

MINING RESERVE EVALUATION

DESCRIPTION : Mining Reserves - Stage 3 Pit

TOTAL FOR ALL BENCHES

TOP ELEVATION : 1336.00 [m]
 BOTTOM ELEVATION : 998.50 [m]

TOP SURFACE GRID RECORD : 1 G1 - Grum 1979 Orthophoto Surface Topography (POLYSECT)
 BOTTOM SURFACE GRID RECORD : 25 G25 - I.V. Final Pit (stage 3)

BENCHES USED :

BENCH 1 TO 70

BLOCKS USED :

COLUMNS 1 TO 120 ROWS 1 TO 110

INCREMENTAL RESULTS

CUT-OFF GRADES		ROCK-TYPE CODE	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES				ECONOMIC FACTOR [\$Cdn x1000]	
FROM [%Pb+Zn]	TO [%Pb+Zn]					[%Pb+Zn]	[%Pb]	[%Zn]	[Ag g/m]		[Au g/m]
6.000	50.000	1	442.87	3.174	1405.57	8.114	2.890	5.224	.048	.983	29897.73
6.000	50.000	2	1873.14	3.094	5795.37	8.132	2.914	5.218	.049	.848	118786.20
6.000	50.000	3	22.01	3.341	73.53	8.367	3.018	5.349	.051	.625	1495.13
6.000	50.000	4	713.24	3.246	2315.45	10.670	3.822	6.848	.063	.914	72778.77
6.000	50.000	5	273.84	3.663	1002.99	10.613	4.044	6.570	.066	1.019	30819.32
6.000	50.000	6	822.08	4.029	3312.16	14.687	5.510	9.177	.092	1.305	163436.30
6.000	50.000	7	547.78	4.079	2234.22	12.274	5.047	7.227	.084	1.012	79847.54
6.000	50.000	8	8.63	3.763	32.47	15.213	5.193	10.020	.106	1.322	1741.21
6.000	50.000	9	136.62	3.024	413.14	7.700	2.746	4.954	.048	.677	7384.77
5.000	6.000	1	416.34	3.049	1269.44	5.493	1.945	3.549	.035	.795	12848.13
5.000	6.000	2	223.49	3.017	674.17	5.641	2.155	3.486	.034	.783	6698.37
5.000	6.000	3	29.21	3.103	90.62	5.476	1.885	3.591	.035	.446	770.06
5.000	6.000	4	34.80	3.059	106.46	5.636	2.132	3.504	.036	.667	1000.55
5.000	6.000	5	45.91	3.813	175.08	5.404	2.147	3.258	.039	1.109	1914.29
5.000	6.000	6	1.62	3.605	5.84	5.677	2.169	3.508	.043	1.005	67.26
5.000	6.000	9	46.98	3.013	141.56	5.455	1.928	3.528	.032	.627	1281.82
4.000	5.000	1	571.45	3.029	1730.98	4.484	1.647	2.836	.030	.732	10219.93
4.000	5.000	2	26.21	2.984	78.20	4.804	1.952	2.852	.030	.861	535.97
4.000	5.000	3	145.21	2.997	435.16	4.417	1.564	2.853	.028	.545	2145.02
4.000	5.000	4	9.74	2.950	28.74	4.704	1.734	2.970	.032	.512	159.21
4.000	5.000	5	35.99	3.765	135.49	4.593	1.794	2.799	.037	1.088	1108.25
4.000	5.000	9	149.92	2.920	437.82	4.396	1.702	2.694	.028	.570	1854.52
3.000	4.000	1	392.34	2.981	1169.75	3.567	1.377	2.189	.025	.715	2677.93
3.000	4.000	2	.54	3.129	1.69	3.848	1.379	2.469	.033	.846	7.91
3.000	4.000	3	83.83	3.208	268.97	3.505	1.445	2.060	.025	.580	335.41
3.000	4.000	4	13.94	3.218	44.87	3.309	1.674	1.636	.030	.667	14.27
3.000	4.000	5	9.46	3.918	37.05	3.475	1.430	2.045	.029	.027	-58.78

