

**ASSESSMENT REPORT
GEOCHEMICAL**

on the claims:

DROMA (1-119)
(YE52141-YE52259)

MAYO MINING DISTRICT
N.T.S.: 106 B/2 and 106 B/3

Centred on:

Latitude: 64⁰ 10' 49.7", Longitude: 130⁰ 57' 11.6" W
(405 092 mE, 7 118 581 mN – NAD 83 ZONE 9)

for:

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April 22, 2012
Field Work Performed: August 27th, 2011

SUMMARY

The “Droma Property” (Droma claims 1-119) is situated at the east edge of the Yukon at the Yukon-Northwest Territory border ; approximately 250 kilometres east-northeast of the town of Mayo. The property consists of one contiguous group of 119 quartz claim units for a total area of 2210 hectares. A brief geochemical sampling program during a one day period August 27th, 2011 was completed at an expenditure of \$ **10,808.89**. 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, no government minfiles are on the property. 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 21 samples were collected on the property: 10 stream sediments, 9 soils and 2 rocks. Although results for gold were insignificant –base-metals results were encouraging from one float sample (JKSRR014) which returned 4675 ppm Zn, 4438.1 ppm Pb, 5.6 ppm Ag.

The sample density and coverage of the Droma Property is very low and interpretation with conclusive comments would be premature at this point. More work is warranted and recommendations include: a pre-field airphoto analysis of structure and geology; property scale contour soiling; infill stream sediment sampling; prospecting; and follow up of sample JKSRR014.

Table of Contents

Introduction.....	1
Location, Physiography and Access.....	1
Tenure Description.....	3
History.....	6
Geology.....	9
Regional Geology.....	9
Property Geology.....	11
2011 Exploration Program.....	11
Introduction.....	11
Geochemical Sample Procedure.....	11
Geochemical Results.....	11
Interpretation and Conclusions.....	14
Recommendations.....	14
References.....	15

List of Figures

Figure 1 – Property Location.....	2
Figure 2 – Art Claims Tenure.....	8
Figure 3 – Regional Geology.....	10
Figure 4 – Property Geology.....	12
Figure 5 – Sample Location and Geochemistry Map.....	13

List of Tables

Table 1 – Tenure Summary.....	3
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List of Appendices

Appendix I – Statement of Qualifications	
Appendix II – Statement of Expenditures	
Appendix III - Geochemical Protocol	
Appendix IV – Silt Sample Descriptions	
Appendix V – Soil Sample Descriptions	
Appendix VI – Rock Sample Descriptions	
Appendix VII – Analytical Certificates	

INTRODUCTION

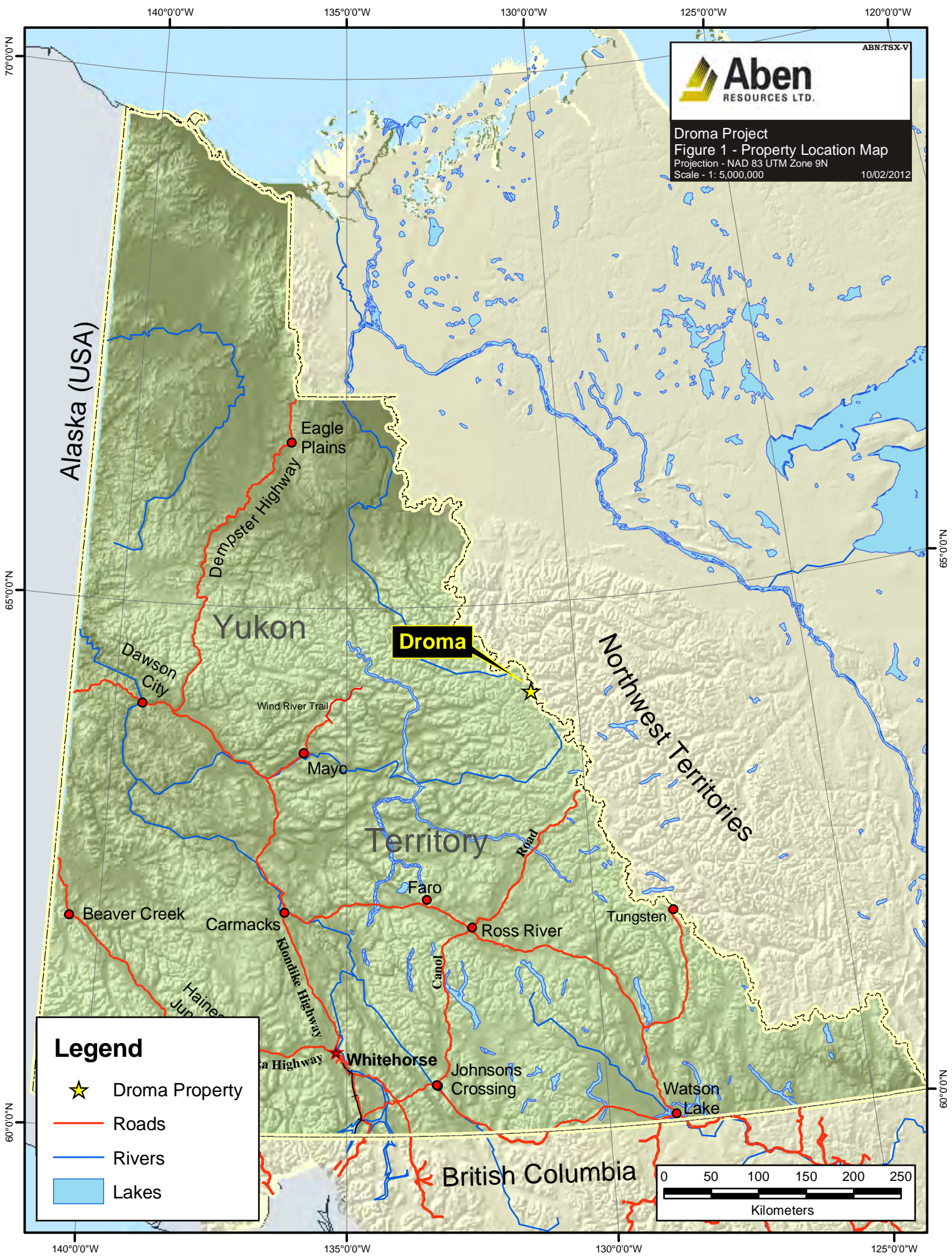
The prime objective of the 2011 exploration program was to conduct cursory geochemistry on the claims and assess the results for gold and base-metal potential.

Location, Physiography and Access

The Droma Property is situated at the east edge of the Yukon at the Yukon-Northwest Territory border centered on north latitude $64^{\circ} 10' 49.7''$ and west longitude $130^{\circ} 57' 11.6''$ W or 405 092 mE and 7 118 581 mN – NAD 83 ZONE 9. The property is on N.T.S. mapsheets 106 B/2 and 106 B/3 and located approximately 250 kilometres east-northeast of Mayo, Yukon or 230 kilometres southwest of Norman Wells, N.W.T. Refer to Figure 1.

Relief ranges from 1300 metres above sea level in the valley bottom at the south end of the property; to 2100 metres in the northwest part of the property. The broad glaciated valley trending northeast in the central part of the claim block is a tributary of the South Stewart River. Steep cliffs and ridges with alpine terrain typify the northwest part of the claim block.

Access is by helicopter only. During the 2011 field season the Droma Property was accessed from the outfitter camp at Willow Handle Lake – 55 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 west of the property; and possibly Bonnet Plume Lake, 50 kilometres west-northwest of the property. The closest commercial fixed-wing and helicopter base is at Norman Wells, N.W.T.



