.2	317.9	244.3	142.8	74.0	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.6	317.9	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	74.9	219.6	312.9	375.8	388.1	346.5	281.8	158.4	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.6	388.1	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	61.0	159.1	286.3	336.2	380.9	338.9	255.2	91.6	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.9	380.9	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	66.8	208.0	297.7	368.9	381.1	338.8	248.3	124.6	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85.3	381.1	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	28.3	108.8	172.4	193.1	205.6	217.5	132.8	86.3	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.0	217.5	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	19.0	75.2	119.7	154.0	187.4	191.1	244.4	59.5	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.1	244.4	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	85.1	146.1	212.6	196.6	202.6	179.9	56.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.8	212.6	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	36.6	159.0	280.6	348.6	363.4	304.4	210.1	97.1	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.5	363.4	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	36.0	81.7	100.8	105.9	111.6	104.8	92.1	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5	111.6	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	61.9	139.3	286.4	239.6	186.6	131.3	63.6	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.0	286.4	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	27.3	174.2	313.9	209.2	193.0	126.0	111.6	53.5	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.7	313.9	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	41.3	67.3	83.2	105.3	64.3	48.8	19.3	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7	105.3	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	20.0	76.4	116.5	138.1	234.2	172.7	99.6	39.1	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.6	234.2	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	19.7	127.7	158.9	Au	Au	Au	325.1	194.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.4	325.1	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	61.2	104.4	206.2	312.1	228.6	120.6	55.0	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.4	312.1	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	121.3	269.3	351.7	369.0	333.9	253.5	134.4	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.4	369.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	28.3	173.2	285.8	210.5	249.3	273.5	177.9	39.4	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.2	285.8	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1	47.2	95.5	143.7	140.6	132.7	101.0	38.2	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.9	143.7	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	33.8	50.1	67.1	85.6	85.7	43.6	52.4	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8	85.7	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	18.1	27.6	31.5	30.1	30.2	41.4	39.2	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	41.4	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6	126.3	265.1	341.8	425.5	412.4	244.9	101.2	25.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81.6	425.5	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	18.9	128.0	240.0	292.4	300.6	334.6	219.8	144.5	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.8	334.6	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0	191.4	191.9	256.8	357.1	325.1	237.6	95.2	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.5	357.1	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.8	159.6	270.6	345.6	372.0	377.5	299.7	108.7	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.3	377.5	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1	140.7	269.2	346.6	342.0	261.2	145.0	61.1	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.7	346.6	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.8	196.9	276.3	244.7	166.9	133.6	116.8	60.0	16.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.8	276.3	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1	82.2	181.3	308.7	260.2	299.2	143.5	46.4	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.3	308.7	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	30.4	56.5	51.8	53.8	56.4	60.6	47.3	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.6	60.6	0.0
Avg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	23.6	106.7	175.8	220.7	238.6	214.5	159.3	75.9	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.4	258.6	0.0
Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	74.9	219.6	313.9	375.8	425.5	412.4	325.1	194.0	25.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.6	425.5	0.0
Min	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	18.1	27.6	31.5	30.1	30.2	41.4	19.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	41.4	0.0

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

