

MINING RESERVE EVALUATION

DESCRIPTION : Mined 2nd Half 1989

TOP SURFACE GRID RECORD : 8 Geol.'s Corrected June ME CUT Surface (merged)
 BOTTOM SURFACE GRID RECORD : 4 F4 - 1989 Year End Cut Pit Surface (December 28 1989 Pit Survey)

BLOCKS USED :

COLUMNS 1 TO 128 ROWS 1 TO 128

BENCH TOTALS FOR WASTE FROM .0000 [%Pb+Zn] TO 3.0000 [%Pb+Zn]

BENCH	CREST	TOE	VOLUME	DENSITY	TONNAGE	AVERAGE GRADES					ECONOMIC FACTOR
[ft]	[ft]	[ft]	[bcf x1000]	[tn/bcf]	[TONS x1000]	[%Pb+Zn]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]	[Cdn \$ x1000]
1	4270.00	4230.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
2	4230.00	4190.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
3	4190.00	4150.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
4	4150.00	4110.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
5	4110.00	4070.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
6	4070.00	4030.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
7	4030.00	3990.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
8	3990.00	3950.00	538.28	.068	36.50	.000	.000	.000	.0	.000	.00
9	3950.00	3910.00	4592.66	.069	318.53	.000	.000	.000	.0	.000	.00
10	3910.00	3890.00	2950.40	.071	209.58	.000	.000	.000	.0	.000	.00
11	3890.00	3870.00	3028.18	.071	213.94	.000	.000	.000	.0	.000	.00
12	3870.00	3850.00	4016.37	.073	292.23	.000	.000	.000	.0	.000	.00
13	3850.00	3830.00	4620.06	.073	339.53	.000	.000	.000	.0	.000	.00
14	3830.00	3810.00	6772.30	.075	505.70	.000	.000	.000	.0	.000	.00
15	3810.00	3790.00	5898.15	.074	438.08	.000	.000	.000	.0	.000	.00
16	3790.00	3770.00	3338.43	.074	247.55	.000	.000	.000	.0	.000	.00
17	3770.00	3750.00	2848.75	.077	218.65	.000	.000	.000	.0	.000	.00
18	3750.00	3730.00	1061.54	.076	80.70	.011	.006	.005	.2	.001	.00
19	3730.00	3710.00	1849.96	.076	140.89	.000	.000	.000	.0	.000	.00
20	3710.00	3690.00	7504.15	.076	569.59	.000	.000	.000	.0	.000	.00
21	3690.00	3670.00	8943.11	.076	681.64	.045	.013	.032	.3	.002	.00
22	3670.00	3650.00	10858.52	.077	836.67	.118	.043	.075	.7	.005	.00
23	3650.00	3630.00	8797.27	.077	674.03	.098	.032	.066	.6	.003	.00
24	3630.00	3610.00	6651.21	.076	507.70	.016	.009	.007	.1	.001	.00
25	3610.00	3590.00	5941.45	.077	458.92	.107	.057	.050	.8	.004	.00
26	3590.00	3570.00	2717.06	.077	209.42	.149	.092	.057	1.3	.005	.00
27	3570.00	3550.00	1227.71	.077	94.95	.119	.052	.047	0	.004	.00

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BLOCKS USED :

COLUMNS 1 TO 128 ROWS 1 TO 128

BENCH TOTALS FOR STOCKPILE FROM 3.0000 [%Pb+Zn] TO 4.0000 [%Pb+Zn]

BENCH	CREST TOE		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	.0	.000	.00
2	4230.00	4190.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
3	4190.00	4150.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
4	4150.00	4110.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
5	4110.00	4070.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
6	4070.00	4030.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
7	4030.00	3990.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
8	3990.00	3950.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
9	3950.00	3910.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
10	3910.00	3890.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
11	3890.00	3870.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
12	3870.00	3850.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
13	3850.00	3830.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
14	3830.00	3810.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
15	3810.00	3790.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
16	3790.00	3770.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
17	3770.00	3750.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
18	3750.00	3730.00	13.26	.086	1.14	3.523	1.253	2.271	26.5	.168	.00
19	3730.00	3710.00	8.84	.109	.96	3.911	1.756	2.155	27.6	.193	.00
20	3710.00	3690.00	10.61	.120	1.28	3.595	1.599	1.996	22.0	.124	.00
21	3690.00	3670.00	425.15	.091	38.74	3.545	1.016	2.529	19.3	.143	.00
22	3670.00	3650.00	579.83	.096	55.40	3.587	1.450	2.137	25.2	.149	.00
23	3650.00	3630.00	335.88	.091	30.47	3.488	1.283	2.205	20.0	.119	.00
24	3630.00	3610.00	176.78	.091	16.13	3.774	1.427	2.347	20.3	.172	.00
25	3610.00	3590.00	465.81	.096	44.49	3.579	1.792	1.787	25.8	.191	.00
26	3590.00	3570.00	253.67	.094	23.86	3.507	1.954	1.552	34.8	.158	.00
27	3570.00	3550.00	72.01	.117	8.47	3.440	2.047	1.407	23.0	.088	.00

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BLOCKS USED :

COLUMNS 1 TO 128 ROWS 1 TO 128

BENCH TOTALS FOR ORE ABOVE 4.0000 [%Pb+Zn]

BENCH	CREST	TOE	VOLUME	DENSITY	TONNAGE	AVERAGE GRADES					ECONOMIC FACTOR
[ft]	[ft]	[ft]	[bcf x1000]	[tn/bcf]	[TONS x1000]	[%Pb+Zn]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]	[Cdn \$ x1000]
1	4270.00	4230.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
2	4230.00	4190.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
3	4190.00	4150.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
4	4150.00	4110.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
5	4110.00	4070.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
6	4070.00	4030.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
7	4030.00	3990.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
8	3990.00	3950.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
9	3950.00	3910.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
10	3910.00	3890.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
11	3890.00	3870.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
12	3870.00	3850.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
13	3850.00	3830.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
14	3830.00	3810.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
15	3810.00	3790.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
16	3790.00	3770.00	.00	.000	.00	.000	.000	.000	.0	.000	.00
17	3770.00	3750.00	2.65	.088	.23	5.650	1.822	3.828	36.6	.217	.00
18	3750.00	3730.00	19.45	.083	1.62	4.448	1.509	2.939	29.1	.134	.00
19	3730.00	3710.00	137.89	.097	13.41	6.340	2.261	4.079	35.3	.125	.00
20	3710.00	3690.00	541.82	.099	53.48	6.627	2.333	4.294	36.0	.145	.00
21	3690.00	3670.00	1151.70	.103	118.84	7.294	2.540	4.753	33.0	.123	.00
22	3670.00	3650.00	1565.36	.109	170.49	7.001	2.786	4.215	31.5	.151	.00
23	3650.00	3630.00	2883.23	.110	316.08	6.847	2.791	4.056	36.3	.170	.00
24	3630.00	3610.00	3774.19	.113	428.14	8.272	3.463	4.809	47.9	.120	.00
25	3610.00	3590.00	3408.26	.110	373.97	8.823	3.759	5.064	49.6	.187	.00
26	3590.00	3570.00	2731.20	.109	298.65	8.753	3.545	5.208	49.2	.299	.00
27	3570.00	3550.00	2045.22	.110	225.25	7.822	3.251	4.401	38.5	.120	.00

2,328,165 , 3,15 , 4.65 40.8