Droma Project
Figure 1 - Property Location Map
Projection - NAD 83 UTM Zone 9N
Scale - 1: 5,000,000
10/02/2012

Alaska (USA)

Yukon

Territory

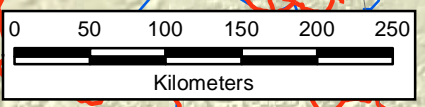
Northwest Territories

British Columbia

Droma

Legend

- ★ Droma Property
- Roads
- Rivers
- Lakes



Tenure Description

The Droma Property consists of a contiguous group of 119 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 2210 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	Claim Number	Owner	Recorded Date	Expiry Date
Droma 1	YE52141	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 2	YE52142	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 3	YE52143	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 4	YE52144	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 5	YE52145	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 6	YE52146	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 7	YE52147	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 8	YE52148	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 9	YE52149	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 10	YE52150	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 11	YE52151	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 12	YE52152	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 13	YE52153	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 14	YE52154	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 15	YE52155	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 16	YE52156	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 17	YE52157	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 18	YE52158	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 19	YE52159	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 20	YE52160	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 21	YE52161	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 22	YE52162	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 23	YE52163	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 24	YE52164	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 25	YE52165	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 26	YE52166	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 27	YE52167	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 28	YE52168	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 29	YE52169	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 30	YE52170	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 31	YE52171	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12

Claim Name	Claim Number	Owner	Recorded Date	Expiry Date
Droma 32	YE52172	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 33	YE52173	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 34	YE52174	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 35	YE52175	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 36	YE52176	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 37	YE52177	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 38	YE52178	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 39	YE52179	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 40	YE52180	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 41	YE52181	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 42	YE52182	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 43	YE52183	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 44	YE52184	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 45	YE52185	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 46	YE52186	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 47	YE52187	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 48	YE52188	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 49	YE52189	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 50	YE52190	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 51	YE52191	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 52	YE52192	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 53	YE52193	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 54	YE52194	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 55	YE52195	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 56	YE52196	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 57	YE52197	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 58	YE52198	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 59	YE52199	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 60	YE52200	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 61	YE52201	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 62	YE52202	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 63	YE52203	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 64	YE52204	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 65	YE52205	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 66	YE52206	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 67	YE52207	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 68	YE52208	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 69	YE52209	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 70	YE52210	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12

Claim Name	Claim Number	Owner	Recorded Date	Expiry Date
Droma 71	YE52211	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 72	YE52212	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 73	YE52213	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 74	YE52214	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 75	YE52215	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 76	YE52216	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 77	YE52217	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 78	YE52218	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 79	YE52219	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 80	YE52220	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 81	YE52221	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 82	YE52222	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 83	YE52223	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 84	YE52224	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 85	YE52225	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 86	YE52226	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 87	YE52227	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 88	YE52228	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 89	YE52229	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 90	YE52230	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 91	YE52231	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 92	YE52232	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 93	YE52233	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 94	YE52234	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 95	YE52235	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 96	YE52236	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 97	YE52237	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 98	YE52238	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 99	YE52239	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 100	YE52240	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 101	YE52241	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 102	YE52242	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 103	YE52243	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 104	YE52244	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 105	YE52245	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 106	YE52246	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 107	YE52247	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 108	YE52248	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 109	YE52249	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12

Claim Name	Claim Number	Owner	Recorded Date	Expiry Date
Droma 110	YE52250	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 111	YE52251	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 112	YE52252	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 113	YE52253	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 114	YE52254	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 115	YE52255	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 116	YE52256	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 117	YE52257	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 118	YE52258	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12
Droma 119	YE52259	Aben Resources Ltd./6092 N.W.T. Ltd	24-May-11	24-May-12

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

History

There is no evidence of previous work done on the Droma Property and there are no government minfiles on the property. The Droma Property and surrounding area to this date, are very much unexplored. 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. This minfile # 106 013 is 20 km NNW of the Droma 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.

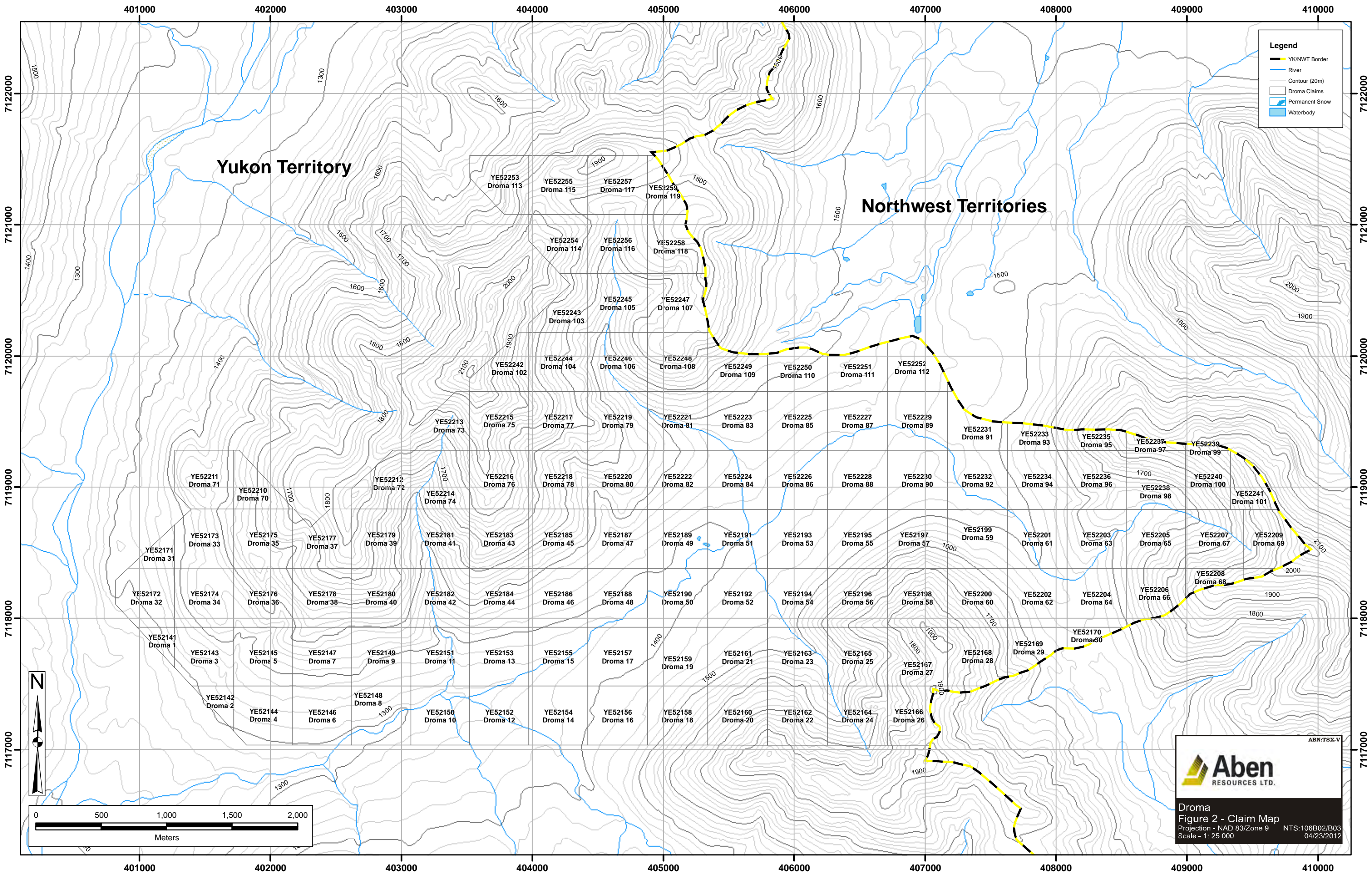
1982 – M.P. Cecile of the Geological Survey of Canada publishes Bulletin 335 on the lower Paleozoic Misty Creek Embayment.

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 situated along the Yukon/NWT border.

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

2011 – Aben Resources Ltd. stakes the Droma claims over prospective carbonate stratigraphy 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 latest updated (November 25th, 2011) work under project leader B. Fischer of the Geoscience Office, Northwest Territories.

The major tectonic elements referred to in 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.