Day	<< Hour >>																								Avg	Max	Min	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw				
2	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			
3	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			
4	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			
5	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			
6	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			
7	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			
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	24.25	24.24	24.24	24.26	24.26	24.27	24.29	24.31	24.32	24.34	24.35	24.36	24.38	24.38	24.30	24.38	24.24	
9	24.39	24.40	24.41	24.42	24.42	24.43	24.43	24.43	24.45	24.45	24.44	24.43	24.41	24.39	24.38	24.36	24.35	24.34	24.34	24.33	24.32	24.31	24.29	24.27	24.38	24.45	24.27	
10	24.26	24.25	24.24	24.23	24.22	24.21	24.21	24.21	24.22	24.22	24.21	24.21	24.19	24.18	24.18	24.18	24.20	24.21	24.22	24.24	24.25	24.26	24.27	24.26	24.22	24.27	24.18	
11	24.26	24.28	24.29	24.30	24.31	24.32	24.34	24.35	24.37	24.38	24.39	24.40	24.39	24.39	24.39	24.40	24.40	24.40	24.40	24.40	24.40	24.42	24.43	24.43	24.37	24.43	24.26	
12	24.43	24.44	24.44	24.44	24.43	24.44	24.44	24.44	24.43	24.45	24.44	24.44	24.43	24.42	24.43	24.43	24.44	24.45	24.46	24.47	24.48	24.49	24.49	24.49	24.45	24.49	24.42	
13	24.49	24.49	24.48	24.50	24.49	24.48	24.50	24.50	24.52	24.52	24.51	24.50	24.48	24.47	24.48	24.49	24.50	24.52	24.53	24.54	24.55	24.55	24.55	24.55	24.51	24.55	24.47	
14	24.55	24.55	24.56	24.56	24.57	24.57	24.58	24.61	24.63	24.64	24.65	24.66	24.66	24.66	24.66	24.67	24.67	24.68	24.69	24.70	24.70	24.71	24.71	24.71	24.64	24.71	24.55	
15	24.71	24.71	24.71	24.70	24.69	24.68	24.68	24.68	24.68	24.68	24.66	24.65	24.62	24.59	24.57	24.56	24.55	24.54	24.53	24.52	24.52	24.52	24.51	24.50	24.61	24.71	24.50	
16	24.50	24.49	24.48	24.48	24.46	24.46	24.46	24.46	24.45	24.46	24.46	24.47	24.47	24.46	24.47	24.48	24.48	24.49	24.50	24.50	24.52	24.52	24.53	24.52	24.48	24.53	24.45	
17	24.52	24.51	24.50	24.49	24.49	24.49	24.49	24.50	24.50	24.51	24.51	24.52	24.51	24.50	24.50	24.50	24.50	24.51	24.52	24.54	24.55	24.56	24.56	24.55	24.51	24.56	24.49	
18	24.55	24.56	24.56	24.56	24.56	24.57	24.57	24.57	24.56	24.57	24.56	24.55	24.53	24.51	24.50	24.49	24.48	24.47	24.46	24.45	24.44	24.44	24.44	24.45	24.52	24.57	24.44	
19	24.43	24.43	24.43	24.43	24.43	24.42	24.42	24.42	24.42	24.43	24.42	24.41	24.40	24.38	24.37	24.36	24.36	24.35	24.35	24.36	24.40	24.42	24.44	24.45	24.41	24.45	24.35	
20	24.46	24.47	24.46	24.46	24.47	24.47	24.47	24.47	24.49	24.50	24.50	24.49	24.48	24.47	24.46	24.46	24.46	24.46	24.46	24.47	24.47	24.48	24.48	24.48	24.47	24.50	24.46	
21	24.49	24.49	24.50	24.51	24.52	24.52	24.52	24.52	24.53	24.55	24.55	24.55	24.53	24.53	24.53	24.53	24.53	24.53	24.53	24.53	24.54	24.55	24.55	24.56	24.53	24.56	24.49	
22	24.56	24.56	24.56	24.55	24.55	24.55	24.56	24.56	24.58	24.58	24.57	24.56	24.55	24.53	24.53	24.53	24.53	24.53	24.54	24.54	24.54	24.54	24.55	24.54	24.55	24.58	24.53	
23	24.55	24.55	24.55	24.56	24.57	24.57	24.57	24.58	24.60	24.60	24.60	24.59	24.58	24.57	24.57	24.57	24.57	24.57	24.58	24.59	24.59	24.59	24.60	24.60	24.58	24.60	24.55	
24	24.61	24.61	24.60	24.61	24.61	24.60	24.60	24.60	24.61	24.61	24.60	24.59	24.57	24.56	24.55	24.54	24.54	24.53	24.53	24.53	24.53	24.53	24.52	24.53	24.57	24.61	24.52	
25	24.54	24.54	24.54	24.54	24.55	24.56	24.57	24.58	24.60	24.62	24.62	24.62	24.62	24.62	24.62	24.62	24.63	24.64	24.64	24.65	24.65	24.65	24.66	24.65	24.61	24.66	24.54	
26	24.65	24.65	24.65	24.64	24.64	24.64	24.64	24.64	24.64	24.65	24.65	24.65	24.64	24.61	24.59	24.57	24.56	24.54	24.53	24.52	24.50	24.48	24.47	24.46	24.44	24.58	24.65	24.44
27	24.42	24.40	24.38	24.36	24.35	24.34	24.33	24.32	24.31	24.31	24.31	24.30	24.29	24.28	24.28	24.31	24.34	24.37	24.39	24.41	24.43	24.45	24.45	24.46	24.36	24.46	24.28	
28	24.46	24.46	24.46	24.46	24.46	24.46	24.47	24.47	24.47	24.47	24.47	24.46	24.44	24.42	24.41	24.41	24.42	24.42	24.42	24.42	24.41	24.42	24.41	24.40	24.44	24.47	24.40	
29	24.38	24.37	24.35	24.33	24.33	24.34	24.32	24.32	24.32	24.30	24.29	24.29	24.28	24.28	24.27	24.26	24.26	24.25	24.25	24.26	24.25	24.26	24.25	24.24	24.29	24.38	24.24	
30	24.24	24.23	24.23	24.22	24.23	24.24	24.24	24.25	24.26	24.27	24.27	24.27	24.25	24.24	24.25	24.25	24.26	24.26	24.27	24.27	24.26	24.28	24.27	24.27	24.25	24.28	24.22	
31	24.26	24.26	24.25	24.25	24.26	24.26	24.25	24.27	24.28	24.28	24.27	24.26	24.25	24.24	24.26	24.27	24.27	24.28	24.30	24.32	24.34	24.36	24.38	24.39	24.28	24.39	24.24	
Avg	24.47	24.47	24.46	24.46	24.46	24.46	24.46	24.47	24.48	24.48	24.47	24.46	24.45	24.44	24.44	24.44	24.44	24.44	24.45	24.45	24.46	24.46	24.47	24.46	24.46	24.51	24.40	
Max	24.71	24.71	24.71	24.70	24.69	24.68	24.68	24.68	24.68	24.68	24.66	24.66	24.66	24.66	24.66	24.67	24.67	24.68	24.69	24.70	24.70	24.71	24.71	24.71	24.64	24.71	24.55	
Min	24.24	24.23	24.23	24.22	24.22	24.21	24.21	24.21	24.22	24.22	24.21	24.21	24.19	24.18	24.18	24.18	24.20	24.21	24.22	24.24	24.25	24.26	24.25	24.24	24.22	24.27	24.18	

