

PC-MINE VERSION 1.10
 SERIAL NO : 20320
 25/ 2/1987

Curragh Resources
 Undergrum 8606 Geological Model

SOFTWARE BY GENCON SERVICES INC
 MODULE 3.11
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IN-SITU ORE RESERVE EVALUATION

DESCRIPTION : GRUM RESERVES BENEATH PIT FOR SECT 86W

TOTAL FOR ALL BENCHES

TOP ELEVATION : 1336.00 [m]
 BOTTOM ELEVATION : 868.00 [m]

SURFACE GRID RECORD : 6 Undergrum BP86 pit
 RESERVE INSIDE POLYGON RECORD : 2 SECTION 86 W VOLUME LIMITS

INCREMENTAL RESULTS

CUT-OFF GRADES		ROCK-TYPE CODE	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES				
FROM [EGF]	TO [EGF]					[EGF]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]
14.000	100.000	5	2.70	3.890	10.50	14.503	5.520	8.983	90.209	.000
14.000	100.000	6	9.18	4.472	41.05	19.348	7.048	12.300	129.029	1.517
14.000	100.000	7	1.08	4.214	4.55	15.109	5.193	9.916	100.488	1.270
12.000	14.000	2	9.72	3.630	35.29	12.217	4.837	7.380	80.351	1.263
12.000	14.000	5	1.08	3.833	4.14	13.525	5.224	8.301	85.003	.000
12.000	14.000	6	1.62	4.104	6.65	12.841	4.446	8.395	67.667	.000
10.000	12.000	1	2.70	3.144	8.49	10.631	4.229	6.402	67.809	.888
10.000	12.000	2	5.89	3.419	20.14	10.953	4.265	6.687	71.492	.979
10.000	12.000	4	9.78	3.157	30.87	10.162	4.122	6.040	67.189	1.032
10.000	12.000	6	10.80	3.963	42.80	10.708	3.812	6.896	63.779	.647
10.000	12.000	7	5.94	4.196	24.92	10.974	4.564	6.410	75.468	.079
8.000	10.000	1	4.46	3.098	13.83	9.022	3.525	5.497	57.952	.206
8.000	10.000	2	25.30	3.241	81.99	9.043	3.597	5.446	62.564	.643
8.000	10.000	4	15.12	3.179	48.07	9.032	3.747	5.285	63.836	.902
8.000	10.000	6	5.94	4.036	23.97	9.528	3.516	6.012	59.275	.835
6.000	8.000	1	4.32	3.042	13.14	6.661	2.649	4.012	43.648	.108
6.000	8.000	2	14.04	3.257	45.73	6.179	2.268	3.911	31.079	.547
6.000	8.000	4	14.04	3.084	43.30	7.524	3.000	4.524	54.399	.772
4.000	6.000	1	3.41	3.018	10.28	5.110	2.012	3.098	34.426	.000
.010	4.000	1	5.89	3.112	18.33	2.610	1.190	1.420	23.594	.657
.000	.010	1	32.11	3.000	96.34	.000	.000	.000	.000	.000
.000	.010	2	3.78	3.000	11.34	.000	.000	.000	.000	.000
.000	.010	3	6.48	3.000	19.44	.000	.000	.000	.000	.000
.000	.010	4	83.16	3.000	249.48	.000	.000	.000	.000	.000
.000	.010	5	.54	3.000	1.62	.000	.000	.000	.000	.000
.000	.010	6	22.14	3.000	66.42	.000	.000	.000	.000	.000
.000	.010	7	70.20	3.000	210.60	.000	.000	.000	.000	.000
.000	.010	9	9.72	3.000	29.16	.000	.000	.000	.000	.000
.000	9999.000	10	8146.57	2.700	21995.74	.000	.000	.000	.000	.000

TOTAL

8527.72

2.722

23208.19

.227

.088

.139

1.491

.017



IN-SITU ORE RESERVE EVALUATION

DESCRIPTION : GRUM RESERVES BENEATH PIT FOR SECT 86W

TOTAL FOR ALL BENCHES

TOP ELEVATION : 1336.00 [m]
 BOTTOM ELEVATION : 868.00 [m]

SURFACE GRID RECORD : 6 Undergrum BP86 pit
 RESERVE INSIDE POLYGON RECORD : 2 SECTION 86 W VOLUME LIMITS

CUMULATIVE RESULTS

CUT-OFF GRADES		ROCK-TYPE CODE	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES				
FROM [EGF]	TO [EGF]					[EGF]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]
14.000	100.000	5	2.70	3.890	10.50	14.503	5.520	8.983	90.209	.000
14.000	100.000	6	11.88	4.340	51.55	18.361	6.736	11.624	121.120	1.208
14.000	100.000	7	12.96	4.329	56.11	18.097	6.611	11.486	119.447	1.213
14.000	100.000	8	12.96	4.329	56.11	18.097	6.611	11.486	119.447	1.213
14.000	100.000	9	12.96	4.329	56.11	18.097	6.611	11.486	119.447	1.213
12.000	14.000	1	12.96	4.329	56.11	18.097	6.611	11.486	119.447	1.213
12.000	14.000	2	22.68	4.030	91.39	15.827	5.926	9.901	104.352	1.232
12.000	14.000	3	22.68	4.030	91.39	15.827	5.926	9.901	104.352	1.232
12.000	14.000	4	22.68	4.030	91.39	15.827	5.926	9.901	104.352	1.232
12.000	14.000	5	23.76	4.021	95.53	15.727	5.896	9.831	103.514	1.179
12.000	14.000	6	25.38	4.026	102.18	15.539	5.801	9.738	101.181	1.102
12.000	14.000	7	25.38	4.026	102.18	15.539	5.801	9.738	101.181	1.102
12.000	14.000	8	25.38	4.026	102.18	15.539	5.801	9.738	101.181	1.102
12.000	14.000	9	25.38	4.026	102.18	15.539	5.801	9.738	101.181	1.102
10.000	12.000	1	28.08	3.941	110.67	15.163	5.681	9.482	98.621	1.086
10.000	12.000	2	33.97	3.851	130.81	14.514	5.463	9.052	94.443	1.069
10.000	12.000	3	33.97	3.851	130.81	14.514	5.463	9.052	94.443	1.069
10.000	12.000	4	43.75	3.695	161.68	13.683	5.207	8.476	89.240	1.062
10.000	12.000	5	43.75	3.695	161.68	13.683	5.207	8.476	89.240	1.062
10.000	12.000	6	54.55	3.748	204.48	13.061	4.915	8.146	83.911	.975
10.000	12.000	7	60.49	3.792	229.40	12.834	4.877	7.957	82.994	.878
10.000	12.000	8	60.49	3.792	229.40	12.834	4.877	7.957	82.994	.878
10.000	12.000	9	60.49	3.792	229.40	12.834	4.877	7.957	82.994	.878
8.000	10.000	1	64.96	3.745	243.24	12.617	4.800	7.817	81.570	.840
8.000	10.000	2	90.25	3.604	325.23	11.716	4.497	7.219	76.778	.790
8.000	10.000	3	90.25	3.604	325.23	11.716	4.497	7.219	76.778	.790
8.000	10.000	4	105.37	3.543	373.30	11.370	4.400	6.970	75.112	.804
8.000	10.000	5	105.37	3.543	373.30	11.370	4.400	6.970	75.112	.804
8.000	10.000	6	111.31	3.569	397.27	11.259	4.347	6.912	74.156	.806
8.000	10.000	7	111.31	3.569	397.27	11.259	4.347	6.912	74.156	.806
8.000	10.000	8	111.31	3.569	397.27	11.259	4.347	6.912	74.156	.806

