Relinquishment Report

Gjerpen & Gjerpen 2-5

(2395-1/2011,1268-1/2012,1269-1/2012,
1270-1/2012 & 1271-1/2012)

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Abstract

Tertiary Minerals plc was granted the Gjerpen claims in 2012. The claims cover 42 km² within the municipality of Skien, Telemark County and are located near the city of Skien. They are accessed via sealed roads and forest tracks which pass through the claims.

Fluorite mineralisation is hosted within fracture zones in the Precambrian granitic-gneiss basement rock, associated with a northwest striking, northeast dipping fault zone formed as part of the Oslo rift.

Historically, the area has been extensively drill tested but due to issues with core recovery and a narrow suite of analytical elements, Tertiary Minerals believed further evaluation of the occurrence was warranted.

Resassaying of selected drill core confirmed historical results and further evaluation of historical data suggested the deposit had little commercial potential.

No further work was recommended and the project was relinquished.

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Relinquishment Report : Gjerpen & Gjerpen 2-5

1. Introduction

Tertiary Minerals plc ("Tertiary") was granted the Gjerpen claim (2395-1/2011) on 22nd February 2012 and the claims Gjerpen 2-5 (1268-1/2012, 1269-1/2012, 1270-1/2012 & 1271-1/2012) on 15th July 2012. As the claims were contiguous, work conducted is reported together as one project.

The claims were made after a review of historical reports by a former prospecting division of Sydvaranger A/S, "ASPRO", which intersected several moderate grade fluorspar veins.

2. Location and Access

The claims covered 42 km² within the municipality of Skien, Telemark County (See Figure 1). They are located on the northwest outskirts of the city of Skien and are accessed via sealed roads and forest tracks which pass through the claims. The major landowner is the Løvenskiold family.

3. Local Geology and Mineralisation

The project area hosts mineralisation within fracture zones in the Precambrian granitic-gneiss basement rock, associated with a northwest striking, northeast dipping fault zone formed as part of the Oslo rift. The mineralisation is believed to be of Permian age and emplaced during the Oslo rift event where basaltic dykes and plutons within the area have intruded the meta-sedimentary units of the Oslo field situated to the east.

The Gjerpen valley follows this fault zone, where the river Sandåa cuts the basal quartzites and alum shale which form steep cliffs exposing quartz-fluorite veins, and often associated sulphide mineralisation.

4. Historical Exploration

Historical reports maintained by the Direktoratet for mineralforvaltning showed that the claim area was explored by ASPRO between the years 1972-1976. Initial field work and a review of existing data, such as aerial photography and geophysical surveys, took place in 1972 to help define targets for an upcoming drill programme.

The claim area was divided into several zones based on observed mineralisation patterns and drilled between 1973-1976. In total, 79 diamond holes were drilled for a length of 6,664 m. Core is currently stored at the NGU core storage unit at Løkken. Although 6,664 m were drilled, 2,162 m of core remains as only mineralised intervals and zones of representative lithology were preserved. Most of the remaining mineralised core is half or quarter core.

In 1974, a non-code compliant resource estimate of 534,000 tonnes at 29% CaF_2 was calculated. No later reports were available to Tertiary.

