

MINING RESERVE EVALUATION

*FI model open pit reserves within A-D pit*

DESCRIPTION : Mining Reserves

TOP SURFACE GRID RECORD : 1 FARO PIT SURFACE AT START-UP OF MINING  
 BOTTOM SURFACE GRID RECORD : 3 \$5/MT ECONOMIC PIT (WITH RAMP ALLOWANCES) / JAN '86 EVALUATION

BENCH TOTALS FOR WASTE FROM .0000 [%Pb+Zn] TO 4.0000 [%Pb+Zn]

BENCH	CREST [ft]	TOE [ft]	VOLUME [bcf x1000]	DENSITY [tn/bcf]	TONNAGE [ TONS x1000]	AVERAGE GRADES					ECONOMIC FACTOR [Cdn \$ x1000]
						[%Pb+Zn]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]	
1	4270.00	4230.00	1720.00	.076	130.72	.000	.000	.000	.000	.000	-167.36
2	4230.00	4190.00	3507.50	.076	266.57	.000	.000	.000	.000	.000	-341.28
3	4190.00	4150.00	3862.50	.076	293.55	.000	.000	.000	.000	.000	-375.82
4	4150.00	4110.00	6352.50	.076	482.79	.000	.000	.000	.000	.000	-618.10
5	4110.00	4070.00	6012.50	.076	456.95	.000	.000	.000	.000	.000	-585.02
6	4070.00	4030.00	7850.00	.076	596.60	.000	.000	.000	.000	.000	-763.80
7	4030.00	3990.00	26235.00	.076	1993.86	.000	.000	.000	.000	.000	-2552.67
8	3990.00	3950.00	39672.50	.076	3015.11	.000	.000	.000	.000	.000	-3860.13
9	3950.00	3910.00	23992.50	.076	1823.43	.000	.000	.000	.000	.000	-2334.47
10	3910.00	3890.00	31560.00	.076	2398.26	.008	.003	.005	.070	.001	-3075.06
11	3890.00	3870.00	36845.00	.076	2799.92	.007	.002	.005	.061	.001	-3588.65
12	3870.00	3850.00	65467.50	.076	4977.23	.024	.009	.014	.189	.002	-6380.97
13	3850.00	3830.00	65062.50	.076	4944.90	.021	.008	.013	.162	.002	-6338.44
14	3830.00	3810.00	64465.00	.076	4900.39	.018	.006	.011	.134	.001	-6281.20
15	3810.00	3790.00	61935.00	.076	4707.06	.000	.000	.000	.000	.000	-6032.47
16	3790.00	3770.00	59932.50	.076	4556.02	.020	.005	.014	.131	.002	-5839.38
17	3770.00	3750.00	57570.00	.076	4376.02	.007	.003	.004	.040	.000	-5609.20
18	3750.00	3730.00	55792.50	.076	4242.98	.032	.013	.019	.273	.005	-5438.90
19	3730.00	3710.00	53025.00	.076	4032.45	.006	.003	.004	.069	.001	-5168.92
20	3710.00	3690.00	51592.50	.077	3950.03	.105	.042	.063	.748	.006	-5073.05
21	3690.00	3670.00	50055.00	.077	3835.58	.117	.041	.076	.799	.005	-4924.35
22	3670.00	3650.00	48002.50	.077	3683.44	.163	.057	.106	.971	.006	-4724.32
23	3650.00	3630.00	44040.00	.077	3388.89	.159	.058	.102	.975	.008	-4346.98
24	3630.00	3610.00	41462.50	.077	3206.85	.213	.085	.128	1.807	.015	-4111.90
25	3610.00	3590.00	38117.50	.078	2971.36	.323	.130	.194	2.588	.017	-3818.46
26	3590.00	3570.00	35450.00	.080	2834.10	.624	.235	.389	3.960	.029	-3683.94
27	3570.00	3550.00	28750.00	.080	2288.40	.540	.193	.346	3.628	.027	-2958.60
28	3550.00	3530.00	21450.00	.080	1721.85	.657	.236	.422	3.811	.024	-2241.27
29	3530.00	3510.00	14650.00	.084	1228.15	1.313	.507	.807	8.178	.041	-1615.96
30	3510.00	3490.00	11900.00	.090	1065.75	2.168	.811	1.358	12.316	.071	-1426.37
31	3490.00	3470.00	7400.00	.090	662.70	2.369	.868	1.501	14.352	.108	-784.82
32	3470.00	3450.00	5600.00	.087	487.25	1.970	.717	1.253	10.904	.083	-601.19
33	3450.00	3430.00	5050.00	.087	440.45	2.099	.727	1.371	12.544	.045	-539.15
34	3430.00	3410.00	3050.00	.089	271.85	1.763	.654	1.109	10.340	.030	-365.09
35	3410.00	3390.00	2950.00	.085	251.30	2.177	.735	1.443	13.192	.069	-333.98
36	3390.00	3370.00	2250.00	.077	172.70	1.776	.571	1.206	13.227	.029	-224.87
37	3370.00	3350.00	1000.00	.071	77.45	.000	.000	.000	14.451	.011	-114.45

