

IN-SITU ORE RESERVE EVALUATION

DESCRIPTION : In-Situ Reserves, Revised Density Model

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

BENCH	CREST		TOE		VOLUME [bcm x1000]	DENSITY [tn/bcm]	TONNAGE [ TONS x1000]	AVERAGE GRADES			
	[m	]	[m	]				[%Pb+Zn]	[ %Pb ]	[ %Zn ]	[Ag g/t]
1	1336.00	1324.00	12672.00	2.100	26611.20	.000	.000	.000	.000	.000	
2	1324.00	1312.00	12672.00	2.100	26611.20	.000	.000	.000	.000	.000	
3	1312.00	1300.00	12672.00	2.210	28002.24	.000	.000	.000	.000	.000	
4	1300.00	1295.50	4752.00	2.300	10927.55	.000	.000	.000	.000	.000	
5	1295.50	1291.00	4751.46	2.333	11083.23	.000	.000	.000	.000	.000	
6	1291.00	1286.50	4750.38	2.363	11225.47	.000	.000	.000	.000	.000	
7	1286.50	1282.00	4749.30	2.382	11311.00	.000	.000	.000	.000	.000	
8	1282.00	1277.50	4746.06	2.408	11428.61	.000	.000	.000	.000	.000	
9	1277.50	1273.00	4741.74	2.421	11479.16	.000	.000	.000	.000	.000	
10	1273.00	1268.50	4737.42	2.434	11528.73	.000	.000	.000	.000	.000	
11	1268.50	1264.00	4734.72	2.450	11600.82	.000	.000	.000	.000	.000	
12	1264.00	1259.50	4728.78	2.464	11649.58	.000	.000	.000	.000	.000	
13	1259.50	1255.00	4717.98	2.480	11701.71	.002	.001	.001	.011	.000	
14	1255.00	1250.50	4704.48	2.493	11726.36	.002	.001	.001	.015	.001	
15	1250.50	1246.00	4686.12	2.523	11821.78	.004	.001	.003	.028	.001	
16	1246.00	1241.50	4663.98	2.536	11830.04	.007	.002	.005	.050	.002	
17	1241.50	1237.00	4644.54	2.554	11863.17	.010	.003	.007	.069	.002	
18	1237.00	1232.50	4634.82	2.560	11863.06	.012	.004	.008	.082	.002	
19	1232.50	1228.00	4624.56	2.568	11875.48	.017	.006	.011	.117	.002	
20	1228.00	1223.50	4595.94	2.578	11849.03	.014	.005	.009	.100	.002	
21	1223.50	1219.00	4584.06	2.586	11855.69	.013	.005	.008	.092	.002	
22	1219.00	1214.50	4593.24	2.614	12008.08	.021	.008	.013	.152	.003	
23	1214.50	1210.00	4594.32	2.634	12101.38	.022	.008	.014	.154	.003	
24	1210.00	1205.50	4585.68	2.651	12157.32	.015	.006	.009	.112	.002	
25	1205.50	1201.00	4572.72	2.658	12152.47	.011	.005	.006	.087	.002	
26	1201.00	1196.50	4569.48	2.702	12346.79	.013	.006	.007	.110	.003	
27	1196.50	1192.00	4575.42	2.702	12363.08	.013	.006	.007	.111	.003	
28	1192.00	1187.50	4580.28	2.702	12375.33	.015	.006	.009	.112	.003	
29	1187.50	1183.00	4576.50	2.702	12364.74	.013	.005	.008	.101	.003	
30	1183.00	1178.50	4567.32	2.702	12342.39	.016	.006	.010	.126	.004	
31	1178.50	1174.00	4560.84	2.702	12323.60	.016	.006	.010	.122	.003	
32	1174.00	1169.50	4560.30	2.701	12319.22	.011	.004	.007	.087	.002	
33	1169.50	1165.00	4555.98	2.701	12307.58	.013	.005	.008	.103	.003	
34	1165.00	1160.50	4536.54	2.702	12255.56	.014	.005	.009	.109	.003	
35	1160.50	1156.00	4527.36	2.702	12231.00	.015	.006	.009	.112	.003	
36	1156.00	1151.50	4527.36	2.701	12227.66	.009	.003	.006	.062	.002	
37	1151.50	1147.00	4530.06	2.701	12237.78	.012	.005	.007	.085	.002	
38	1147.00	1142.50	4525.74	2.703	12230.82	.018	.007	.011	.141	.004	
39	1142.50	1138.00	4528.44	2.703	12242.22	.027	.010	.016	.198	.005	
40	1138.00	1133.50	4543.56	2.705	12288.14	.037	.014	.023	.268	.006	
41	1133.50	1129.00	4559.22	2.706	12336.38	.049	.019	.030	.356	.009	

