

Appendix 4
Details of Density Measurements

<i>Bulk Density for Altered Carbonate</i>	
Mean	2.6179
Standard Error	0.06268
Median	2.63263
Mode	#N/A
Standard Deviation	0.16583
Sample Variance	0.0275
Kurtosis	3.06638
Skewness	-0.73599
Range	0.5662
Minimum	2.3048
Maximum	2.87099
Sum	18.3253
Count	7
Confidence Level(95.0%)	0.15336

<i>Bulk Density for Fresh Carbonate</i>	
Mean	2.88764
Standard Error	0.01332
Median	2.88375
Mode	#N/A
Standard Deviation	0.03263
Sample Variance	0.00106
Kurtosis	1.53866
Skewness	0.98635
Range	0.09498
Minimum	2.84915
Maximum	2.94414
Sum	17.3258
Count	6
Confidence Level(95.0%)	0.03425

<i>Bulk Density for Phyllite</i>	
Mean	2.71257
Standard Error	0.0116
Median	2.71944
Mode	#N/A
Standard Deviation	0.04017
Sample Variance	0.00161
Kurtosis	-0.7618
Skewness	-0.19329
Range	0.13315
Minimum	2.64322
Maximum	2.77638
Sum	32.5508
Count	12
Confidence Level(95.0%)	0.02552

Summary	
Bulk Densities	
Lithology	BD
Altered Carbonate	2.62
Carbonate & sulphides	3.29
Fresh Carbonate	2.89
Massive Sulphide	4.29
Phyllite	2.71
Talc	2.03

<i>Bulk Density for Carbonate & Sulphides</i>	
Mean	3.2919
Standard Error	0.09054
Median	3.23845
Mode	#N/A
Standard Deviation	0.41491
Sample Variance	0.17215
Kurtosis	-1.37379
Skewness	0.17089
Range	1.37001
Minimum	2.59459
Maximum	3.96461
Sum	69.1298
Count	21
Confidence Level(95.0%)	0.18886

<i>Bulk Density for Massive Sulphide</i>	
Mean	4.29174
Standard Error	0.07674
Median	4.16902
Mode	#N/A
Standard Deviation	0.45403
Sample Variance	0.20614
Kurtosis	9.81846
Skewness	2.90247
Range	2.34609
Minimum	3.84244
Maximum	6.18852
Sum	150.211
Count	35
Confidence Level(95.0%)	0.15596

<i>Bulk Density for Talc</i>	
Mean	2.03517
Standard Error	0.12065
Median	2.03517
Mode	#N/A
Standard Deviation	0.17063
Sample Variance	0.02911
Kurtosis	#DIV/0!
Skewness	#DIV/0!
Range	0.2413
Minimum	1.91452
Maximum	2.15583
Sum	4.07035
Count	2
Confidence Level(95.0%)	1.53303

Hole ID	Deposit		Depth (from) (m)	Depth (to) (m)	Width (m)	Weight in air (g)	Weight in water (g)	Bulk Density	Lithology
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
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
Comsock 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

Hole ID	Deposit		Depth (m) (from)	Depth (m) (to)	Width (m)	Weight in air (g)	Weight in water (g)	Bulk Density	Lithology
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
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

Hole ID	Deposit		Depth (from) (m)	Depth (to) (m)	Width (m)	Weight in air (g)	Weight in water (g)	Bulk Density	Lithology
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
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
Comsock 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
Legend		Code							
carbonaceous phyllite		ph							
talc		ta							
massive sulphide (lode)		ms							
fresh carbonate		fc							
altered carbonate		ac							
carbonate with sulphide		cs							