38	3350.00	3330.00	1800.00	.074	133.60	1.984	.750	1.235	27.397	.008	-173.90
39	3330.00	3310.00	650.00	.076	49.20	.250	.099	.151	3.951	.000	-63.17
40	3310.00	3290.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
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TOTAL FOR ALL BENCHES			1086880.00	.077	83775.70	.209	.077	.132	1.375		.01
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MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves

TOP SURFACE GRID RECORD : 1 FARO PIT SURFACE AT START-UP OF MINING  
 BOTTOM SURFACE GRID RECORD : 3 \$5/MT ECONOMIC PIT (WITH RAMP ALLOWANCES) / JAN '86 EVALUATION

BENCH. TOTALS FOR STOCKPILE FROM 4.0000 [%Pb+Zn] TO 5.0000 [%Pb+Zn]

BENCH	CREST		VOLUME [bcf x1000]	DENSITY [tn/bcf]	TONNAGE [ TONS x1000]	AVERAGE GRADES					ECONOMIC FACTOR [Cdn \$ x1000]	
	[ft	] [ft				] [%Pb+Zn]	[ %Pb ]	[ %Zn ]	[Ag g/t]	[Au g/t]		
1	4270.00	4230.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.00
2	4230.00	4190.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.00
3	4190.00	4150.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.00
4	4150.00	4110.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.00
5	4110.00	4070.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.00
6	4070.00	4030.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.00
7	4030.00	3990.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.00
8	3990.00	3950.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.00
9	3950.00	3910.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.00
10	3910.00	3890.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.00
11	3890.00	3870.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.00
12	3870.00	3850.00	100.00	.083	8.25	4.454	1.675	2.785	30.212	.293	.000	-10.83
13	3850.00	3830.00	50.00	.082	4.10	4.340	1.860	2.480	31.000	.160	.000	-5.69
14	3830.00	3810.00	250.00	.082	20.45	4.169	1.402	2.770	28.455	.285	.000	-27.28
15	3810.00	3790.00	550.00	.082	45.05	4.457	1.617	2.841	32.430	.253	.000	-17.02
16	3790.00	3770.00	350.00	.084	29.35	4.466	1.375	3.091	29.681	.245	.000	15.77
17	3770.00	3750.00	300.00	.082	24.50	4.538	1.606	2.935	33.251	.265	.000	10.80
18	3750.00	3730.00	400.00	.089	35.55	4.519	1.840	2.681	30.938	.398	.000	-17.84
19	3730.00	3710.00	707.50	.101	71.77	4.665	2.258	2.407	33.986	.461	.000	-39.20
20	3710.00	3690.00	550.00	.099	54.60	4.351	1.839	2.514	26.309	.124	.000	-65.94
21	3690.00	3670.00	650.00	.100	65.20	4.521	1.815	2.707	23.905	.151	.000	-83.00
22	3670.00	3650.00	1050.00	.096	100.55	4.594	1.873	2.721	27.738	.170	.000	-53.54
23	3650.00	3630.00	1850.00	.098	181.00	4.504	1.657	2.847	22.836	.207	.000	-202.58
24	3630.00	3610.00	1000.00	.091	91.15	4.450	1.458	2.993	18.674	.136	.000	-105.73
25	3610.00	3590.00	1650.00	.094	154.50	4.455	1.710	2.746	27.345	.170	.000	-118.28
26	3590.00	3570.00	1350.00	.097	131.55	4.365	1.732	2.635	25.770	.116	.000	-107.55
27	3570.00	3550.00	1950.00	.098	190.60	4.533	1.717	2.818	21.427	.102	.000	-224.00
28	3550.00	3530.00	2300.00	.101	232.15	4.555	1.809	2.747	25.681	.106	.000	-215.35
29	3530.00	3510.00	4050.00	.092	374.05	4.509	1.801	2.709	26.614	.105	.000	-244.10
30	3510.00	3490.00	3000.00	.091	273.45	4.488	1.772	2.717	28.084	.119	.000	-149.20
31	3490.00	3470.00	2250.00	.094	211.00	4.513	1.801	2.713	27.259	.152	.000	-72.67
32	3470.00	3450.00	2600.00	.093	241.95	4.632	2.187	2.445	38.250	.105	.000	183.47
33	3450.00	3430.00	2100.00	.094	196.60	4.498	1.704	2.796	27.712	.072	.000	-99.81
34	3430.00	3410.00	1600.00	.097	154.65	4.480	1.532	2.948	22.068	.078	.000	-195.54
35	3410.00	3390.00	750.00	.093	70.10	4.475	1.470	3.007	23.906	.087	.000	-43.28
36	3390.00	3370.00	800.00	.083	66.70	4.449	1.427	3.023	26.374	.051	.000	-47.76
37	3370.00	3350.00	400.00	.080	40.15	4.432	1.300	3.131	24.741	.010	.000	-20.94