42	1129.00	1124.50	4550.04	2.705	12307.01	.047	.018	.028	.339	.008
43	1124.50	1120.00	4534.38	2.703	12255.47	.032	.013	.019	.226	.006
44	1120.00	1115.50	4536.54	2.702	12256.97	.025	.011	.014	.181	.005
45	1115.50	1111.00	4546.26	2.702	12283.79	.028	.012	.016	.202	.005
46	1111.00	1106.50	4550.04	2.702	12295.45	.029	.013	.016	.211	.006
47	1106.50	1102.00	4564.08	2.703	12337.27	.032	.014	.018	.227	.007
48	1102.00	1097.50	4570.02	2.704	12355.45	.030	.014	.016	.217	.008
49	1097.50	1093.00	4577.58	2.704	12379.54	.035	.016	.019	.268	.009
50	1093.00	1088.50	4575.96	2.704	12372.12	.030	.014	.016	.226	.008
TOTAL FOR ALL BENCHES			254739.60	2.536	645899.70	.014	.006	.008	.102	.003

IN-SITU ORE RESERVE EVALUATION

DESCRIPTION : In-Situ Reserves, Revised Density Model

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]	AVERAGE GRADES			
	[m	]	[m	]				[%Pb+Zn]	[ %Pb ]	[ %Zn ]	[Ag g/t]
1	1336.00	1324.00	.00	.000	.00	.000	.000	.000	.000	.000	.000
2	1324.00	1312.00	.00	.000	.00	.000	.000	.000	.000	.000	.000
3	1312.00	1300.00	.00	.000	.00	.000	.000	.000	.000	.000	.000
4	1300.00	1295.50	.00	.000	.00	.000	.000	.000	.000	.000	.000
5	1295.50	1291.00	.54	2.894	1.56	5.864	2.198	3.666	34.000	.494	
6	1291.00	1286.50	1.62	2.896	4.69	5.874	2.222	3.652	34.667	.490	
7	1286.50	1282.00	2.70	2.907	7.85	5.754	2.156	3.598	33.994	.493	
8	1282.00	1277.50	4.86	2.907	14.13	5.810	2.198	3.612	34.665	.507	
9	1277.50	1273.00	7.56	2.910	22.00	5.813	2.225	3.588	35.499	.516	
10	1273.00	1268.50	12.96	2.940	38.10	5.669	2.060	3.608	33.810	.767	
11	1268.50	1264.00	15.12	2.941	44.47	5.554	1.962	3.593	32.753	.810	
12	1264.00	1259.50	17.28	2.976	51.43	5.096	1.775	3.321	30.243	.819	
13	1259.50	1255.00	21.60	2.969	64.14	5.105	1.779	3.325	30.729	.811	
14	1255.00	1250.50	20.52	2.943	60.40	5.118	1.756	3.362	31.164	.781	
15	1250.50	1246.00	21.06	2.952	62.17	4.868	1.611	3.257	29.590	.795	
16	1246.00	1241.50	34.56	2.979	102.96	5.014	1.645	3.368	30.576	.739	
17	1241.50	1237.00	35.10	2.959	103.85	4.768	1.584	3.184	30.324	.618	
18	1237.00	1232.50	36.18	2.972	107.52	4.715	1.557	3.158	30.181	.558	
19	1232.50	1228.00	29.70	2.998	89.05	4.734	1.541	3.193	28.708	.484	
20	1228.00	1223.50	36.18	3.028	109.54	4.882	1.568	3.314	28.878	.462	
21	1223.50	1219.00	44.28	3.008	133.19	4.807	1.581	3.225	29.358	.507	
22	1219.00	1214.50	43.74	3.012	131.76	4.853	1.649	3.203	30.150	.509	
23	1214.50	1210.00	41.04	3.037	124.66	4.797	1.674	3.124	29.572	.519	
24	1210.00	1205.50	41.04	3.053	125.31	4.965	1.792	3.173	30.400	.557	
25	1205.50	1201.00	51.84	3.059	158.60	5.094	1.809	3.285	31.136	.574	
26	1201.00	1196.50	52.92	3.043	161.05	5.147	1.798	3.349	31.237	.576	
27	1196.50	1192.00	49.68	3.055	151.77	5.059	1.766	3.293	31.370	.573	
28	1192.00	1187.50	42.66	3.078	131.30	4.971	1.776	3.195	31.393	.596	
29	1187.50	1183.00	49.68	3.067	152.38	5.035	1.815	3.220	31.123	.601	
30	1183.00	1178.50	43.74	3.069	134.25	4.996	1.812	3.184	31.352	.667	
31	1178.50	1174.00	37.80	3.100	117.17	4.950	1.836	3.114	31.741	.749	
32	1174.00	1169.50	37.80	3.037	114.80	4.919	1.776	3.143	31.156	.669	
33	1169.50	1165.00	41.58	3.063	127.34	4.915	1.823	3.092	31.883	.673	
34	1165.00	1160.50	58.32	3.090	180.21	5.006	1.897	3.109	33.168	.726	
35	1160.50	1156.00	65.88	3.142	207.03	5.156	1.986	3.170	34.555	.751	
36	1156.00	1151.50	68.04	3.186	216.80	5.118	1.950	3.168	34.714	.846	
37	1151.50	1147.00	65.88	3.249	214.03	5.139	2.029	3.109	36.351	.871	
38	1147.00	1142.50	74.52	3.283	244.62	5.164	2.110	3.054	37.780	.936	
39	1142.50	1138.00	80.46	3.248	261.36	5.089	2.084	3.005	36.968	.905	
40	1138.00	1133.50	75.06	3.203	240.43	5.038	2.029	3.008	35.568	.889	
41	1133.50	1129.00	69.66	3.148	219.27	5.036	1.996	3.041	34.467	.871	