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

Day	<< Hour >>																								Avg	Max	Min	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
1	24.40	24.42	24.44	24.45	24.45	24.47	24.48	24.49	24.51	24.52	24.51	24.50	24.50	24.48	24.48	24.49	24.48	24.49	24.48	24.47	24.48	24.48	24.47	24.48	24.47	24.48	24.52	24.40
2	24.45	24.44	24.41	24.39	24.37	24.33	24.31	24.28	24.27	24.24	24.21	24.18	24.14	24.11	24.08	24.07	24.06	24.05	24.06	24.08	24.07	24.06	24.07	24.07	24.07	24.20	24.45	24.05
3	24.08	24.08	24.09	24.08	24.09	24.09	24.09	24.09	24.09	24.11	24.11	24.12	24.13	24.13	24.14	24.16	24.18	24.19	24.20	24.21	24.22	24.24	24.25	24.25	24.25	24.14	24.25	24.08
4	24.25	24.26	24.26	24.27	24.28	24.28	24.29	24.31	24.31	24.31	24.31	24.31	24.30	24.29	24.29	24.30	24.30	24.33	24.35	24.36	24.37	24.38	24.38	24.38	24.38	24.31	24.38	24.25
5	24.38	24.38	24.38	24.39	24.39	24.39	24.38	24.38	24.39	24.39	24.39	24.39	24.37	24.36	24.36	24.36	24.36	24.36	24.38	24.38	24.38	24.38	24.38	24.39	24.38	24.38	24.39	24.36
6	24.39	24.39	24.39	24.40	24.40	24.41	24.41	24.43	24.46	24.48	24.49	24.50	24.51	24.52	24.53	24.54	24.55	24.56	24.57	24.59	24.60	24.61	24.61	24.62	24.50	24.62	24.39	
7	24.62	24.61	24.60	24.59	24.58	24.56	24.55	24.53	24.51	24.49	24.47	24.44	24.40	24.36	24.33	24.30	24.27	24.24	24.21	24.18	24.16	24.14	24.11	24.14	24.39	24.62	24.11	
8	24.15	24.16	24.16	24.16	24.17	24.19	24.20	24.22	24.24	24.25	24.27	24.28	24.28	24.28	24.30	24.31	24.32	24.33	24.34	24.35	24.37	24.38	24.40	24.41	24.27	24.41	24.15	
9	24.42	24.43	24.44	24.45	24.46	24.47	24.49	24.50	24.50	24.52	24.53	24.52	24.51	24.50	24.49	24.49	24.49	24.48	24.48	24.48	24.48	24.48	24.48	24.48	24.48	24.48	24.53	24.42
10	24.48	24.47	24.47	24.47	24.46	24.47	24.46	24.46	24.47	24.47	24.48	24.48	24.47	24.47	24.47	24.47	24.47	24.47	24.48	24.49	24.49	24.51	24.51	24.52	24.48	24.52	24.46	
11	24.53	24.54	24.55	24.56	24.58	24.60	24.61	24.63	24.65	24.66	24.68	24.69	24.69	24.70	24.71	24.71	24.72	24.73	24.73	24.73	24.73	24.73	24.73	24.73	24.66	24.73	24.53	
12	24.74	24.73	24.73	24.72	24.72	24.71	24.71	24.70	24.71	24.70	24.71	24.70	24.67	24.65	24.64	24.64	24.62	24.61	24.62	24.62	24.60	24.61	24.60	24.59	24.67	24.74	24.59	
13	24.58	24.58	24.58	24.58	24.57	24.56	24.55	24.55	24.55	24.53	24.51	24.49	24.49	24.47	24.49	24.49	24.48	24.50	24.50	24.51	24.50	24.50	24.50	24.48	24.53	24.58	24.47	
14	24.47	24.45	24.44	24.43	24.41	24.40	24.39	24.38	24.37	24.37	24.35	24.33	24.30	24.27	24.25	24.23	24.21	24.20	24.18	24.17	24.16	24.15	24.14	24.12	24.30	24.47	24.12	
15	24.11	24.09	24.07	24.05	24.03	24.02	24.02	24.01	24.01	24.00	23.99	23.97	23.95	23.92	23.91	23.89	23.89	23.88	23.86	23.84	23.83	23.81	23.80	23.78	23.95	24.11	23.78	
16	23.77	23.76	23.74	23.73	23.71	23.70	23.69	23.70	23.70	23.70	23.71	23.71	23.70	23.70	23.70	23.73	23.75	23.77	23.81	23.83	23.86	23.89	23.90	23.93	23.76	23.93	23.69	
17	23.95	23.97	23.99	24.01	24.03	24.04	24.05	24.07	24.09	24.11	24.14	24.16	24.17	24.19	24.20	24.22	24.24	24.25	24.26	24.27	24.27	24.27	24.27	24.27	24.15	24.27	23.95	
18	24.27	24.27	24.26	24.27	24.28	24.29	24.30	24.31	24.32	24.32	24.32	24.31	24.30	24.28	24.26	24.25	24.24	24.22	24.22	24.20	24.20	24.18	24.17	24.15	24.26	24.32	24.15	
19	24.15	24.13	24.11	24.10	24.09	24.08	24.08	24.08	24.08	24.07	24.07	24.07	24.05	24.04	24.03	24.03	24.04	24.04	24.04	24.05	24.06	24.07	24.07	24.08	24.07	24.15	24.03	
20	24.08	24.09	24.09	24.08	24.07	24.07	24.07	24.12	24.17	24.23	24.27	24.29	24.32	24.34	24.38	24.41	24.44	24.45	24.47	24.49	24.51	24.52	24.52	24.53	24.29	24.53	24.07	
21	24.53	24.53	24.54	24.56	24.57	24.59	24.60	24.63	24.67	24.68	24.68	24.68	24.68	24.68	24.68	24.69	24.70	24.71	24.72	24.72	24.71	24.71	24.72	24.65	24.72	24.53		
22	24.72	24.72	24.72	24.73	24.74	24.75	24.76	24.78	24.80	24.80	24.80	24.80	24.79	24.79	24.78	24.78	24.78	24.80	24.81	24.81	24.82	24.82	24.82	24.82	24.78	24.82	24.72	
23	24.81	24.80	24.81	24.80	24.79	24.79	24.78	24.77	24.76	24.74	24.74	24.72	24.70	24.68	24.65	24.63	24.61	24.59	24.59	24.58	24.58	24.56	24.56	24.55	24.69	24.81	24.55	
24	24.53	24.51	24.51	24.50	24.49	24.48	24.47	24.48	24.48	24.47	24.46	24.47	24.46	24.45	24.45	24.45	24.45	24.45	24.47	24.48	24.50	24.51	24.53	24.54	24.48	24.54	24.45	
25	24.55	24.55	24.56	24.56	24.56	24.57	24.58	24.60	24.61	24.62	24.64	24.64	24.63	24.62	24.62	24.63	24.63	24.63	24.64	24.65	24.65	24.66	24.66	24.67	24.61	24.67	24.55	
26	24.67	24.67	24.67	24.67	24.66	24.66	24.65	24.65	24.64	24.64	24.64	24.62	24.60	24.58	24.56	24.54	24.53	24.51	24.50	24.49	24.47	24.47	24.47	24.46	24.58	24.67	24.46	
27	24.45	24.44	24.44	24.44	24.43	24.44	24.44	24.44	24.44	24.45	24.47	24.46	24.46	24.45	24.44	24.43	24.43	24.44	24.44	24.46	24.46	24.46	24.47	24.47	24.45	24.47	24.43	
28	24.47	24.47	24.47	24.47	24.46	24.45	24.45	24.45	24.45	24.44	24.45	24.44	24.42	24.41	24.40	24.40	24.40	24.40	24.40	24.41	24.42	24.42	24.43	24.44	24.43	24.47	24.40	
29	24.44	24.44	24.45	24.45	24.45	24.45	24.46	24.46	24.46	24.47	24.48	24.46	24.45	24.44	24.43	24.44	24.43	24.44	24.44	24.44	24.45	24.47	24.47	24.47	24.45	24.48	24.43	
30	24.46	24.47	24.47	24.47	24.46	24.47	24.48	24.48	24.48	24.49	24.49	24.48	24.47	24.46	24.45	24.45	24.45	24.46	24.45	24.45	24.44	24.43	24.44	24.43	24.46	24.49	24.43	
Avg	24.40	24.40	24.39	24.39	24.39	24.39	24.39	24.40	24.41	24.41	24.41	24.41	24.40	24.39	24.38	24.38	24.38	24.39	24.39	24.39	24.39	24.40	24.40	24.40	24.40	24.49	24.30	
Max	24.81	24.80	24.81	24.80	24.79	24.79	24.78	24.78	24.80	24.80	24.80	24.80	24.79	24.79	24.78	24.78	24.78	24.80	24.81	24.81	24.82	24.82	24.82	24.82	24.78	24.82	24.72	
Min	23.77	23.76	23.74	23.73	23.71	23.70	23.69	23.70	23.70	23.70	23.71	23.71	23.70	23.70	23.70	23.73	23.75	23.77	23.81	23.83	23.83	23.81	23.80	23.78	23.76	23.93	23.69	