8.000	10.000	9	111.31	3.569	397.27	11.259	4.347	6.912	74.156	.806
6.000	8.000	1	115.63	3.549	410.41	11.112	4.292	6.820	73.179	.784
6.000	8.000	2	129.67	3.518	456.14	10.617	4.089	6.528	68.959	.760
6.000	8.000	3	129.67	3.518	456.14	10.617	4.089	6.528	68.959	.760
6.000	8.000	4	143.71	3.475	499.44	10.349	3.995	6.354	67.696	.761
6.000	8.000	5	143.71	3.475	499.44	10.349	3.995	6.354	67.696	.761
6.000	8.000	6	143.71	3.475	499.44	10.349	3.995	6.354	67.696	.761
6.000	8.000	7	143.71	3.475	499.44	10.349	3.995	6.354	67.696	.761
6.000	8.000	8	143.71	3.475	499.44	10.349	3.995	6.354	67.696	.761
6.000	8.000	9	143.71	3.475	499.44	10.349	3.995	6.354	67.696	.761
4.000	6.000	1	147.12	3.465	509.72	10.244	3.955	6.289	67.025	.746
4.000	6.000	2	147.12	3.465	509.72	10.244	3.955	6.289	67.025	.746
4.000	6.000	3	147.12	3.465	509.72	10.244	3.955	6.289	67.025	.746
4.000	6.000	4	147.12	3.465	509.72	10.244	3.955	6.289	67.025	.746
4.000	6.000	5	147.12	3.465	509.72	10.244	3.955	6.289	67.025	.746
4.000	6.000	6	147.12	3.465	509.72	10.244	3.955	6.289	67.025	.746
4.000	6.000	7	147.12	3.465	509.72	10.244	3.955	6.289	67.025	.746
4.000	6.000	8	147.12	3.465	509.72	10.244	3.955	6.289	67.025	.746
4.000	6.000	9	147.12	3.465	509.72	10.244	3.955	6.289	67.025	.746
.010	4.000	1	153.01	3.451	528.05	9.979	3.859	6.120	65.517	.743
.010	4.000	2	153.01	3.451	528.05	9.979	3.859	6.120	65.517	.743
.010	4.000	3	153.01	3.451	528.05	9.979	3.859	6.120	65.517	.743
.010	4.000	4	153.01	3.451	528.05	9.979	3.859	6.120	65.517	.743
.010	4.000	5	153.01	3.451	528.05	9.979	3.859	6.120	65.517	.743
.010	4.000	6	153.01	3.451	528.05	9.979	3.859	6.120	65.517	.743
.010	4.000	7	153.01	3.451	528.05	9.979	3.859	6.120	65.517	.743
.010	4.000	8	153.01	3.451	528.05	9.979	3.859	6.120	65.517	.743
.010	4.000	9	153.01	3.451	528.05	9.979	3.859	6.120	65.517	.743
.000	.010	1	185.12	3.373	624.39	8.439	3.264	5.175	55.409	.628
.000	.010	2	188.90	3.365	635.73	8.288	3.205	5.083	54.420	.617
.000	.010	3	195.38	3.353	655.17	8.043	3.110	4.932	52.806	.599
.000	.010	4	278.54	3.248	904.65	5.825	2.253	3.572	38.243	.434
.000	.010	5	279.08	3.247	906.27	5.814	2.249	3.566	38.175	.433
.000	.010	6	301.22	3.229	972.69	5.417	2.095	3.322	35.568	.403
.000	.010	7	371.42	3.186	1183.29	4.453	1.722	2.731	29.238	.331
.000	.010	8	371.42	3.186	1183.29	4.453	1.722	2.731	29.238	.331
.000	.010	9	381.14	3.181	1212.45	4.346	1.681	2.665	28.534	.323
.000	9999.000	10	8527.72	2.722	23208.19	.227	.088	.139	1.491	.017
.000	9999.000	***	8527.72	2.722	23208.19	.227	.088	.139	1.491	.017

TOTAL 8527.72 2.722 23208.19 .227 .088 .139 1.491 .017

IN-SITU ORE RESERVE EVALUATION

DESCRIPTION : GRUM RESERVES BENEATH PIT FOR SECT 84W

TOTAL FOR ALL BENCHES

TOP ELEVATION : 1336.00 [m]
 BOTTOM ELEVATION : 868.00 [m]

SURFACE GRID RECORD : 6 Undergrum BP86 pit
 RESERVE INSIDE POLYGON RECORD : 3 SECTION 84 W VOLUME LIMITS

INCREMENTAL RESULTS

CUT-OFF GRADES		ROCK-TYPE CODE	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES				
FROM [EGF]	TO [EGF]					[EGF]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]
14.000	100.000	6	6.48	4.113	26.65	18.163	6.854	11.309	109.678	1.163
14.000	100.000	7	2.16	4.215	9.10	15.341	5.271	10.070	104.496	1.236
12.000	14.000	2	8.10	3.510	28.43	12.689	5.031	7.658	80.521	1.026
12.000	14.000	6	4.86	3.407	16.56	12.752	4.310	8.442	74.864	.485
10.000	12.000	1	1.08	3.393	3.66	10.328	3.705	6.623	62.999	1.073
10.000	12.000	2	18.42	3.351	61.73	10.433	4.102	6.331	71.192	.800
10.000	12.000	6	10.18	3.790	38.57	10.677	3.916	6.760	70.605	.691
10.000	12.000	7	7.02	4.037	28.34	10.825	3.919	6.906	70.985	.615
8.000	10.000	1	3.78	3.497	13.22	8.908	3.187	5.722	57.286	1.145
8.000	10.000	2	15.36	3.245	49.84	9.187	3.708	5.480	64.105	.603
8.000	10.000	4	.52	2.982	1.54	8.719	2.968	5.751	49.000	.461
8.000	10.000	5	2.75	3.727	10.24	8.984	3.297	5.687	51.197	.580
8.000	10.000	6	16.20	4.033	65.34	9.001	3.461	5.540	63.389	.899
8.000	10.000	7	4.32	3.882	16.77	9.798	3.450	6.348	63.259	.763
6.000	8.000	1	7.02	3.551	24.93	7.032	2.640	4.392	50.211	1.025
6.000	8.000	2	.14	3.162	.46	7.821	2.740	5.081	51.000	.611
6.000	8.000	6	2.70	3.722	10.05	7.949	2.946	5.003	56.775	.912
6.000	8.000	7	2.16	3.947	8.53	7.375	3.185	4.190	47.247	.915
4.000	6.000	1	6.48	3.320	21.51	5.627	2.174	3.453	40.822	.796
4.000	6.000	5	12.42	3.946	49.01	5.250	2.489	2.761	36.171	.841
.010	4.000	5	4.86	3.613	17.56	3.714	1.700	2.014	28.386	.562
.000	.010	5	2.16	3.000	6.48	.000	.000	.000	.000	.000
.000	.010	6	.54	3.000	1.62	.000	.000	.000	.000	.000
.000	.010	7	9.72	3.000	29.16	.000	.000	.000	.000	.000
.000	9999.000	10	8156.57	2.700	22022.73	.000	.000	.000	.000	.000
TOTAL			8305.99	2.716	22562.04	.213	.082	.131	1.415	.018

IN-SITU ORE RESERVE EVALUATION

DESCRIPTION : GRUM RESERVES BENEATH PIT FOR SECT B4W

TOTAL FOR ALL BENCHES

TOP ELEVATION : 1336.00 [m]
 BOTTOM ELEVATION : 868.00 [m]

SURFACE GRID RECORD : 6 Undergrum BP86 pit
 RESERVE INSIDE POLYGON RECORD : 3 SETTION B4 W VOLUME LIMITS

CUMULATIVE RESULTS

CUT-OFF GRADES		ROCK-TYPE CODE	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES				
FROM [EGF]	TO [EGF]					[EGF]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]
14.000	100.000	6	6.48	4.113	26.65	18.163	6.854	11.309	109.678	1.163
14.000	100.000	7	8.64	4.138	35.76	17.444	6.451	10.994	108.358	1.182
14.000	100.000	8	8.64	4.138	35.76	17.444	6.451	10.994	108.358	1.182
14.000	100.000	9	8.64	4.138	35.76	17.444	6.451	10.994	108.358	1.182
12.000	14.000	1	8.64	4.138	35.76	17.444	6.451	10.994	108.358	1.182
12.000	14.000	2	16.74	3.834	64.18	15.338	5.822	9.516	96.029	1.113
12.000	14.000	3	16.74	3.834	64.18	15.338	5.822	9.516	96.029	1.113
12.000	14.000	4	16.74	3.834	64.18	15.338	5.822	9.516	96.029	1.113
12.000	14.000	5	16.74	3.834	64.18	15.338	5.822	9.516	96.029	1.113
12.000	14.000	6	21.60	3.738	80.74	14.808	5.512	9.296	91.688	.984
12.000	14.000	7	21.60	3.738	80.74	14.808	5.512	9.296	91.688	.984
12.000	14.000	8	21.60	3.738	80.74	14.808	5.512	9.296	91.688	.984
12.000	14.000	9	21.60	3.738	80.74	14.808	5.512	9.296	91.688	.984
10.000	12.000	1	22.68	3.722	84.41	14.613	5.433	9.180	90.443	.988
10.000	12.000	2	41.10	3.556	146.14	12.847	4.871	7.976	82.311	.908
10.000	12.000	3	41.10	3.556	146.14	12.847	4.871	7.976	82.311	.908
10.000	12.000	4	41.10	3.556	146.14	12.847	4.871	7.976	82.311	.908
10.000	12.000	5	41.10	3.556	146.14	12.847	4.871	7.976	82.311	.908
10.000	12.000	6	51.28	3.602	184.71	12.394	4.672	7.722	79.867	.863
10.000	12.000	7	58.30	3.655	213.05	12.185	4.571	7.614	78.685	.830
10.000	12.000	8	58.30	3.655	213.05	12.185	4.571	7.614	78.685	.830
10.000	12.000	9	58.30	3.655	213.05	12.185	4.571	7.614	78.685	.830
8.000	10.000	1	62.08	3.645	226.27	11.994	4.491	7.503	77.435	.848
8.000	10.000	2	77.44	3.566	276.11	11.487	4.349	7.138	75.029	.804
8.000	10.000	3	77.44	3.566	276.11	11.487	4.349	7.138	75.029	.804
8.000	10.000	4	77.95	3.562	277.65	11.472	4.342	7.130	74.885	.802
8.000	10.000	5	80.70	3.567	287.89	11.383	4.304	7.079	74.042	.794
8.000	10.000	6	90.90	3.645	353.23	10.943	4.148	6.794	72.071	.814
8.000	10.000	7	101.22	3.655	370.00	10.891	4.117	6.774	71.672	.811
8.000	10.000	8	101.22	3.655	370.00	10.891	4.117	6.774	71.672	.811
8.000	10.000	9	101.22	3.655	370.00	10.891	4.117	6.774	71.672	.811