42	1129.00	1124.50	80.46	3.129	251.79	5.056	1.957	3.100	33.888	.833
43	1124.50	1120.00	78.30	3.127	244.82	4.913	1.941	2.973	33.328	.824
44	1120.00	1115.50	65.34	3.155	206.15	4.830	1.970	2.860	33.626	.887
45	1115.50	1111.00	56.70	3.205	181.71	4.843	2.010	2.833	33.939	.928
46	1111.00	1106.50	49.68	3.224	160.17	4.885	2.055	2.830	34.075	.986
47	1106.50	1102.00	44.28	3.243	143.59	4.936	2.087	2.849	33.573	.993
48	1102.00	1097.50	45.36	3.290	149.22	4.815	2.011	2.804	33.016	.957
49	1097.50	1093.00	43.20	3.323	143.56	4.828	2.091	2.738	34.477	1.010
50	1093.00	1088.50	46.44	3.312	153.82	4.874	2.169	2.706	35.707	1.016
TOTAL FOR ALL BENCHES			1942.92	3.122	6065.99	4.993	1.897	3.096	33.042	.768

IN-SITU ORE RESERVE EVALUATION

DESCRIPTION : In-Situ Reserves, Revised Density Model

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

BENCH	CREST		TOE		VOLUME		DENSITY	TONNAGE		AVERAGE GRADES			
	[m	]	[m	]	[bcm	x1000]	[tn/bcm]	[ TONS x1000]	[%Pb+Zn]	[ %Pb ]	[ %Zn ]	[Ag g/t]	[Au g/t]
1	1336.00	1324.00	.00	.000	.00	.000	.000	.00	.000	.000	.000	.000	.000
2	1324.00	1312.00	.00	.000	.00	.000	.000	.00	.000	.000	.000	.000	.000
3	1312.00	1300.00	.00	.000	.00	.000	.000	.00	.000	.000	.000	.000	.000
4	1300.00	1295.50	.00	.000	.00	.000	.000	.00	.000	.000	.000	.000	.000
5	1295.50	1291.00	.00	.000	.00	.000	.000	.00	.000	.000	.000	.000	.000
6	1291.00	1286.50	.00	.000	.00	.000	.000	.00	.000	.000	.000	.000	.000
7	1286.50	1282.00	.00	.000	.00	.000	.000	.00	.000	.000	.000	.000	.000
8	1282.00	1277.50	1.08	3.385	3.66	12.405	4.572	7.834	84.071	.791			
9	1277.50	1273.00	2.70	3.206	8.66	10.386	3.788	6.598	68.804	.729			
10	1273.00	1268.50	1.62	3.061	4.96	9.624	3.069	6.555	61.629	.820			
11	1268.50	1264.00	2.16	2.913	6.29	8.187	2.391	5.796	50.000	.816			
12	1264.00	1259.50	5.94	2.923	17.37	7.270	2.365	4.905	43.127	.839			
13	1259.50	1255.00	12.42	2.951	36.65	7.678	2.574	5.103	45.558	.768			
14	1255.00	1250.50	27.00	2.961	79.95	8.140	2.821	5.319	48.549	.733			
15	1250.50	1246.00	44.82	3.023	135.47	8.766	3.210	5.556	54.584	.757			
16	1246.00	1241.50	53.46	3.069	164.05	9.291	3.506	5.785	57.939	.765			
17	1241.50	1237.00	72.36	3.102	224.48	9.326	3.492	5.834	56.690	.794			
18	1237.00	1232.50	81.00	3.126	253.21	9.638	3.549	6.089	56.632	.783			
19	1232.50	1228.00	97.74	3.141	307.02	9.143	3.285	5.858	53.253	.739			
20	1228.00	1223.50	119.88	3.179	381.05	9.023	3.253	5.769	52.796	.733			