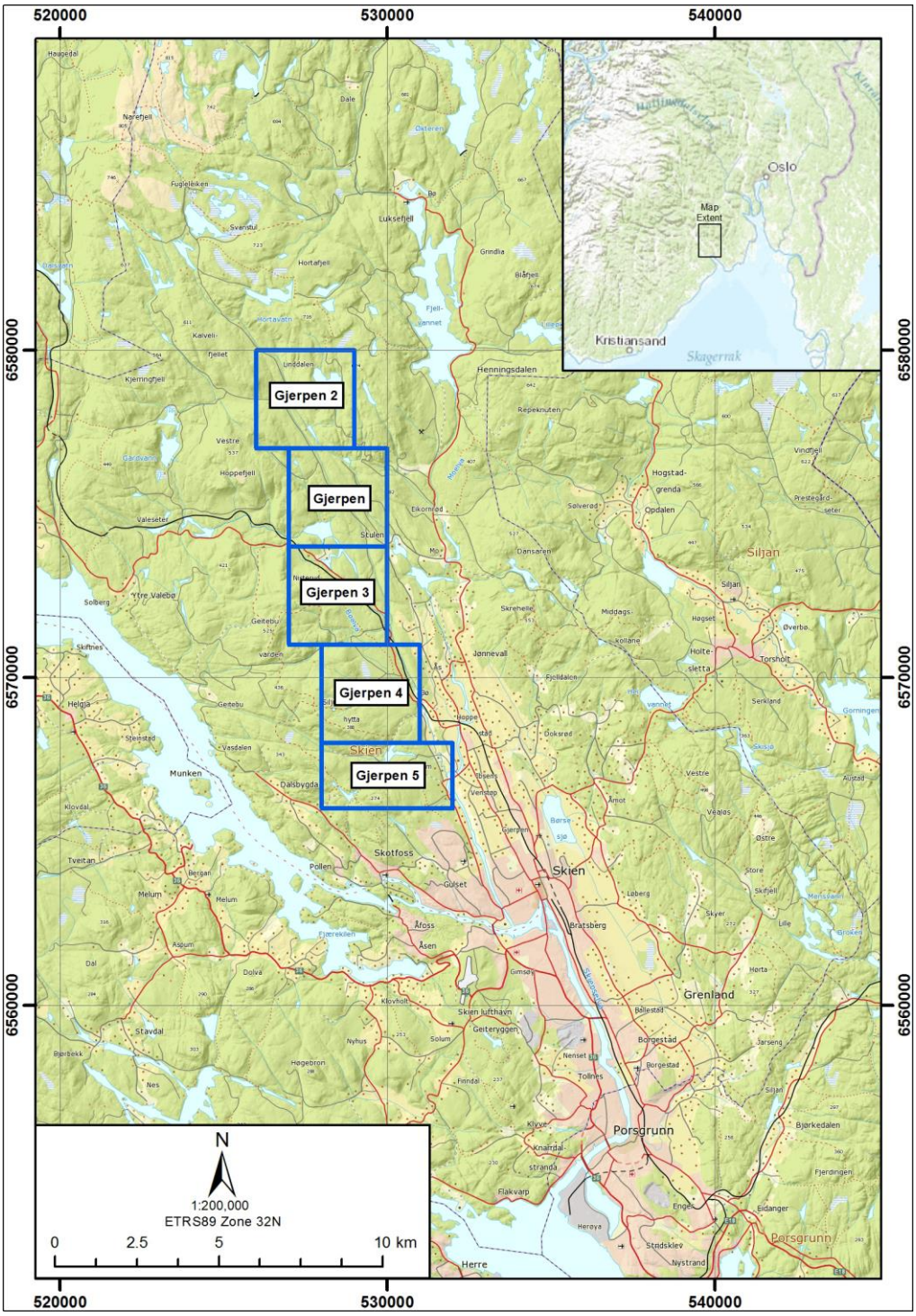

Figure 1 : Claim Location Plan

5. Tertiary Minerals Exploration

In 2012, Tertiary undertook a desktop review of the historical data and incorporated it within a modern geographical information system (ArcGIS 10).

Following desktop review, a field visit was conducted and the major landowners were engaged.

In 2012, Tertiary resampled 71.75 m of stored core, from the main mineralised intersections, to evaluate the accuracy of the historical assays and add additional elements, such as Au, to the analytical package. The selected ¼ core was subjected to whole rock analysis using pressed powder pellet XRF (175X), trace element analysis by Aqua Regia dissolution/ICP-OES (511P) and gold analysis by Pb-Fire assay/ICP-OES (705P), which were conducted by Labtium Oy (For results and Certificate of Analysis, see Appendix 1) .

6. Recommendation For Further Work

Through review of historical data and the resampling programme, historical assay results were confirmed however, due to considerable variation in CaF2 concentration, inconsistent vein width and, in areas, significant overburden depth, Tertiary believed the chances of economic extraction to be unlikely. No further work is recommended and the claims were surrendered.

Appendix 1 : Core Resampling Results

26.10.2012 7:33:02
Rovaniemi

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ANALYTICAL REPORT

ORDER ID 113969 REF:

