

VANGORDA PCMINE RESERVES

V8803 GEOLOGY COMPOSITE MODEL

V8912 BENCH COMPOSITE MODEL

FARO PCMINE RESERVES

F8908 BENCH COMPOSITE MODEL

017432

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 1 V1 - Surface Topography Start-up of mining (inc. 88 ddh data)
 BOTTOM SURFACE GRID RECORD : 3 V3 - VIV Dec 1988 Ultimate Pit (merged to V1)

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

BENCH	CREST [m]	TOE [m]	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	A V E R A G E G R A D E S				ECONOMIC FACTOR [Cdn \$ x1000]	
						[Pb+Zn%]	[Pb %]	[Zn %]	[Ag g/t]		[Au g/t]
1	1230.00	1224.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
2	1224.00	1218.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	1218.00	1212.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	1212.00	1206.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	1206.00	1200.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	1200.00	1194.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	1194.00	1188.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	1188.00	1182.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
9	1182.00	1176.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
10	1176.00	1170.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
11	1170.00	1164.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
12	1164.00	1158.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
13	1158.00	1152.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
14	1152.00	1146.00	2.32	3.789	8.78	3.491	1.503	1.988	25.249	.735	.00
15	1146.00	1140.00	9.56	3.717	35.53	3.405	1.524	1.880	24.275	.798	.00
16	1140.00	1134.00	8.15	3.705	30.21	3.422	1.552	1.870	23.711	.716	.00
17	1134.00	1128.00	6.93	3.584	24.82	3.573	1.688	1.885	24.931	1.136	.00
18	1128.00	1122.00	10.05	3.332	33.47	3.373	1.351	2.022	23.934	.872	.00
19	1122.00	1116.00	10.29	3.652	37.57	3.428	1.475	1.953	26.336	.713	.00
20	1116.00	1110.00	14.01	3.234	45.32	3.486	1.482	2.004	22.324	.624	.00
21	1110.00	1104.00	26.75	2.992	80.04	3.502	1.416	2.085	21.161	.466	.00
22	1104.00	1098.00	16.87	2.848	48.04	3.515	1.384	2.131	20.352	.480	.00
23	1098.00	1092.00	13.58	2.961	40.21	3.495	1.445	2.050	20.829	.531	.00
24	1092.00	1086.00	7.00	3.280	22.94	3.431	1.668	1.763	22.425	.574	.00
25	1086.00	1080.00	17.84	3.092	55.18	3.467	1.561	1.906	21.773	.655	.00
26	1080.00	1074.00	1.45	3.539	5.15	3.583	1.888	1.695	23.789	.747	.00
27	1074.00	1068.00	.74	3.999	2.96	3.840	2.145	1.695	26.899	1.703	.00
28	1068.00	1062.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
29	1062.00	1056.00	.61	3.709	2.26	3.514	1.584	1.930	25.962	.844	.00
30	1056.00	1050.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
31	1050.00	1044.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
32	1044.00	1038.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
33	1038.00	1032.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
34	1032.00	1026.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
35	1026.00	1020.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
36	1020.00	1014.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
37	1014.00	1008.00	.00	.000	.00	.000	.000	.000	.000	.000	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 1 V1 - Surface Topography Start-up of mining (inc. 88 ddh data)
 BOTTOM SURFACE GRID RECORD : 3 V3 - VIV Dec 1988 Ultimate Fit (merged to V1)

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

BENCH	CREST [m]	TOE [m]	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	A V E R A G E G R A D E S					ECONOMIC FACTOR [Cdn \$ x1000]
						[Pb+Zn%]	[Pb %]	[Zn %]	[Ag g/t]	[Au g/t]	
1	1230.00	1224.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
2	1224.00	1218.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	1218.00	1212.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	1212.00	1206.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	1206.00	1200.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	1200.00	1194.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	1194.00	1188.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	1188.00	1182.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
9	1182.00	1176.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
10	1176.00	1170.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
11	1170.00	1164.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
12	1164.00	1158.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
13	1158.00	1152.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
14	1152.00	1146.00	24.61	3.835	94.37	8.802	3.682	5.120	52.020	.572	.00
15	1146.00	1140.00	86.36	3.866	333.85	8.996	3.744	5.252	52.701	.579	.00
16	1140.00	1134.00	131.16	3.952	518.29	9.082	3.894	5.188	55.768	.679	.00
17	1134.00	1128.00	123.59	3.976	491.45	8.252	3.654	4.598	52.826	.684	.00
18	1128.00	1122.00	83.25	3.896	324.36	8.819	3.866	4.953	55.590	.700	.00
19	1122.00	1116.00	111.04	3.778	419.56	8.760	3.678	5.081	52.014	.715	.00
20	1116.00	1110.00	136.55	3.648	498.09	8.715	3.718	4.996	52.167	.699	.00
21	1110.00	1104.00	139.50	3.599	502.06	8.843	3.778	5.065	53.257	.766	.00
22	1104.00	1098.00	137.01	3.700	506.89	8.826	3.854	4.972	54.773	.852	.00
23	1098.00	1092.00	139.99	4.006	560.80	9.797	4.373	5.423	62.626	.859	.00
24	1092.00	1086.00	111.10	4.203	466.98	10.241	4.549	5.692	62.378	.820	.00
25	1086.00	1080.00	93.24	4.068	379.30	9.735	4.261	5.474	59.426	.784	.00
26	1080.00	1074.00	102.37	4.204	430.32	10.349	4.535	5.814	64.290	.800	.00
27	1074.00	1068.00	84.06	4.122	346.47	9.412	4.253	5.159	60.232	.832	.00
28	1068.00	1062.00	69.89	4.205	293.87	9.433	4.280	5.153	60.700	.738	.00
29	1062.00	1056.00	43.73	4.136	180.84	8.742	3.955	4.787	56.643	.835	.00
30	1056.00	1050.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
31	1050.00	1044.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
32	1044.00	1038.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
33	1038.00	1032.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
34	1032.00	1026.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
35	1026.00	1020.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
36	1020.00	1014.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
37	1014.00	1008.00	.00	.000	.00	.000	.000	.000	.000	.000	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 1 V1 - Surface Topography Start-up of mining (inc. 88 ddh data)
 BOTTOM SURFACE GRID RECORD : 3 V3 - VIV Dec 1988 Ultimate Pit (merged to V1)

BENCH TOTALS FOR ALL MATERIAL

BENCH	CREST	TOE	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	A V E R A G E G R A D E S				ECONOMIC FACTOR [Cdn \$ x1000]	
	[m]	[m]				[Pb+Zn%]	[Pb %]	[Zn %]	[Ag g/t]		[Au g/t]
1	1230.00	1224.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
2	1224.00	1218.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	1218.00	1212.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	1212.00	1206.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	1206.00	1200.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	1200.00	1194.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	1194.00	1188.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	1188.00	1182.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
9	1182.00	1176.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
10	1176.00	1170.00	5.73	2.172	12.44	.000	.000	.000	.000	.000	.00
11	1170.00	1164.00	66.73	2.162	144.25	.000	.000	.000	.000	.000	.00
12	1164.00	1158.00	185.99	2.138	397.57	.000	.000	.000	.000	.000	.00
13	1158.00	1152.00	451.62	2.138	965.68	.000	.000	.000	.000	.000	.00
14	1152.00	1146.00	739.13	2.227	1646.12	.555	.232	.323	3.423	.043	.00
15	1146.00	1140.00	928.13	2.433	2258.30	1.464	.613	.851	8.912	.121	.00
16	1140.00	1134.00	897.98	2.586	2321.81	2.173	.935	1.238	13.698	.193	.00
17	1134.00	1128.00	843.30	2.621	2210.05	2.018	.895	1.123	13.305	.215	.00
18	1128.00	1122.00	681.75	2.618	1784.58	1.829	.802	1.027	12.214	.202	.00
19	1122.00	1116.00	639.60	2.784	1780.47	2.375	1.001	1.374	15.153	.270	.00
20	1116.00	1110.00	516.02	2.931	1512.70	3.173	1.354	1.819	19.653	.310	.00
21	1110.00	1104.00	469.22	3.029	1421.47	3.550	1.509	2.042	21.926	.384	.00
22	1104.00	1098.00	374.12	3.158	1181.45	4.179	1.818	2.362	26.674	.507	.00
23	1098.00	1092.00	347.70	3.331	1158.32	5.058	2.254	2.804	33.098	.541	.00
24	1092.00	1086.00	275.12	3.434	944.89	5.332	2.377	2.955	33.386	.530	.00
25	1086.00	1080.00	247.74	3.404	843.36	4.898	2.164	2.735	31.001	.572	.00
26	1080.00	1074.00	169.67	3.725	632.05	7.253	3.196	4.057	45.843	.662	.00
27	1074.00	1068.00	145.98	3.644	532.01	6.342	2.878	3.464	41.386	.675	.00
28	1068.00	1062.00	91.84	3.982	365.72	7.763	3.537	4.226	50.955	.718	.00
29	1062.00	1056.00	63.85	4.002	255.55	6.701	3.068	3.633	45.347	.874	.00
30	1056.00	1050.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
31	1050.00	1044.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
32	1044.00	1038.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
33	1038.00	1032.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
34	1032.00	1026.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
35	1026.00	1020.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
36	1020.00	1014.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
37	1014.00	1008.00	.00	.000	.00	.000	.000	.000	.000	.000	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 1 V1 - Surface Topography Start-up of mining (inc. 88 ddh data)
 BOTTOM SURFACE GRID RECORD : 3 V3 - VIV Dec 1988 Ultimate Fit (merged to V1)

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

BENCH	CREST [m]	TOE [m]	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES				ECONOMIC FACTOR [Cdn \$ x1000]	
						[Pb+Zn%]	[Pb %]	[Zn %]	[Ag g/t]		[Au g/t]
1	1230.00	1224.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
2	1224.00	1218.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	1218.00	1212.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	1212.00	1206.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	1206.00	1200.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	1200.00	1194.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	1194.00	1188.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	1188.00	1182.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
9	1182.00	1176.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
10	1176.00	1170.00	5.73	2.172	12.44	.000	.000	.000	.000	.000	.00
11	1170.00	1164.00	66.73	2.162	144.25	.000	.000	.000	.000	.000	.00
12	1164.00	1158.00	185.99	2.138	397.57	.000	.000	.000	.000	.000	.00
13	1158.00	1152.00	451.62	2.138	965.68	.000	.000	.000	.000	.000	.00
14	1152.00	1146.00	714.52	2.172	1551.76	.053	.023	.031	.468	.010	.00
15	1146.00	1140.00	841.77	2.286	1924.46	.158	.070	.087	1.316	.041	.00
16	1140.00	1134.00	766.82	2.352	1803.52	.188	.084	.103	1.608	.053	.00
17	1134.00	1128.00	719.70	2.388	1718.60	.236	.106	.129	2.003	.082	.00
18	1128.00	1122.00	598.49	2.440	1460.22	.276	.122	.155	2.579	.092	.00
19	1122.00	1116.00	528.55	2.575	1360.90	.406	.175	.231	3.789	.133	.00
20	1116.00	1110.00	379.47	2.674	1014.61	.452	.193	.259	3.691	.120	.00
21	1110.00	1104.00	329.72	2.788	919.41	.660	.269	.391	4.817	.176	.00
22	1104.00	1098.00	237.11	2.845	674.56	.688	.287	.400	5.559	.248	.00
23	1098.00	1092.00	207.72	2.877	597.52	.610	.265	.345	5.385	.242	.00
24	1092.00	1086.00	164.02	2.914	477.91	.536	.254	.282	5.057	.247	.00
25	1086.00	1080.00	154.50	3.004	464.05	.945	.449	.496	7.768	.399	.00
26	1080.00	1074.00	67.30	2.997	201.73	.650	.340	.310	6.495	.366	.00
27	1074.00	1068.00	61.92	2.996	185.54	.610	.311	.299	6.194	.382	.00
28	1068.00	1062.00	21.95	3.273	71.86	.934	.499	.436	11.099	.637	.00
29	1062.00	1056.00	20.12	3.713	74.71	1.762	.923	.840	18.007	.968	.00
30	1056.00	1050.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
31	1050.00	1044.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
32	1044.00	1038.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
33	1038.00	1032.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
34	1032.00	1026.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
35	1026.00	1020.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
36	1020.00	1014.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
37	1014.00	1008.00	.00	.000	.00	.000	.000	.000	.000	.000	.00

38	1008.00	1002.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.00
39	1002.00	996.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.00
40	996.00	990.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.00
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TOTAL FOR ALL BENCHES			6523.77	2.456	16021.28	.319	.142	.177	2.764			.11
TOTAL FOR ALL BENCHES			.00									
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MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 1 V1 - Surface Topography Start-up of mining (inc. 88 ddh data)
 BOTTOM SURFACE GRID RECORD : 3 V3 - VIV Dec 1988 Ultimate Pit (merged to V1)

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

BENCH	CREST [m]	TOE [m]	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES					ECONOMIC FACTOR [Cdn \$ x1000]
						[Pb+Zn%]	[Pb %]	[Zn %]	[Ag g/t]	[Au g/t]	
1	1230.00	1224.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
2	1224.00	1218.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	1218.00	1212.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	1212.00	1206.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	1206.00	1200.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	1200.00	1194.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	1194.00	1188.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	1188.00	1182.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
9	1182.00	1176.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
10	1176.00	1170.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
11	1170.00	1164.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
12	1164.00	1158.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
13	1158.00	1152.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
14	1152.00	1146.00	.82	3.886	3.20	4.585	2.771	1.814	7.249	.158	.00
15	1146.00	1140.00	5.76	3.552	20.46	4.529	2.226	2.302	20.229	.437	.00
16	1140.00	1134.00	5.63	3.720	20.95	4.471	1.992	2.479	29.505	.898	.00
17	1134.00	1128.00	7.39	3.439	25.40	4.540	1.930	2.610	27.023	.678	.00
18	1128.00	1122.00	7.41	3.117	23.09	4.486	1.731	2.756	26.558	.485	.00
19	1122.00	1116.00	15.18	3.092	46.93	4.601	1.828	2.773	26.429	.452	.00
20	1116.00	1110.00	21.13	3.118	65.88	4.462	1.807	2.655	26.815	.438	.00
21	1110.00	1104.00	13.82	2.920	40.36	4.481	1.771	2.710	26.271	.458	.00
22	1104.00	1098.00	15.52	2.901	45.03	4.473	1.798	2.675	25.699	.486	.00
23	1098.00	1092.00	14.81	2.914	43.16	4.445	1.849	2.597	25.796	.523	.00
24	1092.00	1086.00	3.29	3.201	10.54	4.258	1.990	2.268	27.155	.523	.00
25	1086.00	1080.00	7.50	3.385	25.40	4.430	2.065	2.366	28.069	.716	.00
26	1080.00	1074.00	2.94	3.504	10.28	4.346	1.991	2.355	27.582	.741	.00
27	1074.00	1068.00	3.29	3.148	10.36	4.718	1.688	3.030	25.720	.780	.00
28	1068.00	1062.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
29	1062.00	1056.00	1.23	3.666	4.53	4.606	1.902	2.704	28.343	.783	.00
30	1056.00	1050.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
31	1050.00	1044.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
32	1044.00	1038.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
33	1038.00	1032.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
34	1032.00	1026.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
35	1026.00	1020.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
36	1020.00	1014.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
37	1014.00	1008.00	.00	.000	.00	.000	.000	.000	.000	.000	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 1 V1 - Surface Topography Start-up of mining (inc. 88 ddh data)
 BOTTOM SURFACE GRID RECORD : 3 V3 - VIV Dec 1988 Ultimate Pit (merged to V1)

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

BENCH	CREST [m]	TOE [m]	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES				ECONOMIC FACTOR [Cdn \$ x1000]	
						[Pb+Zn%]	[Pb %]	[Zn %]	[Ag g/t]		[Au g/t]
1	1230.00	1224.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
2	1224.00	1218.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	1218.00	1212.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	1212.00	1206.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	1206.00	1200.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	1200.00	1194.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	1194.00	1188.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	1188.00	1182.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
9	1182.00	1176.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
10	1176.00	1170.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
11	1170.00	1164.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
12	1164.00	1158.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
13	1158.00	1152.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
14	1152.00	1146.00	23.78	3.833	91.17	8.950	3.714	5.236	53.590	.586	.00
15	1146.00	1140.00	80.60	3.888	313.39	9.287	3.843	5.444	54.820	.588	.00
16	1140.00	1134.00	125.53	3.962	497.34	9.276	3.974	5.302	56.875	.670	.00
17	1134.00	1128.00	116.21	4.010	466.05	8.455	3.748	4.706	54.232	.684	.00
18	1128.00	1122.00	75.84	3.972	301.27	9.151	4.030	5.121	57.815	.717	.00
19	1122.00	1116.00	95.87	3.887	372.63	9.284	3.911	5.372	55.237	.748	.00
20	1116.00	1110.00	115.42	3.745	432.21	9.363	4.010	5.353	56.031	.739	.00
21	1110.00	1104.00	125.68	3.674	461.71	9.224	3.953	5.271	55.616	.793	.00
22	1104.00	1098.00	121.49	3.802	461.86	9.251	4.054	5.196	57.608	.888	.00
23	1098.00	1092.00	125.17	4.135	517.64	10.243	4.584	5.659	65.696	.887	.00
24	1092.00	1086.00	107.81	4.234	456.44	10.379	4.608	5.771	63.191	.827	.00
25	1086.00	1080.00	85.74	4.128	353.91	10.116	4.419	5.697	61.676	.789	.00
26	1080.00	1074.00	99.43	4.224	420.03	10.495	4.597	5.899	65.189	.802	.00
27	1074.00	1068.00	80.77	4.162	336.11	9.556	4.332	5.224	61.296	.834	.00
28	1068.00	1062.00	69.89	4.205	293.87	9.433	4.280	5.153	60.700	.738	.00
29	1062.00	1056.00	42.49	4.149	176.31	8.848	4.008	4.840	57.369	.836	.00
30	1056.00	1050.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
31	1050.00	1044.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
32	1044.00	1038.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
33	1038.00	1032.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
34	1032.00	1026.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
35	1026.00	1020.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
36	1020.00	1014.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
37	1014.00	1008.00	.00	.000	.00	.000	.000	.000	.000	.000	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 1 V1 - Surface Topography Start-up of mining (inc. 88 ddh data)
 BOTTOM SURFACE GRID RECORD : 3 V3 - VIV Dec 1988 Ultimate Fit (merged to V1)