38	3350.00	3330.00	250.00	.078	19.50	4.347	1.508	2.839	32.621	.168	-5.05
39	3330.00	3310.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
40	3310.00	3290.00	.00	.000	.00	.000	.000	.000	.000	.000	.00

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TOTAL FOR ALL BENCHES			33057.50	.094	3096.47	4.505	1.757	2.750	27.058		.14
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MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves

TOP SURFACE GRID RECORD : 1 FARO PIT SURFACE AT START-UP OF MINING  
 BOTTOM SURFACE GRID RECORD : 3 \$5/MT ECONOMIC PIT (WITH RAMP ALLOWANCES) / JAN '86 EVALUATION

BENCH TOTALS FOR ORE ABOVE 5.0000 [%Pb+Zn]

BENCH	CREST		VOLUME	DENSITY	TONNAGE	AVERAGE GRADES					ECONOMIC FACTOR	
	[ft	] [ft				[bcf	x1000]	[tn/bcf]	[ TONS x1000]	[%Pb+Zn]		[ %Pb ]
1	4270.00	4230.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.00
2	4230.00	4190.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.00
3	4190.00	4150.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.00
4	4150.00	4110.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.00
5	4110.00	4070.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.00
6	4070.00	4030.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.00
7	4030.00	3990.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.00
8	3990.00	3950.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.00
9	3950.00	3910.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.00
10	3910.00	3890.00	245.00	.096	23.56	8.660	3.713	4.947	54.431	.067		381.26
11	3890.00	3870.00	150.00	.097	14.55	7.214	2.927	4.287	43.216	.041		132.33
12	3870.00	3850.00	500.00	.108	54.15	11.264	4.144	7.119	52.509	.076		1193.60
13	3850.00	3830.00	800.00	.100	80.15	10.277	3.892	6.385	50.963	.184		1574.40
14	3830.00	3810.00	1050.00	.099	104.00	9.487	3.681	5.806	51.772	.200		1859.21
15	3810.00	3790.00	1250.00	.101	126.45	11.237	4.273	6.965	55.111	.220		3157.67
16	3790.00	3770.00	1950.00	.097	188.85	8.963	3.394	5.569	48.754	.215		3089.65
17	3770.00	3750.00	2427.50	.097	234.46	8.135	3.185	4.951	45.820	.279		2915.23
18	3750.00	3730.00	2955.00	.108	319.93	7.710	2.971	4.739	37.482	.173		2981.66
