

IN-SITU ORE RESERVE EVALUATION

DESCRIPTION : Remaining Geological Reserves - As of December 31 1987

SURFACE GRID RECORD : 18 FARO - December 1987 Year End Pit Surface (BSLSECT)  
 BENCH TOTALS FOR WASTE FROM .0000 [%Pb+Zn] TO 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			
	[ft	]	[ft	]				[%Pb+Zn]	[ %Pb ]	[ %Zn ]	[Ag g/t]
1	4270.00	4230.00	86102.49	.076	6543.79	.000	.000	.000	.000	.000	
2	4230.00	4190.00	123500.00	.076	9386.00	.000	.000	.000	.000	.000	
3	4190.00	4150.00	144725.00	.076	10999.10	.000	.000	.000	.000	.000	
4	4150.00	4110.00	171427.80	.076	13028.49	.000	.000	.000	.000	.000	
5	4110.00	4070.00	201862.60	.076	15341.55	.000	.000	.000	.000	.000	
6	4070.00	4030.00	227600.00	.076	17297.60	.000	.000	.000	.000	.000	
7	4030.00	3990.00	287800.90	.076	21872.99	.000	.000	.000	.000	.000	
8	3990.00	3950.00	423316.80	.076	32172.51	.000	.000	.000	.000	.000	
9	3950.00	3910.00	603515.60	.076	45868.67	.000	.000	.000	.000	.000	
10	3910.00	3890.00	322930.30	.076	24544.01	.000	.000	.000	.000	.000	
11	3890.00	3870.00	330695.00	.076	25134.24	.000	.000	.000	.000	.000	
12	3870.00	3850.00	341811.60	.076	25979.11	.002	.001	.001	.002	.000	
13	3850.00	3830.00	348352.00	.076	26475.84	.002	.001	.001	.001	.000	
14	3830.00	3810.00	356699.30	.076	27111.52	.004	.002	.003	.003	.000	
15	3810.00	3790.00	363684.50	.076	27642.39	.001	.000	.001	.001	.000	
16	3790.00	3770.00	370964.80	.076	28196.16	.005	.002	.003	.004	.001	
17	3770.00	3750.00	376470.40	.076	28614.84	.001	.000	.001	.001	.000	
18	3750.00	3730.00	381496.30	.076	28997.99	.001	.001	.001	.001	.000	
19	3730.00	3710.00	386704.60	.076	29394.68	.002	.001	.001	.002	.000	
20	3710.00	3690.00	393530.00	.076	29924.72	.008	.003	.004	.005	.000	
21	3690.00	3670.00	398371.00	.076	30281.28	.007	.002	.005	.005	.001	
22	3670.00	3650.00	403506.90	.076	30680.67	.014	.005	.009	.009	.001	
23	3650.00	3630.00	405880.80	.076	30880.62	.014	.005	.009	.009	.001	
24	3630.00	3610.00	417504.80	.076	31786.16	.025	.010	.015	.024	.002	
25	3610.00	3590.00	419906.30	.076	31977.43	.027	.011	.017	.020	.002	
26	3590.00	3570.00	426479.60	.076	32526.51	.048	.019	.029	.033	.002	
27	3570.00	3550.00	425807.20	.076	32444.91	.038	.014	.024	.029	.002	
28	3550.00	3530.00	424942.40	.077	32515.62	.038	.014	.024	.023	.002	
29	3530.00	3510.00	425402.30	.076	32472.09	.063	.023	.040	.040	.002	
30	3510.00	3490.00	424212.60	.076	32384.20	.065	.023	.042	.035	.002	
31	3490.00	3470.00	422480.70	.076	32206.03	.054	.019	.034	.029	.002	
32	3470.00	3450.00	425812.20	.076	32436.45	.051	.018	.033	.026	.001	
33	3450.00	3430.00	431150.40	.076	32836.00	.055	.019	.036	.032	.001	
34	3430.00	3410.00	433369.70	.076	32992.73	.038	.013	.025	.025	.001	
35	3410.00	3390.00	437745.80	.076	33306.45	.036	.012	.024	.023	.001	
36	3390.00	3370.00	441094.70	.076	33536.90	.034	.011	.023	.021	.000	
37	3370.00	3350.00	442494.30	.076	33636.95	.019	.006	.013	.014	.000	
38	3350.00	3330.00	445443.30	.076	33856.10	.018	.006	.012	.018	.000	
39	3330.00	3310.00	447142.80	.076	33984.80	.002	.001	.001	.002	.000	
40	3310.00	3290.00	448392.40	.076	34079.30	.000	.000	.000	.000	.000	