BENCH TOTALS FOR ALL MATERIAL

BENCH	CREST	TOE	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	A V E R A G E G R A D E S					ECONOMIC FACTOR [Cdn \$ x1000]
	[m]	[m]				[Pb+Zn%]	[Pb %]	[Zn %]	[Ag g/t]	[Au g/t]	
1	1230.00	1224.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
2	1224.00	1218.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	1218.00	1212.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	1212.00	1206.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	1206.00	1200.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	1200.00	1194.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	1194.00	1188.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	1188.00	1182.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
9	1182.00	1176.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
10	1176.00	1170.00	5.73	2.172	12.44	.000	.000	.000	.000	.000	.00
11	1170.00	1164.00	66.73	2.162	144.25	.000	.000	.000	.000	.000	.00
12	1164.00	1158.00	185.99	2.138	397.57	.000	.000	.000	.000	.000	.00
13	1158.00	1152.00	451.62	2.138	965.68	.000	.000	.000	.000	.000	.00
14	1152.00	1146.00	739.13	2.227	1646.12	.555	.232	.323	3.423	.043	.00
15	1146.00	1140.00	928.13	2.433	2258.30	1.464	.613	.851	8.912	.121	.00
16	1140.00	1134.00	897.98	2.586	2321.81	2.173	.935	1.238	13.698	.193	.00
17	1134.00	1128.00	843.30	2.621	2210.05	2.018	.895	1.123	13.305	.215	.00
18	1128.00	1122.00	681.75	2.618	1784.58	1.829	.802	1.027	12.214	.202	.00
19	1122.00	1116.00	639.60	2.784	1780.47	2.375	1.001	1.374	15.153	.270	.00
20	1116.00	1110.00	516.02	2.931	1512.70	3.173	1.354	1.819	19.653	.310	.00
21	1110.00	1104.00	469.22	3.029	1421.47	3.550	1.509	2.042	21.926	.384	.00
22	1104.00	1098.00	374.12	3.158	1181.45	4.179	1.818	2.362	26.674	.507	.00
23	1098.00	1092.00	347.70	3.331	1158.32	5.058	2.254	2.804	33.098	.541	.00
24	1092.00	1086.00	275.12	3.434	944.89	5.332	2.377	2.955	33.386	.530	.00
25	1086.00	1080.00	247.74	3.404	843.36	4.898	2.164	2.735	31.001	.572	.00
26	1080.00	1074.00	169.67	3.725	632.05	7.253	3.196	4.057	45.843	.662	.00
27	1074.00	1068.00	145.98	3.644	532.01	6.342	2.878	3.464	41.386	.675	.00
28	1068.00	1062.00	91.84	3.982	365.72	7.763	3.537	4.226	50.955	.718	.00
29	1062.00	1056.00	63.85	4.002	255.55	6.701	3.068	3.633	45.347	.874	.00
30	1056.00	1050.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
31	1050.00	1044.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
32	1044.00	1038.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
33	1038.00	1032.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
34	1032.00	1026.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
35	1026.00	1020.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
36	1020.00	1014.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
37	1014.00	1008.00	.00	.000	.00	.000	.000	.000	.000	.000	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 1 V1 - Surface Topography Start-up of mining (inc. 88 ddh data)
 BOTTOM SURFACE GRID RECORD : 3 V3 - VIV Dec 1988 Ultimate Fit (merged to V1)

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

BENCH	CREST [m]	TOE [m]	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES				ECONOMIC FACTOR [Cdn \$ x1000]	
						[Pb+Zn%]	[Pb %]	[Zn %]	[Ag g/t]		[Au g/t]
1	1230.00	1224.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
2	1224.00	1218.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	1218.00	1212.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	1212.00	1206.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	1206.00	1200.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	1200.00	1194.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	1194.00	1188.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	1188.00	1182.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
9	1182.00	1176.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
10	1176.00	1170.00	5.73	2.172	12.44	.000	.000	.000	.000	.000	.00
11	1170.00	1164.00	66.73	2.162	144.25	.000	.000	.000	.000	.000	.00
12	1164.00	1158.00	185.99	2.138	397.57	.000	.000	.000	.000	.000	.00
13	1158.00	1152.00	451.62	2.138	965.68	.000	.000	.000	.000	.000	.00
14	1152.00	1146.00	712.20	2.166	1542.97	.034	.014	.020	.326	.006	.00
15	1146.00	1140.00	832.21	2.270	1888.93	.097	.043	.054	.884	.027	.00
16	1140.00	1134.00	758.66	2.337	1773.31	.133	.059	.073	1.231	.042	.00
17	1134.00	1128.00	712.77	2.376	1693.78	.187	.083	.104	1.667	.066	.00
18	1128.00	1122.00	588.45	2.425	1426.74	.204	.093	.111	2.078	.073	.00
19	1122.00	1116.00	518.27	2.553	1323.34	.321	.138	.182	3.149	.117	.00
20	1116.00	1110.00	365.46	2.652	969.29	.310	.133	.177	2.820	.096	.00
21	1110.00	1104.00	302.98	2.770	839.37	.389	.160	.229	3.258	.148	.00
22	1104.00	1098.00	220.24	2.845	626.52	.471	.203	.268	4.425	.230	.00
23	1098.00	1092.00	194.14	2.871	557.30	.402	.179	.223	4.270	.221	.00
24	1092.00	1086.00	157.03	2.897	454.97	.390	.183	.207	4.181	.230	.00
25	1086.00	1080.00	136.65	2.992	408.87	.604	.299	.305	5.878	.365	.00
26	1080.00	1074.00	65.85	2.985	196.58	.574	.300	.274	6.042	.356	.00
27	1074.00	1068.00	61.18	2.984	182.57	.557	.281	.276	5.858	.360	.00
28	1068.00	1062.00	21.95	3.273	71.86	.934	.499	.436	11.099	.637	.00
29	1062.00	1056.00	19.51	3.713	72.45	1.707	.902	.805	17.758	.971	.00
30	1056.00	1050.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
31	1050.00	1044.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
32	1044.00	1038.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
33	1038.00	1032.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
34	1032.00	1026.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
35	1026.00	1020.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
36	1020.00	1014.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
37	1014.00	1008.00	.00	.000	.00	.000	.000	.000	.000	.000	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 1 V1 - Surface Topography Start-up of mining (inc. 88 ddh data)
 BOTTOM SURFACE GRID RECORD : 3 V3 - VIV Dec 1988 Ultimate Pit (merged to V1)

BENCH TOTALS FOR STOCKPILE FROM 3.0000 [Pb+Zn%] TO 5.0000 [Pb+Zn%]

BENCH	CREST [m]	TOE [m]	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES				ECONOMIC FACTOR [Cdn \$ x1000]	
						[Pb+Zn%]	[Pb %]	[Zn %]	[Ag g/t]		[Au g/t]
1	1230.00	1224.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
2	1224.00	1218.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	1218.00	1212.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	1212.00	1206.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	1206.00	1200.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	1200.00	1194.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	1194.00	1188.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	1188.00	1182.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
9	1182.00	1176.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
10	1176.00	1170.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
11	1170.00	1164.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
12	1164.00	1158.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
13	1158.00	1152.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
14	1152.00	1146.00	3.14	3.815	11.98	3.783	1.841	1.942	20.444	.581	.00
15	1146.00	1140.00	15.32	3.655	55.99	3.815	1.781	2.034	22.797	.666	.00
16	1140.00	1134.00	13.78	3.711	51.16	3.852	1.732	2.119	26.083	.790	.00
17	1134.00	1128.00	14.31	3.509	50.22	4.062	1.810	2.252	25.989	.904	.00
18	1128.00	1122.00	17.45	3.241	56.56	3.827	1.506	2.321	25.005	.714	.00
19	1122.00	1116.00	25.46	3.318	84.50	4.080	1.671	2.408	26.388	.568	.00
20	1116.00	1110.00	35.14	3.164	111.20	4.065	1.675	2.390	24.985	.514	.00
21	1110.00	1104.00	40.57	2.968	120.39	3.830	1.535	2.295	22.874	.464	.00
22	1104.00	1098.00	32.39	2.873	93.07	3.979	1.585	2.394	22.939	.483	.00
23	1098.00	1092.00	28.39	2.937	83.37	3.987	1.654	2.333	23.400	.527	.00
24	1092.00	1086.00	10.29	3.254	33.48	3.691	1.769	1.922	23.913	.558	.00
25	1086.00	1080.00	25.35	3.179	80.58	3.771	1.720	2.051	23.758	.674	.00
26	1080.00	1074.00	4.39	3.515	15.43	4.091	1.956	2.135	26.317	.743	.00
27	1074.00	1068.00	4.03	3.304	13.32	4.523	1.790	2.733	25.982	.985	.00
28	1068.00	1062.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
29	1062.00	1056.00	1.84	3.680	6.79	4.242	1.796	2.446	27.549	.803	.00
30	1056.00	1050.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
31	1050.00	1044.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
32	1044.00	1038.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
33	1038.00	1032.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
34	1032.00	1026.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
35	1026.00	1020.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
36	1020.00	1014.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
37	1014.00	1008.00	.00	.000	.00	.000	.000	.000	.000	.000	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 1 V1 - Surface Topography Start-up of mining (inc. 88 ddh data)
 BOTTOM SURFACE GRID RECORD : 3 V3 - VIV Dec 1988 Ultimate Pit (merged to V1)

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

BENCH	CREST [m]	TOE [m]	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	A V E R A G E G R A D E S					ECONOMIC FACTOR [Cdn \$ x1000]
						[Pb+Zn%]	[Pb %]	[Zn %]	[Ag g/t]	[Au g/t]	
1	1230.00	1224.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
2	1224.00	1218.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	1218.00	1212.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	1212.00	1206.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	1206.00	1200.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	1200.00	1194.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	1194.00	1188.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	1188.00	1182.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
9	1182.00	1176.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
10	1176.00	1170.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
11	1170.00	1164.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
12	1164.00	1158.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
13	1158.00	1152.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
14	1152.00	1146.00	23.78	3.833	91.17	8.950	3.714	5.236	53.590	.586	.00
15	1146.00	1140.00	80.60	3.888	313.39	9.287	3.843	5.444	54.820	.588	.00
16	1140.00	1134.00	125.53	3.962	497.34	9.276	3.974	5.302	56.875	.670	.00
17	1134.00	1128.00	116.21	4.010	466.05	8.455	3.748	4.706	54.232	.684	.00
18	1128.00	1122.00	75.84	3.972	301.27	9.151	4.030	5.121	57.815	.717	.00
19	1122.00	1116.00	95.87	3.887	372.63	9.284	3.911	5.372	55.237	.748	.00
20	1116.00	1110.00	115.42	3.745	432.21	9.363	4.010	5.353	56.031	.739	.00
21	1110.00	1104.00	125.68	3.674	461.71	9.224	3.953	5.271	55.616	.793	.00
22	1104.00	1098.00	121.49	3.802	461.86	9.251	4.054	5.196	57.608	.888	.00
23	1098.00	1092.00	125.17	4.135	517.64	10.243	4.584	5.659	65.696	.887	.00
24	1092.00	1086.00	107.81	4.234	456.44	10.379	4.608	5.771	63.191	.827	.00
25	1086.00	1080.00	85.74	4.128	353.91	10.116	4.419	5.697	61.676	.789	.00
26	1080.00	1074.00	99.43	4.224	420.03	10.495	4.597	5.899	65.189	.802	.00
27	1074.00	1068.00	80.77	4.162	336.11	9.556	4.332	5.224	61.296	.834	.00
28	1068.00	1062.00	69.89	4.205	293.87	9.433	4.280	5.153	60.700	.738	.00
29	1062.00	1056.00	42.49	4.149	176.31	8.848	4.008	4.840	57.369	.836	.00
30	1056.00	1050.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
31	1050.00	1044.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
32	1044.00	1038.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
33	1038.00	1032.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
34	1032.00	1026.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
35	1026.00	1020.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
36	1020.00	1014.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
37	1014.00	1008.00	.00	.000	.00	.000	.000	.000	.000	.000	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 1 V1 - Surface Topography Start-up of mining (inc. 88 ddh data)
 BOTTOM SURFACE GRID RECORD : 3 V3 - VIV Dec 1988 Ultimate Pit (merged to V1)

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

BENCH	CREST [m]	TOE [m]	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	A V E R A G E G R A D E S				ECONOMIC FACTOR [Cdn \$ x1000]	
						[Pb+Zn%]	[Pb %]	[Zn %]	[Ag g/t]		[Au g/t]
1	1230.00	1224.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
2	1224.00	1218.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	1218.00	1212.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	1212.00	1206.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	1206.00	1200.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	1200.00	1194.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	1194.00	1188.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	1188.00	1182.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
9	1182.00	1176.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
10	1176.00	1170.00	5.73	2.172	12.44	.000	.000	.000	.000	.000	.00
11	1170.00	1164.00	66.73	2.162	144.25	.000	.000	.000	.000	.000	.00
12	1164.00	1158.00	185.99	2.138	397.57	.000	.000	.000	.000	.000	.00
13	1158.00	1152.00	451.62	2.138	965.68	.000	.000	.000	.000	.000	.00
14	1152.00	1146.00	714.52	2.172	1551.76	.053	.023	.031	.468	.010	.00
15	1146.00	1140.00	841.77	2.286	1924.46	.158	.070	.087	1.316	.041	.00
16	1140.00	1134.00	766.82	2.352	1803.52	.188	.084	.103	1.608	.053	.00
17	1134.00	1128.00	719.70	2.388	1718.60	.236	.106	.129	2.003	.082	.00
18	1128.00	1122.00	598.49	2.440	1460.22	.276	.122	.155	2.579	.092	.00
19	1122.00	1116.00	528.55	2.575	1360.90	.406	.175	.231	3.789	.133	.00
20	1116.00	1110.00	379.47	2.674	1014.61	.452	.193	.259	3.691	.120	.00
21	1110.00	1104.00	329.72	2.788	919.41	.660	.269	.391	4.817	.176	.00
22	1104.00	1098.00	237.11	2.845	674.56	.688	.287	.400	5.559	.248	.00
23	1098.00	1092.00	207.72	2.877	597.52	.610	.265	.345	5.385	.242	.00
24	1092.00	1086.00	164.02	2.914	477.91	.536	.254	.282	5.057	.247	.00
25	1086.00	1080.00	154.50	3.004	464.05	.945	.449	.496	7.768	.399	.00
26	1080.00	1074.00	67.30	2.997	201.73	.650	.340	.310	6.495	.366	.00
27	1074.00	1068.00	61.92	2.996	185.54	.610	.311	.299	6.194	.382	.00
28	1068.00	1062.00	21.95	3.273	71.86	.934	.499	.436	11.099	.637	.00
29	1062.00	1056.00	20.12	3.713	74.71	1.762	.923	.840	18.007	.968	.00
30	1056.00	1050.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
31	1050.00	1044.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
32	1044.00	1038.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
33	1038.00	1032.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
34	1032.00	1026.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
35	1026.00	1020.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
36	1020.00	1014.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
37	1014.00	1008.00	.00	.000	.00	.000	.000	.000	.000	.000	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 1 V1 - Surface Topography Start-up of mining (inc. 88 ddh data)
 BOTTOM SURFACE GRID RECORD : 3 V3 - VIV Dec 1988 Ultimate Pit (merged to V1)

BENCH TOTALS FOR STOCKPILE FROM 4.0000 [Pb+Zn%] TO 6.0000 [Pb+Zn%]

