

Summary Report on the 2011 Reconnaissance Mapping and Soil Geochemistry Program

Discovery Creek Property Whitehorse Mining District, Yukon Territory In reference to claims:

BIT 1-5(YA97733-YA97737)	BULL 1-28(YA81420-YA86307)	COURTLAND (55836)
D 1-4 (YB57373-YB57376)	HAZELANNE (4210)	IDA MAY(39192)
J.BILL #1-32 (YA78049-YA78080)	JBF 1-7 (YB36259-YB36959)	JBF 10 (YB54543)
JCS 1-4 (YC25916-YC25919)	JLZ 1 (YB36258)	JON-WEDGE 1-6 (YB35895-YB35900)
LGCS 1 (YA95014)	LGCS 4 (YA95016)	MACK (39134)
MSL (YA95099)	MYRTLE (55602)	NICOLA 0-4 (YE63027-YE63031)
NICOLA 5-6 (YE63039-YE63040)	NICOLA 8 (YE63038)	NICOLA 9-11 (YE63036-YE63037)
NICOLA 11 (YE63041)	OX 1-20 (YA86386-YA86405)	RAS 1-4 (YA93138-YA93141)
RICCO (4209)	RAT 1-40 (YA81428-YA81467)	SUNSET (4243)
WEDGE 1-15 (YA82167-YA82181)	WEDGE 16-17 (YA93843-YA93844)	

Located at Latitude 62°04'05.727"N, Longitude 137°14'03.675"
NTS Mapsheet 115I/03

For Work Performed Between May 27th - August 31st, 2011

Prepared for:

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15 December 2011

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Summary

The Discovery Creek Property is located in the Mount Nansen area of the west-central Yukon Territory, Canada, approximately 60 kilometres west of the town of Carmacks. The property, consisting of 190 full or fractional quartz mining claims and leases, comprises a total area of 3280.82 hectares.

The region lies within the Tintina Gold Belt, a 200 kilometre wide and 1,200 kilometre-long trend of mid- to Late Cretaceous granitoid intrusions (diorite, granodiorite, quartz monzonite, and syenite) extending from central Alaska, across central Yukon, to the Yukon-British Columbia border, roughly parallel to the ancient North America craton boundary. The Tintina Gold Belt includes several significant gold deposits, including Pogo, Fort Knox, True North, Donlin Creek and Shotgun.

The Mount Nansen area is underlain by metamorphosed intrusives, sedimentary and volcanic rocks in the Dawson Range of the Yukon-Tanana geologic terrane. These rocks are intruded by Early Cretaceous felsic plutonic rocks and overlain by mid-Cretaceous Mount Nansen mafic to intermediate volcanic rocks and related sub-volcanic feldspar porphyry dykes and plugs.

The area has been worked by placer and hard rock explorers intermittently since the first placer gold discovery on Nansen Creek in 1899. The first geology map of the area was produced in 1933 and hard rock mining of one of the vein systems first occurred in 1947 and has been periodically mined by several operators in the 1960's, 1970's and again late 1980 and early 1990's. Exploration has occurred throughout the area regularly since the mid 1940's by numerous individuals, companies, and syndicates. Most notably, in the mid to late 1980's and again in the early to mid 1990's and 2000's considerable exploration took place on the Discovery Creek area. Prior to 2011, no ground work has been recorded on the property since 2003.

In 2008, 101073531 Saskatchewan Ltd., purchased the neighbouring Charlotte Property in a government auction and subsequently completed a detailed airborne magnetometer and EM geophysical survey which covered in entirety the Discovery Creek claim block. The survey enhanced the understanding of the regional and structural setting, and identified magnetic highs closely associated with mapped intrusive bodies. Between 2009 and early 2011 when Ansell Capital Corp. optioned the Charlotte Property from Guinness Exploration, the property underwent several option agreements between companies, however 101073531 Saskatchewan Ltd are still the legal owners of the claims.

In May 2011 Ansell Capital Corp optioned the Discovery Creek property from Aurchem Exploration. Rudimentary geochemistry and verification of historic work was performed on the property. Basic geological mapping to verify locations of historical work and geology, as well as geochemical soil sampling took place. A total of 544 soil samples and 44 hand samples were taken together with geological and geochemical reconnaissance and verification of historical work on the property. Soil lines were 100 metres apart, with individual samples taken 50 metres apart along each line. Every 20th sample was a duplicate and was taken from a separately dug hole at the same sample location. Geological

mapping was concentrated in areas previously worked to confirm historical work. Notes were taken where rock was observed, regardless if a sample was taken. Several reverse circulation and diamond drill holes were located and identified along with 33 historical trenches during the traverses. All samples were taken to Acme Analytical Labs in Whitehorse by CMG personnel or an authorized expeditor maintaining chain of custody until receipt by the lab.

The best soils returned values of 2307.9 ppb Au, 178.9 ppm Cu, 185.6 ppm Pb and 135 ppm Zn and 1377.5 ppb Au, 4783.7 ppm Pb, and 859 ppm Zn. These are located in the northern part of the property known to be underlain by a Cu-Mo bearing porphyry and in the Eliza Creek area respectively. The best hand sample contained 0.335 gpt Au, and 102.5 ppm Cu and is located immediately north of Tit Mountain. The mineralization consists of pyrite, arsenopyrite, and chalcopyrite with minor sphalerite and galena. It is concentrated in the granodiorites and porphyritic intrusions that intrude the Mt. Nansen Volcanics. The sulphides are found in clotty and disseminated form and in breccias in both the intrusions as well as in the volcanics. Based on this season's work and previous exploration six new targets were identified.

Eleven new claims were staked along the borders of the option agreement so the claim block was contiguous with Ansell's neighbouring Charlotte property.

It has been recommended that the northern half of the property should be examined by additional geologic, whole rock geochemical, thin section, and ground IP geophysical surveys to determine whether a suitable porphyry copper-moly-gold and gold-silver vein targets exist. Geological mapping should continue in the Willow and Eliza Creek areas and extend to the western side of Nansen Creek to the J. Bill, Rusk and Slate Creek showings. Geochemical soil sampling should be completed on the western side of Nansen Creek south to the confluence of Nansen and Flex Creeks. If suitable targets are located from these surveys, then a minimum of 2000 metres of trenching and a minimum of 2500 metres of drilling is required to test the occurrences.

A total of \$227,980.05 was expended on the 2011 reconnaissance geological mapping, geochemical soil and hard rock sampling, and GIS data compilation program.

Property Description and Location

The Discovery Creek Project is located within the Whitehorse Mining District on NTS mapsheet 115I/03. The claim block consists of 190 full or fractional quartz mining claims and leases (see Table 1 and Figures 1 and 2) for a total of 3280.82 hectares centred at approximately N 62°04'05.727", W 137°14'03.675". The claims form an irregular shape due to earlier claim staking and are contiguous except for the Bull 15 claim, which is isolated east of the main claim block, and claims JCS 1-3, which are adjacent to each other and only touch the main claim block by the southwest corner.

The Mt. Nansen area is part of the traditional territory of the Little Salmon/Carmacks First Nation. Certain aboriginal rights extend over all territory lands and are guaranteed by the Canadian Constitution. Much of the property lies on crown land and management is the responsibility of the Yukon Territorial Government. However, a part of the claim block is situated on settlement land and its management is subject to the terms and conditions of the 1998 final negotiated agreement between the governments of Canada, the Yukon and the Little Salmon/Carmacks First Nation. The legal mineral claim owner retains the right to work on claims held in good standing that overlie settlement lands. However, if the mineral claims are allowed to lapse, the area under expired tenure will revert to the First Nations.

Future development of the Discovery Creek Project will require consultation with the Little Salmon/Carmacks First Nation to ensure constitutionally-protected aboriginal rights are not infringed upon and to ensure management of settlement land meets the terms and conditions of the final agreement. Channels of communication have been established by Coast Mountain Geological Ltd. (CMG) as per the requirements of the Mining Lands Permit. The Little Salmon/Carmacks First Nation administration office is located in Carmacks.

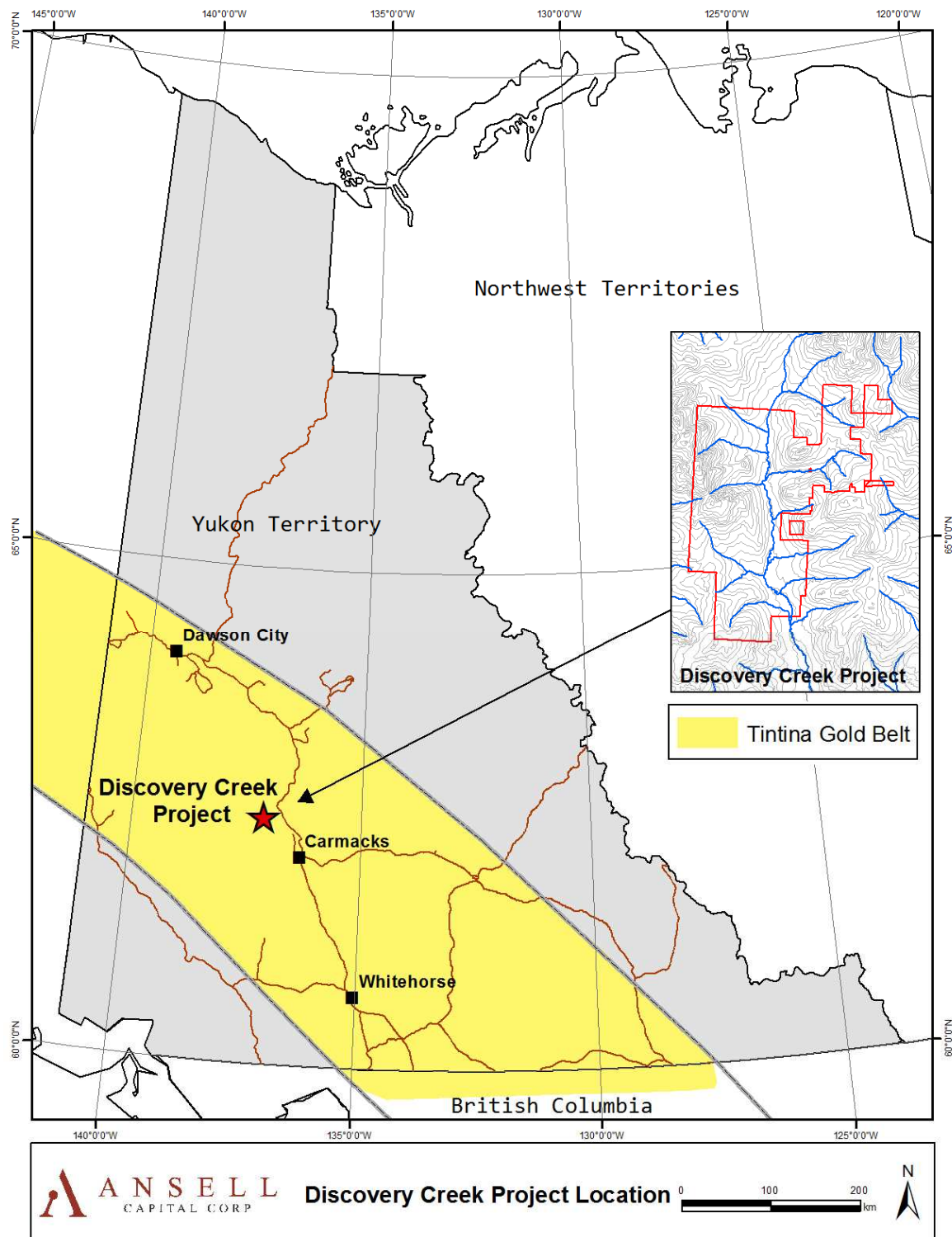


Figure 1: Location map of the Discovery Creek Property

Assessment Report on the Discovery Creek Property

Claim Name	Grant Number	Lease Number	Owner	Expiry Date *	Area (ha)
BIT 1	YA97733	NM00509	Aurchem Exploration Ltd. - 100%	01/12/2015	7.46
BIT 2	YA97734	3222	Aurchem Exploration Ltd. - 100%	01/12/2014	14.92
BIT 3	YA97735	OW00009	Aurchem Exploration Ltd. - 100%	01/12/2014	11.11
BIT 4	YA97736	XM00124	Aurchem Exploration Ltd. - 100%	01/12/2016	14.95
BIT 5	YA97737	OW00217	Aurchem Exploration Ltd. - 100%	01/12/2015	16.40
BULL 1	YA81420	OW00058	Aurchem Exploration Ltd. - 100%	01/12/2023	15.93
BULL 10	YA86289	OW00146	Aurchem Exploration Ltd. - 100%	01/12/2018	22.79
BULL 11	YA86290	4098	Aurchem Exploration Ltd. - 100%	29/02/2016	19.82
BULL 12	YA86291	OL00187	Aurchem Exploration Ltd. - 100%	29/02/2020	20.44
BULL 13	YA86292	NM00397	Aurchem Exploration Ltd. - 100%	29/02/2020	9.36
BULL 14	YA86293	NM00037	Aurchem Exploration Ltd. - 100%	29/02/2020	14.23
BULL 15	YA86294	OW00014	Aurchem Exploration Ltd. - 100%	28/02/2015	20.42
BULL 16	YA86295	OW00177	Aurchem Exploration Ltd. - 100%	28/02/2019	7.74
BULL 17	YA86296	OL00230	Aurchem Exploration Ltd. - 100%	28/02/2019	12.50
BULL 18	YA86297	OW00212	Aurchem Exploration Ltd. - 100%	28/02/2019	16.01
BULL 19	YA86298	OW00154	Aurchem Exploration Ltd. - 100%	28/02/2019	22.29
BULL 2	YA81421	OW00016	Aurchem Exploration Ltd. - 100%	01/12/2023	15.50
BULL 20	YA86299	OW00243	Aurchem Exploration Ltd. - 100%	28/02/2019	22.60
BULL 21	YA86300	OW00247	Aurchem Exploration Ltd. - 100%	28/02/2014	21.84
BULL 22	YA86301	NM00006	Aurchem Exploration Ltd. - 100%	28/02/2014	21.93
BULL 23	YA86302	OW00014	Aurchem Exploration Ltd. - 100%	28/02/2014	21.44
BULL 24	YA86303	OW00251	Aurchem Exploration Ltd. - 100%	28/02/2014	21.06
BULL 25	YA86304	2177	Aurchem Exploration Ltd. - 100%	28/02/2014	22.03
BULL 26	YA86305	OW00148	Aurchem Exploration Ltd. - 100%	28/02/2014	21.69
BULL 27	YA86306	OW00146	Aurchem Exploration Ltd. - 100%	28/02/2014	19.36
BULL 28	YA86307	OW00162	Aurchem Exploration Ltd. - 100%	28/02/2014	19.50
BULL 3	YA81422	OW00160	Aurchem Exploration Ltd. - 100%	01/12/2019	18.58
BULL 4	YA81423	OW00125	Aurchem Exploration Ltd. - 100%	01/12/2015	11.62
BULL 5	YA81424	OW00093	Aurchem Exploration Ltd. - 100%	01/12/2019	21.69
BULL 6	YA81425	NM00470	Aurchem Exploration Ltd. - 100%	01/12/2015	20.61
BULL 7	YA81426	OL00055	Aurchem Exploration Ltd. - 100%	01/12/2019	17.31
BULL 8	YA81427	OW00075	Aurchem Exploration Ltd. - 100%	01/12/2019	13.09
BULL 9	YA86288	3509	Aurchem Exploration Ltd. - 100%	01/12/2018	22.56
COURTLAND	55836	OW00043	Aurchem Exploration Ltd. - 100%	27/11/2019	7.19
D 1	YB57373	OW00213	Aurchem Exploration Ltd. - 100%	20/01/2017	5.26
D 2	YB57374	OL00216	Aurchem Exploration Ltd. - 100%	20/01/2017	4.46
D 3	YB57375	3509	Aurchem Exploration Ltd. - 100%	20/01/2017	1.46
D 4	YB57376	OW00210	Aurchem Exploration Ltd. - 100%	20/01/2017	1.33
HAZEL ANNE	4210	OW00038	Aurchem Exploration Ltd. - 100%	27/11/2019	19.17
IDA MAY	39192	OW00041	Aurchem Exploration Ltd. - 100%	27/11/2019	15.31

Table 1: Discovery Creek Property claim data.