IN-SITU ORE RESERVE EVALUATION

DESCRIPTION : GRUM RESERVES BENEATH PIT FOR SECT B2W

TOTAL FOR ALL BENCHES

TOP ELEVATION : 1336.00 [m]
 BOTTOM ELEVATION : 868.00 [m]

SURFACE GRID RECORD : 6 Undergrum BP86 pit
 RESERVE INSIDE POLYGON RECORD : 4 SECTION 82 W VOLUME LIMITS

INCREMENTAL RESULTS

CUT-OFF GRADES		ROCK-TYPE CODE	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES				
FROM [EGF]	TO [EGF]					[EGF]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]
14.000	100.000	4	5.40	3.288	17.76	15.574	5.276	10.298	94.115	.690
14.000	100.000	7	17.35	4.301	74.63	15.899	5.788	10.111	117.317	1.161
12.000	14.000	4	15.12	3.423	51.76	12.755	4.904	7.851	75.593	1.621
12.000	14.000	6	8.34	4.412	36.80	12.863	5.040	7.823	81.707	1.194
12.000	14.000	7	18.90	4.292	81.12	12.343	4.514	7.829	88.660	1.393
10.000	12.000	5	1.84	3.509	6.44	10.128	3.198	6.929	65.706	1.381
10.000	12.000	7	11.34	4.123	46.76	11.306	4.197	7.109	81.732	1.294
8.000	10.000	2	2.70	3.248	8.77	8.913	3.302	5.611	52.948	.778
8.000	10.000	4	.54	3.067	1.66	8.114	3.075	5.039	49.000	.684
8.000	10.000	5	4.14	3.682	15.24	9.454	3.353	6.100	55.324	.754
8.000	10.000	6	5.40	4.374	23.62	8.312	3.414	4.897	57.499	1.133
8.000	10.000	7	12.42	4.044	50.23	9.192	3.425	5.767	64.334	.777
6.000	8.000	2	14.94	3.273	48.90	7.143	2.970	4.173	46.459	.866
6.000	8.000	4	3.24	3.058	9.91	6.866	2.716	4.150	42.836	.678
6.000	8.000	5	6.48	3.887	25.19	6.583	3.267	3.316	40.889	1.232
6.000	8.000	6	39.42	4.255	167.72	7.145	2.981	4.164	51.616	1.259
6.000	8.000	7	5.40	3.721	20.10	7.438	2.745	4.693	49.517	.833
4.000	6.000	1	8.64	3.222	27.84	4.276	1.722	2.554	35.609	1.059
4.000	6.000	2	.54	3.270	1.77	5.611	2.086	3.525	42.000	1.184
4.000	6.000	3	8.10	3.259	26.40	4.280	1.717	2.563	29.666	1.151
4.000	6.000	4	.54	2.968	1.60	5.793	2.348	3.445	36.000	.726
4.000	6.000	5	6.48	3.955	25.63	5.740	2.880	2.860	36.827	1.007
4.000	6.000	6	.54	4.302	2.32	5.810	2.450	3.360	44.000	1.099
.010	4.000	1	17.82	3.133	55.83	3.737	1.462	2.275	28.940	.974
.010	4.000	3	15.66	3.247	50.86	3.178	1.378	1.800	23.455	.647
.010	4.000	5	4.32	3.572	15.43	3.648	1.609	2.039	27.000	.731
.010	4.000	9	4.32	3.208	13.86	2.605	1.045	1.560	19.881	.444
.000	.010	2	.86	3.000	14.58	.000	.000	.000	.000	.000
.000	.010	4	.32	3.000	12.96	.000	.000	.000	.000	.000
.000	.010	5	10.48	3.000	31.43	.000	.000	.000	.000	.000
.000	.000	.000	3702.87	3.760	21018.00	.000	.000	.000	.000	.000

TOTAL

12.56

2.733

21981.13

.359

.140

.219

2.484

.045

IN-SITU ORE RESERVE EVALUATION

DESCRIPTION : GRUM RESERVES BENEATH PIT FOR SECT 82W

TOTAL FOR ALL BENCHES

TOP ELEVATION : 1336.00 [m]
 BOTTOM ELEVATION : 868.00 [m]

SURFACE GRID RECORD : 6 Undergrum BP86 pit
 RESERVE INSIDE POLYGON RECORD : 4 SECTION 82 W VOLUME LIMITS

CUMULATIVE RESULTS

CUT-OFF GRADES		ROCK-TYPE CODE	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES				
FROM [EGF]	TO [EGF]					[EGF]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]
14.000	100.000	4	5.40	3.288	17.76	15.574	5.276	10.298	94.115	.690
14.000	100.000	5	5.40	3.288	17.76	15.574	5.276	10.298	94.115	.690
14.000	100.000	6	5.40	3.288	17.76	15.574	5.276	10.298	94.115	.690
14.000	100.000	7	22.75	4.061	92.39	15.837	5.690	10.147	112.858	1.070
14.000	100.000	8	22.75	4.061	92.39	15.837	5.690	10.147	112.858	1.070
14.000	100.000	9	22.75	4.061	92.39	15.837	5.690	10.147	112.858	1.070
12.000	14.000	1	22.75	4.061	92.39	15.837	5.690	10.147	112.858	1.070
12.000	14.000	2	22.75	4.061	92.39	15.837	5.690	10.147	112.858	1.070
12.000	14.000	3	22.75	4.061	92.39	15.837	5.690	10.147	112.858	1.070
12.000	14.000	4	37.87	3.806	144.15	14.730	5.407	9.323	99.477	1.268
12.000	14.000	5	37.87	3.806	144.15	14.730	5.407	9.323	99.477	1.268
12.000	14.000	6	46.21	3.916	180.95	14.350	5.333	9.018	95.863	1.253
12.000	14.000	7	65.11	4.025	262.08	13.729	5.079	8.650	93.633	1.296
12.000	14.000	8	65.11	4.025	262.08	13.729	5.079	8.650	93.633	1.296
12.000	14.000	9	65.11	4.025	262.08	13.729	5.079	8.650	93.633	1.296
10.000	12.000	1	65.11	4.025	262.08	13.729	5.079	8.650	93.633	1.296
10.000	12.000	2	65.11	4.025	262.08	13.729	5.079	8.650	93.633	1.296
10.000	12.000	3	65.11	4.025	262.08	13.729	5.079	8.650	93.633	1.296
10.000	12.000	4	65.11	4.025	262.08	13.729	5.079	8.650	93.633	1.296
10.000	12.000	5	66.95	4.011	268.52	13.643	5.034	8.609	92.963	1.298
10.000	12.000	6	66.95	4.011	268.52	13.643	5.034	8.609	92.963	1.298
10.000	12.000	7	78.29	4.027	315.28	13.296	4.910	8.386	91.298	1.298
10.000	12.000	8	78.29	4.027	315.28	13.296	4.910	8.386	91.298	1.298
10.000	12.000	9	78.29	4.027	315.28	13.296	4.910	8.386	91.298	1.298
8.000	10.000	1	78.29	4.027	315.28	13.296	4.910	8.386	91.298	1.298
8.000	10.000	2	80.99	4.001	324.05	13.177	4.866	8.311	90.260	1.284
8.000	10.000	3	80.99	4.001	324.05	13.177	4.866	8.311	90.260	1.284
8.000	10.000	4	71.53	3.995	325.70	13.152	4.957	8.294	90.050	1.281
8.000	10.000	5	71.67	3.980	340.94	12.986	4.90	8.196	88.497	1.257
8.000	10.000	6	91.07	4.003	364.56	12.683	4.701	7.983	86.489	1.249
8.000	10.000	7	107.40	4.000	427.70	12.511	4.586	7.718	84.067	1.180