BENCH	CREST	TOE	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	A V E R A G E G R A D E S				ECONOMIC FACTOR [Cdn \$ x1000]	
	[m]	[m]				[Pb+Zn%]	[Pb %]	[Zn %]	[Ag g/t]		[Au g/t]
1	1230.00	1224.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
2	1224.00	1218.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	1218.00	1212.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	1212.00	1206.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	1206.00	1200.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	1200.00	1194.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	1194.00	1188.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	1188.00	1182.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
9	1182.00	1176.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
10	1176.00	1170.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
11	1170.00	1164.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
12	1164.00	1158.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
13	1158.00	1152.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
14	1152.00	1146.00	2.88	3.291	9.48	5.103	2.135	2.968	14.639	.297	.00
15	1146.00	1140.00	13.58	3.321	45.10	5.074	2.056	3.018	24.412	.409	.00
16	1140.00	1134.00	9.75	3.509	34.19	4.890	2.037	2.853	27.159	.733	.00
17	1134.00	1128.00	15.47	3.403	52.65	5.076	2.038	3.038	29.015	.541	.00
18	1128.00	1122.00	15.60	3.268	50.96	5.026	2.001	3.025	31.511	.504	.00
19	1122.00	1116.00	31.22	3.129	97.69	5.072	1.977	3.095	29.602	.491	.00
20	1116.00	1110.00	41.50	3.059	126.96	4.914	1.927	2.988	28.403	.455	.00
21	1110.00	1104.00	36.22	2.879	104.26	5.118	2.033	3.085	29.194	.519	.00
22	1104.00	1098.00	35.61	2.905	103.45	5.067	2.054	3.013	28.843	.533	.00
23	1098.00	1092.00	20.53	2.938	60.30	4.691	1.978	2.713	27.038	.547	.00
24	1092.00	1086.00	3.29	3.201	10.54	4.258	1.990	2.268	27.155	.523	.00
25	1086.00	1080.00	12.54	3.244	40.67	4.762	2.092	2.670	28.988	.711	.00
26	1080.00	1074.00	4.33	3.470	15.02	4.660	2.041	2.619	28.775	.845	.00
27	1074.00	1068.00	9.05	3.227	29.21	5.115	1.938	3.177	29.001	.806	.00
28	1068.00	1062.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
29	1062.00	1056.00	1.97	3.779	7.44	5.058	2.408	2.650	33.138	.961	.00
30	1056.00	1050.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
31	1050.00	1044.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
32	1044.00	1038.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
33	1038.00	1032.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
34	1032.00	1026.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
35	1026.00	1020.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
36	1020.00	1014.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
37	1014.00	1008.00	.00	.000	.00	.000	.000	.000	.000	.000	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 1 V1 - Surface Topography Start-up of mining (inc. 88 ddh data)
 BOTTOM SURFACE GRID RECORD : 3 V3 - VIV Dec 1988 Ultimate Pit (merged to V1)

BENCH TOTALS FOR ORE ABOVE 6.0000 [Pb+Zn%]

BENCH	CREST [m]	TOE [m]	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES				ECONOMIC FACTOR [Cdn \$ x1000]	
						[Pb+Zn%]	[Pb %]	[Zn %]	[Ag g/t]		[Au g/t]
1	1230.00	1224.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
2	1224.00	1218.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	1218.00	1212.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	1212.00	1206.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	1206.00	1200.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	1200.00	1194.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	1194.00	1188.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	1188.00	1182.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
9	1182.00	1176.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
10	1176.00	1170.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
11	1170.00	1164.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
12	1164.00	1158.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
13	1158.00	1152.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
14	1152.00	1146.00	21.73	3.907	84.89	9.215	3.854	5.361	56.194	.603	.00
15	1146.00	1140.00	72.78	3.968	288.75	9.608	4.007	5.601	57.119	.605	.00
16	1140.00	1134.00	121.41	3.987	484.09	9.378	4.025	5.353	57.789	.675	.00
17	1134.00	1128.00	108.12	4.058	438.80	8.634	3.848	4.785	55.682	.701	.00
18	1128.00	1122.00	67.65	4.041	273.40	9.526	4.214	5.312	60.079	.737	.00
19	1122.00	1116.00	79.82	4.032	321.86	9.879	4.195	5.684	58.817	.783	.00
20	1116.00	1110.00	95.05	3.905	371.13	10.015	4.331	5.683	60.296	.782	.00
21	1110.00	1104.00	103.28	3.852	397.80	9.819	4.235	5.584	59.564	.831	.00
22	1104.00	1098.00	101.40	3.979	403.44	9.790	4.316	5.475	61.423	.934	.00
23	1098.00	1092.00	119.46	4.190	500.51	10.412	4.662	5.750	66.913	.896	.00
24	1092.00	1086.00	107.81	4.234	456.44	10.379	4.608	5.771	63.191	.827	.00
25	1086.00	1080.00	80.70	4.196	338.63	10.332	4.522	5.810	63.082	.793	.00
26	1080.00	1074.00	98.04	4.236	415.30	10.554	4.625	5.929	65.574	.799	.00
27	1074.00	1068.00	75.01	4.230	317.26	9.807	4.466	5.341	63.107	.835	.00
28	1068.00	1062.00	69.89	4.205	293.87	9.433	4.280	5.153	60.700	.738	.00
29	1062.00	1056.00	41.76	4.152	173.40	8.900	4.021	4.878	57.651	.830	.00
30	1056.00	1050.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
31	1050.00	1044.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
32	1044.00	1038.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
33	1038.00	1032.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
34	1032.00	1026.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
35	1026.00	1020.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
36	1020.00	1014.00	.00	.000	.00	.000	.000	.000	.000	.000	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 1 V1 - Surface Topography Start-up of mining (inc. 88 ddh data)
 BOTTOM SURFACE GRID RECORD : 3 V3 - VIV Dec 1988 Ultimate Pit (merged to V1)

BENCH TOTALS FOR ALL MATERIAL

BENCH	CREST	TOE	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	A V E R A G E G R A D E S					ECONOMIC FACTOR [Cdn \$ x1000]
	[m]	[m]				[Pb+Zn%]	[Pb %]	[Zn %]	[Ag g/t]	[Au g/t]	
1	1230.00	1224.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
2	1224.00	1218.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	1218.00	1212.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	1212.00	1206.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	1206.00	1200.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	1200.00	1194.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	1194.00	1188.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	1188.00	1182.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
9	1182.00	1176.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
10	1176.00	1170.00	5.73	2.172	12.44	.000	.000	.000	.000	.000	.00
11	1170.00	1164.00	66.73	2.162	144.25	.000	.000	.000	.000	.000	.00
12	1164.00	1158.00	185.99	2.138	397.57	.000	.000	.000	.000	.000	.00
13	1158.00	1152.00	451.62	2.138	965.68	.000	.000	.000	.000	.000	.00
14	1152.00	1146.00	739.13	2.227	1646.12	.555	.232	.323	3.423	.043	.00
15	1146.00	1140.00	928.13	2.433	2258.30	1.464	.613	.851	8.912	.121	.00
16	1140.00	1134.00	897.98	2.586	2321.81	2.173	.935	1.238	13.698	.193	.00
17	1134.00	1128.00	843.30	2.621	2210.05	2.018	.895	1.123	13.305	.215	.00
18	1128.00	1122.00	681.75	2.618	1784.58	1.829	.802	1.027	12.214	.202	.00
19	1122.00	1116.00	639.60	2.784	1780.47	2.375	1.001	1.374	15.153	.270	.00
20	1116.00	1110.00	516.02	2.931	1512.70	3.173	1.354	1.819	19.653	.310	.00
21	1110.00	1104.00	469.22	3.029	1421.47	3.550	1.509	2.042	21.926	.384	.00
22	1104.00	1098.00	374.12	3.158	1181.45	4.179	1.818	2.362	26.674	.507	.00
23	1098.00	1092.00	347.70	3.331	1158.32	5.058	2.254	2.804	33.098	.541	.00
24	1092.00	1086.00	275.12	3.434	944.89	5.332	2.377	2.955	33.386	.530	.00
25	1086.00	1080.00	247.74	3.404	843.36	4.898	2.164	2.735	31.001	.572	.00
26	1080.00	1074.00	169.67	3.725	632.05	7.253	3.196	4.057	45.843	.662	.00
27	1074.00	1068.00	145.98	3.644	532.01	6.342	2.878	3.464	41.386	.675	.00
28	1068.00	1062.00	91.84	3.982	365.72	7.763	3.537	4.226	50.955	.718	.00
29	1062.00	1056.00	63.85	4.002	255.55	6.701	3.068	3.633	45.347	.874	.00
30	1056.00	1050.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
31	1050.00	1044.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
32	1044.00	1038.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
33	1038.00	1032.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
34	1032.00	1026.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
35	1026.00	1020.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
36	1020.00	1014.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
37	1014.00	1008.00	.00	.000	.00	.000	.000	.000	.000	.000	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 2 V1 - Surface Topography Start-up of Mining (POLYSECT)
 BOTTOM SURFACE GRID RECORD : 5 V4 - VIV DECEMBER 1989 ULTIMATE PIT SURFACE (POLYSECT MERGED TO

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

BENCH	CREST [m]	TOE [m]	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	A V E R A G E G R A D E S					ECONOMIC FACTOR [\$ Cdn x1000]
						[Pb+Zn%]	[Pb%]	[Zn%]	[Ag g/t]	[Au g/t]	
1	1230.00	1224.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
2	1224.00	1218.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	1218.00	1212.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	1212.00	1206.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	1206.00	1200.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	1200.00	1194.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	1194.00	1188.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	1188.00	1182.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
9	1182.00	1176.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
10	1176.00	1170.00	2.25	2.099	4.72	.000	.000	.000	.000	.000	.00
11	1170.00	1164.00	60.01	2.235	134.14	.000	.000	.000	.000	.000	.00
12	1164.00	1158.00	189.86	2.193	416.37	.000	.000	.000	.000	.000	.00
13	1158.00	1152.00	470.11	2.191	1030.05	.000	.000	.000	.000	.000	.00
14	1152.00	1146.00	742.30	2.252	1671.54	.072	.038	.034	.618	.027	.00
15	1146.00	1140.00	891.40	2.340	2085.75	.185	.089	.096	1.464	.058	.00
16	1140.00	1134.00	791.91	2.437	1929.50	.229	.105	.125	1.943	.085	.00
17	1134.00	1128.00	750.76	2.465	1850.32	.234	.106	.128	1.958	.093	.00
18	1128.00	1122.00	629.98	2.500	1575.11	.288	.127	.161	2.589	.108	.00
19	1122.00	1116.00	560.96	2.567	1440.07	.328	.147	.181	3.060	.123	.00
20	1116.00	1110.00	396.64	2.638	1046.54	.321	.131	.190	2.662	.109	.00
21	1110.00	1104.00	330.95	2.796	925.33	.674	.268	.406	5.213	.190	.00
22	1104.00	1098.00	251.29	2.838	713.22	.736	.303	.433	5.599	.208	.00
23	1098.00	1092.00	225.77	2.835	640.14	.603	.265	.338	4.787	.188	.00
24	1092.00	1086.00	167.77	2.858	479.51	.466	.227	.238	4.245	.196	.00
25	1086.00	1080.00	152.31	2.994	455.96	.930	.468	.462	8.082	.376	.00
26	1080.00	1074.00	93.51	3.054	285.57	1.041	.553	.488	9.266	.428	.00
27	1074.00	1068.00	65.71	2.975	195.50	.906	.422	.484	7.471	.349	.00
28	1068.00	1062.00	36.29	3.071	111.47	1.002	.540	.462	9.256	.425	.00
29	1062.00	1056.00	30.33	3.316	100.56	1.647	.845	.802	15.018	.592	.00
30	1056.00	1050.00	3.92	3.478	13.64	1.405	.728	.677	14.833	.723	.00
31	1050.00	1044.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
32	1044.00	1038.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
33	1038.00	1032.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
34	1032.00	1026.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
35	1026.00	1020.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
36	1020.00	1014.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
37	1014.00	1008.00	.00	.000	.00	.000	.000	.000	.000	.000	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 2 V1 - Surface Topography Start-up of Mining (POLYSECT)
 BOTTOM SURFACE GRID RECORD : 5 V4 - VIV DECEMBER 1989 ULTIMATE PIT SURFACE (POLYSECT MERGED TO

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

BENCH	CREST [m]	TOE [m]	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	A V E R A G E G R A D E S					ECONOMIC FACTOR [\$ Cdn x1000]
						[Pb+Zn%]	[Pb%]	[Zn%]	[Ag g/t]	[Au g/t]	
1	1230.00	1224.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
2	1224.00	1218.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	1218.00	1212.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	1212.00	1206.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	1206.00	1200.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	1200.00	1194.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	1194.00	1188.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	1188.00	1182.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
9	1182.00	1176.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
10	1176.00	1170.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
11	1170.00	1164.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
12	1164.00	1158.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
13	1158.00	1152.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
14	1152.00	1146.00	1.65	3.799	6.25	4.453	1.929	2.525	30.170	.865	.00
15	1146.00	1140.00	2.06	3.849	7.92	4.672	2.239	2.433	27.502	.754	.00
16	1140.00	1134.00	8.06	3.279	26.42	4.487	1.848	2.639	29.086	.641	.00
17	1134.00	1128.00	9.83	3.393	33.35	4.582	1.946	2.636	31.635	.484	.00
18	1128.00	1122.00	9.09	3.230	29.35	4.540	1.798	2.742	29.156	.626	.00
19	1122.00	1116.00	10.46	3.305	34.57	4.491	1.806	2.685	33.797	.694	.00
20	1116.00	1110.00	16.06	3.103	49.84	4.455	1.818	2.637	26.572	.634	.00
21	1110.00	1104.00	15.92	3.041	48.40	4.477	1.746	2.730	27.552	.592	.00
22	1104.00	1098.00	15.22	3.018	45.94	4.365	1.746	2.619	25.817	.622	.00
23	1098.00	1092.00	11.11	2.892	32.13	4.446	1.816	2.630	24.843	.614	.00
24	1092.00	1086.00	1.65	2.973	4.89	4.636	1.887	2.750	25.542	.654	.00
25	1086.00	1080.00	4.94	3.400	16.79	4.498	2.172	2.326	27.364	.776	.00
26	1080.00	1074.00	3.56	3.594	12.79	4.253	2.349	1.904	28.364	.831	.00
27	1074.00	1068.00	1.97	3.601	7.09	4.396	1.901	2.495	28.339	1.382	.00
28	1068.00	1062.00	.41	4.197	1.73	4.403	2.747	1.656	28.690	1.548	.00
29	1062.00	1056.00	.13	3.706	.48	4.440	2.076	2.364	24.712	1.209	.00
30	1056.00	1050.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
31	1050.00	1044.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
32	1044.00	1038.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
33	1038.00	1032.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
34	1032.00	1026.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
35	1026.00	1020.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
36	1020.00	1014.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
37	1014.00	1008.00	.00	.000	.00	.000	.000	.000	.000	.000	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 2 V1 - Surface Topography Start-up of Mining (POLYSECT)
 BOTTOM SURFACE GRID RECORD : 5 V4 - VIV DECEMBER 1989 ULTIMATE PIT SURFACE (POLYSECT MERGED TO

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

BENCH	CREST [m]	TOE [m]	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	A V E R A G E G R A D E S					ECONOMIC FACTOR [\$ Cdn x1000]
						[Pb+Zn%]	[Pb%]	[Zn%]	[Ag g/t]	[Au g/t]	
1	1230.00	1224.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
2	1224.00	1218.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	1218.00	1212.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	1212.00	1206.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	1206.00	1200.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	1200.00	1194.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	1194.00	1188.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	1188.00	1182.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
9	1182.00	1176.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
10	1176.00	1170.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
11	1170.00	1164.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
12	1164.00	1158.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
13	1158.00	1152.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
14	1152.00	1146.00	12.40	4.061	50.36	9.462	4.532	4.931	65.842	1.518	.00
15	1146.00	1140.00	59.36	3.893	231.09	9.277	3.942	5.335	58.914	.994	.00
16	1140.00	1134.00	128.60	3.887	499.92	8.854	3.887	4.967	55.811	.841	.00
17	1134.00	1128.00	112.65	3.854	434.20	8.810	3.925	4.885	55.859	.811	.00
18	1128.00	1122.00	89.39	3.783	338.19	9.138	3.979	5.159	58.955	.776	.00
19	1122.00	1116.00	86.00	3.785	325.49	9.345	3.964	5.380	57.927	.762	.00
20	1116.00	1110.00	112.42	3.728	419.13	9.273	4.005	5.268	56.285	.765	.00
21	1110.00	1104.00	131.75	3.557	468.59	8.575	3.645	4.930	51.936	.775	.00
22	1104.00	1098.00	114.97	3.601	414.07	8.568	3.709	4.858	52.639	.812	.00
23	1098.00	1092.00	105.49	3.934	415.04	9.946	4.471	5.475	64.195	.755	.00
24	1092.00	1086.00	97.02	4.072	395.05	9.942	4.419	5.523	61.042	.788	.00
25	1086.00	1080.00	92.31	3.964	365.93	9.750	4.269	5.481	60.193	.742	.00
26	1080.00	1074.00	99.21	4.022	398.97	9.839	4.354	5.485	62.406	.805	.00
27	1074.00	1068.00	81.40	4.057	330.21	9.505	4.303	5.202	61.834	.835	.00
28	1068.00	1062.00	69.03	4.033	278.36	9.205	4.211	4.994	59.696	.702	.00
29	1062.00	1056.00	61.24	4.002	245.09	8.757	4.030	4.727	57.388	.742	.00
30	1056.00	1050.00	.03	4.170	.11	7.385	3.538	3.847	45.590	1.810	.00
31	1050.00	1044.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
32	1044.00	1038.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
33	1038.00	1032.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
34	1032.00	1026.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
35	1026.00	1020.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
36	1020.00	1014.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
37	1014.00	1008.00	.00	.000	.00	.000	.000	.000	.000	.000	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 2 V1 - Surface Topography Start-up of Mining (POLYSECT)
 BOTTOM SURFACE GRID RECORD : 5 V4 - VIV DECEMBER 1989 ULTIMATE PIT SURFACE (POLYSECT MERGED TO