PROJECT: RESP. AREA:
AREA:
MAP SHEET:
SAMPLE TYPE: SAMPLES: 44

METHOD CODE	SAMPLES	DETERMINATIONS
175X	45	1620
+ 511P	45	1485
+ 705P	42	42

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Laboratory Sample ID	Customer Sample ID	Sample Weight kg 32	Na2O % 175X	MgO % 175X	Al2O3 % 175X	SiO2 % 175X	P2O5 % 175X	K2O % 175X	CaO % 175X	TiO2 % 175X	MnO % 175X	Fe2O3 % 175X	S % 175X	Cl % 175X	Sc % 175X	V % 175X	Cr % 175X	Ni % 175X	Cu % 175X	Zn % 175X	Ga % 175X	As % 175X
L12133356	BH1 104.00-106.00	0.90	0.0910	0.1080	2.23	34.6	0.0210	0.394	44.2	0.042	<0.007747	0.84	0.212	<0.006	<0.002	<0.003	<0.002	<0.002	0.003	0.019	<0.002	<0.002
L12133357	BH1 106.00-108.00	0.88	0.1500	0.0970	4.22	50.7	0.0300	1.050	29.2	0.108	<0.007747	1.04	0.128	0.007	<0.002	<0.003	<0.002	<0.002	0.007	0.007	<0.002	<0.002
L12133358	BH1 116.00-118.00	0.86	1.1300	0.4860	11.30	68.0	0.0870	3.600	6.5	0.421	0.070	3.93	0.298	0.007	<0.002	<0.003	<0.002	<0.002	0.005	0.005	<0.002	<0.002
L12133359	BH1 118.00-120.00	0.78	1.4600	0.4100	11.40	68.0	0.0690	3.480	6.9	0.356	0.068	3.24	0.240	0.009	<0.002	<0.003	<0.002	<0.002	0.002	0.006	0.003	<0.002
L12133360	BH1 120.00-122.00	0.98	1.7300	0.4440	8.35	53.5	0.0580	2.890	18.3	0.274	0.115	2.68	0.186	0.008	<0.002	<0.003	<0.002	<0.002	0.005	0.005	<0.002	<0.002
L12133361	BH1 122.00-124.00	0.95	2.2000	0.3750	10.80	53.2	0.0690	4.960	14.9	0.310	0.226	3.23	0.474	<0.006	<0.002	0.003	<0.002	<0.002	<0.002	0.059	<0.002	<0.002
L12133362	BH1 124.00-125.00	0.50	0.3820	0.3060	7.94	47.2	0.0500	3.590	22.6	0.222	0.300	6.36	0.796	<0.006	<0.002	0.004	<0.002	<0.002	0.024	0.133	0.002	<0.002
L12133363	BH5 29.20-30.20	0.48	0.2860	0.2840	5.08	63.7	0.0350	1.760	17.5	0.168	0.020	2.65	0.049	0.009	<0.002	<0.003	<0.002	<0.002	0.007	0.008	<0.002	<0.002
L12133364	BH5 30.20-31.15	0.39	0.0630	<0.0199	0.44	26.2	0.0140	0.133	50.8	0.010	<0.007747	1.22	0.029	<0.006	0.003	<0.003	<0.002	<0.002	0.004	0.010	<0.002	<0.002
L12133365	BH5 31.15-32.00	0.37	1.2200	0.1720	6.90	62.2	0.0520	2.110	16.4	0.246	0.039	3.88	0.026	0.010	<0.002	<0.003	0.002	<0.002	0.012	0.010	<0.002	<0.002
L12133366	BH5 32.00-33.00	0.50	1.5800	0.2540	8.20	64.5	0.0560	2.310	13.2	0.275	0.037	3.91	0.057	0.015	<0.002	<0.003	<0.002	<0.002	0.025	0.017	<0.002	<0.002
L12133367	BH5 33.00-34.00	0.43	1.0100	0.5800	8.85	59.6	0.0640	2.980	15.2	0.321	0.022	3.10	0.647	0.010	<0.002	<0.003	<0.002	<0.002	0.018	0.020	<0.002	<0.002
L12133368	BH5 34.00-35.00	0.43	1.6200	0.5100	11.40	70.3	0.0860	3.610	5.0	0.408	0.047	4.37	0.480	0.015	<0.002	<0.003	<0.002	<0.002	0.015	0.016	0.002	<0.002
L12133369	BH5 35.00-36.00	0.48	1.1600	0.3990	8.56	63.4	0.0650	2.750	13.7	0.316	0.029	3.27	0.198	0.010	<0.002	<0.003	<0.002	<0.002	0.030	0.016	<0.002	<0.002
L12133370	BH5 60.80-62.00	0.55	1.0300	0.2630	7.83	62.4	0.0550	2.500	14.9	0.278	0.042	3.49	0.210	0.016	<0.002	<0.003	<0.002	<0.002	0.048	0.005	0.002	<0.002
L12133371	BH5 62.00-64.00	0.91	1.8800	0.4270	11.70	70.1	0.0830	3.900	4.3	0.424	0.044	3.67	0.174	0.019	<0.002	<0.003	0.002	<0.002	0.053	0.004	0.002	<0.002
L12133372	BH5 64.00-66.15	0.89	1.9600	0.5900	13.20	69.4	0.1000	3.720	2.0	0.490	0.035	4.67	0.191	0.010	<0.002	<0.003	<0.002	<0.002	0.020	0.005	0.003	<0.002
L12133373	BH5 66.15-66.25	-	0.0480	0.1000	2.62	39.9	<0.01375	0.029	40.0	<0.005005	<0.007747	1.06	0.058	<0.006	0.003	<0.003	0.006	<0.002	0.010	0.002	<0.002	<0.002
L12133374	BH5 82.40-85.30	1.25	<0.0337	0.0500	1.69	33.0	<0.01375	0.028	45.9	<0.005005	<0.007747	0.60	0.138	0.007	<0.002	<0.003	<0.002	<0.002	0.011	0.126	<0.002	<0.002
L12133375	BH5 85.30-87.50	1.11	3.0500	0.4720	11.80	72.3	0.0870	3.460	3.1	0.428	0.044	3.98	0.457	0.018	<0.002	<0.003	<0.002	<0.002	0.005	0.006	0.002	<0.002
L12133376	BH5 87.50-88.00	-	1.0900	0.3570	9.67	63.6	0.0760	3.040	10.7	0.350	0.030	4.27	0.595	0.012	<0.002	<0.003	<0.002	<0.002	0.006	0.006	0.003	<0.002
