

Appendix 3

Details of Density Measurements

<i>Bulk Density for Altered Carbonate</i>		<i>Bulk Density for Fresh Carbonate</i>		<i>Bulk Density for Phyllite</i>		Summary	
						Bulk Densities	
Mean	2.6179	Mean	2.88764	Mean	2.71257	Lithology	BD
Standard Error	0.06268	Standard Error	0.01332	Standard Error	0.0116	Altered Carbonate	2.62
Median	2.63263	Median	2.88375	Median	2.71944	Carbonate & sulphides	3.29
Mode	#N/A	Mode	#N/A	Mode	#N/A	Fresh Carbonate	2.89
Standard Deviation	0.16583	Standard Deviation	0.03263	Standard Deviation	0.04017	Massive Sulphide	4.29
Sample Variance	0.0275	Sample Variance	0.00106	Sample Variance	0.00161	Phyllite	2.71
Kurtosis	3.06638	Kurtosis	1.53866	Kurtosis	-0.7618	Talc	2.03
Skewness	-0.73599	Skewness	0.98635	Skewness	-0.19329		
Range	0.5662	Range	0.09498	Range	0.13315		
Minimum	2.3048	Minimum	2.84915	Minimum	2.64322		
Maximum	2.87099	Maximum	2.94414	Maximum	2.77638		
Sum	18.3253	Sum	17.3258	Sum	32.5508		
Count	7	Count	6	Count	12		
Confidence Level(95.0%)	0.15336	Confidence Level(95.0%)	0.03425	Confidence Level(95.0%)	0.02552		
<i>Bulk Density for Carbonate & Sulphides</i>		<i>Bulk Density for Massive Sulphide</i>		<i>Bulk Density for Talc</i>			
Mean	3.2919	Mean	4.29174	Mean	2.03517		
Standard Error	0.09054	Standard Error	0.07674	Standard Error	0.12065		
Median	3.23845	Median	4.16902	Median	2.03517		
Mode	#N/A	Mode	#N/A	Mode	#N/A		
Standard Deviation	0.41491	Standard Deviation	0.45403	Standard Deviation	0.17063		
Sample Variance	0.17215	Sample Variance	0.20614	Sample Variance	0.02911		
Kurtosis	-1.37379	Kurtosis	9.81846	Kurtosis	#DIV/0!		
Skewness	0.17089	Skewness	2.90247	Skewness	#DIV/0!		
Range	1.37001	Range	2.34609	Range	0.2413		
Minimum	2.59459	Minimum	3.84244	Minimum	1.91452		
Maximum	3.96461	Maximum	6.18852	Maximum	2.15583		
Sum	69.1298	Sum	150.211	Sum	4.07035		
Count	21	Count	35	Count	2		
Confidence Level(95.0%)	0.18886	Confidence Level(95.0%)	0.15596	Confidence Level(95.0%)	1.53303		