TOTAL FOR ALL BENCHES

14790330.00

.076

1125348.00

.019

.007

.012

.013

.001

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IN-SITU ORE RESERVE EVALUATION

DESCRIPTION : Remaining Geological Reserves - As of December 31 1987

SURFACE GRID RECORD : 18 FARO - December 1987 Year End Pit Surface (BSLSECT)  
 BENCH TOTALS FOR STOCKPILE FROM 4.0000 [%Pb+Zn] TO 5.0000 [%Pb+Zn]

BENCH	CREST		TOE		VOLUME [bcf x1000]	DENSITY [tn/bcf]	TONNAGE [ TONS x1000]	AVERAGE GRADES				
	[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	.000	.000
2	4230.00	4190.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.000
3	4190.00	4150.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.000
4	4150.00	4110.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.000
5	4110.00	4070.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.000
6	4070.00	4030.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.000
7	4030.00	3990.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.000
8	3990.00	3950.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.000
9	3950.00	3910.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.000
10	3910.00	3890.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.000
11	3890.00	3870.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.000
12	3870.00	3850.00	147.50	.076	11.16	4.463	2.099	2.363	4.004	.276		
13	3850.00	3830.00	.00	.000	.00	.000	.000	.000	.000	.000	.000	.000
14	3830.00	3810.00	100.00	.079	7.95	4.369	1.762	2.611	2.898	.138		
15	3810.00	3790.00	457.50	.080	36.73	4.343	1.699	2.645	3.354	.238		
16	3790.00	3770.00	250.00	.082	20.60	4.519	1.753	2.766	3.576	.218		
17	3770.00	3750.00	10.00	.076	.76	4.240	1.350	2.890	3.600	.410		
18	3750.00	3730.00	260.00	.093	24.28	4.402	1.842	2.559	3.203	.376		
19	3730.00	3710.00	425.00	.098	41.46	4.573	2.118	2.455	3.574	.528		
20	3710.00	3690.00	202.50	.104	21.09	4.296	1.808	2.490	2.916	.234		
21	3690.00	3670.00	537.50	.100	53.72	4.532	1.818	2.715	2.398	.159		
22	3670.00	3650.00	775.00	.097	75.02	4.591	1.837	2.755	2.466	.203		
23	3650.00	3630.00	1217.50	.097	117.78	4.526	1.783	2.744	2.609	.172		
24	3630.00	3610.00	1100.00	.090	99.55	4.509	1.441	3.070	1.833	.084		
25	3610.00	3590.00	2000.00	.089	178.15	4.502	1.735	2.767	3.032	.145		
26	3590.00	3570.00	1795.00	.090	161.85	4.391	1.741	2.652	2.758	.148		
27	3570.00	3550.00	2632.50	.094	246.65	4.543	1.742	2.802	2.706	.098		
28	3550.00	3530.00	1930.00	.100	192.89	4.536	1.814	2.724	2.558	.126		
29	3530.00	3510.00	3730.00	.093	345.26	4.504	1.821	2.684	2.695	.108		
30	3510.00	3490.00	2290.00	.090	205.91	4.473	1.693	2.780	2.542	.109		
31	3490.00	3470.00	1680.00	.090	151.65	4.538	1.722	2.817	2.481	.117		
32	3470.00	3450.00	2682.50	.091	244.60	4.596	2.019	2.577	3.454	.087		
33	3450.00	3430.00	2397.50	.090	215.30	4.514	1.625	2.891	2.712	.077		
34	3430.00	3410.00	2697.50	.091	245.07	4.448	1.463	2.985	2.218	.080		
35	3410.00	3390.00	1800.00	.085	153.40	4.363	1.438	2.926	2.656	.107		
36	3390.00	3370.00	1100.00	.086	94.15	4.459	1.471	2.990	2.679	.060		
37	3370.00	3350.00	1250.00	.079	99.35	4.377	1.363	3.016	2.459	.027		
38	3350.00	3330.00	500.00	.079	39.25	4.369	1.551	2.819	3.353	.193		
39	3330.00	3310.00	50.00	.083	4.15	4.850	1.550	3.310	2.500	.000		
40	3310.00	3290.00	50.00	.084	4.20	4.760	1.590	3.180	1.700	.000		