3.000	4.000	6	.54	2.962	1.60	3.248	1.112	2.136	.020	.436	.09
3.000	4.000	9	115.48	2.892	333.96	3.601	1.603	1.998	.024	.596	279.57
.010	3.000	1	116.22	2.971	345.24	2.605	.979	1.625	.020	.687	-251.52
.010	3.000	3	87.78	3.318	291.21	2.551	.847	1.704	.021	.741	-13.97
.010	3.000	4	.54	3.593	1.94	2.855	.944	1.911	.025	1.096	5.50
.010	3.000	9	17.28	2.833	48.95	2.836	1.150	1.686	.020	.620	-42.36
.000	.010	1	2.70	2.850	7.70	.000	.000	.000	.000	.000	-14.85
.000	.010	2	12.43	2.850	35.43	.000	.000	.000	.000	.000	-75.46
.000	.010	3	6.01	2.917	17.54	.000	.000	.000	.000	.000	-36.50
.000	.010	4	24.30	2.850	69.26	.000	.000	.000	.000	.000	-144.05
.000	.010	5	16.81	2.855	48.00	.000	.000	.000	.000	.000	-99.16
.000	.010	6	15.71	2.850	44.77	.000	.000	.000	.000	.000	-90.30
.000	.010	7	17.28	2.850	49.25	.000	.000	.000	.000	.000	-96.37
.000	.010	8	4.32	2.850	12.31	.000	.000	.000	.000	.000	-24.54
.000	.010	9	24.30	2.853	69.34	.000	.000	.000	.000	.000	-137.01
.000	9999.000	10	54328.21	2.700	146686.20	.000	.000	.000	.000	.000	-161318.90
.000	9999.000	11	13263.35	2.099	27839.99	.000	.000	.000	.000	.000	-29381.33

TOTAL			75130.45	2.653	199319.40	1.049	.391	.658	.007	.110	358326.10
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BENCHES USED :

BENCH 1 TO 70

BLOCKS USED :

COLUMNS 1 TO 120 ROWS 1 TO 110

CUMULATIVE RESULTS

CUT-OFF GRADES		ROCK-TYPE CODE	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]
FROM [%Pb+Zn]	TO [%Pb+Zn]					[%Pb+Zn]	[%Pb]	[%Zn]	[Ag g/m]	[Au g/m]	
6.000	50.000	1	442.87	3.174	1405.57	8.114	2.890	5.224	.048	.983	29897.73
6.000	50.000	2	2316.01	3.109	7200.94	8.129	2.909	5.219	.049	.875	148683.90
6.000	50.000	3	2338.02	3.111	7274.46	8.131	2.910	5.221	.049	.872	150179.00
6.000	50.000	4	3051.26	3.143	9589.91	8.744	3.131	5.613	.053	.882	222957.80
6.000	50.000	5	3325.10	3.186	10592.90	8.921	3.217	5.704	.054	.895	253777.20
6.000	50.000	6	4147.19	3.353	13905.07	10.295	3.763	6.531	.063	.993	417213.50
6.000	50.000	7	4694.96	3.438	16139.28	10.569	3.941	6.628	.066	.996	497061.10
6.000	50.000	8	4703.59	3.438	16171.75	10.578	3.944	6.634	.066	.996	498802.30
6.000	50.000	9	4840.21	3.426	16584.89	10.506	3.914	6.593	.066	.988	506187.00
5.000	6.000	1	5256.55	3.397	17854.33	10.150	3.774	6.376	.063	.975	519035.20
5.000	6.000	2	5480.04	3.381	18528.50	9.986	3.715	6.271	.062	.968	525733.60
5.000	6.000	3	5509.25	3.380	18619.12	9.964	3.706	6.258	.062	.965	526503.60
5.000	6.000	4	5544.05	3.378	18725.58	9.939	3.697	6.242	.062	.963	527504.10
5.000	6.000	5	5589.96	3.381	18900.66	9.897	3.683	6.215	.062	.965	529418.40
5.000	6.000	6	5591.58	3.381	18906.50	9.896	3.682	6.214	.062	.965	529485.70
5.000	6.000	7	5591.58	3.381	18906.50	9.896	3.682	6.214	.062	.965	529485.70
5.000	6.000	8	5591.58	3.381	18906.50	9.896	3.682	6.214	.062	.965	529485.70
5.000	6.000	9	5638.56	3.378	19048.06	9.863	3.669	6.194	.062	.962	530767.50
4.000	5.000	1	6210.01	3.346	20779.04	9.415	3.501	5.914	.059	.943	540987.40
4.000	5.000	2	6236.22	3.345	20857.24	9.397	3.495	5.903	.059	.943	541523.40
4.000	5.000	3	6381.43	3.337	21292.40	9.296	3.455	5.840	.058	.935	543668.50
4.000	5.000	4	6391.18	3.336	21321.14	9.290	3.453	5.836	.058	.934	543827.70
4.000	5.000	5	6427.16	3.338	21456.63	9.260	3.443	5.817	.058	.935	544935.90
4.000	5.000	6	6427.16	3.338	21456.63	9.260	3.443	5.817	.058	.935	544935.90
4.000	5.000	7	6427.16	3.338	21456.63	9.260	3.443	5.817	.058	.935	544935.90
4.000	5.000	8	6427.16	3.338	21456.63	9.260	3.443	5.817	.058	.935	544935.90
4.000	5.000	9	6577.08	3.329	21894.45	9.163	3.408	5.755	.057	.928	546790.40