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	24.43	24.42	24.42	24.40	24.39	24.37	24.35	24.32	24.29	24.28	24.25	24.20	24.16	24.14	24.11	24.11	24.11	24.12	24.12	24.12	24.11	24.10	24.09	24.08	24.23	24.43	24.08
2	24.05	24.03	24.01	23.99	23.98	23.97	23.96	23.95	23.96	23.96	23.96	23.95	23.93	23.93	23.96	23.99	24.03	24.06	24.08	24.11	24.12	24.14	24.15	24.17	24.02	24.17	23.93
3	24.18	24.20	24.21	24.21	24.22	24.22	24.23	24.26	24.27	24.29	24.30	24.30	24.29	24.28	24.29	24.29	24.31	24.32	24.33	24.33	24.34	24.34	24.34	24.34	24.28	24.34	24.18
4	24.33	24.33	24.33	24.32	24.32	24.32	24.33	24.34	24.35	24.36	24.37	24.36	24.35	24.34	24.34	24.34	24.35	24.35	24.34	24.34	24.33	24.33	24.33	24.32	24.34	24.37	24.32
5	24.31	24.30	24.30	24.29	24.28	24.28	24.28	24.28	24.30	24.34	24.35	24.34	24.32	24.31	24.32	24.32	24.33	24.34	24.34	24.35	24.36	24.36	24.37	24.38	24.32	24.38	24.28
6	24.37	24.37	24.38	24.37	24.37	24.38	24.38	24.39	24.40	24.43	24.46	24.45	24.44	24.42	24.41	24.40	24.39	24.39	24.39	24.39	24.39	24.38	24.37	24.40	24.46	24.37	
7	24.36	24.34	24.33	24.31	24.29	24.27	24.26	24.24	24.25	24.30	24.30	24.28	24.25	24.22	24.21	24.19	24.18	24.18	24.18	24.18	24.17	24.16	24.16	24.24	24.36	24.16	
8	24.15	24.15	24.15	24.16	24.16	24.16	24.18	24.20	24.22	24.25	24.27	24.27	24.28	24.28	24.28	24.30	24.31	24.32	24.33	24.34	24.35	24.34	24.32	24.31	24.25	24.35	24.15
9	24.30	24.28	24.29	24.29	24.29	24.30	24.31	24.31	24.31	24.33	24.35	24.35	24.34	24.34	24.34	24.35	24.34	24.35	24.35	24.35	24.34	24.34	24.32	24.31	24.32	24.35	24.28
10	24.29	24.27	24.27	24.26	24.25	24.25	24.26	24.27	24.30	24.33	24.35	24.36	24.36	24.38	24.39	24.41	24.44	24.45	24.47	24.47	24.48	24.49	24.48	24.49	24.37	24.49	24.25
11	24.48	24.48	24.48	24.48	24.47	24.49	24.49	24.49	24.50	24.50	24.50	24.50	24.49	24.49	24.49	24.49	24.51	24.52	24.53	24.52	24.53	24.53	24.54	24.53	24.50	24.54	24.47
12	24.53	24.51	24.50	24.49	24.47	24.45	24.45	24.45	24.46	24.46	24.46	24.45	24.43	24.40	24.37	24.36	24.33	24.33	24.32	24.33	24.32	24.32	24.32	24.32	24.41	24.53	24.32
13	24.31	24.29	24.29	24.30	24.30	24.30	24.30	24.31	24.32	24.33	24.35	24.36	24.35	24.36	24.37	24.39	24.41	24.42	24.43	24.45	24.47	24.48	24.49	24.50	24.37	24.50	24.29
14	24.50	24.50	24.50	24.51	24.50	24.50	24.49	24.50	24.50	24.51	24.52	24.51	24.50	24.50	24.50	24.50	24.48	24.46	24.46	24.46	24.46	24.43	24.42	24.49	24.49	24.52	24.42
15	24.43	24.43	24.43	24.44	24.45	24.45	24.46	24.46	24.45	24.45	24.44	24.43	24.42	24.41	24.40	24.40	24.40	24.41	24.41	24.41	24.43	24.43	24.43	24.43	24.43	24.46	24.40
16	24.43	24.44	24.44	24.44	24.42	24.43	24.43	24.45	24.45	24.48	24.49	24.50	24.49	24.49	24.49	24.50	24.51	24.52	24.53	24.54	24.55	24.56	24.56	24.56	24.49	24.56	24.42
17	24.56	24.56	24.56	24.56	24.55	24.53	24.52	24.51	24.50	24.47	24.45	Au	Au	Au	24.33	24.34	24.33	24.32	24.30	24.29	24.28	24.27	24.26	24.25	24.42	24.56	24.25
18	24.22	24.21	24.20	24.20	24.18	24.17	24.17	24.16	24.18	24.19	24.19	24.18	24.16	24.14	24.12	24.12	24.12	24.11	24.11	24.11	24.12	24.13	24.14	24.16	24.16	24.22	24.11
19	24.17	24.18	24.20	24.21	24.23	24.24	24.25	24.28	24.31	24.34	24.35	24.34	24.30	24.28	24.26	24.28	24.28	24.28	24.26	24.25	24.24	24.22	24.21	24.21	24.26	24.35	24.17
20	24.20	24.18	24.17	24.15	24.13	24.12	24.10	24.10	24.09	24.10	24.10	24.08	24.04	24.01	23.99	23.98	23.97	23.95	23.94	23.92	23.90	23.90	23.90	23.90	24.04	24.20	23.90
21	23.90	23.90	23.91	23.93	23.95	23.96	24.00	24.03	24.06	24.09	24.11	24.12	24.12	24.14	24.15	24.18	24.19	24.20	24.21	24.23	24.24	24.23	24.24	24.24	24.10	24.24	23.90
22	24.24	24.23	24.24	24.24	24.24	24.25	24.27	24.29	24.31	24.34	24.36	24.37	24.36	24.36	24.38	24.40	24.42	24.44	24.45	24.46	24.46	24.46	24.46	24.46	24.35	24.46	24.23
23	24.45	24.45	24.45	24.44	24.44	24.43	24.42	24.42	24.40	24.39	24.39	24.38	24.38	24.37	24.36	24.35	24.33	24.30	24.28	24.25	24.22	24.22	24.24	24.24	24.36	24.45	24.22
24	24.28	24.31	24.34	24.38	24.40	24.43	24.46	24.48	24.49	24.50	24.51	24.51	24.50	24.49	24.49	24.51	24.53	24.55	24.57	24.59	24.60	24.61	24.62	24.63	24.49	24.63	24.28
25	24.64	24.63	24.63	24.64	24.63	24.63	24.62	24.62	24.63	24.66	24.65	24.63	24.59	24.56	24.54	24.53	24.52	24.51	24.53	24.52	24.51	24.51	24.51	24.53	24.58	24.66	24.51
26	24.54	24.55	24.56	24.56	24.55	24.54	24.54	24.53	24.52	24.54	24.54	24.54	24.52	24.51	24.50	24.50	24.48	24.48	24.49	24.49	24.49	24.48	24.49	24.50	24.52	24.56	24.48
27	24.49	24.48	24.49	24.50	24.50	24.51	24.52	24.54	24.54	24.53	24.52	24.50	24.47	24.45	24.42	24.40	24.38	24.36	24.33	24.32	24.30	24.28	24.28	24.27	24.43	24.54	24.27
28	24.26	24.28	24.30	24.31	24.35	24.43	24.48	24.50	24.52	24.54	24.55	24.54	24.54	24.52	24.52	24.54	24.54	24.56	24.56	24.56	24.56	24.56	24.56	24.56	24.48	24.56	24.26
29	24.55	24.54	24.54	24.53	24.51	24.50	24.48	24.45	24.44	24.42	24.42	24.38	24.34	24.31	24.30	24.29	24.30	24.30	24.31	24.32	24.33	24.34	24.35	24.37	24.40	24.55	24.29
30	24.38	24.38	24.40	24.41	24.42	24.43	24.44	24.44	24.45	24.45	24.44	24.43	24.41	24.40	24.39	24.39	24.38	24.36	24.34	24.32	24.31	24.30	24.29	24.29	24.39	24.45	24.29
31	24.28	24.27	24.28	24.28	24.28	24.28	24.28	24.27	24.28	24.28	24.28	24.27	24.26	24.26	24.26	24.28	24.29	24.31	24.32	24.33	24.34	24.34	24.35	24.37	24.29	24.37	24.26
Avg	24.34	24.34	24.34	24.34	24.34	24.34	24.35	24.35	24.36	24.37	24.37	24.36	24.35	24.34	24.33	24.34	24.34	24.34	24.34	24.34	24.34	24.34	24.34	24.34	24.35	24.44	24.25
Max	24.64	24.63	24.63	24.64	24.63	24.63	24.62	24.62	24.63	24.66	24.65	24.63	24.59	24.56	24.54	24.54	24.54	24.56	24.57	24.59	24.60	24.61	24.62	24.63	24.58	24.66	24.51
Min	23.90	23.90	23.91	23.93	23.95	23.96	23.96	23.95	23.96	23.96	23.96	23.95	23.93	23.93	23.96	23.98	23.97	23.95	23.94	23.92	23.90	23.90	23.90	23.90	24.02	24.17	23.90