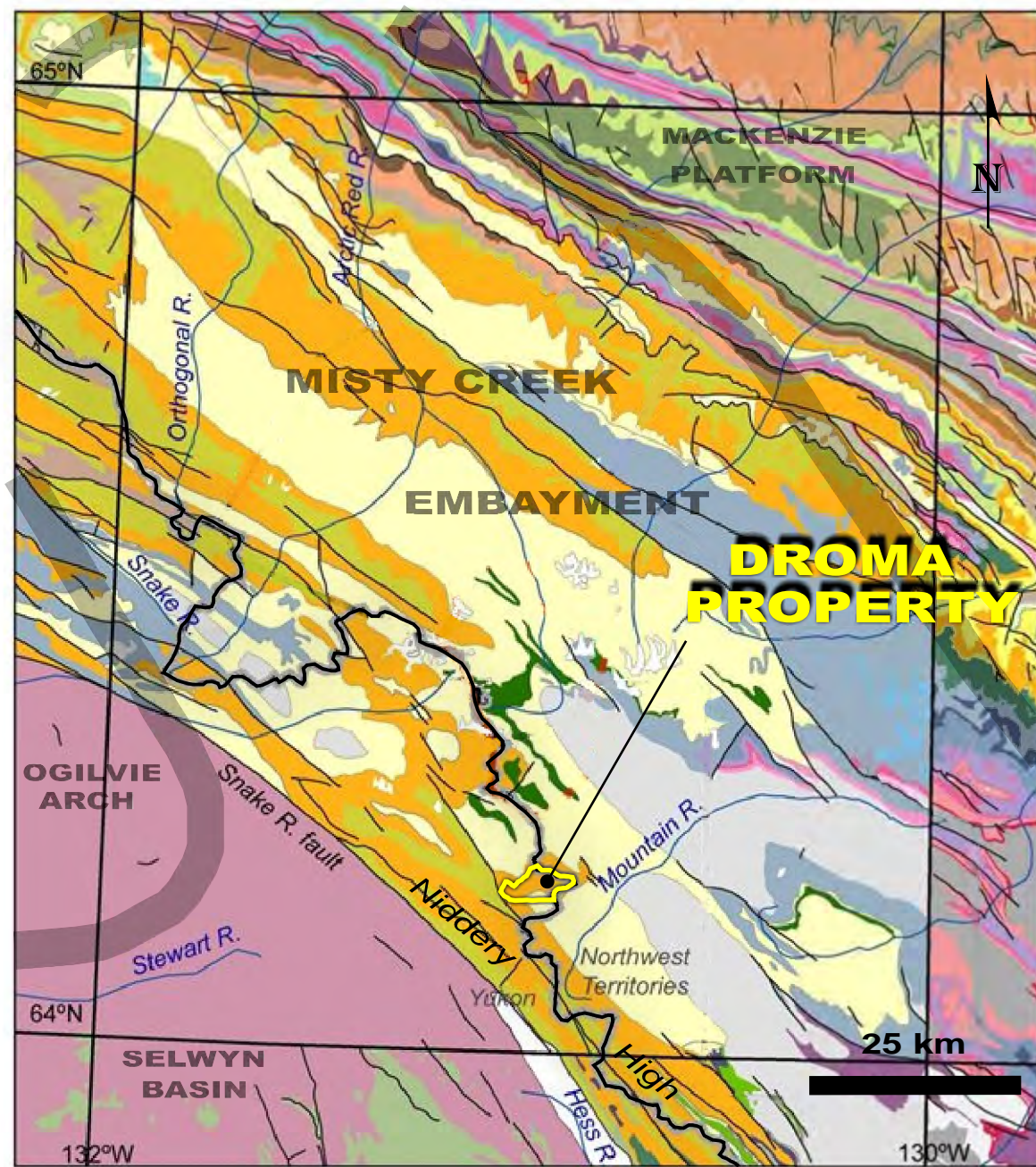
The Lower Paleozoic basinal rocks in 106B were deposited in an embayment, known as the Misty Creek embayment, whose development initiated off the NE edge of the Selwyn basin in the Early or Middle Cambrian. The embayment continued to deepen as a result of recurrent incipient rifting throughout the Ordovician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

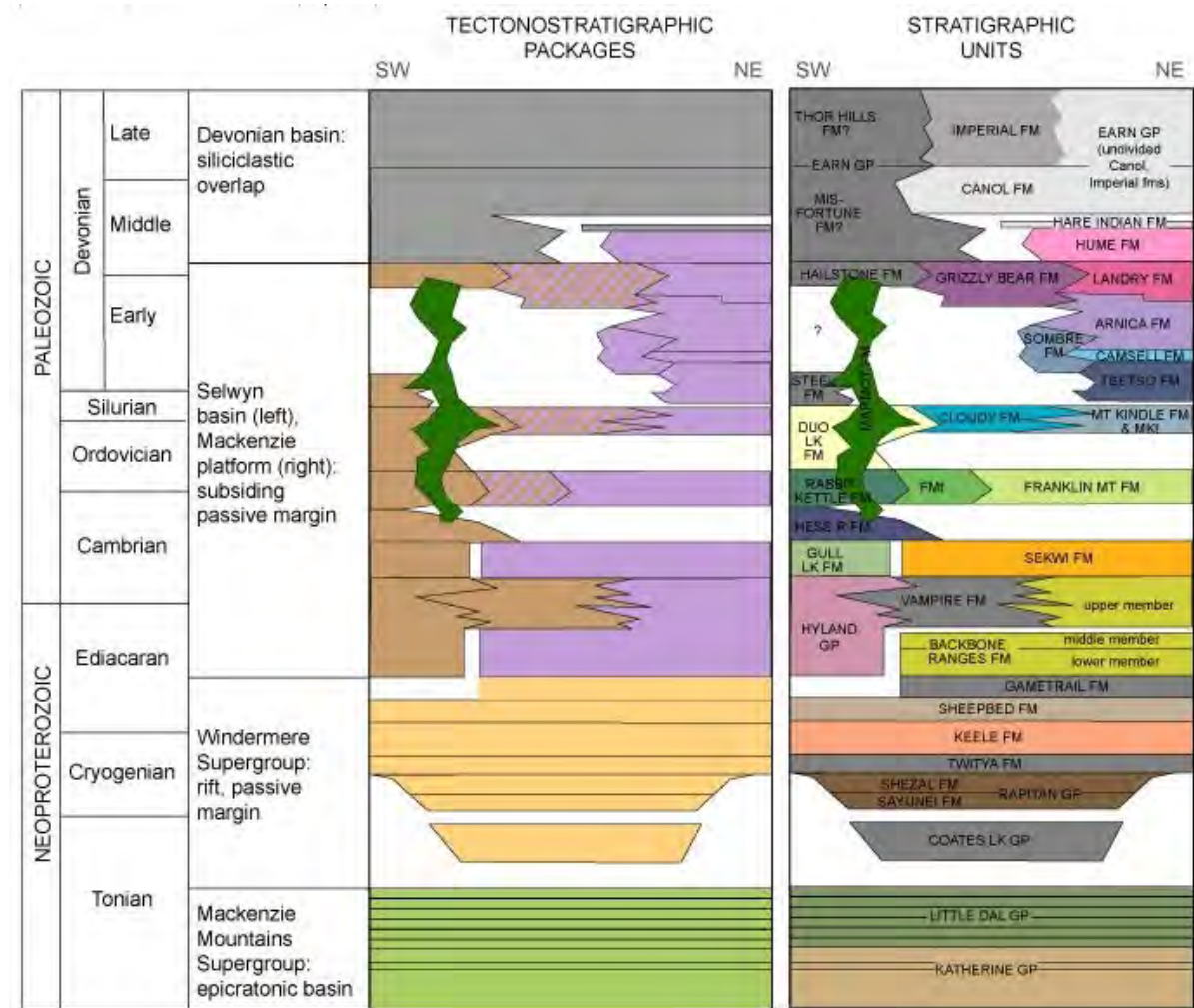
Carbonate rocks of the Mackenzie platform are exposed in the eastern and northeastern parts of 106B. These rocks include the Early Cambrian Sekwi Fm., which was deposited as a carbonate ramp and open shelf along the margins of the Selwyn basin before development of the Misty Creek embayment, and younger 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.



PLAN



STRATIGRAPHY
lithological units colour coded to plan map



REGIONAL GEOLOGY

* modified from latest updated (Nov. 2011) work by B. Fischer from www.nwtgeoscience.ca/minerals/selwyn-mackenzie

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 Droma Property is overlain predominantly by Lower Cambrian Sekwi Formation; and 10% of the property shows Ordovician-Devonian Road River mapped in the south central edge and northwest 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 Droma 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.