L12133377	BH5 88.00-90.80	1.25	2.4600	0.3960	11.90	70.7	0.0870	3.870	4.0	0.446	0.036	3.75	0.270	0.015	<0.002	<0.003	<0.002	<0.002	0.031	0.011	0.003	<0.002
L12133378	BH5 90.80-91.00	-	0.0880	0.0390	1.53	13.8	0.0140	0.479	59.8	0.031	<0.007747	0.46	0.040	<0.006	<0.002	<0.003	<0.002	<0.002	0.010	<0.002	<0.002	<0.002
L12133379	BH5 91.00-94.50	1.75	2.3000	0.3290	10.90	71.5	0.0850	3.560	5.1	0.390	0.052	3.54	0.130	0.020	<0.002	<0.003	<0.002	<0.002	<0.002	0.005	0.003	<0.002
L12133379U	BH5 91.00-94.50		2.2900	0.3300	10.90	71.8	0.0840	3.580	5.1	0.384	0.053	3.57	0.130	0.016	<0.002	<0.003	<0.002	<0.002	0.002	0.004	0.002	<0.002
L12133380	BH5 94.50-95.80	1.05	2.7000	0.4660	11.30	59.7	0.0890	3.390	12.1	0.419	0.075	5.71	0.087	0.018	<0.002	<0.003	<0.002	<0.002	0.002	0.056	0.003	<0.002
L12133381	BH5 102.45-106.20	1.75	2.1200	0.3940	9.53	67.1	0.0650	3.220	9.5	0.317	0.064	3.12	0.228	0.032	<0.002	<0.003	<0.002	<0.002	0.010	0.007	<0.002	<0.002
L12133382	BH5 106.20-109.55	1.61	3.0700	0.5300	10.70	65.7	0.0780	2.800	10.2	0.393	0.080	3.65	0.153	0.022	<0.002	<0.003	<0.002	<0.002	0.005	0.005	0.002	<0.002
L12133383	BH6B 80.40-82.00	0.60	<0.0337	0.8200	5.65	53.7	0.0680	2.110	17.8	0.270	0.173	5.93	1.594	<0.006	<0.002	0.004	0.003	<0.002	0.084	1.812	<0.002	0.013
L12133384	BH6B 82.00-84.00	0.82	1.1800	0.7800	9.18	56.4	0.0830	3.140	14.6	0.353	0.129	3.58	0.470	0.007	<0.002	<0.003	0.002	<0.002	0.007	0.027	0.002	<0.002
L12133385	BH6B 84.00-86.00	0.75	0.1880	0.1350	2.40	50.6	0.0200	0.434	24.1	0.089	0.147	10.20	0.218	<0.006	<0.002	<0.003	<0.002	<0.002	<0.002	0.066	<0.002	0.003
L12133386	BH27 92.30-94.00	0.63	0.2940	0.5500	4.24	50.7	0.0400	0.730	27.6	0.199	0.022	2.48	0.657	<0.006	<0.002	0.003	0.003	0.002	0.017	0.004	0.002	<0.002
L12133387	BH27 94.00-96.00	0.94	0.0370	0.0680	0.88	22.3	<0.01375	0.110	51.6	0.009	0.234	0.57	0.124	<0.006	0.003	<0.003	<0.002	<0.002	0.018	<0.002	<0.002	<0.002
L12133388	BH27 96.00-98.00	0.96	0.0350	0.0430	0.12	11.3	0.0140	0.012	59.7	<0.005005	0.225	0.47	0.180	<0.006	0.004	<0.003	<0.002	<0.002	0.017	0.002	<0.002	<0.002
L12133389	BH27 98.00-99.70	0.68	0.0550	0.0930	0.47	12.9	<0.01375	0.153	54.5	0.011	0.320	0.33	0.031	<0.006	0.003	<0.003	<0.002	<0.002	0.013	<0.002	<0.002	<0.002
L12133390	BH28 27.20-28.20	0.46	0.5600	1.3200	12.90	58.9	0.2350	4.960	4.7	0.770	0.069	7.61	2.854	<0.006	<0.002	0.022	0.006	0.008	0.021	0.255	<0.002	0.005
L12133391	BH28 28.20-30.00	0.69	0.3740	0.2780	4.38	61.0	0.0720	2.110	17.8	0.163	0.051	2.18	0.944	<0.006	<0.002	<0.003	<0.002	<0.002	0.029	0.244	<0.002	<0.002
L12133392	BH28 30.00-32.75	1.15	1.5000	1.8700	10.10	54.6	0.1170	2.730	14.2	0.700	0.160	7.20	0.588	0.032	<0.002	0.009	0.006	0.005	0.013	0.129	<0.002	0.002
L12133393	BH37 124.00-125.00	0.56	1.3400	0.6300	10.80	47.0	0.0860	2.140	19.5	0.408	0.327	10.70	0.201	<0.006	<0.002	0.004	<0.002	<0.002	0.005	0.006	0.002	<0.002
L12133394	BH37 125.00-126.00	0.63	0.9900	2.9200	7.84	28.7	0.2370	2.290	31.4	1.350	0.271	7.14	1.615	<0.006	<0.002	0.013	<0.002	0.004	0.016	0.017	0.002	<0.002
L12133395	BH37 126.00-127.00	0.50	0.0680	0.5600	9.69	34.3	0.0620	1.130	28.9	0.312	0.429	12.80	0.079	<0.006	<0.002	0.004	<0.002	<0.002	0.003	0.006	0.002	<0.002
L12133396	BH51 13.00-14.00	0.45	3.4200	0.1360	8.81	40.5	<0.01375	1.790	30.6	0.005	0.010	1.99	0.120	0.015	<0.002	<0.003	<0.002	<0.002	0.006	0.003	<0.002	<0.002
L12133397	BH51 14.00-15.05	0.48	3.6800	0.4640	13.20	67.8	0.1020	4.070	4.5	0.466	0.048	3.55	0.116	0.010	<0.002	<0.003	0.002	<0.002	0.004	0.006	0.002	<0.002
L12133398	BH54 43.70-45.00	0.67	0.7300	0.7100	2.08	21.9	0.0180	0.492	48.3	0.079	0.171	0.96	0.075	0.009	0.002	<0.003	0.003	0.002	0.007	0.146	<0.002	<0.002
L12133399	BH54 45.00-46.10	0.50	<0.0337	2.3100	0.29	10.6	<0.01375	0.042	54.7	<0.005005	0.287	0.72	0.075	<0.006	<0.002	<0.003	<0.002	<0.002	0.004	0.147	<0.002	<0.002