Zeehan Zinc Limited - Bulk Density on selected rocks within the Comstock Mine, Zeehan, Tasmania. Completed by Paul Heath 21-9-05									
Hole ID	Deposit		Depth (m) (from)	Depth (m) (to)	Width (m)	Weight in air (g)	Weight in water (g)	Bulk Density	Lithology
SY021	Allison's Lode	NQ	21.1	21.4	0.3	1375.3	859.9	2.67	ph
SY021	Allison's Lode	NQ	24.15	24.45	0.3	1183.9	736	2.64	ph
SY021	Allison's Lode	NQ	39.9	40.2	0.3	1166.3	738.5	2.73	ph
SY021	Allison's Lode	NQ	46.9	47.5	0.6	1552.3	1183.3	4.21	ms
SY021	Allison's Lode	NQ	56.1	56.7	0.6	3025	1963.2	2.85	cs
SY021	Allison's Lode	NQ	63.75	64.4	0.65	2966	1942.9	2.90	fc
SY021	Allison's Lode	NQ	68.8	69.4	0.6	3018.3	2002.1	2.97	cs
SY021	Allison's Lode	NQ	79.1	79.6	0.5	2595.7	1748.1	3.06	cs
SY021	Allison's Lode	NQ	96.1	96.63	0.53	2674	1741	2.87	fc
SY022	Allison's Lode	HQ	3.9	4	0.1	422.7	239.3	2.30	ac
SY022	Allison's Lode	HQ	9.9	10.25	0.35	2272.8	1410.5	2.64	ac
SY022	Allison's Lode	HQ	10.25	10.6	0.35	2402.8	1490.1	2.63	ac
SY022	Allison's Lode	HQ	29.65	29.82	0.17	1414.7	889.3	2.69	ph
SY022	Allison's Lode	HQ	31.2	31.65	0.45	3459	2188.4	2.72	ph
SY022	Allison's Lode	HQ	37.9	38.25	0.35	2726.7	1733.1	2.74	ph
SY022	Allison's Lode	HQ	45.73	46.2	0.47	3490.1	2181.5	2.67	ph
SY022	Allison's Lode	HQ	52	52.45	0.45	3578.5	2261.2	2.72	ph
SY022	Allison's Lode	HQ	56	56.83	0.83	1744.4	1151.9	2.94	fc
SY022	Allison's Lode	HQ	72.7	72.9	0.2	514.2	373.3	3.65	cs
SY022	Allison's Lode	HQ	92.9	93.8	0.9	2343.3	1699.8	3.64	cs
SY022	Allison's Lode	HQ	93.8	94	0.2	550.9	401.9	3.70	cs
SY022	Allison's Lode	HQ	158	159	1	2299.6	1527.5	2.98	cs
SY022	Allison's Lode	HQ	183.5	184	0.5	2343	1531.5	2.89	fc
SY022	Allison's Lode	HQ	201.4	201.9	0.5	2398.7	1556.8	2.85	fc
SY022	Allison's Lode	HQ	219.3	220	0.7	3268.8	2133.9	2.88	fc
SY022	Allison's Lode	HQ	230	231	1	3324.5	2565.6	4.38	ms
SY022	Allison's Lode	HQ	231.3	232.15	0.85	3059.4	2360.2	4.38	ms

SY022	Allison's Lode	HQ	235.3	235.65	0.35	1694.8	1119.6	2.95	cs
SY023	West Lode	HQ	0	1	1	3363.3	2507.7	3.93	ms
SY023	West Lode	HQ	1.15	1.3	0.15	547.6	413.3	4.08	ms
Hole ID	Deposit		Depth (m) (from)	Depth (m) (to)	Width (m)	Weight in air (g)	Weight in water (g)	Bulk Density	Lithology
SY023	West Lode	HQ	1.65	2.45	0.8	3341	2471.5	3.84	ms
SY023	West Lode	HQ	8.7	8.8	0.1	159.1	85.3	2.16	ta
SY023	West Lode	HQ	9.3	9.42	0.12	230.7	110.2	1.91	ta
SY023	West Lode	HQ	25.1	26.1	1	3377.8	2124.6	2.70	ph
Comstock Stock pile (Allison's Lode)									
1	Allison's Lode	Stock pile	N/A	N/A	N/A	1370.9	893.4	2.87	ac
2	Allison's Lode	Stock pile	N/A	N/A	N/A	1223.9	853.8	3.31	cs
3	Allison's Lode	Stock pile	N/A	N/A	N/A	2153.2	1446.6	3.05	cs
4	Allison's Lode	Stock pile	N/A	N/A	N/A	1891.6	1451.1	4.29	ms
5	Allison's Lode	Stock pile	N/A	N/A	N/A	2297.9	1702.8	3.86	cs
6	Allison's Lode	Stock pile	N/A	N/A	N/A	934.3	708.5	4.14	ms
7	Allison's Lode	Stock pile	N/A	N/A	N/A	2233.8	1689.2	4.10	ms
8	Allison's Lode	Stock pile	N/A	N/A	N/A	3062.7	2314.5	4.09	ms
9	Allison's Lode	Stock pile	N/A	N/A	N/A	924.4	697.5	4.07	ms
10	Allison's Lode	Stock pile	N/A	N/A	N/A	3284.7	2505.9	4.22	ms
11	Allison's Lode	Stock pile	N/A	N/A	N/A	738.4	547.1	3.86	cs
12	Allison's Lode	Stock pile	N/A	N/A	N/A	1121.1	868.7	4.44	ms
13	Allison's Lode	Stock pile	N/A	N/A	N/A	1804.9	1365.7	4.11	ms
14	Allison's Lode	Stock pile	N/A	N/A	N/A	538.1	418.6	4.50	ms
15	Allison's Lode	Stock pile	N/A	N/A	N/A	386.1	293.7	4.18	ms
16	Allison's Lode	Stock pile	N/A	N/A	N/A	850.3	646.8	4.18	ms
17	Allison's Lode	Stock pile	N/A	N/A	N/A	1181.5	898.1	4.17	ms
18	Allison's Lode	Stock pile	N/A	N/A	N/A	1950.3	1390.1	3.48	cs
19	Allison's Lode	Stock pile	N/A	N/A	N/A	481.7	360.2	3.96	cs