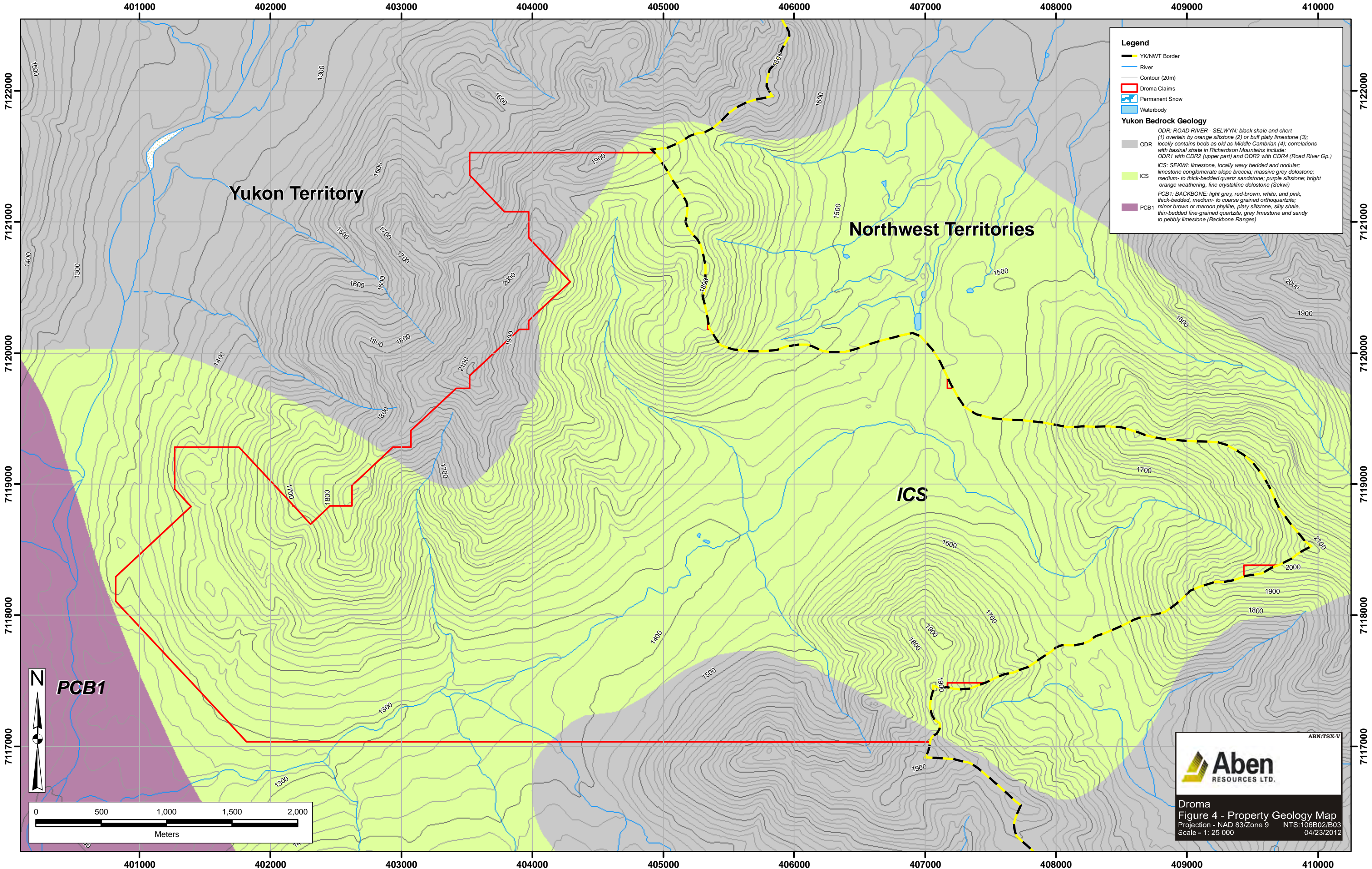
The exploration conducted on the Droma Property was a cursory reconnaissance geochemical program to assess gold and base-metal potential in carbonate rocks of the Sekwi Formation. The work was completed by a crew of three over a one day period - August 27th, 2011 – the crew was flown by helicopter to the property from the Willow Handle base-camp. A total of 21 samples were collected on the property: 10 stream sediments, 9 soils and 2 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 Droma Property during the 2011 exploration program described in this report.

Geochemical Results

Results for gold were insignificant – best results were from a float sample (JKSRR014) of massive limestone with 1% pyrite in veinlets that returned 7 ppb Au. Regarding base-metals; the same float (JKSRR014) returned 4675 ppm Zn, 4438.1 ppm Pb, 5.6 ppm Ag.



Legend

- YK/NWT Border
- River
- Contour (20m)
- Droma Claims
- Permanent Snow
- Waterbody

Yukon Bedrock Geology

ODR: ROAD RIVER - SELWYN: black shale and chert (1) overlain by orange siltstone (2) or buff platy limestone (3); locally contains beds as old as Middle Cambrian (4); correlations with basinal strata in Richardson Mountains include: ODR1 with CDR2 (upper part) and ODR2 with CDR4 (Road River Gp.)

ICS: SEKWI: limestone, locally wavy bedded and nodular; limestone conglomerate slope breccia; massive grey dolostone; medium- to thick-bedded quartz sandstone; purple siltstone; bright orange weathering, fine crystalline dolostone (Sekwi)

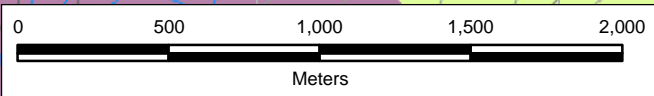
PCB1: BACKBONE: light grey, red-brown, white, and pink, thick-bedded, medium- to coarse grained orthoquartzite; minor brown or maroon phyllite, platy siltstone, silty shale, thin-bedded fine-grained quartzite, grey limestone and sandy to pebbly limestone (Backbone Ranges)

Yukon Territory

Northwest Territories

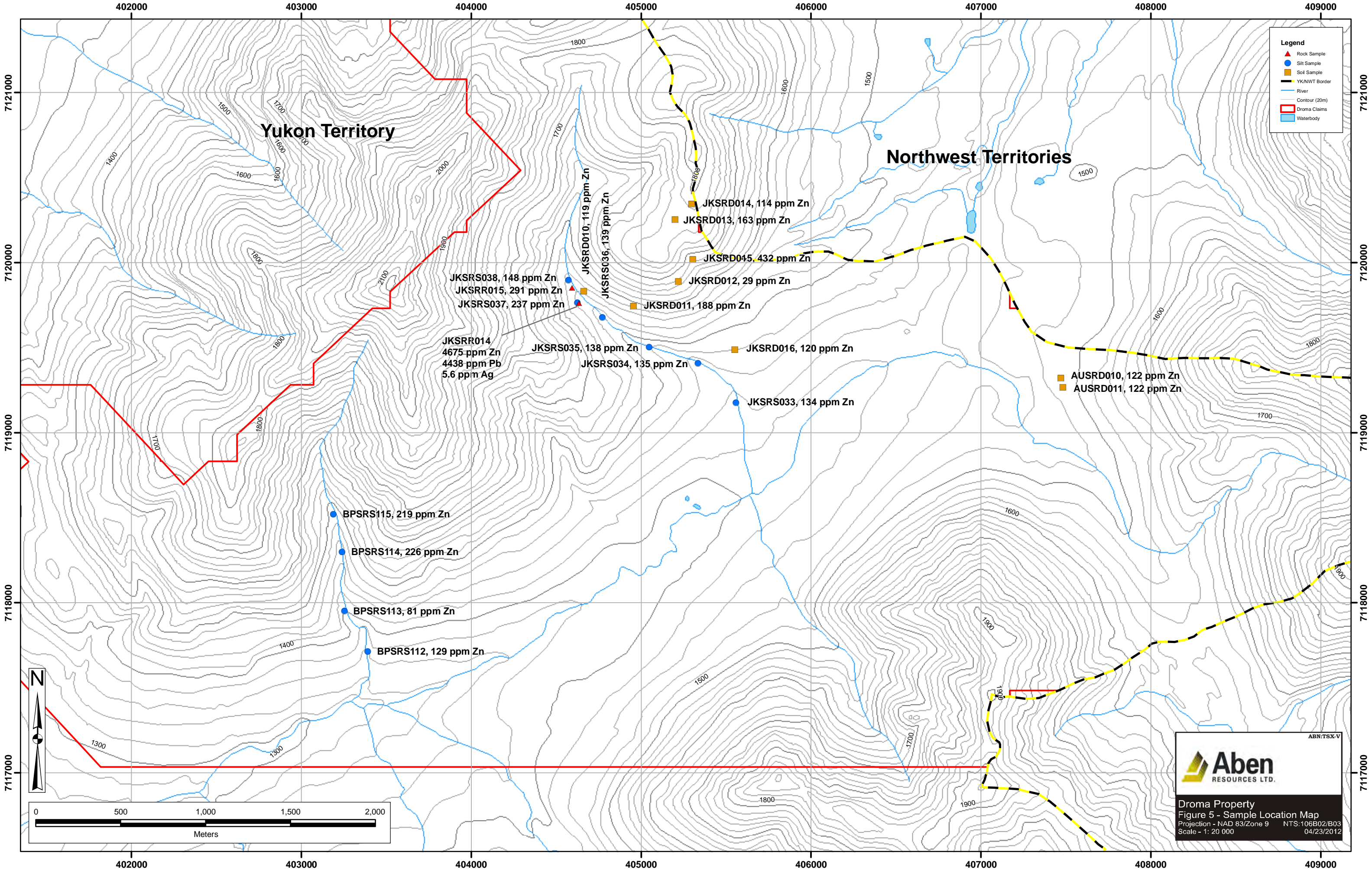
ICS

PCB1



Aben
RESOURCES LTD.