Laboratory Sample ID	Customer Sample ID	Rb % 175X	Sr % 175X	Y % 175X	Zr % 175X	Nb % 175X	Mo % 175X	Sn % 175X	Sb % 175X	Ba % 175X	La % 175X	Ce % 175X	Pb % 175X	Bi % 175X	Th % 175X	U % 175X	F % 175X	Ag mg/kg + 511P	Al mg/kg + 511P	As mg/kg + 511P	B mg/kg + 511P	Be mg/kg + 511P	Ba mg/kg + 511P	Ca mg/kg + 511P	Cd mg/kg + 511P
L12133356	BH1 104.00-106.00	0.004	0.020	0.023	0.008	<0.0007	0.034	<0.002	<0.01	0.008	<0.003	0.005	<0.002	<0.003	0.001	<0.001	27.7	<1	11400	<10	232	0.7	2210	188000	<1
L12133357	BH1 106.00-108.00	0.005	0.030	0.018	0.016	<0.0007	0.001	0.002	<0.01	0.022	0.003	0.011	<0.002	<0.003	<0.001	<0.001	20.5	<1	19200	<10	112	0.7	1280	159000	<1
L12133358	BH1 116.00-118.00	0.017	0.009	0.011	0.061	0.0020	<0.001	0.002	<0.01	0.050	0.007	0.016	0.004	<0.003	0.002	<0.001	1.8	<1	20000	<10	<5	2.9	33	40800	<1
L12133359	BH1 118.00-120.00	0.017	0.008	0.009	0.051	0.0025	<0.001	<0.002	<0.01	0.042	0.004	0.010	0.004	<0.003	0.002	<0.001	1.1	<1	16200	<10	<5	3.2	28	42500	<1
L12133360	BH1 120.00-122.00	0.014	0.011	0.010	0.041	0.0014	<0.001	0.003	<0.01	0.027	<0.003	0.010	0.003	<0.003	0.002	<0.001	4.6	<1	18300	<10	<5	2.8	164	122000	<1
L12133361	BH1 122.00-124.00	0.024	0.015	0.009	0.046	0.0020	0.001	0.003	<0.01	0.039	<0.003	0.007	0.100	0.003	0.003	<0.001	7.1	5	22400	<10	<5	3.9	255	100000	2
L12133362	BH1 124.00-125.00	0.018	0.027	0.016	0.035	<0.0007	0.008	0.002	<0.01	0.029	0.004	0.011	0.290	0.007	0.004	<0.001	10.8	15	25800	<10	15	5.3	330	152000	5
L12133363	BH5 29.20-30.20	0.009	0.005	0.009	0.024	<0.0007	<0.001	<0.002	<0.01	0.025	<0.003	0.007	<0.002	<0.003	0.001	<0.001	12.8	<1	23300	<10	52	1.3	768	119000	<1
L12133364	BH5 30.20-31.15	0.003	0.007	0.008	0.002	<0.0007	<0.001	<0.002	<0.01	<0.003	<0.003	<0.003	<0.002	<0.003	0.002	0.001	36.3	<1	6860	<10	641	1.5	5910	251000	<1
L12133365	BH5 31.15-32.00	0.008	0.006	0.009	0.036	<0.0007	<0.001	0.002	<0.01	0.030	<0.003	0.009	0.003	<0.003	0.002	<0.001	10.2	<1	31300	<10	24	1.3	346	112000	1
L12133366	BH5 32.00-33.00	0.009	0.006	0.011	0.039	0.0007	<0.001	<0.002	<0.01	0.033	0.003	0.012	0.004	<0.003	0.002	<0.001	7.3	<1	32500	<10	16	1.9	309	89500	<1
L12133367	BH5 33.00-34.00	0.012	0.005	0.012	0.045	0.0010	<0.001	<0.002	<0.01	0.041	0.004	0.013	<0.002	<0.003	0.002	<0.001	10.4	<1	38500	<10	14	2.4	407	104000	<1
L12133368	BH5 34.00-35.00	0.014	0.006	0.010	0.057	0.0016	<0.001	0.002	<0.01	0.050	0.005	0.013	0.003	<0.003	0.002	<0.001	1.9	<1	22300	10	7	2.3	96	31400	<1
L12133369	BH5 35.00-36.00	0.010	0.006	0.013	0.044	0.0012	<0.001	<0.002	<0.01	0.035	0.006	0.014	<0.002	<0.003	0.002	<0.001	9.0	<1	34400	<10	9	2.5	342	92300	<1
L12133370	BH5 60.80-62.00	0.011	0.007	0.016	0.039	<0.0007	<0.001	0.003	<0.01	0.036	0.005	0.016	0.002	<0.003	0.002	<0.001	9.0	<1	33600	11	10	1.7	351	102000	<1
L12133371	BH5 62.00-64.00	0.017	0.008	0.012	0.059	0.0021	<0.001	0.003	<0.01	0.055	0.008	0.018	0.003	<0.003	0.002	<0.001	1.0	<1	13900	11	<5	2.0	30	25700	<1
L12133372	BH5 64.00-66.15	0.015	0.008	0.013	0.069	0.0027	<0.001	0.002	<0.01	0.050	0.010	0.022	0.003	<0.003	0.003	<0.001	0.3	<1	14700	<10	<5	2.2	25	9790	<1
L12133373	BH5 66.15-66.25	0.002	0.005	0.023	<0.001	<0.0007	<0.001	0.003	<0.01	<0.003	<0.003	0.004	<0.002	<0.003	0.002	<0.001	27.8	<1	16000	<10	535	2.3	5050	253000	<1
L12133374	BH5 82.40-85.30	0.003	0.007	0.013	<0.001	<0.0007	0.022	0.002	<0.01	<0.003	<0.003	0.007	<0.002	<0.003	0.001	0.001	31.8	<1	10500	<10	363	<0.5	3370	179000	5
L12133375	BH5 85.30-87.50	0.014	0.010	0.012	0.060	0.0022	<0.001	<0.002	<0.01	0.046	0.004	0.018	0.003	<0.003	0.002	<0.001	0.1	<1	5490	10	<5	1.4	29	12500	<1
L12133376	BH5 87.50-88.00	0.012	0.010	0.010	0.049	0.0011	<0.001	<0.002	<0.01	0.040	0.005	0.014	<0.002	<0.003	0.001	<0.001	7.1	<1	41000	10	9	2.4	373	73000	<1
L12133377	BH5 88.00-90.80	0.016	0.009	0.011	0.061	0.0022	<0.001	0.003	<0.01	0.050	0.005	0.017	0.006	<0.003	0.002	0.001	1.2	<1	10700	<10	<5	1.6	32	22300	<1