Assessment Report on the Discovery Creek Property

Claim Name	Grant Number	Lease Number	Owner	Expiry Date *	Area (ha)
J. BILL # 1	YA78049	NM00397	Aurchem Exploration Ltd. - 100%	28/02/2014	20.81
J. BILL # 10	YA78058	OW00044	Aurchem Exploration Ltd. - 100%	02/02/2014	22.13
J. BILL # 11	YA78059	OW00125	Aurchem Exploration Ltd. - 100%	02/02/2014	22.02
J. BILL # 12	YA78060	3430	Aurchem Exploration Ltd. - 100%	02/02/2014	22.95
J. BILL # 13	YA78061	OL00122	Aurchem Exploration Ltd. - 100%	02/02/2014	18.98
J. BILL # 14	YA78062	3430	Aurchem Exploration Ltd. - 100%	02/02/2018	19.62
J. BILL # 15	YA78063	OW00153	Aurchem Exploration Ltd. - 100%	02/02/2014	21.00
J. BILL # 16	YA78064	OW00154	Aurchem Exploration Ltd. - 100%	02/02/2014	21.57
J. BILL # 17	YA78065	OL00216	Aurchem Exploration Ltd. - 100%	02/02/2014	21.22
J. BILL # 18	YA78066	OW00110	Aurchem Exploration Ltd. - 100%	02/02/2014	20.59
J. BILL # 19	YA78067	OL00212	Aurchem Exploration Ltd. - 100%	02/02/2014	20.31
J. BILL # 2	YA78050	2131	Aurchem Exploration Ltd. - 100%	28/02/2014	21.64
J. BILL # 20	YA78068	OW00155	Aurchem Exploration Ltd. - 100%	02/02/2014	19.77
J. BILL # 21	YA78069	3452	Aurchem Exploration Ltd. - 100%	02/02/2014	22.43
J. BILL # 22	YA78070	OW00044	Aurchem Exploration Ltd. - 100%	02/02/2014	18.21
J. BILL # 23	YA78071	NM00397	Aurchem Exploration Ltd. - 100%	02/02/2014	16.91
J. BILL # 24	YA78072	OW00026	Aurchem Exploration Ltd. - 100%	02/02/2014	13.35
J. BILL # 25	YA78073	3222	Aurchem Exploration Ltd. - 100%	28/02/2014	22.18
J. BILL # 26	YA78074	XM00486	Aurchem Exploration Ltd. - 100%	28/02/2014	18.09
J. BILL # 27	YA78075	3432	Aurchem Exploration Ltd. - 100%	28/02/2014	23.12
J. BILL # 28	YA78076	3499	Aurchem Exploration Ltd. - 100%	28/02/2014	18.97
J. BILL # 29	YA78077	NM00587	Aurchem Exploration Ltd. - 100%	28/02/2014	18.24
J. BILL # 3	YA78051	4254	Aurchem Exploration Ltd. - 100%	28/02/2015	19.65
J. BILL # 30	YA78078	XM00313	Aurchem Exploration Ltd. - 100%	28/02/2014	14.76
J. BILL # 31	YA78079		Aurchem Exploration Ltd. - 100%	28/02/2018	21.44
J. BILL # 32	YA78080	3433	Aurchem Exploration Ltd. - 100%	28/02/2018	17.18
J. BILL # 4	YA78052	3535	Aurchem Exploration Ltd. - 100%	28/02/2015	20.51
J. BILL # 5	YA78053	OW00160	Aurchem Exploration Ltd. - 100%	28/02/2014	21.22
J. BILL # 6	YA78054	OW00172	Aurchem Exploration Ltd. - 100%	28/02/2014	22.35
J. BILL # 7	YA78055	OW00220	Aurchem Exploration Ltd. - 100%	28/02/2014	21.69
J. BILL # 8	YA78056	OL00055	Aurchem Exploration Ltd. - 100%	28/02/2014	22.42
J. BILL # 9	YA78057	OW00155	Aurchem Exploration Ltd. - 100%	02/02/2014	21.25
JBF 1	YB36259	OL00216	Aurchem Exploration Ltd. - 100%	01/12/2015	11.21
JBF 10	YB54543	OL00071	Aurchem Exploration Ltd. - 100%	05/12/2016	3.09
JBF 2	YB36954	OW00247	Aurchem Exploration Ltd. - 100%	01/12/2016	13.36
JBF 3	YB36955	OW00014	Aurchem Exploration Ltd. - 100%	01/12/2016	12.55
JBF 4	YB36956	OW00022	Aurchem Exploration Ltd. - 100%	01/12/2015	8.11
JBF 5	YB36957	2124	Aurchem Exploration Ltd. - 100%	01/12/2015	4.22
JBF 6	YB36958	OW00007	Aurchem Exploration Ltd. - 100%	01/12/2015	2.98
JBF 7	YB36959	OW00247	Aurchem Exploration Ltd. - 100%	01/12/2015	3.83

Table 1: Discovery Creek Property claim data (continued).

Assessment Report on the Discovery Creek Property

Claim Name	Grant Number	Lease Number	Owner	Expiry Date *	Area (ha)
JCS 1	YC25916	OW00079	Aurchem Exploration Ltd. - 100%	01/12/2023	21.59
JCS 2	YC25917	XM00158	Aurchem Exploration Ltd. - 100%	01/12/2023	22.15
JCS 3	YC25918	OL00134	Aurchem Exploration Ltd. - 100%	01/12/2023	21.63
JCS 4	YC25919	OW00079	Aurchem Exploration Ltd. - 100%	01/12/2023	19.42
JLZ 1	YB36258	2124	Aurchem Exploration Ltd. - 100%	01/12/2016	11.52
JON-WEDGE 1	YB35895	OW00242	Aurchem Exploration Ltd. - 100%	01/12/2017	3.67
JON-WEDGE 2	YB35896	2124	Aurchem Exploration Ltd. - 100%	01/12/2015	3.33
JON-WEDGE 3	YB35897	OW00221	Aurchem Exploration Ltd. - 100%	01/12/2015	3.91
JON-WEDGE 4	YB35898	XM00313	Aurchem Exploration Ltd. - 100%	01/12/2013	3.74
JON-WEDGE 5	YB35899	3509	Aurchem Exploration Ltd. - 100%	01/12/2015	3.76
JON-WEDGE 6	YB35900	OW00071	Aurchem Exploration Ltd. - 100%	01/12/2015	3.91
LGCS 1	YA95014	OW00038	Aurchem Exploration Ltd. - 100%	01/12/2014	4.50
LGCS 3	YA95016	OW00129	Aurchem Exploration Ltd. - 100%	01/12/2016	6.87
MACK	39134	OW00040	Aurchem Exploration Ltd. - 100%	27/11/2019	20.89
MSL	YA95099	OW00211	Aurchem Exploration Ltd. - 100%	01/12/2020	18.18
MYRTLE	55602	OW00042	Aurchem Exploration Ltd. - 100%	27/11/2019	14.85
OX 1	YA86386	3222	Aurchem Exploration Ltd. - 100%	20/12/2014	21.29
OX 10	YA86395	4081	Aurchem Exploration Ltd. - 100%	20/12/2014	20.23
OX 11	YA86396	NM00509	Aurchem Exploration Ltd. - 100%	20/12/2014	21.13
OX 12	YA86397	OW00143	Aurchem Exploration Ltd. - 100%	20/12/2014	21.28
OX 13	YA86398	NM00470	Aurchem Exploration Ltd. - 100%	20/12/2014	22.02
OX 14	YA86399	OL00187	Aurchem Exploration Ltd. - 100%	20/12/2014	22.12
OX 15	YA86400	OW00044	Aurchem Exploration Ltd. - 100%	20/12/2014	20.30
OX 16	YA86401	OW00148	Aurchem Exploration Ltd. - 100%	20/12/2014	20.66
OX 17	YA86402	OW00103	Aurchem Exploration Ltd. - 100%	20/12/2014	22.32
OX 18	YA86403		Aurchem Exploration Ltd. - 100%	20/12/2014	21.99
OX 19	YA86404	NM00509	Aurchem Exploration Ltd. - 100%	20/12/2014	20.92
OX 2	YA86387	3509	Aurchem Exploration Ltd. - 100%	20/12/2014	21.17
OX 20	YA86405	OW00212	Aurchem Exploration Ltd. - 100%	20/12/2014	20.87
OX 3	YA86388	OW00248	Aurchem Exploration Ltd. - 100%	20/12/2014	22.06
OX 4	YA86389	OW00162	Aurchem Exploration Ltd. - 100%	20/12/2014	21.86
OX 5	YA86390	NM00470	Aurchem Exploration Ltd. - 100%	20/12/2014	20.86
OX 6	YA86391	OW00065	Aurchem Exploration Ltd. - 100%	20/12/2014	20.91
OX 7	YA86392	OW00056	Aurchem Exploration Ltd. - 100%	20/12/2014	21.48
OX 8	YA86393	OW00247	Aurchem Exploration Ltd. - 100%	20/12/2014	20.84
OX 9	YA86394	OW00016	Aurchem Exploration Ltd. - 100%	20/12/2014	20.62
RAS 1	YA93138	OW00016	Aurchem Exploration Ltd. - 100%	01/12/2020	15.12
RAS 2	YA93139	OW00016	Aurchem Exploration Ltd. - 100%	01/12/2020	4.06
RAS 3	YA93140	OW00163	Aurchem Exploration Ltd. - 100%	01/12/2020	3.47
RAS 4	YA93141	OW00022	Aurchem Exploration Ltd. - 100%	01/12/2014	11.87

Table 1: Discovery Creek Property claim data (continued).

Assessment Report on the Discovery Creek Property

Claim Name	Grant Number	Lease Number	Owner	Expiry Date *	Area (ha)
RAT 1	YA81428	NM00276	Aurchem Exploration Ltd. - 100%	28/02/2014	22.32
RAT 10	YA81437	2124	Aurchem Exploration Ltd. - 100%	28/02/2015	20.79
RAT 11	YA81438	OW00007	Aurchem Exploration Ltd. - 100%	28/02/2015	20.63
RAT 12	YA81439	OW00250	Aurchem Exploration Ltd. - 100%	28/02/2015	19.61
RAT 13	YA81440	3225	Aurchem Exploration Ltd. - 100%	28/02/2015	22.07
RAT 14	YA81441	3432	Aurchem Exploration Ltd. - 100%	28/02/2015	21.09
RAT 15	YA81442	OW00079	Aurchem Exploration Ltd. - 100%	28/02/2015	22.89
RAT 16	YA81443	OW00197	Aurchem Exploration Ltd. - 100%	28/02/2015	21.83
RAT 17	YA81444	3433	Aurchem Exploration Ltd. - 100%	28/02/2015	21.97
RAT 18	YA81445	OW00026	Aurchem Exploration Ltd. - 100%	28/02/2015	21.26
RAT 19	YA81446	OW00160	Aurchem Exploration Ltd. - 100%	28/02/2015	22.60
RAT 2	YA81429	OW00018	Aurchem Exploration Ltd. - 100%	28/02/2014	20.73
RAT 20	YA81447	2131	Aurchem Exploration Ltd. - 100%	28/02/2015	22.07
RAT 21	YA81448	4081	Aurchem Exploration Ltd. - 100%	28/02/2015	19.57
RAT 22	YA81449	OL00230	Aurchem Exploration Ltd. - 100%	28/02/2015	19.19
RAT 23	YA81450	OW00195	Aurchem Exploration Ltd. - 100%	28/02/2015	21.75
RAT 24	YA81451	2177	Aurchem Exploration Ltd. - 100%	28/02/2015	21.37
RAT 25	YA81452	OW00035	Aurchem Exploration Ltd. - 100%	28/02/2014	21.78
RAT 26	YA81453	4076	Aurchem Exploration Ltd. - 100%	28/02/2014	22.05
RAT 27	YA81454	3529	Aurchem Exploration Ltd. - 100%	28/02/2014	22.50
RAT 28	YA81455	OW00136	Aurchem Exploration Ltd. - 100%	28/02/2014	22.89
RAT 29	YA81456	OW00093	Aurchem Exploration Ltd. - 100%	28/02/2014	21.27
RAT 3	YA81430	OW00093	Aurchem Exploration Ltd. - 100%	28/02/2014	23.49
RAT 30	YA81457	OW00024	Aurchem Exploration Ltd. - 100%	28/02/2014	21.93
RAT 31	YA81458	OW00214	Aurchem Exploration Ltd. - 100%	28/02/2014	19.65
RAT 32	YA81459	OW00016	Aurchem Exploration Ltd. - 100%	28/02/2014	20.56
RAT 33	YA81460	2177	Aurchem Exploration Ltd. - 100%	28/02/2014	22.04
RAT 34	YA81461	OW00016	Aurchem Exploration Ltd. - 100%	28/02/2014	21.86
RAT 35	YA81462	OW00110	Aurchem Exploration Ltd. - 100%	28/02/2014	22.68
RAT 36	YA81463	OW00229	Aurchem Exploration Ltd. - 100%	28/02/2014	22.24
RAT 37	YA81464	OW00247	Aurchem Exploration Ltd. - 100%	28/02/2014	21.72
RAT 38	YA81465	OW00174	Aurchem Exploration Ltd. - 100%	28/02/2014	21.23
RAT 39	YA81466	OW00157	Aurchem Exploration Ltd. - 100%	28/02/2014	20.38
RAT 4	YA81431	OW00259	Aurchem Exploration Ltd. - 100%	28/02/2014	21.81
RAT 40	YA81467	OL00187	Aurchem Exploration Ltd. - 100%	28/02/2014	19.78
RAT 5	YA81432	2177	Aurchem Exploration Ltd. - 100%	28/02/2014	22.19
RAT 6	YA81433	3430	Aurchem Exploration Ltd. - 100%	28/02/2014	20.81
RAT 7	YA81434	XM00486	Aurchem Exploration Ltd. - 100%	28/02/2014	20.60
RAT 8	YA81435	OW00176	Aurchem Exploration Ltd. - 100%	28/02/2014	19.42
RAT 9	YA81436	OW00201	Aurchem Exploration Ltd. - 100%	28/02/2015	21.93

Table 1: Discovery Creek Property claim data (continued).

Assessment Report on the Discovery Creek Property

Claim Name	Grant Number	Lease Number	Owner	Expiry Date *	Area (ha)
RICCO	4209	OW00037	Aurchem Exploration Ltd. - 100%	27/11/2019	18.31
SUNSET	4243	OW00039	Aurchem Exploration Ltd. - 100%	27/11/2019	20.48
WEDGE 1	YA82167	NM00037	Aurchem Exploration Ltd. - 100%	01/12/2024	22.87
WEDGE 10	YA82176	OW00164	Aurchem Exploration Ltd. - 100%	01/12/2020	17.20
WEDGE 11	YA82177	XM00233	Aurchem Exploration Ltd. - 100%	01/12/2024	22.45
WEDGE 12	YA82178	3424	Aurchem Exploration Ltd. - 100%	01/12/2024	24.22
WEDGE 13	YA82179	OW00248	Aurchem Exploration Ltd. - 100%	01/12/2024	20.42
WEDGE 14	YA82180	OW00248	Aurchem Exploration Ltd. - 100%	01/12/2024	21.14
WEDGE 15	YA82181	OW00005	Aurchem Exploration Ltd. - 100%	01/12/2020	12.70
WEDGE 16	YA93843	NM00397	Aurchem Exploration Ltd. - 100%	26/12/2016	13.35
WEDGE 17	YA93844	OW00157	Aurchem Exploration Ltd. - 100%	26/12/2016	17.73
WEDGE 2	YA82168	3529	Aurchem Exploration Ltd. - 100%	01/12/2024	21.17
WEDGE 3	YA82169	OW00101	Aurchem Exploration Ltd. - 100%	01/12/2024	22.50
WEDGE 4	YA82170	OW00088	Aurchem Exploration Ltd. - 100%	01/12/2024	20.65
WEDGE 5	YA82171	OL00057	Aurchem Exploration Ltd. - 100%	01/12/2024	23.11
WEDGE 6	YA82172	4245	Aurchem Exploration Ltd. - 100%	01/12/2024	23.19
WEDGE 7	YA82173	OW00212	Aurchem Exploration Ltd. - 100%	01/12/2024	22.31
WEDGE 8	YA82174	OW00093	Aurchem Exploration Ltd. - 100%	01/12/2020	22.51
WEDGE 9	YA82175	OW00208	Aurchem Exploration Ltd. - 100%	01/12/2020	19.93
NICOLA 0**	YE63027	ND00006	Kevin Graber - 100%	20/06/2012	4.37
NICOLA 1**	YE63028	NM00470	Kevin Graber - 100%	20/06/2012	6.51
NICOLA 10**	YE63037	NM00397	Kevin Graber - 100%	20/06/2012	4.87
NICOLA 11**	YE63041	XM00442	Kevin Graber - 100%	20/06/2012	1.17
NICOLA 2**	YE63029	ND00006	Kevin Graber - 100%	20/06/2012	6.65
NICOLA 3**	YE63030	ND00006	Kevin Graber - 100%	20/06/2012	6.72
NICOLA 4**	YE63031	ND00006	Kevin Graber - 100%	20/06/2012	6.61
NICOLA 5**	YE63039	ND00006	Kevin Graber - 100%	20/06/2012	6.86
NICOLA 6**	YE63040	XM00311	Kevin Graber - 100%	20/06/2012	3.88
NICOLA 8**	YE63038	NM00470	Kevin Graber - 100%	20/06/2012	2.99
NICOLA 9**	YE63036	ND00006	Kevin Graber - 100%	20/06/2012	5.13
* The given expiry date does not include assessment credits obtained during the 2011 field season. Refer to Appendix A for detailed cost statement					
** These claims were staked in 2011 and the time of submittal, their status was still pending					

Table 1: Discovery Creek Property claim data (continued).

December 15, 2011

Accessibility, Local Resources and Infrastructure

The Discovery Creek Property (Figures 1 and 3) is located within the prolific Tintina Gold belt and, locally, the Mt. Nansen Mining Camp, one of the oldest gold mining camps in the Yukon Territory. The property is situated approximately 180 kilometres northwest of Whitehorse and 60 kilometres west of the village of Carmacks. From Whitehorse, the property is accessed via the Klondike Highway to Carmacks and the Mt. Nansen Mine Road from Carmacks to the property. The Mt. Nansen Road is a year round all weather road that is maintained by the Territorial Government. A comprehensive network of mining roads services the property, the adjacent properties, the BYG Mine and active placer operations.

Whitehorse is a full service community with all the amenities necessary to service an advanced stage exploration or mining project. It has an experienced work-force in exploration and is also the centre of the Territorial Government including the Mining Records office and the Yukon Geological Survey. The international airport has daily air service to Calgary, Edmonton and Vancouver as well as summer season direct flights to Europe. The village of Carmacks has a population of approximately 450 citizens. Amenities are limited but include lodging, fuel and mechanical service, and a grocery store. There is a limited pool of skilled labour, such as mechanics and electricians and a larger pool of unskilled labour. Carmacks is also home to the Little Salmon/Carmacks First Nation and they have a band office located in town.