A-24

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

Day	<< Hour >>																								Avg	Max	Min	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
1	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw				
2	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			
3	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			
4	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			
5	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			
6	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			
7	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			
8	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	Pw	44.5	39.9	40.3	38.3	40.5	39.8	42.6	48.2	61.1	71.3	76.4	81.8	84.6	85.4	56.8	85.4	38.3		
9	85.7	85.6	86.4	86.8	85.7	86.6	85.8	83.4	72.2	56.8	46.7	45.9	46.2	46.1	46.4	48.2	53.5	62.3	69.6	73.6	79.6	81.6	80.7	85.3	70.0	86.8	45.9	
10	89.2	90.5	90.4	91.4	90.9	90.8	90.6	86.6	76.6	61.9	53.7	45.6	44.3	42.2	38.5	37.4	41.7	42.4	43.1	51.1	61.9	68.7	85.8	89.9	66.9	91.4	37.4	
11	90.5	91.6	91.8	91.8	91.5	91.1	83.8	90.2	87.8	82.8	75.5	69.7	64.5	58.4	53.6	49.2	48.4	58.5	71.5	77.7	82.6	85.4	86.9	86.8	77.6	91.8	48.4	
12	86.9	86.6	86.4	86.2	85.8	86.4	85.7	85.5	85.0	77.8	61.4	50.6	45.3	44.9	46.4	48.1	53.2	60.1	68.8	73.6	74.2	77.2	83.9	87.8	72.0	87.8	44.9	
13	89.0	89.8	89.4	89.9	89.2	91.1	90.7	89.5	82.1	70.8	57.0	51.6	51.9	63.8	74.2	82.7	73.3	72.3	73.0	75.3	82.3	87.5	91.4	92.3	79.2	92.3	51.6	
14	94.0	94.1	91.8	87.1	91.2	90.1	88.1	87.5	88.0	81.0	76.9	76.8	73.6	69.3	71.9	66.8	64.8	62.9	72.6	80.0	81.3	86.1	87.2	88.3	81.3	94.1	62.9	
15	87.5	88.2	87.5	87.2	86.2	86.4	85.7	85.9	82.0	73.6	62.8	57.5	53.9	48.4	47.5	43.4	45.7	56.5	74.3	78.0	85.1	86.8	88.0	87.6	73.6	88.2	43.4	
16	87.7	87.3	87.2	87.2	86.5	86.1	86.1	86.3	85.0	81.5	52.7	56.1	89.5	91.0	90.2	88.1	87.1	88.2	86.0	88.1	90.6	90.4	90.3	90.4	85.0	91.0	52.7	
17	90.5	91.1	92.1	91.5	91.5	91.3	91.3	91.4	91.3	91.0	89.0	87.5	82.8	79.9	79.7	87.7	90.3	88.8	90.6	88.6	80.9	82.8	84.0	80.1	87.7	92.1	79.7	
18	80.0	80.0	87.2	90.0	88.7	87.1	86.0	85.1	86.1	83.5	74.3	66.0	64.5	59.9	54.2	50.7	51.2	59.7	78.9	85.5	87.2	89.0	89.8	89.6	77.3	90.0	50.7	
19	89.3	88.6	88.5	87.8	87.9	87.6	87.6	87.2	86.3	79.7	56.4	51.3	48.0	45.7	42.7	41.2	42.1	49.4	63.7	71.2	69.8	78.5	83.1	83.5	70.7	89.3	41.2	
20	90.1	94.1	92.5	91.7	92.8	92.4	91.0	91.0	81.8	82.0	80.0	73.3	67.2	59.1	55.9	52.3	57.7	66.7	86.5	88.3	89.3	90.7	91.2	91.4	81.2	94.1	52.3	
21	92.1	91.5	91.2	90.9	90.5	89.7	89.3	90.4	91.3	82.5	64.7	58.2	51.5	49.4	47.7	46.6	49.6	60.6	70.6	78.9	83.3	86.4	89.2	90.8	76.1	92.1	46.6	
22	91.0	91.5	90.5	90.9	91.5	90.5	90.6	90.1	82.3	76.1	54.2	46.1	41.3	37.5	35.4	32.8	33.6	44.3	64.1	70.9	76.0	80.7	85.6	86.7	69.8	91.5	32.8	
23	88.0	88.4	89.6	90.7	90.9	89.8	89.8	88.7	79.5	64.9	49.2	41.0	38.6	36.4	36.1	37.0	43.6	57.3	68.3	76.1	82.6	84.0	85.6	88.0	70.2	90.9	36.1	
24	89.4	91.5	91.1	90.6	90.0	91.4	89.5	89.7	82.1	75.1	52.4	21.5	42.6	31.6	37.7	35.2	36.7	56.8	68.9	71.1	75.9	78.8	84.1	87.0	69.2	91.5	21.5	
25	88.3	88.0	88.9	88.3	88.3	87.8	87.7	86.0	77.6	63.4	41.0	35.3	34.2	33.1	35.4	35.8	43.1	52.7	69.5	73.0	75.4	77.1	84.0	87.0	67.5	88.9	33.1	
26	88.0	89.2	89.0	89.8	88.9	89.1	89.5	88.4	89.0	88.0	55.6	33.0	26.3	21.4	17.5	18.0	21.0	32.3	51.8	62.5	67.0	72.7	76.0	77.5	63.4	89.8	17.5	
27	79.1	78.8	80.2	80.1	82.7	82.9	84.3	83.6	75.8	67.8	42.3	30.2	30.8	30.8	34.5	44.4	53.2	67.0	73.6	76.1	78.2	78.2	79.2	76.3	66.3	84.3	30.2	
28	69.8	67.0	67.5	67.8	66.2	67.2	66.1	64.0	68.1	72.6	71.4	73.8	70.3	63.9	60.3	63.5	66.6	68.9	71.9	75.9	78.1	83.1	85.0	85.9	70.6	85.9	60.3	
29	85.7	84.6	84.9	85.4	84.3	83.5	83.4	85.0	85.5	82.0	79.9	76.3	77.0	75.0	69.0	66.5	66.3	76.4	80.5	82.9	84.6	84.2	85.9	85.0	80.6	85.9	66.3	
30	85.1	86.0	85.4	85.5	84.7	83.8	83.9	83.7	80.0	74.5	65.4	60.2	57.7	54.1	52.9	53.1	57.1	66.5	69.9	75.3	78.4	82.7	81.2	81.8	73.7	86.0	52.9	
31	81.9	75.5	71.2	69.3	67.8	69.7	77.9	78.3	91.1	86.6	70.4	64.7	67.0	66.6	61.6	60.6	70.4	67.1	69.7	71.4	72.2	73.8	73.1	73.6	72.1	91.1	60.6	
Avg	86.9	86.9	87.0	86.9	86.7	86.6	86.3	86.0	82.9	76.3	61.6	54.7	54.6	51.9	51.2	51.2	53.9	61.1	70.8	75.7	78.9	82.0	84.8	85.8	73.6	89.7	46.1	
Max	94.0	94.1	92.5	91.8	92.8	92.4	91.3	91.4	91.3	91.0	89.0	87.5	89.5	91.0	90.2	88.1	90.3	88.8	90.6	88.6	90.6	90.7	91.4	92.3	87.7	94.1	79.7	
Min	69.8	67.0	67.5	67.8	66.2	67.2	66.1	64.0	68.1	56.8	41.0	21.5	26.3	21.4	17.5	18.0	21.0	32.3	43.1	51.1	61.9	68.7	73.1	73.6	56.8	84.3	17.5	