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

BENCH	CREST [m]	TOE [m]	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	A V E R A G E G R A D E S					ECONOMIC FACTOR [\$ Cdn x1000]
						[Pb+Zn%]	[Pb%]	[Zn%]	[Ag g/t]	[Au g/t]	
1	1230.00	1224.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
2	1224.00	1218.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	1218.00	1212.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	1212.00	1206.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	1206.00	1200.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	1200.00	1194.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	1194.00	1188.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	1188.00	1182.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
9	1182.00	1176.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
10	1176.00	1170.00	2.25	2.099	4.72	.000	.000	.000	.000	.000	.00
11	1170.00	1164.00	60.01	2.235	134.14	.000	.000	.000	.000	.000	.00
12	1164.00	1158.00	189.86	2.193	416.37	.000	.000	.000	.000	.000	.00
13	1158.00	1152.00	470.11	2.191	1030.05	.000	.000	.000	.000	.000	.00
14	1152.00	1146.00	739.01	2.246	1659.47	.047	.027	.020	.450	.020	.00
15	1146.00	1140.00	871.40	2.309	2011.69	.064	.032	.033	.604	.026	.00
16	1140.00	1134.00	778.55	2.415	1880.36	.145	.064	.081	1.332	.063	.00
17	1134.00	1128.00	737.81	2.446	1804.77	.155	.071	.084	1.338	.076	.00
18	1128.00	1122.00	615.03	2.477	1523.70	.184	.084	.100	1.815	.085	.00
19	1122.00	1116.00	545.61	2.539	1385.30	.206	.095	.111	2.085	.094	.00
20	1116.00	1110.00	381.78	2.621	1000.50	.174	.074	.100	1.723	.083	.00
21	1110.00	1104.00	303.14	2.777	841.68	.402	.162	.240	3.527	.148	.00
22	1104.00	1098.00	227.66	2.825	643.13	.436	.185	.250	3.907	.172	.00
23	1098.00	1092.00	210.13	2.823	593.19	.375	.170	.205	3.463	.158	.00
24	1092.00	1086.00	162.67	2.849	463.47	.362	.181	.182	3.635	.183	.00
25	1086.00	1080.00	139.96	2.954	413.43	.670	.334	.336	6.387	.324	.00
26	1080.00	1074.00	85.09	3.006	255.76	.750	.389	.360	7.400	.372	.00
27	1074.00	1068.00	59.98	2.934	175.99	.624	.296	.328	5.631	.298	.00
28	1068.00	1062.00	34.17	3.019	103.16	.824	.438	.385	7.886	.363	.00
29	1062.00	1056.00	26.87	3.250	87.31	1.372	.706	.665	13.263	.535	.00
30	1056.00	1050.00	3.89	3.474	13.51	1.389	.722	.667	14.719	.721	.00
31	1050.00	1044.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
32	1044.00	1038.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
33	1038.00	1032.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
34	1032.00	1026.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
35	1026.00	1020.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
36	1020.00	1014.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
37	1014.00	1008.00	.00	.000	.00	.000	.000	.000	.000	.000	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 2 V1 - Surface Topography Start-up of Mining (POLYSECT)
 BOTTOM SURFACE GRID RECORD : 5 V4 - VIV DECEMBER 1989 ULTIMATE PIT SURFACE (POLYSECT MERGED TO

BENCH TOTALS FOR STOCKPILE FROM 3.0000 [Pb+Zn%] TO 5.0000 [Pb+Zn%]

BENCH	CREST [m]	TOE [m]	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	A V E R A G E G R A D E S					ECONOMIC FACTOR [\$ Cdn x1000]
						[Pb+Zn%]	[Pb%]	[Zn%]	[Ag g/t]	[Au g/t]	
1	1230.00	1224.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
2	1224.00	1218.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	1218.00	1212.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	1212.00	1206.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	1206.00	1200.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	1200.00	1194.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	1194.00	1188.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	1188.00	1182.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
9	1182.00	1176.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
10	1176.00	1170.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
11	1170.00	1164.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
12	1164.00	1158.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
13	1158.00	1152.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
14	1152.00	1146.00	4.94	3.711	18.32	3.838	1.692	2.146	25.986	.960	.00
15	1146.00	1140.00	22.06	3.717	81.98	3.567	1.707	1.860	25.095	.924	.00
16	1140.00	1134.00	21.42	3.528	75.56	3.812	1.718	2.095	26.650	.818	.00
17	1134.00	1128.00	22.77	3.465	78.90	3.879	1.681	2.198	28.684	.658	.00
18	1128.00	1122.00	24.04	3.360	80.75	3.790	1.549	2.241	26.855	.717	.00
19	1122.00	1116.00	25.81	3.461	89.33	3.832	1.596	2.237	30.070	.792	.00
20	1116.00	1110.00	30.93	3.100	95.88	3.999	1.601	2.398	24.888	.652	.00
21	1110.00	1104.00	43.73	3.020	132.05	3.805	1.489	2.316	24.146	.603	.00
22	1104.00	1098.00	38.86	2.986	116.04	3.834	1.526	2.308	22.981	.570	.00
23	1098.00	1092.00	26.75	2.957	79.08	3.877	1.613	2.264	22.870	.590	.00
24	1092.00	1086.00	6.75	3.101	20.93	3.728	1.647	2.080	22.732	.587	.00
25	1086.00	1080.00	17.28	3.432	59.32	3.750	1.884	1.866	25.355	.849	.00
26	1080.00	1074.00	11.98	3.556	42.60	3.756	2.077	1.678	26.200	.881	.00
27	1074.00	1068.00	7.69	3.457	26.60	3.700	1.650	2.050	25.205	.960	.00
28	1068.00	1062.00	2.54	3.954	10.03	3.422	1.969	1.452	26.694	1.263	.00
29	1062.00	1056.00	3.59	3.828	13.73	3.494	1.766	1.728	26.525	.978	.00
30	1056.00	1050.00	.03	3.877	.13	3.014	1.302	1.712	26.390	.940	.00
31	1050.00	1044.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
32	1044.00	1038.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
33	1038.00	1032.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
34	1032.00	1026.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
35	1026.00	1020.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
36	1020.00	1014.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
37	1014.00	1008.00	.00	.000	.00	.000	.000	.000	.000	.000	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 2 V1 - Surface Topography Start-up of Mining (POLYSECT)
 BOTTOM SURFACE GRID RECORD : 5 V4 - VIV DECEMBER 1989 ULTIMATE PIT SURFACE (POLYSECT MERGED TO

BENCH TOTALS FOR ALL MATERIAL

BENCH	CREST	TOE	VOLUME		DENSITY	TONNAGE	AVERAGE GRADES					ECONOMIC FACTOR
	[m]	[m]	[bcm	x1000]	[tn/bcm]	[TONS x1000]	[Pb+Zn%]	[Pb%]	[Zn%]	[Ag g/t]	[Au g/t]	[\$ Cdn x1000]
1	1230.00	1224.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
2	1224.00	1218.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
3	1218.00	1212.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
4	1212.00	1206.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
5	1206.00	1200.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
6	1200.00	1194.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
7	1194.00	1188.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
8	1188.00	1182.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
9	1182.00	1176.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
10	1176.00	1170.00	2.25	2.099	4.72	.000	.000	.000	.000	.000	.000	.00
11	1170.00	1164.00	60.01	2.235	134.14	.000	.000	.000	.000	.000	.000	.00
12	1164.00	1158.00	189.86	2.193	416.37	.000	.000	.000	.000	.000	.000	.00
13	1158.00	1152.00	470.11	2.191	1030.05	.000	.000	.000	.000	.000	.000	.00
14	1152.00	1146.00	756.34	2.285	1728.15	.362	.176	.186	2.626	.073	.00	
15	1146.00	1140.00	952.82	2.440	2324.76	1.104	.479	.624	7.264	.154	.00	
16	1140.00	1134.00	928.58	2.645	2455.85	2.031	.893	1.137	13.201	.245	.00	
17	1134.00	1128.00	873.24	2.654	2317.87	1.903	.848	1.055	12.482	.233	.00	
18	1128.00	1122.00	728.46	2.667	1942.65	1.893	.823	1.070	12.803	.232	.00	
19	1122.00	1116.00	657.42	2.738	1800.12	2.038	.869	1.169	13.571	.250	.00	
20	1116.00	1110.00	525.12	2.886	1515.51	2.932	1.258	1.675	18.278	.308	.00	
21	1110.00	1104.00	478.61	3.014	1442.31	3.369	1.415	1.954	21.142	.394	.00	
22	1104.00	1098.00	381.49	3.075	1173.23	3.642	1.562	2.080	22.992	.437	.00	
23	1098.00	1092.00	342.36	3.176	1087.31	4.283	1.916	2.366	28.056	.417	.00	
24	1092.00	1086.00	266.44	3.301	879.45	4.746	2.119	2.626	29.877	.465	.00	
25	1086.00	1080.00	249.56	3.361	838.68	4.850	2.161	2.689	31.205	.543	.00	
26	1080.00	1074.00	196.28	3.553	697.33	6.134	2.761	3.373	40.019	.651	.00	
27	1074.00	1068.00	149.07	3.574	532.80	6.282	2.847	3.434	41.441	.664	.00	
28	1068.00	1062.00	105.73	3.703	391.55	6.848	3.160	3.689	45.200	.627	.00	
29	1062.00	1056.00	91.70	3.775	346.13	6.685	3.102	3.584	45.033	.699	.00	
30	1056.00	1050.00	3.95	3.483	13.76	1.455	.751	.704	15.088	.732	.00	
31	1050.00	1044.00	.00	.000	.00	.000	.000	.000	.000	.000	.00	
32	1044.00	1038.00	.00	.000	.00	.000	.000	.000	.000	.000	.00	
33	1038.00	1032.00	.00	.000	.00	.000	.000	.000	.000	.000	.00	
34	1032.00	1026.00	.00	.000	.00	.000	.000	.000	.000	.000	.00	
35	1026.00	1020.00	.00	.000	.00	.000	.000	.000	.000	.000	.00	
36	1020.00	1014.00	.00	.000	.00	.000	.000	.000	.000	.000	.00	
37	1014.00	1008.00	.00	.000	.00	.000	.000	.000	.000	.000	.00	

38	1008.00	1002.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.00
39	1002.00	996.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.00
40	996.00	990.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.00
<hr/>												
TOTAL FOR ALL BENCHES		8409.41	2.744		23072.75	2.559	1.129	1.431	16.629			.29
TOTAL FOR ALL BENCHES		.00										
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MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 2 V1 - Surface Topography Start-up of Mining (POLYSECT)
 BOTTOM SURFACE GRID RECORD : 5 V4 - VIV DECEMBER 1989 ULTIMATE PIT SURFACE (POLYSECT MERGED TO

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

BENCH	CREST [m]	TOE [m]	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	A V E R A G E G R A D E S					ECONOMIC FACTOR [\$ Cdn x1000]
						[Pb+Zn%]	[Pb%]	[Zn%]	[Ag g/t]	[Au g/t]	
1	1230.00	1224.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
2	1224.00	1218.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	1218.00	1212.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	1212.00	1206.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	1206.00	1200.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	1200.00	1194.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	1194.00	1188.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	1188.00	1182.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
9	1182.00	1176.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
10	1176.00	1170.00	2.25	2.099	4.72	.000	.000	.000	.000	.000	.00
11	1170.00	1164.00	60.01	2.235	134.14	.000	.000	.000	.000	.000	.00
12	1164.00	1158.00	189.86	2.193	416.37	.000	.000	.000	.000	.000	.00
13	1158.00	1152.00	470.11	2.191	1030.05	.000	.000	.000	.000	.000	.00
14	1152.00	1146.00	742.30	2.252	1671.54	.072	.038	.034	.618	.027	.00
15	1146.00	1140.00	891.40	2.340	2085.75	.185	.089	.096	1.464	.058	.00
16	1140.00	1134.00	791.91	2.437	1929.50	.229	.105	.125	1.943	.085	.00
17	1134.00	1128.00	750.76	2.465	1850.32	.234	.106	.128	1.958	.093	.00
18	1128.00	1122.00	629.98	2.500	1575.11	.288	.127	.161	2.589	.108	.00
19	1122.00	1116.00	560.96	2.567	1440.07	.328	.147	.181	3.060	.123	.00
20	1116.00	1110.00	396.64	2.638	1046.54	.321	.131	.190	2.662	.109	.00
21	1110.00	1104.00	330.95	2.796	925.33	.674	.268	.406	5.213	.190	.00
22	1104.00	1098.00	251.29	2.838	713.22	.736	.303	.433	5.599	.208	.00
23	1098.00	1092.00	225.77	2.835	640.14	.603	.265	.338	4.787	.188	.00
24	1092.00	1086.00	167.77	2.858	479.51	.466	.227	.238	4.245	.196	.00
25	1086.00	1080.00	152.31	2.994	455.96	.930	.468	.462	8.082	.376	.00
26	1080.00	1074.00	93.51	3.054	285.57	1.041	.553	.488	9.266	.428	.00
27	1074.00	1068.00	65.71	2.975	195.50	.906	.422	.484	7.471	.349	.00
28	1068.00	1062.00	36.29	3.071	111.47	1.002	.540	.462	9.256	.425	.00
29	1062.00	1056.00	30.33	3.316	100.56	1.647	.845	.802	15.018	.592	.00
30	1056.00	1050.00	3.92	3.478	13.64	1.405	.728	.677	14.833	.723	.00
31	1050.00	1044.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
32	1044.00	1038.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
33	1038.00	1032.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
34	1032.00	1026.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
35	1026.00	1020.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
36	1020.00	1014.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
37	1014.00	1008.00	.00	.000	.00	.000	.000	.000	.000	.000	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 2 V1 - Surface Topography Start-up of Mining (POLYSECT)
 BOTTOM SURFACE GRID RECORD : 5 V4 - VIV DECEMBER 1989 ULTIMATE PIT SURFACE (POLYSECT MERGED TO

BENCH TOTALS FOR STOCKPILE FROM 4.0000 [Pb+Zn%] TO 6.0000 [Pb+Zn%]

BENCH	CREST	TOE	VOLUME		DENSITY	TONNAGE	AVERAGE GRADES					ECONOMIC FACTOR
	[m]	[m]	[bcm	x1000]	[tn/bcm]	[TONS x1000]	[Pb+Zn%]	[Pb%]	[Zn%]	[Ag g/t]	[Au g/t]	[\$ Cdn x1000]
1	1230.00	1224.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
2	1224.00	1218.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
3	1218.00	1212.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
4	1212.00	1206.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
5	1206.00	1200.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
6	1200.00	1194.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
7	1194.00	1188.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
8	1188.00	1182.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
9	1182.00	1176.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
10	1176.00	1170.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
11	1170.00	1164.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
12	1164.00	1158.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
13	1158.00	1152.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
14	1152.00	1146.00	2.47		3.747	9.25	4.797	1.939	2.859	28.449	.758	.00
15	1146.00	1140.00	6.58		3.710	24.42	5.221	2.457	2.764	35.496	.932	.00
16	1140.00	1134.00	15.88		3.439	54.60	5.036	2.052	2.985	32.601	.651	.00
17	1134.00	1128.00	24.44		3.432	83.88	5.208	2.161	3.046	36.201	.579	.00
18	1128.00	1122.00	23.52		3.323	78.15	5.171	2.044	3.127	32.997	.594	.00
19	1122.00	1116.00	15.81		3.322	52.51	4.861	1.963	2.899	36.389	.688	.00
20	1116.00	1110.00	26.35		3.099	81.65	4.806	1.936	2.870	27.982	.620	.00
21	1110.00	1104.00	36.56		2.964	108.38	5.086	2.008	3.077	29.944	.594	.00
22	1104.00	1098.00	30.04		2.956	88.78	4.928	1.965	2.963	28.951	.597	.00
23	1098.00	1092.00	17.63		3.004	52.96	4.850	2.068	2.782	28.039	.673	.00
24	1092.00	1086.00	1.65		2.973	4.89	4.636	1.887	2.750	25.542	.654	.00
25	1086.00	1080.00	9.18		3.395	31.16	4.934	2.342	2.592	28.874	.770	.00
26	1080.00	1074.00	4.94		3.644	18.02	4.554	2.703	1.851	31.563	.924	.00
27	1074.00	1068.00	5.14		3.282	16.86	5.168	2.085	3.082	31.126	1.024	.00
28	1068.00	1062.00	.41		4.197	1.73	4.403	2.747	1.656	28.690	1.548	.00
29	1062.00	1056.00	1.36		3.801	5.19	5.678	2.703	2.975	39.162	.782	.00
30	1056.00	1050.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
31	1050.00	1044.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
32	1044.00	1038.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
33	1038.00	1032.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
34	1032.00	1026.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
35	1026.00	1020.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
36	1020.00	1014.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
37	1014.00	1008.00	.00		.000	.00	.000	.000	.000	.000	.000	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 2 V1 - Surface Topography Start-up of Mining (POLYSECT)
 BOTTOM SURFACE GRID RECORD : 5 V4 - VIV DECEMBER 1989 ULTIMATE PIT SURFACE (POLYSECT MERGED TO