Assessment Report on the Discovery Creek Property

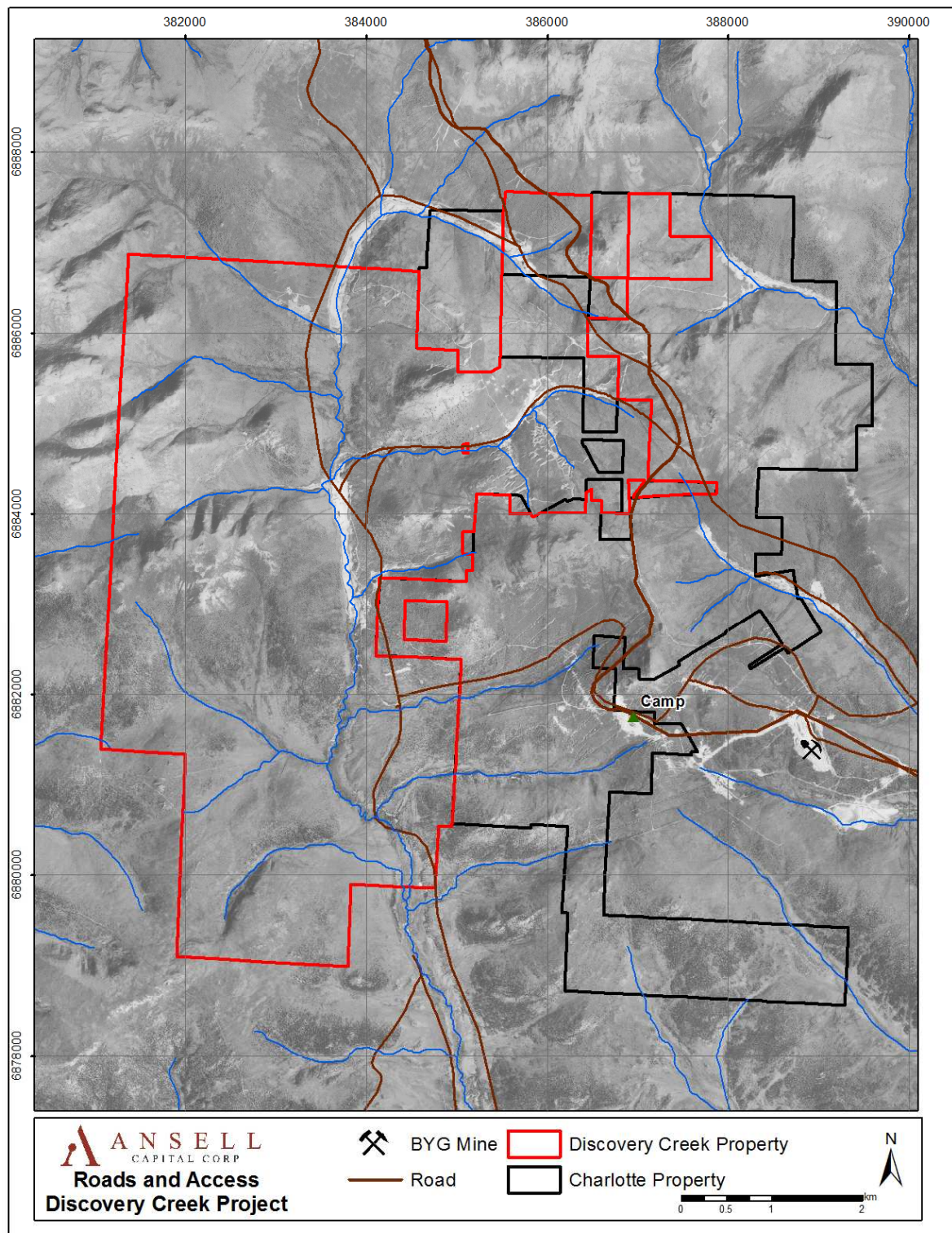


Figure 3: Roads and access.

Physiography and Climate

The Discovery Creek Property is located on the eastern margin of the Dawson Range. This area lies northwest of the maximum extent of the Wisconsin ice sheet and as a result, has remained unaffected by the most recent (Pleistocene) glaciations (Figure 4) (Eaton and Archer, 1989). The terrain is that of a deeply weathered and incised peneplain characterized by deep, wide and dendritic drainages. Local elevations range from 1030 metres in the deeper valleys to 1500 metres on ridge tops (Melling, 1995; Rodger, 1996). Outcrop is rare and typically documented as felsenmeer of resistant rock units on ridge tops and peaks.

The Dawson Range is characterized by a temperate continental climate, with warm summers and cold winters. Average seasonal temperatures range from -25°C in winter and 15°C in the summers. Average precipitation for the Mt. Nansen area is approximately 250 millimetres, most of which falls in the summer months. Local snow pack is typically 30-40 centimetres deep in late winter (Stroshein, 2007b).

Permafrost is common in the area and varies according to the slope aspect and vegetation thickness (Stroshein, 2007b). North facing slopes typically do not exhibit an active layer and are frozen immediately under the vegetative mat. More southerly aspects have an active layer that will thaw to a depth of 1-2 metres by the late summer months (Eaton and Archer, 1989).

Exploration History of the Mt. Nansen Area

Historic exploration and development work in the Mount Nansen area has focused mainly on defining near-surface gold and silver mineralized zones, with the bulk of the work directed towards the Brown-McDade, Huestis, Webber and Flex zones (Figure 5).

Captain Henry Seymour discovered placer gold in Nansen Creek in 1899. Other placer discoveries were made in the early 1900s in the area and have been intermittently operated until today. In 1917 the first

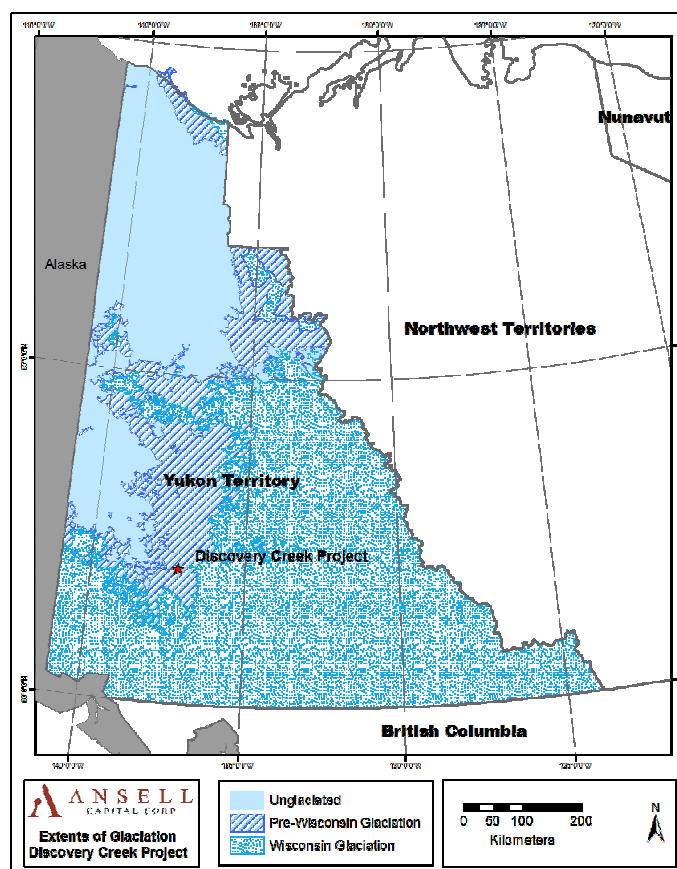


Figure 4: Extents of Glaciation.

hard rock (Quartz Mineral Claim) was staked, on what are now the Eliza South and North showings (Goulter), an epithermal vein showing. In 1936 the first geological map of the Mount Nansen and Carmacks area was published based on 1931-1933 field work.

In 1943, prospectors A. Brown and G. McDade discovered the first lode gold deposit, now known as the Brown-McDade Deposit, located to the east of the Discovery Property (Figure 5). As a result, Brown-McDade Mines Ltd. formed in 1946 and began an extensive program of underground drilling and development. Concurrently, Conwest Explorations Ltd. discovered and explored the Webber zone while the Huestis Syndicate identified and delineated the Huestis zone. Results from Brown-McDade development did not meet expectations and all exploration and development in the area ceased (Walls and Eaton, 1987).

In 1958, interest in the Mt. Nansen area was revived and in 1962 the Mt. Nansen Exploration Syndicate optioned properties that overlap with the current Discovery Creek claim block. This group explored the Webber and Huestis zones with geochemical surveys, bulldozer trenching and one 106 metre diamond drill hole on the Webber. Mt. Nansen Mines was formed by a syndicate of 8 companies initiated by G. Dickson in 1962. The Webber zone was further explored with bulldozer trenching and three diamond drill holes totalling 328 metres the following year. Peso Silver Mines Limited acquired control of Mt. Nansen Mines Ltd. in 1964 and continued exploration on the Brown-McDade (BMD), Webber and Huestis zones with underground development and diamond drilling between 1964 and 1967 (Walls and Eaton, 1987). In 1966, the Rusk and Rusk West mineral showings, located in a small feldspar porphyry on the west side of Nansen Creek, were staked and explored by the syndicate.

In 1967 a production decision was made and construction of a 200 ton/day mill was started. From September 1968 to April 1969 18,000 tons of ore were mined and milled from the Huestis zone. A total of 2,482 oz (85,097 g) Au, 76,534 oz (2,624,021 g) Ag and 108,621 lb (49,373 kg) Pb were recovered from the ore. Production ceased until 1975 when the mine was reopened. In early 1976, 8,196 tons of ore were mined from the Huestis. Of this, 6,429 tons grading approximately 0.3 oz/ton (10.29 gpt) Au, 0.7 oz/ton (16.11 gpt) Ag, 1.0% Pb and 1.0% Zn were milled (Stroshein, 2007b). Major recovery issues with the sulphide flotation circuit indicated that cyanide leaching was required for better recovery (Denholm et al., 2000). Due to these unfavourable results, the property remained inactive until it was acquired by BYG Resources Inc. ("BYG") in 1984 (Stroshein, 2007b).

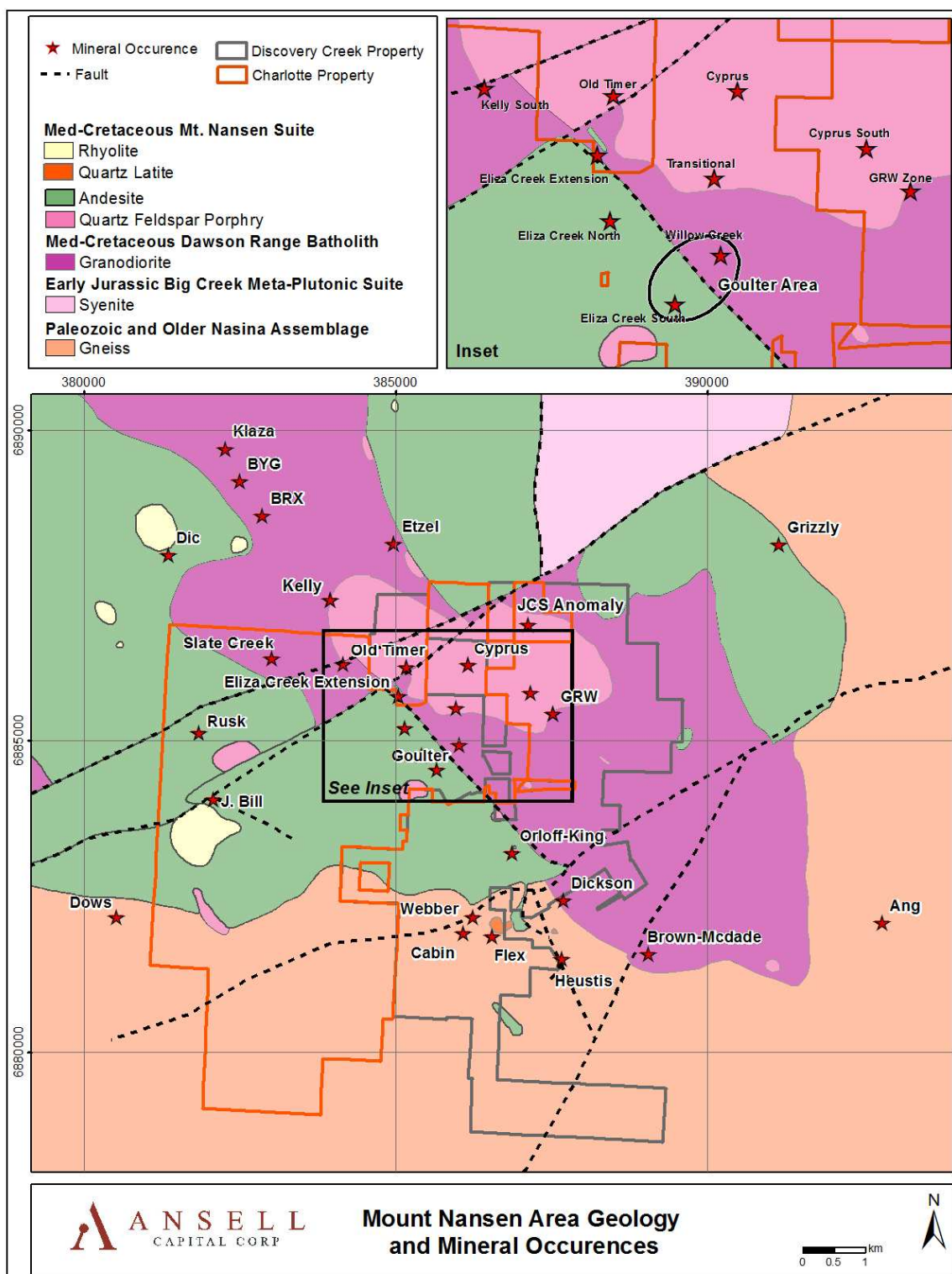


Figure 5: Mount Nansen area geology and mineral showings. After Eaton and Walls, 1987.

A porphyry copper showing known as Cyprus and a vein showing known as Etzel, part of which is located on the northeast corner of and north of the current Discovery Creek claim block respectively, was discovered (Figure 5) in 1969 and explored in 1970 with soil geochemistry and airborne geophysics. Exploration was conducted by Area Exploration Company, a subsidiary of Cyprus Exploration Corporation, under an option agreement. Detailed exploration for copper and molybdenum mineralization was conducted during 1971 to 1975, with ground geochemical and geophysical surveys, 3,480 metres of diamond drilling and 950 metres of percussion drilling. Drilling intersected a supergene zone overlying hypogene mineralization with grades of 0.12 % Cu and 0.01 % Mo at a depth below 60 to 90 meters. Supergene grades are reported as approximately double that of hypogene grades. Local fractured intervals returned high grades of copper and molybdenum with rare precious metal values (Sawyer and Dickinson, 1975).

Continued prospecting by G. Dickson uncovered mineralised float in Rusk Creek in 1975. In 1976, further exploration produced 2 oz/ton Au in epithermal style mineralization which led to trenching in 1980 and 1981. In 1979 the discovery of the Old Timers mineralisation on the north side of Tit Mountain and extension of the Cyprus deposit to the west was discovered.

In June 1985, Chevron Minerals optioned the claims that comprise the Charlotte Property located immediately east of the Discovery Creek claim block, as well as those that cover the mine and mill site. Between 1985 and 1987, Archer, Cathro & Associates ("Archer-Cathro") an exploration consulting firm, was contracted to oversee and execute an intensive exploration program (Eaton and Archer, 1988). By the end of the 1987 field season, Archer-Cathro had completed or overseen geological mapping over various parts of the property, test geophysical surveys, the collection of 6300 soil geochemical samples, aerial photography, baseline and claim surveys, rehabilitation of the BMD adit portal, 24,121 metres of excavator trenching, 1283.5 metres of percussion drilling in 17 holes, 2605 metres of diamond drilling in 41 holes, and metallurgical, geotechnical and environmental studies (Eaton and Walls, 1988). Exploration focused mainly on the delineation of near surface oxide mineralization that would be amenable to open-pit mining. However drilling also expanded the underground sulphide occurrence at the Webber and Huestis zones (Eaton and Archer, 1988).

In 1984 the Discovery Creek property was acquired by BYG, who took proprietorship of the Mt. Nansen mine. Portions of what is now the Discovery Creek property were restaked in 1984 by G. Dickson and optioned to Prochem Ltd, which changed name to Aurchem Exploration Ltd. later that year. From 1985 to 1994 Aurchem Exploration Ltd. conducted extensive geochemical, geophysics, mapping, trenching and drilling exploration on the property, including the Goulter, Porphyry South, Cyprus and Transitional Zones. Dickson continued to explore near and on the Rusk showings and added new claims to the east known as Rat and Bull. In 1986 and 1987 Dickson optioned the Rusk, Rusk West and J. Bill showings to Chevron Canada Resources who conducted geophysical, geochemical and geological surveys as well as new trenching.

In 1987 Aurchem advanced the Willow and Transitional South showings by drilling 12 diamond drill holes totalling 822 metres and petrographic and metallurgical studies. In 1988, 11 more diamond drill

holes were drilled totalling 1219 metres. From 1989 to 1990 Aurchem continued to explore Eliza South and North with soil sampling, IP/resistivity surveys, geological mapping and trenched Willow Creek as well as the Eliza showings. Preliminary metallurgical studies were done. Between 1991 and 1993 Aurchem optioned the Bull claims from Dickson and conducted soil geochemical surveys, magnetic and IP/resistivity geophysical surveys, geological mapping, and minor trenching. In 1992, 32 reverse circulation drill holes totalling 3385 metres were completed on the Eliza North and South, Transitional North and South, Porphyry South, Willow and Cyprus showings. In 1994 a reverse circulation program consisting of 27 holes and 3855 metres was conducted on the Eliza Creek (24), Cyprus (2) and Eliza North (1) showings. In the following year, Aurchem acquired 350 claims from J. Dickson to the north of the current claim block. Additional soil geochemical and magnetic geophysical surveys were conducted on this ground.

In 1988, BYG took on sole proprietorship of the Mt. Nansen Project and became responsible for subsequent exploration. That same year, exploration was overseen by Archer-Cathro and consisted of 1473 metres of trenching on the Dickson, Huestis and BMD zones and 5397 metres of diamond drilling primarily on the BMD zone and substantially less on the Orloff-King and Dickson zones. The previously unrecognized Flex zone was discovered during this period and believed to represent a near-surface oxide zone amenable to surface mining and leach treatment. BYG subsequently released a non-43-101 compliant resources estimation (Eaton and Archer, 1988). Exploration was put on hiatus between 1989 and 1994.

Metallurgical testing, mill flow sheet designs, tailings disposal assessments, and baseline environmental and assessment studies were conducted during the exploration hiatus between 1989 and 1994. Metallurgical work commissioned by BYG indicated that near-surface oxide ore would be amenable to cyanide leach treatment. Studies also indicated that gold recoveries using this treatment would be much higher than the previous method of sulphide concentrate flotation (Rodger, 1994). BYG commissioned a feasibility study in 1994 based on the implementation of a cyanide circuit. A non- NI 43-101 compliant inferred resource of approximately 400,000 tonnes at 3.17 gpt Au and 41.9 gpt Ag was established at this time for Willow Creek (Stroshein, 2007). At the same time an inferred non NI 43-101 compliant resource of 500,000 tonnes of 1.75 gpt Au and 29.5 gpt Ag was established for Eliza Creek and 520,000 tonnes of 1.8 gpt Au and 9.9 gpt Ag for the Tit Mountain Breccia (Stroshein, 2007).

Mining and milling of oxide ore from the BMD pit commenced November 1996 and ran until November 1997 with commercial gold production achieved on January 1, 1997. Initial mill throughput was designed for 700 tonnes/day and annual gold production was estimated at 50,000 oz (1,714,285 g). Ore throughput in January 1997 was 450 tonnes/day or 65% of nameplate capacity. Recoveries averaged 88% and the head grade averaged 0.235 ounces/ton (8.06 gpt) Au equivalent. Unanticipated clay alteration minerals in near-surface oxide ore decreased daily throughput to a point where the company was forced to install a semi-autogenous grinding mill (SAG mill) to deal with the clay content. The mill was forced to close in late 1997 when unseasonably heavy rainfall runoff coupled with mill effluent caused a water imbalance that the tailings impoundment could not adequately contain. Water treatment facilities were installed to meet water quality discharge objectives and the mine restarted in

January 1998. The mill was forced to work at less than full mill capacity until new pumping equipment could be installed which overcame circuit problems and finally allowed the mill to operate at full capacity. The mine ceased production in February 1999 (Denholm et al., 2000).

