

019904

MINING RESERVE EVALUATION

DESCRIPTION : Total Mining Reserves - Start-up topo to VIV Pit

TOTAL FOR ALL BENCHES

TOP ELEVATION : 1230.00 [m ]  
 BOTTOM ELEVATION : 990.00 [m ]

TOP SURFACE GRID RECORD : 1 VANGORDA TOPOGRAPHIC SURFACE - 1979 ORTHOPHOTO (POLYSECT)  
 BOTTOM SURFACE GRID RECORD : 4 Ion Vintila's Pit (Polysect) (Added to #1)

CUMULATIVE RESULTS

CUT-OFF GRADES		VOLUME	DENSITY	TONNAGE	AVERAGE GRADES					ECONOMIC FACTOR
FROM [Pb+Zn%]	TO [Pb+Zn%]				[bcm x1000]	[tn/bcm]	[ TONS x1000]	[Pb+Zn%]	[Pb % ]	
12.000	50.000	157.01	4.281	672.09	13.092	5.730	7.362	81.413	.786	.00
11.000	12.000	347.69	4.254	1479.01	12.209	5.290	6.919	74.854	.750	.00
10.000	11.000	613.72	4.219	2589.02	11.455	4.956	6.498	70.297	.728	.00
9.000	10.000	875.47	4.194	3672.13	10.885	4.730	6.155	67.303	.747	.00
8.000	9.000	1069.22	4.174	4463.00	10.465	4.574	5.890	64.834	.780	.00
7.000	8.000	1237.41	4.126	5105.91	10.088	4.430	5.658	62.752	.783	.00
6.000	7.000	1354.83	4.079	5526.68	9.818	4.315	5.503	61.121	.785	.00
5.000	6.000	1484.69	3.991	5924.95	9.525	4.170	5.355	59.078	.769	.00
4.000	5.000	1632.80	3.919	6399.55	9.151	4.006	5.144	56.679	.754	.00
3.000	4.000	1816.96	3.857	7007.49	8.657	3.792	4.865	53.762	.749	.00
2.000	3.000	2164.34	3.807	8238.78	7.726	3.388	4.338	48.819	.753	.00
1.000	2.000	2463.39	3.794	9345.29	6.998	3.074	3.925	45.095	.768	.00
.010	1.000	2506.66	3.793	9508.74	6.892	3.028	3.864	44.563	.773	.00
TOTAL		2506.66	3.793	9508.74	6.892	3.028	3.864	44.563	.773	.00

VANGORDA

MINING RESERVE EVALUATION

DESCRIPTION : Total Mining Reserves - Start-up topo to VIV Pit

TOTAL FOR ALL BENCHES

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TOP SURFACE GRID RECORD : 1 VANGORDA TOPOGRAPHIC SURFACE - 1979 ORTHOPHOTO (POLYSECT)  
 BOTTOM SURFACE GRID RECORD : 4 Ion Vintila's Pit (Polysect) (Added to #1)

INCREMENTAL RESULTS

CUT-OFF GRADES		VOLUME	DENSITY	TONNAGE	AVERAGE GRADES					ECONOMIC FACTOR
FROM [Pb+Zn%]	TO [Pb+Zn%]				[bcm x1000]	[tn/bcm]	[ TONS x1000]	[Pb+Zn%]	[Pb % ]	
12.000	50.000	157.01	4.281	672.09	13.092	5.730	7.362	81.413	.786	.00
11.000	12.000	190.69	4.232	806.92	11.473	4.923	6.550	69.391	.720	.00
10.000	11.000	266.02	4.173	1110.01	10.449	4.512	5.938	64.225	.699	.00
9.000	10.000	261.76	4.138	1083.11	9.525	4.190	5.336	60.146	.793	.00
8.000	9.000	193.75	4.082	790.87	8.510	3.849	4.661	53.371	.930	.00
7.000	8.000	168.19	3.823	642.91	7.475	3.431	4.043	48.302	.810	.00
6.000	7.000	117.42	3.583	420.78	6.541	2.919	3.622	41.328	.807	.00
5.000	6.000	129.86	3.067	398.26	5.460	2.156	3.305	30.727	.542	.00
4.000	5.000	148.11	3.204	474.60	4.476	1.962	2.515	26.726	.573	.00
3.000	4.000	184.16	3.301	607.94	3.459	1.541	1.919	23.051	.695	.00
2.000	3.000	347.38	3.545	1231.29	2.426	1.088	1.339	20.687	.772	.00
1.000	2.000	299.05	3.700	1106.51	1.583	.732	.852	17.369	.885	.00
.010	1.000	43.27	3.778	163.45	.829	.430	.399	14.128	1.070	.00
TOTAL		2506.66	3.793	9508.74	6.892	3.028	3.864	44.563	.773	.00