L12133378	BH5 90.80-91.00	0.004	0.009	0.009	0.006	<0.0007	<0.001	<0.002	<0.01	0.006	<0.003	<0.003	<0.002	<0.003	<0.001	0.001	41.0	<1	10600	<10	425	<0.5	4070	228000	<1
L12133379	BH5 91.00-94.50	0.015	0.009	0.010	0.054	0.0033	<0.001	0.003	<0.01	0.052	<0.003	0.010	0.003	<0.003	0.002	<0.001	0.4	<1	6680	<10	<5	1.6	22	25700	<1
L12133379U	BH5 91.00-94.50	0.015	0.009	0.011	0.055	0.0028	<0.001	0.002	<0.01	0.052	<0.003	0.009	0.004	<0.003	0.002	<0.001	0.4	<1	6790	10	<5	1.6	21	26000	<1
L12133380	BH5 94.50-95.80	0.014	0.009	0.013	0.059	0.0020	<0.001	0.003	<0.01	0.044	0.007	0.016	0.003	<0.003	0.002	0.001	4.4	<1	18200	<10	<5	3.5	135	76700	2
L12133381	BH5 102.45-106.20	0.015	0.009	0.010	0.046	0.0021	<0.001	0.003	<0.01	0.042	0.006	0.017	0.002	<0.003	0.002	<0.001	3.2	<1	15600	<10	<5	3.2	147	62500	<1
L12133382	BH5 106.20-109.55	0.012	0.009	0.012	0.057	0.0017	<0.001	<0.002	<0.01	0.041	0.006	0.013	0.002	<0.003	0.002	<0.001	3.1	<1	14000	11	<5	2.9	112	62700	<1
L12133383	BH6B 80.40-82.00	0.014	0.013	0.006	0.019	<0.0007	<0.001	0.003	<0.01	0.008	<0.003	0.008	1.720	0.032	0.012	<0.001	6.8	78	21500	<10	<5	1.8	102	118000	58
L12133384	BH6B 82.00-84.00	0.017	0.010	0.010	0.036	0.0011	0.001	0.003	<0.01	0.023	<0.003	0.006	0.032	<0.003	0.002	<0.001	3.3	1	20100	<10	<5	2.9	99	98500	<1
L12133385	BH6B 84.00-86.00	0.003	0.003	0.008	0.013	<0.0007	<0.001	<0.002	<0.01	<0.003	<0.003	0.006	0.058	<0.003	0.001	<0.001	7.6	3	8470	<10	18	0.9	214	164000	2
L12133386	BH27 92.30-94.00	0.004	0.007	0.014	0.010	<0.0007	0.001	<0.002	<0.01	0.014	0.025	0.049	<0.002	<0.003	0.001	<0.001	18.8	<1	19600	26	134	1.2	1310	167000	<1
L12133387	BH27 94.00-96.00	0.003	0.009	0.024	0.002	<0.0007	0.011	0.003	<0.01	<0.003	0.015	0.031	<0.002	<0.003	0.001	0.001	24.8	<1	5910	16	286	0.9	2730	231000	<1
L12133388	BH27 96.00-98.00	0.001	0.010	0.022	<0.001	<0.0007	0.017	<0.002	<0.01	<0.003	0.003	0.007	<0.002	<0.003	0.001	0.001	31.2	<1	3410	18	370	1.0	3790	258000	<1
L12133389	BH27 98.00-99.70	0.002	0.014	0.016	0.003	<0.0007	<0.001	0.002	<0.01	<0.003	<0.003	0.007	<0.002	<0.003	<0.001	<0.001	17.4	<1	4170	<10	258	0.9	2470	295000	<1
L12133390	BH28 27.20-28.20	0.028	0.033	0.005	0.014	<0.0007	0.009	<0.002	<0.01	0.371	<0.003	0.006	0.059	<0.003	0.001	0.001	0.1	3	24800	61	6	2.7	402	30700	7
L12133391	BH28 28.20-30.00	0.011	0.010	0.010	0.020	<0.0007	0.006	<0.002	<0.01	0.027	<0.003	0.005	0.343	0.008	0.003	<0.001	9.0	18	16500	<10	14	2.1	335	122000	8
L12133392	BH28 30.00-32.75	0.014	0.014	0.011	0.030	<0.0007	<0.001	0.002	<0.01	0.060	<0.003	0.010	0.131	0.003	0.002	<0.001	2.7	7	17500	<10	<5	1.9	251	86000	4
L12133393	BH37 124.00-125.00	0.011	0.007	0.013	0.054	<0.0007	<0.001	0.003	<0.01	0.020	<0.003	0.018	<0.002	<0.003	0.002	0.001	0.7	<1	16600	<10	<5	1.4	22	92200	<1
L12133394	BH37 125.00-126.00	0.014	0.019	0.008	0.010	<0.0007	<0.001	<0.002	<0.01	0.033	<0.003	0.006	<0.002	<0.003	<0.001	<0.001	16.5	<1	27700	<10	5	8.1	270	188000	<1
L12133395	BH37 126.00-127.00	0.006	0.006	0.019	0.026	<0.0007	<0.001	0.004	<0.01	0.006	0.010	0.021	<0.002	<0.003	0.002	0.001	2.2	<1	22900	<10	<5	2.2	13	143000	<1
L12133396	BH51 13.00-14.00	0.011	0.003	0.014	0.002	<0.0007	<0.001	<0.002	<0.01	0.005	<0.003	0.004	<0.002	<0.003	0.001	0.001	21.5	<1	35700	<10	21	7.0	246	206000	<1
L12133397	BH51 14.00-15.05	0.019	0.006	0.014	0.058	0.0024	<0.001	0.002	<0.01	0.057	0.006	0.017	0.003	<0.003	0.003	<0.001	2.4	<1	21600	<10	<5	2.9	189	29200	<1
L12133398	BH54 43.70-45.00	0.005	0.008	0.014	0.011	<0.0007	<0.001	<0.002	<0.01	0.008	<0.003	0.003	<0.002	<0.003	0.002	0.001	14.5	<1	6860	<10	23	2.3	193	289000	4
L12133399	BH54 45.00-46.10	0.001	0.010	0.018	0.001	<0.0007	<0.001	0.002	<0.01	<0.003	<0.003	0.006	<0.002	<0.003	0.001	0.001	18.4	<1	3020	<10	227	4.4	2140	343000	4