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	75.8	78.3	79.2	78.2	84.0	86.1	87.1	87.3	81.8	71.6	66.4	57.8	53.4	48.0	47.2	46.6	49.6	59.6	67.2	73.2	81.2	82.1	83.9	85.1	71.3	87.3	46.6
2	85.3	85.3	86.2	86.3	86.6	86.4	86.2	85.1	76.4	67.1	53.1	49.2	37.8	39.1	36.8	40.6	46.3	61.4	78.0	93.1	96.3	95.5	86.0	79.6	71.8	96.3	36.8
3	77.5	70.5	68.5	68.9	68.0	64.0	65.3	63.7	64.2	66.3	70.5	67.8	67.1	74.7	74.0	73.1	84.1	84.9	85.8	87.6	89.3	89.9	89.0	89.9	75.2	89.9	63.7
4	90.0	90.0	88.7	90.8	90.5	90.9	88.2	86.6	84.7	77.1	72.4	74.6	69.9	70.3	77.0	67.0	67.6	80.5	83.6	85.4	87.9	87.4	87.1	87.9	82.3	90.9	67.0
5	87.4	87.9	88.0	86.2	86.1	83.2	75.4	74.0	69.4	61.4	55.4	51.6	48.8	47.7	45.4	46.5	50.2	64.5	87.9	93.6	94.0	94.2	94.4	94.3	73.6	94.4	45.4
6	94.4	94.4	94.5	94.2	92.8	84.7	84.2	85.2	81.1	73.8	63.7	61.1	58.6	56.1	53.7	54.4	58.6	61.4	68.8	75.1	84.3	87.6	88.0	88.8	76.6	94.5	53.7
7	88.0	87.3	87.1	88.1	89.3	90.2	90.2	90.8	90.2	81.7	69.9	67.9	68.3	67.4	64.0	63.7	65.6	70.4	78.5	84.0	85.0	86.8	90.0	89.8	80.6	90.8	63.7
8	78.9	73.4	73.4	73.4	72.1	70.5	70.8	71.8	71.3	71.2	70.4	69.3	68.6	69.3	76.0	82.4	85.8	85.0	79.0	74.7	75.3	68.3	64.8	67.6	73.5	85.8	64.8
9	69.3	68.2	66.2	68.7	70.9	79.9	85.4	87.3	80.8	70.6	55.1	50.2	45.1	38.7	39.6	42.7	50.8	69.3	73.3	76.9	78.2	78.3	79.4	82.4	67.0	87.3	38.7
10	83.3	85.5	85.7	86.2	87.5	87.8	88.5	87.8	86.8	84.3	80.0	78.1	74.4	64.7	64.5	67.5	71.5	77.8	82.7	85.7	87.9	89.1	89.6	85.9	81.8	89.6	64.5
11	88.6	93.6	94.4	92.5	92.0	91.9	93.2	92.6	91.3	87.2	81.6	79.5	73.5	75.7	72.6	70.4	79.6	88.8	92.6	94.8	94.8	97.0	97.7	97.6	88.1	97.7	70.4
12	96.8	95.9	95.1	95.0	95.1	95.0	95.3	94.4	88.4	79.2	65.6	37.2	33.4	29.0	29.5	35.4	50.7	66.7	72.8	79.6	83.0	81.5	82.0	85.5	73.4	96.8	29.0
13	87.7	82.2	74.3	63.9	66.7	70.2	68.9	68.0	67.8	59.2	58.2	56.9	53.1	50.3	47.5	46.1	50.1	55.2	59.0	62.0	66.7	68.9	69.5	72.7	63.5	87.7	46.1
14	71.9	69.1	70.3	68.5	68.9	67.1	67.5	67.7	66.3	63.8	62.3	61.8	60.7	59.9	59.8	58.8	59.7	67.7	73.6	77.1	81.5	82.5	84.5	83.6	68.9	84.5	58.8
15	85.4	84.4	77.5	72.9	67.5	65.2	63.7	62.1	60.9	60.7	60.4	59.2	54.8	53.4	51.7	54.4	66.9	79.8	74.8	65.9	65.4	65.8	61.0	62.4	65.7	85.4	51.7
16	70.5	81.2	85.7	88.5	90.4	89.9	90.2	92.1	91.4	90.1	85.5	80.8	79.3	70.9	88.9	82.5	78.3	79.5	86.7	86.8	86.2	85.9	89.2	88.2	84.9	92.1	70.5
17	81.3	80.6	72.3	72.3	76.2	71.3	69.9	71.8	71.2	71.9	77.0	65.9	62.4	59.3	59.5	62.1	68.8	72.8	68.6	73.9	79.6	83.2	86.0	84.6	72.6	86.0	59.3
18	79.4	75.8	76.0	78.7	81.9	86.7	87.9	87.7	84.5	71.9	59.1	40.8	37.5	35.3	33.7	33.1	47.2	55.6	70.5	78.5	79.3	80.9	79.8	74.8	67.4	87.9	33.1
19	43.0	61.4	57.2	42.1	43.0	44.7	46.2	49.3	50.4	49.1	49.8	50.3	48.9	47.8	50.2	49.7	49.7	54.7	53.5	54.0	69.7	75.8	73.8	75.9	53.8	75.9	42.1
20	77.0	80.1	88.5	90.5	86.5	89.7	83.8	88.1	84.1	83.6	81.2	79.6	79.5	78.1	78.2	76.7	78.8	80.6	80.8	79.8	79.7	79.3	78.5	78.5	81.7	90.5	76.7
21	77.5	77.7	77.8	77.8	78.3	77.0	76.8	77.8	74.4	68.0	60.5	56.7	49.1	40.7	38.8	39.6	54.1	75.4	77.0	80.4	80.9	81.2	79.9	80.7	69.1	81.2	38.8
22	79.9	79.8	80.4	80.1	79.5	79.4	80.0	79.3	74.2	66.5	54.6	37.7	36.3	35.5	35.5	38.2	44.3	70.5	72.5	74.5	73.3	74.3	75.9	78.5	65.9	80.4	35.5
23	78.8	80.3	82.3	83.1	83.4	83.6	83.5	83.2	77.5	65.6	60.0	38.7	30.4	29.9	31.0	34.2	52.5	64.4	72.6	78.8	80.7	82.8	84.4	84.9	67.8	84.9	29.9
24	85.6	85.9	84.0	84.3	84.2	83.9	82.8	83.1	79.5	76.1	74.7	61.9	33.7	33.8	34.0	36.0	45.4	63.0	67.5	72.0	76.5	80.0	80.0	83.6	69.6	85.9	33.7
25	83.9	85.2	86.2	87.2	88.9	88.0	86.7	87.8	82.7	72.4	64.3	46.2	46.1	45.7	45.4	46.0	54.5	68.8	76.3	82.8	84.6	86.7	86.9	86.5	73.7	88.9	45.4
26	88.8	90.1	89.1	89.9	89.4	89.3	89.4	89.0	86.4	75.4	65.5	48.8	40.3	39.3	41.8	43.0	52.4	69.9	75.3	75.9	82.2	83.7	85.9	85.4	73.6	90.1	39.3
27	85.4	86.6	88.0	88.6	88.3	89.1	89.1	88.9	86.6	84.0	74.0	61.6	41.3	38.5	41.2	45.3	62.2	69.3	75.0	82.6	86.7	87.7	89.5	88.1	75.7	89.5	38.5
28	89.9	89.1	89.6	88.6	88.7	88.3	88.0	87.7	84.8	79.1	68.8	58.4	41.4	36.6	36.3	39.6	46.1	63.3	70.1	74.7	81.0	84.3	83.0	85.2	72.6	89.9	36.3
29	85.2	85.4	86.2	85.8	86.2	86.2	86.9	87.3	81.8	78.2	67.4	43.7	36.6	36.6	37.4	39.7	44.5	49.2	48.4	61.6	65.6	69.2	82.0	86.1	67.4	87.3	36.6
30	79.2	66.8	68.7	70.5	73.3	74.4	72.5	74.6	73.3	68.1	67.9	64.6	60.9	63.7	82.7	90.9	89.7	86.4	77.2	73.7	74.3	74.3	75.5	75.8	74.1	90.9	60.9
Avg	81.5	81.7	81.4	80.7	81.2	81.2	80.8	81.1	78.1	72.5	66.5	58.6	53.0	51.2	52.5	53.5	60.2	69.9	74.3	78.0	81.0	82.1	82.6	83.0	72.8	88.7	49.3
Max	96.8	95.9	95.1	95.0	95.1	95.0	95.3	94.4	91.4	90.1	85.5	80.8	79.5	78.1	88.9	90.9	89.7	88.8	92.6	94.8	96.3	97.0	97.7	97.6	88.1	97.7	76.7
Min	43.0	61.4	57.2	42.1	43.0	44.7	46.2	49.3	50.4	49.1	49.8	37.2	30.4	29.0	29.5	33.1	44.3	49.2	48.4	54.0	65.4	65.8	61.0	62.4	53.8	75.9	29.0