MINING RESERVE EVALUATION

DESCRIPTION : Fard Remaining Mining Reserves By Incremental Grade

TOTAL FOR ALL BENCHES

TOP ELEVATION : 3910.00 [ft ]  
 BOTTOM ELEVATION : 3090.00 [ft ]

TOP SURFACE GRID RECORD : 9 F89-07 FARD JULY 1989 MONTH-END CUT SURFACE (corrected)  
 BOTTOM SURFACE GRID RECORD : 8 FIV ULTIMATE PIT MERGED TO JUNE 1989 MONTH END CUT SURFACE

CUMULATIVE RESULTS

CUT-OFF GRADES		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]	
FROM [%Pb+Zn]	TO [%Pb+Zn]				[%Pb+Zn]	[%Pb ]	[%Zn ]	[Ag g/T]		[Au g/T]
12.000	50.000	4586.47	.111	507.41	14.164	4.814	9.349	39.418	.000	.00
11.000	12.000	9373.57	.113	1057.23	12.740	4.531	8.209	42.259	.000	.00
10.000	11.000	16543.63	.114	1882.09	11.759	4.336	7.423	44.641	.000	.00
9.000	10.000	26371.52	.115	3028.54	10.879	4.026	6.853	42.122	.000	.00
8.000	9.000	40275.86	.115	4647.52	10.049	3.727	6.322	39.175	.000	.00
7.000	8.000	57726.35	.115	6632.52	9.283	3.440	5.843	36.544	.000	.00
6.000	7.000	75996.20	.113	8610.97	8.640	3.194	5.446	34.866	.000	.00
5.000	6.000	94293.43	.112	10567.43	8.060	2.979	5.081	33.234	.000	.00
4.000	5.000	115543.70	.111	12825.78	7.431	2.752	4.679	31.356	.000	.00
3.000	4.000	134375.70	.110	14775.16	6.920	2.564	4.356	29.710	.000	.00
2.000	3.000	141325.70	.110	15518.83	6.713	2.486	4.227	28.960	.000	.00
1.000	2.000	143146.50	.110	15717.43	6.650	2.463	4.187	28.755	.000	.00
.010	1.000	143287.90	.110	15731.87	6.644	2.461	4.184	28.740	.000	.00
TOTAL		143287.90	.110	15731.87	6.644	2.461	4.184	28.740	.000	.00

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INCREMENTAL RESULTS

CUT-OFF GRADES		VOLUME [bcf x1000]	DENSITY [tn/bcf]	TONNAGE		AVERAGE GRADES				ECONOMIC FACTOR [Cdn \$ x1000]
FROM [%Pb+Zn]	TO [%Pb+Zn]			TONNES [ TONS x1000]	[%Pb+Zn]	[%Pb ]	[%Zn ]	[Ag g/T]	[Au g/T]	
12.000	50.000	4586.47	.111	507.41	14.164	4.814	9.349	39.418	.000	.00
11.000	12.000	4787.11	.115	549.82	11.426	4.269	7.157	44.880	.000	.00
10.000	11.000	7170.06	.115	824.85	10.502	4.087	6.415	47.695	.000	.00
9.000	10.000	9827.89	.117	1146.45	9.433	3.515	5.918	37.986	.000	.00
8.000	9.000	13904.35	.116	1618.98	8.496	3.168	5.328	33.661	.000	.00
7.000	8.000	17450.48	.114	1985.00	7.491	2.767	4.724	30.384	.000	.00
6.000	7.000	18269.84	.108	1978.45	6.483	2.371	4.112	29.240	.000	.00
5.000	6.000	18297.24	.107	1956.47	5.507	2.032	3.475	26.055	.000	.00
4.000	5.000	21250.29	.106	2258.35	4.488	1.689	2.798	22.568	.000	.00
3.000	4.000	18831.99	.104	1949.380	3.562	1.330	2.232	18.879	.000	.00
2.000	3.000	6949.97	.107	743.67	2.601	.929	1.673	14.049	.000	.00
1.000	2.000	1820.80	.109	198.60	1.689	.638	1.051	12.795	.000	.00
.010	1.000	141.42	.102	14.44	.649	.235	.414	11.665	.000	.00
TOTAL		143287.90	.110	15731.87	6.644	2.461	4.184	28.740	.000	.00

*Existing Stockpiles*

	Pb	Zn	Ag	Fe			
L9A	814	460	1.97	2.72	29	32.5	"BCD"
L7C	383	141	1.56	2.85	30	15	"A"
	<u>1,197,601</u>						