

**ASSESSMENT REPORT
GEOCHEMICAL**

on the claims:

ART (1-171) & ART (172-210)
(YE30811-YE30981) & (YE52102-YE52140)

MAYO MINING DISTRICT
N.T.S.: 106 B/6

Centred on:

Latitude: 64° 19' 17.2" N, Longitude: 131° 8' 50.2" W
(396 195mE, 7 134 588 mN – NAD 83 ZONE 9)

for:

Aben Resources Ltd.
Suite 2230 - 885 West Georgia Street
Vancouver, BC V6C 3E8

Telephone: (604) 687-3376
Toll Free: 1-800-567-8181
Fax: (604) 687-3119

Prepared by

Rick Zuran, BSc.
TerraLogic Exploration Services
Suite 200 – 44-12th Ave. South
Cranbrook B.C.
V1C 2R7

Telephone: 778-520-2000
Fax: 250-426-6899

April 22, 2012

Field Work Performed: June 12th, 15th, August 20th and August 22nd, 2011

Summary

The “Art Property” (Art 1-210) is situated at the east edge of the Yukon at the Yukon-Northwest Territory border ; approximately 245 kilometres east-northeast of the town of Mayo. The property consists of one contiguous group of 210 quartz claim units for a total area of 4227 hectares. A brief geochemical sampling program during the days: June 12th, 15th, August 20th and August 22nd, 2011 was completed at an expenditure of **\$47,342.70**. The work was part of a larger regional exploration program in the Mackenzie Mountains performed by TerraLogic Exploration Services for Aben Resources Ltd. operating out of the Willow Handle Lake base camp.

Historically, limited work has been conducted on the Art Property as defined by it’s current extents. Minfile occurrence number 106B 013, ‘Econ’ was worked for lead-zinc-silver in the 1970’s. In 2007, a staking rush regarding the Rau and Osiris carbonate hosted gold mineralization encouraged new exploration potential in the area.

The purpose of the 2011 exploration was to conduct a cursory soil and silt geochemistry program over the claim block targeting potential carbonate-hosted gold mineralization with a secondary focus towards lead-zinc silver mineralization potential.

A total of 128 samples were collected on the property: 46 stream sediments, 76 soils and 6 rocks.

Results for gold were weak but often associated with strongly anomalous base-metal results . Best gold in a rock chip sample (AHSRR187) over 1.00m returned 16 ppb Au, 140500 ppm Zn, 9500 ppm Pb and 29.43 ppm Hg from sheared fine grained, orange weathering limestone mineralized with semi-massive galena-sphalerite taken in a historic trench. Two other rock grabs of limestone mineralized with semi-massive sphalerite and galena returned between 10 and 20% Zn, greater than 1500 ppm Pb, and up to 32.79 ppm Hg. Numerous soils and silts were also strongly anomalous in zinc and lead with weak gold results. Some of the anomalies are associated with east-west structures; however, the extent is unclear at this point.

The sample density and coverage of the Art Property is very low and interpretation with conclusive comments would be premature at this point. More work is warranted and recommendations include: Airphoto interpretation of structure and geology for the property; property scale soil lines designed to cross east-west structures; and In fill stream sediment sampling – particular to the central and southwest part of the property.

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INTRODUCTION

The prime objective of the 2011 exploration program was to conduct cursory geochemistry on the claims and assess the results for gold and base-metal potential.

Location, Physiography and Access

The Art Property is situated at the east edge of the Yukon at the Yukon-Northwest Territory border centered on north latitude $64^{\circ} 19' 17.2''$ and west longitude $131^{\circ} 8' 50.2''$ W or 396 195mE and 7 134 588 mN – NAD 83 ZONE 9. The property is on N.T.S. mapsheet 106 B/6 and located approximately 245 kilometres east-northeast of Mayo, Yukon or 230 kilometres southwest of Norman Wells, N.W.T. Refer to Figure 1.

Relief ranges from 1660 metres above sea level in the valley bottom at the south end of the property; to 2500 metres in the northeast part of the property. The headwaters of the South Stewart River in the east portion of the property are characterized by steep south-facing cirque walls; the west part of the property is also dominated by steep alpine terrain.

Access is by helicopter only. During the 2011 field season the Art Property was accessed from the outfitter camp at Willow Handle Lake – 70 kilometers east-southeast of the claim block. A twin otter chartered from Norman Wells was the supply line to the basecamp at Willow Handle Lake. Other lakes that may act as a float base are Misty Lake, 18 kilometres southwest of the property; and possibly Bonnet Plume Lake, 38 kilometres due west of the property. The closest commercial fixed-wing and helicopter base is at Norman Wells, N.W.T.



Tenure Description

The Art Property consists of a contiguous group of 210 quartz claims in the Mayo Mining District with its eastern margin as portions of claims along the Yukon-N.W.T. border. The total area of the claim block is 4227 hectares and the claim boundaries have not been legally surveyed. Title to the claims is currently held 100% in the name '6092 N.W.T. Ltd.'; a wholly owned subsidiary of Aben Resources Ltd. Refer to Table 1 and Figure 2.

Table 1 – Tenure Summary

Claim Name	Grant Number	Owner	Recorded Date	Expiry Date
Art 1	YE30811	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 2	YE30812	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 3	YE30813	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 4	YE30814	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 5	YE30815	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 6	YE30816	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 7	YE30817	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 8	YE30818	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 9	YE30819	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 10	YE30820	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 11	YE30821	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 12	YE30822	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 13	YE30823	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 14	YE30824	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 15	YE30825	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 16	YE30826	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 17	YE30827	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 18	YE30828	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 19	YE30829	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 20	YE30830	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 21	YE30831	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 22	YE30832	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 23	YE30833	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 24	YE30834	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 25	YE30835	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 26	YE30836	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 27	YE30837	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 28	YE30838	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 29	YE30839	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 30	YE30840	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 31	YE30841	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12

Claim Name	Grant Number	Owner	Recorded Date	Expiry Date
Art 32	YE30842	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 33	YE30843	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 34	YE30844	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 35	YE30845	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 36	YE30846	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 37	YE30847	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 38	YE30848	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 39	YE30849	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 40	YE30850	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 41	YE30851	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 42	YE30852	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 43	YE30853	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 44	YE30854	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 45	YE30855	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 46	YE30856	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 47	YE30857	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 48	YE30858	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 49	YE30859	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 50	YE30860	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 51	YE30861	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 52	YE30862	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 53	YE30863	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 54	YE30864	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 55	YE30865	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 56	YE30866	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 57	YE30867	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 58	YE30868	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 59	YE30869	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 60	YE30870	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 61	YE30871	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 62	YE30872	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 63	YE30873	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 64	YE30874	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 65	YE30875	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 66	YE30876	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 67	YE30877	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 68	YE30878	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 69	YE30879	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 70	YE30880	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 71	YE30881	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12

Claim Name	Grant Number	Owner	Recorded Date	Expiry Date
Art 72	YE30882	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 73	YE30883	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 74	YE30884	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 75	YE30885	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 76	YE30886	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 77	YE30887	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 78	YE30888	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 79	YE30889	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 80	YE30890	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 81	YE30891	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 82	YE30892	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 83	YE30893	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 84	YE30894	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 85	YE30895	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 86	YE30896	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 87	YE30897	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 88	YE30898	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 89	YE30899	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 90	YE30900	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 91	YE30901	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 92	YE30902	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 93	YE30903	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 94	YE30904	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 95	YE30905	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 96	YE30906	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 97	YE30907	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 98	YE30908	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 99	YE30909	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 100	YE30910	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 101	YE30911	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 102	YE30912	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 103	YE30913	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 104	YE30914	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 105	YE30915	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 106	YE30916	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 107	YE30917	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 108	YE30918	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 109	YE30919	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 110	YE30920	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 111	YE30921	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12

Claim Name	Grant Number	Owner	Recorded Date	Expiry Date
Art 112	YE30922	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 113	YE30923	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 114	YE30924	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 115	YE30925	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 116	YE30926	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 117	YE30927	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 118	YE30928	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 119	YE30929	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 120	YE30930	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 121	YE30931	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 122	YE30932	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 123	YE30933	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 124	YE30934	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 125	YE30935	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 126	YE30936	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 127	YE30937	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 128	YE30938	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 129	YE30939	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 130	YE30940	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 131	YE30941	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 132	YE30942	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 133	YE30943	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 134	YE30944	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 135	YE30945	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 136	YE30946	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 137	YE30947	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 138	YE30948	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 139	YE30949	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 140	YE30950	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 141	YE30951	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 142	YE30952	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 143	YE30953	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 144	YE30954	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 145	YE30955	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 146	YE30956	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 147	YE30957	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 148	YE30958	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 149	YE30959	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 150	YE30960	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 151	YE30961	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12

Claim Name	Grant Number	Owner	Recorded Date	Expiry Date
Art 152	YE30962	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 153	YE30963	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 154	YE30964	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 155	YE30965	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 156	YE30966	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 157	YE30967	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 158	YE30968	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 159	YE30969	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 160	YE30970	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 161	YE30971	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 162	YE30972	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 163	YE30973	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 164	YE30974	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 165	YE30975	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 166	YE30976	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 167	YE30977	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 168	YE30978	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 169	YE30979	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 170	YE30980	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 171	YE30981	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 172	YE52102	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 173	YE52103	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 174	YE52104	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 175	YE52105	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 176	YE52106	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 177	YE52107	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 178	YE52108	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 179	YE52109	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 180	YE52110	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 181	YE52111	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 182	YE52112	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 183	YE52113	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 184	YE52114	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 185	YE52115	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 186	YE52116	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 187	YE52117	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 188	YE52118	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 189	YE52119	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 190	YE52120	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 191	YE52121	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12

Claim Name	Grant Number	Owner	Recorded Date	Expiry Date
Art 192	YE52122	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 193	YE52123	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 194	YE52124	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 195	YE52125	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 196	YE52126	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 197	YE52127	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 198	YE52128	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 199	YE52129	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 200	YE52130	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 201	YE52131	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 202	YE52132	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 203	YE52133	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 204	YE52134	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 205	YE52135	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 206	YE52136	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 207	YE52137	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 208	YE52138	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 209	YE52139	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12
Art 210	YE52140	Aben Resources Ltd./6092 N.W.T. Ltd - 100%	24-May-11	24-May-12

* prior to this report and acceptance of expenditures towards assessment.

History

There is little previous work done on the Art Property and only one government minfile on the property. The Art Property and surrounding area to this date, are very much un-explored. Some general history, most of which pertains to lead-zinc-silver reconnaissance exploration programs in the 1970's and government mapping projects are mentioned in the following paragraphs.

1966 – First documented general work by Geological Survey of Canada examines part of NTS 105 P map area during Operation Selwyn; the 250k map sheet to the SE of the 106 B.

1971 – S.L. Blusson of the Geological Survey of Canada publishes Map 1333A, and Paper 71-22, Sekwi Mountain Map-Area, Yukon Territory and District of Mackenzie, NWT.

1973, 1974 – In Noranda stakes the Econ claims over east-west striking veins of sphalerite-galena (+/-chalcopyrite) up to 12m wide and 300m long. Results as high as 36.80% Zn and 68.55% Pb were taken from trenches as grab samples. The 'Economy' minfile # 106 013 lies in the NW portion of the Art Property.

1974 – J.D. Aitken and D.G. Cook of the Geological Survey of Canada publishes 250k bedrock geology maps for 106A and 106B.

1974-1977 Welcome North Mines Limited organizes Arctic Red Joint Venture regional exploration program.

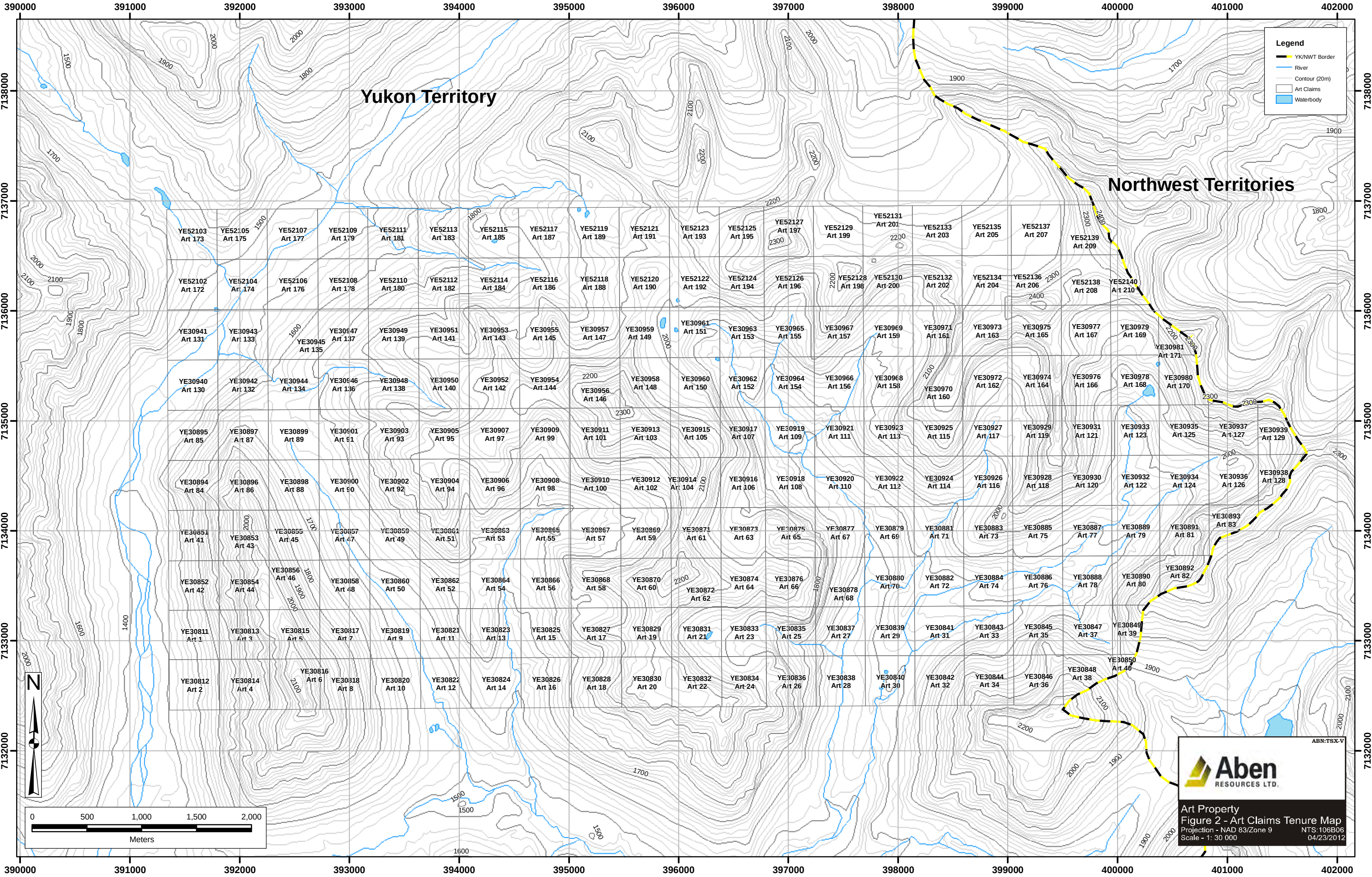
1982 – M.P. Cecile of the Geological Survey of Canada publishes Bulletin 335 on the lower Paleozoic Misty Creek Embayment.

1980-1983 Inco conducts regional exploration program in headwaters of Mackenzie Mountains.

2007, 2008 Eagle Plains Resources signs an exploration agreement with Teck Limited and conducts a regional Zn-Pb program over 44 NWT prospecting permits and 30 mineral claims – many permits are situated along the Yukon/NWT border.

2010 - The discovery of the reagent-grade associated gold occurrence at the Osiris, Yukon in 2010 by ATAC Resources Ltd. - 65 km southwest of the present-day Art Property spurs a large staking rush along an east-west trend towards the Yukon-NWT border.

2011 – Aben Resources Ltd. stakes the Art claims over prospective carbonate stratigraphy and structures hosting the Economy Zn-Pb mineralization as part of a large regional gold-base metal exploration program in the Mackenzie Mountains on the NWT side.



GEOLOGY

Regional Geology

The following description of the regional geology is quoted from the lastest updated (November 25th, 2011) work under project leader B. Fischer of the Geoscience Office, Northwest Territories.

The major tectonic elements referred to the discussion below are shown in Figure 2. The stratigraphy of the 106B area is summarized in Figure 3, which shows major tectonostratigraphic packages on the left and formation-level units on the right. The bedrock geology from currently published sources is shown in Figure 4, which also shows the area mapped in 2011.

The Lower Paleozoic basinal rocks in 106B were deposited in an embayment, known as the Misty Creek embayment, whose development initiated off the NE edge of the Selwyn basin in the Early or Middle Cambrian. The embayment continued to deepen as a result of recurrent incipient rifting throughout the Ordovician (Cecile, 1982). A submarine ridge known as the Niddery high delimited the southern end of the Misty Creek embayment and the northeastern edge of Selwyn basin proper (Cecile, 2000; Fig. 2).

Facies changes at all stratigraphic levels, from Middle Cambrian to late Early Devonian, mark the transition from basinal rocks of the Misty Creek embayment to carbonate rocks of the Mackenzie platform to the east, NE, and north of the embayment; and carbonate rocks of the Ogilvie arch to the NW of the embayment. The position and character of the slope transition changed with time, and is as-yet poorly understood (Cecile, 1982). Northeast-trending structures in the Mackenzie Mountains have been suggested to represent ancestral strike-slip faults, formed during the same Late Proterozoic or Early Cambrian rifting that led to passive margin development (Cecile et al., 1997), but the relationship of the NW-trending Misty Creek embayment to this earlier rifting is not known.

Carbonate rocks of the Mackenzie platform are exposed in the eastern and northeastern parts of 106B. These rocks include the Early Cambrian Sekwi Fm., which was deposited as a carbonate ramp and open shelf along the margins of the Selwyn basin before development of the Misty Creek embayment, and younger carbonate-dominated successions of Ordovician (Franklin Mountain Fm.), Silurian (Mount Kindle Fm.), and Devonian (numerous formations) age, ranging to as young as early Middle Devonian. Many of these host significant mineralization of the "carbonate-hosted Zn-Pb" type (MVT).

A major shift in tectonic regime in the middle of the Middle Devonian resulted in uplift of parts of the Selwyn basin west of 106B. These rocks and other sources to the NE, north, and west shed terrigenous clastic debris across the remaining parts of the Selwyn basin and the Mackenzie platform, terminating the development of the passive margin. The youngest strata of the new regime are shale and siltstone; NE of the Hess River these strata belong to the Canol Fm., and SW of the Hess River to the Misfortune Fm. (The Canol and Misfortune formations are mutually continuous and differentiated only on the basis of overlying strata; Cecile, 2000). Repeated turbidity flows created extensive sandstone fans on top of the fine-grained siliciclastic strata. Northeastern sources produced dominantly quartzitic, coarse-clastic strata (Imperial Fm.), while western sources produced coarse quartz-chert-lithic strata (Thor Hills Fm.). The dividing line between them is roughly along the Hess River; they have not been distinguished in the 106B area, where all such rock are mapped as Earn Group (Fig. 4).

Orogeny and consequent mountain-building began in the late Mesozoic. By the Late Cretaceous, the rocks of 106B had been thrust northeastward in a number of parallel belts, and folded tightly on NW-trending axes. They are largely unmetamorphosed.

Property Geology

Geological mapping by the Geological Survey of Canada was originally presented at 1:250,000 scale by J.D. Aitken and D.G. Cook in 1974. Later in 1999 and in 2003 the work was compiled digitally by S. Gordey and A.J. Makepeace.

The Art Property is overlain predominantly by Lower Cambrian Sekwi Formation; and 30% of the property shows Ordovician-Devonian Road River mapped in the western central portion and northeastern edge of the property.

The Lower Cambrian Sekwi Formation (ICS) consists primarily of resistant, orange and grey weathering limestone and dolostone; locally wavy bedded and nodular. The lesser abundant Road River Group (ODR) comprise undifferentiated grey and black graptolitic shales, orange siltstone, limestone and minor chert with sub-divisions that may include correlations with units from the Rabbitkettle Formation, Earn group; and in particular calcareous shales of the Duo Lake Formation.

2011 EXPLORATION PROGRAM

Introduction

The 2011 exploration program on the Art Property was part of a larger regional gold and base-metal program based out of a helicopter (A-Star) supported camp at Willow Handle Lake located at 459 763 mE, 7 108 660 mN (NAD 83, zone 9). The 15-20 man camp was supplied by float plane from Norman Wells located 195 kilometres to the northeast.

The exploration conducted on the Art Property was a cursory reconnaissance geochemical program to assess gold and base-metal potential in carbonate rocks of the Sekwi Formation. The work was completed by a crew of one to four over a four day period - June 12th, 15th, August 20th and August 22nd, 2011. The crew was flown by helicopter to the property from the Willow Handle base-camp. A total of 128 samples were collected on the property: 46 stream sediments, 76 soils and 6 rocks.

Geochemical Sample Procedure

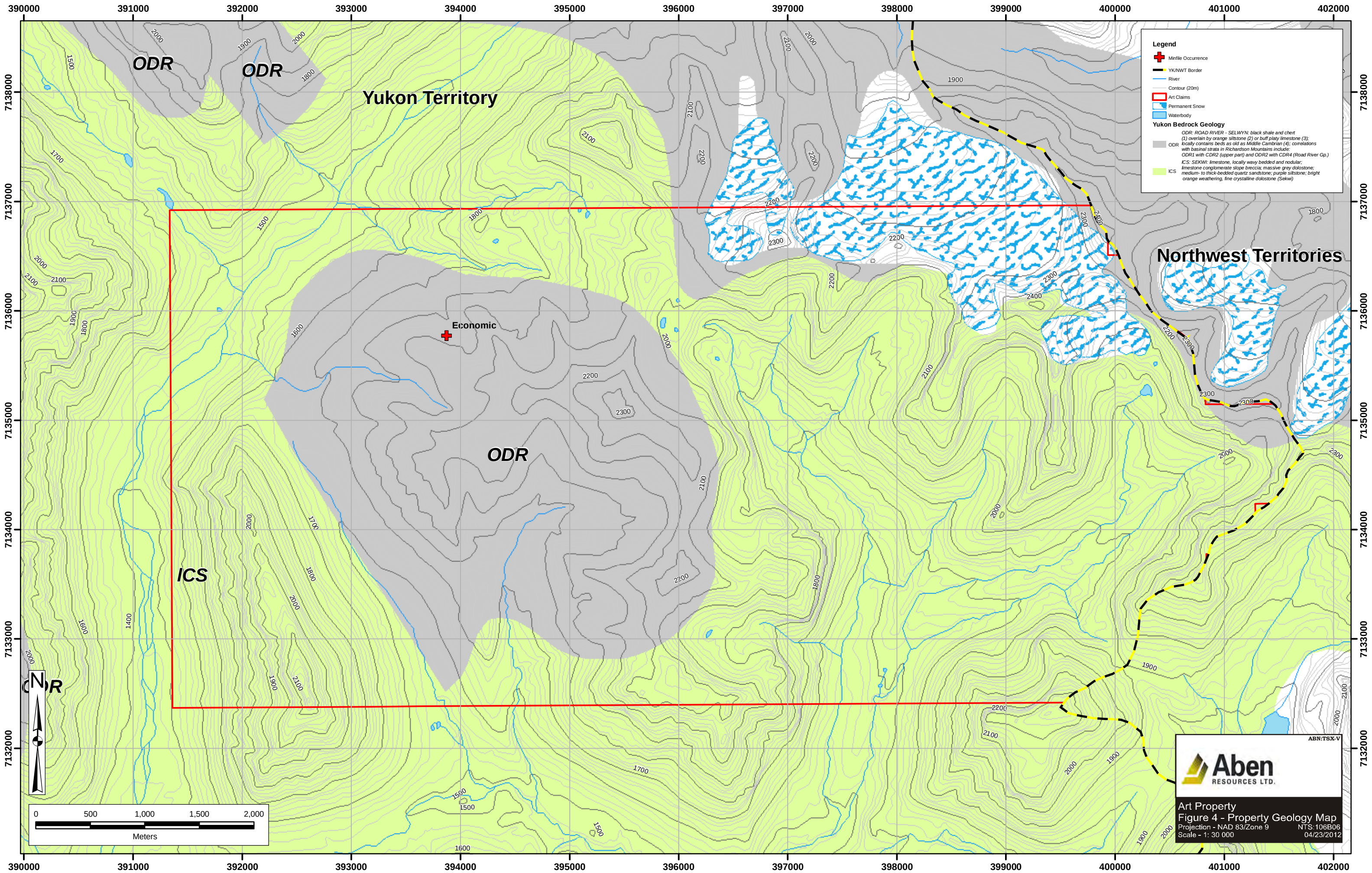
Refer to Appendix III for field sampling techniques, analytical techniques, database techniques and software used for all samples collected on the Art Property during the 2010 exploration program described in this report.

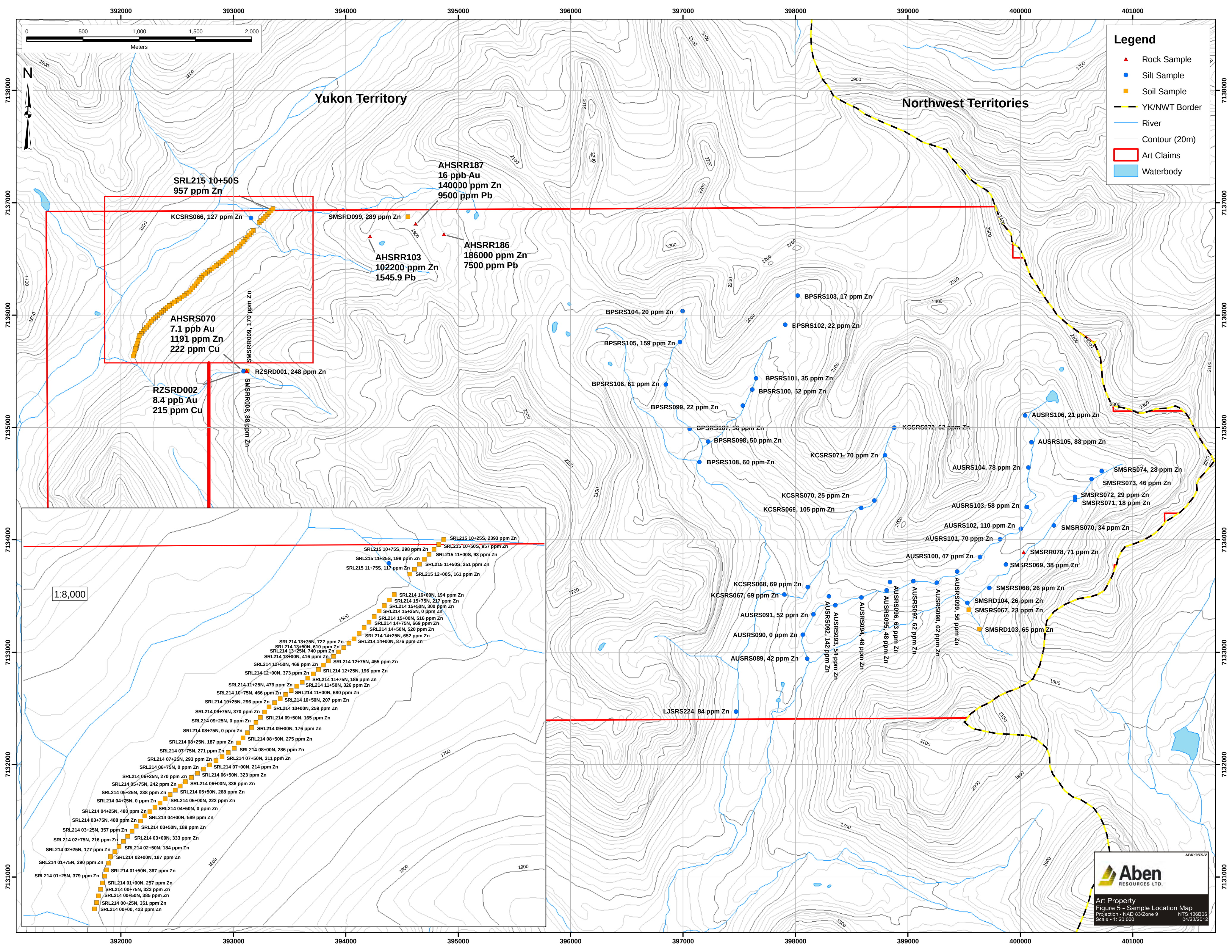
Geochemical Results

Results for gold were weak but often associated with strongly anomalous base-metal results. Best gold in a rock chip sample (AHSRR187) over 1.00m returned 16 ppb Au, 140500 ppm Zn, 9500 ppm Pb and 29.43 ppm Hg from sheared fine grained, orange weathering limestone mineralized with semi-massive galena-sphalerite taken in a historic trench. Best gold in a soil sample (RZSRD002) returned 8.4 ppb Au and 215 ppm Cu in the northwest portion of the property. Best gold in a stream sediment sample (AHSRS070) returned 7.1 ppb Au, 1191 ppm Zn and 222 ppm Cu in the northwest portion of the property.

Regarding base-metal results: a rock grab sample (AHSRR103) of fine grained grey limestone with 2% disseminated smithsonite and semi-massive galena-sphalerite on a knoll in the northwest part of the

property returned 102200 ppm Zn, 1545.9 ppm Pb, and 32.79 ppm Hg; another grab rock sample (AHSRR186) of a 5x6 metres pod of medium grained orange weathering limestone returned 186000 ppm Zn, 7500 ppm Pb and 3.28 ppm Hg. Best base-metal result in a soil occurs on the soil line at the north edge of the property in an east-west gully - (SRL215 10+50s) sample returned 957 ppm Zn. Best base-metal result in a stream sediment sample was (AHSRS070) returned 1191 ppm Zn-see above.





1:8,000

Aben
RESOURCES LTD.

Art Property
Figure 5 - Sample Location Map
Projection - NAD 83/Zone 9
Scale - 1:20,000
NTS: 106B06
04/23/2012

ABN: TSS-V

INTERPRETATION AND CONCLUSIONS

As a general comment: numerous east-west mineralized structures that were trenched historically in the mid 1970's were confirmed to host high grade results for lead-zinc-mercury and weak gold. These structures appear to be property scale and more geochem sampling is warranted to resolve their true size and extent.

RECOMMENDATIONS

The Art Property warrants more geochemical sampling to cover the claims more effectively and delineate any mineralized structures – particularly extensions to the east-west lead-zinc mineralized structures as described above. The following work is recommended:

- 1) Airphoto interpretation of structure and geology for the property
- 2) Property scale soil line designed to cross east-west structures
- 3) In fill stream sediment sample – particular to the central and southwest part of the property.

REFERENCES

- Aitken, J.D. and Cook, D.G., 1974c, Geological maps showing bedrock geology of the northern parts of Mount Eduni and Bonnet Plume Lake map areas, District of Mackenzie, N.W.T.; geological Survey of Canada, Open File 221, scale 1:125,000.
- Cecile, M.P., 1982. The lower Proterozoic Misty Creek Embayment, Selwyn Basin, Northwest Territories, Geological Survey of Canada, Bulletin 335.
- Cecile, M.P., Morrow D.W., and Williams, G.K., 1997. Early Paleozoic (Cambrian to Early Devonian) tectonic framework, Canadian Cordillera, Bulletin of Canadian Petroleum Geology, v45, p 54-74.
- Cecile, M.P., 2000, Geology of the northeastern Niddery Lake map area, east central Yukon and adjacent Northwest Territories; Geological Survey of Canada, Bulletin 553.
- Gordey, S.P. and Makepeace, A.J. (compilers), 2003. Yukon digital geology, version 2.0: Open File 2003-9(D), Yukon Geological Survey, Whitehorse, Canada, 1 disc.
- www.nwtgeoscience.ca/minerals/selwyn-mackenzie_shale_basins.html quoted regional geology.

Appendix I – Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, Rick J. Zuran, B.Sc., with an address of Box 10159, Whitehorse, Yukon, Y1A 7A1, Canada, do certify that:

1. I am a graduate of the University of British Columbia with a Bachelor Degree in Geological Sciences (1988).
2. I have been associated as an employee, contractor or consultant with the following companies or government departments:

Denison Mines Ltd.	Mt. Skukum Gold Mining Corp.
Anaconda Canada Expl. Ltd.	Total Energold Corp.
Selco Ltd.	North American Metals Corp.
BP Minerals Ltd.	Kennecott Canada Inc.
OBI Resources Ltd.	Aurum Geological Consultants Inc.
Anglo American	Yukon Territorial Government
Archer, Cathro & Associates (1981) Ltd.	Indian and Northern Affairs Canada
Kinross Gold	Brett Resources Inc.

3. I am a member of the Yukon Chamber of Mines.
4. I am an employee of TerraLogic Exploration Services Inc.
5. The work described in this report is based on field work conducted on the Art Claims during the days June 12th, 15th, August 20th and August 22nd, 2011.
6. I supervised the field work and am author of this report.

Dated at Cranbrook, British Columbia this 22nd day of April, 2012.

Respectfully submitted,



Rick J. Zuran, B.Sc.