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

Day	<< Hour >>																								Avg	Max	Min
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
1	73.6	71.9	71.2	69.9	70.4	78.7	72.9	74.7	73.6	69.6	69.7	86.1	90.8	91.7	89.9	88.5	87.3	82.6	84.2	87.9	84.7	80.6	80.6	85.9	79.9	91.7	69.6
2	91.6	94.9	95.6	94.7	95.2	98.7	98.2	98.2	99.2	99.2	96.3	91.7	92.6	90.3	88.8	88.6	86.0	85.8	84.1	82.5	82.3	78.8	78.0	76.4	90.3	99.2	76.4
3	73.0	73.8	73.5	72.3	72.7	72.9	72.3	70.5	68.0	71.9	73.6	72.3	68.8	62.8	61.5	61.5	62.7	64.5	66.1	67.3	65.1	70.0	71.7	70.5	69.1	73.8	61.5
4	73.6	74.0	74.7	71.3	66.8	67.3	67.6	67.4	63.5	63.2	62.1	65.9	66.0	69.3	65.7	67.9	66.7	69.1	74.1	75.1	72.4	71.0	71.5	70.4	69.0	75.1	62.1
5	70.5	70.3	69.7	69.3	68.7	69.0	68.3	68.0	67.9	68.0	65.3	59.6	56.9	61.7	67.3	69.3	74.4	77.1	77.5	76.6	76.2	75.3	75.6	72.7	69.8	77.5	56.9
6	70.9	69.1	68.7	68.1	67.0	67.1	66.5	67.0	66.2	65.2	62.4	56.3	63.0	65.8	67.0	69.2	71.6	72.2	70.7	69.3	70.5	68.9	69.6	68.8	67.5	72.2	56.3
7	68.2	66.5	67.8	67.4	66.4	67.1	66.8	66.7	66.2	59.5	55.3	50.5	53.7	54.8	64.3	68.3	71.4	73.1	72.5	72.5	71.4	70.5	71.0	70.9	66.0	73.1	50.5
8	70.3	69.8	69.5	70.8	70.5	71.7	72.3	73.7	74.9	74.0	73.5	72.7	74.1	73.6	74.0	75.7	78.6	79.5	78.9	77.4	75.6	76.2	75.9	74.6	74.1	79.5	69.5
9	74.0	74.4	74.4	74.7	76.2	72.7	73.5	76.9	77.7	76.3	77.3	77.5	77.8	76.2	74.7	75.5	75.8	75.7	74.5	76.4	77.4	79.8	79.6	76.5	76.1	79.8	72.7
10	77.4	78.8	84.9	85.4	83.0	80.7	82.7	81.8	83.8	84.3	83.2	82.7	81.4	76.2	74.4	79.7	80.8	85.4	84.1	85.2	84.3	83.9	84.5	83.2	82.2	85.4	74.4
11	82.2	81.5	81.0	80.6	82.9	83.4	83.1	84.0	82.9	82.6	86.3	75.8	67.9	65.6	67.5	69.8	79.7	87.0	87.2	85.7	86.0	86.3	87.1	88.2	81.0	88.2	65.6
12	89.2	89.6	89.5	83.8	78.8	73.1	85.7	87.7	88.3	87.5	83.6	74.1	68.2	64.9	70.6	74.8	80.3	83.2	86.1	88.3	89.9	90.6	83.6	81.7	82.2	90.6	64.9
13	83.8	77.5	78.3	74.1	74.8	81.6	79.8	82.1	84.2	82.7	78.9	75.6	75.3	74.6	72.8	68.7	70.1	75.7	76.9	78.1	83.9	85.1	82.9	81.7	78.3	85.1	68.7
14	81.6	78.6	78.2	78.3	77.5	77.0	77.7	78.3	76.3	73.2	69.2	73.2	68.9	69.8	75.3	78.3	75.7	74.8	73.7	73.1	71.2	70.1	69.0	62.5	74.2	81.6	62.5
15	53.8	51.7	50.2	48.6	48.3	47.2	50.1	52.7	55.9	52.1	53.6	54.7	52.7	51.6	51.0	50.4	53.6	55.1	56.4	60.0	62.3	62.2	64.6	64.9	54.3	64.9	47.2
16	62.5	62.7	63.9	63.0	61.6	63.4	61.2	62.0	63.2	61.2	60.6	58.7	56.8	54.9	54.7	54.3	55.6	56.1	58.1	58.1	58.2	59.4	63.8	70.0	60.2	70.0	54.3
17	73.9	76.8	76.0	81.0	82.5	82.9	83.7	84.5	82.9	79.1	71.8	Au	Au	Au	35.6	37.7	44.0	50.1	48.5	53.5	50.4	46.2	46.5	54.3	63.9	84.5	35.6
18	64.5	69.1	72.6	72.0	50.4	40.7	40.1	40.1	43.4	46.3	44.9	48.3	47.5	50.1	52.4	55.6	57.9	70.3	76.2	80.8	87.2	92.5	87.6	84.2	61.4	92.5	40.1
19	82.8	82.1	81.0	78.9	79.0	77.8	78.1	78.2	77.8	75.0	72.0	69.0	66.3	63.7	62.2	67.1	77.3	80.8	79.7	78.8	77.4	76.3	75.8	76.3	75.6	82.8	62.2
20	76.2	76.6	76.7	76.8	76.9	76.2	76.5	76.5	76.1	77.0	79.6	79.1	68.0	63.6	63.3	70.6	85.0	89.3	89.5	90.0	90.2	90.2	90.6	90.7	79.4	90.7	63.3
21	91.1	90.8	90.6	91.0	88.9	87.6	87.6	87.8	87.6	86.9	85.7	83.6	80.6	82.0	79.9	81.7	83.3	87.8	87.2	87.7	87.0	88.6	87.8	88.1	86.7	91.1	79.9
22	89.0	89.3	89.3	89.2	89.7	90.2	90.5	89.7	87.8	84.5	81.9	80.3	74.5	75.4	81.9	84.7	84.0	88.3	86.2	83.6	82.9	82.9	80.7	80.3	84.9	90.5	74.5
23	78.6	78.1	80.1	82.7	84.7	86.7	87.9	89.9	93.7	95.3	93.5	94.7	94.7	94.4	84.0	86.0	88.5	87.6	87.7	81.1	83.2	95.8	96.8	88.2	88.1	96.8	78.1
24	80.9	86.5	92.0	92.7	93.5	92.3	91.3	89.1	83.4	78.4	70.3	67.5	67.4	68.8	68.2	68.0	68.6	72.6	77.8	87.6	88.9	88.2	84.3	83.8	80.9	93.5	67.4
25	82.2	80.5	80.2	79.8	78.7	78.6	78.9	78.0	78.6	79.6	81.7	76.1	75.3	74.1	71.6	73.8	77.2	64.1	76.7	73.6	72.1	63.8	54.5	75.5	75.2	82.2	54.5
26	81.1	83.9	84.9	85.1	85.5	84.5	84.7	85.3	85.3	81.7	73.9	69.8	60.1	57.5	54.4	58.5	56.8	55.6	55.6	57.5	57.7	57.7	57.4	61.6	69.8	85.5	54.4
27	67.7	79.3	82.4	84.5	83.8	86.0	87.2	91.8	92.5	88.9	81.8	76.3	64.3	46.3	37.8	47.8	61.8	79.3	79.8	82.1	81.8	80.7	80.6	81.6	76.1	92.5	37.8
28	65.1	47.3	58.0	63.3	80.1	75.0	73.1	79.2	80.5	74.7	72.0	68.0	68.5	67.3	63.6	68.9	73.6	77.9	78.3	82.0	83.9	83.8	83.6	83.8	73.0	83.9	47.3
29	84.8	85.7	86.3	87.7	87.7	85.2	84.8	87.2	85.2	79.5	63.9	61.6	69.8	62.5	66.5	68.6	69.3	70.1	72.2	73.1	74.3	77.8	79.4	78.1	76.7	87.7	61.6
30	80.7	80.9	80.3	82.5	84.6	86.0	84.9	87.3	89.1	87.6	78.4	64.8	65.5	63.3	62.3	63.0	64.2	68.1	75.2	78.2	75.9	71.1	74.6	79.2	76.2	89.1	62.3
31	81.7	80.2	78.5	78.2	79.6	79.4	74.8	79.1	81.2	83.2	85.9	87.1	83.1	88.4	85.8	91.2	88.2	84.6	84.8	87.1	85.9	83.3	83.1	78.3	73.0	91.2	74.8
Avg	76.7	76.5	77.4	77.3	77.0	76.8	76.9	77.9	78.0	76.4	73.8	71.8	70.0	68.7	67.4	69.8	72.6	74.9	76.1	77.1	77.1	77.0	76.5	76.9	85.0	84.6	61.5
Max	91.6	94.9	95.6	94.7	95.2	98.7	98.2	98.2	99.2	99.2	96.3	94.7	94.7	94.4	89.9	91.2	88.5	89.3	89.5	90.0	90.2	95.8	96.8	90.7	90.3	99.2	79.9
Min	53.8	47.3	50.2	48.6	48.3	40.7	40.1	40.1	43.4	46.3	44.9	48.3	47.5	46.3	35.6	37.7	44.0	50.1	48.5	53.5	50.4	46.2	46.5	54.3	54.3	64.9	35.6