BENCH TOTALS FOR ORE ABOVE 6.0000 [Pb+Zn%]

BENCH	CREST [m]	TOE [m]	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	A V E R A G E G R A D E S					ECONOMIC FACTOR [\$ Cdn x1000]
						[Pb+Zn%]	[Pb%]	[Zn%]	[Ag g/t]	[Au g/t]	
1	1230.00	1224.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
2	1224.00	1218.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	1218.00	1212.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	1212.00	1206.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	1206.00	1200.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	1200.00	1194.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	1194.00	1188.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	1188.00	1182.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
9	1182.00	1176.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
10	1176.00	1170.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
11	1170.00	1164.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
12	1164.00	1158.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
13	1158.00	1152.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
14	1152.00	1146.00	11.58	4.091	47.36	9.712	4.694	5.018	68.435	1.580	.00
15	1146.00	1140.00	54.84	3.913	214.59	9.569	4.048	5.521	60.420	.992	.00
16	1140.00	1134.00	120.78	3.906	471.74	9.051	3.985	5.066	57.000	.852	.00
17	1134.00	1128.00	98.03	3.914	383.66	9.230	4.139	5.092	58.052	.833	.00
18	1128.00	1122.00	74.96	3.861	289.39	9.743	4.280	5.463	62.942	.810	.00
19	1122.00	1116.00	80.65	3.813	307.54	9.565	4.064	5.501	58.893	.767	.00
20	1116.00	1110.00	102.13	3.792	387.31	9.595	4.160	5.435	58.428	.779	.00
21	1110.00	1104.00	111.11	3.678	408.60	9.015	3.854	5.161	54.881	.801	.00
22	1104.00	1098.00	100.16	3.706	371.23	8.918	3.884	5.035	54.984	.840	.00
23	1098.00	1092.00	98.97	3.983	394.20	10.182	4.577	5.605	65.845	.755	.00
24	1092.00	1086.00	97.02	4.072	395.05	9.942	4.419	5.523	61.042	.788	.00
25	1086.00	1080.00	88.07	3.992	351.56	9.926	4.340	5.586	61.401	.741	.00
26	1080.00	1074.00	97.82	4.025	393.74	9.899	4.364	5.535	62.711	.801	.00
27	1074.00	1068.00	78.23	4.096	320.44	9.620	4.367	5.253	62.709	.837	.00
28	1068.00	1062.00	69.03	4.033	278.36	9.205	4.211	4.994	59.696	.702	.00
29	1062.00	1056.00	60.01	4.006	240.38	8.815	4.054	4.760	57.716	.742	.00
30	1056.00	1050.00	.03	4.170	.11	7.385	3.538	3.847	45.590	1.810	.00
31	1050.00	1044.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
32	1044.00	1038.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
33	1038.00	1032.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
34	1032.00	1026.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
35	1026.00	1020.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
36	1020.00	1014.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
37	1014.00	1008.00	.00	.000	.00	.000	.000	.000	.000	.000	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 2 V1 - Surface Topography Start-up of Mining (POLYSECT)
 BOTTOM SURFACE GRID RECORD : 5 V4 - VIV DECEMBER 1989 ULTIMATE PIT SURFACE (POLYSECT MERGED TO

BENCH TOTALS FOR ALL MATERIAL

BENCH	CREST	TOE	VOLUME		DENSITY	TONNAGE	AVERAGE GRADES					ECONOMIC
	[m]	[m]	[bcm	x1000]	[tn/bcm]	[TONS x1000]	[Pb+Zn%]	[Pb%]	[Zn%]	[Ag g/t]	[Au g/t]	[# Cdn x1000]
1	1230.00	1224.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
2	1224.00	1218.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
3	1218.00	1212.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
4	1212.00	1206.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
5	1206.00	1200.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
6	1200.00	1194.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
7	1194.00	1188.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
8	1188.00	1182.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
9	1182.00	1176.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
10	1176.00	1170.00	2.25	2.099	4.72	.000	.000	.000	.000	.000	.000	.00
11	1170.00	1164.00	60.01	2.235	134.14	.000	.000	.000	.000	.000	.000	.00
12	1164.00	1158.00	189.86	2.193	416.37	.000	.000	.000	.000	.000	.000	.00
13	1158.00	1152.00	470.11	2.191	1030.05	.000	.000	.000	.000	.000	.000	.00
14	1152.00	1146.00	756.34	2.285	1728.15	.362	.176	.186	2.626	.073	.00	
15	1146.00	1140.00	952.82	2.440	2324.76	1.104	.479	.624	7.264	.154	.00	
16	1140.00	1134.00	928.58	2.645	2455.85	2.031	.893	1.137	13.201	.245	.00	
17	1134.00	1128.00	873.24	2.654	2317.87	1.903	.848	1.055	12.482	.233	.00	
18	1128.00	1122.00	728.46	2.667	1942.65	1.893	.823	1.070	12.803	.232	.00	
19	1122.00	1116.00	657.42	2.738	1800.12	2.038	.869	1.169	13.571	.250	.00	
20	1116.00	1110.00	525.12	2.886	1515.51	2.932	1.258	1.675	18.278	.308	.00	
21	1110.00	1104.00	478.61	3.014	1442.31	3.369	1.415	1.954	21.142	.394	.00	
22	1104.00	1098.00	381.49	3.075	1173.23	3.642	1.562	2.080	22.992	.437	.00	
23	1098.00	1092.00	342.36	3.176	1087.31	4.283	1.916	2.366	28.056	.417	.00	
24	1092.00	1086.00	266.44	3.301	879.45	4.746	2.119	2.626	29.877	.465	.00	
25	1086.00	1080.00	249.56	3.361	838.68	4.850	2.161	2.689	31.205	.543	.00	
26	1080.00	1074.00	196.28	3.553	697.33	6.134	2.761	3.373	40.019	.651	.00	
27	1074.00	1068.00	149.07	3.574	532.80	6.282	2.847	3.434	41.441	.664	.00	
28	1068.00	1062.00	105.73	3.703	391.55	6.848	3.160	3.689	45.200	.627	.00	
29	1062.00	1056.00	91.70	3.775	346.13	6.685	3.102	3.584	45.033	.699	.00	
30	1056.00	1050.00	3.95	3.483	13.76	1.455	.751	.704	15.088	.732	.00	
31	1050.00	1044.00	.00	.000	.00	.000	.000	.000	.000	.000	.00	
32	1044.00	1038.00	.00	.000	.00	.000	.000	.000	.000	.000	.00	
33	1038.00	1032.00	.00	.000	.00	.000	.000	.000	.000	.000	.00	
34	1032.00	1026.00	.00	.000	.00	.000	.000	.000	.000	.000	.00	
35	1026.00	1020.00	.00	.000	.00	.000	.000	.000	.000	.000	.00	
36	1020.00	1014.00	.00	.000	.00	.000	.000	.000	.000	.000	.00	
37	1014.00	1008.00	.00	.000	.00	.000	.000	.000	.000	.000	.00	

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 4 F4 - 1989 Year End Cut Pit Surface (December 28 1989 Pit Survey)
 BOTTOM SURFACE GRID RECORD : 6 F6 - FIV 1989 Ultimate Pit Surface (May 1989 Design)

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

BENCH	CREST [ft]	TOE [ft]	VOLUME [bcf x1000]	DENSITY [tn/bcf]	TONNAGE [TONS x1000]	A V E R A G E G R A D E S					ECONOMIC FACTOR [Cdn \$ x1000]
						[%Pb+Zn]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]	
1	4270.00	4230.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
2	4230.00	4190.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	4190.00	4150.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	4150.00	4110.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	4110.00	4070.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	4070.00	4030.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	4030.00	3990.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	3990.00	3950.00	187.38	.076	14.22	.000	.000	.000	.000	.000	.00
9	3950.00	3910.00	308.48	.076	23.41	.000	.000	.000	.000	.000	.00
10	3910.00	3890.00	164.40	.076	12.48	.000	.000	.000	.000	.000	.00
11	3890.00	3870.00	535.63	.076	40.92	.000	.000	.000	.000	.000	.00
12	3870.00	3850.00	31.82	.076	2.42	.000	.000	.000	.000	.000	.00
13	3850.00	3830.00	139.65	.076	10.60	.000	.000	.000	.000	.000	.00
14	3830.00	3810.00	1300.19	.076	98.68	.000	.000	.000	.000	.000	.00
15	3810.00	3790.00	2466.92	.076	187.27	.000	.000	.000	.000	.000	.00
16	3790.00	3770.00	4085.31	.076	310.86	.007	.002	.005	.063	.000	.00
17	3770.00	3750.00	5065.53	.076	386.98	.047	.025	.022	.611	.005	.00
18	3750.00	3730.00	7756.93	.077	600.13	.066	.038	.028	.915	.006	.00
19	3730.00	3710.00	8064.52	.077	622.88	.054	.027	.028	.374	.004	.00
20	3710.00	3690.00	6531.00	.077	504.29	.001	.000	.001	.006	.000	.00
21	3690.00	3670.00	7114.36	.077	548.93	.028	.009	.019	.220	.003	.00
22	3670.00	3650.00	6052.82	.076	461.38	.000	.000	.000	.000	.000	.00
23	3650.00	3630.00	6209.27	.076	473.16	.027	.009	.018	.163	.000	.00
24	3630.00	3610.00	5396.98	.078	422.56	.170	.061	.110	.707	.005	.00
25	3610.00	3590.00	4886.99	.080	391.11	.365	.126	.239	1.818	.010	.00
26	3590.00	3570.00	5496.86	.082	450.16	.517	.145	.372	2.112	.010	.00
27	3570.00	3550.00	6221.64	.081	501.98	.410	.147	.264	2.177	.012	.00
28	3550.00	3530.00	5722.26	.082	471.94	.562	.243	.318	3.895	.030	.00
29	3530.00	3510.00	4848.10	.088	426.32	.930	.297	.633	5.315	.018	.00
30	3510.00	3490.00	3126.30	.092	286.78	.904	.315	.589	4.246	.014	.00
31	3490.00	3470.00	2657.84	.087	232.50	.629	.239	.390	2.905	.009	.00
32	3470.00	3450.00	2299.86	.082	189.69	.438	.152	.286	2.451	.007	.00
33	3450.00	3430.00	1753.62	.083	145.57	.497	.149	.348	3.830	.008	.00
34	3430.00	3410.00	1114.58	.085	94.48	.456	.137	.319	2.862	.007	.00
35	3410.00	3390.00	1080.10	.083	89.14	.813	.215	.598	4.002	.019	.00
36	3390.00	3370.00	893.61	.077	68.55	.005	.002	.003	.041	.000	.00
37	3370.00	3350.00	1048.28	.079	83.12	.000	.000	.000	.000	.000	.00

38	3350.00	3330.00	828.20	.076	62.86	.000	.000	.000	.000	.000	.00
39	3330.00	3310.00	1063.31	.077	81.42	.000	.000	.000	.000	.000	.00
40	3310.00	3290.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
<hr/>											
TOTAL FOR ALL BENCHES			104452.80	.079	8296.78	.255	.090	.165	1.439		.01
TOTAL FOR ALL BENCHES			.00								
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MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 4 F4 - 1989 Year End Cut Pit Surface (December 28 1989 Pit Survey)
 BOTTOM SURFACE GRID RECORD : 6 F6 - FIV 1989 Ultimate Pit Surface (May 1989 Design)

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

BENCH	CREST	TOE	VOLUME		DENSITY	TONNAGE		AVERAGE GRADES				ECONOMIC
	[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	.000	.00	.000	.000	.000	.000	.000	.00
2	4230.00	4190.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
3	4190.00	4150.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
4	4150.00	4110.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
5	4110.00	4070.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
6	4070.00	4030.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
7	4030.00	3990.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
8	3990.00	3950.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
9	3950.00	3910.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
10	3910.00	3890.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
11	3890.00	3870.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
12	3870.00	3850.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
13	3850.00	3830.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
14	3830.00	3810.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
15	3810.00	3790.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
16	3790.00	3770.00	7.95	.087	.087	.70	3.452	1.230	2.222	29.900	.102	.00
17	3770.00	3750.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
18	3750.00	3730.00	263.40	.105	.105	27.66	3.385	1.696	1.689	35.421	.323	.00
19	3730.00	3710.00	160.87	.114	.114	18.28	3.727	1.760	1.967	25.688	.270	.00
20	3710.00	3690.00	214.78	.108	.108	23.17	3.534	1.441	2.094	19.205	.099	.00
21	3690.00	3670.00	239.53	.097	.097	23.12	3.666	1.205	2.461	17.075	.077	.00
22	3670.00	3650.00	549.78	.090	.090	49.35	3.580	1.073	2.508	15.801	.006	.00
23	3650.00	3630.00	676.17	.095	.095	64.22	3.668	1.237	2.431	17.217	.035	.00
24	3630.00	3610.00	649.65	.096	.096	62.14	3.579	1.224	2.355	21.415	.019	.00
25	3610.00	3590.00	1294.00	.100	.100	129.49	3.501	1.268	2.233	21.259	.070	.00
26	3590.00	3570.00	1361.18	.101	.101	137.24	3.489	1.282	2.207	16.604	.063	.00
27	3570.00	3550.00	1276.33	.105	.105	134.27	3.592	1.210	2.382	14.091	.065	.00
28	3550.00	3530.00	1616.62	.113	.113	181.95	3.582	1.355	2.228	16.775	.050	.00
29	3530.00	3510.00	1585.68	.104	.104	164.62	3.496	1.297	2.199	17.542	.047	.00
30	3510.00	3490.00	1826.98	.111	.111	202.34	3.547	1.321	2.226	16.790	.035	.00
31	3490.00	3470.00	1327.59	.115	.115	153.31	3.544	1.512	2.032	20.242	.057	.00
32	3470.00	3450.00	1012.93	.118	.118	119.99	3.642	1.585	2.057	19.548	.094	.00
33	3450.00	3430.00	863.55	.113	.113	98.00	3.557	1.165	2.392	17.228	.041	.00
34	3430.00	3410.00	641.70	.107	.107	68.91	3.638	1.231	2.407	15.675	.043	.00
35	3410.00	3390.00	1187.05	.086	.086	101.78	3.591	1.043	2.549	20.180	.118	.00
36	3390.00	3370.00	228.04	.083	.083	18.90	3.542	1.030	2.512	23.206	.055	.00
37	3370.00	3350.00	64.52	.081	.081	5.20	3.493	.880	2.613	21.002	.001	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 4 F4 - 1989 Year End Cut Pit Surface (December 28 1989 Pit Survey)
 BOTTOM SURFACE GRID RECORD : 6 F6 - FIV 1989 Ultimate Pit Surface (May 1989 Design)

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

BENCH	CREST	TOE	VOLUME [bcf x1000]	DENSITY [tn/bcf]	TONNAGE [TONS x1000]	A V E R A G E G R A D E S					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	.00
2	4230.00	4190.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	4190.00	4150.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	4150.00	4110.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	4110.00	4070.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	4070.00	4030.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	4030.00	3990.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	3990.00	3950.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
9	3950.00	3910.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
10	3910.00	3890.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
11	3890.00	3870.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
12	3870.00	3850.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
13	3850.00	3830.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
14	3830.00	3810.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
15	3810.00	3790.00	8.84	.119	1.05	9.895	3.523	6.372	42.100	.122	.00
16	3790.00	3770.00	27.40	.126	3.46	8.460	3.102	5.358	35.224	.366	.00
17	3770.00	3750.00	86.62	.102	8.79	5.279	1.943	3.337	33.382	.180	.00
18	3750.00	3730.00	40.66	.107	4.37	4.929	2.104	2.825	39.701	.094	.00
19	3730.00	3710.00	292.57	.115	33.64	5.272	2.679	2.593	50.115	.282	.00
20	3710.00	3690.00	530.33	.120	63.73	5.829	2.329	3.500	34.109	.172	.00
21	3690.00	3670.00	822.89	.110	90.24	6.082	2.315	3.767	25.387	.147	.00
22	3670.00	3650.00	2406.81	.101	242.86	6.663	2.372	4.291	21.917	.108	.00
23	3650.00	3630.00	3022.00	.103	312.07	6.385	2.143	4.242	21.576	.098	.00
24	3630.00	3610.00	3366.71	.106	356.21	6.403	2.146	4.257	22.031	.118	.00
25	3610.00	3590.00	3645.14	.106	385.04	6.376	2.329	4.046	26.455	.164	.00
26	3590.00	3570.00	5815.94	.108	626.58	6.707	2.544	4.163	27.796	.130	.00
27	3570.00	3550.00	6318.87	.112	708.71	6.100	2.282	3.819	27.749	.099	.00
28	3550.00	3530.00	6907.53	.111	765.78	7.071	2.741	4.330	34.973	.114	.00
29	3530.00	3510.00	9552.12	.113	1080.29	7.189	2.733	4.456	31.269	.070	.00
30	3510.00	3490.00	10739.19	.115	1237.17	7.083	2.688	4.395	31.386	.077	.00
31	3490.00	3470.00	11154.63	.114	1268.87	8.402	3.141	5.261	33.295	.071	.00
32	3470.00	3450.00	8648.77	.116	999.19	7.903	2.751	5.152	32.363	.078	.00
33	3450.00	3430.00	6247.27	.118	735.69	7.254	2.563	4.691	26.696	.056	.00
34	3430.00	3410.00	5315.67	.114	605.46	6.678	2.411	4.267	24.619	.064	.00
35	3410.00	3390.00	3841.36	.114	436.75	7.073	2.399	4.674	21.236	.045	.00
36	3390.00	3370.00	3210.27	.107	342.07	8.702	2.861	5.841	22.820	.075	.00
37	3370.00	3350.00	2900.90	.095	275.56	9.859	2.985	6.875	27.732	.116	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 4 F4 - 1989 Year End Cut Pit Surface (December 28 1989 Pit Survey)
 BOTTOM SURFACE GRID RECORD : 6 F6 - FIV 1989 Ultimate Pit Surface (May 1989 Design)