Appendix II – Statement of Expenditures

Art YT Expenditures

Item	Comment	Days			Totals
Personnel /					
Position		Days	Rate	Subtotal	
Ben Pike, Geological Technician		1.0	375	375	
Andreas Unterberger, Geological Technician		1.0	375	375	
Dan Franck, Geological Technician		2.0	375	750	
Marcus Van Wermeskerken, Senior Geologist		1.0	690	690	
Rick Zuran, Project Geologist		1.0	800	800	
Sean Macdonald, Junior Geologist		3.0	425	1275	
Aaron Higgs, Senior Geologist		1.0	625	625	
Kithoshi Charleton, Geological Technician		2.0	375	750	
				\$5,640.00	\$5,640.00
Geochemical Surv	Number of Samples	No.	Rate	Subtotal	
Stream sediment		46.0	\$25.05	\$1,152.30	
Soil		76.0	\$25.05	\$1,903.80	
Rock		6.0	\$35.06	\$210.36	
				\$3,266.46	\$3,266.46
Transportation		No.	Rate	Subtotal	
Helicopter (hours)		4.70	\$1,590.00	\$7,473.00	
Fuel (litres/hour)		173.00	\$6.00	\$1,038.00	
				\$8,511.00	\$8,511.00
	Includes all costs for camp personnel, fuel and supplies, airfare, sampling costs, equipment rental costs, report preperation, project planning, etc...				
Shared Costs from entire program		No of person days	Rate per person day	Subtotal	
		14.00	2011.33	\$28,158.62	
				\$28,158.62	\$28,158.62
TerraLogic Exploration Handling and Adminstration Fees on Disbursements					
				\$1,766.62	\$1,766.62
TOTAL Expenditures					\$47,342.70

2011 Selwyn Recce Project Shared Costs

Exploration Work type	Comment	Days			Totals
Personnel (Name) / Position		Days	Rate	Subtotal	
Geoff Baldwin, Geologist	Between June 1st and Sept 5, 2010	0.5	475	\$237.50	
Jeannie Bavard / Cook's Assistant	Between June 1st and Sept 5, 2011	30.0	\$350.00	\$10,500.00	
Floyd Campbell / Camp Maintenance	Between June 1st and Sept 5, 2011	33.0	\$350.00	\$11,550.00	
Matthew Cothcilly / Camp Maintenance	Between June 1st and Sept 5, 2011	46.0	\$350.00	\$16,100.00	
Harry Harris Jr / Camp Maintenance	Between June 1st and Sept 5, 2011	6.5	\$350.00	\$2,275.00	
Tim Dertinger / Camp Construction	Between June 1st and Sept 5, 2011	17.0	\$375.00	\$5,925.00	
Glen Hendrickson / Logistics Manager	Between June 1st and Sept 5, 2011	100.5	\$525.00	\$52,762.50	
Aaron Higgs / Project Manager	Between June 1st and Sept 5, 2011	70.5	\$625.00	\$44,062.50	
Jason Kolcun / Data Manager	Between June 1st and Sept 5, 2011	77.7	\$425.00	\$33,022.50	
Lori Lennie / Cook's Assistant	Between June 1st and Sept 5, 2011	28.5	\$350.00	\$9,975.00	
Leanda Lockwood / Camp Cook	Between June 1st and Sept 5, 2011	82.0	\$550.00	\$45,100.00	
Rolf Soler / Camp Caretaker	Between June 1st and Sept 5, 2011	13.5	\$425.00	\$5,737.50	
Brad Robison / Camp Construction	Between June 1st and Sept 5, 2011	7.0	\$525.00	\$3,675.00	
				\$240,922.50	\$240,922.50

Office Studies		List Personnel			
		Jesse Campbell /President			
Project Management	TerraLogic	1.50	\$700.00	\$1,075.00	
Data/Analytical	Chris Gallagher / Chief				
Management	Geotechnologist	1.00	\$330.00	\$330.00	
Data/Analytical	Chris Gallagher / Chief				
Management	Geotechnologist	5.50	\$725.00	\$3,987.50	
	Glen Hendrickson / Logistics				
Project Planning - Pre Field	Manager	23.15	\$525.00	\$12,153.75	
	Glen Hendrickson / Logistics				
Proect Wrapup - Post Field	Manager	11.20	\$525.00	\$5,880.00	
Project Planning and	Aaron Higgs / Project				
Management - Pre Field	Manager	26.60	\$625.00	\$16,625.00	
Project wrapup, data					
analysis and report	Aaron Higgs / Project				
preperation	Manager	19.30	\$625.00	\$12,062.50	
Project Planning and	Lewis Jones / Junior				
Preparation - Pre Field	Geologist	14.00	\$425.00	\$5,950.00	
Sample Collecting for Au					
Analysis	Rob Jordan / Laborour	5.00	\$330.00	\$1,650.00	
Project Planning and	Jason Kolcun / Data				
Preparation - Pre Field	Manager	40.24	\$360.00	\$14,489.65	
Project wrapup, data					
compilation and report	Jason Kolcun / Data				
preperation	Manager	78.09	\$385.00	\$30,064.65	
	Brad Robison / Equipment				
Equipment Management	Manager	15.02	\$525.00	\$7,885.50	
Project Preperation and	Andreas Unterberger /				
wrapup	Geotechnician	1.50	\$330.00	\$495.00	
Project Preperation and	Nathan Taylor /				
wrapup	Geotehcnician	20.49	\$395.00	\$8,093.55	
Project Planning and	Rick Zuran / Project				
Preparation - Pre Field	Geologist	39.50	\$650.00	\$25,675.00	
Project wrapup, data					
analysis and report	Rick Zuran / Project				
preperation	Geologist	73.00	\$650.00	\$47,450.00	
				\$193,867.10	\$193,867.10
Contractors and Subcontractors					
	Trans Polar Geological -				
Geological	Planning			\$2,906.68	
				\$2,906.68	\$2,906.68
Wildlife and Environmental					
	Clarify	No.	Rate	Subtotal	
	Tulita Renewable Resource				
Monitoring	Council Montiors			\$26,642.31	
	Norman Wells Renewable				
Monitoring	Resource Council Montiors			\$10,500.00	
				\$37,142.31	\$37,142.31

Transportation	Description	No.	Rate	Subtotal	
Airfare	Pre-field (Planning)			\$13,084.07	
Airfare	Field - Travel			\$61,978.44	
	Northwright Airways Camp				
Airfare	Service and Transport			\$257,377.58	
	Alkan Air - Mob in and out				
Airfare	of camp and Fuel delivery			\$26,714.50	
Taxi	Field - Travel			\$438.15	
Fuel	Truck Travel Fuel			\$3,423.66	
Fuel	Northwright Airways Fuel			\$8,605.60	
Other	Parking, excess baggage			\$1,876.05	
				\$373,498.05	\$373,498.05
Accommodation, Food and Camp					
	Description				
Hotel	Pre-field (Planning)			\$3,052.58	
Hotel	Field - Travel			\$10,567.04	
Camp	Fuel (Propane, diesel, gas)			\$7,389.32	
Camp	Camp Rental			\$28,000.00	
Camp	Groceries			\$35,070.11	
Camp	Misc supplies			\$11,823.41	
Meals	Pre-field (Planning)			\$3,111.02	
Meals	Field - Travel			\$6,258.15	
				\$105,271.63	\$105,271.63
Geological and Geochemical					
Map Plotting				\$1,454.67	
Geological Supplies				\$3,281.73	
	sample bags, tags, flagging,				
Sampling Consumables	etc...			\$9,322.01	
				\$14,058.41	\$14,058.41

Equipment Rentals	All used for 3 months	Units	per month	
ATV		1	\$2,500.00	\$7,500.00
Barrel Pump		2	\$25.00	\$150.00
Chainsaw		1	\$150.00	\$450.00
Channel Rock Saw		1	\$350.00	\$1,050.00
Computer/Printer		5	\$220.00	\$4,268.00
Diesel Stove		6-7	\$350.00	\$7,000.00
Digital Camera		1-4	\$100.00	\$600.00
Dryer		1	\$400.00	\$1,200.00
	pack with gear, GPS, palm, etc...			
Field Gear (Specify)		10-13	\$600.00	\$19,800.00
Fieldhouse Accom		20	\$30.00	\$1,980.00
Fire Suppression Tank		4	\$110.00	\$1,320.00
Firearm		1-2	\$75.00	\$375.00
Field Fly Camp		1	\$5,250.00	\$6,772.50
Freezer		1	\$400.00	\$1,200.00
Fridge		2	\$400.00	\$2,400.00
Generators (2kW)		1-2	\$1,000.00	\$5,000.00
Generators (3-10kW)		2	\$1,350.00	\$8,100.00
Hot Water Tank		1	\$400.00	\$1,200.00
Incinerator		1	\$1,650.00	\$4,950.00
Internet/VOIP Box		2	\$1,100.00	\$6,600.00
LCD Monitor		2	\$45.00	\$135.00
Level III FA Kit		1	\$100.00	\$300.00
Microscope		1	\$100.00	\$109.00
Plotter		1	\$600.00	\$1,800.00
Radio with Charger		12-14	\$100.00	\$3,800.00
Satellite Phone With Charger		3-4	\$250.00	\$2,750.00
Spill Kits (Large)		2	\$266.00	\$1,596.00
Spill Kits (small)		4	\$110.00	\$1,320.00
Spot Locator		2-3	\$100.00	\$700.00
Sterescopes		1	\$100.00	\$233.00
Stove		1	\$400.00	\$1,200.00
Survival Kit		2-3	\$100.00	\$800.00
Trailers - 5 Ton		1	\$2,000.00	\$401.20
Trailers - Enclosed		1	\$2,000.00	\$521.20
Trailer - ATV Drum		1	\$350.00	\$980.00
Truck Rental With Insurance		1	\$700.00	\$6,850.00
Truck kilometers (\$0.3/km)		5967	\$0.30	\$1,857.60
UV Lamp		1	\$100.00	\$300.00
Wall Tent		5	\$600.00	\$9,000.00
Washer		1	\$400.00	\$1,200.00
Water Pump		1	\$600.00	\$1,800.00
Water Supply System		1	\$350.00	\$1,050.00

XRF - Innov-X	1	\$6,600.00	\$19,800.00	
			\$140,418.50	\$140,418.50
Equipment Costs				
Cell Phone and Sat phone air time			\$3,226.46	
Repair and Maintenance	satellite system, trucks, fire extinguishers		\$1,477.32	
			\$4,703.78	\$4,703.78
Freight and Expediting				
Canadian North Inc.			\$27,018.25	
Canadian Freightways			\$1,528.05	
Discovery Mining Services			\$33,443.93	
Small's Expediting			\$4,018.89	
Purolator			\$1,641.12	
Greyhound Courier			\$82.36	
Other			\$344.33	
			\$39,609.11	\$39,609.11
TerraLogic Exploration Handling and Adminstration Fees on disbursements				
			\$86,578.50	\$86,578.50
<i>TOTAL Expenditures</i>				\$1,238,976.57
Shared Cost =		\$1,238,976.57		
Total Days in the field	77			
Cost per day		\$16,090.60		
Cost per work/person/day		\$2,011.33		

APPENDIX III – Geochemical Protocol

3.1 – Field Sampling Techniques

3.2 – Analytical Techniques

3.3 – Database Techniques and Software Used

3.1 – Field Sampling Techniques

FIELD SAMPLING TECHNIQUES

All 2011 samples were collected by TerraLogic Exploration Inc. employees and its sub-contractors. The sampling process is standardized and continually monitored for quality assurance and quality control. Four types of samples were collected in the field, these include: rock, silt, soil and bult silt samples. All samples are described in a digital form on a Palm Pilot in the field at the time of collection and also have a GPS location recorded at the site. Sample data was also recorded in field books and locations plotted on field maps as a backup to the digital forms. Upon return to camp each day the digital forms are uploaded to a relational database where quality control is conducted to assure all pertinent attribute information has been recorded and the spatial coordinates of each sample is correct. Refer to *Database techniques* for a more in depth explanation of the treatment of sample information.

Rock Samples

Rock samples were collected on sampling, prospecting and mapping traverses where mineralization was noted. Transported rock materials were sampled as Float, Talus or Subcrop. Rock sample types were sampled accordingly depending on the perceived distance the rock had travelled from its source. Rocks were collected from outcrops as fist sized Grab samples, as Chip samples and as Channel samples. A Chip sample is a series of continuous and representative samples taken over a set direction and length with hammer and chisel. Channel samples were cut and chisled out over a set direction and length with a portable diamond bladed rock saw which provided excellent control on representiveness. In each case rock samples are recorded on the digital forms with a spatial location and a variety of attributes which include: map unit, major rock type, minor rock type, colour fresh, colour weathered, texture, grain size, mineralization major and mineralization minor. All samples were shipped in plastic 20L buckets with locking plastic straps with unique identification numbers to prevent tampering during the chain of custody.

Soil Samples

Samplers conducted soil sampling traverses over grid, directional and contour lines while single soil samples were collected only on occasion by geologists on mapping or prospecting traverses. Soil grids were laid out using compass bearings and hip chains. Sample spacing on grids was in some cases 10 m, but was predominantly 25 m. Sample lines were commonly spaced fifty or one hundred meters apart. Contour soil lines were conducted as follow-up samples to locate the source of anomalous silt geochemistry and/or to test geologic structures or prospective host units for mineralization potential. Soil samples were collected from pits dug with geo-tools to an average depth of 10-20 cm. Where possible the soil sample was collected from the B-Horizon of the soil profile. In many cases the soil horizons were thin and poorly developed.

Attribute data collected for each soil sample included: sample size, quality, depth, slope of sample site, soil horizon, colour and other notes. Sample size is rated from 1-5 with one being much too small sample size and five being the perfect sample size, filling roughly $\frac{3}{4}$ of the sample bag. Quality of the sample rated from 1-5 with one being very poor quality and five being excellent quality. Factors that include: sample size, soil development and quality(the lack of organics), and depth of sample all contribute to the overall quality attribute.

Silt Samples

Silt samples were collected at three major scales: regional sampling, detailed follow up sampling, and

intermediate sampling. On the regional scale, in targeted areas, every stream confluence on a NTS 1:250,000 map sheet was sampled. In this regional approach, a sample was collected 50 m up stream of the confluence on both the tributary and the major stream. Detailed silt sampling traverses were conducted as follow-up to anomalous individual silt samples from the regional silt surveys from years previous. The detailed traverses systematically sampled major streams every 200 m. Intermediate sampling was conducted throughout the 2008 work program. Samplers and geologists collected silt samples at any stream they crossed while on a soil line, prospecting or mapping traverse. Attribute data collected for each silt sample included: sample size, quality, depth, water velocity and tributary order. Samples size is rated on a scale of 1-5 with one being a very small sample and five being the perfect sample amount, filling roughly $\frac{3}{4}$ of the sample bag. Factors that include: sample size and silt quality (lack or pebbles or mud) contribute to the overall quality attribute.

Sample Handling and Shipping Procedure

At the end of each field day all samples were taken to the sample tent; soil and silt samples were arranged in order and hung to dry. Rock samples were also lined up in order of sampler and number. Samples with damaged bags or unclear labels were re-bagged and placed back into order.

Once the samples have sufficiently dried and are accounted for in the database, a shipment would be prepared. The data manager would provide a list of samples and one person would check the list against each sample to ensure all samples were in order. Any missing soil samples were accounted for with an empty bag marked with the sample number and "LS" for lost sample. Once recorded, the samples were placed in 20L buckets labelled with the shipment number, bucket number and addresses. Each shipping bucket was kept under 25 kg. The list of samples was compared to the database and any discrepancies investigated. Once the list of samples to be shipped matched the database's records, the buckets were sealed with a zip tie security seal. A digital shipping list was also prepared and sent to ACME Laboratories via email. The buckets were flown from camp to Norm Wells via North Wright Airways, transferred to Canadian North Cargo and flown to Yellowknife. The samples were held at Canadian North Cargo for pick-up by Discovery Mining Services who arrange ground transport to ACME Laboratories in Vancouver.

Discovery Mining Services notified the data manager via email when a shipment was received and provide a list of bucket numbers received. ACME Labs would notify the data manager via email when individual shipments were received by providing a list of bucket numbers received in a shipment. Later ACME would also confirm on a sample arrival on a sample by sample basis, once they were checked into ACME's chain of custody system. Results of this confirmation process would be cross-referenced with the sample database and any conflicts would be resolved prior to analysis by ACME.

3.2 – Analytical Techniques

All rock, silt and soil samples were sent to ACME Laboratories at 1020 Cordova St. East, Vancouver BC for the following analytical procedures:

Rock samples were analyzed by the following codes: 1DX1 (0.5 g Aqua Regia Digestion ICP-MS), G601 (30 g Au Fire Assay, 2X (Pressed Pellet XRF W Analysis) and 7TD1 (0.5 g 4 Acid Digestion ICP-ES single Element). All details for these codes are found in the pages below.

Soil and Silt samples were analyzed by the following codes: 1DX3 (30 g Aqua Regia Digestion ICP-MS) and 2X (Pressed Pellet XRF W Analysis) . All details for these codes are found in the pages below.

METHOD SPECIFICATIONS

GENERAL SAMPLE PREPARATION METHODS

Receiving: Samples arrive via courier, post or by client drop-off; shipment inspected for completeness.

Sorting and Inspection: Samples sorted and inspected for quality of use (quantity and condition). Pulp samples inspected for homogeneity and fineness.

SOILS

SS80, S230, SSXX Drying and Sieving: Wet or damp soil samples are dried at 60°C (Air dried or 40°C if specified by the client). Soil and sediment sieved to -80 mesh (SS80) or -230 mesh (S230), unless client specifies otherwise (SSXX). Sieves cleaned by brush and compressed air between samples.

SP100, SCP100 Pulverizing: Soils are pulverized to -100 mesh ASTM with an option of using a mild-steel pulverizer (SP100) or a ceramic pulverizer (SCP100), per 100g.

ROCKS AND DRILL CORE

R200-250, R200-500, R200-1000: Rock and Drill Core crushed to 80% passing 10 mesh (2 mm), homogenized, riffle split (250g, 500g, or 1000g subsample) and pulverized to 85% passing 200 mesh (75 microns). Crusher and pulverizer are cleaned by brush and compressed air between routine samples. Granite/Quartz wash scours equipment after high-grade samples, between changes in rock colour and at end of each file. Granite/Quartz is crushed and pulverized as first sample in sequence and carried through to analysis.

P200, PSCB: Samples requiring pulverizing only are dried at 60°C and pulverized to 85% passing 200 mesh (75 microns), using a mild-steel pulverizer (P200), per 250g or a ceramic pulverizer (PSCB), per 100g.

M150, M200s: Rock and Drill Core are crushed, pulverized and sieved, save +150 and -150 mesh fractions (M150) or +200 and -200 mesh fractions (M200) for metallic Au or Cu analysis. Typically 500g samples are sieved.

HPUL: Rock and Drill Core are pulverized by using a mortar and pestle.

VEGETATION

PM1: Plant material is dried then milled to 1mm

VA475: Up to 0.1 kg of wet vegetation is ashed by heating to 475°C.

WWSH: Plant samples are washed with Type-1 water then dried at 60°C prior to analysis, per 100g.

METHOD SPECIFICATIONS

GROUP 1D AND 1F – GEOCHEMICAL AQUA REGIA DIGESTION

Package Codes: 1D01 to 1D03, 1DX1 to 1DX3, 1F01 to 1F07
Sample Digestion: HNO₃-HCl acid digestion
Instrumentation Method: ICP-ES (1D), ICP-MS (1DX, 1F)
Applicability: Sediment, Soil, Non-mineralized Rock and Drill Core

Method Description:

Prepared sample is digested with a modified Aqua Regia solution of equal parts concentrated HCl, HNO₃ and DI H₂O for one hour in a heating block of hot water bath. Sample is made up to volume with dilute HCl. Sample splits of 0.5g, 15g or 30g can be analyzed.

Element	Group 1D Detection	Group 1DX Detection	Group 1F Detection	Upper Limit
Ag	0.3 ppm	0.1 ppm	2 ppb	100 ppm
Al*	0.01%	0.01%	0.01%	10%
As	2 ppm	0.5 ppm	0.1 ppm	10000 ppm
Au	2 ppm	0.5 ppb	0.2 ppb	100 ppm
B*^	20 ppm	20 ppm	20 ppm	2000 ppm
Ba*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Bi	3 ppm	0.1 ppm	0.02 ppm	2000 ppm
Ca*	0.01%	0.01%	0.01%	40%
Cd	0.5 ppm	0.1 ppm	0.01 ppm	2000 ppm
Co	1 ppm	0.1 ppm	0.1 ppm	2000 ppm
Cr*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Cu	1 ppm	0.1 ppm	0.01 ppm	10000 ppm
Fe*	0.01%	0.01%	0.01%	40%
Ga*	-	1 ppm	0.1 ppm	1000 ppm
Hg	1 ppm	0.01 ppm	5 ppb	50 ppm
K*	0.01%	0.01%	0.01%	10%
La*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Mg*	0.01%	0.01%	0.01%	30%
Mn*	2 ppm	1 ppm	1 ppm	10000 ppm
Mo	1 ppm	0.1 ppm	0.01 ppm	2000 ppm
Na*	0.01%	0.001%	0.001%	5%
Ni	1 ppm	0.1 ppm	0.1 ppm	10000 ppm
P*	0.001%	0.001%	0.001%	5%
Pb	3 ppm	0.1 ppm	0.01 ppm	10000 ppm
S	0.05%	0.05%	0.02%	10%

Element	Group 1D Detection	Group 1DX Detection	Group 1F Detection	Upper Limit
Sb	3 ppm	0.1 ppm	0.02 ppm	2000 ppm
Sc	-	0.1 ppm	0.1 ppm	100 ppm
Se	-	0.5 ppm	0.1 ppm	100 ppm
Sr*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Te	-	0.2 ppm	0.02 ppm	1000 ppm
Th*	2 ppm	0.1 ppm	0.1 ppm	2000 ppm
Ti*	0.01%	0.001%	0.001%	5%
Tl	5 ppm	0.1 ppm	0.02 ppm	1000 ppm
U*	8 ppm	0.1 ppm	0.05 ppm	2000 ppm
V*	1 ppm	2 ppm	2 ppm	10000 ppm
W*	2 ppm	0.1 ppm	0.05 ppm	100 ppm
Zn	1 ppm	1 ppm	0.1 ppm	10000 ppm
Be*	-	-	0.1 ppm	1000 ppm
Ce*	-	-	0.1 ppm	2000 ppm
Cs*	-	-	0.02 ppm	2000 ppm
Ge*	-	-	0.1 ppm	100 ppm
Hf*	-	-	0.02 ppm	1000 ppm
In	-	-	0.02 ppm	1000 ppm
Li*	-	-	0.1 ppm	2000 ppm
Nb*	-	-	0.02 ppm	2000 ppm
Rb*	-	-	0.1 ppm	2000 ppm
Re	-	-	1 ppb	1000 ppb
Sn*	-	-	0.1 ppm	100 ppm
Ta*	-	-	0.05 ppm	2000 ppm
Y*	-	-	0.01 ppm	2000 ppm
Zr*	-	-	0.1 ppm	2000 ppm
Pt*	-	-	2 ppb	100 ppm
Pd*	-	-	10 ppb	100 ppm
Pb ₂₀₄	-	-	0.01 ppm	10000 ppm
Pb ₂₀₆	-	-	0.01 ppm	10000 ppm
Pb ₂₀₇	-	-	0.01 ppm	10000 ppm
Pb ₂₀₈	-	-	0.01 ppm	10000 ppm

* Solubility of some elements will be limited by mineral species present.

^Detection limit = 1 ppm for 15g / 30g analysis.

Limitations:

Au solubility can be limited by refractory and graphitic samples.

METHOD SPECIFICATIONS

GROUP 7TD AND 7TX – ASSAY FOUR-ACID DIGESTION

Package Codes: 7TD1, 7TD2, 7TD3, 7TX1
Sample Digestion: HF-HNO₃-HClO₄ acid digestion
Instrumentation Method: ICP-ES (7TD, 7TX), ICP-MS (7TX)
Applicability: Rock and Drill Core

Method Description:

Prepared sample is digested to complete dryness with an acid solution of (2:2:1:1) H₂O-HF-HClO₄-HNO₃. 50% HCl is added to the residue and heated using a mixing hot block. After cooling the solutions are made up to volume with dilute HCl in class A volumetric flasks. Sample splits of 0.5g or 0.1g can be analyzed. Very high-grade samples are reweighed at lower weight to accommodate analysis up to 100% upper limit.

Element	Group 7TD Detection	Group 7TX Detection
Ag	2 g/t	0.5 ppm
Al*	0.01%	0.01%
As	0.02%	5 ppm
Ba*	-	5 ppm
Be	-	5 ppm
Bi	0.01%	0.5 ppm
Ca*	0.01%	0.01%
Cd	0.001%	0.5 ppm
Ce	-	5 ppm
Co	0.001%	1 ppm
Cr*	0.001%	1 ppm
Cu	0.001%	0.5 ppm
Fe*	0.01%	0.01%
Hf*	-	0.5 ppm
K	0.01%	0.01%
La	-	0.5 ppm
Li	-	0.5 ppm
Mg	0.01%	0.01%
Mn*	0.01%	5 ppm
Mo	0.001%	0.5 ppm
Na	0.01%	0.01%
Nb*	-	0.5 ppm
Ni	0.001%	0.5 ppm
P	0.01%	0.01%
Pb	0.02%	0.5 ppm

Element	Group 7TD Detection	Group 7TX Detection
Rb	-	0.5 ppm
S*	0.05%	0.05%
Sb	0.01%	0.5 ppm
Sc	-	1 ppm
Sn*	-	0.5 ppm
Sr	0.01%	5 ppm
Ta*	-	0.5 ppm
Th	-	0.5 ppm
Ti*	-	0.001%
U	-	0.5 ppm
V	-	10 ppm
W*	0.01%	0.5 ppm
Y	-	0.5 ppm
Zn	0.01%	5 ppm
Zr*	-	0.5 ppm

Limitations:

*This digestion is only partial for some Cr and Ba minerals and some oxides of Al, Fe, Hf, Mn, Nb, S, Sn, Ta, Ti, W and Zr if refractory minerals are present.

†Volatilization may occur during fuming resulting in some loss of As and Sb.

METHOD SPECIFICATIONS

GROUP 3B AND G6 – PRECIOUS METALS BY FIRE ASSAY FUSION

Package Codes: 3B01 to 3B04, G601 to G614
Sample Digestion: Lead-collection fire assay fusion
Instrumentation Method: ICP-ES (3B, G6), ICP-MS (3B-MS), AA (3B, G6), Gravimetric (G6)
Applicability: Rock, Drill Core

Method Description:

Prepared sample is custom-blended with fire-assay fluxes, PbO litharge and a Ag inquart. Firing the charge at 1050 °C liberates Ag ± Au ± PGEs that report to the molten Pb-metal phase. After cooling the Pb button is recovered, placed in a cupel and fired at 950 °C to render a Ag ± Au ± PGEs dore bead. The bead is digested for ICP analysis or weighed and parted in ACS grade HNO₃ to dissolve Ag leaving a Au sponge. Au is weighed for Gravimetric determination; ACS grade HCl is added dissolving the Au ± PGE sponge for Instrument determination.

Element	3B Detection	3B Upper Limit	3B-MS Detection	3B-MS Upper Limit
Au	2 ppb	10000 ppb	1 ppb	10000 ppb
Pt	3 ppb	10000 ppb	0.1 ppb	10000 ppb
Pd	2 ppb	10000 ppb	0.5 ppb	10000 ppb

Element	G6 (Inst) Detection	G6 (Inst) Upper Limit	G6 (Grav) Detection	G6 (Grav) Upper Limit
Ag	--	--	50 g/t	1 ton
Au	0.005 g/t	10 g/t	0.17 g/t	1 ton
Pt	0.01 g/t	100 g/t	--	--
Pd	0.01 g/t	100 g/t	--	--

Note:

*Sulphide-rich samples require a 15g or smaller sample for proper fusion.

3.3 – Database Techniques

Database Techniques

Field data was collected using a combination of hand held computers, notebooks, and field maps. Map coordinates for samples and geologic stations were collected using a hand held GPS. At the end of each day, all sampling and geologic staff would give these devices and notes to the data manager.

The data manager was responsible for downloading the handheld data into a geochemistry or geology database depending on the type of information that was collected. If there were written notes then this data would be manually entered by the data manager into the appropriate database. Once all the information collected that day was entered into the appropriate database the data manager would go through the data looking for any oversights or mistakes made by the field staff. A map was prepared each night to review the integrity of the spatial data. These measures ensured every sample taken that day had a description and location attached to it. If the data manager noticed any mistakes or oversights by field staff they would be addressed nightly. Refer to section 3.1 Field Sampling Techniques for shipping protocol.

The software used for daily work as well as preparation of this report include: ArcGIS, Microsoft Access, Microsoft Excel, Open Office Suite.

Appendix IV - Silt Sample Descriptions

SAMP_NUM	USERNAME	SAMP_DATE	SAMP_UTM_X	SAMP_UTM_Y	SSAMP_UTM_ZONE	SSAMP_TURB	SSAMP_DEPTH	SSAMP_SIZE	SSAMP_QUAL
AHSRS070	AH	12-Jun-11	393090.85	7135500.2	9N	HIGH	5	4	3
AUSRS089	AU	22-Aug-11	398105	7132944	9N	MED	5	5	5
AUSRS090	AU	22-Aug-11	398066	7133158	9N	MED	5	5	4
AUSRS091	AU	22-Aug-11	398160	7133338	9N	MED	5	5	4
AUSRS092	AU	22-Aug-11	398297	7133499	9N	VERY LOW	5	4	4
AUSRS093	AU	22-Aug-11	398355	7133419	9N	MED	5	5	5
AUSRS094	AU	22-Aug-11	398587	7133488	9N	MED	5	5	5
AUSRS095	AU	22-Aug-11	398811	7133552	9N	MED	5	5	4
AUSRS096	AU	22-Aug-11	398840	7133626	9N	VERY LOW	15	5	5
AUSRS097	AU	22-Aug-11	399049	7133633	9N	MED	5	4	3
AUSRS098	AU	22-Aug-11	399258	7133619	9N	MED	5	5	4
AUSRS099	AU	22-Aug-11	399440	7133720	9N	LOW	5	5	5
AUSRS100	AU	22-Aug-11	399643	7133848	9N	LOW	15	5	5
AUSRS101	AU	22-Aug-11	399822	7134007	9N	MED	5	5	5
AUSRS102	AU	22-Aug-11	400006	7134101	9N	MED	5	5	5
AUSRS103	AU	22-Aug-11	400061	7134293	9N	LOW	5	5	5
AUSRS104	AU	22-Aug-11	400074	7134644	9N	VERY LOW	15	5	5
AUSRS105	AU	22-Aug-11	400101	7134869	9N	VERY LOW	5	5	5
AUSRS106	AU	22-Aug-11	400045	7135108	9N	LOW	5	5	3
BPSRS098	BP	22-Aug-11	397223	7134876	9N	MED	5	5	3
BPSRS099	BP	22-Aug-11	397531	7135196	9N	MED	15	5	4
BPSRS100	BP	22-Aug-11	397616	7135338	9N	MED	5	4	4
BPSRS101	BP	22-Aug-11	397651	7135439	9N	LOW	5	4	5
BPSRS102	BP	22-Aug-11	397909	7135916	9N	VERY LOW	5	5	5
BPSRS103	BP	22-Aug-11	398020	7136175	9N	VERY LOW	5	5	5
BPSRS104	BP	22-Aug-11	396997	7136036	9N	VERY LOW	5	4	5
BPSRS105	BP	22-Aug-11	396973	7135760	9N	MED	5	4	5
BPSRS106	BP	22-Aug-11	396847	7135382	9N	LOW	5	5	3
BPSRS107	BP	22-Aug-11	397059	7134988	9N	MED	5	5	3
BPSRS108	BP	22-Aug-11	397146	7134693	9N	MED	5	5	3
KCSRS067	KC	22-Aug-11	397901	7133514	9N	HIGH	15	5	5
KCSRS068	KC	22-Aug-11	398110	7133580	9N	MED	15	5	5
KCSRS069	KC	22-Aug-11	398585	7134285	9N	HIGH	15	5	5
KCSRS070	KC	22-Aug-11	398702	7134352	9N	MED	15	5	5
KCSRS071	KC	22-Aug-11	398796	7134755	9N	HIGH	15	5	5
KCSRS072	KC	22-Aug-11	398879	7135000	9N	MED	15	5	5
LJSRS224	LJ	15-Jun-11	397471	7132473	9N	MED	5	4	4
SMSRS003	SM	12-Jun-11	391018	7130277	9N	MED	5	5	2
SMSRS067	SM	22-Aug-11	399530	7133441	9N	VERY LOW	5	3	5
SMSRS068	SM	22-Aug-11	399727	7133573	9N	MED	5	5	4
SMSRS069	SM	22-Aug-11	399873	7133782	9N	MED	5	5	4
SMSRS070	SM	22-Aug-11	400301	7134129	9N	VERY LOW	5	4	3
SMSRS071	SM	22-Aug-11	400489	7134354	9N	MED	15	4	4
SMSRS072	SM	22-Aug-11	400489	7134384	9N	MED	25	4	3
SMSRS073	SM	22-Aug-11	400636	7134542	9N	LOW	SELECT	4	3
SMSRS074	SM	22-Aug-11	400726	7134612	9N	VERY LOW	5	3	4