In total, approximately 269,000 tonnes were processed with an average gold grade of 6.2 gpt and an average recovery of 67% through the combined operating period. Total gold and silver production through the combined operating period was 37,500 ounces and 143,000 ounces, respectively (Denholm et al., 2000; Stroshein 2007b), although the Yukon Geological Survey reports total BYG production from 1997 to 1999 of 21,628 oz (741,531 g) Au and 76,866 oz (2,635,404 g) Ag.

Between 1994 and 1998 a flurry of exploration occurred in the area. The exploration consisted of: diamond drilling on the BMD and Flex zones in 1994 (990 metres in 12 holes), diamond drilling on the Flex and Huestis in 1995 (1,490 metres in 21 holes), diamond drilling in 1996 consisted of 7 holes (400 metres) on the Webber and Huestis/Flex junction and 10 holes (700 metres) on the BMD hanging wall zone (Vince Vein). Diamond drilling in 1998 included 30 holes (2,229 metres) on the Flex zone, 10 holes (762 metres) on the BMD, 12 holes (1,009 metres) on the BMD trend, 4 holes (402 metres) on the Breccia Zone (approximately 1 km north of the BMD), and 1 hole (123 metres) on the Orloff King (Middleton, 2009).

BYG was ordered to terminate operations in 1999 due to non-compliance with the terms of the water license set forth by the Yukon Water Board. Cyanide and arsenic levels in the tailings impoundment facility were found to be elevated, proper effluent treatment had not been implemented, and there was concern about the stability of the tailings dam. BYG entered into bankruptcy shortly after termination and the property came under the control of the Department of Indian and Northern Affairs ("DIAND"). D. Manning and Associates of Vancouver, BC was appointed by DIAND as receiver the same year, but soon resigned. In 2004, PriceWaterhouseCoopers ("PWC") was appointed receiver of the property and subsequently divided the property into a core claim block and a peripheral claim block. The core claim block was withdrawn from staking for environmental remediation. The peripheral claim block was opened up to tender (Denholm et al., 2000).

Aurchem Exploration carried out an exploration program consisting of limited trenching on the Wedge claims and the Eliza Creek Extension, on the flanks of Tit Mountain in 2001. In 2002 continued bulldozer and excavator trenching took place that led to the discovery of a gold-rich oxidized zone NE of Tit Mountain. In 2003, follow up on the discovery was conducted using prospecting, geochemical sampling and trenching. No work on the property has been recorded since.

Between 2007 and 2008 101073531 Saskatchewan Ltd (Sask Co) purchased the peripheral Charlotte claim block, from PWC in two transactions for a total of \$3.2 million. In addition, Sask Co entered into an option with PWC to acquire the Dome 12 claim in consideration of the sum of \$25,000 expiring 2018 (Middelton, 2008).

In order to further delineate the known vein mineralization and examine the potential for possible extensions, an airborne VTEM-Magnetic geophysical survey was completed by Sask Co under contract to Geotech Ltd. for the Charlotte claim blocks but included significant areas north and west of the block, including the entire Discovery Creek claim block. The survey was also designed to test for the presence of any additional massive sulphide type deposits that would warrant further exploration. A total of 638 line kilometres were flown (Middelton, 2008). Ansell optioned the Charlotte Property from Guinness Exploration in March 2011 and in May 2011 optioned 179 claims from Aurchem Exploration Ltd. During the 2011 field season, 11 new claims were staked along the borders of the option agreements so the claim block was contiguous. A total of 544 soil samples and 44 hand grab samples were taken in conjunction with reconnaissance and verification of historical work on the property. Several reverse circulation and diamond drill holes were located and identified along with 33 trenches.

Adjacent Properties

The Discovery Creek Property and the adjacent properties are located in the Whitehorse Mining District. There are over thirty known mineral occurrences in the Mount Nansen area and the vast majority are currently staked. The majority of the claims in the area are held by Aurchem Exploration Ltd. (396 full or fractional claims) or Archer, Cathro & Associates Ltd (Figure 6).

The primary exploration targets on Aurchem's claim block are in Discovery Creek and Iron Creek drainages. Both epithermal Au-Ag-Pb-Zn veins and Au±Cu±Mo porphyry mineralization have been identified in the Discovery Creek drainage. Work in the area has primarily focused on epithermal vein mineralization through geophysics, soil geochemistry, trenching and diamond drilling. The Iron Creek area, known as the VIC claims and located northeast of Discovery Creek, has been explored for epithermal Au veins. Work has included geophysics, soil geochemistry, trenching and diamond drilling.

Archer, Cathro & Associates Ltd. is another major stakeholder in the Mt. Nansen area. Work by Archer-Cathro in 2010 and 2011 focused on the Klaza claims and has consisted of confirmation trenching and diamond drilling on the Klaza, BYG and BRX zones. This area also has an extensive exploration history beyond the scope of this discussion. A number of other claims in the area are held by Roger Hulstein, Frank Cochrane and Bill Trerice. Little data is available on these holdings, as the claims have changed hands on many occasions. All the above information is in the public domain.

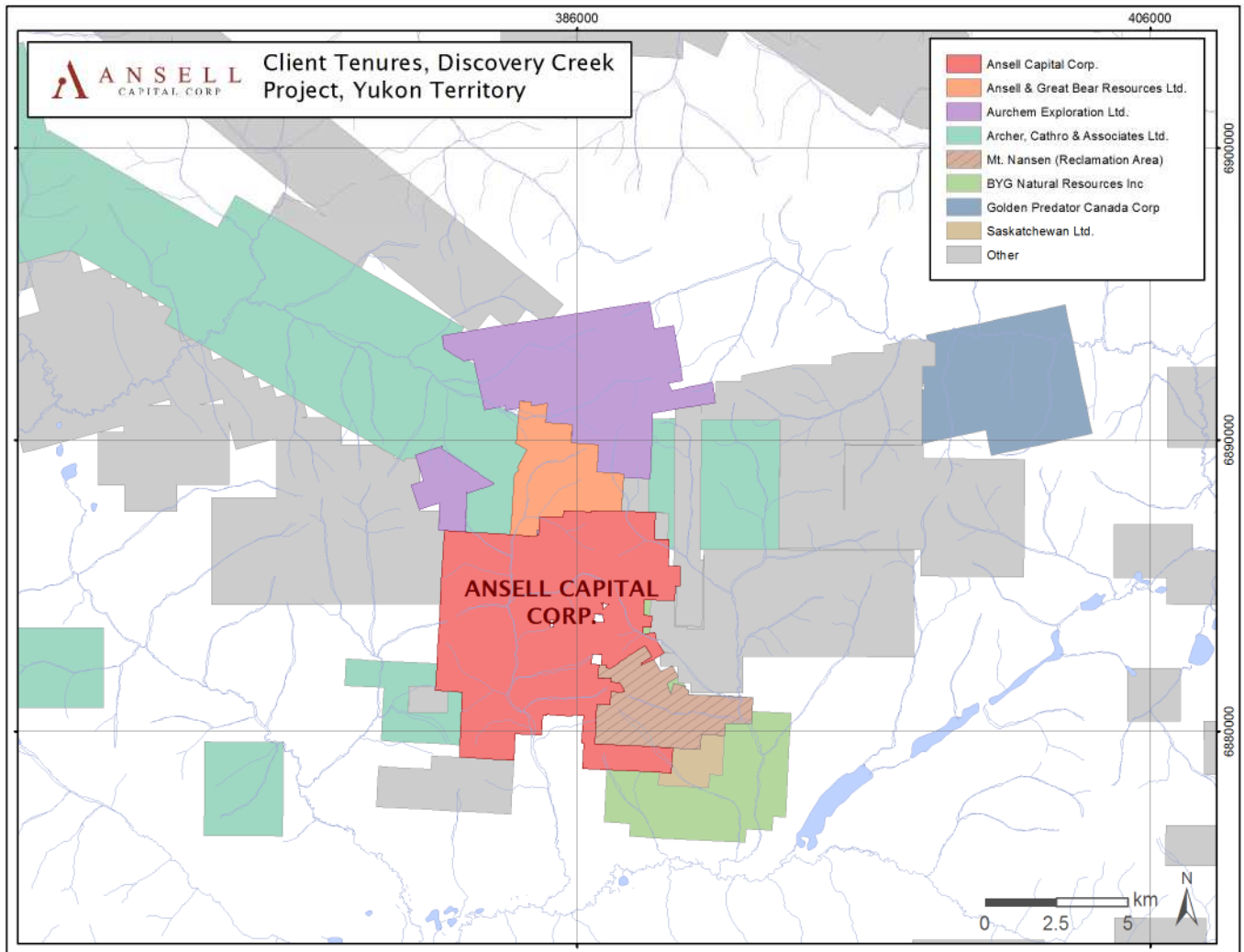


Figure 6: Adjacent Properties

Geological Setting

Regional Geology

The Mount Nansen Trend occurs within the Yukon-Tanana Terrane which is a large accreted terrane that is part of an agglomeration of terranes bounded by the Tintina Fault to the northeast and the Denali Fault to the southwest (Nelson and Colpron, 2007; Figure 7).

The Discovery Creek property is located within the Mount Nansen Trend which is a 15 kilometre long northwest-trending structural corridor, which is host to more than 30 recorded mineral occurrences of epithermal and porphyry origin. Many of the mineral occurrences are northwest-striking, steeply-dipping epithermal sulphide-bearing quartz veins that occur in all lithologies. The Mount Nansen Trend is the southeast extent of the Dawson Range Mineral Belt, which extends to the Sixty Mile River area 250 kilometres to the northwest (Hart and Langdon, 1997).

The Yukon-Tanana Terrane in the vicinity of Mount Nansen is comprised of Devonian and older meta-igneous and meta-sedimentary rocks dominated by chlorite schist and felsic ortho-gneiss (Hart and Langdon, 1997). The metamorphic rocks are intruded by alkali-feldspar-rich plutonic suites of Early Jurassic age, including the Big Creek and the Granite Mountain batholiths. The most prominent plutonic suite in the region is the sheet-like granodiorite sill of the Dawson Range batholith which is mid-Cretaceous in age (Carlson, 1987).

An alkali-feldspar quartz syenite of uncertain age forms an intrusive body in the Bow Creek drainage north of the upper Klaza River. Volcanic rocks in the area are represented by the mid-Cretaceous Mount Nansen Group suite that formed from andesitic fragmental and flow units in nested calderas. The last phase of the Mount Nansen Group volcanism resulted in hypabyssal intrusion of quartz-feldspar porphyry and quartz monzonite stocks, dykes, sills and the extrusion of minor pyroclastic flows. The Late Cretaceous Carmacks Group suite is composed of extensive and locally stacked basaltic flows of shoshonitic composition (Hart and Langdon, 1997).

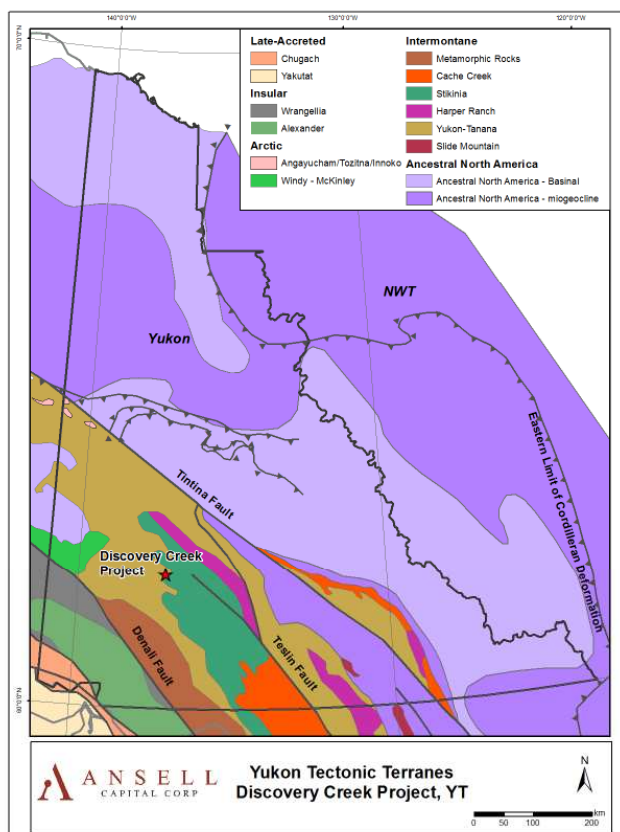


Figure 7: Tectonic assemblages of Yukon Territory. After Nelson and Colpron, 2007.

The metamorphic assemblage is divided into meta-sedimentary and meta-igneous rock suites. The meta-sedimentary suite is composed of micaceous quartz-feldspar gneiss, schist and quartzite. Carbonate rocks occur near the property but are of limited volume. The meta-igneous suite consists of biotite-hornblende-feldspar gneiss and coarse-grained granodiorite ortho-gneiss with lesser amphibolites (Carlson, 1987).

The metamorphic rocks are intruded by a number of plutonic suites. Volumetrically important units in the area include the Big Creek batholith which is recognized by its megacrystic alkali feldspars and its variable, but generally quartz-poor, composition. Quartz-rich megacrystic alkali feldspar plutonic rocks have been mapped in the area and are considered to be Early Jurassic, and may be part of the Granite Mountain batholith. The most volumetrically dominant plutonic unit in the Mount Nansen area is the mid-Cretaceous biotite-hornblende granodiorite of the Dawson Range batholith. All of the plutonic and metamorphic rocks are cut by the mid-Cretaceous Coffee Creek plutonic suite, which crops out as dykes, sills, plugs and stocks of quartz-feldspar porphyry and quartz monzonite (Carlson, 1987).

Cretaceous volcanic rocks cap the other rock units in the area. In the immediate vicinity of the Discovery Creek Project, the Mount Nansen Group volcanics, coeval to the Coffee Creek plutonic suite, primarily outcrop as andesitic fragmental units and flows. The Late Cretaceous Carmacks Group volcanic complex is not found in the immediate vicinity of the Discovery Creek Project, but is volumetrically significant in the area. It is related to the Prospector Mountain plutonic suite and often comprises flat lying pyroclastic tuffs and flow units. It is frequently recognized capping prominent ridges in the area (Stroschein 2007a and b).

Property Geology

Four rock types dominate the immediate geology of the Discovery Creek Property (Figure 5). These four rock types are comprised of the Paleozoic metamorphic Nasina Assemblage to the south, the mid-Cretaceous granodiorite of the Dawson Range batholiths in the centre, the mid-Cretaceous, quartz-feldspar porphyry of the Coffee Creek plutonic suite to the north and the mid-Cretaceous andesite of the Mount Nansen Group volcanic suite, coeval to the Coffee Creek plutonic suite, surrounding the claim block (Walls and Eaton, 1987).

The oldest rocks underlying the claim block are the Paleozoic Nasina Assemblage comprised of metamorphic rocks that occur principally in the southern portion of the property. These rocks are comprised of strongly foliated, intercalated quartz-feldspar-chlorite gneiss, quartzite, amphibolite and augen gneiss. Foliation strikes northeast and dips steeply to the northwest. These rocks host the main mineralization on the adjacent Charlotte Property, including the Webber, Flex and Heustis zones (Melling, 1995).

The mid-Cretaceous Dawson Range batholiths are represented by biotite-hornblende granodiorite which has intruded the Nasina Assemblage in the northern third of the property. The granodiorite is typically medium to coarse-grained and locally foliated. At the very north end of the property, the granodiorite has been intruded by a large mid-Cretaceous pluton of the Mount Nansen (quartz-feldspar) Porphyry Intrusive complex which is related to the Coffee Creek Plutonic Suite (Melling, 1995).

Both the metamorphic and intrusive rocks are unconformably overlain by the andesite of the Mount Nansen Volcanic Suite. This andesite dominates the central and western portion of the property and is typified by fragmental and flow units. Small plugs, dykes and sills of quartz-feldspar porphyry are observed to intrude the andesite (Melling, 1995; Figure 5). The main quartz-feldspar porphyry intrusive complex hosts the porphyry style mineralization known on the property (Sawyer and Dickinson, 1975).

Mineralization and Mineralized Zones

Two mineralization styles occur at the Discovery Creek Property: precious metal vein and porphyry style mineralization. Both conform generally to accepted deposit models for each type. Further, they fit into an encompassing model for transition from porphyry to epithermal style mineralization (Hart and Langdon, 1997). The main mineralized zones are essentially comprised of anastomosing, sulphide-quartz veins that are preferentially hosted in northwesterly trending fault/shear structures. The structures appear to cut foliated Early Mississippian gneissic rocks and are spatially related to the mid-Cretaceous intrusive suite. A secondary northeasterly-trending set of fault structures is known from detailed mapping at several mineralized zones. The northeasterly structures appear to cross-cut and offset the main fault structures, creating structurally-suitable areas for localization of mineralization at the intersection with northwesterly faults (Figure 8).

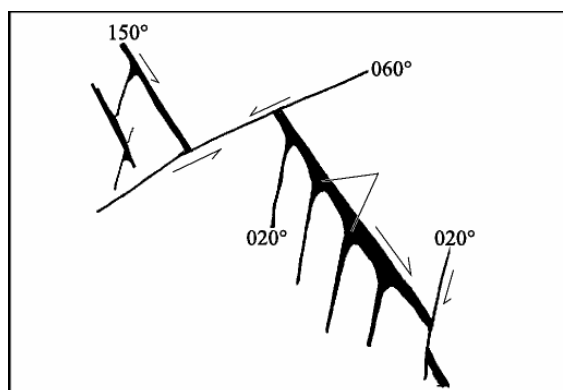


Figure 8: Structural relationships of epithermal veins in the Mount Nansen area. Bold lines represent ore. After Hart and Langdon, 1997.

Typical vein gangue mineralogy consists of quartz $\pm$ carbonate. Sulphides tend to occur in semi-massive to massive rods, or as smaller masses, blebs and disseminations throughout the vein system. Sulphide mineralogy tends to be dominated by pyrite with lesser galena, sphalerite, chalcopyrite, arsenopyrite and stibnite (Denholm et al., 2000). Gold mineralization occurs as fine-grained inclusions (5-40 microns) within or at the interstices between sulphide crystals (Lecuyer, 1997). Silver mineralization typically occurs as inclusions within galena and sphalerite crystals. High cadmium values are also associated with gold and silver mineralization. Estimates for a silver to gold ratio vary according to the worker and their set of parameters. Denholm et al (2000) reported a silver to gold ratio of 7:1 in vein style mineralization and 3:1 in breccia-pipe style mineralization. BYG reported an average ratio of 50:1 (Stroshein, 1998).