Droma
Figure 4 - Property Geology Map
Projection - NAD 83/Zone 9 NTS:106B02/B03
Scale - 1: 25 000 04/23/2012



Aben
RESOURCES LTD.

Droma Property
Figure 5 - Sample Location Map
Projection - NAD 83/Zone 9 NTS:106B02/B03
Scale - 1: 20 000 04/23/2012

ABN:TSX-V

INTERPRETATION AND CONCLUSIONS

The sample density and coverage of the Droma Property is very low and interpretation with conclusive comments would be premature at this point. As a general comment; the platformal ramped carbonate facies of the Sekwi Formation is a good geological environment for lead-zinc-silver mineralization potential; more coverage is needed to fully assess the property – particularly the gold potential of the property.

RECOMMENDATIONS

Recommendations for the Art Property include:

- 1) Pre-field airphoto analysis of structure and geology
- 2) Property scale contour soiling
- 3) Infill stream sediment sampling
- 4) Prospecting and follow up of sample JKSRR014

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.

Anaconda Canada Expl. Ltd.

Selco Ltd.

BP Minerals Ltd.

OBI Resources Ltd.

Anglo American

Archer, Cathro & Associates (1981) Ltd.

Kinross Gold

Mt. Skukum Gold Mining Corp.

Total Energold Corp.

North American Metals Corp.

Kennecott Canada Inc.

Aurum Geological Consultants Inc.

Yukon Territorial Government

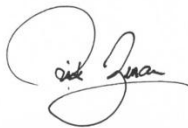
Indian and Northern Affairs Canada

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 Droma Claims.
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

Droma 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	
Jason Kolcun, Geological Technician and GIS		1.0	425	425	
				\$750.00	\$750.00
Geochemical					
Surveying					
		No.	Rate	Subtotal	
Stream sediment		10.0	\$25.05	\$250.50	
Soil		9.0	\$25.05	\$225.45	
Rock		2.0	\$35.06	\$70.12	
				\$546.07	\$546.07
Transportation					
		No.	Rate	Subtotal	
Helicopter (hours)		1.20	\$1,590.00	\$1,908.00	
Fuel (litres/hour)		173.00	\$6.00	\$1,038.00	
				\$2,946.00	\$2,946.00
Shared Costs from entire program	Includes all costs for camp personnel, fuel and supplies, airfare, sampling costs, equipment rental costs	No of person days	Rate per person day	Subtotal	
		3.00	2011.33	\$6,033.99	
				\$6,033.99	\$6,033.99
TerraLogic Exploration Handling and Administration Fees on 3rd Party Disbursements					
				\$532.83	\$532.83
<hr/> TOTAL Expenditures					\$10,808.89

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
Contractors and Subcontractors					
		Trans Polar Geological -			
Geological		Planning			\$2,906.68
					\$2,906.68
Wildlife and Environmental					
	Clarify		No.	Rate	Subtotal
Monitoring		Tulita Renewable Resource			
		Council Montiors			\$26,642.31
Monitoring		Norman Wells Renewable			
		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	
Airfare	Northwright Airways Camp Service and Transport			\$257,377.58	
Airfare	Alkan Air - Mob in and out 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	
Sampling Consumables	sample bags, tags, flagging, 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
Steroscope		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 bulk 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 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.

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.

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
BPSRS112	BP	27-Aug-11	403391	7117716	9N	MED	5	5	3
BPSRS113	BP	27-Aug-11	403252	7117953	9N	MED	5	5	3
BPSRS114	BP	27-Aug-11	403238	7118300	9N	MED	5	5	4
BPSRS115	BP	27-Aug-11	403188	7118521	9N	MED	5	5	3
BPSRS116	BP	27-Aug-11	402434	7116837	9N	MED	5	5	3
BPSRS117	BP	27-Aug-11	402658	7116089	9N	MED	5	5	3
JKSRS033	JK	27-Aug-11	405558	7119175	9N	MED	5	5	4
JKSRS034	JK	27-Aug-11	405334	7119409	9N	MED	5	5	4
JKSRS035	JK	27-Aug-11	405048	7119504	9N	MED	5	5	4
JKSRS036	JK	27-Aug-11	404771	7119678	9N	MED	5	5	5
JKSRS037	JK	27-Aug-11	404625	7119765	9N	VERY LOW	5	5	3
JKSRS038	JK	27-Aug-11	404572	7119899	9N	MED	5	5	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
JKSRD016	SR	JK	27/08/2011	16:10	DIRT	ASSAY	GPS		1486	405552	7119488	9N
JKSRD015	SR	JK	27/08/2011	15:44	DIRT	ASSAY	GPS		1684	405303	7120020	9N
JKSRD014	SR	JK	27/08/2011	15:26	DIRT	ASSAY	GPS		1799	405297	7120346	9N
JKSRD013	SR	JK	27/08/2011	15:13	DIRT	ASSAY	GPS		1784	405199	7120253	9N
JKSRD012	SR	JK	27/08/2011	13:57	DIRT	ASSAY	GPS		1682	405218	7119891	9N
JKSRD011	SR	JK	27/08/2011	13:56	DIRT	ASSAY	GPS		1595	404955	7119745	9N
JKSRD010	SR	JK	27/08/2011	13:04	DIRT	ASSAY	GPS		1562	404662	7119833	9N
AUSRD011	SR	AU	27/08/2011	16:29	DIRT	ASSAY	GPS			407483	7119267	9N
AUSRD010	SR	AU	27/08/2011	16:28	DIRT	ASSAY	GPS			407470	7119321	9N
AUSRD009	SR	AU	27/08/2011	15:56	DIRT	ASSAY	GPS			407619	7120307	9N
AUSRD008	SR	AU	27/08/2011	15:42	DIRT	ASSAY	GPS			407666	7120279	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
JKSRD016	9	brown	NA	0 - 20	5	B	5	N/A	
JKSRD015	6	brown	NA	20 - 40	25	B	4	N/A	
JKSRD014	6	dark	brown	0 - 20	15	B	4	N/A	
JKSRD013	6	dark	brown	0 - 20	15	B	4	N/A	
JKSRD012	6	brown	orange	20 - 40	25	B	4	ROCKY	
JKSRD011	6	grey	NA	20 - 40	35	B	4	N/A	
JKSRD010	6	brown	grey	20 - 40	25	B	4	ROCKY	
AUSRD011	3								
AUSRD010	4								
AUSRD009	7								
AUSRD008	7								

Appendix VI - Rock Sample Descriptions

SAMP_NUM	RSAMP_PROJ	USERNAME	SAMP_DATE	SAMP_TYPE	MP_UTM	SAMP_UTM_Y	RSAMP_CHANNEL_M	RSAMP_CHANNEL_AZ	MAP_UNIT	RTYPE_MAJ	RTYPE_MIN	COLOUR_FRSH
JKSRR014	SR	JK	27-Aug-11	FLOAT	404635	7119762			ICS	Limestone	SELECT	dark grey
JKSRR015	SR	JK	27-Aug-11	FLOAT	404594	7119853			ICS	Limestone	SELECT	dark 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	RSAMP_DESC
JKSRR014	buff	very fine	massive	SELECT	pyrite	SELECT	VEINLETS	1	SELECT		
JKSRR015	buff	very fine	massive	SELECT	pyrite	SELECT	NODULAR	1	SELECT		

Appendix VII – Analytical Certificates

7.1 – TqemSamples

7.2 - Silt Samples

7.3 - Soil Samples

7.1 - Rock Samples



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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

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

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.
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CC: Jesse Campbell



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.



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Project: Selwyn Recce
Report Date: November 14, 2011

Page: 2 of 3 Part 3

CERTIFICATE OF ANALYSIS

YKN11000412.1

Method Analyte		7TD	7TD	7TD	7TD.1	7TD.1
		Pb	Zn	Ag	Pb	Zn
Unit		%	%	gm/t	%	%
MDL		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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Project: Selwyn Recce
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Page: 3 of 3 Part 1

CERTIFICATE OF ANALYSIS

YKN11000412.1

Method	Analyte	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	V
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		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	<2
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	<2
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	<2
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	<2
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	<2
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	<2
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	<2
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	<2
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	<2
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	36
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	9
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	12
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	44
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	4
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	41
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	21
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	4
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	22
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	5



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Page: 3 of 3 Part 2

CERTIFICATE OF ANALYSIS

YKN11000412.1

Method	Analyte	Unit	MDL	1DX Ca	1DX P	1DX La	1DX Cr	1DX Mg	1DX Ba	1DX Ti	1DX B	1DX Al	1DX Na	1DX K	1DX W	1DX Hg	1DX Sc	1DX Ti	1DX S	1DX Ga	1DX Se	1DX Te	2X 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

7.2 - Silt Samples



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: 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.