Laboratory Sample ID	Customer Sample ID	Co mg/kg + 511P	Cr mg/kg + 511P	Cu mg/kg + 511P	Fe mg/kg + 511P	K mg/kg + 511P	La mg/kg + 511P	Li mg/kg + 511P	Mg mg/kg + 511P	Mn mg/kg + 511P	Mo mg/kg + 511P	Na mg/kg + 511P	Ni mg/kg + 511P	P mg/kg + 511P	Pb mg/kg + 511P	S mg/kg + 511P	Sb mg/kg + 511P	Sc mg/kg + 511P	Sr mg/kg + 511P	Ti mg/kg + 511P	V mg/kg + 511P	Y mg/kg + 511P
L12133356	BH1 104.00-106.00	1	8	31	6710	4530	13	4	1460	153	313	8490	<3	62	25	3030	<20	0.8	169	34	1	153.0
L12133357	BH1 106.00-108.00	<1	10	70	8480	9950	37	4	940	125	27	4840	<3	105	22	1400	<20	1.6	283	66	4	148.0
L12133358	BH1 116.00-118.00	3	14	41	26900	1380	61	8	2420	528	3	707	<3	322	23	3240	<20	4.6	55	731	8	88.3
L12133359	BH1 118.00-120.00	2	10	17	21200	996	31	6	2000	487	2	474	<3	273	33	2560	<20	4.2	51	701	7	74.3
L12133360	BH1 120.00-122.00	2	8	46	18800	11300	33	10	2230	908	7	3450	<3	218	34	2020	<20	4.2	95	983	8	77.8
L12133361	BH1 122.00-124.00	4	7	14	23300	23000	29	13	1910	1780	25	3890	<3	263	928	5450	<20	4.4	135	589	23	63.8
L12133362	BH1 124.00-125.00	4	7	259	44000	20300	26	10	1610	2260	79	1710	<3	203	2570	8450	<20	3.0	208	1160	35	147.0
L12133363	BH5 29.20-30.20	2	13	65	19500	16100	28	5	1600	241	4	3770	4	133	19	492	<20	1.8	42	171	4	74.6
L12133364	BH5 30.20-31.15	1	14	38	10400	3980	5	4	2650	110	12	24000	<3	<50	32	464	<20	<0.5	68	45	2	60.9
L12133365	BH5 31.15-32.00	3	14	126	28900	18600	30	2	897	371	7	7310	5	194	30	274	<20	3.1	56	565	6	86.9
L12133366	BH5 32.00-33.00	3	13	266	28400	17000	42	4	1380	353	7	7600	5	212	39	565	<20	3.5	52	721	7	92.6
L12133367	BH5 33.00-34.00	4	10	187	22800	23500	46	8	2980	229	6	5400	5	252	22	7140	<20	3.1	47	302	8	99.1
L12133368	BH5 34.00-35.00	4	11	159	29600	5700	45	5	2580	404	4	1560	5	317	22	5190	<20	4.1	24	587	8	79.4
L12133369	BH5 35.00-36.00	3	10	307	23400	19800	47	6	2090	304	4	5740	5	242	22	2100	<20	3.6	48	740	7	117.0
L12133370	BH5 60.80-62.00	4	10	515	25800	19600	61	5	1320	400	4	5600	4	206	28	2250	<20	3.5	52	830	6	146.0
L12133371	BH5 62.00-64.00	3	10	556	24300	994	61	6	2170	377	4	459	<3	314	21	1790	<20	4.6	28	1030	8	89.8
L12133372	BH5 64.00-66.15	4	9	212	30900	828	81	10	2700	299	12	400	<3	376	18	2070	<20	4.2	32	517	8	99.7
L12133373	BH5 66.15-66.25	1	62	99	7760	2240	12	5	2760	72	17	19300	7	<50	14	775	<20	0.8	58	34	2	212.0
L12133374	BH5 82.40-85.30	<1	9	130	5420	1620	22	2	1840	80	222	12800	<3	<50	11	1830	<20	0.9	45	22	2	87.6
L12133375	BH5 85.30-87.50	3	13	54	24900	1030	57	10	2030	314	7	536	3	333	24	4870	<20	4.1	18	1150	7	74.9
L12133376	BH5 87.50-88.00	6	14	70	30600	23400	55	9	1850	300	11	5910	5	280	22	6780	<20	4.6	87	438	9	97.4
L12133377	BH5 88.00-90.80	3	10	323	25200	1330	57	7	2000	291	4	652	<3	342	58	2980	<20	5.0	32	1280	8	87.8
L12133378	BH5 90.80-91.00	<1	21	111	3450	6180	8	3	2040	31	9	15400	<3	<50	13	583	<20	0.6	65	41	<1	52.0
L12133379	BH5 91.00-94.50	2	14	21	20900	706	22	3	1240	367	3	423	<3	302	25	1440	<20	3.3	25	871	6	73.7
L12133379U	BH5 91.00-94.50	2	10	21	21300	715	22	3	1260	371	3	423	<3	319	25	1430	<20	3.4	25	895	6	75.1
L12133380	BH5 94.50-95.80	2	10	24	38400	7430	52	7	2380	598	3	4290	<3	336	28	995	<20	5.6	46	1920	9	118.0
L12133381	BH5 102.45-106.20	3	13	106	23100	7750	54	4	2000	532	2	2750	<3	260	37	2380	<20	4.8	49	1350	7	85.2
L12133382	BH5 106.20-109.55	2	14	52	23400	6050	46	4	2470	576	2	3510	4	305	25	1700	<20	4.8	36	1970	8	99.8
L12133383	BH6B 80.40-82.00	28	18	836	38100	13600	31	15	4230	1330	15	694	15	261	14900	16300	<20	2.5	101	559	30	46.2
L12133384	BH6B 82.00-84.00	5	14	66	24700	7280	20	15	4040	1030	19	1750	12	326	250	5220	<20	3.8	69	557	20	78.3
L12133385	BH6B 84.00-86.00	3	8	19	70500	2900	25	3	699	1140	5	1380	<3	75	563	2280	<20	1.0	26	468	11	74.1
L12133386	BH27 92.30-94.00	4	26	174	18200	6880	221	8	3330	247	24	6530	9	159	14	7340	<20	4.2	53	752	24	131.0
L12133387	BH27 94.00-96.00	<1	7	183	4380	2080	137	3	1590	1820	122	10300	3	<50	13	1730	<20	1.4	82	31	2	170.0
L12133388	BH27 96.00-98.00	<1	6	164	3340	1700	20	2	1880	1760	166	14400	<3	<50	<10	2430	<20	<0.5	94	30	<1	137.0
L12133389	BH27 98.00-99.70	<1	5	129	2490	2530	26	3	1600	2410	20	9660	3	<50	14	441	<20	0.9	123	54	<1	131.0
L12133390	BH28 27.20-28.20	39	47	213	53400	5070	11	27	6280	610	96	720	76	927	527	31600	<20	7.8	170	1410	189	38.6
L12133391	BH28 28.20-30.00	12	13	277	16100	15200	19	8	1520	492	68	2170	14	269	3040	9990	<20	2.2	90	416	14	65.9
L12133392	BH28 30.00-32.75	15	43	136	45400	2680	31	12	9460	1220	25	1670	37	489	1190	6420	<20	11.4	69	2800	79	74.6
L12133393	BH37 124.00-125.00	9	5	61	59900	2020	56	11	2980	2030	3	712	<3	343	11	2210	<20	4.6	31	1610	31	95.2
L12133394	BH37 125.00-126.00	22	8	160	50700	12200	16	42	15100	2200	7	4180	25	984	21	19600	<20	7.8	158	7010	102	65.0
L12133395	BH37 126.00-127.00	8	5	28	68700	982	61	9	2680	2600	<2	157	<3	263	<10	805	<20	3.1	42	1420	31	145.0
L12133396	BH51 13.00-14.00	<1	8	50	14500	14600	6	3	822	154	2	19500	4	<50	23	1370	<20	1.1	28	30	2	127.0
L12133397	BH51 14.00-15.05	5	12	39	24800	12400	67	6	2410	425	4	6530	7	392	21	1300	<20	5.0	29	1840	10	100.0
L12133398	BH54 43.70-45.00	3	21	72	6180	3580	7	11	3740	1290	<2	3530	17	66	11	974	<20	1.4	73	429	2	120.0
L12133399	BH54 45.00-46.10	3	5	45	4900	1330	13	85	12700	2150	<2	8180	10	<50	10	940	<20	1.6	104	56	<1	171.0