Appendix V - Soil Sample Descriptions

SAMP_NUM	DSAMP_PROJ	USERNAME	SAMP_DATE	SAMP_TIME	SAMP_TYPE	SAMP_PURP	LOC_METH	SAMP_CHAIN_M	SAMP_ELEV_M	SAMP_UTM_X	SAMP_UTM_Y	DSAMP_UTM_ZONE
RZSRD001	SR	RZ	12/06/2011	13:29	DIRT	ASSAY	GPS		1750	393122	7135505	9N
RZSRD002	SR	RZ	12/06/2011	13:54	DIRT	ASSAY	GPS		1747	393095	7135502	9N
SMSRD099	SR	SM	22/08/2011	16:57	DIRT	ASSAY	GPS		1809	394553	7136877	9N
SMSRD103	SR	SM	22/08/2011	9:57	DIRT	ASSAY	GPS		1795	399637	7133209	9N
SMSRD104	SR	SM	22/08/2011	10:16	DIRT	ASSAY	GPS		1749	399544	7133380	9N
SRL214 00+00	SR	DF	20/08/2011	9:23	SOIL	ANALYSIS	GPS		1500	392109	7135634	9N
SRL214 00+25N	SR	DF	20/08/2011	9:51	SOIL	ANALYSIS	MAP			392116.13	7135657.25	9N
SRL214 00+50N	SR	DF	20/08/2011	9:51	SOIL	ANALYSIS	MAP			392123.25	7135680.5	9N
SRL214 00+75N	SR	DF	20/08/2011	9:51	SOIL	ANALYSIS	MAP			392130.38	7135703.75	9N
SRL214 01+00N	SR	DF	20/08/2011	9:51	SOIL	ANALYSIS	MAP			392137.5	7135727	9N
SRL214 01+25N	SR	DF	20/08/2011	9:51	SOIL	ANALYSIS	MAP			392144.63	7135750.25	9N
SRL214 01+50N	SR	DF	20/08/2011	9:51	SOIL	ANALYSIS	MAP			392151.75	7135773.5	9N
SRL214 01+75N	SR	DF	20/08/2011	9:51	SOIL	ANALYSIS	MAP			392158.88	7135796.75	9N
SRL214 02+00N	SR	DF	20/08/2011	9:52	SOIL	ANALYSIS	GPS		1510	392166	7135820	9N
SRL214 02+25N	SR	DF	20/08/2011	10:12	SOIL	ANALYSIS	MAP			392181.25	7135838.13	9N
SRL214 02+50N	SR	DF	20/08/2011	10:12	SOIL	ANALYSIS	MAP			392196.5	7135856.25	9N
SRL214 02+75N	SR	DF	20/08/2011	10:13	SOIL	ANALYSIS	MAP			392211.75	7135874.38	9N
SRL214 03+00N	SR	DF	20/08/2011	10:13	SOIL	ANALYSIS	MAP			392227	7135892.5	9N
SRL214 03+25N	SR	DF	20/08/2011	10:13	SOIL	ANALYSIS	MAP			392242.25	7135910.63	9N
SRL214 03+50N	SR	DF	20/08/2011	10:13	SOIL	ANALYSIS	MAP			392257.5	7135928.75	9N
SRL214 03+75N	SR	DF	20/08/2011	10:20	SOIL	ANALYSIS	MAP			392272.75	7135946.88	9N
SRL214 04+00N	SR	DF	20/08/2011	10:20	SOIL	ANALYSIS	GPS		1510	392288	7135965	9N
SRL214 04+25N	SR	DF	20/08/2011	10:33	SOIL	ANALYSIS	MAP			392306	7135980.25	9N
SRL214 04+50N	SR	DF	20/08/2011	10:33	SOIL	ANALYSIS	MAP			392324	7135995.5	9N
SRL214 04+75N	SR	DF	20/08/2011	10:33	SOIL	ANALYSIS	MAP			392342	7136010.75	9N
SRL214 05+00N	SR	DF	20/08/2011	10:33	SOIL	ANALYSIS	MAP			392360	7136026	9N
SRL214 05+25N	SR	DF	20/08/2011	10:58	SOIL	ANALYSIS	MAP			392378	7136041.25	9N
SRL214 05+50N	SR	DF	20/08/2011	10:58	SOIL	ANALYSIS	MAP			392396	7136056.5	9N
SRL214 05+75N	SR	DF	20/08/2011	10:58	SOIL	ANALYSIS	MAP			392414	7136071.75	9N
SRL214 06+00N	SR	DF	20/08/2011	10:58	SOIL	ANALYSIS	GPS		1520	392432	7136087	9N
SRL214 06+25N	SR	DF	20/08/2011	11:51	SOIL	ANALYSIS	MAP			392453.75	7136101.88	9N
SRL214 06+50N	SR	DF	20/08/2011	11:51	SOIL	ANALYSIS	MAP			392475.5	7136116.75	9N
SRL214 06+75N	SR	DF	20/08/2011	11:51	SOIL	ANALYSIS	LS			392497.25	7136131.63	9N
SRL214 07+00N	SR	DF	20/08/2011	11:51	SOIL	ANALYSIS	MAP			392519	7136146.5	9N
SRL214 07+25N	SR	DF	20/08/2011	11:51	SOIL	ANALYSIS	MAP			392540.75	7136161.38	9N
SRL214 07+50N	SR	DF	20/08/2011	11:51	SOIL	ANALYSIS	MAP			392562.5	7136176.25	9N
SRL214 07+75N	SR	DF	20/08/2011	11:51	SOIL	ANALYSIS	MAP			392584.25	7136191.13	9N
SRL214 08+00N	SR	DF	20/08/2011	11:52	SOIL	ANALYSIS	GPS		1520	392606	7136206	9N
SRL214 08+25N	SR	DF	20/08/2011	12:08	SOIL	ANALYSIS	MAP			392621.5	7136224.5	9N
SRL214 08+50N	SR	DF	20/08/2011	12:08	SOIL	ANALYSIS	MAP			392637	7136243	9N
SRL214 08+75N	SR	DF	20/08/2011	12:08	SOIL	ANALYSIS	NO SAMPLE			392652.5	7136261.5	9N
SRL214 09+00N	SR	DF	20/08/2011	12:08	SOIL	ANALYSIS	MAP			392668	7136280	9N
SRL214 09+25N	SR	DF	20/08/2011	12:20	SOIL	ANALYSIS	NO SAMPLE			392683.5	7136298.5	9N
SRL214 09+50N	SR	DF	20/08/2011	12:21	SOIL	ANALYSIS	MAP			392699	7136317	9N
SRL214 09+75N	SR	DF	20/08/2011	12:21	SOIL	ANALYSIS	MAP			392714.5	7136335.5	9N
SRL214 10+00N	SR	DF	20/08/2011	12:21	SOIL	ANALYSIS	GPS		1530	392730	7136354	9N

Appendix V - Soil Sample Descriptions

SAMP_NUM	SAMP_GPS_ACC_M	DSAMP_COLOUR1	DSAMP_COLOUR2	DSAMP_SLOPE	DSAMP_DEPTH_CM	DSAMP_HORIZON	DSAMP_QUAL	DSAMP_NOTE	DSAMP_NOTE2
RZSRD001	10								
RZSRD002	10								
SMSRD099	13	brown	NA	0 - 20	5	B	3	TALUS	ROCKY
SMSRD103	5	brown	NA	0 - 20	5	B	3	TALUS	ROCKY
SMSRD104	6	tan	orange	40 - 60	5	B	3	TALUS	ROCKY
SRL214 00+00	7	brown	grey	0 - 20	15	B	4	ROCKY	LINE_START
SRL214 00+25N		grey	black	0 - 20	15	B	4	ROCKY	N/A
SRL214 00+50N		grey	black	0 - 20	15	B	4	ROCKY	N/A
SRL214 00+75N		grey	black	0 - 20	15	B	4	ROCKY	N/A
SRL214 01+00N		grey	black	0 - 20	15	B	4	ROCKY	N/A
SRL214 01+25N		grey	black	0 - 20	15	B	4	ROCKY	N/A
SRL214 01+50N		grey	black	0 - 20	15	B	4	ROCKY	N/A
SRL214 01+75N		brown	grey	0 - 20	15	B	4	ROCKY	N/A
SRL214 02+00N	6	brown	grey	0 - 20	15	B	4	ROCKY	N/A
SRL214 02+25N		brown	grey	0 - 20	15	B	4	ROCKY	N/A
SRL214 02+50N		brown	grey	0 - 20	15	B	4	ROCKY	N/A
SRL214 02+75N		brown	grey	0 - 20	15	B	4	ROCKY	N/A
SRL214 03+00N		brown	grey	0 - 20	15	B	4	ROCKY	N/A
SRL214 03+25N		brown	grey	0 - 20	15	B	4	ROCKY	N/A
SRL214 03+50N		brown	grey	0 - 20	15	B	4	ROCKY	N/A
SRL214 03+75N		brown	grey	0 - 20	15	B	4	ROCKY	N/A
SRL214 04+00N	4	brown	grey	0 - 20	15	B	4	ROCKY	N/A
SRL214 04+25N		brown	grey	0 - 20	15	B	4	ORGANIC	N/A
SRL214 04+50N		brown	grey	0 - 20	15	B	4	ORGANIC	N/A
SRL214 04+75N		brown	grey	0 - 20	25	B	4	ORGANIC	N/A
SRL214 05+00N		brown	grey	0 - 20	25	B	4	ORGANIC	N/A
SRL214 05+25N		brown	grey	0 - 20	25	B	4	ORGANIC	N/A
SRL214 05+50N		brown	grey	0 - 20	25	B	3	ORGANIC	N/A
SRL214 05+75N		brown	grey	0 - 20	25	B	3	ORGANIC	N/A
SRL214 06+00N	3	brown	grey	0 - 20	25	B	4	N/A	N/A
SRL214 06+25N		brown	grey	0 - 20	25	B	4	N/A	N/A
SRL214 06+50N		brown	grey	0 - 20	25	B	3	ORGANIC	N/A
SRL214 06+75N		brown	grey	0 - 20	25	B	3	ORGANIC	N/A
SRL214 07+00N		brown	grey	0 - 20	25	B	3	N/A	N/A
SRL214 07+25N		brown	grey	0 - 20	25	B	4	N/A	N/A
SRL214 07+50N		brown	grey	0 - 20	25	B	4	N/A	N/A
SRL214 07+75N		brown	grey	0 - 20	25	B	4	N/A	N/A
SRL214 08+00N	4	brown	grey	0 - 20	25	B	4	N/A	N/A
SRL214 08+25N		brown	grey	0 - 20	25	B	4	N/A	N/A
SRL214 08+50N		brown	grey	0 - 20	25	B	3	N/A	N/A
SRL214 08+75N									
SRL214 09+00N		brown	grey	0 - 20	25	B	4	N/A	N/A
SRL214 09+25N									
SRL214 09+50N		brown	grey	0 - 20	25	B	4	N/A	N/A
SRL214 09+75N		brown	grey	0 - 20	25	B	4	N/A	N/A
SRL214 10+00N	4	brown	grey	0 - 20	25	B	4	N/A	N/A

Appendix V - Soil Sample Descriptions

SAMP_NUM	DSAMP_PROJ	USERNAME	SAMP_DATE	SAMP_TIME	SAMP_TYPE	SAMP_PURP	LOC_METH	SAMP_CHAIN_M	SAMP_ELEV_M	SAMP_UTM_X	SAMP_UTM_Y	DSAMP_UTM_ZONE
SRL214 10+25N	SR	DF	20/08/2011	12:42	SOIL	ANALYSIS	MAP			392749.63	7136368.63	9N
SRL214 10+50N	SR	DF	20/08/2011	12:43	SOIL	ANALYSIS	MAP			392769.25	7136383.25	9N
SRL214 10+75N	SR	DF	20/08/2011	12:43	SOIL	ANALYSIS	MAP			392788.88	7136397.88	9N
SRL214 11+00N	SR	DF	20/08/2011	12:43	SOIL	ANALYSIS	MAP			392808.5	7136412.5	9N
SRL214 11+25N	SR	DF	20/08/2011	12:43	SOIL	ANALYSIS	MAP			392828.13	7136427.13	9N
SRL214 11+50N	SR	DF	20/08/2011	12:43	SOIL	ANALYSIS	MAP			392847.75	7136441.75	9N
SRL214 11+75N	SR	DF	20/08/2011	12:43	SOIL	ANALYSIS	MAP			392867.38	7136456.38	9N
SRL214 12+00N	SR	DF	20/08/2011	12:43	SOIL	ANALYSIS	GPS		1520	392887	7136471	9N
SRL214 12+25N	SR	DF	20/08/2011	13:11	SOIL	ANALYSIS	MAP			392905.25	7136486.63	9N
SRL214 12+50N	SR	DF	20/08/2011	13:12	SOIL	ANALYSIS	MAP			392923.5	7136502.25	9N
SRL214 12+75N	SR	DF	20/08/2011	13:12	SOIL	ANALYSIS	MAP			392941.75	7136517.88	9N
SRL214 13+00N	SR	DF	20/08/2011	13:12	SOIL	ANALYSIS	MAP			392960	7136533.5	9N
SRL214 13+25N	SR	DF	20/08/2011	13:12	SOIL	ANALYSIS	MAP			392978.25	7136549.13	9N
SRL214 13+50N	SR	DF	20/08/2011	13:12	SOIL	ANALYSIS	MAP			392996.5	7136564.75	9N
SRL214 13+75N	SR	DF	20/08/2011	13:12	SOIL	ANALYSIS	MAP			393014.75	7136580.38	9N
SRL214 14+00N	SR	DF	20/08/2011	13:12	SOIL	ANALYSIS	GPS		1515	393033	7136596	9N
SRL214 14+25N	SR	DF	20/08/2011	13:43	SOIL	ANALYSIS	MAP			393050.88	7136615.75	9N
SRL214 14+50N	SR	DF	20/08/2011	13:43	SOIL	ANALYSIS	MAP			393068.75	7136635.5	9N
SRL214 14+75N	SR	DF	20/08/2011	13:43	SOIL	ANALYSIS	MAP			393086.63	7136655.25	9N
SRL214 15+00N	SR	DF	20/08/2011	13:44	SOIL	ANALYSIS	MAP			393104.5	7136675	9N
SRL214 15+25N	SR	DF	20/08/2011	13:44	SOIL	ANALYSIS	NO SAMPLE			393122.38	7136694.75	9N
SRL214 15+50N	SR	DF	20/08/2011	13:44	SOIL	ANALYSIS	MAP			393140.25	7136714.5	9N
SRL214 15+75N	SR	DF	20/08/2011	13:44	SOIL	ANALYSIS	MAP			393158.13	7136734.25	9N
SRL214 16+00N	SR	DF	20/08/2011	13:44	SOIL	ANALYSIS	GPS		1720	393176	7136754	9N
SRL215 10+25S	SR	KC	20/08/2011	12:57	SOIL	ANALYSIS	MAP			393351.75	7136949.38	9N
SRL215 10+50S	SR	KC	20/08/2011	12:57	SOIL	ANALYSIS	MAP			393334.5	7136931.75	9N
SRL215 10+75S	SR	KC	20/08/2011	12:57	SOIL	ANALYSIS	MAP			393317.25	7136914.13	9N
SRL215 11+00S	SR	KC	20/08/2011	12:57	SOIL	ANALYSIS	MAP			393300	7136896.5	9N
SRL215 11+25S	SR	KC	20/08/2011	13:15	SOIL	ANALYSIS	MAP			393282.75	7136878.88	9N
SRL215 11+50S	SR	KC	20/08/2011	13:16	SOIL	ANALYSIS	MAP			393265.5	7136861.25	9N
SRL215 11+75S	SR	KC	20/08/2011	13:16	SOIL	ANALYSIS	MAP			393248.25	7136843.63	9N
SRL215 12+00S	SR	KC	20/08/2011	13:16	SOIL	ANALYSIS	GPS		1507	393231	7136826	9N

Appendix V - Soil Sample Descriptions

SAMP_NUM	SAMP_GPS_ACC_M	DSAMP_COLOUR1	DSAMP_COLOUR2	DSAMP_SLOPE	DSAMP_DEPTH_CM	DSAMP_HORIZON	DSAMP_QUAL	DSAMP_NOTE	DSAMP_NOTE2
SRL214 10+25N		brown	grey	0 - 20	25	B	4	N/A	N/A
SRL214 10+50N		brown	grey	0 - 20	25	B	4	N/A	N/A
SRL214 10+75N		brown	grey	0 - 20	25	B	4	N/A	N/A
SRL214 11+00N		brown	grey	0 - 20	25	B	3	N/A	N/A
SRL214 11+25N		brown	grey	0 - 20	25	B	3	N/A	N/A
SRL214 11+50N		brown	grey	0 - 20	25	B	3	N/A	N/A
SRL214 11+75N		brown	grey	0 - 20	25	B	3	N/A	N/A
SRL214 12+00N	8	brown	grey	0 - 20	25	B	3	N/A	N/A
SRL214 12+25N		brown	grey	0 - 20	25	B	3	N/A	N/A
SRL214 12+50N		brown	grey	0 - 20	25	B	4	N/A	N/A
SRL214 12+75N		brown	grey	0 - 20	25	B	4	N/A	N/A
SRL214 13+00N		brown	grey	0 - 20	25	B	4	N/A	N/A
SRL214 13+25N		brown	grey	0 - 20	25	B	4	N/A	N/A
SRL214 13+50N		brown	grey	0 - 20	25	B	4	N/A	N/A
SRL214 13+75N		brown	grey	0 - 20	25	B	4	N/A	N/A
SRL214 14+00N	10	brown	grey	0 - 20	25	B	4	N/A	N/A
SRL214 14+25N		brown	grey	0 - 20	25	B	4	N/A	N/A
SRL214 14+50N		brown	grey	0 - 20	25	B	4	N/A	N/A
SRL214 14+75N		brown	grey	0 - 20	25	B	4	N/A	N/A
SRL214 15+00N		brown	grey	0 - 20	25	B	4	N/A	N/A
SRL214 15+25N									
SRL214 15+50N		brown	grey	0 - 20	25	B	4	N/A	N/A
SRL214 15+75N		brown	grey	0 - 20	25	B	4	N/A	N/A
SRL214 16+00N	9	brown	grey	0 - 20	25	B	4	LINE_END	N/A
SRL215 10+25S		brown	grey	0 - 20	15	B	4	ORGANIC	ROCKY
SRL215 10+50S		brown	grey	0 - 20	15	B	4	ORGANIC	N/A
SRL215 10+75S									
SRL215 11+00S									
SRL215 11+25S		brown	black	0 - 20	15	B	4	ORGANIC	N/A
SRL215 11+50S									
SRL215 11+75S									
SRL215 12+00S	8	brown	grey	0 - 20	15	B	4	LINE_END	ROCKY

Appendix VI - Rock Sample Descriptions

SAMP_NUM	RSAMP_PROJ	USERNAME	SAMP_DATE	SAMP_TYPE	SAMP_UTM_X	SAMP_UTM_Y	RSAMP_CHANNEL_M	RSAMP_CHANNEL_AZ	MAP_UNIT	RTYPE_MAJ	RTYPE_MIN	COLOUR_FRSH
SMSRR009	SR	MV	12-Jun-11	CHIP	393117	7135502	2	274	CSM4	Basalt	Limestone	brownish
SMSRR008	SR	MV	12-Jun-11	CHIP	393117	7135502	0.77	274	CSM4	Basalt	Limestone	brownish
AHSRR186	SR	AH	20-Aug-11	GRAB	394872.81	7136721.8			ICS	Limestone		orange
AHSRR187	SR	AH	22-Aug-11	CHIP	394623	7136815	1	220	ICS	Limestone		orange
SMSRR078	SR	SM	22-Aug-11	GRAB	400032	7133893				Vein		white
AHSRR103	SR	AH	12-Jun-11	SUBCROP	394216	7136704			ICS	Limestone		grey

Appendix VI - Rock Sample Descriptions

SAMP_NUM	COLOUR_WEATH	GRNSIZE	TEXTURE	META_INDIC	MINRLZN_MAJ	MINRLZN_MIN	MIN_STYLE	MIN_PERC	ALTRN	ALT_DEG
SMSRR009	beige	fine	amygdaloidal		3		DISSEMINATED	3	Carbonate	3
SMSRR008	beige	fine	amygdaloidal		3		DISSEMINATED	3	Carbonate	3
AHSRR186	orange	medium								
AHSRR187	orange	fine	sheared							
SMSRR078	orangish	coarse	massive							
AHSRR103	grey	fine			2	smithsonite	DISSEMINATED	2	Silica	2

Appendix VI - Rock Sample Descriptions

SAMP_NUM	RSAMP_DESC
SMSRR009	Sampled across an irregular set of calcite veins up to 2 cm sub parallel to the main vein. Sample is contiguous with sample SMSRR009, into the W wall.
SMSRR008	Chip across coarse crystalline calcite vein hosted within the volcanic unit.
AHSRR186	Sample of pod and qtz vein material, galena, sph
AHSRR187	Chip sample across shear zones, shear consists of 25-30 cm with barite-calcite-qtz veining
SMSRR078	
AHSRR103	Sample of float/talus, calcite flooding with galena/smithsonite min, 5%

Appendix VII – Analytical Certificates

7.1 – Rock Samples

7.2 - Silt Samples

7.3 - Soil Samples

7.1 - Rock Samples



Client: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Submitted By: Chris Gallagher
Receiving Lab: Canada-Yellowknife
Received: June 29, 2011
Report Date: July 27, 2011
Page: 1 of 3

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CERTIFICATE OF ANALYSIS

YKN11000158.1

CLIENT JOB INFORMATION

Project: Selwyn Recce
Shipment ID: SR11-005 / SR11-009
P.O. Number
Number of Samples: 39

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7
Canada

CC: Jesse Campbell

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-500	39	Crush, split and pulverize 500 g rock to 200 mesh			VAN
G601	39	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
1DX1	39	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
2X	18	Pressed Pellet XRF Analysis	6	Completed	VAN
7TD	1	4-acid Digestion ICP-ES Finish	0.5	Completed	VAN
7TD.1	1	4 Acid digestion ICP-ES analysis	0.1	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: Selwyn Recce
Report Date: July 27, 2011

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Page: 2 of 3 Part 1

CERTIFICATE OF ANALYSIS

YKN11000158.1

Method Analyte Unit MDL		G6 Au ppm 0.005	1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX U ppm 0.1	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01
AHSRR103	Rock	<0.005	0.3	194.2	1546	>10000	0.9	2.8	3.1	1025	2.47	6.2	0.1	1.2	0.2	72	86.2	8.2	<0.1	2	11.28
AHSRR104	Rock	<0.005	1.5	8.0	27.2	1151	0.3	7.9	2.4	350	2.02	11.3	0.6	<0.5	1.4	112	1.1	1.0	<0.1	5	12.60
AHSRR105	Rock	<0.005	0.4	1.3	5.7	272	<0.1	1.0	0.3	36	0.07	5.2	0.8	<0.5	0.2	187	0.4	<0.1	<0.1	3	21.32
AHSRR106	Rock	<0.005	0.2	4.2	259.0	164	0.2	3.1	0.1	112	0.11	11.8	0.3	<0.5	0.4	990	5.9	0.8	<0.1	2	31.32
AHSRR107	Rock	<0.005	<0.1	3.6	209.8	51	0.3	0.7	<0.1	1092	0.32	6.3	0.2	<0.5	<0.1	619	0.5	2.3	<0.1	2	24.30
AHSRR108	Rock	0.008	0.5	3.0	4.2	53	<0.1	1.8	0.3	428	0.20	8.6	0.6	<0.5	0.1	361	<0.1	0.2	<0.1	2	23.56
GHSRR013	Rock	<0.005	0.2	1.6	7.4	63	<0.1	4.1	4.4	330	2.20	1.2	2.5	<0.5	12.6	31	<0.1	<0.1	<0.1	31	0.76
LJSRR032	Rock	0.006	0.4	7.6	22.0	34	0.1	159.4	27.3	450	3.94	19.5	0.3	1.1	1.5	90	0.2	0.4	<0.1	43	10.71
LJSRR033	Rock	0.006	5.0	15.5	38.0	6881	0.3	42.4	7.2	799	5.02	23.9	0.3	<0.5	2.8	112	36.2	1.1	<0.1	37	11.25
LJSRR034	Rock	<0.005	1.6	18.0	68.4	17	0.4	49.3	8.6	281	20.10	25.0	0.2	1.4	1.1	41	<0.1	1.9	<0.1	15	6.16
LJSRR035	Rock	<0.005	0.7	2.7	12.6	47	<0.1	52.2	12.0	1653	2.00	10.1	0.4	<0.5	6.6	543	0.2	0.3	<0.1	38	10.53
LJSRR036	Rock	<0.005	0.2	11.6	21.4	66	<0.1	4.9	1.0	210	0.61	11.4	0.3	<0.5	0.1	226	0.2	1.0	<0.1	<2	18.91
LJSRR037	Rock	<0.005	0.6	11.2	30.2	107	0.3	83.2	21.5	261	4.08	14.1	0.2	1.1	1.3	49	0.3	0.2	<0.1	13	3.66
LJSRR038	Rock	<0.005	0.3	8.2	10.1	13	0.1	88.1	14.1	235	3.97	6.5	0.3	<0.5	2.8	57	<0.1	0.2	<0.1	25	3.59
LJSRR039	Rock	<0.005	0.3	6.8	5.3	20	<0.1	32.2	6.0	358	1.68	6.2	0.3	<0.5	0.7	66	<0.1	0.1	<0.1	9	12.90
LJSRR040	Rock	<0.005	0.1	1.9	2.7	10	<0.1	5.5	0.9	325	0.78	4.7	0.4	<0.5	0.2	69	<0.1	<0.1	<0.1	5	15.18
LJSRR041	Rock	<0.005	0.3	3.5	19.9	16	<0.1	8.3	1.3	345	1.25	10.5	0.3	<0.5	0.2	64	<0.1	1.0	<0.1	7	14.25
LJSRR042	Rock	<0.005	0.3	0.6	20.9	7	<0.1	3.0	0.3	25	0.07	8.8	0.2	<0.5	0.3	194	<0.1	0.8	<0.1	2	25.27
RZSRR021	Rock	<0.005	0.3	1.4	2.9	34	<0.1	6.4	2.5	137	1.86	2.1	0.2	<0.5	0.9	28	<0.1	0.1	<0.1	5	1.59
SMSRR012	Rock	<0.005	<0.1	<0.1	0.5	<1	<0.1	0.8	<0.1	26	0.06	7.7	0.4	<0.5	<0.1	323	<0.1	<0.1	<0.1	<2	32.64
SMSRR013	Rock	<0.005	0.4	0.4	0.6	3	<0.1	4.0	0.2	23	0.02	7.5	4.4	<0.5	0.2	298	<0.1	<0.1	<0.1	12	32.54
AHSRR109	Rock	<0.005	0.6	16.2	8.1	32	<0.1	90.9	21.6	1145	4.15	10.8	1.4	0.5	4.7	445	<0.1	0.2	<0.1	42	12.97
CGSRR017	Rock	<0.005	0.1	0.4	0.5	22	<0.1	4.4	0.5	52	0.06	6.3	0.8	<0.5	<0.1	198	0.5	<0.1	<0.1	4	33.57
CGSRR018	Rock	<0.005	0.2	0.1	0.3	10	<0.1	3.8	0.1	34	0.06	6.7	0.8	<0.5	<0.1	185	<0.1	<0.1	<0.1	3	32.32
DFSRR002	Rock	<0.005	0.5	4.3	18.8	103	<0.1	3.0	0.5	38	0.56	3.8	0.3	<0.5	0.2	11	0.4	0.4	<0.1	3	4.81
LJSRR043	Rock	<0.005	2.1	23.6	130.4	343	<0.1	31.8	5.1	198	0.75	12.4	3.1	<0.5	0.9	548	5.0	0.6	<0.1	18	24.56
LJSRR044	Rock	<0.005	0.3	1.3	335.9	3	<0.1	2.8	0.6	83	0.12	9.0	0.3	<0.5	0.3	318	<0.1	0.7	<0.1	6	31.71
LJSRR045	Rock	<0.005	1.4	2.7	616.7	9138	0.2	5.2	2.1	47	1.41	13.4	1.6	<0.5	0.2	169	56.4	2.1	<0.1	4	12.71
LJSRR046	Rock	<0.005	0.4	21.3	1540	76	0.9	1.4	0.2	212	0.75	9.7	<0.1	<0.5	<0.1	27	0.4	2.4	<0.1	<2	1.40
ESPRR004	Rock	0.012	4.8	5.8	34.3	60	1.2	2.8	0.1	10	0.31	3.5	0.4	<0.5	1.2	14	0.3	1.5	0.2	61	0.10



Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: Selwyn Recce
Report Date: July 27, 2011

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Page: 2 of 3 Part 2

CERTIFICATE OF ANALYSIS

YKN11000158.1

Method Analyte Unit MDL		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	2X	7TD	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te	W	Pb
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	3	0.02
AHSRR103	Rock	0.004	<1	2	6.72	70	0.001	<20	0.04	0.008	<0.01	0.7	32.79	0.3	<0.1	0.75	1	3.9	<0.2	N.A.	
AHSRR104	Rock	0.085	11	4	1.63	65	<0.001	<20	0.09	0.006	0.06	<0.1	0.37	0.8	<0.1	1.39	<1	0.9	<0.2	N.A.	
AHSRR105	Rock	0.003	1	1	7.06	143	<0.001	<20	0.04	0.011	0.03	<0.1	0.13	0.3	<0.1	0.24	<1	<0.5	<0.2	N.A.	
AHSRR106	Rock	0.005	2	<1	0.16	2735	<0.001	<20	0.03	0.002	0.02	<0.1	0.08	0.6	<0.1	0.37	<1	<0.5	<0.2	N.A.	
AHSRR107	Rock	<0.001	7	2	0.46	1131	<0.001	<20	<0.01	0.005	<0.01	<0.1	0.22	0.7	<0.1	0.37	<1	<0.5	<0.2	N.A.	
AHSRR108	Rock	0.004	4	<1	5.73	522	<0.001	<20	0.01	0.011	<0.01	<0.1	0.10	0.3	<0.1	0.29	<1	<0.5	<0.2	N.A.	
GHSRR013	Rock	0.034	28	15	0.57	117	0.174	<20	1.33	0.132	0.70	0.4	<0.01	3.6	0.3	0.09	6	<0.5	<0.2	N.A.	
LJSRR032	Rock	0.162	12	124	7.67	27	0.003	<20	0.22	0.015	0.17	0.1	0.06	8.1	0.4	3.93	<1	<0.5	<0.2	N.A.	
LJSRR033	Rock	0.062	12	20	8.05	16	0.001	<20	0.13	0.014	0.09	0.2	2.05	2.4	0.4	4.85	1	0.6	<0.2	N.A.	
LJSRR034	Rock	0.023	5	11	3.95	8	<0.001	<20	0.10	0.007	0.07	<0.1	0.13	1.1	1.1	>10	<1	<0.5	<0.2	N.A.	
LJSRR035	Rock	0.154	22	79	7.70	26	0.002	<20	0.27	0.010	0.19	0.1	0.03	5.3	<0.1	1.37	<1	<0.5	<0.2	N.A.	
LJSRR036	Rock	0.002	2	2	9.66	16	<0.001	<20	0.02	0.017	<0.01	<0.1	0.15	0.2	<0.1	0.62	<1	<0.5	<0.2	N.A.	
LJSRR037	Rock	0.079	5	32	1.57	31	0.002	<20	0.39	0.003	0.32	<0.1	0.11	4.4	0.1	4.76	<1	<0.5	<0.2	N.A.	
LJSRR038	Rock	0.293	17	100	1.54	26	0.005	<20	0.55	0.004	0.36	<0.1	0.04	9.7	<0.1	4.38	2	<0.5	<0.2	N.A.	
LJSRR039	Rock	0.082	6	14	9.33	16	0.002	<20	0.15	0.018	0.10	<0.1	0.05	1.1	<0.1	1.59	<1	<0.5	<0.2	N.A.	
LJSRR040	Rock	0.009	3	3	11.04	6	<0.001	<20	0.05	0.020	0.02	<0.1	<0.01	0.4	<0.1	0.64	<1	<0.5	<0.2	N.A.	
LJSRR041	Rock	0.006	3	3	10.26	7	<0.001	<20	0.03	0.019	0.02	<0.1	0.05	0.7	<0.1	0.93	<1	<0.5	<0.2	N.A.	
LJSRR042	Rock	0.006	3	1	0.24	64	<0.001	<20	0.05	0.004	0.03	<0.1	<0.01	0.3	<0.1	0.32	<1	<0.5	<0.2	N.A.	
RZSRR021	Rock	0.252	<1	19	0.11	31	0.001	<20	0.23	0.005	0.01	<0.1	<0.01	0.5	<0.1	0.10	<1	<0.5	<0.2	N.A.	
SMSRR012	Rock	0.001	<1	1	0.44	25	<0.001	<20	0.02	0.005	<0.01	<0.1	<0.01	0.2	<0.1	0.31	<1	<0.5	<0.2	N.A.	
SMSRR013	Rock	0.004	2	1	0.32	32	<0.001	<20	0.03	0.006	0.02	<0.1	<0.01	0.4	<0.1	0.36	<1	<0.5	<0.2	N.A.	
AHSRR109	Rock	0.310	112	78	6.67	26	0.002	<20	0.25	0.009	0.17	<0.1	0.02	6.0	<0.1	0.31	<1	<0.5	<0.2	<3	
CGSRR017	Rock	0.004	2	<1	0.16	102	<0.001	<20	<0.01	0.003	<0.01	<0.1	<0.01	<0.1	<0.1	0.31	<1	<0.5	<0.2	<3	
CGSRR018	Rock	0.003	2	<1	0.75	214	<0.001	<20	0.01	0.004	<0.01	<0.1	<0.01	<0.1	<0.1	0.30	<1	<0.5	<0.2	<3	
DFSRR002	Rock	0.002	<1	19	0.04	21	0.001	1289	0.23	0.166	0.12	<0.1	0.26	0.9	<0.1	0.12	5	<0.5	<0.2	<3	
LJSRR043	Rock	0.013	3	8	0.20	38	<0.001	150	0.49	0.022	0.18	<0.1	0.01	1.4	<0.1	1.90	1	1.6	<0.2	<3	
LJSRR044	Rock	0.001	5	2	0.29	1038	<0.001	<20	0.07	0.004	0.04	<0.1	<0.01	0.7	<0.1	0.47	<1	0.6	<0.2	<3	
LJSRR045	Rock	0.002	<1	9	0.07	60	<0.001	<20	0.04	0.003	0.02	<0.1	0.13	0.3	<0.1	0.59	1	1.6	<0.2	<3	
LJSRR046	Rock	0.003	<1	30	0.43	29	<0.001	<20	<0.01	0.012	<0.01	<0.1	0.11	0.1	<0.1	0.11	<1	<0.5	<0.2	<3	
ESPRR004	Rock	0.004	<1	15	0.04	1912	0.001	<20	0.45	0.003	0.28	<0.1	0.17	0.8	<0.1	0.25	2	4.5	<0.2	<3	



Client: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: Selwyn Recce
Report Date: July 27, 2011

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Page: 2 of 3 **Part** 3

CERTIFICATE OF ANALYSIS

YKN11000158.1

Method	7TD	7TD.1	7TD.1
Analyte	Zn	Pb	Zn
Unit	%	%	%
MDL	0.01	0.02	0.01
AHSRR103	Rock		
AHSRR104	Rock		
AHSRR105	Rock		
AHSRR106	Rock		
AHSRR107	Rock		
AHSRR108	Rock		
GHSRR013	Rock		
LJSRR032	Rock		
LJSRR033	Rock		
LJSRR034	Rock		
LJSRR035	Rock		
LJSRR036	Rock		
LJSRR037	Rock		
LJSRR038	Rock		
LJSRR039	Rock		
LJSRR040	Rock		
LJSRR041	Rock		
LJSRR042	Rock		
RZSRR021	Rock		
SMSRR012	Rock		
SMSRR013	Rock		
AHSRR109	Rock		
CGSRR017	Rock		
CGSRR018	Rock		
DFSRR002	Rock		
LJSRR043	Rock		
LJSRR044	Rock		
LJSRR045	Rock		
LJSRR046	Rock		
ESPRR004	Rock		



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

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Client: TerraLogic Exploration Inc.

Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Submitted By: Chris Gallagher

Receiving Lab: Canada-Yellowknife

Received: June 28, 2011

Report Date: July 21, 2011

Page: 1 of 4

CERTIFICATE OF ANALYSIS

YKN11000153.1

CLIENT JOB INFORMATION

Project: Selwyn Recce
Shipment ID: SR11-004
P.O. Number
Number of Samples: 70

SAMPLE DISPOSAL

RTRN-PLP

RTRN-RJT

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7
Canada

CC: Jesse Campbell

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-500	68	Crush, split and pulverize 500 g rock to 200 mesh			VAN
G601	70	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
1DX1	70	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
2X	70	Pressed Pellet XRF Analysis	6	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: Selwyn Recce
Report Date: July 21, 2011

Page: 4 of 4 **Part** 1

CERTIFICATE OF ANALYSIS

YKN11000153.1

	Method Analyte Unit MDL	WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1
RZSRR020	Rock	4.00	<0.005	11.7	45.4	22.0	76	1.4	20.3	6.5	136	4.62	22.0	2.3	<0.5	2.1	741	1.2	2.9	<0.1
SMSRR001	Rock	0.74	<0.005	1.1	43.5	7.5	55	0.2	66.4	32.7	332	6.59	2.0	0.2	<0.5	1.6	135	<0.1	0.5	<0.1
SMSRR002	Rock	0.92	<0.005	0.9	60.1	12.5	49	0.2	95.2	57.4	519	11.80	2.2	0.2	1.6	1.6	88	0.2	0.5	<0.1
SMSRR003	Rock	0.91	<0.005	0.8	62.0	10.2	16	0.1	112.8	38.8	399	10.00	1.1	0.2	1.0	1.8	136	<0.1	0.3	<0.1
SMSRR004	Rock	0.97	<0.005	0.6	11.5	2.5	239	<0.1	20.0	8.1	924	2.44	5.1	0.1	0.8	0.4	212	5.2	0.2	<0.1
SMSRR005	Rock	1.15	0.005	1.0	43.5	9.1	80	0.1	110.2	40.2	1184	6.72	2.4	0.2	1.6	1.6	374	0.2	0.3	<0.1
SMSRR006	Rock	0.92	<0.005	0.2	59.6	1.9	45	<0.1	135.3	51.9	921	4.86	4.6	0.4	<0.5	1.6	157	<0.1	<0.1	<0.1
SMSRR007	Rock	1.40	<0.005	0.3	0.9	1.0	6	<0.1	17.7	2.1	769	0.70	7.2	0.1	<0.5	1.0	1000	<0.1	0.1	<0.1
SMSRR008	Rock	1.90	<0.005	0.3	107.4	16.5	88	<0.1	115.1	32.9	1004	3.18	194.5	0.3	<0.5	2.1	369	0.2	<0.1	<0.1
SMSRR009	Rock	2.06	<0.005	1.1	148.2	19.3	170	<0.1	201.9	56.3	873	6.70	89.0	0.6	<0.5	2.5	282	0.3	<0.1	<0.1



Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: Selwyn Recce
Report Date: July 21, 2011

Page: 4 of 4 Part 2

CERTIFICATE OF ANALYSIS

YKN11000153.1

	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	2X
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	W
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	3
RZSRR020	Rock	10.36	0.027	6	7	0.38	15	0.001	<20	0.36	0.007	0.20	<0.1	0.13	2.3	0.1	5.23	1	12.8	<0.2	<3
SMSRR001	Rock	4.01	0.240	20	155	0.79	17	0.008	<20	0.80	0.008	0.17	<0.1	0.13	8.0	<0.1	5.45	10	0.8	<0.2	<3
SMSRR002	Rock	3.72	0.226	23	219	0.76	13	0.008	<20	0.90	0.027	0.08	<0.1	0.07	8.8	<0.1	8.73	9	0.6	<0.2	<3
SMSRR003	Rock	3.99	0.255	22	163	0.42	15	0.009	<20	0.60	0.027	0.18	<0.1	0.06	9.3	<0.1	6.57	8	0.7	<0.2	<3
SMSRR004	Rock	25.07	0.051	14	91	0.17	41	0.003	<20	0.08	0.007	0.02	<0.1	0.03	2.7	<0.1	2.35	1	<0.5	<0.2	<3
SMSRR005	Rock	7.70	0.185	33	306	1.18	14	0.012	<20	0.98	0.030	0.05	<0.1	0.04	7.8	<0.1	5.25	7	<0.5	<0.2	<3
SMSRR006	Rock	12.58	0.143	19	245	3.49	107	0.005	<20	2.93	0.001	0.13	<0.1	<0.01	13.1	<0.1	0.15	9	<0.5	<0.2	<3
SMSRR007	Rock	19.13	0.025	18	34	4.05	37	<0.001	<20	0.05	0.007	0.01	<0.1	<0.01	7.1	<0.1	0.15	<1	<0.5	<0.2	<3
SMSRR008	Rock	13.25	0.153	13	185	3.97	1490	0.001	<20	0.65	0.004	0.17	<0.1	0.01	22.5	<0.1	0.16	3	<0.5	<0.2	<3
SMSRR009	Rock	5.95	0.187	22	389	3.38	2233	0.007	<20	1.91	0.003	0.19	<0.1	0.03	27.2	<0.1	0.15	9	<0.5	<0.2	<3



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: TerraLogic Exploration Inc.

Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Submitted By: Chris Gallagher

Receiving Lab: Canada-Yellowknife

Received: September 07, 2011

Report Date: November 14, 2011

Page: 1 of 3

CERTIFICATE OF ANALYSIS

YKN11000412.1

CLIENT JOB INFORMATION

Project: Selwyn Recce
Shipment ID: SR11-050
P.O. Number
Number of Samples: 49

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7
Canada

CC: Jesse Campbell

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-500	48	Crush, split and pulverize 500 g rock to 200 mesh			VAN
G601	49	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
1DX1	49	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
2X	49	Pressed Pellet XRF Analysis	6	Completed	VAN
7TD	20	4-acid Digestion ICP-ES Finish	0.5	Completed	VAN
7TD.1	9	4 Acid digestion ICP-ES analysis	0.1	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. "*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

TerraLogic Exploration Inc.

Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project:

Selwyn Recce

Report Date:

November 14, 2011

Page:

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Part 1

CERTIFICATE OF ANALYSIS

YKN11000412.1

Method Analyte	Unit MDL	WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1
AHSRR183	Rock	1.41	0.012	<0.1	483.3	>10000	>10000	50.6	7.8	6.8	271	1.54	37.2	<0.1	<0.5	<0.1	23	581.0	51.3	2.3
AHSRR184	Rock	1.50	0.028	<0.1	387.5	>10000	>10000	36.6	19.3	6.4	544	2.06	49.2	<0.1	<0.5	0.1	53	413.2	34.6	2.8
AHSRR185	Rock	1.58	<0.005	<0.1	706.1	>10000	>10000	30.7	8.9	6.6	569	2.07	32.7	0.1	<0.5	0.1	78	131.1	13.5	2.1
AHSRR186	Rock	1.33	<0.005	0.2	52.4	6954	>10000	1.0	8.8	1.4	352	1.05	9.4	0.1	<0.5	0.2	65	7.9	1.3	0.3
AHSRR187	Rock	1.45	0.016	<0.1	173.0	8798	>10000	2.7	3.2	4.0	523	1.38	7.4	<0.1	2.8	0.2	68	116.0	4.9	0.3
AHSRR188	Rock	3.13	0.009	0.1	524.7	>10000	>10000	5.9	14.0	8.3	693	2.03	47.6	<0.1	1.3	0.2	45	174.5	9.4	0.3
AHSRR189	Rock	4.15	0.007	<0.1	567.0	>10000	>10000	9.7	22.6	12.7	591	2.19	64.8	<0.1	<0.5	0.1	38	169.5	9.1	2.7
AHSRR190	Rock	4.08	0.008	<0.1	416.4	>10000	>10000	9.1	15.2	9.2	756	2.25	60.2	<0.1	<0.5	0.2	41	196.0	11.3	2.9
AHSRR191	Rock	2.51	<0.005	<0.1	8.0	1589	5725	0.2	4.1	0.6	869	1.84	4.8	<0.1	<0.5	0.2	65	7.4	0.5	0.3
BPSRR049	Rock	1.87	0.007	0.9	35.4	480.0	3356	0.2	21.8	15.8	1391	5.13	1.6	0.4	2.0	3.0	103	3.2	0.2	0.1
BPSRR050	Rock	1.13	<0.005	0.2	1.3	49.6	141	<0.1	1.3	0.2	50	0.40	<0.5	1.2	0.6	<0.1	77	0.3	<0.1	<0.1
BPSRR051	Rock	1.25	<0.005	0.2	5.8	77.1	596	<0.1	2.5	0.5	195	0.67	1.0	0.1	<0.5	0.3	145	0.5	<0.1	<0.1
BPSRR052	Rock	0.95	0.006	0.9	8.5	102.2	122	0.1	58.5	6.7	1835	2.10	33.3	0.6	<0.5	13.9	406	0.3	0.3	0.2
BPSRR053	Rock	1.92	<0.005	0.2	35.7	166.5	203	<0.1	116.1	26.9	1092	5.08	135.4	1.0	<0.5	7.4	365	0.4	1.1	<0.1
BPSRR054	Rock	1.84	0.022	0.3	43.0	>10000	>10000	>100	2.3	0.2	102	5.31	38.4	2.7	<0.5	0.1	<1	427.6	499.2	4.7
BPSRR055	Rock	1.04	0.006	0.3	6.3	3899	2643	1.4	0.8	0.5	209	1.13	3.0	0.4	1.9	<0.1	57	15.9	4.3	0.2
BPSRR056	Rock	1.90	0.019	1.0	225.2	>10000	>10000	>100	<0.1	0.5	20	5.62	158.0	0.5	30.0	<0.1	27	134.1	748.9	2.5
BPSRR057	Rock	1.49	0.005	0.2	424.0	>10000	>10000	21.5	1.1	0.4	535	2.20	237.2	0.7	1.1	<0.1	73	96.7	106.7	2.4
BPSRR058	Rock	1.22	0.006	0.1	4.0	472.0	294	0.6	0.9	0.5	268	0.53	6.9	0.3	1.9	<0.1	106	0.8	5.5	<0.1
BPSRR059	Rock	2.19	0.015	0.1	239.5	>10000	>10000	>100	<0.1	0.5	175	3.11	82.8	0.4	11.3	<0.1	4	1069	278.8	<0.1
BPSRR060	Rock	2.62	0.006	0.3	3.3	476.5	147	0.6	1.0	0.6	137	0.11	2.9	1.0	1.9	<0.1	84	1.3	1.4	<0.1
BPSRR061	Rock	2.16	0.006	0.1	2.5	192.8	189	0.2	0.6	0.5	100	0.17	2.9	0.9	1.7	<0.1	63	1.0	0.6	<0.1
BPSRR062	Rock	0.67	0.016	8.6	7.8	43.4	18	0.7	2.7	0.2	12	0.35	3.1	0.5	<0.5	0.7	6	0.1	3.1	0.1
BPSRR063	Rock	0.92	0.016	29.2	24.6	90.0	76	0.3	4.1	0.3	37	2.05	17.8	3.0	0.9	1.3	46	0.4	1.4	0.1
BPSRR064	Rock	0.98	0.006	13.3	22.8	352.3	2977	0.4	9.4	0.7	78	1.41	17.0	1.4	1.4	0.3	19	2.1	6.8	<0.1
BPSRR065	Rock	1.31	<0.005	20.9	40.7	70.5	881	0.1	111.5	9.4	141	1.31	5.2	2.1	<0.5	0.4	6	3.9	3.4	<0.1
BPSRR066	Rock	0.84	0.013	0.3	419.6	>10000	>10000	>100	1.7	0.8	73	0.58	10.4	0.6	<0.5	0.6	55	62.1	63.0	0.2
BPSRR067	Rock	1.28	0.005	0.2	2102	2900	>10000	3.2	2.9	0.9	225	0.74	12.4	0.3	<0.5	0.7	322	106.2	8.8	<0.1
BPSRR068	Rock	1.20	<0.005	0.2	8.9	1369	480	0.5	4.2	1.3	319	1.90	0.8	<0.1	<0.5	<0.1	2	1.0	0.3	<0.1
MVSRR115	Rock	1.83	<0.005	0.5	8.4	48.7	339	0.1	2.0	0.2	37	0.52	4.1	0.1	<0.5	0.3	4	1.0	0.4	<0.1



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: Selwyn Recce
Report Date: November 14, 2011

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CERTIFICATE OF ANALYSIS

YKN11000412.1

	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	2X
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	W
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	3
AHSRR183	Rock	3.69	<0.001	<1	33	1.94	4	<0.001	110	0.05	<0.001	<0.01	<0.1	>50	<0.1	0.2	>10	20	8.5	<0.2	<3
AHSRR184	Rock	7.11	0.002	<1	34	3.76	13	<0.001	132	0.06	<0.001	<0.01	<0.1	49.04	0.1	0.1	8.27	14	6.7	<0.2	<3
AHSRR185	Rock	8.77	0.004	<1	33	4.48	26	<0.001	88	0.08	<0.001	<0.01	<0.1	38.70	<0.1	0.2	4.87	17	13.5	0.4	<3
AHSRR186	Rock	5.17	0.001	<1	17	2.50	94	<0.001	<20	0.05	0.005	0.01	<0.1	3.28	1.1	<0.1	0.71	2	<0.5	<0.2	<3
AHSRR187	Rock	9.78	0.001	<1	6	4.08	10	<0.001	<20	0.03	0.006	<0.01	<0.1	29.43	1.3	<0.1	3.70	3	2.8	<0.2	<3
AHSRR188	Rock	12.49	0.001	<1	4	6.16	44	<0.001	<20	0.03	0.008	<0.01	<0.1	43.68	0.9	<0.1	4.59	3	3.4	<0.2	<3
AHSRR189	Rock	10.76	0.002	<1	33	5.69	22	<0.001	105	0.05	<0.001	<0.01	<0.1	>50	<0.1	<0.1	5.75	19	10.6	<0.2	<3
AHSRR190	Rock	11.29	0.006	<1	33	5.92	14	<0.001	132	0.06	<0.001	0.01	<0.1	49.65	<0.1	<0.1	6.70	16	9.7	<0.2	<3
AHSRR191	Rock	18.85	0.002	<1	4	9.32	51	<0.001	<20	0.04	0.013	0.01	<0.1	1.44	1.2	<0.1	0.11	<1	0.5	<0.2	<3
BPSRR049	Rock	2.48	0.182	34	8	2.04	265	0.302	<20	2.83	0.083	0.07	0.4	0.98	1.3	<0.1	0.13	17	<0.5	<0.2	<3
BPSRR050	Rock	5.75	<0.001	2	14	0.29	1310	<0.001	<20	0.01	0.002	<0.01	<0.1	0.04	0.6	<0.1	<0.05	<1	<0.5	<0.2	11
BPSRR051	Rock	22.07	0.001	11	2	8.63	20	0.001	<20	0.03	0.012	0.02	<0.1	0.16	1.2	<0.1	0.06	<1	<0.5	<0.2	<3
BPSRR052	Rock	16.08	0.208	126	154	7.65	156	0.004	<20	0.25	0.020	0.24	0.2	0.05	12.8	<0.1	<0.05	<1	<0.5	<0.2	<3
BPSRR053	Rock	11.80	0.167	120	70	3.54	64	0.010	<20	0.20	0.009	0.15	<0.1	0.14	19.8	<0.1	<0.05	<1	0.6	<0.2	9
BPSRR054	Rock	0.39	0.003	<1	29	0.18	<1	<0.001	82	0.03	<0.001	<0.01	<0.1	>50	<0.1	2.6	>10	17	9.1	<0.2	<3
BPSRR055	Rock	21.11	<0.001	1	6	12.29	65	<0.001	<20	0.02	0.014	<0.01	<0.1	0.26	<0.1	<0.1	0.70	<1	<0.5	<0.2	<3
BPSRR056	Rock	0.07	<0.001	1	48	<0.01	16	<0.001	<20	0.03	<0.001	0.01	<0.1	>50	0.5	1.2	>10	2	4.8	<0.2	<3
BPSRR057	Rock	19.16	<0.001	3	6	11.03	18	<0.001	<20	0.01	0.011	<0.01	<0.1	37.16	<0.1	<0.1	4.28	2	0.9	<0.2	<3
BPSRR058	Rock	23.34	<0.001	2	6	10.53	20	<0.001	<20	0.01	0.016	<0.01	<0.1	0.29	<0.1	<0.1	0.31	<1	<0.5	<0.2	<3
BPSRR059	Rock	1.19	<0.001	<1	52	0.68	3	<0.001	<20	0.02	<0.001	0.03	0.1	>50	<0.1	0.5	>10	11	6.4	<0.2	<3
BPSRR060	Rock	23.27	0.002	2	3	10.81	38	<0.001	<20	0.02	0.022	<0.01	<0.1	0.19	<0.1	<0.1	0.05	<1	<0.5	<0.2	<3
BPSRR061	Rock	22.41	0.001	2	5	11.79	26	<0.001	<20	0.01	0.023	<0.01	<0.1	0.13	<0.1	<0.1	<0.05	<1	<0.5	<0.2	<3
BPSRR062	Rock	0.09	0.005	<1	4	0.05	207	<0.001	<20	0.23	0.002	0.11	<0.1	0.11	0.7	0.3	0.11	<1	6.7	<0.2	5
BPSRR063	Rock	0.07	0.068	4	14	0.02	232	0.002	<20	0.14	0.005	0.31	0.2	0.07	0.7	0.7	0.61	2	3.1	<0.2	<3
BPSRR064	Rock	0.22	0.032	1	9	0.13	134	0.001	<20	0.09	0.004	0.05	<0.1	0.71	0.4	0.6	0.19	<1	1.6	<0.2	<3
BPSRR065	Rock	0.07	0.011	2	4	0.02	128	<0.001	<20	0.15	0.004	0.02	<0.1	0.11	0.6	0.3	<0.05	<1	2.5	<0.2	<3
BPSRR066	Rock	1.82	0.011	<1	1	0.26	14	<0.001	<20	0.08	<0.001	0.05	<0.1	5.67	0.6	<0.1	7.70	2	1.6	<0.2	<3
BPSRR067	Rock	22.03	0.008	8	1	1.14	102	<0.001	<20	0.04	0.003	0.02	<0.1	5.18	1.6	<0.1	2.10	2	<0.5	<0.2	<3
BPSRR068	Rock	0.07	0.001	<1	2	0.02	13	<0.001	<20	0.06	0.002	<0.01	<0.1	0.16	1.0	<0.1	<0.05	<1	<0.5	<0.2	<3
MVSRR115	Rock	0.03	0.003	<1	2	<0.01	322	<0.001	<20	0.03	0.002	0.01	<0.1	0.10	<0.1	<0.1	<0.05	<1	<0.5	<0.2	<3



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: TerraLogic Exploration Inc.

Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

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CERTIFICATE OF ANALYSIS

YKN11000412.1

	Method Analyte Unit MDL	7TD	7TD	7TD	7TD.1	7TD.1
		Pb	Zn	Ag	Pb	Zn
		%	%	gm/t	%	%
		0.02	0.01	2	0.02	0.01
AHSRR183	Rock	>10	31.23	55	24.20	33.15
AHSRR184	Rock	>10	22.19	45	21.53	23.53
AHSRR185	Rock	>10	22.47	33	12.40	23.50
AHSRR186	Rock	0.75	1.86	<2		
AHSRR187	Rock	0.95	14.05	3		
AHSRR188	Rock	2.53	21.88	7		
AHSRR189	Rock	3.21	27.09	12		
AHSRR190	Rock	2.72	24.30	10		
AHSRR191	Rock					
BPSRR049	Rock					
BPSRR050	Rock					
BPSRR051	Rock					
BPSRR052	Rock					
BPSRR053	Rock					
BPSRR054	Rock	>10	19.57	>300	46.52	20.23
BPSRR055	Rock					
BPSRR056	Rock	>10	6.01	>300	58.12	6.35
BPSRR057	Rock	1.08	4.83	21		
BPSRR058	Rock					
BPSRR059	Rock	>10	>40	242	21.28	44.85
BPSRR060	Rock					
BPSRR061	Rock					
BPSRR062	Rock					
BPSRR063	Rock					
BPSRR064	Rock					
BPSRR065	Rock					
BPSRR066	Rock	>10	3.85	106	44.92	3.69
BPSRR067	Rock	0.26	4.91	3		
BPSRR068	Rock					
MVSRR115	Rock					



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Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

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CERTIFICATE OF ANALYSIS

YKN11000412.1

	Method Analyte Unit MDL	WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1
MVSRR129	Rock	1.54	0.006	<0.1	209.0	36.3	32	0.1	2.2	0.6	164	0.21	34.3	0.1	<0.5	<0.1	329	0.2	16.0	<0.1
MVSRR130	Rock	1.52	<0.005	<0.1	2088	17.8	179	1.3	1.9	0.3	167	0.33	566.5	0.4	<0.5	<0.1	873	1.5	125.0	<0.1
JKSRR007	Rock	1.55	0.005	0.2	65.4	1178	4142	3.4	1.1	0.5	594	3.65	78.7	0.8	<0.5	<0.1	80	9.0	24.4	2.8
JKSRR008	Rock	1.04	<0.005	0.2	206.9	>10000	>10000	44.2	0.3	0.3	568	2.21	143.1	0.5	<0.5	<0.1	68	132.5	115.0	4.6
JKSRR009	Rock	1.47	0.005	0.4	66.3	>10000	>10000	>100	<0.1	<0.1	161	4.30	69.3	0.3	<0.5	<0.1	<1	920.4	179.5	3.6
JKSRR010	Rock	1.13	<0.005	0.2	30.4	>10000	2461	14.1	1.1	0.2	393	0.27	23.2	0.7	<0.5	<0.1	116	4.7	25.9	3.8
JKSRR011	Rock	1.56	0.006	0.2	91.0	>10000	>10000	34.8	0.6	0.4	528	3.50	114.7	0.5	<0.5	<0.1	68	36.5	69.6	4.6
JKSRR012	Rock	1.97	<0.005	0.3	275.5	>10000	>10000	>100	<0.1	<0.1	65	1.20	56.6	0.3	<0.5	<0.1	4	1375	461.4	2.3
JKSRR013	Rock	1.68	<0.005	0.8	12.1	>10000	>10000	71.1	0.5	<0.1	502	1.52	11.5	0.4	<0.5	<0.1	60	195.0	53.4	1.0
JKSRR014	Rock	0.82	0.007	4.7	8.5	4438	4675	5.6	11.8	2.6	235	1.81	16.8	2.5	<0.5	1.5	469	10.1	4.9	0.1
JKSRR015	Rock	0.77	0.006	7.1	11.2	330.2	291	0.7	24.7	8.1	215	7.21	23.3	0.6	<0.5	1.0	379	0.6	0.8	<0.1
SMSRR066	Rock	0.82	<0.005	2.2	3362	344.4	3368	0.7	47.1	36.8	369	>40	851.2	6.1	1.4	<0.1	19	3.9	18.1	<0.1
BPSRR064S	Rock Pulp	0.09	1.164	9.0	118.4	18.1	81	0.4	33.2	143.7	730	3.41	6160	1.9	1134	1.6	112	0.8	6.8	18.9
BPSRR069	Rock	1.24	0.008	4.3	9.8	61.2	63	0.2	2.3	3.4	2097	11.65	8.5	<0.1	<0.5	<0.1	164	0.1	1.0	<0.1
BPSRR070	Rock	1.16	<0.005	10.6	41.8	60.3	33	0.3	73.5	54.4	51	16.75	26.5	2.6	<0.5	4.2	29	0.1	0.5	<0.1
GHSRR016	Rock	1.25	<0.005	0.8	11.6	31.2	53	<0.1	2.0	13.1	122	5.15	2.5	0.2	1.5	3.4	35	<0.1	0.4	<0.1
SMSRR078	Rock	0.79	<0.005	0.2	1.7	82.0	71	<0.1	3.1	1.4	368	1.33	0.7	<0.1	0.8	<0.1	98	0.1	0.5	<0.1
SMSRR079	Rock	0.90	0.005	3.4	4.9	19.9	10	<0.1	11.1	1.6	90	3.67	23.4	1.7	<0.5	4.5	157	<0.1	0.5	<0.1
SMSRR080	Rock	1.12	<0.005	0.4	2.8	19.7	83	<0.1	12.7	2.6	139	0.63	2.5	1.0	<0.5	1.7	435	1.2	0.2	<0.1



Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: Selwyn Recce
Report Date: November 14, 2011

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CERTIFICATE OF ANALYSIS

YKN11000412.1

		Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
			Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	W
			%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
			0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	3
MVSRR129	Rock	17.35	0.008	<1	<1	9.63	2625	<0.001	<20	<0.01	0.020	<0.01	<0.1	0.23	0.3	<0.1	0.06	<1	<0.5	<0.2	<3	
MVSRR130	Rock	10.83	0.006	<1	<1	6.20	545	<0.001	<20	<0.01	0.014	<0.01	<0.1	1.87	0.2	<0.1	0.09	<1	<0.5	<0.2	10	
JKSRR007	Rock	18.39	<0.001	3	<1	10.23	14	<0.001	<20	<0.01	0.010	0.01	<0.1	5.43	<0.1	<0.1	3.85	<1	<0.5	<0.2	<3	
JKSRR008	Rock	16.76	<0.001	1	<1	9.16	43	<0.001	<20	0.01	0.009	0.01	<0.1	41.02	<0.1	0.2	4.66	1	0.6	<0.2	<3	
JKSRR009	Rock	0.26	<0.001	<1	<1	0.11	<1	<0.001	30	<0.01	<0.001	<0.01	<0.1	>50	0.1	0.5	>10	9	7.2	<0.2	<3	
JKSRR010	Rock	19.66	<0.001	2	<1	11.24	24	<0.001	<20	0.02	0.016	<0.01	<0.1	1.89	0.2	<0.1	0.23	<1	<0.5	<0.2	<3	
JKSRR011	Rock	17.00	<0.001	1	<1	9.51	23	<0.001	<20	0.01	0.009	0.01	<0.1	12.13	0.2	0.1	4.24	<1	<0.5	<0.2	<3	
JKSRR012	Rock	0.11	<0.001	<1	<1	<0.01	3	<0.001	<20	<0.01	<0.001	<0.01	<0.1	>50	<0.1	1.9	>10	28	7.5	<0.2	<3	
JKSRR013	Rock	14.37	<0.001	<1	2	8.34	60	<0.001	<20	<0.01	<0.001	<0.01	<0.1	>50	<0.1	0.1	6.65	5	<0.5	<0.2	<3	
JKSRR014	Rock	27.52	0.098	15	8	1.03	71	0.002	<20	0.62	0.006	0.05	<0.1	2.71	1.5	0.1	1.29	2	3.4	<0.2	<3	
JKSRR015	Rock	22.36	0.062	10	2	0.96	23	<0.001	<20	0.20	0.007	0.04	<0.1	0.34	1.1	<0.1	7.02	<1	1.8	<0.2	<3	
SMSRR066	Rock	0.49	0.013	<1	4	0.19	236	<0.001	<20	1.24	0.003	0.01	<0.1	0.91	0.9	<0.1	0.06	<1	1.5	<0.2	9	
BPSRR064S	Rock Pulp	4.45	0.083	9	27	0.42	64	0.071	<20	1.71	0.155	0.14	1.3	<0.01	2.5	<0.1	0.51	4	8.6	3.6	5	
BPSRR069	Rock	23.53	0.008	6	1	0.13	27	0.007	<20	0.02	0.010	<0.01	<0.1	0.10	0.4	0.2	8.24	<1	<0.5	<0.2	<3	
BPSRR070	Rock	0.50	0.175	21	4	0.14	4	0.013	<20	0.69	0.009	0.36	<0.1	0.09	2.5	0.3	>10	3	2.1	<0.2	13	
GHSRR016	Rock	0.92	0.256	38	<1	0.13	24	0.086	<20	0.89	0.022	0.48	<0.1	0.02	1.1	0.1	4.10	4	<0.5	<0.2	12	
SMSRR078	Rock	6.03	0.002	2	3	3.17	144	0.001	<20	0.02	0.004	0.01	<0.1	0.06	0.8	<0.1	<0.05	<1	<0.5	<0.2	<3	
SMSRR079	Rock	35.92	0.065	12	7	0.15	29	0.001	<20	0.07	0.005	0.03	<0.1	0.02	2.2	0.4	<0.05	<1	0.9	<0.2	<3	
SMSRR080	Rock	33.64	0.013	11	3	0.19	2926	<0.001	<20	0.14	0.005	0.10	<0.1	0.02	1.7	<0.1	<0.05	<1	0.7	<0.2	<3	



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Page: 3 of 3 **Part** 3

CERTIFICATE OF ANALYSIS

YKN11000412.1

	Method Analyte Unit MDL	7TD	7TD	7TD	7TD.1	7TD.1
		Pb	Zn	Ag	Pb	Zn
		%	%	gm/t	%	%
		0.02	0.01	2	0.02	0.01
MVSRR129	Rock					
MVSRR130	Rock					
JKSRR007	Rock					
JKSRR008	Rock	3.54	5.70	47		
JKSRR009	Rock	>10	>40	173	13.53	54.32
JKSRR010	Rock	1.32	0.12	13		
JKSRR011	Rock	2.89	1.74	37		
JKSRR012	Rock	>10	>40	287	25.49	44.78
JKSRR013	Rock	5.86	11.42	72		
JKSRR014	Rock					
JKSRR015	Rock					
SMSRR066	Rock					
BPSRR064S	Rock Pulp					
BPSRR069	Rock					
BPSRR070	Rock					
GHSRR016	Rock					
SMSRR078	Rock					
SMSRR079	Rock					
SMSRR080	Rock					

7.2 - Silt Samples



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: TerraLogic Exploration Inc.

Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Submitted By: Chris Gallagher

Receiving Lab: Canada-Yellowknife

Received: June 28, 2011

Report Date: July 19, 2011

Page: 1 of 7

CERTIFICATE OF ANALYSIS

YKN11000156.1

CLIENT JOB INFORMATION

Project: Selwyn Recce
Shipment ID: SR11-003
P.O. Number
Number of Samples: 164

SAMPLE DISPOSAL

RTRN-PLP Return
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7
Canada

CC: Jesse Campbell

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	141	Dry at 60C			YKN
SS80	141	Dry at 60C sieve 100g to -80 mesh			YKN
3A	125	Acid digest, Au by ICP-MS analysis	30	Completed	VAN
1DX1	141	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
2X	141	Pressed Pellet XRF Analysis	6	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. *** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

TerraLogic Exploration Inc.

Suite 200, 44 - 12th Ave. S.

Cranbrook BC V1C 2R7 Canada

Project:

Selwyn Recce

Report Date:

July 19, 2011

Page:

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Part 1

CERTIFICATE OF ANALYSIS

YKN11000156.1

	Method Analyte Unit MDL	3A	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.5	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2
SMSRS002	Silt	<0.5	2.1	12.5	17.6	54	<0.1	17.8	4.6	134	0.96	8.1	1.0	0.6	1.6	145	0.4	0.4	<0.1	12	17.10
SMSRS003	Silt	<0.5	0.8	32.6	39.3	104	<0.1	34.3	22.5	1125	3.41	7.2	0.8	1.2	4.8	36	0.1	0.1	0.4	11	2.16
SRL084 00+00	Soil	<0.5	6.0	49.3	16.0	229	0.6	109.8	14.9	274	3.64	16.2	1.0	<0.5	2.9	163	1.3	1.2	0.1	56	3.81
SRL084 00+50E	Soil	I.S.	4.3	51.5	20.4	211	0.7	103.5	17.1	380	4.25	15.6	1.0	0.6	2.2	68	1.1	1.0	0.1	75	1.43
SRL084 01+00E	Soil	1.6	4.8	55.1	17.4	220	0.6	100.0	21.4	447	4.53	16.0	1.0	<0.5	3.1	63	1.2	1.5	0.1	86	0.98
SRL084 01+50E	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
SRL084 02+00E	Soil	1.4	3.5	44.1	15.3	175	0.6	84.7	14.4	230	3.42	11.4	1.2	1.1	1.6	68	0.8	1.0	0.1	66	1.42
SRL084 02+50E	Soil	1.4	3.9	68.1	14.1	243	0.7	89.4	19.1	429	4.26	13.6	1.2	<0.5	2.2	85	2.0	1.4	0.1	103	1.63
SRL084 03+00E	Soil	3.9	8.1	148.1	16.1	560	1.6	96.9	22.1	484	4.52	18.3	2.2	3.0	3.4	83	4.4	4.2	0.1	210	1.28
SRL084 03+50E	Soil	2.9	4.6	95.8	16.3	475	1.1	73.3	17.6	381	3.95	12.9	1.4	1.9	1.6	84	2.9	2.9	0.2	158	1.65
SRL084 04+00E	Soil	2.3	4.2	72.7	14.2	317	1.1	54.1	14.4	340	3.04	11.7	2.0	1.2	1.8	68	1.6	2.8	0.1	146	1.40
SRL084 04+50E	Soil	2.7	5.1	59.9	24.4	412	1.4	42.5	11.5	343	2.94	14.1	4.0	<0.5	2.2	64	1.3	3.6	0.2	158	1.31
SRL084 05+00E	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
SRL085 00+00	Soil	5.5	20.5	223.4	114.2	613	2.4	111.8	25.0	411	3.88	79.4	2.4	4.2	2.5	116	6.5	8.4	0.2	79	5.34
SRL085 00+50W	Soil	3.3	7.3	157.7	98.6	291	1.2	140.6	63.7	695	5.87	52.4	1.8	3.7	7.2	305	1.3	5.4	0.3	88	6.02
SRL085 01+00W	Soil	2.2	3.4	160.0	330.6	225	0.6	202.4	76.5	781	8.33	71.0	1.2	2.1	4.5	138	0.6	3.0	<0.1	100	6.58
SRL085 01+50W	Soil	1.6	1.7	120.0	175.8	171	0.2	158.2	58.6	635	6.70	41.7	0.8	1.9	2.8	120	0.3	1.5	<0.1	96	7.24
SRL085 02+00W	Soil	2.5	2.9	186.0	57.2	169	0.2	199.2	71.0	810	7.48	41.8	0.8	2.6	2.5	109	0.3	1.8	<0.1	103	4.88
SRL085 02+50W	Soil	3.1	3.0	159.3	84.7	200	0.2	231.6	77.3	683	8.63	51.6	0.8	2.4	2.7	86	0.5	2.0	<0.1	120	4.40
SRL085 03+00W	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
SRL085 03+50W	Soil	1.4	13.2	52.4	230.9	304	0.8	74.1	11.6	232	2.38	64.0	2.4	0.8	2.3	90	2.8	4.3	0.2	45	8.22
SRL085 04+00W	Soil	1.2	10.0	79.5	97.2	315	1.8	104.0	11.3	202	1.82	85.8	2.6	2.0	1.1	114	3.2	3.1	0.2	81	11.11
SRL085 04+50W	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
MVSRS001	Silt	<0.5	3.8	29.8	26.2	143	0.3	48.3	9.3	222	1.88	18.8	1.9	<0.5	3.6	155	1.4	1.3	<0.1	38	13.99
MVSRS002	Silt	<0.5	1.5	16.1	35.7	91	0.1	15.4	7.0	291	1.66	9.5	0.5	<0.5	4.1	231	0.3	0.4	0.1	5	15.46
SRL084 05+50E	Soil	I.S.	4.5	71.8	46.2	367	1.3	35.2	7.5	237	2.43	12.2	3.5	2.9	0.9	87	3.0	3.9	0.1	115	2.31
SRL084 06+00E	Soil	I.S.	2.9	39.7	17.5	253	0.7	23.9	5.1	172	2.10	9.9	3.2	1.6	1.0	71	1.9	2.3	0.1	104	1.64
SRL084 06+50E	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
SRL084 07+00E	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
SRL084 07+50E	Soil	4.1	5.3	81.3	33.1	465	1.6	38.3	9.0	169	2.62	16.0	2.3	1.9	1.8	84	3.1	4.3	0.1	135	2.08



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Suite 200, 44 - 12th Ave. S.
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Report Date: July 19, 2011

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CERTIFICATE OF ANALYSIS

YKN11000156.1

Method Analyte Unit MDL		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	2X
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	W
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	3
SMSRS002	Silt	0.040	8	22	8.70	440	0.002	<20	0.24	0.017	0.10	<0.1	0.03	2.0	0.2	0.22	<1	<0.5	<0.2	<3
SMSRS003	Silt	0.042	9	18	1.40	71	0.001	<20	1.33	0.005	0.07	<0.1	0.02	3.5	<0.1	0.13	4	<0.5	<0.2	<3
SRL084 00+00	Soil	0.142	18	44	0.43	234	0.003	<20	0.71	0.006	0.21	<0.1	0.19	6.2	0.7	0.21	2	2.3	<0.2	<3
SRL084 00+50E	Soil	0.192	23	66	0.48	250	0.004	<20	0.96	0.009	0.26	<0.1	0.20	6.8	0.6	0.11	3	1.6	<0.2	<3
SRL084 01+00E	Soil	0.205	27	87	0.67	202	0.004	<20	1.02	0.005	0.21	<0.1	0.15	7.3	0.5	0.11	4	2.0	<0.2	<3
SRL084 01+50E	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
SRL084 02+00E	Soil	0.165	21	78	0.70	214	0.003	<20	1.03	0.006	0.18	<0.1	0.18	6.6	0.6	0.10	3	1.6	<0.2	<3
SRL084 02+50E	Soil	0.244	28	99	1.11	277	0.031	<20	1.28	0.004	0.20	<0.1	0.20	8.3	0.5	0.12	5	1.8	<0.2	<3
SRL084 03+00E	Soil	0.310	31	133	1.92	612	0.020	<20	1.94	0.005	0.18	<0.1	0.24	9.5	0.3	<0.05	8	2.6	<0.2	<3
SRL084 03+50E	Soil	0.183	26	103	2.04	549	0.035	<20	1.99	0.004	0.14	<0.1	0.17	7.9	0.5	0.11	8	2.1	<0.2	<3
SRL084 04+00E	Soil	0.161	23	74	2.09	417	0.018	<20	1.79	0.005	0.16	<0.1	0.16	6.0	0.4	0.14	6	2.2	<0.2	<3
SRL084 04+50E	Soil	0.124	25	53	2.47	279	0.009	<20	1.88	0.005	0.15	<0.1	0.14	4.8	0.5	0.13	8	3.4	<0.2	<3
SRL084 05+00E	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
SRL085 00+00	Soil	0.271	27	65	1.21	224	0.004	<20	0.80	0.004	0.22	<0.1	0.24	7.2	0.5	0.14	3	4.9	<0.2	<3
SRL085 00+50W	Soil	0.389	63	100	1.21	291	0.006	<20	1.17	0.004	0.27	<0.1	0.16	9.3	0.5	0.14	4	1.6	<0.2	<3
SRL085 01+00W	Soil	0.355	38	163	1.93	268	0.006	<20	1.79	0.004	0.24	<0.1	0.11	14.5	0.3	0.17	6	0.7	<0.2	<3
SRL085 01+50W	Soil	0.297	23	233	1.94	284	0.005	<20	1.78	0.003	0.25	<0.1	0.06	14.7	0.2	0.13	6	0.7	<0.2	<3
SRL085 02+00W	Soil	0.304	35	193	2.25	201	0.005	<20	1.78	0.005	0.15	<0.1	0.10	15.2	0.2	0.32	6	0.9	<0.2	<3
SRL085 02+50W	Soil	0.248	25	259	2.27	203	0.004	<20	2.11	0.003	0.17	<0.1	0.07	15.5	0.3	0.33	7	1.3	<0.2	<3
SRL085 03+00W	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
SRL085 03+50W	Soil	0.166	20	29	2.78	128	0.003	<20	0.52	0.007	0.19	<0.1	0.18	4.0	0.7	0.09	2	1.7	<0.2	<3
SRL085 04+00W	Soil	0.232	15	19	1.52	143	0.004	<20	0.51	0.008	0.20	<0.1	0.21	2.1	0.6	0.23	1	3.2	<0.2	<3
SRL085 04+50W	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
MVSRS001	Silt	0.147	18	44	5.11	204	0.003	<20	0.60	0.010	0.17	<0.1	0.06	3.5	0.2	0.20	2	1.2	<0.2	<3
MVSRS002	Silt	0.047	9	9	2.93	420	0.002	<20	0.29	0.007	0.10	<0.1	0.04	3.7	0.1	0.12	<1	0.7	<0.2	<3
SRL084 05+50E	Soil	0.124	18	44	1.64	311	0.007	<20	1.16	0.006	0.11	<0.1	0.15	3.8	0.2	0.23	5	3.9	<0.2	<3
SRL084 06+00E	Soil	0.089	19	36	1.91	275	0.011	<20	1.50	0.014	0.13	<0.1	0.09	3.2	0.3	0.18	5	2.8	<0.2	<3
SRL084 06+50E	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
SRL084 07+00E	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
SRL084 07+50E	Soil	0.119	22	44	2.37	252	0.008	<20	1.58	0.006	0.18	<0.1	0.14	4.2	0.4	0.21	6	3.7	<0.2	<3



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: TerraLogic Exploration Inc.

Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Submitted By: Chris Gallagher

Receiving Lab: Canada-Yellowknife

Received: July 02, 2011

Report Date: August 01, 2011

Page: 1 of 17

CERTIFICATE OF ANALYSIS

YKN11000167.1

CLIENT JOB INFORMATION

Project: Selwyn Recce
Shipment ID: SR11-006
P.O. Number
Number of Samples: 453

SAMPLE DISPOSAL

RTRN-PLP Return
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7
Canada

CC: Jesse Campbell

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	431	Dry at 60C			YKN
SS80	431	Dry at 60C sieve 100g to -80 mesh			YKN
3A	398	Acid digest, Au by ICP-MS analysis	30	Completed	VAN
1DX1	426	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
2X	431	Pressed Pellet XRF Analysis	6	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: Selwyn Recce
Report Date: August 01, 2011

Page: 3 of 17 Part 1

CERTIFICATE OF ANALYSIS

YKN11000167.1

Method Analyte Unit MDL		3A	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.5	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
SRL087 04+00 N	Soil	<0.5	15.8	43.3	16.0	586	0.7	86.7	7.5	180	1.83	18.7	2.6	1.1	3.6	249	6.7	7.2	0.1	174	6.43
SRL087 04+50 N	Soil	1.3	15.5	52.6	13.5	706	0.9	106.0	9.5	200	2.19	21.4	2.5	1.4	2.1	87	7.2	7.2	0.1	175	1.34
SRL087 05+00 N	Soil	<0.5	9.6	32.2	10.8	390	0.3	60.3	4.7	132	0.96	10.6	2.5	1.1	0.2	135	6.9	5.4	0.1	83	3.23
SRL087 05+50 N	Soil	1.4	15.9	46.7	11.9	572	0.8	95.0	8.2	193	2.03	18.8	2.2	1.1	2.7	295	7.1	6.4	0.2	164	6.73
SRL087 06+00 N	Soil	0.6	14.3	36.4	12.0	497	0.6	79.1	6.6	129	1.79	16.4	2.0	1.2	2.7	305	5.6	6.2	0.1	152	7.11
SRL087 06+50 N	Soil	<0.5	15.4	65.6	12.0	594	0.8	110.5	7.9	153	2.17	20.0	2.0	1.3	2.4	208	7.0	6.5	0.1	191	4.20
SRL087 07+00 N	Soil	<0.5	29.1	49.2	13.7	699	0.9	157.7	8.3	114	2.02	26.1	2.7	<0.5	4.3	615	6.0	7.1	0.1	175	10.14
AHSRS073	Silt	<0.5	2.1	22.3	22.8	68	0.1	23.9	13.1	468	2.15	9.2	0.6	0.7	4.4	98	0.2	0.7	0.2	11	10.85
AHSRS074	Silt	<0.5	1.0	7.6	170.5	201	0.2	8.7	1.9	95	0.50	7.9	1.2	<0.5	0.9	166	0.6	1.5	<0.1	20	21.96
LJSRS223	Silt	<0.5	0.9	18.0	27.1	59	<0.1	17.9	12.2	417	2.05	9.6	0.5	<0.5	2.5	127	0.3	0.6	0.3	9	11.94
LJSRS224	Silt	1.3	1.2	22.8	20.5	84	0.1	21.2	14.1	387	2.33	10.4	0.5	2.3	2.8	109	0.3	0.8	0.3	10	8.41
SRL093 00+50 E	Soil	2.1	2.7	13.7	6.6	157	0.2	37.8	2.3	104	0.56	5.5	2.9	<0.5	<0.1	392	2.1	0.6	0.2	23	6.78
SRL093 01+00 E	Soil	<0.5	3.4	10.7	14.1	95	<0.1	27.2	6.4	108	2.35	10.3	0.5	<0.5	2.5	52	0.7	0.4	0.2	64	0.71
SRL093 01+50 E	Soil	<0.5	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
SRL093 02+00 E	Soil	0.5	3.0	11.8	13.6	107	0.2	38.1	7.8	144	1.91	10.5	1.2	<0.5	1.5	106	0.9	0.6	0.1	45	2.09
SRL093 02+50 E	Soil	I.S.	1.8	10.4	7.3	84	<0.1	16.6	2.9	161	0.69	5.1	1.3	<0.5	0.1	175	0.7	0.5	0.1	6	3.12
SRL093 03+00 E	Soil	<0.5	1.6	8.5	6.6	54	<0.1	37.3	4.9	103	1.13	8.9	0.8	<0.5	0.9	942	0.4	0.3	<0.1	16	19.55
SRL093 03+50 E	Soil	<0.5	1.4	6.8	5.0	44	<0.1	36.1	3.9	97	0.92	7.4	0.8	<0.5	0.5	1152	0.2	0.2	<0.1	6	24.92
SRL093 04+00 E	Soil	<0.5	1.9	10.2	6.0	71	0.1	46.0	4.7	106	1.09	8.0	0.8	<0.5	0.5	884	0.4	0.3	<0.1	12	18.39
SRL093 04+50 E	Soil	I.S.	2.3	12.4	10.7	78	0.2	30.7	5.2	152	1.49	9.3	1.5	1.2	0.2	209	0.8	0.6	0.1	33	6.02
SRL093 05+00 E	Soil	I.S.	2.0	17.6	10.5	130	0.2	49.1	6.4	161	1.55	8.6	1.5	<0.5	0.3	142	1.0	0.6	0.1	24	2.85
SRL093 05+50 E	Soil	<0.5	1.6	10.2	8.6	50	<0.1	33.2	4.7	130	1.16	7.1	0.8	<0.5	0.4	476	0.5	0.4	0.1	17	14.98
SRL093 06+00 E	Soil	I.S.	2.2	15.8	10.6	108	0.2	41.6	5.5	150	1.65	8.6	3.5	<0.5	0.2	92	0.7	0.8	0.1	33	2.47
SRL093 06+50 E	Soil	0.6	1.6	15.0	9.2	106	0.2	34.5	5.4	146	1.44	8.3	1.3	0.7	0.3	96	0.7	0.6	0.1	27	2.78
SRL093 07+00 E	Soil	1.3	1.5	14.8	8.7	88	0.1	44.6	5.6	121	1.49	7.8	1.2	<0.5	0.5	128	0.6	0.4	0.2	<2	3.48
SRL093 07+50 E	Soil	I.S.	1.6	13.2	8.5	48	<0.1	33.9	5.3	133	1.44	9.1	0.8	<0.5	0.9	422	0.6	0.4	0.1	15	12.42
SRL093 08+00 E	Soil	0.9	2.2	16.7	11.8	108	0.2	46.3	7.1	144	1.83	9.5	0.9	<0.5	1.1	108	0.9	0.7	0.2	27	3.65
SRL093 08+50 E	Soil	2.5	2.3	14.4	16.2	119	0.2	44.5	6.4	133	2.14	11.7	1.0	<0.5	0.5	82	1.1	0.6	0.2	25	2.70
SRL093 09+00 E	Soil	I.S.	1.9	16.0	10.2	81	0.2	33.5	6.2	174	1.63	7.9	1.3	<0.5	0.3	144	1.1	0.6	0.2	19	4.42
SRL093 09+50 E	Soil	<0.5	2.4	15.4	14.5	88	0.1	41.6	7.7	151	2.22	13.5	0.8	<0.5	1.1	227	0.9	0.5	0.2	20	9.23



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: Selwyn Recce
Report Date: August 01, 2011

Page: 3 of 17 Part 2

CERTIFICATE OF ANALYSIS

YKN11000167.1

	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	2X
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
SRL087 04+00 N	Soil	0.156	15	29	1.02	671	0.004	<20	0.64	0.006	0.14	<0.1	0.15	4.0	0.8	0.09	2	4.6	<0.2
SRL087 04+50 N	Soil	0.114	16	36	0.39	501	0.005	<20	0.89	0.008	0.17	0.1	0.13	3.7	1.0	0.05	3	4.8	<0.2
SRL087 05+00 N	Soil	0.117	6	13	0.19	545	0.002	<20	0.39	0.015	0.06	<0.1	0.07	0.6	0.4	0.22	1	4.5	<0.2
SRL087 05+50 N	Soil	0.129	13	30	0.76	886	0.007	<20	0.85	0.007	0.17	0.1	0.13	3.7	1.0	0.06	2	3.5	<0.2
SRL087 06+00 N	Soil	0.126	13	27	0.68	923	0.007	<20	0.75	0.005	0.13	<0.1	0.08	3.3	0.6	<0.05	2	3.8	<0.2
SRL087 06+50 N	Soil	0.133	17	37	0.59	864	0.005	<20	0.96	0.006	0.17	0.1	0.16	4.3	1.0	0.05	2	3.4	<0.2
SRL087 07+00 N	Soil	0.066	12	26	0.26	639	0.004	<20	0.58	0.004	0.14	0.1	0.13	3.9	1.6	<0.05	2	4.2	<0.2
AHSRS073	Silt	0.059	7	9	3.54	740	0.002	<20	0.47	0.008	0.16	<0.1	0.04	3.8	0.1	0.08	1	<0.5	<0.2
AHSRS074	Silt	0.020	4	4	9.32	524	0.002	<20	0.16	0.015	0.04	<0.1	0.16	1.0	<0.1	0.10	<1	<0.5	<0.2
LJSRS223	Silt	0.048	5	6	2.81	708	0.002	<20	0.26	0.004	0.09	<0.1	0.11	2.7	<0.1	0.13	<1	<0.5	<0.2
LJSRS224	Silt	0.068	5	7	2.22	689	0.001	<20	0.31	0.004	0.11	<0.1	0.16	3.0	<0.1	0.10	1	0.6	<0.2
SRL093 00+50 E	Soil	0.087	12	16	0.22	200	0.002	<20	0.28	0.007	0.03	<0.1	0.10	0.3	0.3	0.13	<1	3.3	<0.2
SRL093 01+00 E	Soil	0.014	10	22	0.23	450	0.002	<20	1.27	0.003	0.05	<0.1	0.02	3.0	0.4	<0.05	4	0.9	<0.2
SRL093 01+50 E	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SRL093 02+00 E	Soil	0.038	13	25	0.49	355	0.002	<20	0.98	0.005	0.07	0.2	0.06	2.8	0.4	<0.05	3	0.8	<0.2
SRL093 02+50 E	Soil	0.069	4	9	0.11	272	0.005	<20	0.44	0.013	0.04	<0.1	0.10	0.7	0.2	0.13	1	0.7	<0.2
SRL093 03+00 E	Soil	0.039	10	12	0.84	317	<0.001	<20	0.33	0.005	0.07	<0.1	0.03	1.9	0.2	<0.05	<1	0.7	<0.2
SRL093 03+50 E	Soil	0.044	11	11	0.75	128	<0.001	<20	0.24	0.005	0.07	<0.1	0.02	1.6	0.2	<0.05	<1	0.7	<0.2
SRL093 04+00 E	Soil	0.052	12	12	0.57	202	<0.001	<20	0.35	0.006	0.07	<0.1	0.04	1.4	0.2	<0.05	<1	1.1	<0.2
SRL093 04+50 E	Soil	0.075	9	18	0.46	592	0.002	<20	0.70	0.013	0.10	<0.1	0.07	0.9	0.2	0.13	2	1.0	<0.2
SRL093 05+00 E	Soil	0.080	10	16	0.26	453	0.002	<20	0.64	0.019	0.08	<0.1	0.10	0.9	0.3	0.13	2	2.1	<0.2
SRL093 05+50 E	Soil	0.053	12	14	0.53	324	0.002	<20	0.48	0.011	0.08	<0.1	0.03	1.2	0.2	0.07	1	0.9	<0.2
SRL093 06+00 E	Soil	0.075	7	15	0.24	394	0.002	<20	0.73	0.017	0.07	<0.1	0.09	1.0	0.3	0.13	2	1.7	<0.2
SRL093 06+50 E	Soil	0.076	8	13	0.29	450	0.002	<20	0.60	0.013	0.07	<0.1	0.09	1.1	0.2	0.09	2	1.0	<0.2
SRL093 07+00 E	Soil	0.064	7	<1	0.43	369	<0.001	<20	0.51	0.010	0.09	<0.1	0.06	1.4	0.1	0.07	1	1.1	<0.2
SRL093 07+50 E	Soil	0.055	7	10	1.36	350	0.001	<20	0.40	0.007	0.06	<0.1	0.05	2.0	0.1	0.05	1	1.0	<0.2
SRL093 08+00 E	Soil	0.061	9	17	0.53	385	0.002	<20	0.70	0.007	0.10	<0.1	0.10	2.6	0.2	<0.05	2	1.2	<0.2
SRL093 08+50 E	Soil	0.067	9	18	0.31	250	0.002	<20	0.68	0.010	0.09	<0.1	0.08	1.5	0.2	0.09	2	1.3	<0.2
SRL093 09+00 E	Soil	0.061	5	14	0.36	290	0.002	<20	0.64	0.012	0.06	<0.1	0.06	1.2	0.2	0.07	2	1.3	<0.2
SRL093 09+50 E	Soil	0.056	6	15	0.69	241	<0.001	<20	0.73	0.008	0.08	<0.1	0.07	2.5	0.2	0.06	2	1.3	<0.2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: TerraLogic Exploration Inc.

Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Submitted By: Chris Gallagher

Receiving Lab: Canada-Yellowknife

Received: September 15, 2011

Report Date: November 07, 2011

Page: 1 of 6

CERTIFICATE OF ANALYSIS

YKN11000467.1

CLIENT JOB INFORMATION

Project: Selwyn Recce
Shipment ID: SR11-049
P.O. Number
Number of Samples: 131

SAMPLE DISPOSAL

RTRN-PLP Return
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7
Canada

CC: Jesse Campbell

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	131	Dry at 60C			YKN
SS80	131	Dry at 60C sieve 100g to -80 mesh			YKN
1DX3	129	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
2X	131	Pressed Pellet XRF Analysis	6	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: Selwyn Recce
Report Date: November 07, 2011

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CERTIFICATE OF ANALYSIS

YKN11000467.1

	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
JKSRS037	Silt	12.6	55.9	23.7	237	0.9	40.3	10.0	178	2.54	22.8	1.3	2.5	3.6	56	2.3	3.5	0.2	44	3.25	0.175
JKSRS038	Silt	4.9	46.5	16.8	148	0.5	29.2	10.1	255	2.31	13.0	0.9	2.3	2.7	132	1.3	1.8	0.2	46	7.10	0.127
JKSRS018	Silt	1.0	2.3	13.1	62	<0.1	6.4	1.1	44	0.16	1.6	0.9	<0.5	0.4	70	0.3	0.2	<0.1	9	23.73	0.006
JKSRS019	Silt	1.2	2.5	12.2	51	<0.1	6.8	1.1	45	0.17	1.6	1.0	<0.5	0.4	209	0.3	0.2	<0.1	10	24.60	0.007
JKSRS020	Silt	0.9	3.2	8.9	32	<0.1	5.5	1.8	75	0.27	2.1	1.1	<0.5	0.6	1756	0.2	0.2	<0.1	11	24.78	0.013
JKSRS021	Silt	0.8	3.0	2.9	22	<0.1	4.8	1.4	60	0.24	2.0	1.3	<0.5	0.5	1269	<0.1	0.2	<0.1	11	24.52	0.012
JKSRS022	Silt	0.8	2.9	7.0	27	<0.1	4.5	1.5	65	0.29	1.9	1.5	<0.5	0.6	2102	0.2	0.2	<0.1	5	21.64	0.010
JKSRS023	Silt	0.8	3.1	3.4	24	<0.1	4.5	1.6	57	0.29	2.2	1.5	1.1	0.6	1420	0.1	0.2	<0.1	4	22.92	0.011
JKSRS024	Silt	0.5	2.2	2.2	17	<0.1	3.1	1.2	42	0.20	1.3	2.0	0.8	0.4	836	<0.1	0.1	<0.1	3	21.92	0.008
JKSRS025	Silt	0.5	2.2	2.1	26	<0.1	4.4	1.3	42	0.23	1.5	1.6	<0.5	0.6	84	<0.1	0.1	<0.1	2	22.11	0.008
KCSRS067	Silt	0.4	17.7	28.5	69	<0.1	18.9	12.5	405	1.99	7.0	0.5	1.6	3.0	83	0.1	0.6	0.3	5	10.35	0.036
KCSRS068	Silt	0.3	17.4	23.9	69	<0.1	18.6	11.6	440	2.01	5.8	0.5	<0.5	3.3	62	0.2	0.6	0.2	6	8.58	0.035
KCSRS069	Silt	0.4	16.8	37.3	105	<0.1	17.4	11.4	438	1.86	6.0	0.5	<0.5	3.3	59	0.1	0.6	0.2	5	8.25	0.034
KCSRS070	Silt	0.4	6.4	14.8	25	<0.1	7.7	4.0	294	1.10	5.5	0.5	1.0	1.8	56	<0.1	0.9	<0.1	3	16.87	0.018
KCSRS071	Silt	0.5	21.4	24.4	70	<0.1	23.1	13.7	453	2.35	8.3	0.5	0.8	4.2	59	<0.1	0.6	0.3	7	7.43	0.040
KCSRS072	Silt	0.7	19.3	21.6	62	<0.1	21.8	13.0	463	2.14	7.4	0.6	0.9	4.6	67	<0.1	0.5	0.2	8	7.32	0.044
SMSRS067	Silt	0.5	11.1	12.3	23	<0.1	10.6	5.6	257	1.18	4.6	0.4	<0.5	2.6	70	<0.1	0.4	0.1	4	12.93	0.022
SMSRS068	Silt	0.5	19.8	16.5	26	<0.1	18.4	12.0	390	1.82	7.3	0.3	<0.5	5.0	83	<0.1	0.6	0.2	7	9.25	0.041
SMSRS069	Silt	0.5	16.5	17.0	38	<0.1	16.7	10.0	459	1.82	5.4	0.4	<0.5	5.2	91	<0.1	0.2	0.2	7	9.95	0.040
SMSRS070	Silt	0.4	16.3	14.0	34	<0.1	17.2	10.6	422	1.81	4.8	0.4	1.0	4.7	67	<0.1	0.2	0.2	8	8.10	0.038
SMSRS071	Silt	0.3	14.2	11.0	18	<0.1	13.6	9.0	299	1.48	4.6	0.3	0.6	5.2	128	<0.1	0.1	0.1	6	11.28	0.035
SMSRS072	Silt	0.5	17.5	14.8	29	<0.1	17.2	10.5	373	1.80	4.9	0.4	0.5	5.0	67	<0.1	0.2	0.2	8	8.11	0.038
SMSRS073	Silt	0.6	16.6	16.0	46	<0.1	16.0	9.3	483	1.83	4.4	0.4	1.1	3.4	47	0.1	0.3	0.2	11	9.82	0.036
SMSRS074	Silt	0.5	18.0	15.1	28	<0.1	17.4	10.3	381	1.75	4.7	0.4	0.6	5.5	73	<0.1	0.2	0.2	7	9.36	0.045
SMSRS075	Silt	1.0	5.8	7.9	28	<0.1	14.0	4.4	182	1.05	2.8	0.7	<0.5	2.7	367	0.2	0.2	<0.1	6	25.89	0.023
SMSRS076	Silt	1.0	6.4	8.0	27	<0.1	15.2	4.8	196	1.12	2.5	0.7	<0.5	2.5	362	0.1	0.2	<0.1	6	25.80	0.023
SMSRS077	Silt	1.1	7.0	8.9	28	<0.1	17.3	4.8	178	1.18	2.6	0.7	<0.5	2.8	299	0.1	0.3	<0.1	7	21.22	0.028
SMSRS078	Silt	0.9	5.0	6.4	20	<0.1	11.5	3.4	152	0.80	1.5	0.6	0.5	2.9	316	0.1	0.1	<0.1	5	22.16	0.017
SMSRS082	Silt	2.0	5.3	5.7	215	<0.1	38.7	7.2	149	0.44	2.6	0.8	<0.5	0.4	56	1.8	0.4	<0.1	11	19.35	0.013
SMSRS083	Silt	2.9	6.6	7.2	154	<0.1	29.0	5.5	142	0.60	3.3	1.2	<0.5	1.1	150	1.4	0.6	<0.1	14	23.28	0.021



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: Selwyn Recce
Report Date: November 07, 2011

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CERTIFICATE OF ANALYSIS

YKN11000467.1

	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	2X
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te	W
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	3
JKSRS037	Silt	16	9	0.59	766	0.002	6	0.48	0.003	0.17	<0.1	0.11	3.5	0.3	0.06	1	2.5	<0.2	<3
JKSRS038	Silt	15	15	1.35	279	0.003	6	0.81	0.005	0.16	<0.1	0.07	3.5	0.2	<0.05	2	1.0	<0.2	<3
JKSRS018	Silt	1	3	11.24	369	<0.001	2	0.09	0.011	0.03	<0.1	0.02	0.4	<0.1	0.08	<1	<0.5	<0.2	<3
JKSRS019	Silt	1	3	10.73	347	0.001	3	0.10	0.010	0.03	<0.1	<0.01	0.4	<0.1	0.09	<1	<0.5	<0.2	<3
JKSRS020	Silt	3	5	9.73	258	0.002	4	0.14	0.017	0.04	<0.1	<0.01	0.7	<0.1	0.10	<1	<0.5	<0.2	<3
JKSRS021	Silt	3	4	10.26	95	0.003	5	0.16	0.019	0.04	<0.1	<0.01	0.6	<0.1	0.10	<1	<0.5	<0.2	<3
JKSRS022	Silt	3	4	9.41	105	0.003	5	0.15	0.017	0.05	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	0.2	<3
JKSRS023	Silt	3	4	9.59	102	0.003	7	0.17	0.017	0.06	<0.1	<0.01	0.6	<0.1	0.06	<1	0.5	<0.2	<3
JKSRS024	Silt	2	3	10.77	62	0.002	6	0.10	0.020	0.04	<0.1	<0.01	0.4	<0.1	0.07	<1	<0.5	<0.2	<3
JKSRS025	Silt	2	3	10.44	347	0.001	6	0.12	0.019	0.05	<0.1	<0.01	0.5	<0.1	0.08	<1	0.5	<0.2	<3
KCSRS067	Silt	3	7	3.75	192	0.001	5	0.32	0.006	0.09	<0.1	0.14	2.7	<0.1	0.13	<1	0.6	<0.2	<3
KCSRS068	Silt	3	7	3.19	143	0.001	3	0.33	0.005	0.09	<0.1	0.17	3.0	<0.1	0.07	1	<0.5	<0.2	<3
KCSRS069	Silt	4	6	3.56	193	0.001	3	0.32	0.006	0.09	<0.1	0.22	3.0	<0.1	<0.05	<1	<0.5	<0.2	<3
KCSRS070	Silt	2	4	8.24	46	<0.001	4	0.15	0.012	0.05	<0.1	0.06	1.6	<0.1	<0.05	<1	0.5	<0.2	<3
KCSRS071	Silt	4	8	2.92	182	0.001	3	0.46	0.006	0.11	<0.1	0.17	3.6	<0.1	0.06	1	0.5	<0.2	<3
KCSRS072	Silt	5	8	2.70	175	0.001	5	0.42	0.005	0.12	<0.1	0.10	4.0	<0.1	<0.05	1	<0.5	<0.2	<3
SMSRS067	Silt	5	4	6.06	82	0.002	5	0.22	0.009	0.10	<0.1	0.03	2.3	<0.1	<0.05	<1	<0.5	<0.2	<3
SMSRS068	Silt	9	7	2.31	142	0.001	7	0.38	0.007	0.16	<0.1	0.03	4.2	<0.1	<0.05	1	<0.5	<0.2	<3
SMSRS069	Silt	8	8	3.00	144	0.002	6	0.38	0.007	0.15	<0.1	0.03	4.0	<0.1	<0.05	1	<0.5	<0.2	<3
SMSRS070	Silt	9	8	2.52	171	0.002	7	0.44	0.005	0.16	<0.1	0.03	3.7	<0.1	<0.05	1	<0.5	<0.2	<3
SMSRS071	Silt	8	6	2.86	144	0.001	5	0.31	0.008	0.16	<0.1	0.02	4.0	<0.1	<0.05	1	<0.5	<0.2	<3
SMSRS072	Silt	8	7	2.54	198	0.001	5	0.45	0.006	0.16	<0.1	0.03	3.7	<0.1	<0.05	1	<0.5	<0.2	<3
SMSRS073	Silt	9	8	5.30	101	0.002	5	0.37	0.007	0.12	<0.1	0.03	3.0	<0.1	<0.05	1	0.6	<0.2	<3
SMSRS074	Silt	10	7	3.40	191	0.002	6	0.41	0.008	0.17	<0.1	0.03	3.9	<0.1	<0.05	1	<0.5	<0.2	<3
SMSRS075	Silt	8	5	0.57	73	0.001	3	0.24	0.004	0.06	<0.1	0.02	1.6	<0.1	<0.05	<1	0.8	<0.2	<3
SMSRS076	Silt	8	5	0.55	79	0.001	3	0.25	0.004	0.05	<0.1	0.02	1.6	<0.1	<0.05	<1	<0.5	<0.2	<3
SMSRS077	Silt	8	6	0.60	58	0.002	4	0.30	0.004	0.07	<0.1	0.01	1.8	<0.1	<0.05	<1	0.7	<0.2	<3
SMSRS078	Silt	6	4	1.14	38	0.002	4	0.21	0.004	0.05	<0.1	0.03	1.7	<0.1	<0.05	<1	<0.5	<0.2	<3
SMSRS082	Silt	2	4	9.49	245	0.002	2	0.21	0.006	0.03	<0.1	0.03	0.6	0.2	<0.05	<1	<0.5	<0.2	<3
SMSRS083	Silt	4	5	5.81	973	0.001	4	0.22	0.006	0.05	<0.1	0.02	1.0	0.2	<0.05	<1	0.9	<0.2	<3



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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Suite 200, 44 - 12th Ave. S.
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CERTIFICATE OF ANALYSIS

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	Method	Analyte	Unit	MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
SMSRS084	Silt				3.5	7.4	7.4	129	<0.1	26.2	4.8	157	0.73	3.7	1.2	0.7	1.4	200	1.3	1.2	<0.1	14	25.16	0.024
BPSRS098	Silt				0.5	17.0	18.3	50	<0.1	18.3	11.5	433	1.95	7.2	0.5	<0.5	3.3	64	<0.1	0.9	0.2	6	7.56	0.038
BPSRS099	Silt				0.4	8.9	10.5	22	<0.1	9.7	5.5	160	1.14	6.2	0.3	<0.5	2.0	37	<0.1	0.8	0.1	5	5.19	0.026
BPSRS100	Silt				0.7	16.7	28.6	52	<0.1	16.9	10.0	400	1.82	8.8	0.5	<0.5	3.3	68	<0.1	1.0	0.1	7	9.55	0.043
BPSRS101	Silt				0.5	16.1	14.8	35	<0.1	18.1	10.4	367	2.03	7.7	0.6	<0.5	4.0	86	<0.1	0.5	0.2	7	9.16	0.042
BPSRS102	Silt				0.4	18.0	13.4	22	<0.1	14.2	9.4	344	1.69	5.4	0.4	0.6	3.4	63	<0.1	0.5	0.2	6	8.58	0.033
BPSRS103	Silt				0.5	17.4	12.7	17	<0.1	13.5	9.4	330	1.66	5.0	0.4	<0.5	3.5	76	<0.1	0.4	0.2	7	9.49	0.031
BPSRS104	Silt				0.5	16.4	12.9	20	<0.1	14.1	9.3	296	1.54	5.0	0.3	<0.5	4.1	83	<0.1	0.5	0.1	6	10.78	0.032
BPSRS105	Silt				0.7	12.4	33.3	159	<0.1	13.7	7.0	352	1.81	11.3	0.6	<0.5	3.7	85	0.2	2.0	0.2	8	12.25	0.044
BPSRS106	Silt				0.5	20.6	21.6	61	<0.1	22.5	13.4	483	2.32	9.0	0.4	<0.5	3.3	53	<0.1	1.3	0.2	9	7.47	0.038
BPSRS107	Silt				0.5	20.5	19.0	56	<0.1	21.5	13.8	453	2.36	9.8	0.3	0.6	3.0	53	<0.1	2.1	0.2	9	7.29	0.034
BPSRS108	Silt				0.5	20.7	21.6	60	<0.1	22.8	14.2	487	2.37	8.9	0.4	<0.5	3.2	64	<0.1	1.0	0.2	10	7.10	0.038
SMSRS079	Silt				1.2	8.9	9.5	40	<0.1	20.4	5.7	222	1.34	4.3	0.8	1.3	1.9	270	0.2	0.3	0.2	10	19.60	0.048
SMSRS080	Silt				1.6	9.7	9.6	64	<0.1	20.3	5.1	189	1.41	5.7	1.1	0.8	1.1	205	0.4	0.4	0.1	14	22.94	0.077
SMSRS081	Silt				1.3	8.5	9.2	28	<0.1	19.6	5.8	242	1.45	4.6	0.6	0.9	3.4	296	0.1	0.3	0.1	8	16.45	0.033
AUSRS121	Silt				2.6	5.7	6.1	120	<0.1	21.2	3.6	146	0.58	3.5	1.2	0.8	1.0	203	1.3	0.5	<0.1	13	26.73	0.020
DFSR081	Silt				10.3	31.0	26.0	103	0.3	35.1	11.8	292	2.57	15.3	1.3	1.2	4.6	54	0.7	1.2	0.2	21	5.50	0.066
DFSR082	Silt				0.8	19.9	15.4	51	<0.1	22.9	13.8	465	2.30	5.5	0.3	<0.5	5.5	88	0.1	0.4	0.2	11	8.80	0.058
DFSR083	Silt				0.4	8.2	15.4	26	<0.1	10.2	5.5	443	1.30	3.1	0.2	<0.5	6.6	119	<0.1	0.1	0.1	5	12.79	0.081
DFSR084	Silt				0.4	13.8	13.0	30	<0.1	14.3	9.0	372	1.65	3.7	0.3	0.7	4.7	124	<0.1	0.1	0.1	6	13.19	0.041
DFSR085	Silt				0.4	12.4	10.9	26	<0.1	14.4	8.6	371	1.65	3.4	0.3	1.0	5.2	154	<0.1	0.1	0.2	6	15.10	0.037
DFSR086	Silt				0.4	12.7	11.8	27	<0.1	14.1	8.6	374	1.62	3.6	0.3	1.0	5.1	142	<0.1	0.1	0.1	5	13.91	0.039
DFSR087	Silt				0.4	10.8	8.9	20	<0.1	12.4	6.9	331	1.54	3.3	0.2	<0.5	4.5	154	<0.1	<0.1	0.1	5	15.75	0.034
DFSR088	Silt				0.6	21.0	15.4	24	<0.1	17.0	12.1	453	1.77	4.6	0.3	1.5	4.3	87	<0.1	0.2	0.2	7	10.71	0.039
DFSR089	Silt				0.5	19.9	13.5	28	<0.1	16.3	12.7	424	1.78	2.8	0.3	0.5	5.5	84	<0.1	0.1	0.2	6	9.23	0.050
DFSR090	Silt				0.6	22.3	15.1	37	<0.1	18.2	11.9	395	2.15	5.2	0.3	0.7	4.1	98	0.1	0.2	0.2	9	9.90	0.051
DFSR091	Silt				6.8	31.7	18.9	122	0.5	27.2	9.4	297	2.16	10.5	1.5	<0.5	4.5	175	1.2	1.6	0.1	27	9.36	0.101
DFSR092	Silt				5.3	29.6	19.6	111	0.4	24.8	10.0	314	2.19	9.9	1.2	<0.5	4.4	147	0.9	1.4	0.2	23	9.48	0.099
DFSR093	Silt				4.6	25.8	16.9	91	0.4	21.7	8.9	314	1.96	8.5	1.1	<0.5	4.4	149	0.9	1.2	0.1	20	10.33	0.086
AUSRS089	Silt				0.5	14.9	15.3	42	<0.1	14.0	9.6	489	1.81	5.2	0.4	0.6	2.4	104	0.2	0.4	0.2	8	13.47	0.032