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 Cranbrook BC V1C 2R7 Canada

Project: Selwyn Recce
 Report Date: November 07, 2011

Page: 2 of 6 Part 1

CERTIFICATE OF ANALYSIS

YKN11000467.1

Method Analyte	1DX30																				
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	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	0.001	
AUSR008	Silt	3.9	24.5	22.9	155	0.3	34.7	9.9	269	3.05	12.1	0.6	1.4	2.8	19	0.9	1.4	0.2	75	0.57	0.064
AUSR009	Silt	4.5	28.4	20.7	143	0.3	37.9	12.5	1763	3.77	11.3	0.7	1.9	1.9	53	1.2	1.6	0.2	70	2.23	0.115
AUSR010	Silt	3.5	24.6	24.5	122	0.2	30.3	11.9	473	2.87	10.1	0.9	0.8	1.4	21	0.8	1.3	0.2	69	0.67	0.103
AUSR011	Silt	3.2	27.1	21.5	122	0.4	34.7	9.5	443	2.65	10.0	1.5	1.1	0.8	38	1.4	1.4	0.2	71	1.48	0.143
BPSRS109	Silt	1.7	7.5	66.1	66	0.1	9.4	3.5	161	0.84	4.9	0.6	0.7	1.1	56	0.3	0.4	<0.1	11	16.98	0.021
BPSRS111	Silt	33.6	25.0	14.3	104	1.6	17.0	2.1	45	23.34	70.6	1.2	3.5	2.5	33	0.7	19.6	0.1	358	0.10	0.459
BPSRS112	Silt	3.4	35.6	17.2	129	0.4	30.0	9.6	241	2.02	11.2	0.8	1.1	2.5	142	0.9	1.5	0.1	36	8.82	0.120
BPSRS113	Silt	1.9	22.1	18.3	81	0.2	23.2	11.0	327	1.74	8.8	0.8	0.7	3.3	188	0.6	0.9	0.1	21	10.30	0.081
BPSRS114	Silt	6.2	61.0	13.7	226	0.7	31.2	7.9	187	1.89	16.9	1.5	2.7	3.0	137	2.0	3.0	0.1	46	7.86	0.297
BPSRS115	Silt	7.0	58.5	16.0	219	0.7	31.6	8.5	189	2.05	18.8	1.4	3.8	3.1	130	2.0	3.1	0.1	43	6.86	0.248
BPSRS116	Silt	1.7	25.4	206.7	374	0.2	27.1	12.9	399	2.65	14.7	0.6	0.7	3.4	66	0.7	1.0	0.2	10	3.85	0.051
BPSRS117	Silt	0.6	24.3	28.7	73	<0.1	29.5	18.6	573	3.03	9.3	0.6	0.7	4.8	25	<0.1	0.4	0.3	7	0.30	0.046
JKSRS011	Silt	1.2	7.1	7.0	37	<0.1	17.6	5.3	188	1.07	3.7	0.9	<0.5	1.8	328	0.3	0.3	<0.1	10	25.90	0.037
JKSRS012	Silt	1.3	7.1	6.5	34	<0.1	17.7	5.2	202	1.10	4.2	0.9	<0.5	2.0	349	0.3	0.3	<0.1	9	27.89	0.031
JKSRS013	Silt	1.4	8.9	7.5	53	<0.1	22.7	5.8	178	1.18	4.9	1.1	0.6	1.3	210	0.3	0.3	<0.1	12	26.29	0.083
JKSRS014	Silt	0.9	6.4	5.3	59	<0.1	16.3	3.3	97	0.61	2.9	1.5	0.6	0.6	129	0.3	0.3	<0.1	13	28.69	0.128
JKSRS015	Silt	1.0	5.2	7.3	96	<0.1	13.7	2.6	74	0.33	2.6	1.0	<0.5	0.6	83	0.5	0.3	<0.1	11	28.06	0.033
JKSRS016	Silt	1.2	7.5	10.0	128	<0.1	22.1	4.4	112	0.58	3.0	1.2	<0.5	0.8	105	0.5	0.4	0.1	12	28.18	0.043
JKSRS017	Silt	1.3	7.5	7.7	72	<0.1	19.2	4.8	155	0.82	4.4	1.0	<0.5	1.1	187	0.3	0.3	<0.1	11	28.44	0.037
JKSRS026	Silt	1.9	3.6	4.6	12	<0.1	6.5	1.6	73	0.32	3.0	1.3	<0.5	0.7	70	0.1	0.2	<0.1	8	21.06	0.015
JKSRS027	Silt	2.5	4.1	6.2	16	<0.1	7.7	1.9	69	0.38	4.0	1.2	<0.5	0.9	67	<0.1	0.2	<0.1	8	20.44	0.017
JKSRS028	Silt	7.3	6.8	27.5	474	<0.1	32.4	3.1	99	0.65	6.3	4.4	<0.5	1.2	54	1.3	0.6	<0.1	21	20.85	0.145
JKSRS029	Silt	3.3	4.7	8.8	34	<0.1	9.8	2.3	75	0.41	4.8	1.4	<0.5	0.9	68	0.2	0.3	<0.1	9	21.43	0.024
JKSRS030	Silt	6.2	4.9	13.6	50	<0.1	11.3	2.4	75	0.45	6.6	1.8	<0.5	1.0	69	0.2	0.4	<0.1	10	21.45	0.028
JKSRS031	Silt	6.0	5.2	13.9	53	<0.1	12.6	2.6	75	0.46	6.6	1.9	<0.5	1.0	70	0.2	0.3	<0.1	11	21.50	0.029
JKSRS032	Silt	2.4	4.9	11.7	168	<0.1	12.6	2.0	74	0.35	4.0	1.6	<0.5	0.6	108	1.1	0.3	<0.1	12	31.51	0.062
JKSRS033	Silt	5.2	33.7	16.0	134	0.3	26.4	9.0	271	1.94	11.8	1.0	1.6	3.1	165	1.3	1.6	0.1	41	10.43	0.164
JKSRS034	Silt	5.3	34.1	16.0	135	0.3	25.9	9.0	260	1.96	12.2	1.1	1.8	3.1	178	1.2	1.8	0.1	40	11.19	0.187
JKSRS035	Silt	5.6	35.8	16.2	138	0.3	27.7	9.0	263	2.06	12.9	1.1	1.8	3.0	161	1.3	1.9	0.1	42	10.01	0.172
JKSRS036	Silt	5.5	36.9	15.4	139	0.3	26.1	9.0	258	2.00	12.7	1.1	1.7	3.1	169	1.2	1.8	0.1	42	10.38	0.181

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Project: Selwyn Recce
 Report Date: November 07, 2011