The Central Porphyry Zone is a low grade porphyry copper-molybdenum mineralized zone which spans the Charlotte and Discovery Creek claim blocks and is associated with a quartz feldspar porphyry intrusion in the northeastern end of the property. The Cu-Mo mineralization is typically found in both stockwork and disseminations. Copper mineralization is widespread over parts of the claim block and beyond, with a typical grade of <0.12% Cu. Molybdenum mineralization is usually associated with localized silicification and breccia zones. Molybdenum values on the property are generally low with an average grade of approximately <0.01% Mo. Local higher grade Cu – Mo zones are noted from fracture systems and also associated with rare precious metal values. Lead, zinc silver and gold values are also associated with porphyry-mineralization, but have not been systematically explored (Sawyer and Dickinson, 1975).

Some zones have a well-developed leach cap overtop of a supergene enrichment, which gives way at depth to hypogene sulphide mineralization. Surficial weathering can vary in depth from 5 metres to 150 metres, depending on location and slope aspect. It does not occur in every deposit and prospect, but notably in the BMD, Flex and Porphyry zones (Stroshein, 1998; Walls and Eaton, 1987). Substantial enrichment and alteration can occur to 150 metres depth, but seems to wane after 75 metres. In the vein zones such as the BMD, the ore mineralogy has not been studied in detail but supergene enrichment does not seem to significantly affect gold or silver grades. However, in the Porphyry zone, supergene enrichment has locally doubled grades. The highest copper grades there range from 0.5%-0.6% and are hosted in supergene mineralization (Walls and Eaton, 1987).

There are numerous mineralized zones located on and adjacent to the Discovery Creek Property that have been described historically (Figure 5). The mineralized structures occur in a 2.5 kilometre wide, 15 kilometre long trend known as the Mount Nansen trend. The zones exhibit differential and variable intensity of regional metasomatism and hydrothermal alteration, with localized strong bleaching and intensive clay development in some zones.

Goulter (Willow Creek / Eliza Creek South)

The Goulter showing has been broken into two zones, the Willow Creek and Eliza Creek South showings. The showings consist of Au-Ag-Pb-Zn veins along the edge of the volcanic – granodiorite contact. The

Eliza Creek showing has extensive trenching and has been drilled by both diamond and RC drilling. Willow Creek only has trenching completed.

Porphyry Zone (Cyprus and Cyprus South)

The Porphyry Zone consists of the Cyprus and Cyprus South showings. They are located to the west northwest of Tit Mountain. The showings are low grade Cu-Mo porphyry style mineralization. It was explored in the early 1970s with diamond drilling and covered with soil sampling in 1985 and 1986. No follow up work has been done.

Old Timers

The Old Timers showing is located east of the Porphyry Zone on the north side of Tit Mountain. The showing comprises several sulphide poor quartz veins with a strong silicified halo in granodiorite. Several RC drill holes were drilled in the mid-1990's.

Transitional

The Transitional showing is located east of the Eliza Creek Extension on the east side of Tit Mountain. It consists of 4 veins and stockworks within an argillically altered host granodiorite.

Kelly

The Kelly showing has been described by Hart and Langdon (1997) as a quartz monzonite porphyry that is a 275 metre-wide potassic altered zone with Cu-Mo-Au geochemical and EM, potassium and uranium highs and magnetic low geophysical anomalies.

Kelly South

The Kelly South showing is located in the Peripheral Porphyry Zone. It comprises elevated gold values associated with a pyrite shell in a phyllic altered zone hosted within granodiorite.

Eliza Creek Extension

This showing is located on the northeast flank of Tit Mountain. It consists of 4 shear zones hosted within hornblende granodiorite which has been intruded by feldspar porphyritic dykes. It is a continuation of the Eliza Creek South and Eliza Creek North showings hosted in the Mt. Nansen Volcanic Suite. Significant trenching work was done in 1994 and 2003. In 2003 ENE shears and veins running 0.2 gpt Au and 11.55 gpt Au respectively were exposed.

Slate Creek Anomaly

The area is underlain by a dark grey medium grained quartz diorite and granodiorite. Minor quartz feldspar porphyritic dykes. A small soil survey of 12 samples was done in 2003.

JCS 1-4 Anomaly

This Cu-Mo anomaly is within an area underlain by quartz feldspar hypabyssal rocks located at the eastern end of the Mt. Nansen Porphyry complex. It was briefly explored during the 1971-1972 field seasons. The anomaly has been covered by a 2 geochemical soil sampling surveys.

Assessment Report on the Discovery Creek Property

	HIGH-SULPHIDATION	LOW-SULPHIDATION	
	subtype	subtype	
	Hosted in volcanic rocks	Hosted in volcanic and plutonic rocks	Hosted in sedimentary and mixed host rocks
Geological Setting	volcanic terrane, often in caldera-filling volcanoclastic rocks; hot spring deposits and acid lakes may be associated	Spatially related to intrusive centre; veins in major faults, locally ring fracture type faults; hot springs may be present	In calcareous to clastic sedimentary rocks; may be intruded at depth by magma; can form at variety of depths
Ore Mineralogy	native gold, electrum, tellurides; magmatic-hydrothermal: py (+bn), en, tennantite, cv, sp, gn; Cu typically > Zn, Pb; Au-stage may be distinct, base-metal poor; steam-heated: base-metal poor; gangue: quartz	electrum (lower Au/Ag with depth), gold; sulphides include: py, sp, gn, cpy, ss); sulphosalts; gangue: quartz, adularia, sericite, calcite, chlorite; $\pm$ barite, anhydrite in deeper metal content, high sulphide veins closer to	gold (micrometre): within or on sulphides (e.g. Pyrite unoxidized ore), native (in oxidized ore), electrum, Hg-Sb-As sulphides, pyrite, minor base metals; gangue: quartz, calcite
Alteration mineralogy	advanced argillic + alunite, kaolinite, pyrophyllite (deeper); $\pm$ sericite (illite); adularia, carbonate absent; chlorite and Mn-minerals rare; no selenides; barite with Au; steam-heated: vertical zoning	sericitic replaces argillic facies (adularia $\pm$ sericite $\pm$ kaolinite); Fe-chlorite, Mn-minerals, selenides present; carbonate (calcite and/or rhodochrosite) may be abundant, lamellar if boiling occurred; quartz-kaolinite-alunite-subtype minerals possible in steam-heated zone; clays	silicification, decalcification, sericitization, sulphidation; alteration zones may be controlled by stratigraphic permeability rather than by faults and fractures; quartz (may be chalcedonic)-sericite (illite)-montmorillonite
Host rocks	silicic to intermediate (andesite)	intermediate to silicic intrusive/extrusive rocks	felsic intrusions; most sedimentary rocks except massive carbonates (hosts to mantos and skarns)
$^{18}\text{O}/^{16}\text{O}$ -shift in wall rocks	may be less pronounced, or superposed on earlier high- ^{18}O alteration	moderate to large; pronounced in and immediately to veins	very limited ^{18}O -shift of altered rocks, if present at all
C-H-S isotopes	magmatic fluids indicated ($\delta^{13}\text{CCO}_2$ @ -5 $\pm$ 2; $\delta\text{DH}_2\text{O}$ @ -35 $\pm$ 10; $\delta^{18}\text{OH}_2\text{O}$ @ +7 $\pm$ 2; $\delta^{34}\text{SSS}$ @ 0); magmatic-hydrothermal alunite; $\delta^{34}\text{S}$ > sulphide minerals; δD @ -35 $\pm$ 10; steam-heated alunite; $\delta^{34}\text{S}$ @ sulphides, d^{18}O data indicate hydrothermal origin	magmatic water (H_2O) may be obscured by mixing; surface waters dominate; C, S typically indicate a magmatic source, but mixtures with wall rock derived C, S possible	hydrogen isotope data (sericite, clays, fluid inclusions) in some cases indicate presence of evolved surface organic carbon ($\delta^{13}\text{C}$ @ -26 $\pm$ 2) may be derived from wall rocks
Ore fluids (examples from fluid inclusion studies)	160-240°C; $\leq$ 1 wt.% NaCl (late fluids); possibly to 30 wt.% NaCl in early fluids; boiling common; (Nansatsu district, Japan; Hedenquist et al., 1994)	sulphide-poor: 180-31°C, $\leq$ 1 wt.% NaCl, about 1.0 molal CO_2 (Mt. Skukum: McDonald, 1987)	bimodal: 150-160 (most); 270-280°C, $\leq$ 15 wt.% NaCl;
		sulphide-rich: ave. 25°C, <1 to 4 wt.% NaCl (Silbak-Premier: McDonald, 1990)	nonboiling: (Cinola: Shen et al., 1982); 230-250°C, $\leq$ 1 wt.% NaCl; nonboiling (Dusty Mac: Zhang et al., 1989)
Age of mineralization and host rocks	host rocks and mineralization of similar age	mineralization variably younger (>1 Ma) than host rocks	mineralization variably younger (>1 Ma) than host rocks.
Deposit size	small areal extent (e.g. 1 km ²) and size (e.g. 2500-3500 kg Au)	may occur over large area (e.g. several tens of km ²); may be large (e.g. 100 000 kg Au).	may have large areal extent (e.g. >>1 km ²), large size (e.g. 58 000 kg Au), low grades (e.g. 2.5 g/t)
Examples: Canadian	Equity Silver, B.C.; Mt. Skukum, Yukon (only: alunite 'cap')	Blackdome, B.C.; Mt. Skukum, Yukon (Cirque vein)	Cinola, B.C.
	Al deposit, Toodoggone River, B.C.	Silbak-Premier, B.C. (intermediate sulphidation)	
Examples: Foreign	Summitville, Colorado	Creede, Colorado (intermediate sulphidation)	Hishikari, Japan
	Kasuga, Japan		

Table 2: Summary of epithermal sub-type characteristics. From Taylor, 2008.

Alteration

Five hydrothermal alteration facies have been documented as a function of exploration and development in the Mt. Nansen area (Stroshein, 2007b):

Propylitic Alteration

- Widespread throughout the area.
- Characterized by chlorite, calcite, epidote, albite and magnetite minerals.
- Most commonly associated with plutonic rocks adjacent to the Mount Nansen Porphyry system.

Phyllic Alteration

- Characterized by quartz, sericite, pyrite, kaolinite and the absence of mafic minerals.
- Pyrite content increases with decreasing silicification.
- Carries ore grade Au-Ag values surrounding core of veins or breccias.

Silicic Alteration

- Characterized by intense to extreme silicification.
- Silicified wall rock distinguished by very fine vugs, yellow weathering and drusy quartz lined cavities.

Argillic Alteration

- Characterized by the clay minerals kaolinite, montmorillonite and minor sericite.
- Sulphides are commonly leached out, leaving cavities in altered rock.
- Often occurs with white, ``bleached`` zones.
- Forms broad envelope around phyllic or silicic alteration zones.

Potassic Alteration

- Honey-brown to dark brown coloured alteration.
- Characterized by biotite and potassium feldspar with minor magnetite and epidote.

Structure

Complex fault intersections in igneous host rock such as quartz-feldspar porphyry can produce steeply plunging breccias pipes. A number of these occurrences have been documented across the property and include those within the Mount Nansen Porphyry complex (Eaton and Archer, 1989).

The complicated structural setting has a dramatic effect on the morphology of the vein systems. Veins vary from planar and consolidated, such as the Huestis and Webber zones, to complex and anatomising, like the Flex zone. Vein systems are continuous up to 550 metres in length and from 2 metres to as much as 8 metres wide (Denholm et al., 2000). Faulting and shearing are the two main structural features of the property. Three sets have been encountered and are described as follows (Hart and Langdon, 1997, Figure 8).

Northwest Trending Faults

These are the primary mineralizing structures found on the property. They strike approximately 130°-150°, dip steeply southwest and are continuous on a scale of hundreds of metres. Although other displacement has been recorded by faults of this orientation, motion has been dominantly dextral.

North-northeast Trending Faults

These faults range from 005°-045°, dip steeply east-northeast and are locally considered dextral “cross-faults” to the primary northwest faults. They are characterized by their discontinuity and tend to terminate at intersections with primary structures. These intersections are structurally important as they host significant high-grade “blow-outs” in mineralization. It is likely that these faults are conjugate and coeval to the northwest faults.

East-northeast Trending Structures

This set of structures is present as faults, fractures and joints on the property. They trend approximately 060°, are generally un-mineralized and yet offset mineralized structures. These structures are easily observed on airphotos, but more difficult to locate on the ground due to limited outcrop exposure.

2011 Exploration Program

Ansell Capital Corp optioned the property from Aurchem Exploration Ltd, a Parksville, BC based company, on May 19, 2011 and commenced field work June 10th, 2011 to fulfill the commitments of the underlying agreement. The program was conducted from Ansell’s camp on the adjoining Charlotte Property, immediately to the east (Figure 4). The same crews were used to perform the work on both properties as well as utilizing the facilities at the Charlotte Camp.

The 2011 exploration program carried out on the Discovery Creek Project was designed to verify the historical work and to achieve an understanding of the local geology in tandem with the work conducted on the Charlotte Property. Work completed by Ansell included ground truthing historical drilling and trenching as well as undertaking new geological mapping and geochemical soil sampling.

Tables AI-2 and AI-3 in Appendix I summarize the affected claim blocks along with the type of work which was performed while Figure 9 shows these claims.

The map displays a topographic view of the Discovery Creek Project area. A grid of claim blocks is overlaid on the terrain. The blocks are color-coded: purple for 'Worked Claims' and green for 'Claim'. The grid covers a range of coordinates from 382000 to 388000 on the x-axis and 6878000 to 6886000 on the y-axis. The map includes a legend in the bottom right corner and a scale bar indicating distances up to 1,000 meters. The title 'Worked Claims 2011' and 'Discovery Creek Project, YT' are centered at the bottom. The Ansell Capital Corp. logo is in the bottom left corner.

Worked Claims 2011
Discovery Creek Project, YT

ANSELL
CAPITAL CORP.

0 500 1,000 m

Legend:
Worked Claims (Purple)
Claim (Green)

Coast Mountain Geological Ltd.

Personnel, Contractors and Program Chronology

The Discovery Creek Project was supervised by Project Manager Peter Dadson, P.Geol. with Project Geologist Nicola Struyk, 2 Junior Geologists, 5-6 Geo-technicians, and a cook. As the project progressed, numerous personnel adjustments were made in order to facilitate the changes in the project including the addition of a four man diamond drill crew.

The following is a chronological summary of the summer's work. Note that the crews were shared between both the Charlotte and Discovery Creek Projects. As a result, gaps in the timeline are a result of crew's scheduling and the logistic of work and deadlines on the Charlotte Project.

May 19	Ansell optioned 179 claims from Aurchem Exploration Ltd.
May 24-27	Initial crew mobilization from Vancouver to the Charlotte Project
May 27-June 5	Initial crew mobilized to property and began establishing camp on the Charlotte Project
June 10-15	Claims staked
July 8	Technical Advisor from Ansell Capital Corp toured the property
July 8-27	Regional Soil sampling program
July 28-August 10	Ground truthing of historical work and geological mapping
August 3	Ansell Directors tour of the property
August 31	Crew mobbed out of the Charlotte Camp

Tables 1 to 4 in Appendix I presents a breakdown of the expenditures by claim and a general expenditure listing.

2011 Program Protocol

Sample Security

All samples were stored in a secure tent on site in camp to await transportation. The samples were then delivered in person to Acme Labs' Whitehorse sample preparation facility by one of the camp personnel or by the expeditor with a chain of custody form.

QA/QC Methodology

There was a strict QA/QC policy in place for the 2011 exploration program, including chain of custody for samples. Handheld Garmin GPS were used to locate each sample location. Each sample location was recorded on sample sheets in the field and then transferred to a digital file on a regular basis. Duplicates were taken every 20th sample on the soil geochemistry program. As the mapping program was mainly

confirming historical work and mapping, detailed notes were taken, but no additional QA/QC procedures were implemented.

Acme Labs also prepared their own QA/QC methods by systematically inserting standards, blanks and replicates into sample batches (Appendix III for soils and Appendix V for hand samples). In order to test the efficiency of the QA/QC protocols and track the laboratory's accuracy a statistical analysis of the reported results is in progress.

Analytical Procedures

All rock and soil geochemical samples were analyzed by Acme Laboratories in Vancouver. Rock samples were crushed in their entirety, using a crusher made of tool steel to a -10 mesh sieve. A 250g aliquot of this coarse material was crushed to 85% passing a -200 mesh sieve.

A 36 element suite was analyzed using 15 gram splits from the crushed rock and leached at 95°C using Aqua Regia. The samples were then analyzed using ICP-MS. Assays for the key metals of interest, gold (Au), and silver (Ag) were obtained using fire assay and ICP-MS techniques with gravimetric finish for all samples. In addition, overlimits for gold, silver, copper, lead and zinc were subsequently re-analyzed using hot four acid digestion and ICP emission spectrometry to provide percent level concentration results.

Soil geochemical samples were prepared by drying at 60°C, with sieving up to 500 gram to -80 mesh. The samples were analyzed using 15 gram splits from the each sample and leached at 95°C using Aqua Regia. The samples were then analyzed using ICP-MS producing results for 36 elements. Appendix VI presents all the appropriate technical descriptions provided by Acme.

2011 Soil Geochemistry Program and Protocol

In 2011 a B horizon soil geochemical sampling program was conducted over parts of the Discovery Creek Property in conjunction with the soil sampling program on the Charlotte Property. The aim of the program was to extend the soil lines from the 1985-1986 program conducted by Archer Cathro. As the Discovery Creek property was acquired fairly late in the planning stages of the program, little time was available in order to do a complete compilation of the historical data. As a result only a few of the lines actually extended on to the Discovery Creek property. The soil lines were initially planned for the Charlotte Property but extended on to the Discovery Creek property where there was a high level of confidence that soil geochemical data did not exist historically. All work was done in accordance with the Yukon Class 1 permit under the Quartz Mining Act.

Despite the relatively deep weathering, soil development is generally poor. Typical soil profiles consist of 5 to 10 centimetres of organics overlying 0 to 5 centimetres of white volcanic ash, 10 to 100 centimetres of red-brown soil and 100 to 200 centimetres of decomposed bedrock mixed with soil

through solifluction. The ash layer is part of the White River Ash and is the product of two major volcanic eruptions in the Wrangell-St. Elias Range that occurred about 1100 years before present.