IN-SITU ORE RESERVE EVALUATION

DESCRIPTION : GRUM RESERVES BENEATH PIT FOR SECT 80W

TOTAL FOR ALL BENCHES

TOP ELEVATION : 1336.00 [m]
 BOTTOM ELEVATION : 868.00 [m]

SURFACE GRID RECORD : 6 Undergrum BP86 pit
 RESERVE INSIDE POLYGON RECORD : 5 SECTION 80 W VOLUME LIMITS

INCREMENTAL RESULTS

CUT-OFF GRADES		ROCK-TYPE CODE	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES				
FROM [EGF]	TO [EGF]					[EGF]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]
14.000	100.000	4	4.86	3.524	17.13	14.339	5.500	8.840	86.899	1.884
14.000	100.000	6	53.46	3.920	209.57	16.472	5.745	10.728	97.815	1.570
14.000	100.000	7	1.62	4.230	6.85	14.484	6.537	7.947	87.664	1.095
12.000	14.000	2	.14	3.321	.48	12.665	4.752	7.913	94.500	1.872
12.000	14.000	4	8.10	3.447	27.92	13.364	5.121	8.242	79.614	1.844
12.000	14.000	6	3.31	4.215	13.96	12.750	4.852	7.899	83.606	1.556
12.000	14.000	7	4.86	4.222	20.52	13.659	6.527	7.132	88.667	1.096
10.000	12.000	2	8.83	3.233	28.55	10.809	4.150	6.659	79.241	1.723
10.000	12.000	6	5.99	4.138	24.78	10.959	4.409	6.549	73.603	1.929
10.000	12.000	7	24.30	4.096	99.52	10.594	4.233	6.361	68.235	1.422
8.000	10.000	2	3.78	3.259	12.32	8.831	3.566	5.265	58.455	1.307
8.000	10.000	5	2.16	3.401	7.35	8.390	3.510	4.880	59.350	1.080
8.000	10.000	6	16.74	4.022	67.33	8.738	3.677	5.061	63.547	1.791
8.000	10.000	7	27.54	4.034	111.10	9.014	3.854	5.160	58.332	1.177
6.000	8.000	2	1.08	3.149	3.40	6.895	2.744	4.152	46.126	1.197
6.000	8.000	5	11.42	3.705	42.33	6.619	2.911	3.708	45.121	1.257
6.000	8.000	6	29.16	4.017	117.14	6.991	3.080	3.912	53.709	1.562
6.000	8.000	7	39.96	3.935	157.26	6.795	3.537	3.258	43.968	.834
4.000	6.000	1	18.36	3.446	63.27	4.341	2.086	2.255	34.706	1.208
4.000	6.000	2	31.86	3.157	100.57	4.635	1.899	2.736	31.628	.842
4.000	6.000	5	5.40	3.739	20.19	5.141	2.367	2.773	42.482	1.485
4.000	6.000	6	4.86	3.810	18.52	5.778	2.518	3.259	45.467	1.220
4.000	6.000	7	2.16	3.875	8.37	5.179	2.692	2.486	34.717	.739
4.000	6.000	9	4.32	3.311	14.30	4.798	2.465	2.333	33.000	.186
.010	4.000	1	135.31	3.112	421.13	2.751	1.165	1.586	22.310	.574
.010	4.000	3	28.62	3.351	95.89	2.981	1.327	1.654	27.679	.799
.010	4.000	7	66.42	3.468	230.37	3.290	1.658	1.632	28.513	.907
.000	.010	1	4.86	3.000	14.58	.000	.000	.000	.000	.000
.000	.010	2	.16	3.000	6.48	.000	.000	.000	.000	.000
.000	.010	3	3.78	3.000	11.34	.000	.000	.000	.000	.000
.000	.010	4	2.16	3.000	6.48	.000	.000	.000	.000	.000

.000	.010	5	2.16	3.000	6.48	.000	.000	.000	.000	.000
.000	.010	6	2.16	3.000	6.48	.000	000	.000	.000	.000
.000	.010	7	.62	3.000	4.86	.000	00	.000	.000	.000
.000	.010	9	8.64	3.000	25.92	.000	.000	.000	.000	.000
.000	9999.000	10	7387.38	2.700	19945.93	.000	.000	.000	.000	.000

TOTAL			7959.55	2.760	21968.65	.614	.255	.359	4.204	.096
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IN-SITU ORE RESERVE EVALUATION

DESCRIPTION : GRUM RESERVES BENEATH PIT FOR SECT 80W

TOTAL FOR ALL BENCHES

TOP ELEVATION : 1336.00 [m]
 BOTTOM ELEVATION : 868.00 [m]

SURFACE GRID RECORD : 6 Undergrum BP86 pit
 RESERVE INSIDE POLYGON RECORD : 5 SECTION 80 W VOLUME LIMITS

CUMULATIVE RESULTS

CUT-OFF GRADES		ROCK-TYPE CODE	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES				
FROM [EGF]	TO [EGF]					[EGF]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]
14.000	100.000	4	4.86	3.524	17.13	14.339	5.500	8.840	86.899	1.884
14.000	100.000	5	4.86	3.524	17.13	14.339	5.500	8.840	86.899	1.884
14.000	100.000	6	58.32	3.887	226.69	16.311	5.726	10.585	96.991	1.593
14.000	100.000	7	59.94	3.896	233.54	16.257	5.750	10.508	96.717	1.579
14.000	100.000	8	59.94	3.896	233.54	16.257	5.750	10.508	96.717	1.579
14.000	100.000	9	59.94	3.896	233.54	16.257	5.750	10.508	96.717	1.579
12.000	14.000	1	59.94	3.896	233.54	16.257	5.750	10.508	96.717	1.579
12.000	14.000	2	60.08	3.895	234.02	16.250	5.748	10.502	96.713	1.579
12.000	14.000	3	60.08	3.895	234.02	16.250	5.748	10.502	96.713	1.579
12.000	14.000	4	68.18	3.842	261.94	15.942	5.681	10.261	94.890	1.608
12.000	14.000	5	68.18	3.842	261.94	15.942	5.681	10.261	94.890	1.608
12.000	14.000	6	71.50	3.859	275.90	15.781	5.639	10.142	94.319	1.605
12.000	14.000	7	76.36	3.882	296.42	15.634	5.701	9.934	93.928	1.570
12.000	14.000	8	76.36	3.882	296.42	15.634	5.701	9.934	93.928	1.570
12.000	14.000	9	76.36	3.882	296.42	15.634	5.701	9.934	93.928	1.570
10.000	12.000	1	76.36	3.882	296.42	15.634	5.701	9.934	93.928	1.570
10.000	12.000	2	85.19	3.815	324.97	15.210	5.564	9.646	92.638	1.583
10.000	12.000	3	85.19	3.815	324.97	15.210	5.564	9.646	92.638	1.583
10.000	12.000	4	85.19	3.815	324.97	15.210	5.564	9.646	92.638	1.583
10.000	12.000	5	85.19	3.815	324.97	15.210	5.564	9.646	92.638	1.583
10.000	12.000	6	91.18	3.836	349.74	14.909	5.483	9.427	91.289	1.608
10.000	12.000	7	115.48	3.891	449.26	13.953	5.206	8.747	86.182	1.566
10.000	12.000	8	115.48	3.891	449.26	13.953	5.206	8.747	86.182	1.566
10.000	12.000	9	115.48	3.891	449.26	13.953	5.206	8.747	86.182	1.566
8.000	10.000	1	115.48	3.891	449.26	13.953	5.206	8.747	86.182	1.566
8.000	10.000	2	119.26	3.871	461.58	13.817	5.162	8.655	85.442	1.560
8.000	10.000	3	119.26	3.871	461.58	13.817	5.162	8.655	85.442	1.560
8.000	10.000	4	119.26	3.871	461.58	13.817	5.162	8.655	85.442	1.560
8.000	10.000	5	119.26	3.871	461.58	13.817	5.162	8.655	85.442	1.560
8.000	10.000	6	138.16	3.882	536.26	13.105	4.953	8.152	82.336	1.582
8.000	10.000	7	145.70	3.887	567.72	12.807	4.714	7.879	79.214	1.517