BENCH TOTALS FOR ALL MATERIAL

BENCH	CREST	TOE	VOLUME		DENSITY	TONNAGE		AVERAGE GRADES				ECONOMIC FACTOR
	[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	.000	.00	.000	.000	.000	.000	.000	.00
2	4230.00	4190.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
3	4190.00	4150.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
4	4150.00	4110.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
5	4110.00	4070.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
6	4070.00	4030.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
7	4030.00	3990.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
8	3990.00	3950.00	187.38	.076	.000	14.22	.000	.000	.000	.000	.000	.00
9	3950.00	3910.00	308.48	.076	.000	23.41	.000	.000	.000	.000	.000	.00
10	3910.00	3890.00	164.40	.076	.000	12.48	.000	.000	.000	.000	.000	.00
11	3890.00	3870.00	535.63	.076	.000	40.92	.000	.000	.000	.000	.000	.00
12	3870.00	3850.00	31.82	.076	.000	2.42	.000	.000	.000	.000	.000	.00
13	3850.00	3830.00	139.65	.076	.000	10.60	.000	.000	.000	.000	.000	.00
14	3830.00	3810.00	1300.19	.076	.000	98.68	.000	.000	.000	.000	.000	.00
15	3810.00	3790.00	2475.75	.076	.000	188.32	.055	.020	.035	.235	.001	.00
16	3790.00	3770.00	4120.67	.076	.000	315.01	.107	.039	.068	.515	.005	.00
17	3770.00	3750.00	5152.15	.077	.000	395.77	.163	.068	.095	1.339	.008	.00
18	3750.00	3730.00	8060.99	.078	.000	632.16	.245	.125	.120	2.693	.020	.00
19	3730.00	3710.00	8517.96	.079	.000	674.79	.414	.206	.208	3.540	.025	.00
20	3710.00	3690.00	7276.11	.081	.000	591.18	.768	.308	.460	4.435	.023	.00
21	3690.00	3670.00	8176.78	.081	.000	662.29	.980	.365	.615	4.238	.025	.00
22	3670.00	3650.00	9009.40	.084	.000	753.60	2.382	.835	1.547	8.098	.035	.00
23	3650.00	3630.00	9907.45	.086	.000	849.44	2.638	.886	1.752	9.319	.039	.00
24	3630.00	3610.00	9413.35	.089	.000	840.91	3.062	1.030	2.032	11.270	.054	.00
25	3610.00	3590.00	9826.13	.092	.000	905.64	3.369	1.226	2.143	15.072	.084	.00
26	3590.00	3570.00	12674.06	.096	.000	1213.99	4.048	1.512	2.536	17.007	.078	.00
27	3570.00	3550.00	13816.93	.097	.000	1344.96	3.726	1.378	2.349	16.841	.063	.00
28	3550.00	3530.00	14246.51	.100	.000	1419.67	4.460	1.733	2.727	22.310	.080	.00
29	3530.00	3510.00	15986.02	.105	.000	1671.22	5.229	1.970	3.259	23.296	.055	.00
30	3510.00	3490.00	15692.57	.110	.000	1726.30	5.642	2.134	3.508	25.167	.062	.00
31	3490.00	3470.00	15140.13	.109	.000	1654.68	6.060	2.582	4.278	27.816	.061	.00
32	3470.00	3450.00	11961.63	.109	.000	1308.86	6.431	2.267	4.163	26.853	.070	.00
33	3450.00	3430.00	8864.44	.110	.000	979.27	5.879	2.064	3.815	22.349	.048	.00
34	3430.00	3410.00	7071.94	.109	.000	768.86	5.641	2.026	3.615	21.144	.055	.00
35	3410.00	3390.00	6108.51	.103	.000	627.66	5.619	1.869	3.751	18.617	.053	.00
36	3390.00	3370.00	4331.92	.099	.000	429.53	7.087	2.324	4.763	19.201	.062	.00
37	3370.00	3350.00	4013.72	.091	.000	363.88	7.516	2.273	5.243	21.301	.088	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 4 F4 - 1989 Year End Cut Pit Surface (December 28 1989 Pit Survey)
 BOTTOM SURFACE GRID RECORD : 6 F6 - FIV 1989 Ultimate Pit Surface (May 1989 Design)

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]	A V E R A G E G R A D E S					ECONOMIC FACTOR [Cdn \$ x1000]
						[%Pb+Zn]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]	
1	4270.00	4230.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
2	4230.00	4190.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	4190.00	4150.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	4150.00	4110.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	4110.00	4070.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	4070.00	4030.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	4030.00	3990.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	3990.00	3950.00	187.38	.076	14.22	.000	.000	.000	.000	.000	.00
9	3950.00	3910.00	308.48	.076	23.41	.000	.000	.000	.000	.000	.00
10	3910.00	3890.00	164.40	.076	12.48	.000	.000	.000	.000	.000	.00
11	3890.00	3870.00	535.63	.076	40.92	.000	.000	.000	.000	.000	.00
12	3870.00	3850.00	31.82	.076	2.42	.000	.000	.000	.000	.000	.00
13	3850.00	3830.00	139.65	.076	10.60	.000	.000	.000	.000	.000	.00
14	3830.00	3810.00	1300.19	.076	98.68	.000	.000	.000	.000	.000	.00
15	3810.00	3790.00	2466.92	.076	187.27	.000	.000	.000	.000	.000	.00
16	3790.00	3770.00	4093.27	.076	311.55	.015	.005	.010	.129	.001	.00
17	3770.00	3750.00	5065.53	.076	386.98	.047	.025	.022	.611	.005	.00
18	3750.00	3730.00	8020.33	.078	627.79	.213	.111	.102	2.435	.020	.00
19	3730.00	3710.00	8225.39	.078	641.16	.159	.076	.083	1.096	.012	.00
20	3710.00	3690.00	6745.78	.078	527.45	.156	.064	.093	.850	.004	.00
21	3690.00	3670.00	7353.89	.078	572.05	.175	.057	.117	.902	.006	.00
22	3670.00	3650.00	6602.59	.077	510.73	.346	.104	.242	1.527	.001	.00
23	3650.00	3630.00	6885.44	.078	537.37	.462	.156	.306	2.201	.004	.00
24	3630.00	3610.00	6046.63	.080	484.70	.607	.210	.398	3.362	.006	.00
25	3610.00	3590.00	6180.98	.084	520.60	1.145	.410	.735	6.653	.025	.00
26	3590.00	3570.00	6858.04	.086	587.41	1.212	.411	.801	5.498	.022	.00
27	3570.00	3550.00	7497.96	.085	636.26	1.082	.371	.711	4.691	.023	.00
28	3550.00	3530.00	7338.86	.089	653.88	1.402	.553	.850	7.479	.040	.00
29	3530.00	3510.00	6433.77	.092	590.94	1.645	.575	1.069	8.721	.026	.00
30	3510.00	3490.00	4953.28	.099	489.12	1.997	.731	1.266	9.435	.023	.00
31	3490.00	3470.00	3985.43	.097	385.81	1.787	.745	1.042	9.794	.028	.00
32	3470.00	3450.00	3312.80	.093	309.68	1.680	.707	.972	9.076	.041	.00
33	3450.00	3430.00	2617.18	.093	243.57	1.728	.558	1.171	9.221	.021	.00
34	3430.00	3410.00	1756.27	.093	163.39	1.798	.598	1.200	8.266	.022	.00
35	3410.00	3390.00	2267.16	.084	190.92	2.294	.656	1.638	12.627	.072	.00
36	3390.00	3370.00	1121.65	.078	87.46	.770	.224	.546	5.049	.012	.00
37	3370.00	3350.00	1112.81	.079	88.32	.206	.052	.154	1.236	.000	.00

38	3350.00	3330.00	949.29	.077	72.65	.442	.139	.302	2.541	.005	.00
39	3330.00	3310.00	1109.27	.077	85.33	.169	.060	.110	.765	.003	.00
40	3310.00	3290.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
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TOTAL FOR ALL BENCHES			121668.10	.083	10095.14	.844	.306	.538	4.438		.02
TOTAL FOR ALL BENCHES			.00								
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MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 4 F4 - 1989 Year End Cut Pit Surface (December 28 1989 Pit Survey)
 BOTTOM SURFACE GRID RECORD : 6 F6 - FIV 1989 Ultimate Pit Surface (May 1989 Design)

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

BENCH	CREST [ft]	TOE [ft]	VOLUME [bcf x1000]	DENSITY [tn/bcf]	TONNAGE [TONS x1000]	A V E R A G E G R A D E S					ECONOMIC FACTOR [Cdn \$ x1000]
						[%Pb+Zn]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]	
1	4270.00	4230.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
2	4230.00	4190.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	4190.00	4150.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	4150.00	4110.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	4110.00	4070.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	4070.00	4030.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	4030.00	3990.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	3990.00	3950.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
9	3950.00	3910.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
10	3910.00	3890.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
11	3890.00	3870.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
12	3870.00	3850.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
13	3850.00	3830.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
14	3830.00	3810.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
15	3810.00	3790.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
16	3790.00	3770.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
17	3770.00	3750.00	43.31	.100	4.32	4.459	1.739	2.720	33.029	.186	.00
18	3750.00	3730.00	25.63	.121	3.10	4.390	2.083	2.307	40.045	.113	.00
19	3730.00	3710.00	117.56	.115	13.50	4.723	2.386	2.337	37.294	.348	.00
20	3710.00	3690.00	205.06	.122	24.95	4.528	2.231	2.296	40.390	.260	.00
21	3690.00	3670.00	236.88	.105	24.96	4.508	1.635	2.874	22.159	.088	.00
22	3670.00	3650.00	458.74	.096	44.16	4.372	1.351	3.022	14.953	.017	.00
23	3650.00	3630.00	722.13	.099	71.76	4.445	1.481	2.965	18.113	.032	.00
24	3630.00	3610.00	857.37	.102	87.74	4.512	1.346	3.166	13.708	.042	.00
25	3610.00	3590.00	1103.97	.102	112.35	4.508	1.570	2.938	22.484	.105	.00
26	3590.00	3570.00	1588.34	.103	163.21	4.534	1.780	2.754	23.652	.083	.00
27	3570.00	3550.00	1717.38	.109	187.53	4.566	1.561	3.005	18.352	.059	.00
28	3550.00	3530.00	1535.30	.110	168.50	4.440	1.641	2.799	22.156	.069	.00
29	3530.00	3510.00	1667.88	.106	177.50	4.403	1.714	2.689	22.650	.061	.00
30	3510.00	3490.00	2374.11	.109	257.93	4.518	1.735	2.783	24.039	.063	.00
31	3490.00	3470.00	1309.03	.110	144.57	4.399	1.820	2.579	24.132	.048	.00
32	3470.00	3450.00	1003.21	.112	112.51	4.412	1.732	2.680	20.930	.084	.00
33	3450.00	3430.00	1333.78	.117	155.66	4.455	1.515	2.940	18.708	.048	.00
34	3430.00	3410.00	1459.29	.108	157.68	4.622	1.620	3.003	19.114	.042	.00
35	3410.00	3390.00	822.89	.097	79.72	4.375	1.392	2.983	20.635	.092	.00
36	3390.00	3370.00	172.36	.087	15.04	4.448	1.223	3.224	21.345	.066	.00
37	3370.00	3350.00	19.45	.087	1.70	4.715	1.138	3.577	15.040	.007	.00

38	3350.00	3330.00	74.25	.084	6.22	4.397	1.514	2.883	31.060	.053	.00
39	3330.00	3310.00	42.43	.088	3.73	4.914	1.909	3.005	29.847	.219	.00
40	3310.00	3290.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
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TOTAL FOR ALL BENCHES			18890.33	.107	2018.32	4.485	1.641	2.844	21.474		.07
TOTAL FOR ALL BENCHES			.00								
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MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 4 F4 - 1989 Year End Cut Pit Surface (December 28 1989 Pit Survey)
 BOTTOM SURFACE GRID RECORD : 6 F6 - FIV 1989 Ultimate Pit Surface (May 1989 Design)

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

BENCH	CREST	TOE	VOLUME		DENSITY	TONNAGE	AVERAGE GRADES					ECONOMIC FACTOR
	[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	.000	.00	.000	.000	.000	.000	.000	.00
2	4230.00	4190.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
3	4190.00	4150.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
4	4150.00	4110.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
5	4110.00	4070.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
6	4070.00	4030.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
7	4030.00	3990.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
8	3990.00	3950.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
9	3950.00	3910.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
10	3910.00	3890.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
11	3890.00	3870.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
12	3870.00	3850.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
13	3850.00	3830.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
14	3830.00	3810.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
15	3810.00	3790.00	8.84	.119	1.05	9.895	3.523	6.372	42.100	.122	.00	
16	3790.00	3770.00	27.40	.126	3.46	8.460	3.102	5.358	35.224	.366	.00	
17	3770.00	3750.00	43.31	.103	4.47	6.071	2.140	3.932	33.723	.174	.00	
18	3750.00	3730.00	15.03	.084	1.27	6.253	2.156	4.097	38.859	.046	.00	
19	3730.00	3710.00	175.01	.115	20.14	5.639	2.875	2.764	58.706	.238	.00	
20	3710.00	3690.00	325.27	.119	38.78	6.665	2.391	4.274	30.069	.115	.00	
21	3690.00	3670.00	586.01	.111	65.27	6.684	2.575	4.109	26.621	.169	.00	
22	3670.00	3650.00	1948.08	.102	198.70	7.172	2.598	4.573	23.465	.129	.00	
23	3650.00	3630.00	2299.86	.104	240.31	6.964	2.341	4.623	22.611	.118	.00	
24	3630.00	3610.00	2509.34	.107	268.47	7.021	2.408	4.613	24.751	.143	.00	
25	3610.00	3590.00	2541.16	.107	272.69	7.145	2.642	4.503	28.090	.189	.00	
26	3590.00	3570.00	4227.62	.110	463.38	7.472	2.813	4.660	29.255	.146	.00	
27	3570.00	3550.00	4601.50	.113	521.18	6.653	2.541	4.112	31.131	.114	.00	
28	3550.00	3530.00	5372.24	.111	597.29	7.813	3.051	4.761	38.589	.127	.00	
29	3530.00	3510.00	7884.21	.115	902.78	7.737	2.934	4.804	32.964	.072	.00	
30	3510.00	3490.00	8365.04	.117	979.25	7.758	2.939	4.819	33.321	.081	.00	
31	3490.00	3470.00	9845.57	.114	1124.30	8.917	3.311	5.606	34.474	.074	.00	
32	3470.00	3450.00	7645.56	.116	886.68	8.346	2.880	5.466	33.814	.078	.00	
33	3450.00	3430.00	4913.51	.118	580.04	8.005	2.844	5.161	28.839	.059	.00	
34	3430.00	3410.00	3856.39	.116	447.78	7.402	2.689	4.712	26.558	.072	.00	
35	3410.00	3390.00	3018.46	.118	357.03	7.675	2.624	5.052	21.370	.035	.00	
36	3390.00	3370.00	3037.91	.108	327.03	8.898	2.936	5.962	22.888	.075	.00	
37	3370.00	3350.00	2881.46	.095	273.86	9.891	2.996	6.895	27.811	.116	.00	

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 4 F4 - 1989 Year End Cut Pit Surface (December 28 1989 Pit Survey)
 BOTTOM SURFACE GRID RECORD : 6 F6 - FIV 1989 Ultimate Pit Surface (May 1989 Design)