19	3730.00	3710.00	4220.00	.099	416.06	7.149	2.752	4.397	39.625	.140		3513.55
20	3710.00	3690.00	3795.00	.098	370.71	7.119	2.672	4.447	38.354	.115		3222.71
21	3690.00	3670.00	3112.50	.097	301.85	6.995	2.567	4.428	34.084	.195		2553.91
22	3670.00	3650.00	3227.50	.100	323.52	7.725	3.180	4.545	36.617	.173		3454.35
23	3650.00	3630.00	4400.00	.100	441.00	7.317	2.891	4.426	33.865	.191		3937.38
24	3630.00	3610.00	6250.00	.101	633.05	8.201	3.026	5.176	32.927	.176		7682.57
25	3610.00	3590.00	7482.50	.100	747.82	8.074	3.063	5.011	36.218	.162		8942.65
26	3590.00	3570.00	7550.00	.098	736.60	8.199	3.143	5.057	39.741	.102		9467.71
27	3570.00	3550.00	10400.00	.101	1047.30	8.403	3.478	4.924	45.396	.093		14714.50
28	3550.00	3530.00	14450.00	.101	1459.30	8.329	3.397	4.932	45.945	.106		20093.16
29	3530.00	3510.00	16800.00	.102	1721.90	8.912	3.579	5.333	45.298	.094		26761.97
30	3510.00	3490.00	18000.00	.103	1850.25	8.912	3.608	5.304	46.430	.095		29098.93
31	3490.00	3470.00	20100.00	.101	2039.05	8.948	3.610	5.338	45.842	.076		32492.04
32	3470.00	3450.00	16650.00	.103	1710.25	8.689	3.435	5.254	43.452	.071		25125.02
33	3450.00	3430.00	12400.00	.107	1328.90	8.539	3.305	5.234	38.202	.122		18151.50
34	3430.00	3410.00	10450.00	.109	1143.85	7.972	3.080	4.893	32.170	.066		12351.01
35	3410.00	3390.00	8050.00	.105	842.30	7.439	2.860	4.579	31.194	.048		7492.17
36	3390.00	3370.00	5900.00	.102	603.50	8.149	2.975	5.175	29.086	.060		6694.07
37	3370.00	3350.00	4450.00	.092	424.40	8.871	3.115	5.754	34.687	.101		6109.48

38	3350.00	3330.00	2850.00	.089	253.65	9.556	3.249	6.309	33.030	.112	4101.26
39	3330.00	3310.00	1800.00	.084	151.05	8.230	2.550	5.681	43.560	.038	2156.92
40	3310.00	3290.00	700.00	.082	57.05	8.612	2.462	6.150	36.415	.000	853.22
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TOTAL FOR ALL BENCHES			194565.00	.102	19751.46	8.426	3.298	5.128	40.889		.11
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MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves

TOP SURFACE GRID RECORD : 1 FARO PIT SURFACE AT START-UP OF MINING  
 BOTTOM SURFACE GRID RECORD : 3 \$5/MT ECONOMIC PIT (WITH RAMP ALLOWANCES) / JAN '86 EVALUATION