21	1223.50	1219.00	123.66	3.222	398.38	9.314	3.392	5.922	54.915	.763			
22	1219.00	1214.50	115.02	3.220	370.32	9.627	3.397	6.230	55.856	.777			
23	1214.50	1210.00	116.64	3.182	371.13	9.359	3.268	6.091	54.218	.773			
24	1210.00	1205.50	125.28	3.158	395.67	8.908	3.141	5.768	51.707	.774			
25	1205.50	1201.00	127.44	3.179	405.14	9.056	3.277	5.779	53.117	.772			
26	1201.00	1196.50	129.60	3.250	421.18	9.760	3.596	6.163	57.992	.840			
27	1196.50	1192.00	126.90	3.336	423.33	10.189	3.769	6.420	61.928	.884			
28	1192.00	1187.50	129.06	3.329	429.69	9.783	3.583	6.200	59.986	.802			
29	1187.50	1183.00	125.82	3.258	409.90	9.196	3.361	5.834	57.306	.718			
30	1183.00	1178.50	140.94	3.232	455.48	9.053	3.363	5.690	56.809	.728			
31	1178.50	1174.00	153.36	3.273	501.96	9.263	3.472	5.791	58.337	.745			
32	1174.00	1169.50	153.90	3.328	512.21	9.512	3.577	5.935	59.857	.801			
33	1169.50	1165.00	154.44	3.375	521.17	9.942	3.752	6.190	62.324	.808			
34	1165.00	1160.50	157.14	3.389	532.52	10.135	3.830	6.305	62.919	.829			
35	1160.50	1156.00	158.76	3.394	538.79	10.395	3.876	6.518	64.612	.939			
36	1156.00	1151.50	156.60	3.444	539.27	10.900	4.025	6.876	68.026	.990			
37	1151.50	1147.00	156.06	3.512	548.02	11.244	4.234	7.010	70.837	1.023			
38	1147.00	1142.50	151.74	3.545	537.98	11.164	4.269	6.896	71.116	1.040			
39	1142.50	1138.00	143.10	3.567	510.40	11.123	4.264	6.859	70.714	1.064			
40	1138.00	1133.50	133.38	3.603	480.58	11.509	4.434	7.075	73.090	1.089			
41	1133.50	1129.00	123.12	3.602	443.48	11.764	4.482	7.282	73.848	1.091			

42	1129.00	1124.50	121.50	3.571	433.92	11.576	4.376	7.200	71.914	1.118
43	1124.50	1120.00	139.32	3.523	490.76	11.063	4.162	6.901	68.465	1.073
44	1120.00	1115.50	150.12	3.453	518.40	10.609	3.940	6.669	65.149	1.036
45	1115.50	1111.00	149.04	3.451	514.27	10.986	4.052	6.934	67.945	1.055
46	1111.00	1106.50	152.28	3.502	533.28	11.419	4.201	7.218	71.170	1.076
47	1106.50	1102.00	143.64	3.551	510.03	12.162	4.421	7.741	75.590	1.151
48	1102.00	1097.50	136.62	3.522	481.21	11.799	4.303	7.496	74.453	1.155
49	1097.50	1093.00	131.22	3.500	459.25	11.081	4.139	6.942	71.602	1.072
50	1093.00	1088.50	129.60	3.509	454.76	10.827	4.123	6.704	71.373	1.042

---

TOTAL FOR ALL BENCHES			4677.48	3.370	15765.30	10.339	3.837	6.503	63.961	.923
-----------------------	--	--	---------	-------	----------	--------	-------	-------	--------	------

---