Page: 2 of 6 Part 2

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	2X	
			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	ppm	
			1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	3	
AUSR008	Silt		17	29	0.37	399	0.002	3	1.32	0.002	0.08	<0.1	0.07	3.7	0.2	<0.05	4	0.6	<0.2	<3
AUSR009	Silt		13	26	0.35	613	0.002	3	0.99	0.003	0.08	<0.1	0.06	3.1	0.2	0.09	3	1.0	<0.2	<3
AUSR010	Silt		15	29	0.42	514	0.002	3	1.36	0.003	0.08	<0.1	0.04	2.1	0.2	0.07	4	0.6	<0.2	<3
AUSR011	Silt		20	28	0.34	531	0.003	2	1.19	0.003	0.05	<0.1	0.09	2.0	0.1	0.11	3	1.3	<0.2	<3
BPSRS109	Silt		6	5	9.32	68	0.004	4	0.21	0.017	0.04	<0.1	0.03	1.1	0.2	<0.05	<1	<0.5	<0.2	<3
BPSRS111	Silt		2	46	0.03	176	0.002	8	0.38	0.006	0.13	<0.1	0.20	1.8	1.3	2.30	2	19.4	<0.2	9
BPSRS112	Silt		10	17	1.45	344	0.002	5	0.54	0.005	0.13	<0.1	0.07	3.1	0.2	<0.05	2	1.0	<0.2	<3
BPSRS113	Silt		7	12	0.99	239	0.002	4	0.40	0.003	0.07	<0.1	0.06	2.5	0.1	<0.05	1	0.6	<0.2	<3
BPSRS114	Silt		15	12	1.01	254	0.003	6	0.54	0.003	0.20	<0.1	0.11	2.7	0.2	<0.05	2	1.9	<0.2	<3
BPSRS115	Silt		15	11	0.95	255	0.003	5	0.50	0.004	0.18	<0.1	0.10	3.0	0.3	<0.05	2	1.2	<0.2	<3
BPSRS116	Silt		5	8	1.64	167	<0.001	1	0.49	0.003	0.05	<0.1	0.15	2.2	0.1	0.08	2	<0.5	<0.2	<3
BPSRS117	Silt		6	10	0.28	44	<0.001	<1	0.71	0.002	0.05	<0.1	0.02	1.9	<0.1	<0.05	2	<0.5	<0.2	<3
JKSRS011	Silt		9	6	0.50	75	0.002	2	0.27	0.004	0.05	<0.1	0.02	1.6	<0.1	<0.05	<1	<0.5	<0.2	<3
JKSRS012	Silt		9	6	0.45	67	0.001	3	0.25	0.004	0.05	<0.1	0.01	1.5	<0.1	<0.05	<1	<0.5	<0.2	<3
JKSRS013	Silt		13	9	0.57	70	0.002	3	0.35	0.004	0.07	<0.1	0.02	1.5	0.1	<0.05	<1	<0.5	<0.2	<3
JKSRS014	Silt		16	9	1.07	69	0.003	4	0.29	0.004	0.05	<0.1	0.02	1.0	0.1	<0.05	<1	0.5	<0.2	<3
JKSRS015	Silt		5	5	3.12	101	0.003	3	0.18	0.005	0.03	<0.1	0.02	0.7	<0.1	<0.05	<1	<0.5	<0.2	<3
JKSRS016	Silt		7	7	2.78	93	0.004	4	0.28	0.005	0.04	<0.1	0.03	1.2	0.1	<0.05	<1	<0.5	<0.2	<3
JKSRS017	Silt		8	6	1.28	77	0.002	2	0.25	0.004	0.04	<0.1	0.02	1.2	<0.1	<0.05	<1	<0.5	<0.2	<3
JKSRS026	Silt		3	5	10.89	71	0.002	4	0.10	0.012	0.03	<0.1	0.01	0.6	<0.1	0.06	<1	<0.5	<0.2	<3
JKSRS027	Silt		4	5	10.66	41	0.001	5	0.10	0.012	0.04	<0.1	0.01	0.9	<0.1	0.08	<1	<0.5	<0.2	<3
JKSRS028	Silt		4	9	9.37	60	0.002	6	0.18	0.009	0.05	<0.1	0.07	1.0	0.4	0.09	<1	<0.5	<0.2	<3
JKSRS029	Silt		4	6	10.91	48	0.001	5	0.12	0.012	0.04	<0.1	0.01	0.9	0.2	0.09	<1	<0.5	<0.2	<3
JKSRS030	Silt		4	6	10.67	49	0.002	5	0.12	0.012	0.05	<0.1	0.02	0.9	0.2	0.09	<1	0.7	<0.2	<3
JKSRS031	Silt		4	6	10.98	47	0.002	6	0.13	0.013	0.05	<0.1	0.02	0.9	0.3	0.11	<1	<0.5	<0.2	<3
JKSRS032	Silt		4	6	5.25	190	0.002	5	0.14	0.008	0.04	<0.1	0.01	0.7	0.1	0.07	<1	<0.5	<0.2	<3
JKSRS033	Silt		13	14	1.14	399	0.002	6	0.66	0.004	0.14	<0.1	0.07	2.8	0.2	0.06	2	1.0	<0.2	<3
JKSRS034	Silt		14	13	1.12	410	0.002	5	0.63	0.004	0.14	<0.1	0.07	2.7	0.2	0.07	2	1.3	<0.2	<3
JKSRS035	Silt		13	14	1.07	450	0.002	5	0.66	0.004	0.15	<0.1	0.08	2.7	0.2	0.07	2	1.1	<0.2	<3
JKSRS036	Silt		14	14	1.04	417	0.004	6	0.68	0.004	0.15	<0.1	0.07	2.7	0.2	0.06	2	1.0	<0.2	<3

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Project: Selwyn Recce
 Report Date: November 07, 2011

Page: 3 of 6 Part 1

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	
			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	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	0.001
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

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

Project: Selwyn Recce
Report Date: November 07, 2011

Page: 3 of 6 Part 2

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 ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	W 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

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7.3 - Soil Samples



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

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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: 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

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include: Dry at 60C (131), SS80 (131), 1DX3 (129), 2X (131).

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.



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 Cranbrook BC V1C 2R7 Canada

Project: Selwyn Recce
 Report Date: November 07, 2011

Page: 2 of 6 Part 1

CERTIFICATE OF ANALYSIS

YKN11000467.1

Method Analyte	1DX30																				
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	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	0.001	
AUSR008	Silt	3.9	24.5	22.9	155	0.3	34.7	9.9	269	3.05	12.1	0.6	1.4	2.8	19	0.9	1.4	0.2	75	0.57	0.064
AUSR009	Silt	4.5	28.4	20.7	143	0.3	37.9	12.5	1763	3.77	11.3	0.7	1.9	1.9	53	1.2	1.6	0.2	70	2.23	0.115
AUSR010	Silt	3.5	24.6	24.5	122	0.2	30.3	11.9	473	2.87	10.1	0.9	0.8	1.4	21	0.8	1.3	0.2	69	0.67	0.103
AUSR011	Silt	3.2	27.1	21.5	122	0.4	34.7	9.5	443	2.65	10.0	1.5	1.1	0.8	38	1.4	1.4	0.2	71	1.48	0.143
BPSRS109	Silt	1.7	7.5	66.1	66	0.1	9.4	3.5	161	0.84	4.9	0.6	0.7	1.1	56	0.3	0.4	<0.1	11	16.98	0.021
BPSRS111	Silt	33.6	25.0	14.3	104	1.6	17.0	2.1	45	23.34	70.6	1.2	3.5	2.5	33	0.7	19.6	0.1	358	0.10	0.459
BPSRS112	Silt	3.4	35.6	17.2	129	0.4	30.0	9.6	241	2.02	11.2	0.8	1.1	2.5	142	0.9	1.5	0.1	36	8.82	0.120
BPSRS113	Silt	1.9	22.1	18.3	81	0.2	23.2	11.0	327	1.74	8.8	0.8	0.7	3.3	188	0.6	0.9	0.1	21	10.30	0.081
BPSRS114	Silt	6.2	61.0	13.7	226	0.7	31.2	7.9	187	1.89	16.9	1.5	2.7	3.0	137	2.0	3.0	0.1	46	7.86	0.297
BPSRS115	Silt	7.0	58.5	16.0	219	0.7	31.6	8.5	189	2.05	18.8	1.4	3.8	3.1	130	2.0	3.1	0.1	43	6.86	0.248
BPSRS116	Silt	1.7	25.4	206.7	374	0.2	27.1	12.9	399	2.65	14.7	0.6	0.7	3.4	66	0.7	1.0	0.2	10	3.85	0.051
BPSRS117	Silt	0.6	24.3	28.7	73	<0.1	29.5	18.6	573	3.03	9.3	0.6	0.7	4.8	25	<0.1	0.4	0.3	7	0.30	0.046
JKSRS011	Silt	1.2	7.1	7.0	37	<0.1	17.6	5.3	188	1.07	3.7	0.9	<0.5	1.8	328	0.3	0.3	<0.1	10	25.90	0.037
JKSRS012	Silt	1.3	7.1	6.5	34	<0.1	17.7	5.2	202	1.10	4.2	0.9	<0.5	2.0	349	0.3	0.3	<0.1	9	27.89	0.031
JKSRS013	Silt	1.4	8.9	7.5	53	<0.1	22.7	5.8	178	1.18	4.9	1.1	0.6	1.3	210	0.3	0.3	<0.1	12	26.29	0.083
JKSRS014	Silt	0.9	6.4	5.3	59	<0.1	16.3	3.3	97	0.61	2.9	1.5	0.6	0.6	129	0.3	0.3	<0.1	13	28.69	0.128
JKSRS015	Silt	1.0	5.2	7.3	96	<0.1	13.7	2.6	74	0.33	2.6	1.0	<0.5	0.6	83	0.5	0.3	<0.1	11	28.06	0.033
JKSRS016	Silt	1.2	7.5	10.0	128	<0.1	22.1	4.4	112	0.58	3.0	1.2	<0.5	0.8	105	0.5	0.4	0.1	12	28.18	0.043
JKSRS017	Silt	1.3	7.5	7.7	72	<0.1	19.2	4.8	155	0.82	4.4	1.0	<0.5	1.1	187	0.3	0.3	<0.1	11	28.44	0.037
JKSRS026	Silt	1.9	3.6	4.6	12	<0.1	6.5	1.6	73	0.32	3.0	1.3	<0.5	0.7	70	0.1	0.2	<0.1	8	21.06	0.015
JKSRS027	Silt	2.5	4.1	6.2	16	<0.1	7.7	1.9	69	0.38	4.0	1.2	<0.5	0.9	67	<0.1	0.2	<0.1	8	20.44	0.017
JKSRS028	Silt	7.3	6.8	27.5	474	<0.1	32.4	3.1	99	0.65	6.3	4.4	<0.5	1.2	54	1.3	0.6	<0.1	21	20.85	0.145
JKSRS029	Silt	3.3	4.7	8.8	34	<0.1	9.8	2.3	75	0.41	4.8	1.4	<0.5	0.9	68	0.2	0.3	<0.1	9	21.43	0.024
JKSRS030	Silt	6.2	4.9	13.6	50	<0.1	11.3	2.4	75	0.45	6.6	1.8	<0.5	1.0	69	0.2	0.4	<0.1	10	21.45	0.028
JKSRS031	Silt	6.0	5.2	13.9	53	<0.1	12.6	2.6	75	0.46	6.6	1.9	<0.5	1.0	70	0.2	0.3	<0.1	11	21.50	0.029
JKSRS032	Silt	2.4	4.9	11.7	168	<0.1	12.6	2.0	74	0.35	4.0	1.6	<0.5	0.6	108	1.1	0.3	<0.1	12	31.51	0.062
JKSRS033	Silt	5.2	33.7	16.0	134	0.3	26.4	9.0	271	1.94	11.8	1.0	1.6	3.1	165	1.3	1.6	0.1	41	10.43	0.164
JKSRS034	Silt	5.3	34.1	16.0	135	0.3	25.9	9.0	260	1.96	12.2	1.1	1.8	3.1	178	1.2	1.8	0.1	40	11.19	0.187
JKSRS035	Silt	5.6	35.8	16.2	138	0.3	27.7	9.0	263	2.06	12.9	1.1	1.8	3.0	161	1.3	1.9	0.1	42	10.01	0.172
JKSRS036	Silt	5.5	36.9	15.4	139	0.3	26.1	9.0	258	2.00	12.7	1.1	1.7	3.1	169	1.2	1.8	0.1	42	10.38	0.181