BENCH TOTALS FOR ALL MATERIAL

BENCH	CREST		TOE		VOLUME [bcf x1000]	DENSITY [tn/bcf]	TONNAGE [TONS x1000]	A V E R A G E G R A D E S					ECONOMIC FACTOR [Cdn \$ x1000]
	[ft]	[ft]				[%Pb+Zn]	[%Pb]	[%Zn]	
1	4270.00		4230.00		.00	.000	.00	.000	.000	.000	.000	.000	.00
2	4230.00		4190.00		.00	.000	.00	.000	.000	.000	.000	.000	.00
3	4190.00		4150.00		.00	.000	.00	.000	.000	.000	.000	.000	.00
4	4150.00		4110.00		.00	.000	.00	.000	.000	.000	.000	.000	.00
5	4110.00		4070.00		.00	.000	.00	.000	.000	.000	.000	.000	.00
6	4070.00		4030.00		.00	.000	.00	.000	.000	.000	.000	.000	.00
7	4030.00		3990.00		.00	.000	.00	.000	.000	.000	.000	.000	.00
8	3990.00		3950.00		187.38	.076	14.22	.000	.000	.000	.000	.000	.00
9	3950.00		3910.00		308.48	.076	23.41	.000	.000	.000	.000	.000	.00
10	3910.00		3890.00		164.40	.076	12.48	.000	.000	.000	.000	.000	.00
11	3890.00		3870.00		535.63	.076	40.92	.000	.000	.000	.000	.000	.00
12	3870.00		3850.00		31.82	.076	2.42	.000	.000	.000	.000	.000	.00
13	3850.00		3830.00		139.65	.076	10.60	.000	.000	.000	.000	.000	.00
14	3830.00		3810.00		1300.19	.076	98.68	.000	.000	.000	.000	.000	.00
15	3810.00		3790.00		2475.75	.076	188.32	.055	.020	.035	.235	.001	.00
16	3790.00		3770.00		4120.67	.076	315.01	.107	.039	.068	.515	.005	.00
17	3770.00		3750.00		5152.15	.077	395.77	.163	.068	.095	1.339	.008	.00
18	3750.00		3730.00		8060.99	.078	632.16	.245	.125	.120	2.693	.020	.00
19	3730.00		3710.00		8517.96	.079	674.79	.414	.206	.208	3.540	.025	.00
20	3710.00		3690.00		7276.11	.081	591.18	.768	.308	.460	4.435	.023	.00
21	3690.00		3670.00		8176.78	.081	662.29	.980	.365	.615	4.238	.025	.00
22	3670.00		3650.00		9009.40	.084	753.60	2.382	.835	1.547	8.098	.035	.00
23	3650.00		3630.00		9907.45	.086	849.44	2.638	.886	1.752	9.319	.039	.00
24	3630.00		3610.00		9413.35	.089	840.91	3.062	1.030	2.032	11.270	.054	.00
25	3610.00		3590.00		9826.13	.092	905.64	3.369	1.226	2.143	15.072	.084	.00
26	3590.00		3570.00		12674.06	.096	1213.99	4.048	1.512	2.536	17.007	.078	.00
27	3570.00		3550.00		13816.93	.097	1344.96	3.726	1.378	2.349	16.841	.063	.00
28	3550.00		3530.00		14246.51	.100	1419.67	4.460	1.733	2.727	22.310	.080	.00
29	3530.00		3510.00		15986.02	.105	1671.22	5.229	1.970	3.259	23.296	.055	.00
30	3510.00		3490.00		15692.57	.110	1726.30	5.642	2.134	3.508	25.167	.062	.00
31	3490.00		3470.00		15140.13	.109	1654.68	6.860	2.582	4.278	27.816	.061	.00
32	3470.00		3450.00		11961.63	.109	1308.86	6.431	2.267	4.163	26.853	.070	.00
33	3450.00		3430.00		8864.44	.110	979.27	5.879	2.064	3.815	22.349	.048	.00
34	3430.00		3410.00		7071.94	.109	768.86	5.641	2.026	3.615	21.144	.055	.00
35	3410.00		3390.00		6108.51	.103	627.66	5.619	1.869	3.751	18.617	.053	.00
36	3390.00		3370.00		4331.92	.099	429.53	7.087	2.324	4.763	19.201	.062	.00
37	3370.00		3350.00		4013.72	.091	363.88	7.516	2.273	5.243	21.301	.088	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 4 F4 - 1989 Year End Cut Pit Surface (December 28 1989 Pit Survey)
 BOTTOM SURFACE GRID RECORD : 6 F6 - FIV 1989 Ultimate Pit Surface (May 1989 Design)

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

BENCH	CREST [ft]	TOE [ft]	VOLUME [bcf x1000]	DENSITY [tn/bcf]	TONNAGE [TONS x1000]	A V E R A G E G R A D E S					ECONOMIC FACTOR [Cdn \$ x1000]
						[%Pb+Zn]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]	
1	4270.00	4230.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
2	4230.00	4190.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	4190.00	4150.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	4150.00	4110.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	4110.00	4070.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	4070.00	4030.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	4030.00	3990.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	3990.00	3950.00	187.38	.076	14.22	.000	.000	.000	.000	.000	.00
9	3950.00	3910.00	308.48	.076	23.41	.000	.000	.000	.000	.000	.00
10	3910.00	3890.00	164.40	.076	12.48	.000	.000	.000	.000	.000	.00
11	3890.00	3870.00	535.63	.076	40.92	.000	.000	.000	.000	.000	.00
12	3870.00	3850.00	31.82	.076	2.42	.000	.000	.000	.000	.000	.00
13	3850.00	3830.00	139.65	.076	10.60	.000	.000	.000	.000	.000	.00
14	3830.00	3810.00	1300.19	.076	98.68	.000	.000	.000	.000	.000	.00
15	3810.00	3790.00	2466.92	.076	187.27	.000	.000	.000	.000	.000	.00
16	3790.00	3770.00	4085.31	.076	310.86	.007	.002	.005	.063	.000	.00
17	3770.00	3750.00	5065.53	.076	386.98	.047	.025	.022	.611	.005	.00
18	3750.00	3730.00	7756.93	.077	600.13	.066	.038	.028	.915	.006	.00
19	3730.00	3710.00	8064.52	.077	622.88	.054	.027	.028	.374	.004	.00
20	3710.00	3690.00	6531.00	.077	504.29	.001	.000	.001	.006	.000	.00
21	3690.00	3670.00	7114.36	.077	548.93	.028	.009	.019	.220	.003	.00
22	3670.00	3650.00	6052.82	.076	461.38	.000	.000	.000	.000	.000	.00
23	3650.00	3630.00	6209.27	.076	473.16	.027	.009	.018	.163	.000	.00
24	3630.00	3610.00	5396.98	.078	422.56	.170	.061	.110	.707	.005	.00
25	3610.00	3590.00	4886.99	.080	391.11	.365	.126	.239	1.818	.010	.00
26	3590.00	3570.00	5496.86	.082	450.16	.517	.145	.372	2.112	.010	.00
27	3570.00	3550.00	6221.64	.081	501.98	.410	.147	.264	2.177	.012	.00
28	3550.00	3530.00	5722.26	.082	471.94	.562	.243	.318	3.895	.036	.00
29	3530.00	3510.00	4848.10	.088	426.32	.930	.297	.633	5.315	.018	.00
30	3510.00	3490.00	3126.30	.092	286.78	.904	.315	.589	4.246	.014	.00
31	3490.00	3470.00	2657.84	.087	232.50	.629	.239	.390	2.905	.009	.00
32	3470.00	3450.00	2299.86	.082	189.69	.438	.152	.286	2.451	.007	.00
33	3450.00	3430.00	1753.62	.083	145.57	.497	.149	.348	3.830	.008	.00
34	3430.00	3410.00	1114.58	.085	94.48	.456	.137	.319	2.862	.007	.00
35	3410.00	3390.00	1080.10	.083	89.14	.813	.215	.598	4.002	.019	.00
36	3390.00	3370.00	893.61	.077	68.55	.005	.002	.003	.041	.000	.00
37	3370.00	3350.00	1048.28	.079	83.12	.000	.000	.000	.000	.000	.00

38	3350.00	3330.00	828.20	.076	62.86	.000	.000	.000	.000	.000	.00
39	3330.00	3310.00	1063.31	.077	81.42	.000	.000	.000	.000	.000	.00
40	3310.00	3290.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
<hr/>											
TOTAL FOR ALL BENCHES			104452.80	.079	8296.78	.255	.090	.165	1.439		.01
TOTAL FOR ALL BENCHES			.00								
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MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 4 F4 - 1989 Year End Cut Pit Surface (December 28 1989 Pit Survey)
 BOTTOM SURFACE GRID RECORD : 6 F6 - FIV 1989 Ultimate Pit Surface (May 1989 Design)

BENCH TOTALS FOR STOCKPILE FROM 3.0000 [%Pb+Zn] TO 5.0000 [%Pb+Zn]

BENCH	CREST	TOE	VOLUME [bcf x1000]	DENSITY [tn/bcf]	TONNAGE [TONS x1000]	A V E R A G E G R A D E S					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	.00
2	4230.00	4190.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	4190.00	4150.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	4150.00	4110.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	4110.00	4070.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	4070.00	4030.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	4030.00	3990.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	3990.00	3950.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
9	3950.00	3910.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
10	3910.00	3890.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
11	3890.00	3870.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
12	3870.00	3850.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
13	3850.00	3830.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
14	3830.00	3810.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
15	3810.00	3790.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
16	3790.00	3770.00	7.95	.087	.70	3.452	1.230	2.222	29.900	.102	.00
17	3770.00	3750.00	43.31	.100	4.32	4.459	1.739	2.720	33.029	.186	.00
18	3750.00	3730.00	289.03	.106	30.77	3.486	1.735	1.751	35.887	.301	.00
19	3730.00	3710.00	278.42	.114	31.78	4.150	2.026	2.124	30.616	.303	.00
20	3710.00	3690.00	419.84	.115	48.11	4.049	1.851	2.199	30.189	.183	.00
21	3690.00	3670.00	476.41	.101	48.08	4.103	1.428	2.675	19.715	.083	.00
22	3670.00	3650.00	1008.51	.093	93.51	3.954	1.204	2.750	15.401	.011	.00
23	3650.00	3630.00	1398.30	.097	135.97	4.078	1.366	2.713	17.690	.033	.00
24	3630.00	3610.00	1507.02	.099	149.88	4.125	1.295	2.830	16.903	.032	.00
25	3610.00	3590.00	2397.97	.101	241.84	3.969	1.409	2.560	21.828	.086	.00
26	3590.00	3570.00	2949.52	.102	300.45	4.057	1.553	2.504	20.433	.074	.00
27	3570.00	3550.00	2993.71	.107	321.80	4.159	1.414	2.745	16.574	.061	.00
28	3550.00	3530.00	3151.93	.111	350.44	3.995	1.492	2.503	19.362	.059	.00
29	3530.00	3510.00	3253.58	.105	342.12	3.966	1.513	2.453	20.193	.054	.00
30	3510.00	3490.00	4201.10	.110	460.27	4.091	1.553	2.538	20.852	.051	.00
31	3490.00	3470.00	2636.62	.113	297.88	3.959	1.661	2.297	22.130	.053	.00
32	3470.00	3450.00	2016.13	.115	232.50	4.015	1.656	2.358	20.217	.090	.00
33	3450.00	3430.00	2197.33	.115	253.66	4.108	1.379	2.729	18.136	.045	.00
34	3430.00	3410.00	2100.99	.108	226.59	4.323	1.501	2.821	18.068	.042	.00
35	3410.00	3390.00	2009.95	.090	181.50	3.936	1.196	2.740	20.380	.106	.00
36	3390.00	3370.00	400.40	.085	33.94	3.943	1.116	2.828	22.381	.060	.00
37	3370.00	3350.00	83.97	.082	6.90	3.794	.944	2.851	19.532	.002	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 4 F4 - 1989 Year End Cut Pit Surface (December 28 1989 Pit Survey)
 BOTTOM SURFACE GRID RECORD : 6 F6 - FIV 1989 Ultimate Pit Surface (May 1989 Design)

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

BENCH	CREST	TOE	VOLUME		DENSITY	TONNAGE	AVERAGE GRADES					ECONOMIC FACTOR
	[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	.000	.00	.000	.000	.000	.000	.000	.00
2	4230.00	4190.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
3	4190.00	4150.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
4	4150.00	4110.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
5	4110.00	4070.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
6	4070.00	4030.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
7	4030.00	3990.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
8	3990.00	3950.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
9	3950.00	3910.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
10	3910.00	3890.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
11	3890.00	3870.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
12	3870.00	3850.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
13	3850.00	3830.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
14	3830.00	3810.00	.00	.000	.000	.00	.000	.000	.000	.000	.000	.00
15	3810.00	3790.00	8.84	.119	1.05	9.895	3.523	6.372	42.100	.122	.00	
16	3790.00	3770.00	27.40	.126	3.46	8.460	3.102	5.358	35.224	.366	.00	
17	3770.00	3750.00	43.31	.103	4.47	6.071	2.140	3.932	33.723	.174	.00	
18	3750.00	3730.00	15.03	.084	1.27	6.253	2.156	4.097	38.859	.046	.00	
19	3730.00	3710.00	175.01	.115	20.14	5.639	2.875	2.764	58.706	.238	.00	
20	3710.00	3690.00	325.27	.119	38.78	6.665	2.391	4.274	30.069	.115	.00	
21	3690.00	3670.00	586.01	.111	65.27	6.684	2.575	4.109	26.621	.169	.00	
22	3670.00	3650.00	1948.08	.102	198.70	7.172	2.598	4.573	23.465	.129	.00	
23	3650.00	3630.00	2299.86	.104	240.31	6.964	2.341	4.623	22.611	.118	.00	
24	3630.00	3610.00	2509.34	.107	268.47	7.021	2.408	4.613	24.751	.143	.00	
25	3610.00	3590.00	2541.16	.107	272.69	7.145	2.642	4.503	28.090	.189	.00	
26	3590.00	3570.00	4227.62	.110	463.38	7.472	2.813	4.660	29.255	.146	.00	
27	3570.00	3550.00	4601.50	.113	521.18	6.653	2.541	4.112	31.131	.114	.00	
28	3550.00	3530.00	5372.24	.111	597.29	7.813	3.051	4.761	38.589	.127	.00	
29	3530.00	3510.00	7884.21	.115	902.78	7.737	2.934	4.804	32.964	.072	.00	
30	3510.00	3490.00	8365.04	.117	979.25	7.758	2.939	4.819	33.321	.081	.00	
31	3490.00	3470.00	9845.57	.114	1124.30	8.917	3.311	5.606	34.474	.074	.00	
32	3470.00	3450.00	7645.56	.116	886.68	8.346	2.880	5.466	33.814	.078	.00	
33	3450.00	3430.00	4913.51	.118	580.04	8.005	2.844	5.161	28.839	.059	.00	
34	3430.00	3410.00	3856.39	.116	447.78	7.402	2.689	4.712	26.558	.072	.00	
35	3410.00	3390.00	3018.46	.118	357.03	7.675	2.624	5.052	21.370	.035	.00	
36	3390.00	3370.00	3037.91	.108	327.03	8.898	2.936	5.962	22.888	.075	.00	
37	3370.00	3350.00	2881.46	.095	273.86	9.891	2.996	6.895	27.811	.116	.00	

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 4 F4 - 1989 Year End Cut Pit Surface (December 28 1989 Pit Survey)
 BOTTOM SURFACE GRID RECORD : 6 F6 - FIV 1989 Ultimate Pit Surface (May 1989 Design)

BENCH TOTALS FOR ALL MATERIAL

BENCH	CREST	TOE	VOLUME [bcf x1000]	DENSITY [tn/bcf]	TONNAGE [TONS x1000]	A V E R A G E G R A D E S					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	.00
2	4230.00	4190.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	4190.00	4150.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	4150.00	4110.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	4110.00	4070.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	4070.00	4030.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	4030.00	3990.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	3990.00	3950.00	187.38	.076	14.22	.000	.000	.000	.000	.000	.00
9	3950.00	3910.00	308.48	.076	23.41	.000	.000	.000	.000	.000	.00
10	3910.00	3890.00	164.40	.076	12.48	.000	.000	.000	.000	.000	.00
11	3890.00	3870.00	535.63	.076	40.92	.000	.000	.000	.000	.000	.00
12	3870.00	3850.00	31.82	.076	2.42	.000	.000	.000	.000	.000	.00
13	3850.00	3830.00	139.65	.076	10.60	.000	.000	.000	.000	.000	.00
14	3830.00	3810.00	1300.19	.076	98.68	.000	.000	.000	.000	.000	.00
15	3810.00	3790.00	2475.75	.076	188.32	.055	.020	.035	.235	.001	.00
16	3790.00	3770.00	4120.67	.076	315.01	.107	.039	.068	.515	.005	.00
17	3770.00	3750.00	5152.15	.077	395.77	.163	.068	.095	1.339	.008	.00
18	3750.00	3730.00	8060.99	.078	632.16	.245	.125	.120	2.693	.020	.00
19	3730.00	3710.00	8517.96	.079	674.79	.414	.206	.208	3.540	.025	.00
20	3710.00	3690.00	7276.11	.081	591.18	.768	.308	.460	4.435	.023	.00
21	3690.00	3670.00	8176.78	.081	662.29	.980	.365	.615	4.238	.025	.00
22	3670.00	3650.00	9009.40	.084	753.60	2.382	.835	1.547	8.098	.035	.00
23	3650.00	3630.00	9907.45	.086	849.44	2.638	.886	1.752	9.319	.039	.00
24	3630.00	3610.00	9413.35	.089	840.91	3.062	1.030	2.032	11.270	.054	.00
25	3610.00	3590.00	9826.13	.092	905.64	3.369	1.226	2.143	15.072	.084	.00
26	3590.00	3570.00	12674.06	.096	1213.99	4.048	1.512	2.536	17.007	.078	.00
27	3570.00	3550.00	13816.93	.097	1344.96	3.726	1.378	2.349	16.841	.063	.00
28	3550.00	3530.00	14246.51	.100	1419.67	4.460	1.733	2.727	22.310	.080	.00
29	3530.00	3510.00	15986.02	.105	1671.22	5.229	1.970	3.259	23.296	.055	.00
30	3510.00	3490.00	15692.57	.110	1726.30	5.642	2.134	3.508	25.167	.062	.00
31	3490.00	3470.00	15140.13	.109	1654.68	6.860	2.582	4.278	27.816	.061	.00
32	3470.00	3450.00	11961.63	.109	1308.86	6.431	2.267	4.163	26.853	.070	.00
33	3450.00	3430.00	8864.44	.110	979.27	5.879	2.064	3.815	22.349	.048	.00
34	3430.00	3410.00	7071.94	.109	768.86	5.641	2.026	3.615	21.144	.055	.00
35	3410.00	3390.00	6108.51	.103	627.66	5.619	1.869	3.751	18.617	.053	.00
36	3390.00	3370.00	4331.92	.099	429.53	7.087	2.324	4.763	19.201	.062	.00
37	3370.00	3350.00	4013.72	.091	363.88	7.516	2.273	5.243	21.301	.088	.00