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

Day	<< Hour >>																								Tot	Max
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010
2	0.000	0.000	0.000	0.000	0.040	0.100	0.010	0.060	0.060	0.010	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.310	0.100
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.020	0.020	0.010	0.010	0.010	0.000	0.010	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.020
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	0.010	0.010	0.020	0.010
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Au	Au	Au	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.010	0.010	0.010	0.000	0.030	0.010
19	0.000	0.010	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010
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	0.020	0.030	0.030	0.040	0.010	0.020	0.020	0.020	0.190	0.040	
21	0.010	0.010	0.020	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.020	
22	0.000	0.000	0.000	0.010	0.020	0.040	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.090	0.040	
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.090	0.050	0.010	0.000	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.020	0.000	0.290	0.090	
24	0.000	0.020	0.020	0.030	0.040	0.050	0.010	0.000	0.000	Wx	Wx	Wx	Wx	Wx	Wx	Wx	Wx	Wx	0.000	0.000	0.000	0.000	0.000	0.170	0.050	
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.010	0.010
Tot	0.010	0.040	0.070	0.070	0.120	0.200	0.050	0.080	0.160	0.070	0.030	0.030	0.020	0.020	0.020	0.010	0.020	0.030	0.030	0.040	0.020	0.110	0.060	0.030	1.340	0.000
Max	0.010	0.020	0.020	0.030	0.040	0.100	0.010	0.060	0.090	0.050	0.020	0.010	0.020	0.010	0.010	0.010	0.020	0.030	0.030	0.040	0.010	0.080	0.020	0.020	0.310	0.100

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APPENDIX B: PERFORMANCE AUDIT REPORTS
FOURTH QUARTER 2013



Bison Engineering

Preliminary Meteorological Parameters Audit Form

Audit Dates: 12/17/2013 Audit Start Time : 12:00 MST Audit End Time : 14:15 MST

Client: Tintina Resources
 Site: Black Butte
 AUDITOR: Jeff Bell STATION OPERATOR: Steve Heck

Temperature

Audit Device: VWR Scientific Digital Thermometer
 Model Number: 61220-601 Serial Number: 9935525
 Last certified: 2/28/2013
 Sensor Make: Climatronics
 Model Number: 100093 Serial Number Upper: 8253 Serial Number Lower: 8255

Temperature bath results

	9m	9m	2m	2m	9m - 2m
Audit Value	DAS Value	DAS Diff.	DAS Value	DAS Diff.	DAS Diff.
oC	oC	oC	oC	oC	oC
-10.00	-9.60	0.40	-9.50	0.50	-0.10
19.50	19.39	-0.11	19.45	-0.05	-0.06
26.10	25.96	-0.14	26.02	-0.08	-0.06
49.70	49.00	-0.70	48.95	-0.75	0.05

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/ WMIII
 Model Number: 102083 Serial Number: K2336C

Setpoint	Clockwise	<u>Linearity Check from DAS (as found)</u>		
		Counter-CW	Diff CW	Diff CCW
0	3.1	3.1	3.1	3.1
30	33.8	33.7	3.8	3.7
60	63.4	57.5	3.4	-2.5
90	92.9	86.8	2.9	-3.2
120	122.8	116.6	2.8	-3.4
150	152.6	146.4	2.6	-3.6
180	182.5	176.7	2.5	-3.3
210	212.8	206.8	2.8	-3.2
240	242.7	236.8	2.7	-3.2
270	272.8	267.2	2.8	-2.8
300	303.5	297.8	3.5	-2.2
330	333.7	328.2	3.7	-1.8
		Max Diff	3.8	3.7

Crossarm Orientation: N-S
 Magnetic Declination: 12
 Measured Degrees: 12
 Sensor response aligned with crossarm (as found): 3.1
 Sensor response aligned with crossarm (as left): 1.0

Setpoint	Clockwise	<u>Linearity Check from DAS (as left)</u>		
		Counter-CW	Diff CW	Diff CCW
0	0.9	0.9	0.9	0.9
90	90.3	90.3	0.3	0.3
180	180.3	180.3	0.3	0.3
270	270.6	270.6	0.6	0.6
		Max Diff	0.9	0.9

Wind Speed

Audit Device: RMYoung
Model Number: 18811
Last certified: NA
Sensor height: 10 Meter
Sensor Make: Climatronics/ WMIII
Model Number: 102083

Serial Number: CA02929

Serial Number: K2336C

Synchronous motor checks

Known Value	Known Value	DAS Value	DAS Diff.
RPM	m/s	m/s	m/s
0	0.22	0.2	0.00
300	6.7	6.6	-0.10
600	13.1	13.1	0.00
950	20.6	20.6	0.00

Torque Audit Device: NA
Model Number: NA
Threshold Torque:

Relative Humidity

Audit Device: Taylor Hygometer
Model Number: 5522
Last certified: NA
Sensor Make: Met One
Model Number: 083E-0-35

Serial Number: 66978

Serial Number: P18245

Audit Dry-Bulb: 32.0 Deg C
Audit Wet-Bulb: 28.0 Deg C
Barr Pressure: 24.57 In Hg
Audit RH: 61.0 %RH
Station RH: 59.0 %RH
Diff: -2.0 %RH

Barometric Pressure

Audit Device: Weathertronics
Model Number: Altimeter
Last certified: 12/17/2013
Sensor Make: Climatronics
Model Number: 102663-G0

Serial Number: 3258

Serial Number: 42017

Audit Value: 24.57 In Hg
Station Value: 24.39 In Hg
Diff: -0.18 In Hg

Signature Site Operator : _____

Signature Auditor : _____