Laboratory Sample ID	Customer Sample ID	Zn mg/kg + 511P	Au µg/kg + 705P
L12133356	BH1 104.00-106.00	188	8
L12133357	BH1 106.00-108.00	83	<5
L12133358	BH1 116.00-118.00	43	<5
L12133359	BH1 118.00-120.00	47	<5
L12133360	BH1 120.00-122.00	50	<5
L12133361	BH1 122.00-124.00	638	<5
L12133362	BH1 124.00-125.00	1430	<5
L12133363	BH5 29.20-30.20	80	<5
L12133364	BH5 30.20-31.15	96	<5
L12133365	BH5 31.15-32.00	107	<5
L12133366	BH5 32.00-33.00	179	<5
L12133367	BH5 33.00-34.00	217	<5
L12133368	BH5 34.00-35.00	175	<5
L12133369	BH5 35.00-36.00	171	<5
L12133370	BH5 60.80-62.00	57	12
L12133371	BH5 62.00-64.00	48	<5
L12133372	BH5 64.00-66.15	50	<5
L12133373	BH5 66.15-66.25	23	-
L12133374	BH5 82.40-85.30	1340	<5
L12133375	BH5 85.30-87.50	46	6
L12133376	BH5 87.50-88.00	62	-
L12133377	BH5 88.00-90.80	113	<5
L12133378	BH5 90.80-91.00	23	-
L12133379	BH5 91.00-94.50	41	<5
L12133379U	BH5 91.00-94.50	39	<5
L12133380	BH5 94.50-95.80	591	<5
L12133381	BH5 102.45-106.20	69	<5
L12133382	BH5 106.20-109.55	38	<5
L12133383	BH6B 80.40-82.00	17700	<5
L12133384	BH6B 82.00-84.00	268	<5
L12133385	BH6B 84.00-86.00	714	<5
L12133386	BH27 92.30-94.00	30	<5
L12133387	BH27 94.00-96.00	11	<5
L12133388	BH27 96.00-98.00	19	<5
L12133389	BH27 98.00-99.70	7	<5
L12133390	BH28 27.20-28.20	2730	5
L12133391	BH28 28.20-30.00	2550	<5
L12133392	BH28 30.00-32.75	1410	<5
L12133393	BH37 124.00-125.00	60	<5
L12133394	BH37 125.00-126.00	191	<5
L12133395	BH37 126.00-127.00	46	<5
L12133396	BH51 13.00-14.00	20	<5
L12133397	BH51 14.00-15.05	63	5
L12133398	BH54 43.70-45.00	1540	<5
L12133399	BH54 45.00-46.10	1500	<5