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: Selwyn Recce
Report Date: November 07, 2011

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	2X
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te	W
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	3
SMSRS084	Silt	5	3	3.40	541	<0.001	4	0.18	0.005	0.05	<0.1	0.02	1.2	0.2	<0.05	<1	1.2	<0.2	<3
BPSRS098	Silt	4	5	2.52	166	0.001	4	0.27	0.005	0.10	<0.1	0.10	3.5	<0.1	<0.05	<1	<0.5	<0.2	<3
BPSRS099	Silt	2	4	2.22	164	0.002	3	0.14	0.004	0.06	<0.1	0.07	2.1	<0.1	<0.05	<1	<0.5	<0.2	<3
BPSRS100	Silt	4	6	3.78	183	<0.001	5	0.25	0.007	0.09	<0.1	0.16	3.7	<0.1	<0.05	<1	<0.5	<0.2	<3
BPSRS101	Silt	3	6	2.38	156	<0.001	3	0.27	0.005	0.09	<0.1	0.06	4.2	<0.1	<0.05	<1	<0.5	<0.2	<3
BPSRS102	Silt	5	4	3.04	124	0.002	4	0.21	0.005	0.11	<0.1	0.08	3.8	<0.1	<0.05	<1	<0.5	<0.2	<3
BPSRS103	Silt	5	4	3.01	151	0.001	4	0.22	0.006	0.12	<0.1	0.09	3.8	<0.1	<0.05	<1	<0.5	<0.2	<3
BPSRS104	Silt	5	5	2.98	178	0.001	6	0.27	0.007	0.12	<0.1	0.06	4.0	<0.1	<0.05	<1	<0.5	<0.2	<3
BPSRS105	Silt	4	7	4.64	78	0.001	3	0.19	0.007	0.06	<0.1	0.44	3.3	<0.1	<0.05	<1	<0.5	<0.2	<3
BPSRS106	Silt	4	7	2.86	225	0.002	4	0.37	0.005	0.11	<0.1	0.14	4.0	<0.1	<0.05	1	<0.5	<0.2	<3
BPSRS107	Silt	3	7	2.51	237	0.003	3	0.35	0.004	0.12	<0.1	0.28	4.3	<0.1	0.09	1	<0.5	<0.2	<3
BPSRS108	Silt	4	7	2.26	210	0.001	4	0.39	0.004	0.12	<0.1	0.14	4.1	<0.1	<0.05	1	<0.5	<0.2	<3
SMSRS079	Silt	12	8	0.43	65	0.003	4	0.37	0.004	0.06	<0.1	0.02	1.9	0.1	<0.05	<1	<0.5	<0.2	<3
SMSRS080	Silt	15	10	0.59	74	0.004	3	0.39	0.004	0.06	<0.1	0.03	1.6	0.1	<0.05	<1	<0.5	<0.2	<3
SMSRS081	Silt	11	7	0.26	62	0.003	3	0.33	0.004	0.06	<0.1	<0.01	2.1	<0.1	<0.05	<1	<0.5	<0.2	4
AUSRS121	Silt	5	4	4.52	796	0.001	2	0.15	0.005	0.04	<0.1	0.01	1.0	0.2	<0.05	<1	<0.5	<0.2	<3
DFSRS081	Silt	5	7	0.59	216	<0.001	4	0.24	0.003	0.12	<0.1	0.06	3.9	0.6	0.24	<1	0.8	<0.2	<3
DFSRS082	Silt	11	11	0.58	189	0.003	7	0.76	0.005	0.17	<0.1	0.02	4.3	0.1	<0.05	2	<0.5	<0.2	I.S.
DFSRS083	Silt	9	7	3.13	106	0.001	5	0.27	0.009	0.10	<0.1	<0.01	3.1	<0.1	<0.05	<1	<0.5	<0.2	<3
DFSRS084	Silt	8	6	3.65	108	0.002	4	0.29	0.008	0.09	<0.1	<0.01	3.7	<0.1	<0.05	<1	<0.5	<0.2	<3
DFSRS085	Silt	7	7	3.66	111	0.001	5	0.30	0.008	0.09	<0.1	0.02	3.9	<0.1	<0.05	<1	<0.5	<0.2	<3
DFSRS086	Silt	8	7	3.66	121	0.001	4	0.30	0.008	0.09	<0.1	0.01	3.9	<0.1	<0.05	<1	<0.5	<0.2	<3
DFSRS087	Silt	6	6	4.25	123	0.001	4	0.25	0.008	0.07	<0.1	0.01	3.5	<0.1	<0.05	<1	<0.5	<0.2	<3
DFSRS088	Silt	11	6	4.41	97	0.002	5	0.26	0.010	0.12	<0.1	0.03	4.1	<0.1	<0.05	<1	<0.5	<0.2	<3
DFSRS089	Silt	14	6	2.53	179	0.002	5	0.36	0.007	0.14	<0.1	0.01	4.2	<0.1	<0.05	1	<0.5	<0.2	<3
DFSRS090	Silt	11	8	1.99	139	0.002	6	0.36	0.007	0.14	<0.1	0.01	4.6	<0.1	<0.05	1	<0.5	<0.2	<3
DFSRS091	Silt	10	8	1.79	260	0.002	4	0.48	0.005	0.11	<0.1	0.03	3.7	0.2	0.10	1	1.3	<0.2	<3
DFSRS092	Silt	10	8	2.09	276	0.002	5	0.48	0.005	0.14	<0.1	0.04	3.8	0.2	0.14	1	1.3	<0.2	<3
DFSRS093	Silt	9	8	2.44	258	0.002	6	0.42	0.006	0.12	<0.1	0.03	3.6	0.1	0.08	1	0.7	<0.2	<3
AUSRS089	Silt	5	6	5.29	251	0.002	3	0.30	0.007	0.09	<0.1	0.05	2.9	<0.1	0.07	<1	<0.5	<0.2	<3



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

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	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
AUSRS090	Silt	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AUSRS091	Silt	0.8	18.1	18.9	52	<0.1	17.6	10.9	562	2.02	6.6	0.5	<0.5	3.1	93	0.1	0.6	0.3	9	11.14
AUSRS092	Silt	0.4	19.2	47.1	142	<0.1	18.6	12.8	703	2.40	6.4	0.4	0.6	3.0	58	0.4	0.8	0.2	11	8.43
AUSRS093	Silt	0.8	18.2	18.3	54	<0.1	17.3	10.4	509	1.98	7.1	0.5	<0.5	3.1	98	0.1	0.5	0.2	10	11.36
AUSRS094	Silt	0.8	16.6	18.1	48	<0.1	15.4	9.9	467	1.91	7.1	0.5	<0.5	2.8	98	0.2	0.6	0.2	10	12.44
AUSRS095	Silt	0.7	16.6	16.9	48	<0.1	15.8	9.3	452	1.85	6.9	0.5	0.7	3.2	94	0.2	0.6	0.2	10	11.52
AUSRS096	Silt	0.8	17.9	24.7	63	<0.1	18.7	10.2	359	2.23	12.7	0.5	<0.5	3.1	165	0.2	1.6	0.2	10	11.39
AUSRS097	Silt	0.7	21.5	19.2	62	<0.1	19.6	11.6	532	2.19	7.1	0.5	1.0	3.2	95	0.2	0.6	0.2	11	10.33
AUSRS098	Silt	0.9	21.0	17.9	62	<0.1	18.4	10.8	523	2.12	6.9	0.5	<0.5	3.5	87	0.1	0.5	0.2	13	9.42
AUSRS099	Silt	0.9	19.7	16.5	56	0.1	17.2	9.7	453	1.87	6.5	0.5	0.9	3.4	106	0.2	0.5	0.2	12	10.22
AUSRS100	Silt	0.8	15.7	18.9	47	<0.1	15.7	8.4	371	1.77	7.5	0.5	<0.5	3.1	96	0.1	0.5	0.2	9	12.01
AUSRS101	Silt	1.0	21.4	20.3	70	<0.1	18.2	10.8	514	2.10	7.5	0.5	0.7	3.5	102	0.2	0.6	0.2	13	10.44
AUSRS102	Silt	0.8	19.0	27.6	110	<0.1	14.8	8.1	792	2.01	6.8	0.4	0.7	2.7	37	0.3	0.6	0.2	14	8.75
AUSRS103	Silt	1.4	22.8	16.7	58	0.1	17.6	9.8	415	1.96	6.5	0.6	0.7	4.3	138	0.3	0.5	0.2	14	10.58
AUSRS104	Silt	0.8	24.9	28.5	78	<0.1	26.0	15.5	669	2.69	9.1	0.5	<0.5	5.8	54	0.2	0.4	0.3	12	5.04
AUSRS105	Silt	1.1	26.4	22.6	88	0.1	24.3	13.2	522	2.47	8.2	0.5	<0.5	5.2	114	0.2	0.4	0.2	14	8.34
AUSRS106	Silt	0.4	16.6	11.0	21	<0.1	14.3	8.7	369	1.76	4.6	0.3	0.8	3.9	111	<0.1	0.2	0.2	6	12.65
AUSRS107	Silt	0.5	1.9	7.0	54	<0.1	3.4	0.9	88	0.14	1.2	1.0	0.8	0.2	63	0.3	<0.1	<0.1	6	21.73
AUSRS108	Silt	0.5	1.7	6.1	44	<0.1	2.4	1.3	82	0.21	1.6	1.0	<0.5	0.1	65	0.3	<0.1	<0.1	6	21.19
AUSRS109	Silt	0.5	1.9	5.6	41	<0.1	4.8	1.5	86	0.25	1.9	0.9	<0.5	0.2	64	0.2	<0.1	<0.1	6	21.62
AUSRS110	Silt	0.5	1.7	5.9	49	<0.1	4.1	1.4	92	0.23	2.1	0.9	<0.5	0.1	65	0.2	<0.1	<0.1	7	23.00
AUSRS111	Silt	0.5	1.7	5.2	45	<0.1	3.9	1.5	89	0.24	2.0	0.9	<0.5	0.2	65	0.2	<0.1	<0.1	7	22.87
AUSRS112	Silt	0.8	2.6	7.3	59	<0.1	4.6	1.8	93	0.31	2.8	1.0	<0.5	0.2	62	0.2	0.1	<0.1	8	22.50
AUSRS113	Silt	0.5	1.8	4.2	43	<0.1	3.4	1.4	89	0.24	2.5	0.9	<0.5	0.2	66	0.2	<0.1	<0.1	7	22.58
AUSRS114	Silt	0.4	1.8	4.6	43	<0.1	4.7	1.5	95	0.24	2.7	0.9	<0.5	0.2	62	0.3	<0.1	<0.1	7	21.79
AUSRS115	Silt	0.3	1.7	3.2	40	<0.1	4.8	1.5	86	0.24	1.9	0.8	<0.5	0.2	65	0.2	<0.1	<0.1	6	21.68
AUSRS116	Silt	0.6	3.0	8.0	40	<0.1	4.1	1.8	82	0.29	3.3	0.9	<0.5	0.3	69	0.3	<0.1	<0.1	7	21.58
AUSRS117	Silt	0.3	1.8	4.1	43	<0.1	6.3	1.8	72	0.25	1.7	0.6	<0.5	0.2	57	0.2	0.1	<0.1	6	22.00
AUSRS118	Silt	0.6	2.2	3.6	29	<0.1	5.1	2.0	77	0.31	2.4	1.0	<0.5	0.4	71	0.2	<0.1	<0.1	6	21.51
AUSRS119	Silt	0.4	1.6	3.0	26	<0.1	4.6	1.5	64	0.23	2.3	0.9	<0.5	0.2	73	0.1	<0.1	<0.1	5	21.78



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	2X
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te	W
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	3
AUSRS090	Silt	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	<3
AUSRS091	Silt	7	7	4.51	513	0.003	5	0.40	0.007	0.12	<0.1	0.05	3.1	<0.1	<0.05	1	<0.5	<0.2	<3
AUSRS092	Silt	6	9	2.60	235	0.002	4	0.50	0.006	0.16	<0.1	0.25	4.2	<0.1	<0.05	1	<0.5	<0.2	<3
AUSRS093	Silt	7	7	4.73	289	0.002	4	0.42	0.007	0.11	<0.1	0.05	3.3	<0.1	<0.05	1	<0.5	<0.2	<3
AUSRS094	Silt	6	7	5.30	311	0.002	4	0.37	0.007	0.10	<0.1	0.05	2.9	<0.1	<0.05	1	<0.5	<0.2	<3
AUSRS095	Silt	6	7	4.99	257	0.002	4	0.37	0.007	0.11	<0.1	0.05	3.1	<0.1	<0.05	1	<0.5	<0.2	<3
AUSRS096	Silt	6	9	2.58	131	0.002	5	0.40	0.007	0.13	<0.1	0.14	4.2	0.1	<0.05	1	<0.5	<0.2	<3
AUSRS097	Silt	6	8	4.65	298	0.002	5	0.46	0.007	0.12	<0.1	0.06	3.5	<0.1	<0.05	1	<0.5	<0.2	I.S.
AUSRS098	Silt	8	9	4.24	268	0.002	5	0.49	0.007	0.14	<0.1	0.05	3.7	<0.1	<0.05	1	<0.5	<0.2	<3
AUSRS099	Silt	8	8	4.20	217	0.002	5	0.44	0.007	0.12	<0.1	0.04	3.6	<0.1	<0.05	1	<0.5	<0.2	<3
AUSRS100	Silt	5	11	5.82	163	0.001	5	0.32	0.009	0.10	<0.1	0.04	3.5	<0.1	<0.05	<1	<0.5	<0.2	<3
AUSRS101	Silt	8	8	4.45	374	0.002	5	0.49	0.007	0.13	<0.1	0.08	3.7	<0.1	<0.05	1	<0.5	<0.2	<3
AUSRS102	Silt	10	8	5.45	263	0.003	7	0.45	0.007	0.12	<0.1	0.10	2.9	<0.1	<0.05	1	<0.5	<0.2	<3
AUSRS103	Silt	11	8	2.94	109	0.003	6	0.48	0.007	0.15	<0.1	0.05	4.1	<0.1	<0.05	2	<0.5	<0.2	<3
AUSRS104	Silt	13	11	2.17	117	0.002	5	0.59	0.006	0.17	<0.1	0.05	5.2	0.1	<0.05	2	<0.5	<0.2	<3
AUSRS105	Silt	11	10	2.28	127	0.002	6	0.61	0.006	0.16	<0.1	0.05	4.8	<0.1	<0.05	2	<0.5	<0.2	<3
AUSRS106	Silt	7	6	3.21	111	0.002	5	0.31	0.007	0.14	<0.1	0.05	4.0	<0.1	<0.05	<1	<0.5	<0.2	<3
AUSRS107	Silt	<1	2	12.16	81	0.001	2	0.07	0.011	0.02	<0.1	0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2	<3
AUSRS108	Silt	<1	3	10.94	66	<0.001	1	0.05	0.010	0.01	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2	<3
AUSRS109	Silt	<1	3	11.60	146	<0.001	1	0.06	0.010	0.01	<0.1	0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2	<3
AUSRS110	Silt	<1	3	12.64	56	<0.001	1	0.06	0.012	0.01	<0.1	0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2	<3
AUSRS111	Silt	<1	3	12.54	88	<0.001	2	0.07	0.012	0.02	<0.1	0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2	<3
AUSRS112	Silt	1	3	12.30	47	0.002	2	0.10	0.011	0.01	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2	<3
AUSRS113	Silt	<1	3	12.79	115	<0.001	2	0.07	0.013	0.01	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2	<3
AUSRS114	Silt	<1	3	12.27	101	<0.001	1	0.06	0.011	0.01	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2	<3
AUSRS115	Silt	<1	3	12.59	106	0.002	2	0.07	0.014	0.01	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2	<3
AUSRS116	Silt	1	3	11.97	233	0.001	3	0.10	0.017	0.02	0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2	<3
AUSRS117	Silt	<1	3	12.81	376	<0.001	2	0.10	0.013	0.02	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2	<3
AUSRS118	Silt	1	3	12.22	183	0.001	3	0.12	0.015	0.04	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2	<3
AUSRS119	Silt	<1	3	12.58	133	<0.001	3	0.08	0.015	0.02	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2	<3

7.3 - Soil Samples



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: TerraLogic Exploration Inc.

Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Submitted By: Chris Gallagher

Receiving Lab: Canada-Yellowknife

Received: June 28, 2011

Report Date: July 19, 2011

Page: 1 of 7

CERTIFICATE OF ANALYSIS

YKN11000156.1

CLIENT JOB INFORMATION

Project: Selwyn Recce
Shipment ID: SR11-003
P.O. Number
Number of Samples: 164

SAMPLE DISPOSAL

RTRN-PLP Return
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7
Canada

CC: Jesse Campbell

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	141	Dry at 60C			YKN
SS80	141	Dry at 60C sieve 100g to -80 mesh			YKN
3A	125	Acid digest, Au by ICP-MS analysis	30	Completed	VAN
1DX1	141	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
2X	141	Pressed Pellet XRF Analysis	6	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. *** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: Selwyn Recce
Report Date: July 19, 2011

Page: 5 of 7 Part 1

CERTIFICATE OF ANALYSIS

YKN11000156.1

	Method Analyte Unit MDL	3A	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.5	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
SRL083 10+00E	Soil	<0.5	3.1	38.9	9.5	135	0.5	32.9	6.8	167	1.94	7.9	1.4	2.6	0.5	102	1.8	2.2	0.1	73	2.48
SRL083 10+50E	Soil	2.1	4.6	37.9	15.0	195	0.4	45.8	16.2	573	3.93	10.0	1.3	1.5	0.4	48	1.3	1.9	0.1	153	0.85
SRL083 11+00E	Soil	1.2	4.9	61.1	14.9	277	0.7	73.9	19.3	454	4.56	13.3	1.9	2.5	1.7	75	2.2	2.1	0.1	152	1.09
SRL083 11+50E	Soil	I.S.	2.8	33.3	15.4	182	0.4	27.9	12.2	386	3.23	11.2	0.9	2.7	1.0	82	1.1	1.1	0.1	54	1.31
SRL083 12+00E	Soil	<0.5	3.1	42.6	17.9	168	0.6	30.3	14.0	433	3.73	14.5	0.8	2.4	1.7	79	1.0	0.9	0.1	43	1.12
SRL083 12+50E	Soil	1.3	4.8	42.6	14.5	208	0.6	37.0	8.9	216	2.76	12.2	4.4	3.9	0.8	116	1.4	1.8	0.2	98	1.71
SRL083 13+00E	Soil	<0.5	4.1	32.2	19.3	153	0.4	25.0	13.0	486	3.42	13.5	0.9	1.8	1.0	71	0.6	0.7	0.2	52	0.90
SRL083 13+50E	Soil	2.0	4.5	39.8	22.3	162	0.4	30.8	16.7	486	3.89	17.3	0.9	2.6	2.0	61	0.6	0.7	0.2	48	0.77
SRL083 14+00E	Soil	<0.5	3.4	38.0	17.2	154	0.4	29.6	12.9	399	3.03	14.5	0.7	1.8	1.5	349	1.2	0.9	0.1	32	6.26
SRL083 14+50E	Soil	3.5	5.3	99.6	18.4	274	0.9	97.8	31.4	675	5.76	14.3	1.3	3.5	2.7	209	2.3	1.7	0.1	159	3.88
SRL083 15+00E	Soil	<0.5	3.1	30.6	15.3	141	0.5	27.9	14.1	485	3.72	12.6	0.6	1.7	0.8	139	0.8	1.1	0.1	37	2.48
SRL083 15+50E	Soil	18.1	2.7	32.2	13.4	116	0.5	22.9	10.4	391	2.80	15.0	1.0	4.3	0.7	100	1.1	0.9	0.1	42	1.62
SRL083 16+00E	Soil	2.6	3.3	32.9	18.1	190	0.5	32.8	13.3	450	3.32	12.4	0.9	3.3	1.1	86	1.3	1.5	0.2	84	1.36
SRL083 16+50E	Soil	<0.5	1.7	19.9	8.8	85	0.1	18.1	7.2	254	1.36	4.8	0.7	1.7	0.2	164	0.6	0.5	<0.1	24	3.13
SRL083 17+00E	Soil	1.0	2.9	48.3	26.0	145	0.3	59.4	23.3	511	4.24	11.7	0.8	2.1	2.9	151	0.4	0.4	0.1	94	2.29
SRL083 17+50E	Soil	0.8	2.6	28.1	19.4	178	0.3	23.9	12.5	456	3.13	10.6	1.1	1.5	0.9	99	0.8	0.7	0.1	46	1.57
SRL083 18+00E	Soil	1.7	3.1	41.6	21.0	163	0.4	34.1	16.1	447	3.59	12.4	1.2	2.4	1.3	93	0.7	0.8	0.2	57	1.32
AHSRS070	Silt	7.1	12.7	222.0	34.8	1191	1.2	167.7	43.5	734	7.61	38.9	4.0	3.6	4.4	147	8.6	3.4	0.2	248	3.41
AHSRS071	Silt	<0.5	4.7	47.1	31.2	187	0.4	31.8	9.7	252	2.23	12.8	1.7	0.9	3.7	141	1.6	1.1	0.2	41	8.01
AHSRS072	Silt	1.7	5.0	44.6	21.5	184	0.4	29.7	9.5	266	2.30	12.8	1.8	1.3	4.1	165	1.7	1.0	0.2	38	8.70
DFSRS002	Silt	4.2	8.5	189.6	13.5	981	1.1	127.8	27.2	535	5.29	19.2	2.8	0.8	4.1	196	7.3	3.4	0.1	202	4.09
DFSRS003	Silt	0.8	8.9	99.6	13.8	1027	0.6	132.2	25.5	569	3.50	13.9	2.9	0.8	3.5	194	8.5	2.9	0.1	130	4.82
RZSRD001	Soil	3.6	4.0	161.6	14.0	248	0.2	195.8	94.5	633	4.22	305.7	0.9	3.7	3.8	153	0.3	0.1	<0.1	145	6.33
RZSRD002	Soil	8.4	2.8	215.2	13.9	170	0.3	213.5	110.2	1085	10.26	14.1	0.7	7.1	2.9	202	0.5	0.2	<0.1	321	2.33
RZSRD003	Soil	2.0	23.0	176.4	208.9	286	0.4	293.0	103.5	1402	14.08	477.7	0.9	1.4	4.8	143	1.0	7.6	<0.1	78	1.88
RZSRS001	Silt	<0.5	7.2	71.5	192.8	396	1.2	46.4	9.4	284	2.08	73.2	2.6	1.4	4.1	194	2.5	7.0	<0.1	67	11.19
RZSRS002	Silt	1.4	2.9	24.5	45.2	118	0.2	27.4	11.9	334	2.44	12.7	1.0	1.2	3.8	132	0.5	0.4	0.2	12	10.47
RZSRS003	Silt	<0.5	2.6	23.2	46.2	105	0.2	23.0	10.1	325	2.23	12.5	1.1	1.2	3.9	138	0.4	0.4	0.2	12	10.56
RZSRS004	Silt	I.S.	2.3	19.4	31.3	99	0.2	18.2	7.1	284	1.68	9.9	0.7	0.9	3.0	292	0.6	0.5	0.1	15	17.04
SMSRS001	Silt	<0.5	1.9	12.5	14.8	49	<0.1	17.2	4.5	139	0.96	6.6	1.1	<0.5	1.7	168	0.4	0.4	<0.1	11	16.60



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

TerraLogic Exploration Inc.

Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project:

Selwyn Recce

Report Date:

July 19, 2011

Page:

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Part 2

CERTIFICATE OF ANALYSIS

YKN11000156.1

Method Analyte Unit MDL		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	2X
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	W
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	3
SRL083 10+00E	Soil	0.167	18	44	0.78	861	0.008	<20	0.99	0.007	0.08	<0.1	0.09	2.1	0.2	0.20	3	1.7	<0.2	<3
SRL083 10+50E	Soil	0.202	16	104	1.47	1138	0.037	<20	1.79	0.009	0.13	<0.1	0.05	2.7	0.3	0.15	8	1.3	<0.2	<3
SRL083 11+00E	Soil	0.182	27	126	2.09	925	0.060	<20	2.12	0.008	0.14	<0.1	0.08	6.3	0.3	0.09	8	1.7	<0.2	<3
SRL083 11+50E	Soil	0.128	21	26	0.67	445	0.004	<20	1.19	0.013	0.14	<0.1	0.12	5.0	0.1	0.12	4	1.2	<0.2	<3
SRL083 12+00E	Soil	0.141	23	19	0.49	371	0.004	<20	0.99	0.008	0.14	<0.1	0.17	6.9	0.2	0.05	3	1.7	<0.2	<3
SRL083 12+50E	Soil	0.183	18	46	0.64	928	0.006	<20	1.42	0.006	0.11	<0.1	0.12	3.5	0.3	0.16	4	2.4	<0.2	<3
SRL083 13+00E	Soil	0.165	21	24	0.34	595	0.004	<20	1.28	0.005	0.11	<0.1	0.13	4.4	0.2	0.06	4	1.1	<0.2	<3
SRL083 13+50E	Soil	0.139	26	23	0.42	587	0.003	<20	1.17	0.005	0.11	<0.1	0.16	6.6	0.2	<0.05	3	1.2	<0.2	<3
SRL083 14+00E	Soil	0.148	19	18	0.66	335	0.004	<20	0.73	0.006	0.12	<0.1	0.19	5.5	0.2	<0.05	2	1.1	<0.2	<3
SRL083 14+50E	Soil	0.246	33	151	2.81	1225	0.113	<20	2.20	0.009	0.15	<0.1	0.15	8.3	0.4	<0.05	9	2.1	<0.2	<3
SRL083 15+00E	Soil	0.098	25	24	0.73	432	0.010	<20	1.12	0.004	0.10	<0.1	0.19	5.7	0.2	0.10	3	1.2	<0.2	<3
SRL083 15+50E	Soil	0.143	21	20	0.57	572	0.003	<20	1.16	0.010	0.11	<0.1	0.14	4.3	0.2	0.14	3	1.2	<0.2	<3
SRL083 16+00E	Soil	0.141	15	48	1.01	559	0.023	<20	1.34	0.007	0.15	<0.1	0.12	4.7	0.2	0.11	5	1.1	<0.2	<3
SRL083 16+50E	Soil	0.080	11	27	0.42	395	0.025	<20	0.53	0.008	0.05	<0.1	0.08	1.8	0.1	0.20	2	1.2	<0.2	<3
SRL083 17+00E	Soil	0.153	26	100	2.30	497	0.173	<20	2.02	0.006	0.23	<0.1	0.10	8.5	0.2	<0.05	7	1.4	<0.2	<3
SRL083 17+50E	Soil	0.133	22	28	0.65	489	0.007	<20	1.19	0.005	0.15	<0.1	0.11	4.5	0.2	0.12	4	1.0	<0.2	<3
SRL083 18+00E	Soil	0.149	24	40	1.02	438	0.019	<20	1.43	0.004	0.19	<0.1	0.17	5.6	0.2	0.08	5	1.5	<0.2	<3
AHSRS070	Silt	0.786	29	257	2.88	1127	0.018	<20	2.08	0.007	0.21	<0.1	0.18	16.6	0.3	0.08	10	4.6	<0.2	<3
AHSRS071	Silt	0.162	12	16	1.85	291	0.003	<20	0.81	0.004	0.16	<0.1	0.06	3.5	0.2	0.19	2	1.4	<0.2	<3
AHSRS072	Silt	0.196	12	20	2.06	372	0.003	<20	0.81	0.006	0.17	<0.1	0.06	3.1	0.2	0.22	2	1.7	<0.2	<3
DFSRS002	Silt	0.466	26	170	2.27	506	0.084	<20	1.76	0.007	0.23	<0.1	0.16	8.5	0.4	0.19	7	4.1	<0.2	<3
DFSRS003	Silt	0.215	18	90	1.36	905	0.030	<20	1.33	0.007	0.17	<0.1	0.12	5.9	0.4	0.12	4	4.0	<0.2	<3
RZSRD001	Soil	0.279	25	204	1.57	1109	0.002	<20	1.03	0.003	0.24	<0.1	0.04	22.3	0.1	0.07	4	0.9	<0.2	<3
RZSRD002	Soil	0.223	24	504	7.46	1711	0.036	<20	4.52	0.007	0.12	<0.1	0.05	36.3	0.1	<0.05	16	1.3	<0.2	<3
RZSRD003	Soil	0.302	43	132	0.97	210	0.005	<20	0.92	0.009	0.21	<0.1	0.45	17.4	0.7	0.93	4	1.7	<0.2	<3
RZSRS001	Silt	0.259	18	40	3.24	251	0.005	<20	0.61	0.007	0.20	<0.1	0.13	4.1	0.2	0.15	2	2.9	<0.2	<3
RZSRS002	Silt	0.069	12	15	2.01	183	0.003	<20	0.50	0.007	0.13	<0.1	0.05	4.1	0.2	0.11	1	0.5	<0.2	<3
RZSRS003	Silt	0.069	12	12	2.15	219	0.002	<20	0.45	0.005	0.12	<0.1	0.05	3.8	0.1	0.13	1	0.8	<0.2	<3
RZSRS004	Silt	0.070	10	13	1.99	866	0.002	<20	0.35	0.007	0.11	<0.1	0.04	3.3	<0.1	0.14	<1	0.5	<0.2	<3
SMSRS001	Silt	0.049	9	21	8.85	495	0.003	<20	0.25	0.018	0.09	<0.1	0.03	1.8	0.1	0.19	<1	<0.5	<0.2	<3



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: TerraLogic Exploration Inc.

Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Submitted By: Chris Gallagher

Receiving Lab: Canada-Yellowknife

Received: September 15, 2011

Report Date: November 07, 2011

Page: 1 of 11

CERTIFICATE OF ANALYSIS

YKN11000468.1

CLIENT JOB INFORMATION

Project: Selwyn Recce
Shipment ID: SR11-049
P.O. Number
Number of Samples: 271

SAMPLE DISPOSAL

RTRN-PLP Return
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7
Canada

CC: Jesse Campbell

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	251	Dry at 60C			YKN
SS80	251	Dry at 60C sieve 100g to -80 mesh			YKN
1DX3	249	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
2X	251	Pressed Pellet XRF Analysis	6	Completed	VAN
7TD	2	4-acid Digestion ICP-ES Finish	0.5	Completed	VAN
7TD.1	1	4 Acid digestion ICP-ES analysis	0.1	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: Selwyn Recce
Report Date: November 07, 2011

Page: 3 of 11 Part 1

CERTIFICATE OF ANALYSIS

YKN11000468.1

	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
JKSRD008	Soil	32.7	30.5	27.8	164	0.4	53.1	3.7	96	1.73	22.8	4.4	3.2	0.9	48	1.4	3.8	0.3	112	0.15	0.090
JKSRD009	Soil	104.8	78.8	20.0	396	0.2	153.2	8.9	185	2.36	22.5	7.2	2.9	0.6	25	2.7	7.7	0.2	175	0.88	0.083
JKSRD010	Soil	3.5	27.0	21.2	119	0.3	25.0	8.0	250	1.79	11.8	0.8	1.7	3.1	154	1.2	1.8	0.2	25	12.82	0.090
JKSRD011	Soil	5.1	35.2	26.0	188	0.3	38.7	8.3	187	2.30	15.6	0.9	1.3	1.0	35	1.5	2.6	0.2	37	2.04	0.091
JKSRD012	Soil	0.8	26.2	27.1	29	<0.1	20.0	11.8	416	1.93	5.7	0.3	0.7	2.7	63	0.1	0.3	0.2	7	9.07	0.040
JKSRD013	Soil	3.0	22.2	36.8	163	0.2	28.7	11.1	544	2.83	17.4	0.8	1.6	1.6	23	1.2	1.5	0.2	30	1.25	0.069
JKSRD014	Soil	3.7	23.3	22.2	114	0.2	30.0	12.8	390	2.35	12.5	0.6	1.9	2.3	102	0.7	1.3	0.2	20	8.87	0.063
JKSRD015	Soil	9.2	47.8	94.5	432	0.1	93.0	28.3	517	3.68	28.3	1.1	1.1	3.2	58	1.1	4.4	0.3	45	5.60	0.081
JKSRD016	Soil	2.7	26.8	28.5	120	0.3	32.4	13.2	587	3.16	13.3	1.2	2.8	1.6	24	0.5	1.3	0.3	44	0.98	0.101
SMSRD103	Soil	1.7	18.0	24.6	65	0.2	20.1	9.4	340	1.95	10.1	0.4	1.5	4.1	103	0.4	1.6	0.2	12	13.26	0.045
SMSRD104	Soil	0.4	29.6	15.3	26	<0.1	22.2	15.6	409	1.87	8.2	0.2	2.3	3.7	35	<0.1	3.9	0.3	12	9.01	0.027
SMSRD106	Soil	7.5	39.0	25.8	1264	0.2	258.8	37.5	538	3.52	14.9	3.1	1.0	2.7	66	15.4	2.2	0.2	51	7.32	0.167
SMSRD107	Soil	1.8	16.0	18.3	165	<0.1	57.1	12.4	309	2.16	4.7	0.6	<0.5	5.3	109	0.7	0.4	0.3	9	10.12	0.032
SMSRD108	Soil	3.0	14.2	31.6	989	<0.1	180.0	45.0	610	2.39	7.7	1.5	1.8	4.6	122	3.6	0.7	0.3	6	10.59	0.027
SMSRD109	Soil	1.0	10.7	17.0	108	<0.1	31.9	9.9	169	2.05	5.5	0.9	<0.5	5.0	88	0.2	0.2	0.2	5	9.34	0.026
SMSRD110	Soil	10.7	15.0	16.0	781	<0.1	147.2	18.6	150	2.06	18.3	2.6	1.0	1.2	135	0.7	3.0	<0.1	18	22.38	0.019
BPSRD081	Soil	0.8	24.3	31.1	158	<0.1	47.5	23.7	1203	5.88	32.4	0.7	1.2	4.1	64	<0.1	0.4	0.5	37	0.17	0.055
BPSRD082	Soil	2.1	17.4	25.9	127	<0.1	30.2	14.9	356	3.98	13.1	0.6	2.1	3.1	24	<0.1	0.7	0.4	54	0.07	0.037
BPSRD083	Soil	4.7	19.3	59.0	60	3.7	13.0	2.9	40	3.13	27.1	0.8	4.3	1.9	87	0.3	2.0	0.2	38	0.71	0.103
BPSRD084	Soil	39.5	49.7	168.0	269	5.1	26.7	8.2	44	9.72	95.5	1.8	4.1	2.7	186	0.6	13.4	0.3	116	0.19	0.467
BPSRD085	Soil	14.4	18.3	43.0	53	1.1	5.3	1.0	15	2.21	24.8	0.7	2.3	1.2	62	0.1	3.1	0.2	70	0.06	0.129
BPSRD086	Soil	8.6	34.0	56.3	74	2.5	13.8	2.0	43	2.81	22.2	1.2	2.0	1.8	102	0.8	2.7	0.2	40	0.54	0.261
BPSRD087	Soil	1.9	22.8	29.3	171	0.1	28.7	8.8	268	5.20	15.6	0.5	1.9	2.9	24	0.2	0.6	0.4	50	0.05	0.053
BPSRD088	Soil	1.1	30.0	21.7	114	0.3	15.5	3.8	214	4.57	15.4	0.4	3.3	2.3	27	0.2	0.4	0.4	55	0.03	0.068
SMSRD105	Soil	1.7	11.5	13.6	152	0.1	26.3	4.0	148	1.14	5.5	2.4	1.6	0.5	91	0.8	0.6	0.1	29	21.99	0.247
SRL217 00+00	Soil	2.1	16.6	21.9	119	<0.1	25.4	10.6	185	3.54	11.6	0.6	0.8	3.0	24	0.1	0.6	0.5	64	0.04	0.034
SRL217 00+10E	Soil	2.8	20.5	31.1	184	<0.1	34.1	13.8	344	4.76	17.3	0.6	1.1	3.1	28	0.2	0.8	0.5	59	0.03	0.046
SRL217 00+20E	Soil	2.4	18.7	20.3	162	<0.1	33.6	13.7	341	3.82	13.7	0.7	1.1	2.8	17	0.3	0.9	0.3	51	0.03	0.033
SRL217 00+25E	Soil	2.0	16.8	21.1	178	<0.1	27.5	13.3	422	4.02	12.5	0.6	0.6	2.5	16	0.1	0.7	0.3	55	0.03	0.048
SRL217 00+30E	Soil	1.9	18.9	24.3	205	<0.1	31.1	21.1	736	4.62	13.4	0.6	<0.5	2.3	16	0.1	0.7	0.4	47	0.03	0.053



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

TerraLogic Exploration Inc.

Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project:

Selwyn Recce

Report Date:

November 07, 2011

Page:

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CERTIFICATE OF ANALYSIS

YKN11000468.1

	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	2X	7TD	7TD
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te	W	Pb	Zn
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	3	0.02	0.01
JKSRD008	Soil	7	21	0.08	428	0.002	4	0.82	0.003	0.11	0.2	0.15	1.4	3.4	0.13	2	3.0	<0.2	<3		
JKSRD009	Soil	6	16	0.04	233	0.003	4	0.33	0.003	0.06	0.5	0.13	1.4	3.0	0.15	2	7.5	0.5	<3		
JKSRD010	Soil	11	10	0.83	628	0.002	5	0.46	0.004	0.12	<0.1	0.16	3.2	0.2	<0.05	1	<0.5	<0.2	<3		
JKSRD011	Soil	15	13	0.36	765	0.002	10	0.77	0.003	0.14	<0.1	0.15	2.3	0.2	0.11	2	1.1	<0.2	<3		
JKSRD012	Soil	12	5	2.51	323	0.001	6	0.30	0.007	0.15	<0.1	0.05	4.0	0.1	<0.05	<1	<0.5	<0.2	<3		
JKSRD013	Soil	16	16	0.23	398	0.002	5	0.86	0.003	0.09	<0.1	0.22	2.8	0.2	0.09	2	0.7	<0.2	<3		
JKSRD014	Soil	13	9	0.36	579	0.001	6	0.54	0.003	0.12	<0.1	0.06	3.2	0.2	<0.05	2	0.7	<0.2	<3		
JKSRD015	Soil	16	13	1.26	316	0.002	5	0.53	0.004	0.11	<0.1	0.11	4.9	0.5	<0.05	1	1.5	<0.2	<3		
JKSRD016	Soil	17	24	0.41	554	0.003	2	1.25	0.003	0.07	<0.1	0.08	2.7	0.2	<0.05	3	1.1	<0.2	<3		
SMSRD103	Soil	7	8	1.73	480	0.001	3	0.31	0.005	0.08	<0.1	0.05	3.8	<0.1	<0.05	<1	<0.5	<0.2	<3		
SMSRD104	Soil	9	10	2.76	892	0.001	2	0.24	0.004	0.12	<0.1	0.12	5.9	0.1	0.08	1	<0.5	<0.2	<3		
SMSRD106	Soil	26	23	0.49	423	0.007	5	1.09	0.008	0.09	0.1	0.06	3.2	1.0	<0.05	2	1.1	<0.2	<3		
SMSRD107	Soil	10	6	0.14	433	<0.001	6	0.38	0.004	0.13	<0.1	0.02	3.5	0.3	<0.05	<1	<0.5	<0.2	<3		
SMSRD108	Soil	9	8	0.08	784	<0.001	3	0.31	0.003	0.07	<0.1	0.04	2.9	1.0	<0.05	<1	0.9	<0.2	<3		
SMSRD109	Soil	8	4	1.85	872	<0.001	4	0.21	0.003	0.08	<0.1	0.01	2.6	0.2	<0.05	<1	<0.5	<0.2	<3		
SMSRD110	Soil	3	9	2.47	2138	<0.001	3	0.25	0.004	0.04	<0.1	0.04	1.1	0.9	0.05	1	1.8	<0.2	<3		
BPSRD081	Soil	6	37	0.40	545	0.002	<1	2.10	0.009	0.08	<0.1	0.04	8.2	<0.1	<0.05	5	0.6	0.4	4		
BPSRD082	Soil	6	31	0.26	340	0.001	<1	1.70	0.005	0.06	<0.1	0.04	4.3	0.1	<0.05	5	<0.5	0.3	<3		
BPSRD083	Soil	6	22	0.14	157	<0.001	3	0.57	0.030	0.22	<0.1	0.21	2.2	0.3	0.74	3	7.1	<0.2	<3		
BPSRD084	Soil	7	30	0.05	59	0.002	3	0.62	0.046	0.32	<0.1	0.37	4.4	1.5	1.42	4	23.0	<0.2	4		
BPSRD085	Soil	4	14	0.03	318	<0.001	3	0.49	0.013	0.10	<0.1	0.14	1.2	0.9	0.23	3	6.2	<0.2	<3		
BPSRD086	Soil	6	18	0.11	647	0.001	3	0.73	0.015	0.12	<0.1	0.23	2.7	0.4	0.30	2	6.2	<0.2	I.S.		
BPSRD087	Soil	4	35	0.27	165	<0.001	1	1.88	0.005	0.07	<0.1	0.04	3.2	0.1	<0.05	5	0.9	0.3	<3		
BPSRD088	Soil	4	32	0.19	181	<0.001	1	1.77	0.005	0.09	<0.1	0.04	2.5	0.1	<0.05	6	0.7	0.8	<3		
SMSRD105	Soil	34	20	1.07	104	0.005	6	0.63	0.007	0.07	<0.1	0.04	1.2	0.2	<0.05	1	0.7	<0.2	<3		
SRL217 00+00	Soil	6	27	0.20	357	0.001	<1	1.67	0.005	0.06	<0.1	0.02	3.3	0.2	<0.05	6	0.8	0.2	<3		
SRL217 00+10E	Soil	6	35	0.28	179	0.001	<1	1.80	0.006	0.08	<0.1	0.05	3.8	0.2	<0.05	6	1.3	<0.2	<3		
SRL217 00+20E	Soil	5	31	0.27	181	<0.001	1	1.62	0.004	0.06	<0.1	0.03	4.0	0.2	<0.05	5	0.5	<0.2	<3		
SRL217 00+25E	Soil	5	29	0.21	203	<0.001	<1	1.67	0.004	0.06	<0.1	0.03	3.1	0.2	<0.05	5	0.9	0.3	<3		
SRL217 00+30E	Soil	4	33	0.23	137	<0.001	<1	1.74	0.004	0.06	<0.1	0.05	4.4	0.1	<0.05	5	0.9	0.3	<3		



Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: Selwyn Recce
Report Date: November 07, 2011

Page: 3 of 11 **Part** 3

CERTIFICATE OF ANALYSIS

YKN11000468.1

	Method Analyte Unit MDL	7TD	7TD.1
		Ag	Pb
		gm/t	%
		2	0.02
JKSRD008	Soil		
JKSRD009	Soil		
JKSRD010	Soil		
JKSRD011	Soil		
JKSRD012	Soil		
JKSRD013	Soil		
JKSRD014	Soil		
JKSRD015	Soil		
JKSRD016	Soil		
SMSRD103	Soil		
SMSRD104	Soil		
SMSRD106	Soil		
SMSRD107	Soil		
SMSRD108	Soil		
SMSRD109	Soil		
SMSRD110	Soil		
BPSRD081	Soil		
BPSRD082	Soil		
BPSRD083	Soil		
BPSRD084	Soil		
BPSRD085	Soil		
BPSRD086	Soil		
BPSRD087	Soil		
BPSRD088	Soil		
SMSRD105	Soil		
SRL217 00+00	Soil		
SRL217 00+10E	Soil		
SRL217 00+20E	Soil		
SRL217 00+25E	Soil		
SRL217 00+30E	Soil		



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: TerraLogic Exploration Inc.

Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Submitted By: Chris Gallagher

Receiving Lab: Canada-Yellowknife

Received: September 15, 2011

Report Date: November 03, 2011

Page: 1 of 8

CERTIFICATE OF ANALYSIS

YKN11000494.1

CLIENT JOB INFORMATION

Project: Selwyn Recce
Shipment ID: SR11-048
P.O. Number
Number of Samples: 205

SAMPLE DISPOSAL

RTRN-PLP Return
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7
Canada

CC: Jesse Campbell

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	197	Dry at 60C			YKN
SS80	197	Dry at 60C sieve 100g to -80 mesh			YKN
1DX3	190	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
2X	197	Pressed Pellet XRF Analysis	6	Completed	VAN
7TD	6	4-acid Digestion ICP-ES Finish	0.5	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

TerraLogic Exploration Inc.

Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project:

Selwyn Recce

Report Date:

November 03, 2011

Page:

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Part 1

CERTIFICATE OF ANALYSIS

YKN11000494.1

	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
ADHRD-005	Soil	1.1	12.1	30.1	86	<0.1	11.2	5.5	202	1.59	297.6	0.4	0.6	3.4	45	0.2	23.1	0.2	6	7.49	0.025
DFSRD050	Soil	7.4	193.1	892.4	7141	1.3	19.2	5.2	133	1.92	58.0	4.4	0.9	2.0	18	16.0	7.8	0.1	27	0.12	0.051
DFSRD051	Soil	2.1	28.4	108.9	993	0.2	45.6	10.7	206	2.41	16.1	2.2	1.2	2.3	61	2.0	0.9	0.2	17	2.48	0.030
DFSRD052	Soil	2.7	59.3	53.0	437	<0.1	112.9	47.7	871	6.80	491.5	1.0	<0.5	4.5	10	0.6	30.2	0.2	16	0.51	0.056
RZSRD031	Soil	0.4	66.0	12.8	52	<0.1	33.6	24.8	547	3.47	3.3	0.6	<0.5	2.8	77	<0.1	0.2	0.2	19	2.41	0.021
RZSRD032	Soil	1.7	55.0	23.1	64	0.2	52.5	41.3	1171	3.53	12.0	1.9	1.0	6.3	53	0.3	0.6	0.2	17	5.14	0.054
RZSRD033	Soil	0.7	31.0	16.6	22	<0.1	23.7	12.8	321	2.18	6.0	0.3	<0.5	2.0	26	<0.1	0.2	0.2	13	6.56	0.034
RZSRD034	Soil	0.3	21.8	7.0	13	<0.1	17.4	11.2	377	1.77	3.0	0.2	<0.5	2.7	39	<0.1	0.1	0.2	9	7.71	0.028
RZSRD035	Soil	1.2	42.3	58.0	146	<0.1	29.0	13.5	218	3.37	33.6	0.5	<0.5	2.3	27	0.3	0.4	0.3	9	4.80	0.037
RZSRD036	Soil	0.8	35.4	41.2	34	0.3	31.1	25.7	492	3.59	7.4	1.0	1.1	6.9	29	<0.1	0.5	0.5	8	4.52	0.052
RZSRD037	Soil	0.2	7.4	9.5	14	<0.1	10.5	10.4	712	1.67	8.0	0.3	<0.5	5.1	16	<0.1	0.1	0.2	16	0.53	0.045
RZSRD038	Soil	0.5	29.9	17.5	17	<0.1	21.3	14.4	544	2.35	5.0	0.4	<0.5	4.7	18	<0.1	0.1	0.3	12	3.22	0.032
RZSRD039	Soil	0.5	20.7	13.6	166	<0.1	20.6	9.9	240	2.51	4.6	0.7	<0.5	3.2	178	0.1	<0.1	<0.1	16	8.88	0.040
RZSRD040	Soil	1.4	20.0	16.1	67	0.1	20.5	11.0	437	2.26	7.1	0.5	<0.5	3.7	125	0.5	0.6	0.2	15	5.62	0.061
RZSRD041	Soil	1.4	35.7	536.9	480	0.5	8.6	5.0	476	1.56	9.6	0.4	<0.5	1.2	88	1.3	0.6	<0.1	6	16.22	0.018
SMSRD092	Soil	1.8	28.2	920.9	3159	0.2	30.8	10.0	243	2.38	8.8	1.7	<0.5	4.3	175	4.2	1.0	0.2	12	9.11	0.023
SMSRD093	Soil	4.7	113.6	6133	>10000	1.0	39.0	7.9	158	2.06	33.2	4.8	<0.5	2.2	159	42.0	4.5	0.1	17	8.57	0.027
SMSRD094	Soil	4.3	116.7	1222	>10000	0.9	38.9	8.2	163	2.15	43.2	2.8	0.7	2.3	121	56.4	3.9	0.2	18	7.26	0.025
SMSRD095	Soil	4.9	189.6	864.9	>10000	0.8	42.3	8.9	146	2.29	44.2	4.6	<0.5	2.6	115	129.3	2.6	0.1	15	7.07	0.019
SMSRD096	Soil	10.2	28.8	194.4	1870	0.2	13.7	3.0	79	1.03	13.0	3.8	0.9	1.0	31	3.6	1.3	<0.1	26	0.10	0.027
SMSRD097	Soil	7.7	259.1	664.8	>10000	0.5	80.2	11.6	202	3.11	26.4	20.2	0.6	2.5	50	81.4	3.1	0.1	32	1.50	0.058
SMSRD098	Soil	1.7	21.3	57.7	242	0.1	22.0	10.8	468	2.63	61.0	0.5	1.2	1.4	22	0.3	5.1	0.2	23	1.42	0.057
SMSRD099	Soil	0.6	15.7	53.3	289	<0.1	25.8	13.3	415	3.39	10.5	0.4	<0.5	3.5	14	0.4	1.0	0.2	12	0.26	0.038
SMSRD100	Soil	1.8	14.5	53.5	291	0.1	16.1	7.9	577	2.46	11.3	0.5	<0.5	2.6	32	0.6	0.9	0.1	16	3.29	0.048
SMSRD101	Soil	2.7	64.0	4373	>10000	1.1	21.6	8.2	825	3.63	18.1	0.8	1.5	2.1	24	30.7	3.5	0.1	23	4.66	0.075
SMSRD102	Soil	3.3	22.4	91.1	507	0.1	25.0	9.2	326	3.07	15.4	0.7	<0.5	2.8	9	1.1	0.9	0.2	27	0.33	0.058
SRL214 00+00	Soil	8.8	152.8	27.3	423	1.7	65.8	11.4	229	3.11	18.3	1.8	6.3	2.1	80	3.1	4.5	0.1	162	2.74	0.398
SRL214 00+25N	Soil	6.3	107.2	20.6	351	1.9	47.4	12.0	261	2.97	21.2	1.6	5.1	3.9	55	3.7	4.3	0.1	133	2.01	0.332
SRL214 00+50N	Soil	7.3	127.7	22.6	385	1.6	47.5	8.9	176	2.37	19.5	1.8	4.8	2.2	142	4.4	4.7	0.1	114	6.58	0.363
SRL214 00+75N	Soil	6.2	113.0	17.5	323	1.0	43.2	9.3	203	2.11	14.7	1.7	3.5	2.9	179	3.9	4.1	<0.1	110	7.75	0.372



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

TerraLogic Exploration Inc.

Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project:

Selwyn Recce

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Part 2

CERTIFICATE OF ANALYSIS

YKN11000494.1

	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	2X	7TD
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te	W	Zn
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	3	0.01
ADHRD-005	Soil	9	5	1.20	32	0.004	1	0.22	0.003	0.03	<0.1	0.14	1.8	2.0	<0.05	<1	<0.5	<0.2	4	
DFSRD050	Soil	4	10	0.18	1588	0.004	3	0.49	0.003	0.08	<0.1	6.59	1.4	1.4	0.13	15	2.0	<0.2	<3	
DFSRD051	Soil	4	10	0.69	1695	0.002	2	0.40	0.003	0.09	<0.1	0.11	2.8	0.7	0.12	1	0.6	<0.2	I.S.	
DFSRD052	Soil	15	11	0.26	140	0.002	2	2.00	0.002	0.07	<0.1	0.09	5.6	10.3	<0.05	2	0.9	<0.2	<3	
RZSRD031	Soil	2	15	0.80	311	0.004	3	0.80	0.007	0.17	<0.1	0.02	7.2	0.2	0.20	3	0.6	<0.2	<3	
RZSRD032	Soil	8	16	2.30	207	0.002	2	1.18	0.008	0.06	<0.1	0.05	3.3	0.1	0.21	2	0.6	<0.2	<3	
RZSRD033	Soil	3	8	4.04	89	0.001	5	0.42	0.006	0.12	<0.1	0.01	4.0	<0.1	0.23	1	<0.5	<0.2	<3	
RZSRD034	Soil	4	7	3.75	49	0.002	6	0.40	0.007	0.14	<0.1	<0.01	3.6	<0.1	0.09	1	<0.5	<0.2	4	
RZSRD035	Soil	2	8	2.87	61	<0.001	6	0.36	0.004	0.12	<0.1	0.02	4.4	0.1	0.71	<1	<0.5	<0.2	I.S.	
RZSRD036	Soil	10	5	2.68	116	<0.001	1	0.21	0.004	0.05	<0.1	0.19	3.6	<0.1	<0.05	<1	<0.5	<0.2	<3	
RZSRD037	Soil	2	9	0.40	134	0.004	7	0.77	0.002	0.35	<0.1	0.01	5.2	0.2	0.06	2	<0.5	<0.2	<3	
RZSRD038	Soil	4	10	2.07	113	0.003	9	0.78	0.005	0.34	<0.1	<0.01	4.5	0.2	<0.05	2	<0.5	<0.2	6	
RZSRD039	Soil	5	15	1.50	28	0.003	11	0.81	0.004	0.19	<0.1	<0.01	4.6	<0.1	0.17	3	<0.5	<0.2	<3	
RZSRD040	Soil	10	10	0.98	97	0.003	2	0.68	0.003	0.09	<0.1	0.04	2.6	<0.1	<0.05	2	<0.5	<0.2	<3	
RZSRD041	Soil	2	5	8.08	183	0.002	2	0.23	0.007	0.05	<0.1	0.04	1.3	<0.1	0.16	<1	<0.5	<0.2	<3	
SMSRD092	Soil	5	9	1.27	711	<0.001	2	0.23	0.004	0.07	<0.1	0.18	3.4	0.1	0.29	2	0.7	<0.2	<3	
SMSRD093	Soil	3	10	2.20	1236	<0.001	3	0.33	0.004	0.07	<0.1	1.88	1.9	0.4	0.16	8	2.5	<0.2	<3	2.13
SMSRD094	Soil	3	9	2.06	1120	0.001	3	0.32	0.004	0.06	<0.1	3.27	1.9	0.4	0.15	8	2.3	<0.2	<3	2.61
SMSRD095	Soil	3	7	1.12	1264	0.001	5	0.29	0.003	0.08	<0.1	1.69	2.3	0.4	0.11	4	1.5	<0.2	<3	6.28
SMSRD096	Soil	2	6	0.11	2459	0.002	2	0.32	0.002	0.04	<0.1	0.03	0.8	1.1	0.08	2	<0.5	<0.2	25	
SMSRD097	Soil	4	15	0.66	858	0.002	4	0.80	0.004	0.07	<0.1	0.28	2.2	1.1	0.20	28	2.2	<0.2	<3	5.47
SMSRD098	Soil	16	14	0.63	405	0.005	4	0.88	0.004	0.06	<0.1	0.05	2.2	0.6	0.06	2	1.1	<0.2	<3	
SMSRD099	Soil	5	10	0.09	857	<0.001	1	0.52	0.001	0.12	<0.1	0.06	5.7	<0.1	<0.05	2	0.6	<0.2	<3	
SMSRD100	Soil	9	9	1.62	116	0.002	3	0.44	0.005	0.07	<0.1	0.03	2.6	0.1	<0.05	1	<0.5	<0.2	<3	
SMSRD101	Soil	8	11	2.61	209	0.002	2	0.61	0.004	0.06	<0.1	1.43	2.9	0.1	<0.05	2	1.6	<0.2	<3	2.84
SMSRD102	Soil	7	12	0.16	292	0.001	2	0.68	0.002	0.08	<0.1	0.11	3.4	0.2	<0.05	2	1.0	<0.2	<3	
SRL214 00+00	Soil	23	75	0.92	2443	0.006	14	1.26	0.005	0.26	<0.1	0.21	4.9	0.3	0.15	5	3.5	<0.2	<3	
SRL214 00+25N	Soil	26	40	1.04	705	0.007	10	1.32	0.004	0.25	<0.1	0.20	5.0	0.3	0.10	5	2.4	<0.2	<3	
SRL214 00+50N	Soil	20	35	1.07	1560	0.005	11	0.94	0.004	0.25	<0.1	0.17	4.2	0.3	0.09	3	2.8	<0.2	I.S.	
SRL214 00+75N	Soil	19	35	1.34	1228	0.007	8	0.93	0.005	0.23	<0.1	0.16	3.8	0.3	0.08	3	2.8	<0.2	<3	



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

TerraLogic Exploration Inc.

Suite 200, 44 - 12th Ave. S.

Cranbrook BC V1C 2R7 Canada

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Part 1

CERTIFICATE OF ANALYSIS

YKN11000494.1

	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
SRL214 01+00N	Soil	4.6	88.7	14.5	257	1.0	29.4	6.7	147	1.46	13.4	1.6	<0.5	3.2	253	3.6	3.1	<0.1	96	12.85
SRL214 01+25N	Soil	8.2	132.6	19.8	379	1.3	40.6	7.8	169	1.67	13.7	2.0	<0.5	2.9	227	4.7	4.2	<0.1	114	10.24
SRL214 01+50N	Soil	6.5	116.5	18.5	367	1.4	35.7	7.0	186	1.80	15.2	2.4	0.8	3.8	276	4.3	4.7	0.1	150	12.43
SRL214 01+75N	Soil	3.9	79.6	19.3	290	1.5	34.6	8.9	241	2.39	15.8	1.4	3.7	4.1	165	3.0	3.8	0.2	135	6.60
SRL214 02+00N	Soil	3.1	51.8	26.3	187	0.7	26.0	8.1	300	1.95	13.2	1.3	2.8	3.1	269	2.1	2.1	0.1	69	12.35
SRL214 02+25N	Soil	3.5	56.1	21.6	177	0.6	26.7	8.2	273	2.05	12.2	1.4	4.1	3.5	382	1.5	2.3	0.2	69	15.01
SRL214 02+50N	Soil	3.8	49.8	32.4	184	0.5	29.2	8.9	320	2.08	14.1	1.4	3.2	3.4	326	1.6	1.8	0.2	57	15.23
SRL214 02+75N	Soil	4.8	58.9	20.6	216	0.7	28.6	7.5	239	1.79	12.6	1.6	1.0	3.7	319	2.4	2.4	0.1	76	15.51
SRL214 03+00N	Soil	4.6	76.7	19.3	333	1.2	36.9	9.0	274	2.61	17.5	1.6	6.8	3.2	155	2.9	3.7	0.2	110	5.51
SRL214 03+25N	Soil	5.2	89.6	19.9	357	1.2	38.9	6.8	162	2.64	16.0	1.8	6.4	2.3	51	2.5	3.2	0.2	100	1.35
SRL214 03+50N	Soil	2.9	54.8	29.3	189	0.9	24.9	7.0	308	2.68	13.2	1.7	2.6	1.3	51	1.1	1.9	0.2	69	1.41
SRL214 03+75N	Soil	6.1	115.9	25.9	408	1.4	47.0	8.3	212	2.47	18.1	1.9	4.3	2.5	62	3.7	4.1	0.2	107	1.90
SRL214 04+00N	Soil	5.8	102.0	22.8	589	1.4	49.2	7.0	182	2.52	17.5	2.1	4.1	2.7	78	3.8	3.7	0.2	112	1.89
SRL214 04+25N	Soil	5.3	69.2	24.1	480	1.1	38.2	7.5	189	2.73	14.4	1.7	3.5	2.8	48	2.3	2.9	0.2	98	1.15
SRL214 04+50N	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SRL214 04+75N	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SRL214 05+00N	Soil	3.9	66.0	18.3	222	1.0	28.4	6.5	123	2.14	13.5	1.8	4.4	2.9	91	1.3	2.2	0.2	80	2.65
SRL214 05+25N	Soil	3.3	65.9	20.0	238	0.8	29.3	5.6	142	2.05	9.9	2.0	5.5	2.2	135	1.7	2.2	0.1	61	4.68
SRL214 05+50N	Soil	4.0	74.1	23.7	268	1.0	32.1	7.0	140	2.38	16.6	2.0	5.8	2.3	68	1.4	2.6	0.2	77	1.59
SRL214 05+75N	Soil	3.3	54.4	25.1	242	0.8	27.0	6.2	166	1.91	10.8	2.2	4.3	0.8	89	2.5	2.0	0.1	56	2.17
SRL214 06+00N	Soil	4.8	54.8	38.6	336	0.9	29.7	7.1	148	2.40	12.6	1.5	5.0	1.7	67	2.0	2.2	0.2	61	1.82
SRL214 06+25N	Soil	4.7	63.3	19.7	270	0.9	29.1	5.7	128	2.30	12.9	2.9	3.6	1.6	67	1.6	2.7	0.2	69	1.68
SRL214 06+50N	Soil	4.7	55.7	28.3	323	0.9	31.7	7.2	188	2.50	14.7	2.1	3.2	1.6	65	1.2	2.2	0.2	65	1.43
SRL214 06+75N	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
SRL214 07+00N	Soil	5.3	50.9	24.3	214	0.8	34.8	9.5	324	2.70	16.5	1.4	3.9	3.9	129	1.2	2.1	0.2	65	4.38
SRL214 07+25N	Soil	5.4	37.4	58.4	293	0.5	32.1	10.2	401	2.71	14.2	1.9	1.7	2.3	58	1.6	1.9	0.2	48	1.70
SRL214 07+50N	Soil	4.8	47.9	70.6	311	0.7	32.1	9.6	375	3.01	17.1	1.7	2.3	2.4	40	1.5	1.7	0.2	56	1.10
SRL214 07+75N	Soil	4.8	52.3	54.4	271	0.8	31.5	8.7	313	2.93	17.5	1.8	3.8	3.0	33	1.1	1.9	0.2	62	0.92
SRL214 08+00N	Soil	4.5	65.6	22.7	286	1.0	33.9	7.8	222	2.64	18.1	2.5	2.6	2.1	51	1.9	2.3	0.2	75	1.19
SRL214 08+25N	Soil	6.4	31.7	46.3	187	0.4	33.6	13.6	427	2.69	15.9	1.3	<0.5	4.3	132	1.1	1.5	0.2	31	5.83



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client:

TerraLogic Exploration Inc.

Suite 200, 44 - 12th Ave. S.

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Part 2

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	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	2X	7TD
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te	W	Zn
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	3	0.01
SRL214 01+00N	Soil	14	20	1.59	972	0.004	8	0.84	0.005	0.26	<0.1	0.11	3.1	0.1	0.13	3	3.0	<0.2	<3	
SRL214 01+25N	Soil	14	27	1.44	1320	0.005	11	0.77	0.005	0.25	<0.1	0.18	3.6	0.2	0.15	3	5.4	<0.2	<3	
SRL214 01+50N	Soil	17	29	1.78	1179	0.006	17	1.14	0.007	0.42	<0.1	0.16	3.7	0.2	0.16	4	4.2	<0.2	<3	
SRL214 01+75N	Soil	25	29	1.30	372	0.007	12	1.42	0.005	0.34	<0.1	0.19	4.7	0.3	<0.05	4	1.4	<0.2	<3	
SRL214 02+00N	Soil	18	17	1.07	509	0.003	8	0.85	0.006	0.24	<0.1	0.09	4.1	0.2	<0.05	3	<0.5	<0.2	<3	
SRL214 02+25N	Soil	16	17	1.32	682	0.005	11	0.84	0.006	0.27	<0.1	0.10	3.5	0.2	<0.05	3	<0.5	<0.2	<3	
SRL214 02+50N	Soil	16	15	1.04	684	0.003	8	0.77	0.006	0.23	<0.1	0.11	4.1	0.3	<0.05	2	0.5	<0.2	I.S.	
SRL214 02+75N	Soil	15	18	1.39	810	0.004	10	0.84	0.006	0.28	<0.1	0.11	3.7	0.2	0.09	3	2.0	<0.2	<3	
SRL214 03+00N	Soil	26	26	0.98	366	0.005	17	1.24	0.006	0.34	0.1	0.13	5.2	0.2	0.09	4	1.6	<0.2	<3	
SRL214 03+25N	Soil	25	26	0.72	635	0.004	9	1.32	0.006	0.27	0.1	0.13	4.4	0.3	0.11	4	2.2	<0.2	<3	
SRL214 03+50N	Soil	30	23	0.56	638	0.004	3	1.22	0.004	0.11	0.3	0.16	2.9	0.2	0.11	3	1.3	<0.2	<3	
SRL214 03+75N	Soil	25	27	0.78	576	0.003	14	1.24	0.005	0.28	0.1	0.23	4.3	0.3	0.10	4	2.8	<0.2	<3	
SRL214 04+00N	Soil	25	28	0.74	735	0.004	11	1.32	0.005	0.33	0.1	0.22	4.6	0.3	0.06	4	2.5	<0.2	<3	
SRL214 04+25N	Soil	23	24	0.79	426	0.005	11	1.26	0.005	0.29	0.1	0.20	4.4	0.3	0.06	4	1.3	<0.2	<3	
SRL214 04+50N	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	<3	
SRL214 04+75N	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	<3	
SRL214 05+00N	Soil	25	22	1.07	386	0.003	9	1.13	0.006	0.26	<0.1	0.13	4.3	0.2	0.09	3	1.5	<0.2	<3	
SRL214 05+25N	Soil	17	18	1.02	334	0.004	19	0.90	0.007	0.23	<0.1	0.18	3.9	0.2	0.19	3	3.6	<0.2	<3	
SRL214 05+50N	Soil	22	21	0.70	261	0.003	12	1.09	0.005	0.24	0.1	0.16	4.0	0.2	0.12	3	2.6	<0.2	<3	
SRL214 05+75N	Soil	16	16	0.65	401	0.003	12	0.82	0.007	0.16	0.3	0.15	2.1	0.2	0.14	3	3.0	<0.2	I.S.	
SRL214 06+00N	Soil	17	18	0.60	362	0.002	9	0.91	0.005	0.19	<0.1	0.18	3.4	0.2	0.11	3	2.5	<0.2	<3	
SRL214 06+25N	Soil	20	19	0.69	325	0.004	13	0.99	0.007	0.20	0.1	0.17	3.2	0.2	0.11	3	2.6	<0.2	<3	
SRL214 06+50N	Soil	20	18	0.58	315	0.002	8	0.98	0.006	0.20	<0.1	0.13	3.7	0.2	0.10	3	1.8	<0.2	<3	
SRL214 06+75N	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
SRL214 07+00N	Soil	19	19	0.68	491	0.003	7	0.99	0.005	0.24	<0.1	0.12	4.8	0.3	<0.05	3	1.6	<0.2	<3	
SRL214 07+25N	Soil	17	16	0.53	437	0.002	8	0.79	0.004	0.19	<0.1	0.12	3.6	0.2	0.07	2	1.9	<0.2	I.S.	
SRL214 07+50N	Soil	23	18	0.36	587	0.002	4	1.02	0.004	0.14	<0.1	0.14	3.9	0.2	0.06	3	1.4	<0.2	<3	
SRL214 07+75N	Soil	24	19	0.42	460	0.003	5	1.12	0.004	0.18	<0.1	0.16	4.9	0.2	<0.05	3	1.1	<0.2	<3	
SRL214 08+00N	Soil	25	21	0.59	380	0.003	8	1.10	0.005	0.23	0.2	0.13	4.1	0.2	0.08	3	1.7	<0.2	I.S.	
SRL214 08+25N	Soil	11	11	0.39	665	0.001	5	0.54	0.004	0.17	<0.1	0.10	4.7	0.4	<0.05	2	<0.5	<0.2	<3	



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project: Selwyn Recce
Report Date: November 03, 2011