IN-SITU ORE RESERVE EVALUATION

DESCRIPTION : GRUM RESERVES BENEATH PIT FOR SECT 78W

TOTAL FOR ALL BENCHES

TOP ELEVATION : 1336.00 [m]
 BOTTOM ELEVATION : 868.00 [m]

SURFACE GRID RECORD : 6 Undergrum BP86 pit
 RESERVE INSIDE POLYGON RECORD : 6 SECTION 78 W VOLUME LIMITS

INCREMENTAL RESULTS

CUT-OFF GRADES		ROCK-TYPE CODE	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES				
FROM [EGF]	TO [EGF]					[EGF]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]
14.000	100.000	4	30.24	3.355	101.44	17.471	6.354	11.116	103.413	1.846
12.000	14.000	6	4.86	4.199	20.41	12.763	4.937	7.826	92.112	1.594
10.000	12.000	2	1.08	3.411	3.68	10.976	4.489	6.487	69.124	1.005
10.000	12.000	5	4.32	4.004	17.30	10.839	4.363	6.476	74.119	1.502
10.000	12.000	6	20.96	4.151	87.01	11.058	4.629	6.429	83.925	1.413
10.000	12.000	7	3.76	4.256	15.99	11.115	4.017	7.098	79.263	1.425
8.000	10.000	1	.54	3.653	1.97	9.092	2.956	6.136	57.000	1.736
8.000	10.000	2	.54	3.274	1.77	8.677	3.484	5.193	53.000	.921
8.000	10.000	5	13.50	3.545	47.85	8.624	3.640	4.983	64.136	1.084
8.000	10.000	6	10.80	3.840	41.47	9.196	3.973	5.223	69.250	1.296
8.000	10.000	9	2.16	3.723	8.04	8.086	3.544	4.542	49.751	.000
6.000	8.000	1	8.10	3.363	27.24	6.791	2.489	4.302	46.356	1.387
6.000	8.000	2	.96	3.157	3.03	7.316	2.877	4.440	45.926	1.005
6.000	8.000	5	7.00	3.789	26.51	7.123	2.887	4.237	46.956	.690
6.000	8.000	6	4.32	3.548	15.33	7.079	3.348	3.732	48.954	1.530
6.000	8.000	9	16.20	3.690	59.78	7.903	3.416	4.487	48.701	.000
4.000	6.000	1	27.54	3.151	86.78	4.876	1.935	2.941	33.908	.901
4.000	6.000	2	.70	2.988	2.08	4.974	2.146	2.828	35.349	.930
4.000	6.000	5	8.64	3.527	30.48	4.393	2.007	2.386	32.444	.992
.010	4.000	1	37.80	2.947	111.41	2.850	1.060	1.791	20.723	.378
.010	4.000	3	2.16	3.368	7.27	3.090	1.293	1.797	20.750	.800
.010	4.000	5	2.16	3.451	7.45	3.930	1.792	2.138	30.000	1.079
.000	.010	1	3.24	3.000	9.72	.000	.000	.000	.000	.000
.000	.010	2	17.30	3.000	51.91	.000	.000	.000	.000	.000
.000	.010	5	5.94	3.000	17.82	.000	.000	.000	.000	.000
.000	.010	6	1.08	3.000	3.24	.000	.000	.000	.000	.000
.000	.010	9	1.08	3.000	3.24	.000	.000	.000	.000	.000
.000	9999.000	10	7744.10	2.700	20833.46	.000	.000	.000	.000	.000

IN-SITU ORE RESERVE EVALUATION

DESCRIPTION : GRUM RESERVES BENEATH PIT FOR SECT 78W

TOTAL FOR ALL BENCHES

TOP ELEVATION : 1336.00 [m]
 BOTTOM ELEVATION : 868.00 [m]

SURFACE GRID RECORD : 6 Undergrum BP86 pit
 RESERVE INSIDE POLYGON RECORD : 6 SECTION 78 W VOLUME LIMITS

CUMULATIVE RESULTS

CUT-OFF GRADES		ROCK-TYPE CODE	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES				
FROM [EGF]	TO [EGF]					[EGF]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]
14.000	100.000	4	30.24	3.355	101.44	17.471	6.354	11.116	103.413	1.846
14.000	100.000	5	30.24	3.355	101.44	17.471	6.354	11.116	103.413	1.846
14.000	100.000	6	30.24	3.355	101.44	17.471	6.354	11.116	103.413	1.846
14.000	100.000	7	30.24	3.355	101.44	17.471	6.354	11.116	103.413	1.846
14.000	100.000	8	30.24	3.355	101.44	17.471	6.354	11.116	103.413	1.846
14.000	100.000	9	30.24	3.355	101.44	17.471	6.354	11.116	103.413	1.846
12.000	14.000	1	30.24	3.355	101.44	17.471	6.354	11.116	103.413	1.846
12.000	14.000	2	30.24	3.355	101.44	17.471	6.354	11.116	103.413	1.846
12.000	14.000	3	30.24	3.355	101.44	17.471	6.354	11.116	103.413	1.846
12.000	14.000	4	30.24	3.355	101.44	17.471	6.354	11.116	103.413	1.846
12.000	14.000	5	30.24	3.355	101.44	17.471	6.354	11.116	103.413	1.846
12.000	14.000	6	35.10	3.472	121.85	16.682	6.117	10.565	101.520	1.804
12.000	14.000	7	35.10	3.472	121.85	16.682	6.117	10.565	101.520	1.804
12.000	14.000	8	35.10	3.472	121.85	16.682	6.117	10.565	101.520	1.804
12.000	14.000	9	35.10	3.472	121.85	16.682	6.117	10.565	101.520	1.804
10.000	12.000	1	35.10	3.472	121.85	16.682	6.117	10.565	101.520	1.804
10.000	12.000	2	36.18	3.470	125.54	16.515	6.069	10.446	100.569	1.780
10.000	12.000	3	36.18	3.470	125.54	16.515	6.069	10.446	100.569	1.780
10.000	12.000	4	36.18	3.470	125.54	16.515	6.069	10.446	100.569	1.780
10.000	12.000	5	40.50	3.527	142.83	15.827	5.862	9.965	97.366	1.747
10.000	12.000	6	61.46	3.740	229.85	14.022	5.396	8.626	92.278	1.620
10.000	12.000	7	65.22	3.769	245.83	13.833	5.306	8.527	91.432	1.608
10.000	12.000	8	65.22	3.769	245.83	13.833	5.306	8.527	91.432	1.608
10.000	12.000	9	65.22	3.769	245.83	13.833	5.306	8.527	91.432	1.608
8.000	10.000	1	65.76	3.768	247.80	13.795	5.287	8.508	91.157	1.609
8.000	10.000	2	66.30	3.764	249.57	13.759	5.274	8.484	90.887	1.604
8.000	10.000	3	66.30	3.764	249.57	13.759	5.274	8.484	90.887	1.604
8.000	10.000	4	66.30	3.764	249.57	13.759	5.274	8.484	90.887	1.604
8.000	10.000	5	80.80	3.727	297.42	12.933	5.12	7.921	86.583	1.520
8.000	10.000	6	90.60	3.741	338.89	12.475	4.884	7.591	84.462	1.493
8.000	10.000	7	90.60	3.741	338.89	12.475	4.884	7.591	84.462	1.493

IN-SITU ORE RESERVE EVALUATION

DESCRIPTION : GRUM RESERVES BENEATH PIT FOR SECT 76W

TOTAL FOR ALL BENCHES

TOP ELEVATION : 1336.00 [m]
 BOTTOM ELEVATION : 868.00 [m]

