

CALCULATED SURVEY DATA

007275

SET-UP STATION = 9046 HI = 1.373 H.EDM = 1.373 Location = 9767.461 N 10064.658 E 1154.096 El.
 BACKSIGHT STATION = 9026 Reference Horizontal Angle = 000-00-00 Location = 9690.072 N 9766.881 E 1155.877 El.
 Reference Backsight Azimuth = 255-25-54

Comments =
 Temp : -5.0000
 Instrument = TOTAL STATION

Bench	Line Type	Shot No.	Horiz. Angle	Zenith Angle	Horiz. Distance	Shot Azimuth	Vertical Distance	Height Target	Height Boost	Offset T Dist.	Coordinates		
											Northing	Easting	Elevation
1140	GP	1	297-53-20	091-53-05	315.275	193-19-14	-10.368	3.480	0.000	L 0.0	9460.669	9992.019	1141.621
1140	GP	1	298-56-20	092-11-25	322.640	194-22-14	-12.333	1.480	0.000	L 0.0	9454.917	9984.581	1141.656
1140	GP	1	301-27-10	092-24-20	328.366	196-53-04	-13.787	0.000	0.000	L 0.0	9453.250	9969.286	1141.682
1140	GP	1	305-29-05	092-27-00	296.574	200-54-59	-12.683	1.480	0.000	L 0.0	9490.431	9958.779	1141.306
1140	GP	1	310-03-05	092-34-45	277.663	205-28-59	-12.502	1.480	0.000	L 0.0	9516.811	9945.195	1141.487
1140	GP	1	310-25-25	092-46-45	254.804	205-51-19	-12.365	1.480	0.000	L 0.0	9538.163	9953.538	1141.624

3m Benches

V8903g (Geology Composites - undiluted)

Cat.	Tonnes	Vol(cu.m)	S.G.	%Pb+Zn	Metal
+6%	4,911,920	1,206,990	4.07	9.97	489,817
+5%	5,279,470	1,326,450	3.98	9.66	509,997
+4%	5,591,680	1,429,020	3.91	9.37	523,940
+3%	6,001,480	1,558,140	3.85	8.97	538,333
5-6%	367,550	119,460	3.08	5.49	20,180
4-5%	312,210	102,570	3.04	4.47	13,944
3-4%	409,800	129,120	3.17	3.51	14,392
Uninterp.	137,520	38,270	3.59		
Sul Wst	1,833,755	510,780	3.59		
Rk Wst	6,458,410	2,392,000	2.70		
Till	6,470,820	3,082,800	2.10		
Undiff	1,509,840	559,200	2.70		
Total Wst	16,272,825	6,544,780	2.49		
Strip (+4%)	2.91				
Total Pit Volume		8,141,190			

6m Benches

V8911g (Geology Composites - undiluted)

Cat.	Tonnes	Vol(cu.m)	S.G.	%Pb+Zn	Metal
+6%	4,994,060	1,223,770	4.08	10.01	499,806
+5%	5,361,290	1,342,880	3.99	9.70	519,992
+4%	5,651,980	1,437,240	3.93	9.43	533,151
+3%	6,050,880	1,562,090	3.87	9.04	547,000
5-6%	367,230	119,110	3.08	5.50	20,186
4-5%	290,690	94,360	3.08	4.53	13,160
3-4%	398,900	124,850	3.20	3.47	13,848
Uninterp.	124,700	35,120	3.55		
Sul Wst	1,839,260	508,470	3.62		
Rk Wst	6,452,510	2,389,810	2.70		
Till	6,551,110	3,121,060	2.10		
Undiff	1,390,650	515,060	2.70		
Total Wst	16,233,530	6,534,400	2.48		
Strip (+4%)	2.87				
Total Sulph Vol.		2,105,680			
Total Pit Volume		8,131,610			

Interpolation Parameters (Same for all above models)

Rock code matching Strict
 Range 50m (90m for v8803 model)
 Minimum # samples 2
 Maximum # samples 8
 Horizontal anisotropy 1.4
 Vertical anisotropy 1.4
 Inverse Distance Squared

3m Benches

V8903B (Bench Composites - undiluted)

Cat.	Tonnes	Vol(cu.m)	S.G.	%Pb+Zn	Metal
+6%	4,827,990	1,206,930	4.00	9.52	459,528
+5%	5,234,950	1,337,170	3.91	9.21	481,877
+4%	5,569,080	1,442,100	3.86	8.92	496,873
+3%	6,015,720	1,575,500	3.82	8.52	512,239
5-6%	406,960	130,240	3.12	5.49	22,349
4-5%	334,130	104,930	3.18	4.49	14,996
3-4%	446,640	133,400	3.35	3.44	15,365
Uninterp.	146,630	39,930	3.67		
Sul Wst	1,753,540	491,760	3.57		
Rk Wst	6,745,740	2,392,000	2.82		
Till	6,470,820	3,082,800	2.10		
Undiff	1,509,840	559,200	2.70		
Total Wst	16,479,940	6,525,760	2.53		
Strip (+4%)	2.96				
Total Pit Volume		8,141,190			

6m Benches

V8911B (Bench Composites - undiluted)

Cat.	Tonnes	Vol(cu.m)	S.G.	%Pb+Zn	Metal
+6%	4,904,880	1,250,190	3.92	9.59	470,280
+5%	5,152,230	1,328,460	3.88	9.39	483,897
+4%	5,459,360	1,425,110	3.83	9.12	497,675
+3%	6,060,400	1,605,850	3.77	8.55	518,346
5-6%	247,350	78,270	3.16	5.51	13,618
4-5%	307,130	96,650	3.18	4.49	13,778
3-4%	601,040	180,740	3.33	3.44	20,671
Uninterp.	302,240	82,690	3.66		
Sul Wst	1,482,030	417,120	3.55		
Rk Wst	6,452,510	2,389,810	2.70		
Till	6,551,110	3,121,060	2.10		
Undiff	1,390,650	515,060	2.70		
Total Wst	15,876,300	6,443,050	2.46		
Strip (+4%)	2.91				
Total Sulph Vol.		2,105,660			
Total Pit Volume		8,131,590			

6m Benches

V8803 (Geology Composites - undiluted)

Cat.	Tonnes	Vol(cu.m)	S.G.	%Pb+Zn	Metal
+6%	5,559,570	1,363,920	4.08	9.80	545,005
+5%	5,951,940	1,491,720	3.99	9.52	566,446
+4%	6,347,480	1,617,440	3.92	9.20	584,222
+3%	6,819,970	1,763,580	3.87	8.81	600,635
5-6%	392,370	127,800	3.07	5.46	21,441
4-5%	395,540	125,720	3.15	4.49	17,776
3-4%	472,490	146,140	3.23	3.47	16,413
Uninterp.	3,840	1,230	3.12		
Sul Wst	1,782,260	494,210	3.61		
Rk Wst	6,361,270	2,356,030	2.70		
Till	7,401,380	3,526,140	2.10		
Undiff	0	0			
Total Wst	15,544,910	6,376,380	2.44		
Strip (+4%)	2.45				
Total Sulph Vol.		2,259,020			
Total Pit Volume		8,141,190			