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
SRL214 08+50N	Soil	4.5	75.8	38.6	275	0.9	36.9	9.7	312	3.00	18.6	1.6	5.2	2.9	98	2.0	2.5	0.2	72	3.32
SRL214 08+75N	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
SRL214 09+00N	Soil	3.2	69.0	14.3	176	0.8	27.8	6.4	152	1.93	15.1	2.1	6.3	1.7	164	1.3	2.5	0.2	58	5.59
SRL214 09+25N	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
SRL214 09+50N	Soil	3.7	36.8	29.1	165	0.6	23.0	6.0	207	2.41	11.9	2.2	1.8	1.5	49	0.7	1.1	0.2	41	1.48
SRL214 09+75N	Soil	5.2	36.3	96.3	370	0.6	29.9	10.1	417	2.75	14.4	1.7	1.4	1.9	47	1.9	1.7	0.2	37	1.81
SRL214 10+00N	Soil	4.3	52.5	47.2	259	0.8	27.3	7.3	196	2.43	13.3	1.9	3.9	1.3	49	1.2	2.0	0.2	46	1.43
SRL214 10+25N	Soil	5.4	30.1	71.5	296	0.5	24.0	7.7	272	2.58	13.8	1.9	1.9	2.0	36	1.0	1.4	0.2	35	1.06
SRL214 10+50N	Soil	7.5	34.5	51.9	207	0.5	41.5	14.7	413	2.88	16.8	1.2	2.3	5.1	69	1.7	1.9	0.2	28	4.59
SRL214 10+75N	Soil	5.2	30.5	152.4	466	0.5	29.3	9.6	430	2.77	12.8	2.1	<0.5	2.3	39	1.9	1.5	0.2	27	1.60
SRL214 11+00N	Soil	5.1	23.6	173.5	680	0.4	24.1	8.3	201	2.59	12.3	1.1	0.8	1.9	37	1.4	1.2	0.2	28	2.12
SRL214 11+25N	Soil	2.3	14.6	117.3	479	0.2	15.5	7.8	274	1.51	7.4	0.5	1.6	3.3	174	1.2	0.7	0.1	11	19.52
SRL214 11+50N	Soil	7.0	34.5	112.5	326	0.4	38.3	14.6	431	3.12	17.5	1.1	2.2	4.5	41	1.2	1.4	0.3	30	3.06
SRL214 11+75N	Soil	5.9	32.7	42.8	186	0.4	33.9	11.4	251	2.91	15.9	1.1	1.7	3.7	23	1.2	1.4	0.3	31	1.10
SRL214 12+00N	Soil	6.1	36.3	73.1	373	0.6	32.9	10.2	198	2.93	17.4	1.1	2.3	3.5	20	1.6	1.6	0.3	32	1.08
SRL214 12+25N	Soil	6.9	33.2	54.9	196	0.4	35.1	12.6	377	2.68	15.8	1.2	1.3	5.6	76	1.5	1.3	0.2	29	5.83
SRL214 12+50N	Soil	4.3	27.1	126.8	469	0.3	27.3	10.9	301	2.54	13.4	0.7	1.2	2.5	74	1.3	1.2	0.2	23	7.20
SRL214 12+75N	Soil	5.7	30.3	88.6	455	0.4	28.6	10.9	340	2.42	14.6	0.9	1.5	3.6	98	1.5	1.3	0.2	25	8.73
SRL214 13+00N	Soil	3.1	22.6	111.6	416	0.2	23.1	11.4	381	2.28	10.8	0.6	0.8	2.9	106	1.1	1.0	0.2	17	11.58
SRL214 13+25N	Soil	4.5	34.5	175.9	740	0.3	33.1	12.5	347	3.10	15.5	0.8	1.3	2.9	21	1.5	1.5	0.3	29	1.65
SRL214 13+50N	Soil	2.0	25.6	109.1	610	0.3	22.5	11.4	590	2.65	9.7	0.5	1.2	1.1	77	1.0	1.2	0.3	23	7.41
SRL214 13+75N	Soil	3.3	22.9	152.1	722	0.3	20.2	8.9	314	2.25	10.4	0.6	0.6	2.4	152	1.6	1.1	0.2	19	14.19
SRL214 14+00N	Soil	3.1	27.1	161.0	876	0.4	23.3	8.4	290	2.67	12.6	0.6	1.4	1.9	73	1.5	1.3	0.2	25	6.10
SRL214 14+25N	Soil	4.6	36.5	155.9	652	0.5	28.6	9.9	304	2.81	15.0	0.9	1.8	2.3	37	1.9	1.5	0.2	33	2.71
SRL214 14+50N	Soil	4.2	41.0	135.9	520	0.6	27.9	8.7	218	3.02	16.5	1.3	2.6	2.8	26	1.1	1.5	0.2	45	1.10
SRL214 14+75N	Soil	5.6	36.5	172.5	669	0.6	29.1	10.9	389	3.10	16.7	0.8	1.5	2.6	33	1.8	1.5	0.2	35	1.97
SRL214 15+00N	Soil	4.9	38.7	111.7	516	0.7	28.4	9.5	312	2.96	16.2	0.9	2.6	2.3	37	1.6	1.5	0.2	37	2.06
SRL214 15+25N	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
SRL214 15+50N	Soil	4.0	31.2	65.2	300	0.5	22.6	7.4	206	2.42	13.8	1.2	2.4	1.4	37	0.9	1.2	0.2	33	1.67
SRL214 15+75N	Soil	5.5	41.4	53.4	217	0.7	37.3	9.2	339	2.76	15.9	1.3	1.8	1.6	43	1.3	1.6	0.2	38	1.57



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client:

TerraLogic Exploration Inc.

Suite 200, 44 - 12th Ave. S.

Cranbrook BC V1C 2R7 Canada

Project:

Selwyn Recce

Report Date:

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Part 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	2X	7TD	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te	W	Zn
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	3	0.01
SRL214 08+50N	Soil	26	21	0.86	404	0.003	8	1.06	0.005	0.26	<0.1	0.19	5.0	0.2	<0.05	3	1.4	<0.2	<3	
SRL214 08+75N	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.		
SRL214 09+00N	Soil	17	16	0.99	433	0.003	10	0.79	0.006	0.21	0.1	0.15	2.8	0.2	0.09	3	2.4	<0.2	<3	
SRL214 09+25N	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.		
SRL214 09+50N	Soil	19	15	0.32	628	0.001	3	0.91	0.004	0.10	0.2	0.18	3.2	0.2	0.07	2	1.5	<0.2	<3	
SRL214 09+75N	Soil	17	12	0.44	538	0.001	5	0.68	0.006	0.11	0.2	0.15	4.1	0.2	0.09	2	2.1	<0.2	<3	
SRL214 10+00N	Soil	13	14	0.39	505	0.003	8	0.81	0.005	0.13	0.3	0.15	3.0	0.2	0.11	2	1.7	<0.2	<3	
SRL214 10+25N	Soil	14	12	0.22	748	0.001	4	0.67	0.003	0.11	0.1	0.13	3.5	0.2	0.07	2	1.4	<0.2	<3	
SRL214 10+50N	Soil	7	9	0.52	415	0.001	4	0.41	0.003	0.15	<0.1	0.10	5.4	0.4	0.07	1	0.7	<0.2	<3	
SRL214 10+75N	Soil	11	11	0.30	668	0.001	8	0.57	0.005	0.15	0.2	0.19	4.0	0.2	0.08	1	1.0	<0.2	<3	
SRL214 11+00N	Soil	11	12	0.36	781	0.001	7	0.66	0.004	0.13	0.1	0.23	3.4	0.2	0.07	2	1.5	<0.2	<3	
SRL214 11+25N	Soil	6	5	1.11	519	<0.001	5	0.24	0.006	0.10	<0.1	0.19	3.2	0.1	<0.05	<1	<0.5	<0.2	<3	
SRL214 11+50N	Soil	11	11	0.27	673	<0.001	5	0.55	0.003	0.14	<0.1	0.14	5.4	0.3	<0.05	1	1.0	<0.2	<3	
SRL214 11+75N	Soil	10	11	0.17	709	<0.001	7	0.61	0.003	0.13	<0.1	0.10	4.9	0.3	<0.05	2	1.1	<0.2	<3	
SRL214 12+00N	Soil	12	11	0.17	435	<0.001	7	0.55	0.003	0.13	<0.1	0.16	5.0	0.3	<0.05	2	1.1	<0.2	<3	
SRL214 12+25N	Soil	8	10	0.59	602	<0.001	6	0.46	0.004	0.17	<0.1	0.10	4.9	0.3	<0.05	1	1.0	<0.2	<3	
SRL214 12+50N	Soil	8	9	0.66	515	<0.001	7	0.48	0.004	0.14	<0.1	0.17	3.9	0.2	<0.05	1	0.8	<0.2	<3	
SRL214 12+75N	Soil	8	8	0.85	498	<0.001	6	0.45	0.004	0.14	<0.1	0.14	4.1	0.3	<0.05	1	0.7	<0.2	<3	
SRL214 13+00N	Soil	6	8	0.97	352	0.001	7	0.44	0.005	0.16	<0.1	0.19	4.0	0.2	<0.05	1	0.5	<0.2	<3	
SRL214 13+25N	Soil	11	12	0.29	567	0.002	8	0.72	0.003	0.20	<0.1	0.11	4.8	0.3	<0.05	2	0.8	<0.2	<3	
SRL214 13+50N	Soil	14	13	0.58	379	0.002	8	0.86	0.007	0.13	<0.1	0.19	2.5	0.1	0.07	2	0.6	<0.2	<3	
SRL214 13+75N	Soil	9	9	1.30	408	0.001	7	0.44	0.006	0.13	<0.1	0.20	3.5	0.2	<0.05	1	0.6	<0.2	<3	
SRL214 14+00N	Soil	13	12	0.64	588	0.002	8	0.65	0.006	0.14	<0.1	0.17	3.4	0.2	0.08	2	0.7	<0.2	<3	
SRL214 14+25N	Soil	13	12	0.49	473	0.001	8	0.60	0.005	0.14	<0.1	0.20	3.9	0.2	0.08	2	0.8	<0.2	I.S.	
SRL214 14+50N	Soil	19	15	0.29	559	0.001	6	0.84	0.004	0.13	<0.1	0.18	4.6	0.2	<0.05	2	0.8	<0.2	<3	
SRL214 14+75N	Soil	16	13	0.22	590	0.001	6	0.66	0.004	0.13	<0.1	0.23	4.7	0.2	<0.05	2	0.8	<0.2	<3	
SRL214 15+00N	Soil	18	12	0.26	642	0.001	5	0.67	0.003	0.10	<0.1	0.18	4.4	0.2	<0.05	2	0.9	<0.2	<3	
SRL214 15+25N	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.		
SRL214 15+50N	Soil	16	10	0.16	511	0.001	6	0.59	0.004	0.07	<0.1	0.11	2.7	0.2	0.08	1	0.9	<0.2	<3	
SRL214 15+75N	Soil	21	21	0.19	644	<0.001	4	0.64	0.005	0.08	<0.1	0.18	3.3	0.2	<0.05	2	1.0	<0.2	<3	



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

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Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

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	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
SRL214 16+00N	Soil	5.3	37.8	47.4	194	0.6	26.6	8.7	301	3.03	17.0	1.2	2.1	2.8	31	0.9	1.5	0.2	45	1.06	0.117
SRL215 00+00	Soil	1.1	36.0	27.9	147	0.2	27.0	14.6	515	2.83	8.4	0.6	1.9	3.7	150	0.5	1.4	0.2	30	8.24	0.102
SRL215 00+25S	Soil	0.8	30.1	42.0	190	0.2	23.3	13.3	479	2.83	12.4	0.4	2.0	3.3	71	0.4	2.7	0.2	22	6.83	0.067
SRL215 00+50S	Soil	0.9	31.9	27.7	135	0.2	23.0	13.1	449	2.63	9.6	0.6	1.1	3.5	155	0.5	2.3	0.2	30	8.54	0.091
SRL215 00+75S	Soil	0.9	26.8	32.7	152	0.2	20.4	9.0	287	2.57	9.1	0.7	1.5	1.6	27	0.4	1.9	0.3	25	1.32	0.089
SRL215 01+00S	Soil	0.6	29.8	45.5	236	<0.1	22.7	14.5	395	2.88	9.3	0.3	0.8	3.5	32	0.4	1.5	0.3	15	3.16	0.049
SRL215 01+25S	Soil	0.7	34.3	26.8	90	0.1	23.7	15.0	419	3.07	8.7	0.3	1.5	2.9	22	0.3	1.5	0.3	16	1.74	0.051
SRL215 01+50S	Soil	1.6	52.9	21.6	151	0.5	33.5	13.8	463	3.26	9.8	0.8	2.5	2.5	65	0.8	1.7	0.2	67	2.75	0.141
SRL215 01+75S	Soil	0.9	35.5	26.8	100	0.2	24.0	13.4	411	2.93	8.4	0.4	1.8	2.3	22	0.3	1.2	0.3	21	1.98	0.070
SRL215 02+00S	Soil	0.9	34.1	25.9	118	0.2	22.9	15.0	425	2.88	8.2	0.6	1.7	2.4	29	0.4	1.3	0.3	23	1.54	0.080
SRL215 02+25S	Soil	1.0	35.4	20.6	88	0.2	22.6	14.0	358	2.85	5.0	0.6	1.7	1.9	20	0.2	0.8	0.3	31	1.23	0.074
SRL215 02+50S	Soil	1.0	36.0	28.3	106	0.1	25.2	15.4	481	3.07	7.8	0.4	1.7	3.1	33	0.3	1.0	0.3	21	3.06	0.069
SRL215 02+75S	Soil	0.9	36.3	14.4	64	0.2	22.7	16.3	440	2.12	4.4	0.6	1.8	2.7	180	0.4	0.8	0.2	32	10.53	0.084
SRL215 03+00S	Soil	0.8	33.4	28.2	129	0.2	23.9	13.0	345	3.08	10.7	0.4	1.9	3.0	13	0.3	1.6	0.3	23	0.86	0.063
SRL215 03+25S	Soil	1.1	42.1	19.4	94	0.3	24.9	14.3	422	2.53	8.0	0.6	2.5	2.7	91	0.6	1.2	0.3	35	6.40	0.103
SRL215 03+50S	Soil	0.9	35.1	27.2	142	0.1	23.5	13.7	420	3.04	8.9	0.4	1.0	3.1	26	0.3	1.2	0.3	21	2.12	0.065
SRL215 03+75S	Soil	1.1	30.0	33.4	257	0.2	24.2	13.7	496	3.07	9.7	0.4	1.1	2.7	29	0.4	1.1	0.3	25	2.73	0.068
SRL215 04+00S	Soil	1.1	29.0	39.0	339	0.2	24.9	13.4	511	3.26	11.1	0.4	1.2	2.3	19	0.5	1.4	0.3	23	1.41	0.065
SRL215 04+25S	Soil	1.9	35.5	35.8	149	0.3	30.1	14.1	452	3.20	14.0	0.5	3.8	2.2	38	0.5	1.3	0.3	40	1.80	0.092
SRL215 04+50S	Soil	1.4	33.5	26.6	117	0.3	24.9	13.5	514	2.63	10.0	0.4	2.1	1.7	57	0.6	1.6	0.2	34	3.34	0.089
SRL215 04+75S	Soil	1.6	36.1	39.8	125	0.2	29.0	15.1	495	3.87	13.7	0.4	1.5	3.2	36	0.5	1.7	0.3	31	1.96	0.071
SRL215 05+00S	Soil	1.0	32.9	23.9	123	0.2	22.0	14.2	506	3.62	9.6	0.3	0.6	2.3	27	0.5	0.7	0.3	21	1.14	0.073
SRL215 05+25S	Soil	1.3	31.0	23.0	105	0.2	22.3	13.2	360	2.84	10.3	0.3	<0.5	2.1	97	0.4	1.1	0.3	25	6.63	0.069
SRL215 05+50S	Soil	1.8	33.8	34.7	246	0.2	27.6	13.3	533	3.38	12.5	0.4	<0.5	1.1	22	0.7	1.4	0.2	35	1.74	0.082
SRL215 05+75S	Soil	0.7	35.1	21.4	44	<0.1	20.9	12.4	572	2.42	8.8	0.2	0.6	1.8	84	0.2	0.6	0.2	16	7.14	0.062
SRL215 06+00S	Soil	1.3	26.6	21.7	92	0.2	21.3	10.7	407	3.18	8.4	0.6	0.8	1.7	28	0.4	0.7	0.3	31	1.35	0.100
SRL215 06+25S	Soil	1.9	29.4	89.2	120	0.2	37.0	43.5	1108	5.48	13.7	1.2	1.2	0.8	34	0.7	0.7	0.3	31	1.86	0.156
SRL215 06+50S	Soil	2.6	25.2	39.4	184	0.2	29.3	12.1	635	2.71	14.1	0.5	1.1	1.5	21	0.6	1.6	0.2	25	1.56	0.081
SRL215 06+75S	Soil	2.0	24.9	63.5	981	0.3	25.4	11.7	481	2.92	14.7	0.4	<0.5	1.7	55	1.0	1.5	0.2	28	6.41	0.074
SRL215 07+00S	Soil	2.7	26.9	98.7	1271	0.3	27.5	10.8	363	3.07	15.6	0.4	0.7	1.8	30	1.0	1.8	0.2	31	4.26	0.071



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

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TerraLogic Exploration Inc.

Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

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Part 2

CERTIFICATE OF ANALYSIS

YKN11000494.1

	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	2X	7TD	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	W	Zn
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	3	0.01
SRL214 16+00N	Soil	22	13	0.20	654	0.001	4	0.76	0.004	0.09	<0.1	0.12	4.4	0.2	<0.05	2	0.9	<0.2	<3	
SRL215 00+00	Soil	12	16	1.29	295	0.008	6	0.72	0.005	0.15	<0.1	0.16	5.3	0.1	<0.05	2	<0.5	<0.2	<3	
SRL215 00+25S	Soil	9	14	2.23	420	0.002	5	0.63	0.006	0.14	<0.1	0.24	4.9	0.1	<0.05	2	<0.5	<0.2	<3	
SRL215 00+50S	Soil	11	17	1.34	360	0.007	7	0.80	0.005	0.21	<0.1	0.19	5.0	0.1	<0.05	2	<0.5	<0.2	<3	
SRL215 00+75S	Soil	11	16	0.38	468	0.002	6	0.90	0.003	0.15	<0.1	0.18	3.2	0.1	0.08	2	<0.5	<0.2	<3	
SRL215 01+00S	Soil	8	11	1.46	332	0.001	6	0.64	0.005	0.20	<0.1	0.38	5.2	0.1	<0.05	2	<0.5	<0.2	<3	
SRL215 01+25S	Soil	8	11	0.80	336	0.001	6	0.60	0.004	0.16	<0.1	0.19	6.0	0.1	<0.05	2	<0.5	<0.2	<3	
SRL215 01+50S	Soil	23	35	1.16	504	0.013	9	1.43	0.004	0.22	<0.1	0.21	6.3	0.2	<0.05	4	0.6	<0.2	<3	
SRL215 01+75S	Soil	9	12	1.01	352	0.002	6	0.66	0.004	0.17	<0.1	0.15	5.5	0.1	<0.05	2	<0.5	<0.2	<3	
SRL215 02+00S	Soil	8	13	0.84	519	0.003	8	0.70	0.004	0.17	<0.1	0.19	5.6	0.1	<0.05	2	<0.5	<0.2	<3	
SRL215 02+25S	Soil	8	16	0.65	483	0.005	8	0.83	0.004	0.17	<0.1	0.17	5.7	0.1	<0.05	2	<0.5	<0.2	<3	
SRL215 02+50S	Soil	8	13	1.47	297	0.004	7	0.64	0.005	0.18	<0.1	0.14	6.2	0.1	<0.05	2	<0.5	<0.2	I.S.	
SRL215 02+75S	Soil	10	15	1.68	281	0.014	7	0.67	0.005	0.17	<0.1	0.18	5.6	0.1	<0.05	2	<0.5	<0.2	<3	
SRL215 03+00S	Soil	12	15	0.42	489	0.001	6	0.88	0.003	0.17	<0.1	0.14	5.2	0.1	<0.05	2	<0.5	<0.2	<3	
SRL215 03+25S	Soil	13	17	1.56	344	0.008	7	0.82	0.005	0.19	<0.1	0.14	5.1	0.1	<0.05	2	<0.5	<0.2	<3	
SRL215 03+50S	Soil	11	13	1.02	574	0.002	7	0.77	0.004	0.18	<0.1	0.11	5.0	0.1	<0.05	2	<0.5	<0.2	<3	
SRL215 03+75S	Soil	12	15	1.43	606	0.002	7	0.81	0.005	0.16	<0.1	0.11	4.2	0.1	<0.05	2	<0.5	<0.2	<3	
SRL215 04+00S	Soil	12	15	0.59	648	0.002	6	0.82	0.004	0.14	<0.1	0.17	4.0	0.1	<0.05	2	<0.5	<0.2	<3	
SRL215 04+25S	Soil	14	22	0.92	634	0.002	6	1.02	0.004	0.15	<0.1	0.12	4.3	0.2	<0.05	3	<0.5	<0.2	<3	
SRL215 04+50S	Soil	12	18	1.48	624	0.003	7	0.76	0.005	0.13	<0.1	0.16	4.2	0.1	0.06	2	<0.5	<0.2	<3	
SRL215 04+75S	Soil	13	19	0.43	630	0.001	5	1.12	0.003	0.15	<0.1	0.07	5.6	0.1	<0.05	3	<0.5	<0.2	<3	
SRL215 05+00S	Soil	15	15	0.36	281	0.001	6	0.76	0.003	0.15	<0.1	0.07	4.8	0.1	<0.05	2	<0.5	<0.2	<3	
SRL215 05+25S	Soil	9	15	2.30	261	0.001	6	0.72	0.008	0.14	<0.1	0.05	3.9	0.2	<0.05	2	<0.5	<0.2	<3	
SRL215 05+50S	Soil	14	20	0.68	358	0.001	4	0.95	0.003	0.08	<0.1	0.07	2.6	0.2	0.08	3	0.5	<0.2	<3	
SRL215 05+75S	Soil	11	9	1.93	178	<0.001	4	0.44	0.011	0.09	<0.1	0.04	4.1	<0.1	<0.05	1	<0.5	<0.2	I.S.	
SRL215 06+00S	Soil	13	18	0.38	287	0.001	4	0.98	0.003	0.09	<0.1	0.04	2.9	0.1	0.10	3	0.5	<0.2	<3	
SRL215 06+25S	Soil	15	18	0.35	1547	0.003	7	1.24	0.003	0.08	<0.1	0.05	2.3	0.1	0.17	3	0.5	<0.2	<3	
SRL215 06+50S	Soil	14	16	0.50	370	0.001	4	0.63	0.003	0.08	<0.1	0.14	2.4	0.3	<0.05	2	0.7	<0.2	4	
SRL215 06+75S	Soil	11	17	2.27	328	0.001	5	0.77	0.007	0.10	<0.1	0.08	3.1	0.2	<0.05	2	<0.5	<0.2	<3	
SRL215 07+00S	Soil	11	18	2.13	333	0.001	5	0.86	0.006	0.10	<0.1	0.11	3.1	0.2	<0.05	2	0.6	<0.2	<3	



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

TerraLogic Exploration Inc.

Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 Canada

Project:

Selwyn Recce

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Part 1

CERTIFICATE OF ANALYSIS

YKN11000494.1

	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
SRL215 07+25S	Soil	2.3	29.0	82.5	667	0.3	26.8	10.5	362	2.72	14.2	0.5	1.8	1.9	88	1.1	1.5	0.2	40	8.50	0.094
SRL215 07+50S	Soil	2.3	24.6	115.6	589	0.3	23.8	10.8	477	2.81	13.7	0.3	0.6	1.2	45	1.1	1.1	0.2	34	7.59	0.062
SRL215 07+75S	Soil	2.4	28.9	198.0	1386	0.4	26.7	12.5	674	3.18	15.8	0.5	<0.5	1.0	26	2.0	1.6	0.2	44	3.22	0.093
SRL215 08+00S	Soil	2.9	38.1	315.5	977	0.4	32.5	13.6	558	3.31	13.8	0.6	1.4	1.4	20	1.8	1.5	0.2	69	2.14	0.109
SRL215 08+25S	Soil	4.7	33.3	311.4	255	0.1	30.2	13.2	357	3.56	17.8	0.8	0.7	2.3	8	0.5	1.2	0.3	63	0.30	0.092
SRL215 08+50S	Soil	1.8	22.2	41.2	156	0.2	17.6	9.4	472	2.17	8.6	0.7	<0.5	0.8	22	1.1	0.7	0.2	34	1.46	0.144
SRL215 08+75S	Soil	2.0	19.6	57.7	149	0.3	18.7	9.1	649	2.76	11.2	0.5	<0.5	1.3	21	1.0	0.6	0.2	34	1.73	0.125
SRL215 09+00S	Soil	9.0	26.1	32.7	193	0.1	25.0	7.0	149	2.37	15.7	0.9	0.9	0.9	3	0.3	1.7	0.2	55	0.12	0.092
SRL215 09+25S	Soil	6.4	21.3	58.2	202	0.2	23.3	8.7	245	2.93	17.2	0.6	<0.5	1.3	4	0.2	1.0	0.2	41	0.12	0.076
SRL215 09+50S	Soil	2.3	26.6	468.2	4540	0.3	25.7	8.2	422	3.29	22.8	0.6	1.6	2.5	14	3.7	1.0	0.3	30	0.82	0.081
SRL215 09+75S	Soil	1.7	39.7	6282	>10000	1.4	19.3	10.1	1401	4.21	25.7	0.4	<0.5	2.4	34	19.6	2.0	0.2	24	5.99	0.059
SRL215 10+00S	Soil	1.2	16.2	753.3	2220	0.3	14.8	8.2	443	1.87	11.2	0.3	<0.5	2.3	87	2.8	1.2	0.1	10	11.50	0.057
SRL215 10+25S	Soil	1.1	17.0	839.4	2393	0.3	15.1	8.5	462	1.97	11.4	0.3	<0.5	2.3	87	2.9	1.2	0.2	11	11.96	0.060
SRL215 10+50S	Soil	11.9	29.4	123.4	957	0.4	36.1	8.6	262	2.94	21.6	1.8	3.3	2.4	11	1.8	2.3	0.3	50	0.69	0.061
SRL215 10+75S	Soil	11.5	26.6	29.1	298	0.4	34.1	7.5	182	2.39	17.6	2.6	0.5	1.3	16	2.1	1.9	0.2	63	0.92	0.074
SRL215 11+00S	Soil	9.3	22.3	15.0	93	0.5	15.3	5.8	186	1.71	14.0	1.3	0.5	0.1	5	0.5	1.2	0.2	31	0.11	0.137
SRL215 11+25S	Soil	15.4	33.5	23.7	199	0.6	29.5	8.5	219	2.18	20.2	1.2	0.7	1.6	14	2.1	2.8	0.2	31	0.54	0.085
SRL215 11+50S	Soil	15.5	49.5	34.1	251	1.1	43.5	10.8	242	2.98	27.7	1.7	2.0	3.0	11	2.0	3.2	0.3	40	0.32	0.086
SRL215 11+75S	Soil	9.4	20.2	24.3	117	0.2	14.6	5.5	107	2.31	16.9	1.5	0.9	1.3	9	0.4	1.4	0.2	56	0.21	0.099
SRL215 12+00S	Soil	11.2	43.4	35.3	161	0.7	39.7	15.4	294	3.20	22.8	1.4	1.2	3.4	9	1.0	2.6	0.3	42	0.24	0.085
SRL216 00+00	Soil	1.9	52.0	10.2	138	0.5	31.9	11.2	282	2.10	8.1	0.9	1.9	3.3	310	1.3	1.4	<0.1	77	13.54	0.166
SRL216 00+25E	Soil	1.7	48.9	11.0	136	0.6	27.5	9.7	249	1.97	8.8	1.0	2.3	3.4	265	1.6	1.7	0.1	69	11.92	0.171
SRL216 00+50E	Soil	1.5	43.1	12.3	142	0.6	25.4	6.0	114	2.03	7.6	0.9	2.7	1.3	46	1.2	1.5	0.1	63	1.53	0.164
SRL216 00+75E	Soil	2.5	57.5	15.2	191	0.7	34.9	11.1	295	2.77	11.4	0.9	4.0	3.6	44	1.7	2.0	0.2	93	1.47	0.184
SRL216 01+00E	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SRL216 01+25E	Soil	2.0	51.5	14.1	161	0.7	27.8	10.4	316	2.18	9.8	1.1	4.9	3.9	253	1.8	2.1	0.1	75	10.31	0.187
SRL216 01+50E	Soil	1.0	28.3	26.0	89	0.2	22.9	13.2	514	2.58	10.0	0.4	<0.5	2.8	48	0.2	2.1	0.3	14	4.82	0.069
SRL216 01+75E	Soil	1.1	32.2	35.1	121	<0.1	25.1	14.0	381	3.15	12.4	0.5	<0.5	3.2	18	0.3	2.6	0.4	13	1.47	0.060
SRL216 02+00E	Soil	0.8	25.2	25.7	68	<0.1	21.5	12.5	462	2.54	8.8	0.3	1.3	3.2	37	0.2	1.8	0.3	9	3.89	0.048
SRL216 02+25E	Soil	1.3	46.1	46.1	204	0.1	33.4	20.2	512	3.56	15.4	0.6	1.6	2.8	15	0.3	1.7	0.5	15	0.86	0.053



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Part 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	2X	7TD	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	W	Zn
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	3	0.01
SRL215 07+25S	Soil	12	22	3.05	243	0.005	7	1.02	0.008	0.14	<0.1	0.07	3.5	0.2	<0.05	3	<0.5	<0.2	<3	
SRL215 07+50S	Soil	10	20	3.80	365	0.001	3	0.85	0.009	0.08	<0.1	0.07	2.5	0.2	<0.05	2	<0.5	<0.2	<3	
SRL215 07+75S	Soil	13	24	1.53	470	0.002	4	1.10	0.005	0.09	<0.1	0.12	2.0	0.2	0.09	3	<0.5	<0.2	<3	
SRL215 08+00S	Soil	15	35	0.84	674	0.003	5	1.53	0.004	0.14	<0.1	0.13	3.0	0.2	0.07	4	<0.5	<0.2	<3	
SRL215 08+25S	Soil	13	28	0.50	716	0.001	4	1.46	0.002	0.12	<0.1	0.05	3.4	0.3	<0.05	4	0.6	<0.2	<3	
SRL215 08+50S	Soil	6	18	0.21	930	0.002	3	1.09	0.003	0.07	<0.1	0.07	1.6	0.2	0.15	3	0.7	<0.2	<3	
SRL215 08+75S	Soil	12	19	0.27	574	0.002	3	0.87	0.003	0.06	<0.1	0.06	2.3	0.2	0.10	2	<0.5	<0.2	<3	
SRL215 09+00S	Soil	7	12	0.12	219	0.002	4	0.89	0.001	0.09	<0.1	0.03	1.6	0.6	<0.05	3	<0.5	<0.2	<3	
SRL215 09+25S	Soil	3	11	0.08	294	0.001	2	0.82	0.001	0.08	<0.1	0.02	1.9	0.4	<0.05	3	<0.5	<0.2	<3	
SRL215 09+50S	Soil	8	16	0.27	562	0.002	7	0.93	0.003	0.15	<0.1	0.18	4.6	0.2	0.08	3	0.9	<0.2	<3	
SRL215 09+75S	Soil	7	14	3.01	227	0.001	5	0.58	0.004	0.09	<0.1	1.08	3.7	0.2	0.06	2	0.6	<0.2	<3	1.82
SRL215 10+00S	Soil	6	9	3.25	365	<0.001	4	0.26	0.008	0.07	<0.1	0.34	2.6	<0.1	0.07	<1	0.5	<0.2	<3	
SRL215 10+25S	Soil	6	9	3.34	397	<0.001	4	0.26	0.008	0.06	<0.1	0.33	2.7	<0.1	0.09	<1	<0.5	<0.2	<3	
SRL215 10+50S	Soil	10	10	0.12	439	0.002	4	0.64	0.002	0.11	<0.1	0.15	4.0	0.7	<0.05	2	1.0	<0.2	I.S.	
SRL215 10+75S	Soil	8	10	0.17	574	<0.001	3	0.71	0.002	0.07	<0.1	0.11	2.7	0.7	0.06	2	0.9	<0.2	<3	
SRL215 11+00S	Soil	6	8	0.07	208	<0.001	1	0.57	0.002	0.06	<0.1	0.05	0.3	0.4	<0.05	2	0.9	<0.2	<3	
SRL215 11+25S	Soil	10	6	0.10	223	<0.001	2	0.32	0.002	0.08	<0.1	0.07	2.1	0.3	<0.05	<1	0.9	<0.2	<3	
SRL215 11+50S	Soil	15	9	0.14	309	0.002	4	0.55	0.002	0.12	<0.1	0.20	4.3	0.6	<0.05	2	1.7	<0.2	<3	
SRL215 11+75S	Soil	8	11	0.11	331	0.001	2	0.83	0.002	0.07	<0.1	0.02	1.8	0.3	<0.05	3	0.5	<0.2	<3	
SRL215 12+00S	Soil	19	15	0.25	353	0.001	3	0.72	0.001	0.12	<0.1	0.09	4.6	0.4	<0.05	2	1.4	<0.2	<3	
SRL216 00+00	Soil	16	41	1.55	439	0.041	9	1.12	0.005	0.19	<0.1	0.10	4.1	0.1	<0.05	4	0.7	<0.2	<3	
SRL216 00+25E	Soil	17	28	1.47	283	0.015	8	1.04	0.005	0.18	<0.1	0.10	4.1	0.1	<0.05	3	0.6	<0.2	<3	
SRL216 00+50E	Soil	19	28	0.90	304	0.006	8	1.19	0.006	0.15	<0.1	0.09	2.8	0.1	0.09	3	0.8	<0.2	<3	
SRL216 00+75E	Soil	24	36	1.30	342	0.009	13	1.67	0.004	0.29	<0.1	0.10	5.4	0.2	<0.05	5	0.8	<0.2	<3	
SRL216 01+00E	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
SRL216 01+25E	Soil	21	29	1.35	317	0.031	14	1.33	0.004	0.26	<0.1	0.11	5.0	0.2	<0.05	4	<0.5	<0.2	<3	
SRL216 01+50E	Soil	8	9	2.07	220	0.001	4	0.42	0.007	0.10	<0.1	0.17	4.3	0.1	<0.05	1	<0.5	<0.2	<3	
SRL216 01+75E	Soil	8	9	0.63	216	0.001	4	0.47	0.003	0.11	<0.1	0.15	5.0	0.1	<0.05	1	0.6	<0.2	<3	
SRL216 02+00E	Soil	6	6	1.66	190	0.001	4	0.30	0.005	0.09	<0.1	0.17	4.5	<0.1	<0.05	<1	<0.5	<0.2	<3	
SRL216 02+25E	Soil	6	10	0.39	187	0.001	3	0.41	0.002	0.11	<0.1	0.19	5.1	0.1	<0.05	1	0.5	<0.2	<3	