TOTAL FOR ALL BENCHES

34067.50

.091

3091.92

4.493

1.707

2.787

2.704

.120

IN-SITU ORE RESERVE EVALUATION

DESCRIPTION : Remaining Geological Reserves - As of December 31 1987

SURFACE GRID RECORD : 18 FARO - December 1987 Year End Pit Surface (BSLSECT)  
 BENCH TOTALS FOR ORE ABOVE 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				
						[%Pb+Zn]	[ %Pb ]	[ %Zn ]	[Ag g/t]	[Au g/t]
1	4270.00	4230.00	.00	.000	.00	.000	.000	.000	.000	.000
2	4230.00	4190.00	.00	.000	.00	.000	.000	.000	.000	.000
3	4190.00	4150.00	.00	.000	.00	.000	.000	.000	.000	.000
4	4150.00	4110.00	.00	.000	.00	.000	.000	.000	.000	.000
5	4110.00	4070.00	.00	.000	.00	.000	.000	.000	.000	.000
6	4070.00	4030.00	.00	.000	.00	.000	.000	.000	.000	.000
7	4030.00	3990.00	.00	.000	.00	.000	.000	.000	.000	.000
8	3990.00	3950.00	.00	.000	.00	.000	.000	.000	.000	.000
9	3950.00	3910.00	.00	.000	.00	.000	.000	.000	.000	.000
10	3910.00	3890.00	.00	.000	.00	.000	.000	.000	.000	.000
11	3890.00	3870.00	152.50	.088	13.43	8.210	3.690	4.527	5.059	.040
12	3870.00	3850.00	215.00	.086	18.42	6.374	2.721	3.653	4.633	.109
13	3850.00	3830.00	160.00	.092	14.78	9.212	3.757	5.455	6.049	.175
14	3830.00	3810.00	167.50	.087	14.64	6.968	2.937	4.031	5.193	.169
15	3810.00	3790.00	150.00	.085	12.75	6.733	3.082	3.651	5.831	.222
16	3790.00	3770.00	50.00	.079	3.95	5.820	2.170	3.650	3.800	.270
17	3770.00	3750.00	160.00	.096	15.42	8.691	3.353	5.338	5.466	.403
18	3750.00	3730.00	800.00	.114	90.88	6.037	2.421	3.616	3.011	.152
19	3730.00	3710.00	1475.00	.098	144.57	6.865	2.537	4.328	4.140	.156
20	3710.00	3690.00	2155.00	.097	209.57	7.020	2.658	4.362	4.047	.104
21	3690.00	3670.00	2390.00	.097	230.68	6.761	2.521	4.240	3.459	.199
22	3670.00	3650.00	2675.00	.100	268.20	7.557	3.027	4.530	3.518	.196
23	3650.00	3630.00	4050.00	.099	399.80	7.113	2.765	4.348	3.346	.203
24	3630.00	3610.00	4725.00	.099	468.75	8.155	3.063	5.093	3.592	.165
25	3610.00	3590.00	6492.50	.099	643.38	8.359	3.267	5.092	4.050	.150
26	3590.00	3570.00	7040.00	.096	675.28	8.157	3.133	5.025	3.949	.117
27	3570.00	3550.00	9000.00	.099	887.10	8.235	3.406	4.829	4.230	.105
28	3550.00	3530.00	12485.00	.098	1229.48	7.827	3.139	4.688	4.571	.111
29	3530.00	3510.00	12207.50	.099	1212.86	8.662	3.378	5.285	4.364	.101
30	3510.00	3490.00	16580.00	.100	1658.77	8.699	3.435	5.264	4.501	.093
31	3490.00	3470.00	20167.50	.099	2001.23	9.233	3.684	5.550	4.806	.085
32	3470.00	3450.00	17327.50	.101	1747.84	9.014	3.537	5.477	4.453	.063
33	3450.00	3430.00	13345.00	.104	1385.74	8.452	3.230	5.223	3.873	.099
34	3430.00	3410.00	13362.50	.105	1403.83	7.961	3.040	4.922	3.294	.072
35	3410.00	3390.00	10400.00	.102	1060.15	7.585	2.959	4.627	3.184	.054
36	3390.00	3370.00	7750.00	.100	773.10	8.286	3.086	5.201	3.396	.072
37	3370.00	3350.00	6200.00	.091	564.70	8.766	3.132	5.634	4.026	.105
38	3350.00	3330.00	4000.00	.088	353.30	8.878	3.074	5.806	3.918	.128
39	3330.00	3310.00	2750.00	.086	235.15	7.988	2.644	5.345	4.815	.082
40	3310.00	3290.00	1500.00	.085	127.50	8.008	2.646	5.362	4.568	.088

TOTAL FOR ALL BENCHES

179932.50

.099

17865.24

8.356

3.241

5.115

4.094

.100