Soil lines were spaced 100 metres apart and samples were taken every 50 metres along each line. Every 20th sample location had a duplicate sample taken for QA/QC purposes. A second hole was dug for this sample and labelled with a sequential sample number. A total of 538 samples were collected on the Discovery Creek claims, including 13 duplicates. See Appendices II and III for sample descriptions and assay certificates.

The property covers several placer gold operations, where the ground is severely disturbed. Where the soil lines passed through the operation, samples were generally still taken, but it was noted that the sample was taken on the grounds of a placer operation. If there was no B horizon present, a sample was not taken.

2011 Mapping and Sampling Program and Protocol

The aim of the mapping program was to conduct a preliminary ground truthing and investigation program on the property to confirm historical drilling and trenching, as well as to confirm mineralisation and geology of the property. All work was done in accordance with the Yukon Class 1 permit under the Quartz Mining Act.

The ground was traversed starting in the NE part of the claims and moved south to cover the most extensively worked ground on the Goulter and Eliza Creek Extension showings. A total of 155 outcrops or locations within old exposed trenches were visited during the field season from which 44 hand samples were taken for geochemical analysis. See Appendices IV and V for sample descriptions and assay certificates. The following geological descriptions are based on 2011 field work only, however insufficient time was spent to cover the entire property so not all geological units that are shown in Figure 5 are presented below.

Mapping of the historical trenches confirmed that the Discovery Creek valley is underlain by aphanitic to fine grained weakly to moderately magnetic basaltic to andesitic flows and fragmental flow breccias that have been intruded by felsic porphyritic (granodioritic and feldspar porphyry) dykes, and quartz +/- carbonate veins with varying amounts of sulphides (Figure 16). The basalts have been locally phyllic and propylitically altered around veins and intrusions which have created large alteration halos. The amount of bleaching around the intrusions and veins is rather large compared to the size of the observed feature. The reasons for this are currently unknown. The dykes and veins are both strongly sheared and as a result are easily weathered and broken and make identification of the rock difficult. The north east part of the valley is underlain by medium grained altered granodiorite. The granodiorite and feldspar porphyries are moderately to strongly argillically altered with up to 10% disseminated pyrite as well as

being locally silicified. Arsenopyrite, sphalerite and lesser galena are also observed in quartz stringers and veins throughout the area.

The mineralization is dominated by finely disseminated and euhedral pyrite, arsenopyrite and minor stibnite, chalcopyrite, sphalerite and galena. The presence of pyrite in two forms suggests that there were a minimum of two events of mineralization. Blebby pyrite is often seen within envelopes around quartz stringers with chlorite and silica. The stringers contain minor pyrite with variable amounts of quartz.

The alteration varies from mafic-rich propylitic alteration, silicic and pyrite phyllic and bleached argillic assemblages. The granodiorites and porphyry intrusions are host to the majority of the alteration and mineralization in the area. Where the porphyries intrude the basalts, the alteration is observed to extend for several metres into the host.

There is no preferential orientation to the structure within the granodiorite, however the unit itself appears to be oriented NW/SE. Other field structural observations were varied, and as such no further interpretation can be done exclusively on the new data set.

2011 Claim Staking

Eleven (11) claims were staked during the 2011 season to fill in the gaps between the Charlotte claim block and the Discovery Creek Claim block (Nicola 0-6 and Nicola 8-11). Staking commenced June 10th and was completed by June 15th. A claims application was submitted June 20th, however the status of the claims are still pending at the time of submittal of this report (Figure 2).

Interpretation and Conclusions

Gold and silver mineralization occurs within shear zones adjacent and proximal to mineralized porphyritic intrusive rocks. A complex intrusive history and a sustained period of multiple mineralizing events have created a structural setting that is conducive for the occurrence of gold and silver mineralization in fault zones and at fault intersections that present worthy targets for additional exploration. Previous workers conducted sufficient exploration in the form of surface work and drilling to develop mineral resources that were acceptable for development activities at the time on the Eliza Creek, Willow Creek and Tit Mountain showings on the Discovery Creek Property as well as the Webber, Flex, Heustis and BMD on the adjoining Charlotte Property. The existence of epithermal and porphyry style gold, silver, and copper mineralization has been documented by prior exploration, but not to NI 43-101 standards. See the Exploration History section for more information.

Thematic maps were made for Au, Cu, Ag, Pb, Mo and Zn and overlain on top of local and regional geophysics. A total of 6 anomalies or exploration targets have been identified on the property from this year's soil and reconnaissance and mapping surveys, local airborne geophysics flown in 2008 and public regional radiometrics and magnetics (Figures 17-24).

Local airborne geophysics flown in 2008 was useful in finding and confirming regional and local structures. It has also documented the presence of mineralized zones not previously tested by drilling. Sizeable gold and multi-element anomalies remain known but unexamined by trenching or drilling and are offset by major previously known structures. Anomaly A (the Mo-Cu in the East Porphyry area) and B (the Mo-Cu +/- Ag, Au in the West Porphyry) have been previously identified but never explored by either trenching or drilling.

Anomaly B, a multi-element soil anomaly (Pb, Ag, Cu and Mo), is located near the intersection of the East Fork and Rusk Creek Faults. This could be caused by element mobility along the two faults, although these faults cut off the mineralization to the north by forming a contact between the QF porphyry and the unmineralized Mt. Nansen Volcanics. The entire northeastern section of the claims that is underlain by the large QF porphyry has a strong Cu-Mo anomaly. This anomaly has been noted historically and is observed in the historical soils, but has now been extended to the west just past Summit Creek. The highest values from the 2011 soil samples include 52 ppm Mo, 2307.9 ppb Au and the best four copper values in soils of 851.8 ppm, 794.2 ppm, 522.2 ppm, and 492.9 ppm are all located in this area. There is a "tail" of higher molybdenum values leading towards the porphyry but it does not align with any observable geological or geophysical feature.

A gold in soil anomaly was recognized near Slate Creek in the 2003 soil sampling program. It was noted that 3 out of 12 samples taken were anomalous for Ag (>0.9 ppm) and 7 out of 12 were anomalous for Au (>0.02 ppm). This area overlays a weak magnetic high that trends NW and underlies the Heustis, Flex and Webber Zones on the neighbouring Charlotte Property. In addition, immediately south in the Rusk showing which also had 2 out of 3 soil samples from the same program come back weakly anomalous for Au. This anomaly has been named Anomaly C.

Anomaly D is located near the Old Timers showing north of Tit Mountain. The two high Au and Ag hand samples were from this area and were hosted in a sericitized intrusive and altered basalt. The bleached basalt with ran 0.2 gpt Au and 6.9 gpt Ag and the other, also an altered basalt, ran 0.335 gpt Au and 0.2 gpt Ag.

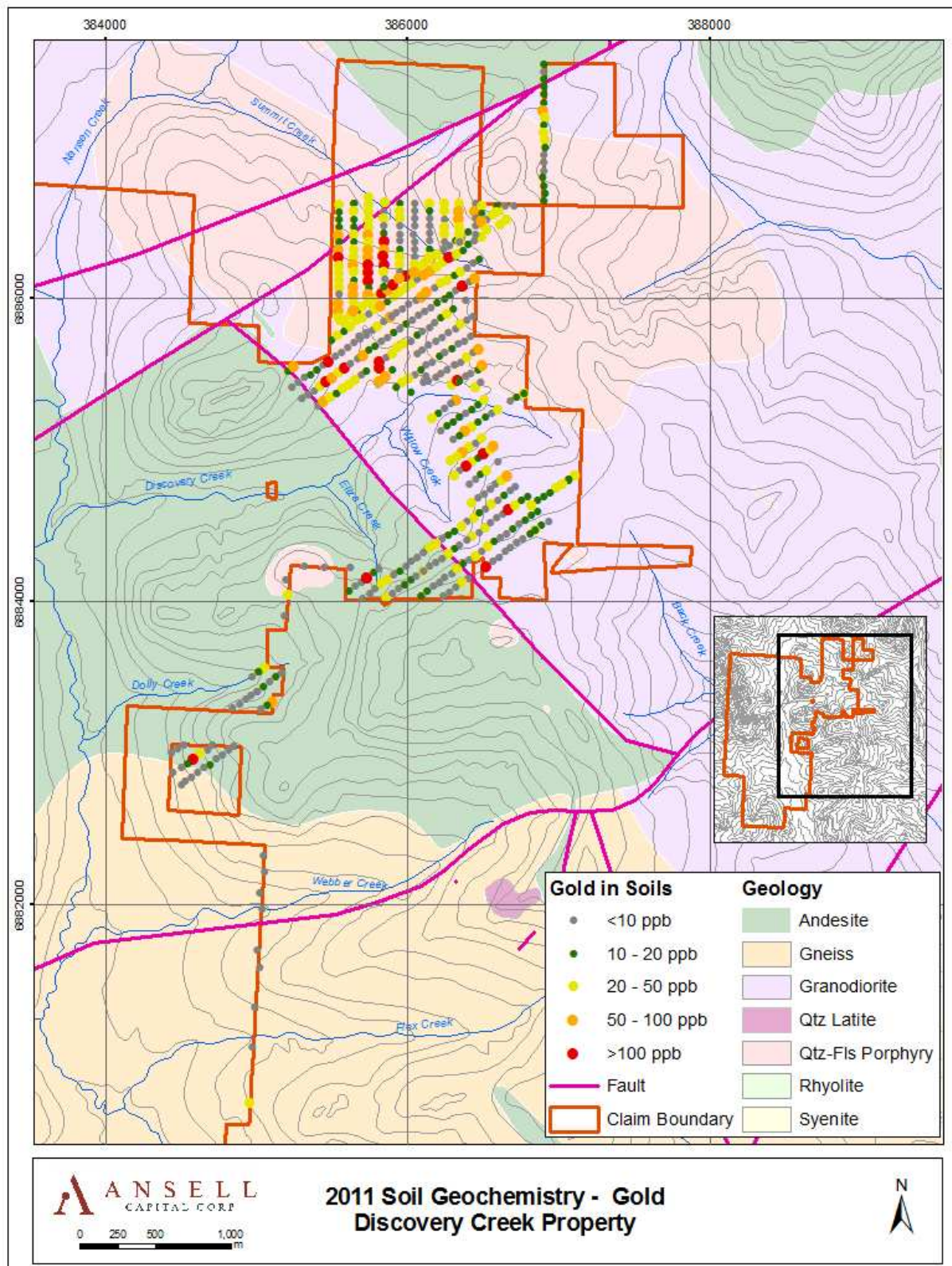


Figure 10: Gold in soils.

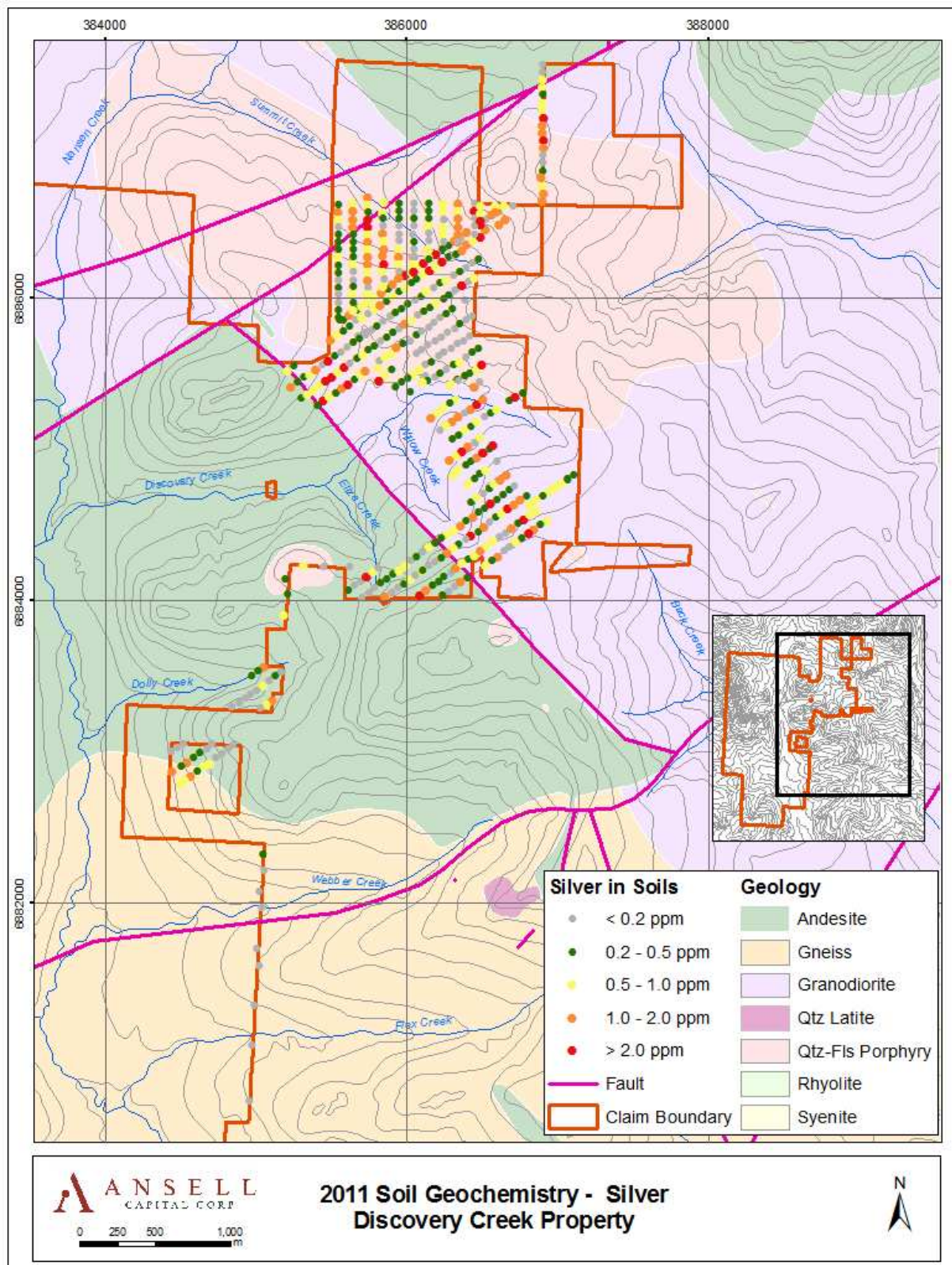


Figure 11: Silver in soils.

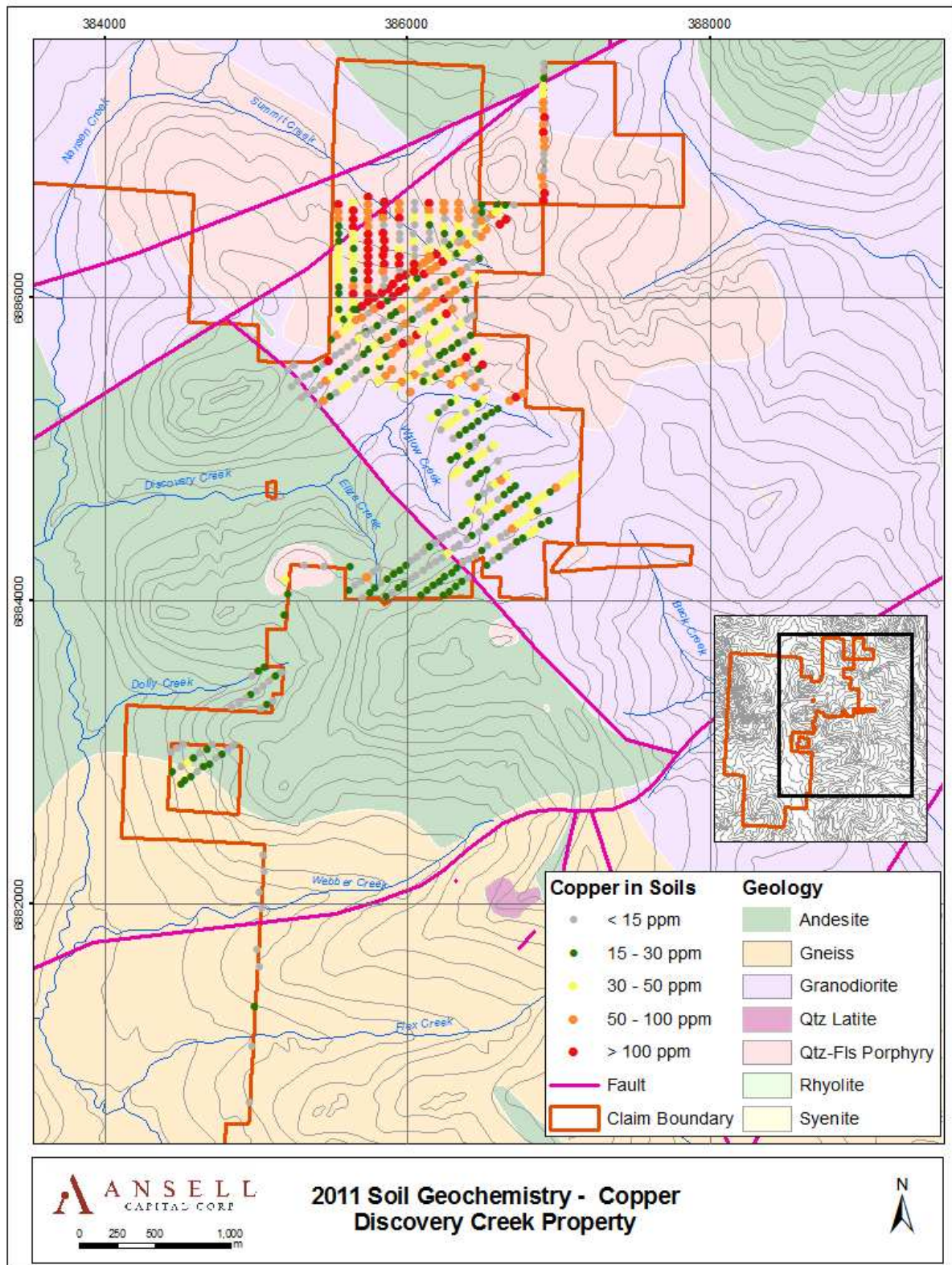
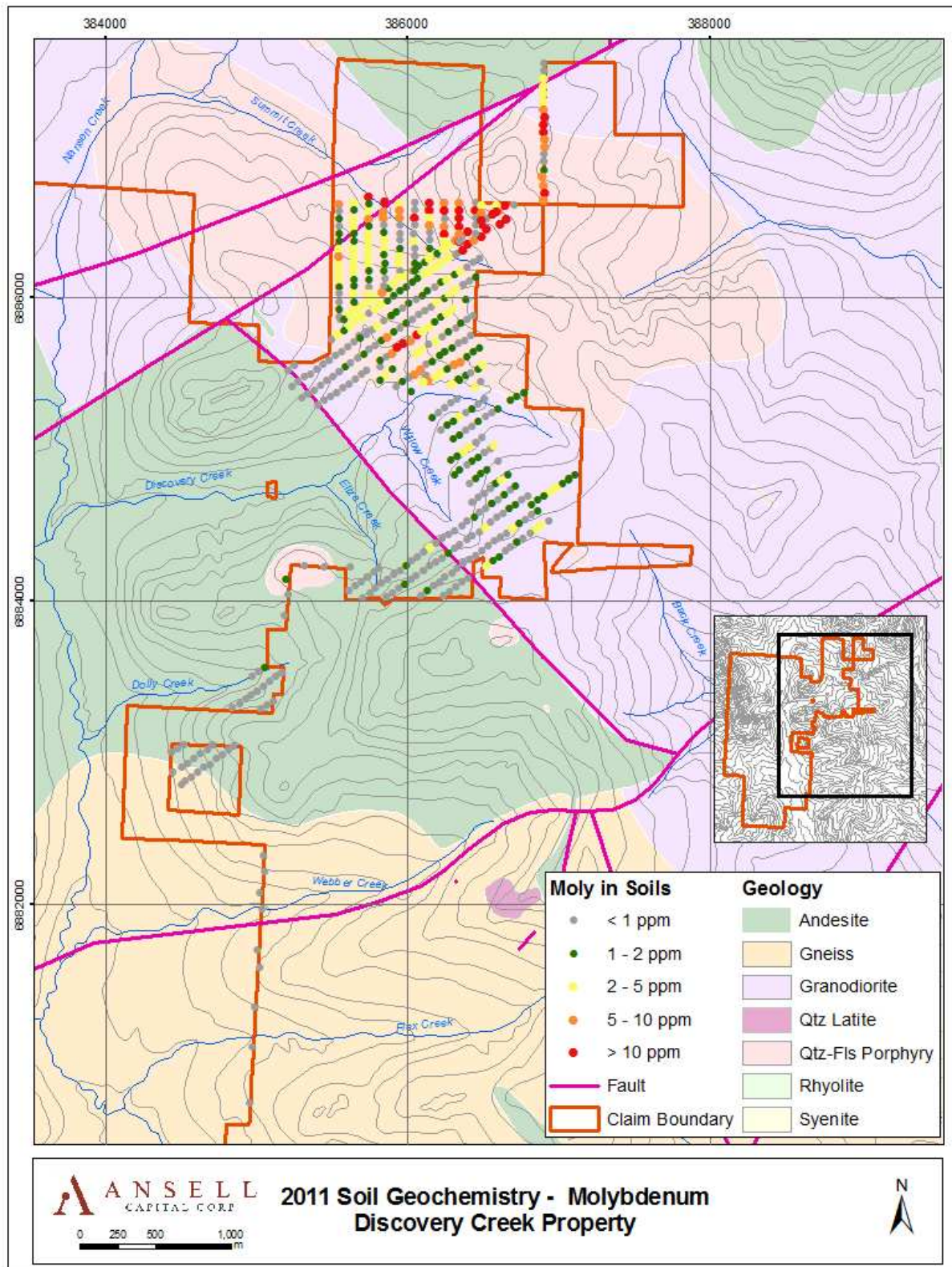