SURFACE GRID RECORD : 6 Undergrum BP86 pit
 RESERVE INSIDE POLYGON RECORD : 7 SECTION 76 W VOLUME LIMITS

INCREMENTAL RESULTS

CUT-OFF GRADES		ROCK-TYPE CODE	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES				
FROM [EGF]	TO [EGF]					[EGF]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]
14.000	100.000	4	3.24	3.362	10.89	15.020	5.601	9.419	88.327	1.921
14.000	100.000	6	3.94	4.031	15.87	14.412	5.554	8.859	112.782	1.327
14.000	100.000	7	.56	4.033	2.27	14.132	5.262	8.870	85.000	1.290
12.000	14.000	2	.28	3.252	.90	12.091	4.513	7.578	69.000	1.324
12.000	14.000	4	2.16	3.378	7.30	13.238	5.005	8.233	77.483	1.939
12.000	14.000	6	.54	4.138	2.23	13.819	5.326	8.493	109.000	1.386
12.000	14.000	7	2.29	4.033	9.24	13.527	5.196	8.331	80.577	1.299
10.000	12.000	2	5.53	3.346	18.51	11.565	4.195	7.371	64.703	1.322
10.000	12.000	4	2.70	3.372	9.11	11.053	4.209	6.844	65.404	1.947
10.000	12.000	6	8.64	4.003	34.58	10.858	4.125	6.733	72.988	1.699
10.000	12.000	7	37.66	3.774	142.13	10.732	4.367	6.365	66.936	1.376
8.000	10.000	4	1.08	3.444	3.72	8.829	3.489	5.340	53.001	1.805
8.000	10.000	5	5.40	3.529	19.06	8.542	3.596	4.946	53.744	.905
8.000	10.000	6	22.68	4.064	92.17	9.068	3.654	5.414	60.492	1.471
6.000	8.000	4	3.78	3.471	13.12	7.632	2.999	4.632	47.297	1.691
6.000	8.000	5	9.72	3.618	35.16	6.919	3.062	3.857	44.105	.995
6.000	8.000	6	1.08	3.959	4.28	7.894	3.479	4.416	53.576	1.265
4.000	6.000	1	8.40	3.161	26.55	4.665	1.831	2.835	30.369	.769
4.000	6.000	5	5.94	3.495	20.76	4.952	2.249	2.703	33.582	.837
.010	4.000	1	1.28	2.993	3.84	3.458	1.223	2.236	21.665	.774
.010	4.000	5	.54	3.583	1.93	3.953	1.786	2.167	30.000	.939
.000	.010	5	2.15	3.000	6.44	.000	.000	.000	.000	.000
.000	.010	6	2.16	3.000	6.48	.000	.000	.000	.000	.000
.000	.010	7	8.10	3.000	24.30	.000	.000	.000	.000	.000
.000	9999.000	10	7815.10	2.700	21100.76	.000	.000	.000	.000	.000
TOTAL			7954.94	2.717	21611.62	.211	.084	.127	1.353	.029

IN-SITU ORE RESERVE EVALUATION

DESCRIPTION : GRUM RESERVES BENEATH PIT FOR SECT 76W

TOTAL FOR ALL BENCHES

TOP ELEVATION : 1336.00 [m]

BOTTOM ELEVATION : 868.00 [m]

SURFACE GRID RECORD : 6 Undergrum BP86 pit

RESERVE INSIDE POLYGON RECORD : 7 SECTION 76 W VOLUME LIMITS

CUMULATIVE RESULTS

CUT-OFF GRADES		ROCK-TYPE CODE	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES				
FROM [EGF]	TO [EGF]					[EGF]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]
14.000	100.000	4	3.24	3.362	10.89	15.020	5.601	9.419	88.327	1.921
14.000	100.000	5	3.24	3.362	10.89	15.020	5.601	9.419	88.327	1.921
14.000	100.000	6	7.18	3.729	26.76	14.660	5.573	9.087	102.828	1.568
14.000	100.000	7	7.74	3.751	29.03	14.619	5.549	9.070	101.431	1.547
14.000	100.000	8	7.74	3.751	29.03	14.619	5.549	9.070	101.431	1.547
14.000	100.000	9	7.74	3.751	29.03	14.619	5.549	9.070	101.431	1.547
12.000	14.000	1	7.74	3.751	29.03	14.619	5.549	9.070	101.431	1.547
12.000	14.000	2	8.02	3.734	29.93	14.543	5.518	9.025	100.459	1.540
12.000	14.000	3	8.02	3.734	29.93	14.543	5.518	9.025	100.459	1.540
12.000	14.000	4	10.18	3.658	37.23	14.287	5.417	8.870	95.955	1.618
12.000	14.000	5	10.18	3.658	37.23	14.287	5.417	8.870	95.955	1.618
12.000	14.000	6	10.72	3.683	39.46	14.260	5.412	8.849	96.694	1.605
12.000	14.000	7	13.01	3.744	48.71	14.121	5.371	8.750	93.635	1.547
12.000	14.000	8	13.01	3.744	48.71	14.121	5.371	8.750	93.635	1.547
12.000	14.000	9	13.01	3.744	48.71	14.121	5.371	8.750	93.635	1.547
10.000	12.000	1	13.01	3.744	48.71	14.121	5.371	8.750	93.635	1.547
10.000	12.000	2	18.54	3.625	67.22	13.417	5.047	8.370	85.668	1.485
10.000	12.000	3	18.54	3.625	67.22	13.417	5.047	8.370	85.668	1.485
10.000	12.000	4	21.24	3.593	76.32	13.135	4.947	8.188	83.250	1.540
10.000	12.000	5	21.24	3.593	76.32	13.135	4.947	8.188	83.250	1.540
10.000	12.000	6	29.88	3.712	110.90	12.425	4.691	7.735	80.050	1.590
10.000	12.000	7	67.54	3.747	253.03	11.474	4.509	6.965	72.684	1.470
10.000	12.000	8	67.54	3.747	253.03	11.474	4.509	6.965	72.684	1.470
10.000	12.000	9	67.54	3.747	253.03	11.474	4.509	6.965	72.684	1.470
8.000	10.000	1	67.54	3.747	253.03	11.474	4.509	6.965	72.684	1.470
8.000	10.000	2	67.54	3.747	253.03	11.474	4.509	6.965	72.684	1.470
8.000	10.000	3	67.54	3.747	253.03	11.474	4.509	6.965	72.684	1.470
8.000	10.000	4	68.62	3.742	256.75	11.436	4.494	6.942	72.399	1.474
8.000	10.000	5	74.02	3.726	275.81	11.236	4.432	6.804	71.110	1.435
8.000	10.000	6	96.70	3.806	367.98	10.693	4.237	6.456	68.450	1.444
8.000	10.000	7	94.70	3.804	367.98	10.693	4.237	6.456	68.450	1.444

IN-SITU ORE RESERVE EVALUATION

DESCRIPTION : GRUM RESERVES BENEATH PIT FOR SECT 74W

TOTAL FOR ALL BENCHES

TOP ELEVATION : 1336.00 [m]
 BOTTOM ELEVATION : 868.00 [m]

SURFACE GRID RECORD : 6 Undergrum BP86 pit
 RESERVE INSIDE POLYGON RECORD : 8 SECTION 74 W VOLUME LIMITS

INCREMENTAL RESULTS

CUT-OFF GRADES		ROCK-TYPE CODE	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES				
FROM [EGF]	TO [EGF]					[EGF]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]
14.000	100.000	6	3.36	3.986	13.39	14.471	5.091	9.379	79.702	1.629
14.000	100.000	7	1.99	4.152	8.27	14.424	5.093	9.331	86.576	1.263
14.000	100.000	9	5.94	3.464	20.58	16.455	5.963	10.493	36.454	1.042
12.000	14.000	6	4.06	4.042	16.39	13.216	4.588	8.628	72.217	1.615
12.000	14.000	7	.12	4.109	.49	13.806	4.888	8.918	86.000	1.247
10.000	12.000	6	14.39	4.016	57.79	11.377	4.491	6.886	68.230	1.356
10.000	12.000	9	.54	3.427	1.85	10.760	4.276	6.484	37.000	.883
8.000	10.000	2	1.27	3.050	3.88	8.706	3.334	5.372	50.219	.576
8.000	10.000	4	.34	3.887	1.31	8.349	3.209	5.140	58.539	1.634
8.000	10.000	5	1.62	3.834	6.21	9.208	4.893	4.314	64.025	.854
8.000	10.000	6	6.83	3.800	25.94	8.916	4.687	4.229	63.611	1.174
6.000	8.000	4	18.36	3.663	67.26	6.783	2.944	3.839	45.261	1.139
6.000	8.000	6	21.06	3.861	81.32	7.098	3.426	3.672	47.795	1.272
4.000	6.000	4	.54	3.898	2.10	5.753	2.748	3.005	42.000	.988
4.000	6.000	5	24.84	3.455	85.83	4.596	2.146	2.451	31.923	1.008
.010	4.000	3	29.70	3.300	98.02	2.354	.861	1.493	18.377	.717
.010	4.000	5	14.04	3.654	51.30	3.545	1.652	1.893	28.299	1.321
.000	.010	3	.54	3.000	1.62	.000	.000	.000	.000	.000
.000	.010	5	.54	3.000	1.62	.000	.000	.000	.000	.000
.000	.010	6	1.62	3.000	4.86	.000	.000	.000	.000	.000
.000	.010	9	4.32	3.000	12.96	.000	.000	.000	.000	.000
.000	9999.000	10	7866.86	2.700	21240.53	.000	.000	.000	.000	.000
TOTAL			8022.88	2.718	21803.54	.171	.073	.099	1.060	.028