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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 07, 2011

Page: 2 of 6 Part 2

CERTIFICATE OF ANALYSIS

YKN11000467.1

Method Analyte	1DX30																			2X
	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	W		
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.01	0.05	1	0.5	0.2	3	3	
AUSR008	Silt	17	29	0.37	399	0.002	3	1.32	0.002	0.08	<0.1	0.07	3.7	0.2	<0.05	4	0.6	<0.2	<3	
AUSR009	Silt	13	26	0.35	613	0.002	3	0.99	0.003	0.08	<0.1	0.06	3.1	0.2	0.09	3	1.0	<0.2	<3	
AUSR010	Silt	15	29	0.42	514	0.002	3	1.36	0.003	0.08	<0.1	0.04	2.1	0.2	0.07	4	0.6	<0.2	<3	
AUSR011	Silt	20	28	0.34	531	0.003	2	1.19	0.003	0.05	<0.1	0.09	2.0	0.1	0.11	3	1.3	<0.2	<3	
BPSRS109	Silt	6	5	9.32	68	0.004	4	0.21	0.017	0.04	<0.1	0.03	1.1	0.2	<0.05	<1	<0.5	<0.2	<3	
BPSRS111	Silt	2	46	0.03	176	0.002	8	0.38	0.006	0.13	<0.1	0.20	1.8	1.3	2.30	2	19.4	<0.2	9	
BPSRS112	Silt	10	17	1.45	344	0.002	5	0.54	0.005	0.13	<0.1	0.07	3.1	0.2	<0.05	2	1.0	<0.2	<3	
BPSRS113	Silt	7	12	0.99	239	0.002	4	0.40	0.003	0.07	<0.1	0.06	2.5	0.1	<0.05	1	0.6	<0.2	<3	
BPSRS114	Silt	15	12	1.01	254	0.003	6	0.54	0.003	0.20	<0.1	0.11	2.7	0.2	<0.05	2	1.9	<0.2	<3	
BPSRS115	Silt	15	11	0.95	255	0.003	5	0.50	0.004	0.18	<0.1	0.10	3.0	0.3	<0.05	2	1.2	<0.2	<3	
BPSRS116	Silt	5	8	1.64	167	<0.001	1	0.49	0.003	0.05	<0.1	0.15	2.2	0.1	0.08	2	<0.5	<0.2	<3	
BPSRS117	Silt	6	10	0.28	44	<0.001	<1	0.71	0.002	0.05	<0.1	0.02	1.9	<0.1	<0.05	2	<0.5	<0.2	<3	
JKSRS011	Silt	9	6	0.50	75	0.002	2	0.27	0.004	0.05	<0.1	0.02	1.6	<0.1	<0.05	<1	<0.5	<0.2	<3	
JKSRS012	Silt	9	6	0.45	67	0.001	3	0.25	0.004	0.05	<0.1	0.01	1.5	<0.1	<0.05	<1	<0.5	<0.2	<3	
JKSRS013	Silt	13	9	0.57	70	0.002	3	0.35	0.004	0.07	<0.1	0.02	1.5	0.1	<0.05	<1	<0.5	<0.2	<3	
JKSRS014	Silt	16	9	1.07	69	0.003	4	0.29	0.004	0.05	<0.1	0.02	1.0	0.1	<0.05	<1	0.5	<0.2	<3	
JKSRS015	Silt	5	5	3.12	101	0.003	3	0.18	0.005	0.03	<0.1	0.02	0.7	<0.1	<0.05	<1	<0.5	<0.2	<3	
JKSRS016	Silt	7	7	2.78	93	0.004	4	0.28	0.005	0.04	<0.1	0.03	1.2	0.1	<0.05	<1	<0.5	<0.2	<3	
JKSRS017	Silt	8	6	1.28	77	0.002	2	0.25	0.004	0.04	<0.1	0.02	1.2	<0.1	<0.05	<1	<0.5	<0.2	<3	
JKSRS026	Silt	3	5	10.89	71	0.002	4	0.10	0.012	0.03	<0.1	0.01	0.6	<0.1	0.06	<1	<0.5	<0.2	<3	
JKSRS027	Silt	4	5	10.66	41	0.001	5	0.10	0.012	0.04	<0.1	0.01	0.9	<0.1	0.08	<1	<0.5	<0.2	<3	
JKSRS028	Silt	4	9	9.37	60	0.002	6	0.18	0.009	0.05	<0.1	0.07	1.0	0.4	0.09	<1	<0.5	<0.2	<3	
JKSRS029	Silt	4	6	10.91	48	0.001	5	0.12	0.012	0.04	<0.1	0.01	0.9	0.2	0.09	<1	<0.5	<0.2	<3	
JKSRS030	Silt	4	6	10.67	49	0.002	5	0.12	0.012	0.05	<0.1	0.02	0.9	0.2	0.09	<1	0.7	<0.2	<3	
JKSRS031	Silt	4	6	10.98	47	0.002	6	0.13	0.013	0.05	<0.1	0.02	0.9	0.3	0.11	<1	<0.5	<0.2	<3	
JKSRS032	Silt	4	6	5.25	190	0.002	5	0.14	0.008	0.04	<0.1	0.01	0.7	0.1	0.07	<1	<0.5	<0.2	<3	
JKSRS033	Silt	13	14	1.14	399	0.002	6	0.66	0.004	0.14	<0.1	0.07	2.8	0.2	0.06	2	1.0	<0.2	<3	
JKSRS034	Silt	14	13	1.12	410	0.002	5	0.63	0.004	0.14	<0.1	0.07	2.7	0.2	0.07	2	1.3	<0.2	<3	
JKSRS035	Silt	13	14	1.07	450	0.002	5	0.66	0.004	0.15	<0.1	0.08	2.7	0.2	0.07	2	1.1	<0.2	<3	
JKSRS036	Silt	14	14	1.04	417	0.004	6	0.68	0.004	0.15	<0.1	0.07	2.7	0.2	0.06	2	1.0	<0.2	<3	

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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: 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

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

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



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.



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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 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	
			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	ppb	ppm	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	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

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Page: 3 of 11 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	2X	7TD	7TD	
	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	W ppm	Pb %	Zn %
	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.01	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	

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.



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Report Date: November 07, 2011

Page: 3 of 11 Part 3

CERTIFICATE OF ANALYSIS

YKN11000468.1

Method	Analyte	7TD	7TD.1
		Ag	Pb
Unit		gm/t	%
MDL		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		