38	3350.00	3330.00	3038.79	.088	267.19	7.994	2.459	5.535	23.272	.034	.00
39	3330.00	3310.00	2309.58	.084	193.77	5.035	1.725	3.309	25.979	.066	.00
40	3310.00	3290.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
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TOTAL FOR ALL BENCHES			219861.00	.095	20981.70	4.210	1.524	2.686	17.301		.05
TOTAL FOR ALL BENCHES			.00								
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MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 4 F4 - 1989 Year End Cut Pit Surface (December 28 1989 Pit Survey)
 BOTTOM SURFACE GRID RECORD : 6 F6 - FIV 1989 Ultimate Pit Surface (May 1989 Design)

BENCH TOTALS FOR WASTE FROM

4.0000 [%PB+Zn] TONS

BENCH	CREST	TOE	VOLUME	DENSITY	TONNAGE	AVERAGE GRADES	ECONOMIC FACTOR
	[ft]	[ft]	[bcft x1000]	[t/bcft]	[TONS x1000] [%PB+Zn] [%PB]	[Ag g/ft] [%Zn]	[Cdn \$ x1000]

1	4270.00	4230.00	4.00	.00	.00	.00	.00
2	4230.00	4190.00	.00	.00	.00	.00	.00
3	4190.00	4150.00	.00	.00	.00	.00	.00
4	4150.00	4110.00	.00	.00	.00	.00	.00
5	4110.00	4070.00	.00	.00	.00	.00	.00
6	4070.00	4030.00	.00	.00	.00	.00	.00
7	4030.00	3990.00	.00	.00	.00	.00	.00
8	3990.00	3950.00	187.38	.076	14.22	.00	.00
9	3950.00	3910.00	308.48	.076	23.41	.00	.00
10	3910.00	3890.00	164.40	.076	12.48	.00	.00
11	3890.00	3870.00	535.63	.076	40.92	.00	.00
12	3870.00	3850.00	31.82	.076	2.42	.00	.00
13	3850.00	3830.00	139.65	.076	10.60	.00	.00
14	3830.00	3810.00	1300.19	.076	98.68	.00	.00
15	3810.00	3790.00	2466.92	.076	187.27	.00	.00
16	3790.00	3770.00	4093.27	.076	311.55	.015	.005
17	3770.00	3750.00	5065.53	.076	386.98	.047	.005
18	3750.00	3730.00	8020.33	.078	627.79	.213	.020
19	3730.00	3710.00	8225.39	.078	641.16	.159	.012
20	3710.00	3690.00	6745.78	.078	527.45	.156	.004
21	3690.00	3670.00	7353.89	.078	572.05	.175	.006
22	3670.00	3650.00	6602.59	.077	510.73	.104	.001
23	3650.00	3630.00	6885.44	.078	537.37	.156	.004
24	3630.00	3610.00	6046.63	.080	484.70	.210	.006
25	3610.00	3590.00	6180.98	.084	520.60	.410	.025
26	3590.00	3570.00	6858.04	.086	587.41	.411	.022
27	3570.00	3550.00	7497.96	.085	636.26	.371	.023
28	3550.00	3530.00	7338.86	.089	653.88	.402	.040
29	3530.00	3510.00	6433.77	.092	590.94	.575	.026
30	3510.00	3490.00	4953.28	.099	489.12	.731	.023
31	3490.00	3470.00	3985.43	.097	385.81	.745	.028
32	3470.00	3450.00	3312.80	.093	309.68	.707	.041
33	3450.00	3430.00	2617.18	.093	243.57	.558	.021
34	3430.00	3410.00	1756.27	.093	163.39	.1798	.022
35	3410.00	3390.00	2267.16	.084	190.92	2.294	.072
36	3390.00	3370.00	1121.65	.078	87.46	.770	.012
37	3370.00	3350.00	1112.81	.079	88.32	.206	.000

38	3350.00	3330.00	949.29	.077	72.65	.442	.139	.302	2.541	.005	.00
39	3330.00	3310.00	1109.27	.077	85.33	.169	.060	.110	.765	.003	.00
40	3310.00	3290.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
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TOTAL FOR ALL BENCHES			121668.10	.083	10095.14	.844	.306	.538	4.438		.02
TOTAL FOR ALL BENCHES			.00								
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MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 4 F4 - 1989 Year End Cut Pit Surface (December 28 1989 Pit Survey)
 BOTTOM SURFACE GRID RECORD : 6 F6 - FIV 1989 Ultimate Pit Surface (May 1989 Design)

BENCH TOTALS FOR STOCKPILE FROM 4.0000 [%Pb+Zn] TO 6.0000 [%Pb+Zn]

BENCH	CREST [ft]	TOE [ft]	VOLUME [bcf x1000]	DENSITY [tn/bcf]	TONNAGE [TONS x1000]	A V E R A G E G R A D E S					ECONOMIC FACTOR [Cdn \$ x1000]
						[%Pb+Zn]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]	
1	4270.00	4230.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
2	4230.00	4190.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	4190.00	4150.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	4150.00	4110.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	4110.00	4070.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	4070.00	4030.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	4030.00	3990.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	3990.00	3950.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
9	3950.00	3910.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
10	3910.00	3890.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
11	3890.00	3870.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
12	3870.00	3850.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
13	3850.00	3830.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
14	3830.00	3810.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
15	3810.00	3790.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
16	3790.00	3770.00	.88	.125	.11	5.769	2.274	3.495	29.300	.528	.00
17	3770.00	3750.00	60.99	.102	6.24	4.716	1.820	2.895	32.821	.180	.00
18	3750.00	3730.00	25.63	.121	3.10	4.390	2.083	2.307	40.045	.113	.00
19	3730.00	3710.00	273.12	.117	31.99	5.229	2.706	2.523	50.561	.292	.00
20	3710.00	3690.00	332.34	.122	40.66	4.874	2.232	2.643	36.436	.211	.00
21	3690.00	3670.00	403.05	.106	42.69	4.974	1.821	3.153	23.298	.109	.00
22	3670.00	3650.00	795.49	.098	78.11	4.826	1.559	3.268	16.004	.037	.00
23	3650.00	3630.00	1162.30	.102	118.11	4.891	1.649	3.242	18.667	.053	.00
24	3630.00	3610.00	1418.63	.103	146.80	4.967	1.541	3.425	16.411	.075	.00
25	3610.00	3590.00	1924.21	.102	196.54	4.950	1.701	3.250	22.075	.121	.00
26	3590.00	3570.00	3021.11	.105	316.10	4.989	1.882	3.107	24.669	.091	.00
27	3570.00	3550.00	3366.71	.112	376.99	5.039	1.790	3.250	21.790	.070	.00
28	3550.00	3530.00	2448.35	.109	266.62	4.813	1.770	3.042	23.073	.071	.00
29	3530.00	3510.00	3407.37	.108	367.47	4.975	1.909	3.066	25.662	.061	.00
30	3510.00	3490.00	4226.74	.107	452.11	4.915	1.869	3.047	25.766	.065	.00
31	3490.00	3470.00	2442.17	.106	259.41	4.885	1.916	2.969	24.783	.061	.00
32	3470.00	3450.00	2283.95	.110	250.69	5.020	1.864	3.156	23.344	.095	.00
33	3450.00	3430.00	2605.69	.116	301.19	4.978	1.726	3.252	19.956	.055	.00
34	3430.00	3410.00	2821.35	.105	296.50	4.997	1.751	3.245	20.570	.066	.00
35	3410.00	3390.00	1260.42	.102	128.26	4.850	1.589	3.261	20.530	.080	.00
36	3390.00	3370.00	366.81	.088	32.40	5.020	1.398	3.622	20.606	.076	.00
37	3370.00	3350.00	289.03	.088	25.39	5.592	1.486	4.106	25.253	.096	.00

38	3350.00	3330.00	165.29	.086	14.15	5.020	1.716	3.304	29.832	.072	.00
39	3330.00	3310.00	202.41	.087	17.58	5.520	2.041	3.479	40.904	.203	.00
40	3310.00	3290.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
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TOTAL FOR ALL BENCHES			35304.05	.107	3769.20	4.959	1.801	3.158	23.173		.08
TOTAL FOR ALL BENCHES			.00								
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MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 4 F4 - 1989 Year End Cut Pit Surface (December 28 1989 Pit Survey)
 BOTTOM SURFACE GRID RECORD : 6 F6 - FIV 1989 Ultimate Pit Surface (May 1989 Design)

BENCH TOTALS FOR ORE ABOVE 6.0000 [%Pb+Zn]

BENCH	CREST	TOE	VOLUME		DENSITY	TONNAGE		A V E R A G E G R A D E S				ECONOMIC
	[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	.000	.000	.00
2	4230.00	4190.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
3	4190.00	4150.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
4	4150.00	4110.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
5	4110.00	4070.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
6	4070.00	4030.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
7	4030.00	3990.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
8	3990.00	3950.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
9	3950.00	3910.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
10	3910.00	3890.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
11	3890.00	3870.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
12	3870.00	3850.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
13	3850.00	3830.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
14	3830.00	3810.00	.00		.000	.00	.000	.000	.000	.000	.000	.00
15	3810.00	3790.00	8.84		.119	1.05	9.895	3.523	6.372	42.100	.122	.00
16	3790.00	3770.00	26.52		.126	3.35	8.549	3.130	5.419	35.420	.361	.00
17	3770.00	3750.00	25.63		.100	2.55	6.657	2.243	4.415	34.751	.181	.00
18	3750.00	3730.00	15.03		.084	1.27	6.253	2.156	4.097	38.859	.046	.00
19	3730.00	3710.00	19.45		.085	1.65	6.106	2.162	3.944	41.450	.096	.00
20	3710.00	3690.00	197.99		.117	23.07	7.511	2.499	5.011	30.007	.102	.00
21	3690.00	3670.00	419.84		.113	47.55	7.077	2.759	4.319	27.263	.180	.00
22	3670.00	3650.00	1611.32		.102	164.75	7.533	2.757	4.776	24.720	.142	.00
23	3650.00	3630.00	1859.69		.104	193.95	7.294	2.443	4.850	23.348	.126	.00
24	3630.00	3610.00	1948.08		.107	209.41	7.410	2.571	4.839	25.970	.148	.00
25	3610.00	3590.00	1720.92		.110	188.50	7.862	2.984	4.877	31.021	.210	.00
26	3590.00	3570.00	2794.84		.111	310.48	8.456	3.218	5.239	30.979	.168	.00
27	3570.00	3550.00	2952.17		.112	331.72	7.307	2.841	4.466	34.522	.133	.00
28	3550.00	3530.00	4459.20		.112	499.16	8.276	3.259	5.017	41.330	.137	.00
29	3530.00	3510.00	6144.74		.116	712.82	8.331	3.158	5.173	34.160	.075	.00
30	3510.00	3490.00	6512.44		.121	785.07	8.331	3.160	5.171	34.623	.085	.00
31	3490.00	3470.00	8712.41		.116	1009.45	9.306	3.456	5.850	35.483	.073	.00
32	3470.00	3450.00	6364.83		.118	748.49	8.869	3.048	5.821	35.384	.073	.00
33	3450.00	3430.00	3641.60		.119	434.51	8.831	3.142	5.689	31.368	.057	.00
34	3430.00	3410.00	2494.32		.124	308.96	8.291	3.044	5.248	28.505	.062	.00
35	3410.00	3390.00	2580.94		.120	308.49	7.997	2.736	5.262	21.529	.030	.00
36	3390.00	3370.00	2843.45		.109	309.68	9.087	3.014	6.073	23.051	.075	.00
37	3370.00	3350.00	2611.87		.096	250.17	10.292	3.137	7.156	27.983	.118	.00

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves By Period

TOP SURFACE GRID RECORD : 4 F4 - 1989 Year End Cut Pit Surface (December 28 1989 Pit Survey)
 BOTTOM SURFACE GRID RECORD : 6 F6 - FIV 1989 Ultimate Pit Surface (May 1989 Design)

BENCH TOTALS FOR ALL MATERIAL

BENCH	CREST	TOE	VOLUME [bcf x1000]	DENSITY [tn/bcf]	TONNAGE [TONS x1000]	A V E R A G E G R A D E S					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	.00
2	4230.00	4190.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
3	4190.00	4150.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
4	4150.00	4110.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
5	4110.00	4070.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
6	4070.00	4030.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
7	4030.00	3990.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
8	3990.00	3950.00	187.38	.076	14.22	.000	.000	.000	.000	.000	.00
9	3950.00	3910.00	308.48	.076	23.41	.000	.000	.000	.000	.000	.00
10	3910.00	3890.00	164.40	.076	12.48	.000	.000	.000	.000	.000	.00
11	3890.00	3870.00	535.63	.076	40.92	.000	.000	.000	.000	.000	.00
12	3870.00	3850.00	31.82	.076	2.42	.000	.000	.000	.000	.000	.00
13	3850.00	3830.00	139.65	.076	10.60	.000	.000	.000	.000	.000	.00
14	3830.00	3810.00	1300.19	.076	98.68	.000	.000	.000	.000	.000	.00
15	3810.00	3790.00	2475.75	.076	188.32	.055	.020	.035	.235	.001	.00
16	3790.00	3770.00	4120.67	.076	315.01	.107	.039	.068	.515	.005	.00
17	3770.00	3750.00	5152.15	.077	395.77	.163	.068	.095	1.339	.008	.00
18	3750.00	3730.00	8060.99	.078	632.16	.245	.125	.120	2.693	.020	.00
19	3730.00	3710.00	8517.96	.079	674.79	.414	.206	.208	3.540	.025	.00
20	3710.00	3690.00	7276.11	.081	591.18	.768	.308	.460	4.435	.023	.00
21	3690.00	3670.00	8176.78	.081	662.29	.980	.365	.615	4.238	.025	.00
22	3670.00	3650.00	9009.40	.084	753.60	2.382	.835	1.547	8.098	.035	.00
23	3650.00	3630.00	9907.45	.086	849.44	2.638	.886	1.752	9.319	.039	.00
24	3630.00	3610.00	9413.35	.089	840.91	3.062	1.030	2.032	11.270	.054	.00
25	3610.00	3590.00	9826.13	.092	905.64	3.369	1.226	2.143	15.072	.084	.00
26	3590.00	3570.00	12674.06	.096	1213.99	4.048	1.512	2.536	17.007	.078	.00
27	3570.00	3550.00	13816.93	.097	1344.96	3.726	1.378	2.349	16.841	.063	.00
28	3550.00	3530.00	14246.51	.100	1419.67	4.460	1.733	2.727	22.310	.080	.00
29	3530.00	3510.00	15986.02	.105	1671.22	5.229	1.970	3.259	23.296	.055	.00
30	3510.00	3490.00	15692.57	.110	1726.30	5.642	2.134	3.508	25.167	.062	.00
31	3490.00	3470.00	15140.13	.109	1654.68	6.860	2.582	4.278	27.816	.061	.00
32	3470.00	3450.00	11961.63	.109	1308.86	6.431	2.267	4.163	26.853	.070	.00
33	3450.00	3430.00	8864.44	.110	979.27	5.879	2.064	3.815	22.349	.048	.00
34	3430.00	3410.00	7071.94	.109	768.86	5.641	2.026	3.615	21.144	.055	.00
35	3410.00	3390.00	6108.51	.103	627.66	5.619	1.869	3.751	18.617	.053	.00
36	3390.00	3370.00	4331.92	.099	429.53	7.087	2.324	4.763	19.201	.062	.00
37	3370.00	3350.00	4013.72	.091	363.88	7.516	2.273	5.243	21.301	.088	.00

38	3350.00	3330.00	3038.79	.088	267.19	7.994	2.459	5.535	23.272	.034	.00
39	3330.00	3310.00	2309.58	.084	193.77	5.035	1.725	3.309	25.979	.066	.00
40	3310.00	3290.00	.00	.000	.00	.000	.000	.000	.000	.000	.00
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TOTAL FOR ALL BENCHES			219861.00	.095	20981.70	4.210	1.524	2.686	17.301		.05
TOTAL FOR ALL BENCHES			.00								
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