Hole ID	Deposit		Depth (m) (from)	Depth (m) (to)	Width (m)	Weight in air (g)	Weight in water (g)	Bulk Density	Lithology
20	Allison's Lode	Stock pile	N/A	N/A	N/A	2438.9	1820.3	3.94	ms
21	Allison's Lode	Stock pile	N/A	N/A	N/A	1561.1	1159.2	3.88	ms
22	Allison's Lode	Stock pile	N/A	N/A	N/A	169.9	128.7	4.12	ms
23	Allison's Lode	Stock pile	N/A	N/A	N/A	2271.7	1704.2	4.00	ms
24	Allison's Lode	Stock pile	N/A	N/A	N/A	1981.6	1515.3	4.25	ms
25	Allison's Lode	Stock pile	N/A	N/A	N/A	937.7	743.9	4.84	ms
26	Allison's Lode	Stock pile	N/A	N/A	N/A	1065.1	784.7	3.80	cs
27	Allison's Lode	Stock pile	N/A	N/A	N/A	6200	4700	4.13	ms
28	Allison's Lode	Stock pile	N/A	N/A	N/A	4300	3200	3.91	ms
29	Allison's Lode	Stock pile	N/A	N/A	N/A	6600	5151	4.55	ms
30	Allison's Lode	Stock pile	N/A	N/A	N/A	4800	2950	2.59	cs
31	Allison's Lode	Stock pile	N/A	N/A	N/A	7550	6330	6.19	ms
32	Allison's Lode	Stock pile	N/A	N/A	N/A	1965.9	1492.5	4.15	ms
33	Allison's Lode	Stock pile	N/A	N/A	N/A	1457.4	1096.7	4.04	ms
34	Allison's Lode	Stock pile	N/A	N/A	N/A	3035.4	2098.1	3.24	cs
35	Allison's Lode	Stock pile	N/A	N/A	N/A	3036.4	2345.9	4.40	ms
36	Allison's Lode	Stock pile	N/A	N/A	N/A	1563.8	1210	4.42	ms
37	Allison's Lode	Stock pile	N/A	N/A	N/A	3102	2214.3	3.49	cs
38	Allison's Lode	Stock pile	N/A	N/A	N/A	1180.3	778.3	2.94	cs
39	Allison's Lode	Stock pile	N/A	N/A	N/A	882.4	580	2.92	cs
40	Allison's Lode	Stock pile	N/A	N/A	N/A	2465.9	1595.7	2.83	cs
41	Allison's Lode	Stock pile	N/A	N/A	N/A	2174	1343.3	2.62	ac
42	Allison's Lode	Stock pile	N/A	N/A	N/A	2307.8	1441.3	2.66	ac

Hole ID	Deposit		Depth (m) (from)	Depth (m) (to)	Width (m)	Weight in air (g)	Weight in water (g)	Bulk Density	Lithology
43	Allison's Lode	Stock pile	N/A	N/A	N/A	1647.8	1014.2	2.60	ac
44	Allison's Lode	Stock pile	N/A	N/A	N/A	683.9	434.3	2.74	ph
45	Allison's Lode	Stock pile	N/A	N/A	N/A	1255.2	803.1	2.78	ph
46	Allison's Lode	Stock pile	N/A	N/A	N/A	1448.7	923.5	2.76	ph
Comstock Stock pile (West Lode)									
47	West Lode	Stock pile	N/A	N/A	N/A	1266.5	960	4.13	ms
48	West Lode	Stock pile	N/A	N/A	N/A	1231.8	1010.7	5.57	ms
49	West Lode	Stock pile	N/A	N/A	N/A	193	148.7	4.36	ms
<u>Legend</u>		<u>Code</u>							
carbonaceous phyllite		ph							
talc		ta							
massive sulphide (lode)		ms							
fresh carbonate		fc							
altered carbonate		ac							
carbonate with sulphide		cs							