Figure 12: Copper in soils.



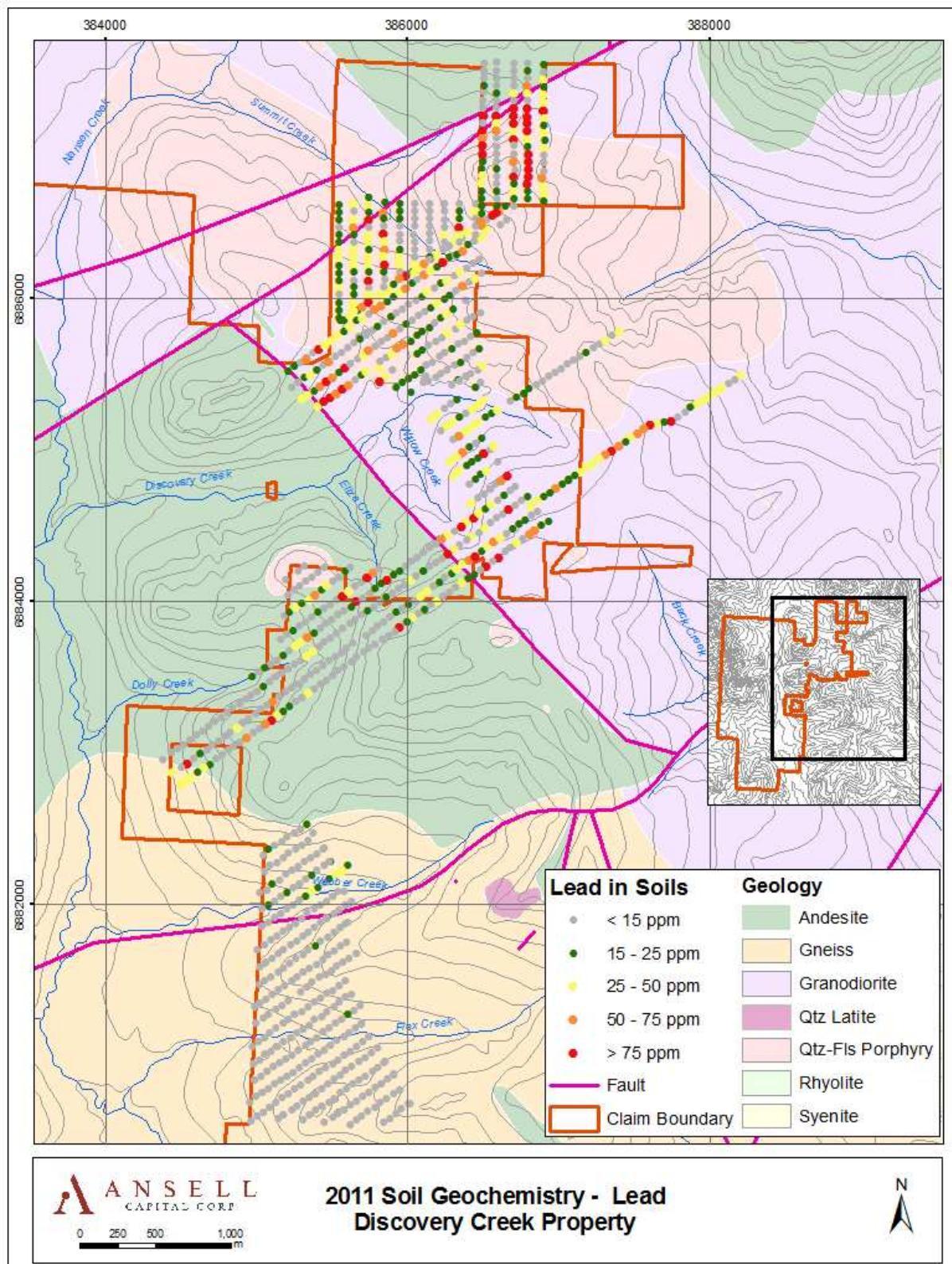


Figure 14: Lead in soils.

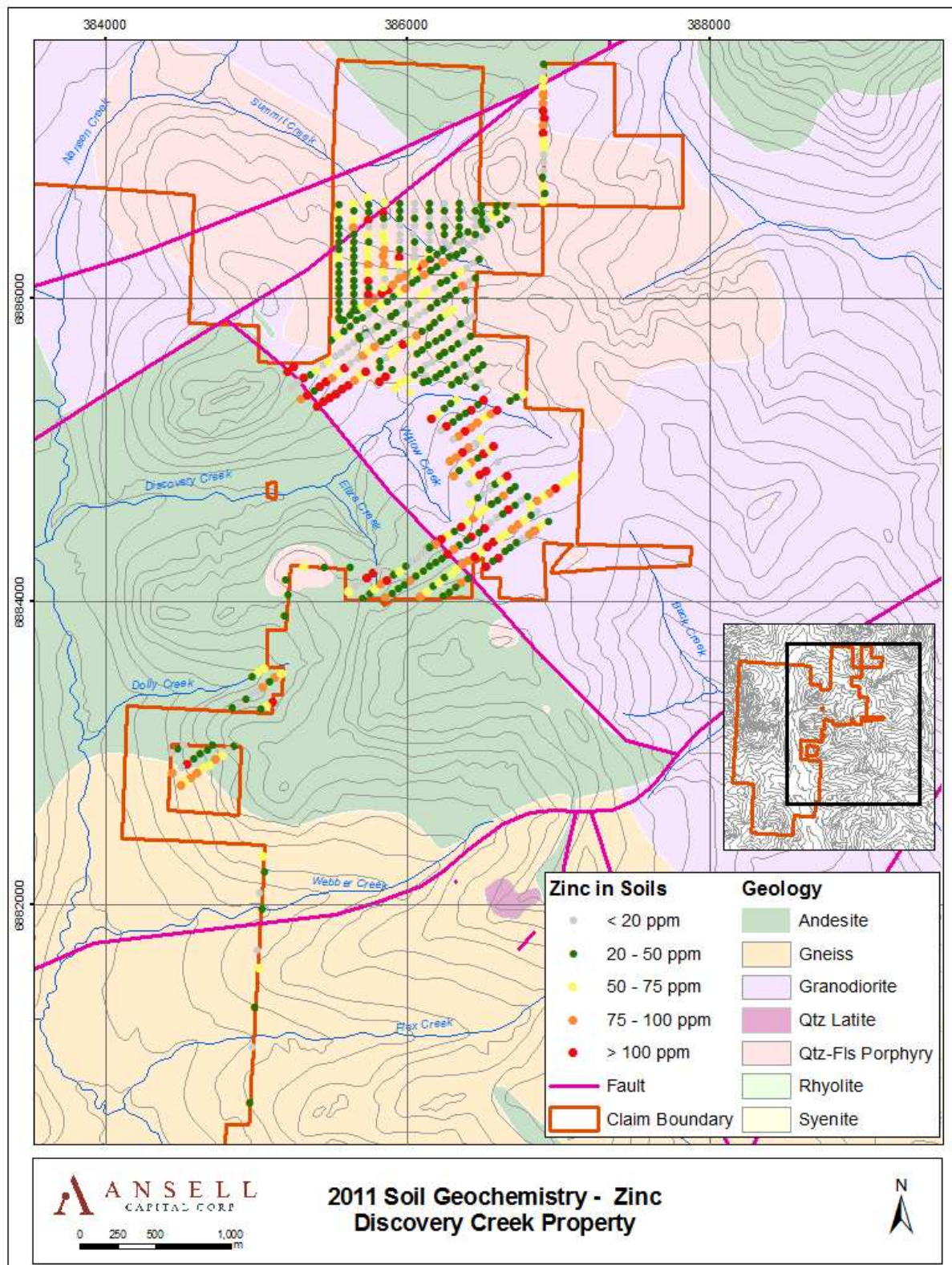


Figure 15: Zinc in soils.

Anomaly E consists of the highest silver values from two samples and is located immediately west of Eliza Creek and east of Willow Creek in areas of previous workings. Both samples are anomalous in that there are few other high values in the immediate area. The highest zinc and lead values are the same sample (and its duplicate) that contained the highest silver value, immediately west of Eliza Creek. There is a Pb-Zn rock anomaly that runs from the Orloff-King Zone, along a NW-SE trend through Willow Creek to Tit Mountain. The section along Willow Creek has been extensively explored in the past, including trenches and RC holes and confirms that some mineralisation exists. Preliminary mapping in the old trenches resulted in an altered basalt with a hydrothermal vein that assayed 41.2 gpt Ag, 1.75% Zn and 0.12 ppm Pb.

There is a radiometric potassium high below the Mo-Cu Porphyry Zone, a weak high below the Flex and the Webber Zones and a slightly weak one below the BMD pit. It appears that potassium does not correspond to topography unlike thorium and, to a lesser degree, uranium which are known to have higher values over topographical highs due to the increase in rock mass below the ground. While a high potassium value could mean either an increase in potassic alteration or increase in QF or Feldspar dykes, both highs in the Mt. Nansen area have known mineralisation. Potassium has a similar signature over the Flex and Porphyry Zones that are also seen in the Rusk Creek area. It could be strictly due to the known porphyry intrusions but could also mean that there is an increase in potassic alteration and associated pyrite, sphalerite and galena mineralisation. This is Anomaly F.

This valley from where placer gold was first discovered in 1899 retains good potential for continued exploration. The Eliza Creek and Willow Creek showings are 200-400 metres on either side of the contact between the andesite and granodiorite. Immediately north of the Eliza Creek extension the Rusk Creek Fault terminates the mineralisation.

Remapping of the historical trenches in both the Eliza and Willow Creek areas, as well as continuing the soil grid west to the Rusk Creek showing would be warranted if the historical soils do not cover this area. Depending on the results of the historical drilling, some drilling may also be warranted in this area (historical compilation is an on-going project for the winter months).

Assessment Report on the Discovery Creek Property

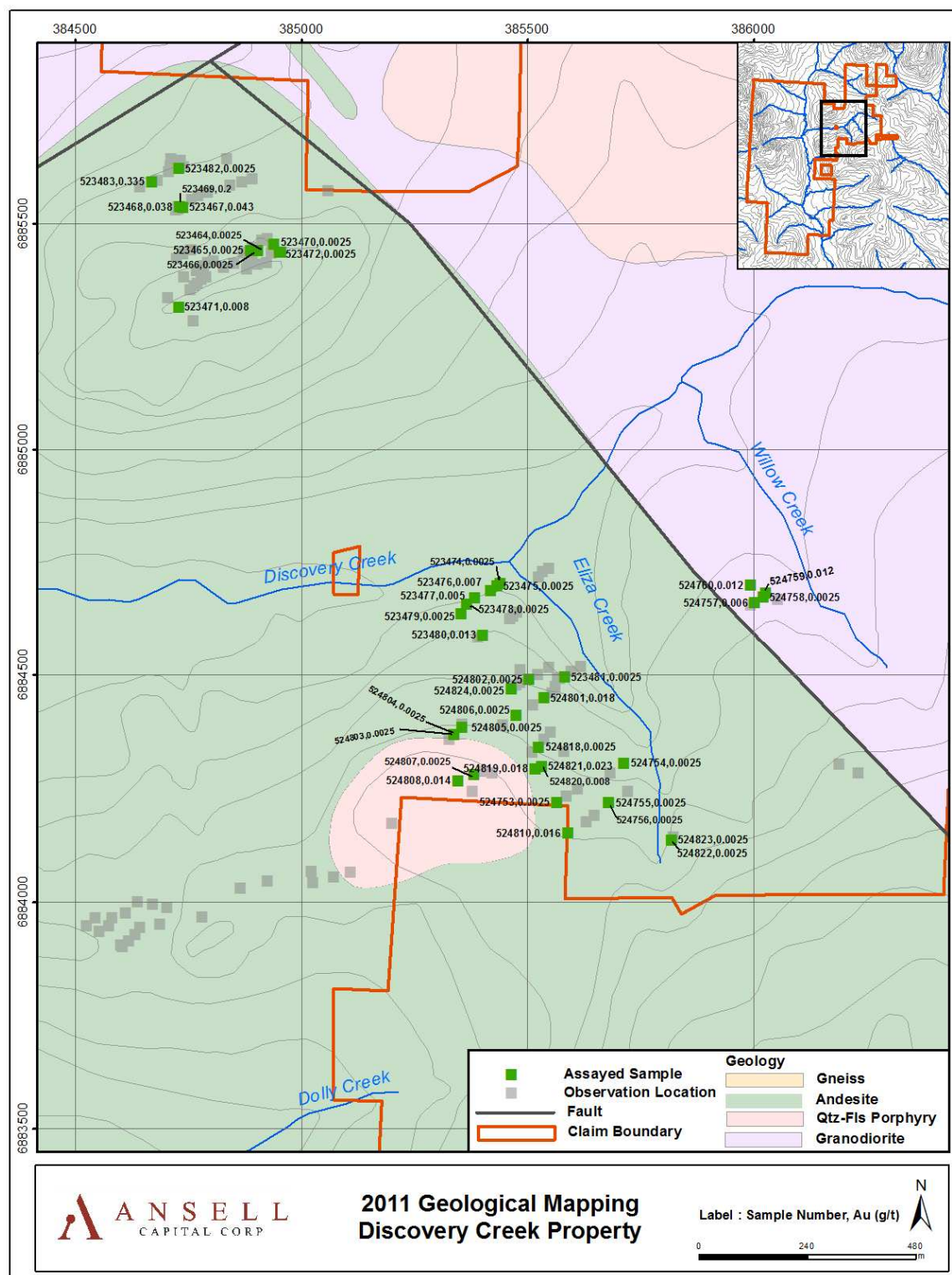


Figure16: Geological mapping locations

Other work from the 1997 drill program has shown strong anomalies that were confirmed in this year's work. Better refinement of the 6 anomalies will occur as the ongoing data compilation and digitizing continues.