IN-SITU ORE RESERVE EVALUATION

DESCRIPTION : GRUM RESERVES BENEATH PIT FOR SECT 74W

TOTAL FOR ALL BENCHES

TOP ELEVATION : 1336.00 [m]
 BOTTOM ELEVATION : 868.00 [m]

SURFACE GRID RECORD : 6 Undergrum BP86 pit
 RESERVE INSIDE PDLYGON RECORD : 8 SECTION 74 W VOLUME LIMITS

CUMULATIVE RESULTS

CUT-OFF GRADES		ROCK-TYPE CODE	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES				
FROM [EGF]	TO [EGF]					[EGF]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]
14.000	100.000	6	3.36	3.986	13.39	14.471	5.091	9.379	79.702	1.629
14.000	100.000	7	5.35	4.048	21.66	14.453	5.092	9.361	82.326	1.489
14.000	100.000	8	5.35	4.048	21.66	14.453	5.092	9.361	82.326	1.489
14.000	100.000	9	11.29	3.741	42.24	15.428	5.516	9.912	59.979	1.271
12.000	14.000	1	11.29	3.741	42.24	15.428	5.516	9.912	59.979	1.271
12.000	14.000	2	11.29	3.741	42.24	15.428	5.516	9.912	59.979	1.271
12.000	14.000	3	11.29	3.741	42.24	15.428	5.516	9.912	59.979	1.271
12.000	14.000	4	11.29	3.741	42.24	15.428	5.516	9.912	59.979	1.271
12.000	14.000	5	11.29	3.741	42.24	15.428	5.516	9.912	59.979	1.271
12.000	14.000	6	15.35	3.821	58.64	14.810	5.257	9.553	63.401	1.367
12.000	14.000	7	15.47	3.823	59.13	14.801	5.254	9.548	63.589	1.366
12.000	14.000	8	15.47	3.823	59.13	14.801	5.254	9.548	63.589	1.366
12.000	14.000	9	15.47	3.823	59.13	14.801	5.254	9.548	63.589	1.366
10.000	12.000	1	15.47	3.823	59.13	14.801	5.254	9.548	63.589	1.366
10.000	12.000	2	15.47	3.823	59.13	14.801	5.254	9.548	63.589	1.366
10.000	12.000	3	15.47	3.823	59.13	14.801	5.254	9.548	63.589	1.366
10.000	12.000	4	15.47	3.823	59.13	14.801	5.254	9.548	63.589	1.366
10.000	12.000	5	15.47	3.823	59.13	14.801	5.254	9.548	63.589	1.366
10.000	12.000	6	29.86	3.916	116.92	13.109	4.877	8.232	65.883	1.361
10.000	12.000	7	29.86	3.916	116.92	13.109	4.877	8.232	65.883	1.361
10.000	12.000	8	29.86	3.916	116.92	13.109	4.877	8.232	65.883	1.361
10.000	12.000	9	30.40	3.907	118.77	13.072	4.867	8.205	65.433	1.354
8.000	10.000	1	30.40	3.907	118.77	13.072	4.867	8.205	65.433	1.354
8.000	10.000	2	31.67	3.873	122.65	12.934	4.819	8.116	64.952	1.329
8.000	10.000	3	31.67	3.873	122.65	12.934	4.819	8.116	64.952	1.329
8.000	10.000	4	32.00	3.873	123.95	12.886	4.802	8.084	64.884	1.332
8.000	10.000	5	33.62	3.871	130.16	12.710	4.806	7.904	64.843	1.310
8.000	10.000	6	40.45	3.859	156.11	12.080	4.786	7.293	64.639	1.287
8.000	10.000	7	40.45	3.859	156.11	12.080	4.786	7.293	64.639	1.287
8.000	10.000	8	40.45	3.859	156.11	12.080	4.786	7.293	64.639	1.287
8.000	10.000	9	40.45	3.859	156.11	12.080	4.786	7.293	64.639	1.287

6.000	8.000	1	40.45	3.859	156.11	12.080	4.786	7.293	64.639	1.287
6.000	8.000	2	40.45	3.859	156.11	12.080	4.786	7.293	64.639	1.287
6.000	8.000	3	.45	3.859	156.11	12.080	.86	7.293	64.639	1.287
6.000	8.000	4	58.81	3.798	223.36	10.485	4.232	6.253	58.804	1.242
6.000	8.000	5	58.81	3.798	223.36	10.485	4.232	6.253	58.804	1.242
6.000	8.000	6	79.87	3.815	304.68	9.581	4.017	5.564	55.866	1.250
6.000	8.000	7	79.87	3.815	304.68	9.581	4.017	5.564	55.866	1.250
6.000	8.000	8	79.87	3.815	304.68	9.581	4.017	5.564	55.866	1.250
6.000	8.000	9	79.87	3.815	304.68	9.581	4.017	5.564	55.866	1.250
4.000	6.000	1	79.87	3.815	304.68	9.581	4.017	5.564	55.866	1.250
4.000	6.000	2	79.87	3.815	304.68	9.581	4.017	5.564	55.866	1.250
4.000	6.000	3	79.87	3.815	304.68	9.581	4.017	5.564	55.866	1.250
4.000	6.000	4	80.41	3.815	306.79	9.555	4.008	5.547	55.770	1.249
4.000	6.000	5	105.25	3.730	392.62	8.471	3.601	4.870	50.557	1.196
4.000	6.000	6	105.25	3.730	392.62	8.471	3.601	4.870	50.557	1.196
4.000	6.000	7	105.25	3.730	392.62	8.471	3.601	4.870	50.557	1.196
4.000	6.000	8	105.25	3.730	392.62	8.471	3.601	4.870	50.557	1.196
4.000	6.000	9	105.25	3.730	392.62	8.471	3.601	4.870	50.557	1.196
.010	4.000	1	105.25	3.730	392.62	8.471	3.601	4.870	50.557	1.196
.010	4.000	2	105.25	3.730	392.62	8.471	3.601	4.870	50.557	1.196
.010	4.000	3	134.95	3.636	490.65	7.249	3.053	4.195	44.128	1.100
.010	4.000	4	134.95	3.636	490.65	7.249	3.053	4.195	44.128	1.100
.010	4.000	5	148.99	3.637	541.95	6.898	2.921	3.977	42.629	1.121
.010	4.000	6	148.99	3.637	541.95	6.898	2.921	3.977	42.629	1.121
.010	4.000	7	148.99	3.637	541.95	6.898	2.921	3.977	42.629	1.121
.010	4.000	8	148.99	3.637	541.95	6.898	2.921	3.977	42.629	1.121
.010	4.000	9	148.99	3.637	541.95	6.898	2.921	3.977	42.629	1.121
.000	.010	1	148.99	3.637	541.95	6.898	2.921	3.977	42.629	1.121
.000	.010	2	148.99	3.637	541.95	6.898	2.921	3.977	42.629	1.121
.000	.010	3	149.53	3.635	543.57	6.878	2.912	3.965	42.502	1.118
.000	.010	4	149.53	3.635	543.57	6.878	2.912	3.965	42.502	1.118
.000	.010	5	150.07	3.633	545.19	6.857	2.903	3.954	42.376	1.115
.000	.010	6	151.69	3.626	550.05	6.796	2.878	3.919	42.002	1.105
.000	.010	7	151.69	3.626	550.05	6.796	2.878	3.919	42.002	1.105
.000	.010	8	151.69	3.626	550.05	6.796	2.878	3.919	42.002	1.105
.000	.010	9	156.01	3.609	563.01	6.640	2.812	3.828	41.035	1.079
.000	9999.000	10	8022.88	2.718	21803.54	.171	.073	.099	1.060	.028
.000	9999.000	****	8022.88	2.718	21803.54	.171	.073	.099	1.060	.028