X 1.05

3.000	4.000	1	6969.42	3.309	23064.20	8.879	3.305	5.574	.056	.917	549468.40
3.000	4.000	2	6969.96	3.309	23065.89	8.878	3.305	5.574	.056	.917	549476.40
3.000	4.000	3	7053.79	3.308	23334.86	8.816	3.283	5.533	.055	.913	549811.80
3.000	4.000	4	7067.74	3.308	23379.73	8.806	3.280	5.526	.055	.913	549826.10
3.000	4.000	5	7077.19	3.309	23416.78	8.797	3.277	5.520	.055	.911	549767.30
3.000	4.000	6	7077.73	3.309	23418.38	8.797	3.277	5.520	.055	.911	549767.30
3.000	4.000	7	7077.73	3.309	23418.38	8.797	3.277	5.520	.055	.911	549767.30
3.000	4.000	8	7077.73	3.309	23418.38	8.797	3.277	5.520	.055	.911	549767.30
3.000	4.000	9	7193.21	3.302	23752.34	8.724	3.254	5.471	.055	.907	550046.90
.010	3.000	1	7309.43	3.297	24097.58	8.636	3.221	5.415	.054	.904	549795.30
.010	3.000	2	7309.43	3.297	24097.58	8.636	3.221	5.415	.054	.904	549795.30
.010	3.000	3	7397.21	3.297	24388.79	8.564	3.193	5.371	.054	.902	549781.40
.010	3.000	4	7397.75	3.297	24390.73	8.563	3.192	5.371	.054	.902	549786.90
.010	3.000	5	7397.75	3.297	24390.73	8.563	3.192	5.371	.054	.902	549786.90
.010	3.000	6	7397.75	3.297	24390.73	8.563	3.192	5.371	.054	.902	549786.90
.010	3.000	7	7397.75	3.297	24390.73	8.563	3.192	5.371	.054	.902	549786.90
.010	3.000	8	7397.75	3.297	24390.73	8.563	3.192	5.371	.054	.902	549786.90
.010	3.000	9	7415.03	3.296	24439.68	8.552	3.188	5.363	.054	.901	549744.50
.000	.010	1	7417.73	3.296	24447.38	8.549	3.187	5.362	.054	.901	549729.70
.000	.010	2	7430.16	3.295	24482.81	8.537	3.183	5.354	.054	.899	549654.20
.000	.010	3	7436.17	3.295	24500.35	8.531	3.180	5.350	.054	.899	549617.80
.000	.010	4	7460.47	3.293	24569.60	8.507	3.171	5.335	.054	.896	549473.70
.000	.010	5	7477.28	3.292	24617.60	8.490	3.165	5.325	.054	.894	549374.50
.000	.010	6	7492.99	3.291	24662.37	8.475	3.160	5.315	.054	.893	549284.30
.000	.010	7	7510.27	3.290	24711.61	8.458	3.153	5.304	.053	.891	549187.80
.000	.010	8	7514.59	3.290	24723.93	8.453	3.152	5.302	.053	.891	549163.30
.000	.010	9	7538.89	3.289	24793.26	8.430	3.143	5.287	.053	.888	549026.30
.000	9999.000	10	61867.11	2.772	171479.40	1.219	.454	.764	.008	.128	387707.40
.000	9999.000	11	75130.45	2.653	199319.40	1.049	.391	.658	.007	.110	358326.10
.000	9999.000	****	75130.45	2.653	199319.40	1.049	.391	.658	.007	.110	358326.10

TOTAL			75130.45	2.653	199319.40	1.049	.391	.658	.007	.110	358326.10
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