BENCH TOTALS FOR ALL MATERIAL

BENCH	CREST		TOE	VOLUME	DENSITY	TONNAGE	AVERAGE GRADES					ECONOMIC FACTOR
	[ft	]					[bcf	x1000]	[tn/bcf]	[ TONS x1000]	[%Pb+Zn]	
1	4270.00	4230.00	1720.00	.076	130.72	.000	.000	.000	.000	.000	-167.36	
2	4230.00	4190.00	3507.50	.076	266.57	.000	.000	.000	.000	.000	-341.28	
3	4190.00	4150.00	3862.50	.076	293.55	.000	.000	.000	.000	.000	-375.82	
4	4150.00	4110.00	6352.50	.076	482.79	.000	.000	.000	.000	.000	-618.10	
5	4110.00	4070.00	6012.50	.076	456.95	.000	.000	.000	.000	.000	-585.02	
6	4070.00	4030.00	7850.00	.076	596.60	.000	.000	.000	.000	.000	-763.80	
7	4030.00	3990.00	26235.00	.076	1993.86	.000	.000	.000	.000	.000	-2552.67	
8	3990.00	3950.00	39672.50	.076	3015.11	.000	.000	.000	.000	.000	-3860.13	
9	3950.00	3910.00	23992.50	.076	1823.43	.000	.000	.000	.000	.000	-2334.47	
10	3910.00	3890.00	31805.00	.076	2421.82	.092	.039	.053	.599	.002	-2693.80	
11	3890.00	3870.00	36995.00	.076	2814.47	.044	.018	.027	.284	.001	-3456.32	
12	3870.00	3850.00	66067.50	.076	5039.63	.152	.056	.095	.800	.003	-5198.20	
13	3850.00	3830.00	65912.50	.076	5029.15	.188	.071	.117	.997	.005	-4769.73	
14	3830.00	3810.00	65765.00	.076	5024.84	.231	.088	.143	1.318	.007	-4449.27	
15	3810.00	3790.00	63735.00	.077	4878.56	.332	.126	.207	1.728	.008	-2891.82	
16	3790.00	3770.00	62232.50	.077	4774.22	.401	.148	.253	2.236	.011	-2733.96	
17	3770.00	3750.00	60297.50	.077	4634.98	.442	.172	.270	2.531	.016	-2683.17	
18	3750.00	3730.00	59147.50	.078	4598.46	.601	.233	.368	3.098	.019	-2475.08	
19	3730.00	3710.00	57952.50	.078	4520.28	.738	.292	.446	4.249	.021	-1694.58	
20	3710.00	3690.00	55937.50	.078	4375.34	.752	.287	.465	4.253	.017	-1916.27	
21	3690.00	3670.00	53817.50	.078	4202.63	.679	.250	.430	3.548	.021	-2453.44	
22	3670.00	3650.00	52280.00	.079	4107.51	.867	.348	.520	4.434	.023	-1323.51	
23	3650.00	3630.00	50290.00	.080	4010.89	1.142	.441	.701	5.578	.037	-612.18	
24	3630.00	3610.00	48712.50	.081	3931.05	1.598	.591	1.007	7.210	.044	3464.94	
25	3610.00	3590.00	47250.00	.082	3873.68	1.984	.759	1.226	10.067	.051	5005.92	
26	3590.00	3570.00	44350.00	.083	3702.25	2.264	.867	1.397	11.854	.047	5676.22	
27	3570.00	3550.00	41100.00	.086	3526.30	3.091	1.251	1.840	16.995	.051	11531.90	
28	3550.00	3530.00	38200.00	.089	3413.30	4.202	1.694	2.508	23.312	.065	17636.54	
29	3530.00	3510.00	35500.00	.094	3324.10	5.609	2.244	3.365	29.481	.075	24901.91	
30	3510.00	3490.00	32900.00	.097	3189.45	6.279	2.516	3.763	33.458	.089	27523.36	
31	3490.00	3470.00	29750.00	.098	2912.75	7.130	2.855	4.275	37.331	.089	31634.55	
32	3470.00	3450.00	24850.00	.098	2439.45	6.944	2.768	4.176	36.435	.077	24707.30	
33	3450.00	3430.00	19550.00	.101	1965.95	6.692	2.568	4.125	31.404	.099	17512.54	
34	3430.00	3410.00	15100.00	.104	1570.35	6.553	2.508	4.046	27.396	.061	11790.38	
35	3410.00	3390.00	11750.00	.099	1163.70	6.124	2.317	3.807	26.868	.055	7114.91	
36	3390.00	3370.00	8950.00	.094	842.90	6.551	2.360	4.191	25.622	.053	6421.44	
37	3370.00	3350.00	7050.00	.097	642.00	6.754	2.352	4.402	20.510	.074	5014.97	

38	3350.00	3330.00	4900.00	.083	406.75	6.819	2.344	4.476	31.160	.081	3922.31
39	3330.00	3310.00	2450.00	.082	200.25	6.269	1.948	4.322	33.828	.028	2093.75
40	3310.00	3290.00	700.00	.082	57.05	8.612	2.462	6.150	36.415	.000	853.22

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TOTAL FOR ALL BENCHES			1314503.00	.081	106623.60	1.856	.723	1.134	9.441		.03
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