TOTAL			8022.88	2.718	21803.54	.171	.073	.099	1.060	.028
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IN-SITU ORE RESERVE EVALUATION

DESCRIPTION : GRUM RESERVES BENEATH PIT FOR SECT 72W

TOTAL FOR ALL BENCHES

TOP ELEVATION : 1336.00 [m]
 BOTTOM ELEVATION : 868.00 [m]

SURFACE GRID RECORD : 6 Undergrum BP86 pit
 RESERVE INSIDE POLYGON RECORD : 9 SECTION 72 W VOLUME LIMITS

INCREMENTAL RESULTS

CUT-OFF GRADES		ROCK-TYPE CODE	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES				
FROM [EGF]	TO [EGF]					[EGF]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]
10.000	12.000	2	2.12	3.359	7.13	10.693	3.984	6.708	59.703	1.590
10.000	12.000	4	1.06	3.463	3.66	10.942	5.121	5.821	86.029	2.072
8.000	10.000	2	1.08	3.234	3.49	9.224	3.518	5.706	52.115	1.164
6.000	8.000	4	4.81	3.556	17.11	7.065	3.053	4.012	52.723	.897
4.000	6.000	1	1.03	3.060	3.16	4.331	1.653	2.679	30.527	.643
4.000	6.000	3	.54	3.278	1.77	4.456	1.893	2.563	31.000	1.471
4.000	6.000	4	1.51	3.547	5.36	5.408	2.032	3.377	37.659	1.426
.010	4.000	1	3.24	3.048	9.88	3.472	1.413	2.060	27.862	.614
.010	4.000	3	33.00	3.286	108.43	2.823	.776	2.047	21.038	.959
.010	4.000	5	12.96	3.812	49.40	2.388	1.701	.687	34.420	1.133
.000	.010	1	8.64	3.000	25.92	.000	.000	.000	.000	.000
.000	.010	6	10.80	3.000	32.40	.000	.000	.000	.000	.000
.000	9999.000	10	8296.88	2.700	22401.59	.000	.000	.000	.000	.000
TOTAL			8377.68	2.706	22669.31	.034	.014	.021	.284	.010

IN-SITU ORE RESERVE EVALUATION

DESCRIPTION : GRUM RESERVES BENEATH PIT FOR SECT 72W

TOTAL FOR ALL BENCHES

TOP ELEVATION : 1336.00 [m]
 BOTTOM ELEVATION : 868.00 [m]

SURFACE GRID RECORD : 6 Undergrum BP86 pit
 RESERVE INSIDE POLYGON RECORD : 9 SECTION 72 W VOLUME LIMITS

CUMULATIVE RESULTS

CUT-OFF GRADES		ROCK-TYPE CODE	VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [TONS x1000]	AVERAGE GRADES				
FROM [EGF]	TO [EGF]					[EGF]	[%Pb]	[%Zn]	[Ag g/t]	[Au g/t]
10.000	12.000	2	2.12	3.359	7.13	10.693	3.984	6.708	59.703	1.590
10.000	12.000	3	2.12	3.359	7.13	10.693	3.984	6.708	59.703	1.590
10.000	12.000	4	3.18	3.394	10.79	10.777	4.369	6.408	68.624	1.753
10.000	12.000	5	3.18	3.394	10.79	10.777	4.369	6.408	68.624	1.753
10.000	12.000	6	3.18	3.394	10.79	10.777	4.369	6.408	68.624	1.753
10.000	12.000	7	3.18	3.394	10.79	10.777	4.369	6.408	68.624	1.753
10.000	12.000	8	3.18	3.394	10.79	10.777	4.369	6.408	68.624	1.753
10.000	12.000	9	3.18	3.394	10.79	10.777	4.369	6.408	68.624	1.753
8.000	10.000	1	3.18	3.394	10.79	10.777	4.369	6.408	68.624	1.753
8.000	10.000	2	4.26	3.353	14.28	10.397	4.161	6.236	64.588	1.609
8.000	10.000	3	4.26	3.353	14.28	10.397	4.161	6.236	64.588	1.609
8.000	10.000	4	4.26	3.353	14.28	10.397	4.161	6.236	64.588	1.609
8.000	10.000	5	4.26	3.353	14.28	10.397	4.161	6.236	64.588	1.609
8.000	10.000	6	4.26	3.353	14.28	10.397	4.161	6.236	64.588	1.609
8.000	10.000	7	4.26	3.353	14.28	10.397	4.161	6.236	64.588	1.609
8.000	10.000	8	4.26	3.353	14.28	10.397	4.161	6.236	64.588	1.609
8.000	10.000	9	4.26	3.353	14.28	10.397	4.161	6.236	64.588	1.609
6.000	8.000	1	4.26	3.353	14.28	10.397	4.161	6.236	64.588	1.609
6.000	8.000	2	4.26	3.353	14.28	10.397	4.161	6.236	64.588	1.609
6.000	8.000	3	4.26	3.353	14.28	10.397	4.161	6.236	64.588	1.609
6.000	8.000	4	9.07	3.461	31.40	8.581	3.557	5.024	58.121	1.221
6.000	8.000	5	9.07	3.461	31.40	8.581	3.557	5.024	58.121	1.221
6.000	8.000	6	9.07	3.461	31.40	8.581	3.557	5.024	58.121	1.221
6.000	8.000	7	9.07	3.461	31.40	8.581	3.557	5.024	58.121	1.221
6.000	8.000	8	9.07	3.461	31.40	8.581	3.557	5.024	58.121	1.221
6.000	8.000	9	9.07	3.461	31.40	8.581	3.557	5.024	58.121	1.221
4.000	6.000	1	10.10	3.420	34.56	8.193	3.383	4.809	55.599	1.168
4.000	6.000	2	10.10	3.420	34.56	8.193	3.383	4.809	55.599	1.168
4.000	6.000	3	10.64	3.413	36.33	8.011	3.311	4.700	54.400	1.183
4.000	6.000	4	12.16	3.430	41.69	7.676	3.146	4.530	52.247	1.214
4.000	6.000	5	12.16	3.430	41.69	7.676	3.146	4.530	52.247	1.214

4.000	6.000	6	12.16	3.430	41.67	7.676	3.146	4.530	52.247	1.214
4.000	6.000	7	12.16	3.430	41.69	7.676	3.146	4.530	52.247	1.214
4.000	6.000	8	12.16	3.430	41.69	7.676	3.146	4.530	52.247	1.214
4.000	6.000	9	12.16	3.430	41.69	7.676	3.146	4.530	52.247	1.214
.010	4.000	1	15.40	3.349	51.57	6.871	2.814	4.057	47.576	1.099
.010	4.000	2	15.40	3.349	51.57	6.871	2.814	4.057	47.576	1.099
.010	4.000	3	48.40	3.306	160.00	4.127	1.433	2.695	29.591	1.004
.010	4.000	4	48.40	3.306	160.00	4.127	1.433	2.695	29.591	1.004
.010	4.000	5	61.36	3.413	209.40	3.717	1.496	2.221	30.731	1.034
.010	4.000	6	61.36	3.413	209.40	3.717	1.496	2.221	30.731	1.034
.010	4.000	7	61.36	3.413	209.40	3.717	1.496	2.221	30.731	1.034
.010	4.000	8	61.36	3.413	209.40	3.717	1.496	2.221	30.731	1.034
.010	4.000	9	61.36	3.413	209.40	3.717	1.496	2.221	30.731	1.034
.000	.010	1	70.00	3.362	235.32	3.308	1.331	1.976	27.346	.921
.000	.010	2	70.00	3.362	235.32	3.308	1.331	1.976	27.346	.921
.000	.010	3	70.00	3.362	235.32	3.308	1.331	1.976	27.346	.921
.000	.010	4	70.00	3.362	235.32	3.308	1.331	1.976	27.346	.921
.000	.010	5	70.00	3.362	235.32	3.308	1.331	1.976	27.346	.921
.000	.010	6	80.80	3.314	267.72	2.907	1.170	1.737	24.036	.809
.000	.010	7	80.80	3.314	267.72	2.907	1.170	1.737	24.036	.809
.000	.010	8	80.80	3.314	267.72	2.907	1.170	1.737	24.036	.809
.000	.010	9	80.80	3.314	267.72	2.907	1.170	1.737	24.036	.809
.000	9999.000	10	8377.68	2.706	22669.31	.034	.014	.021	.284	.010
.000	9999.000	****	8377.68	2.706	22669.31	.034	.014	.021	.284	.010

TOTAL			8377.68	2.706	22669.31	.034	.014	.021	.284	.010
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