The following is a summary of these anomalies:

Anomaly A (Porphyry East)

- Mo-Cu +/- Pb highs located in the Porphyry area of known mineralization
- Weak increase in other elements
- EM high

Anomaly B (Porphyry West – Rusk Creek Fault)

- Cu, Au, and Ag highs, weak increase in Mo
- EM high

Anomaly C (Slate Creek)

- Au high, weak Cu and Pb high
- Weak magnetic high,
- Strong first derivative magnetic high
- Not associated with previously identified major structures

Anomaly D (Tit Mountain)

- Au, Ag, and Pb highs, weak to moderate Mo and Zn highs
- Magnetic high, moderate first derivative magnetic high
- Previously worked

Anomaly E

- Ag, Au, Cu, Mo, Pb, Zn highs
- First derivative magnetic high
- Not associated with known structures
- Associated with known Qtz-Feldspar intrusions
- Previously worked

Anomaly F

- Weak magnetic high
- Weak uranium and potassium high
- Qtz-Feldspar intrusion
- Known mineralization (Rusk Creek and J Bill showings)

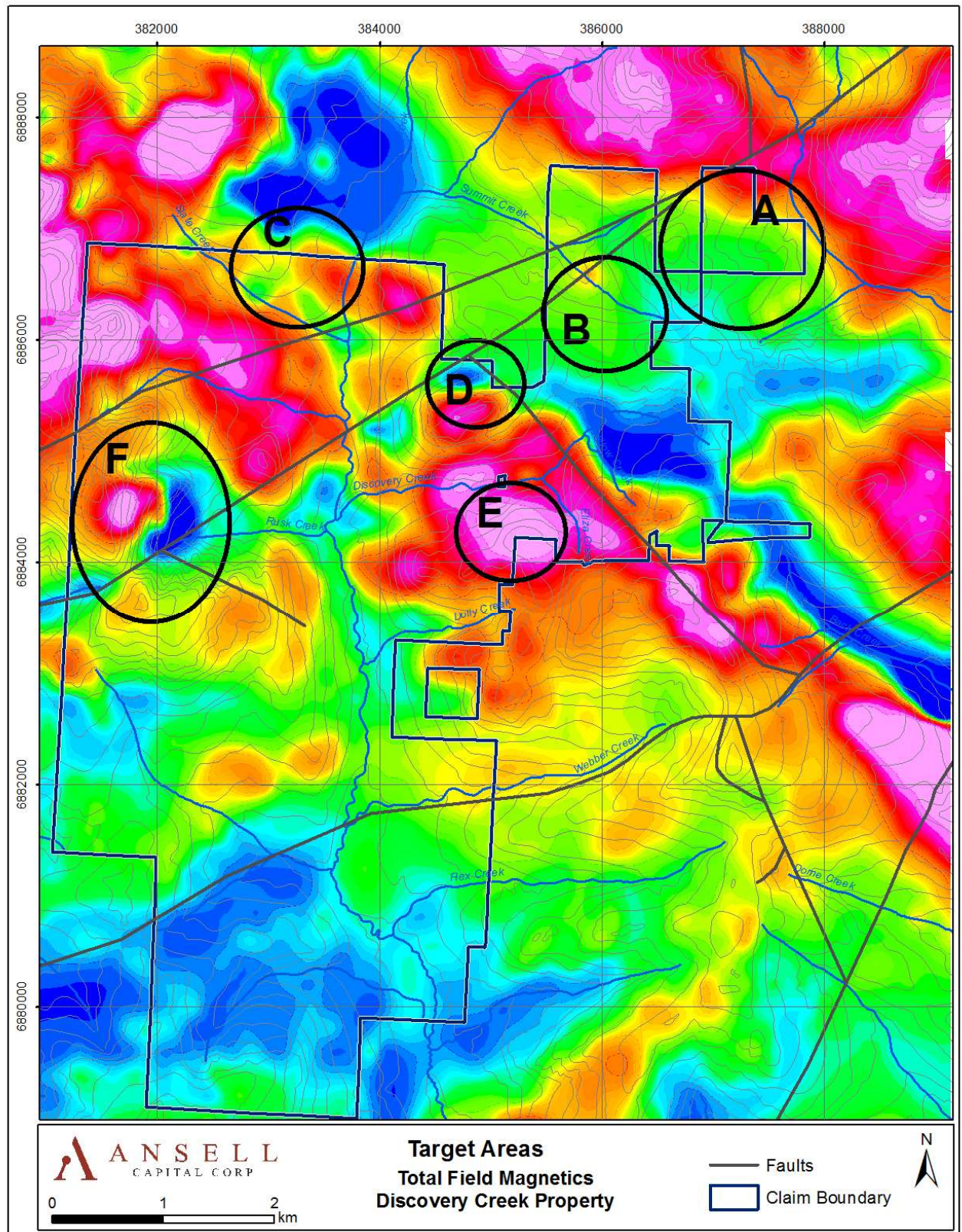


Figure 17: Total magnetic field overlain by new target areas

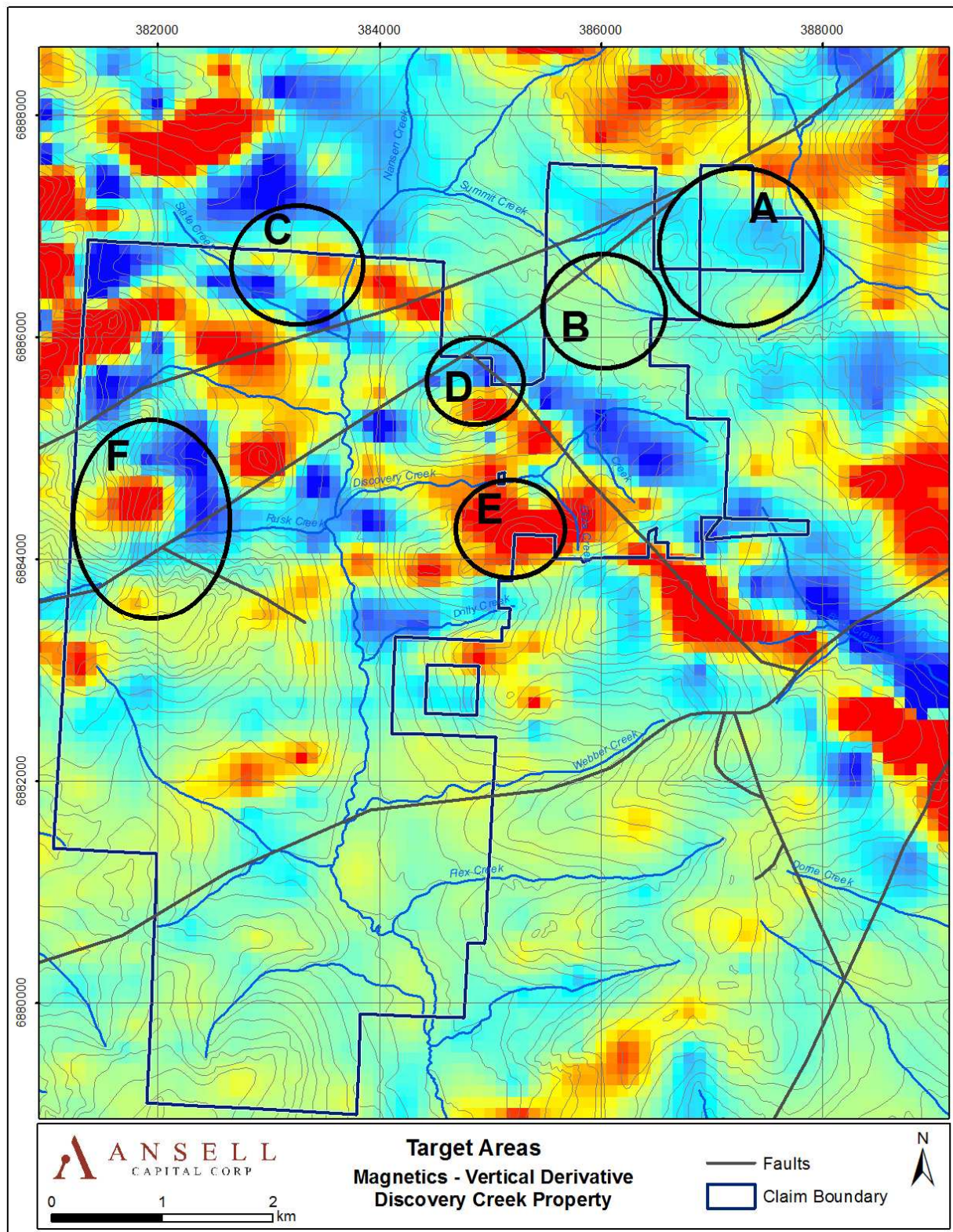


Figure 18: Vertical derivative overlain by new target areas

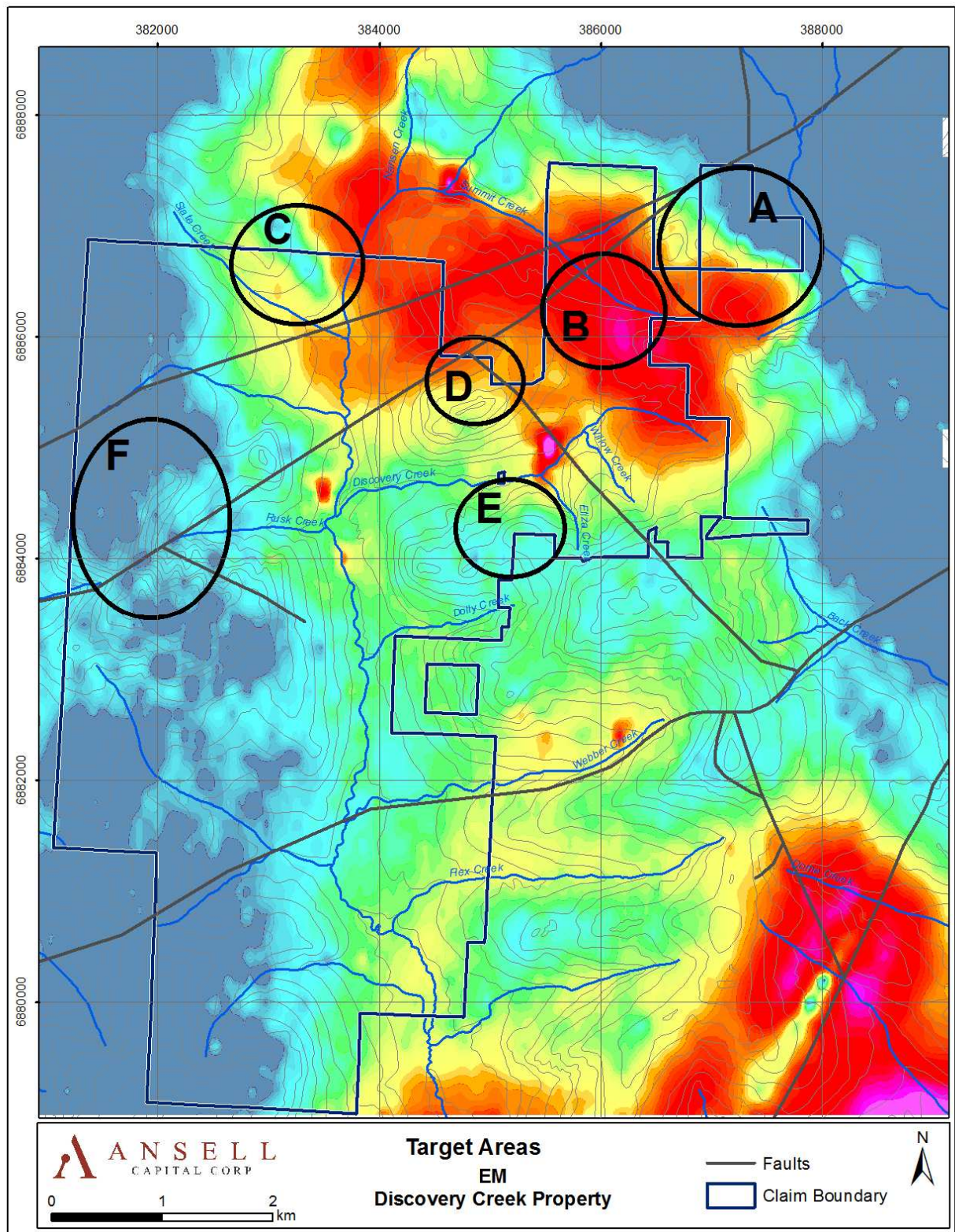


Figure 19: Electromagnetics overlain by new target areas

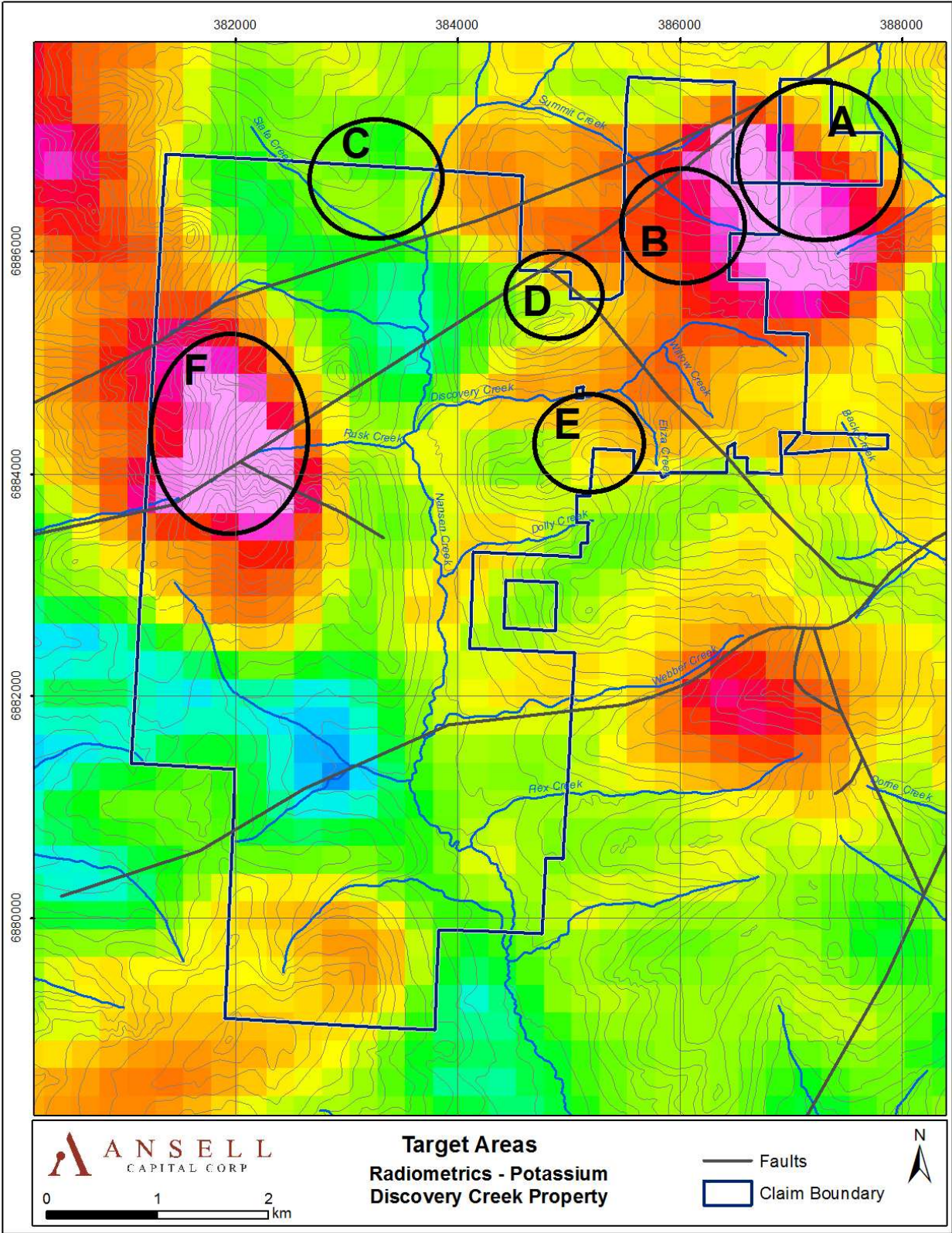


Figure 20: Potassium overlain by new target areas

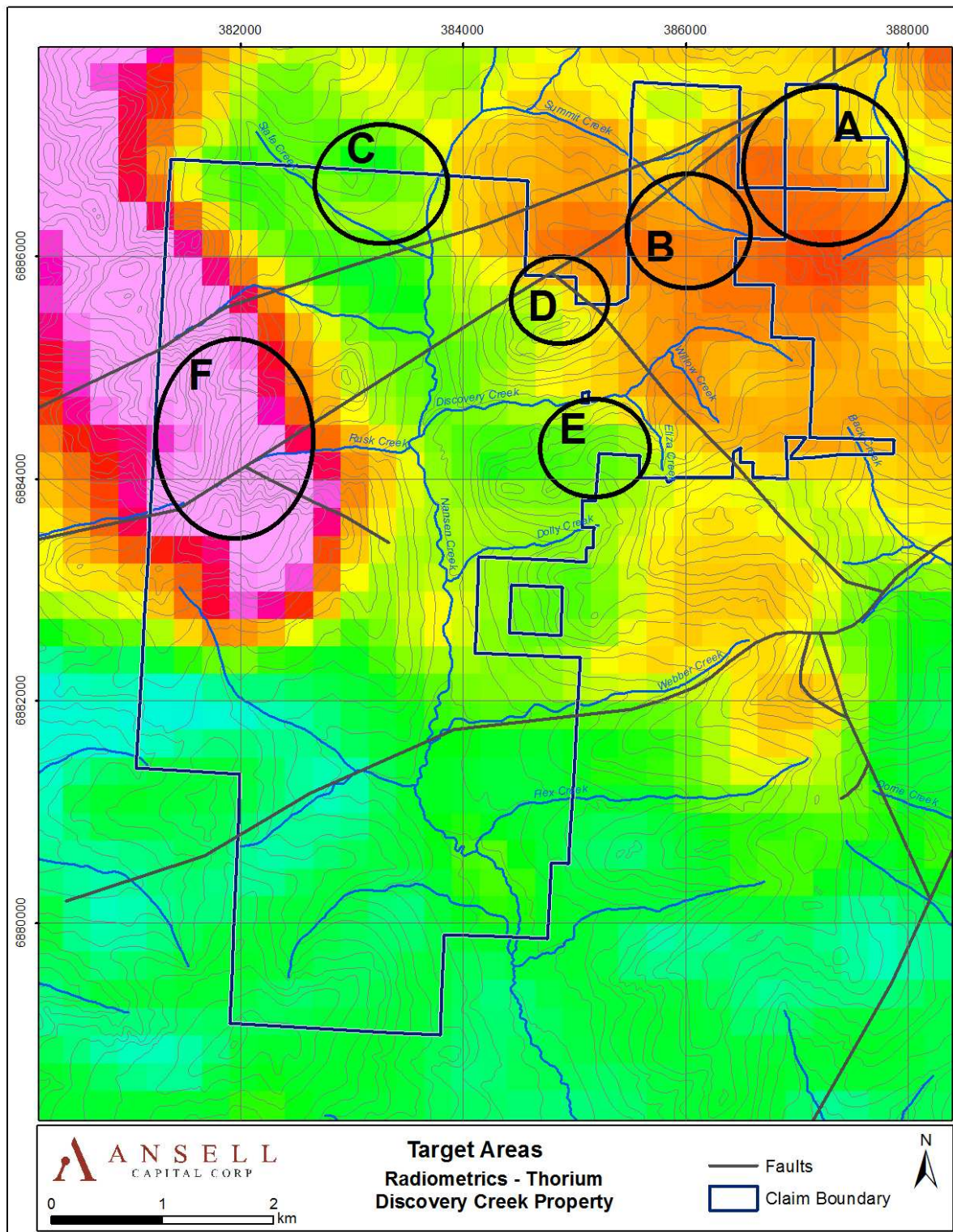


Figure 21: Thorium overlain by new target areas

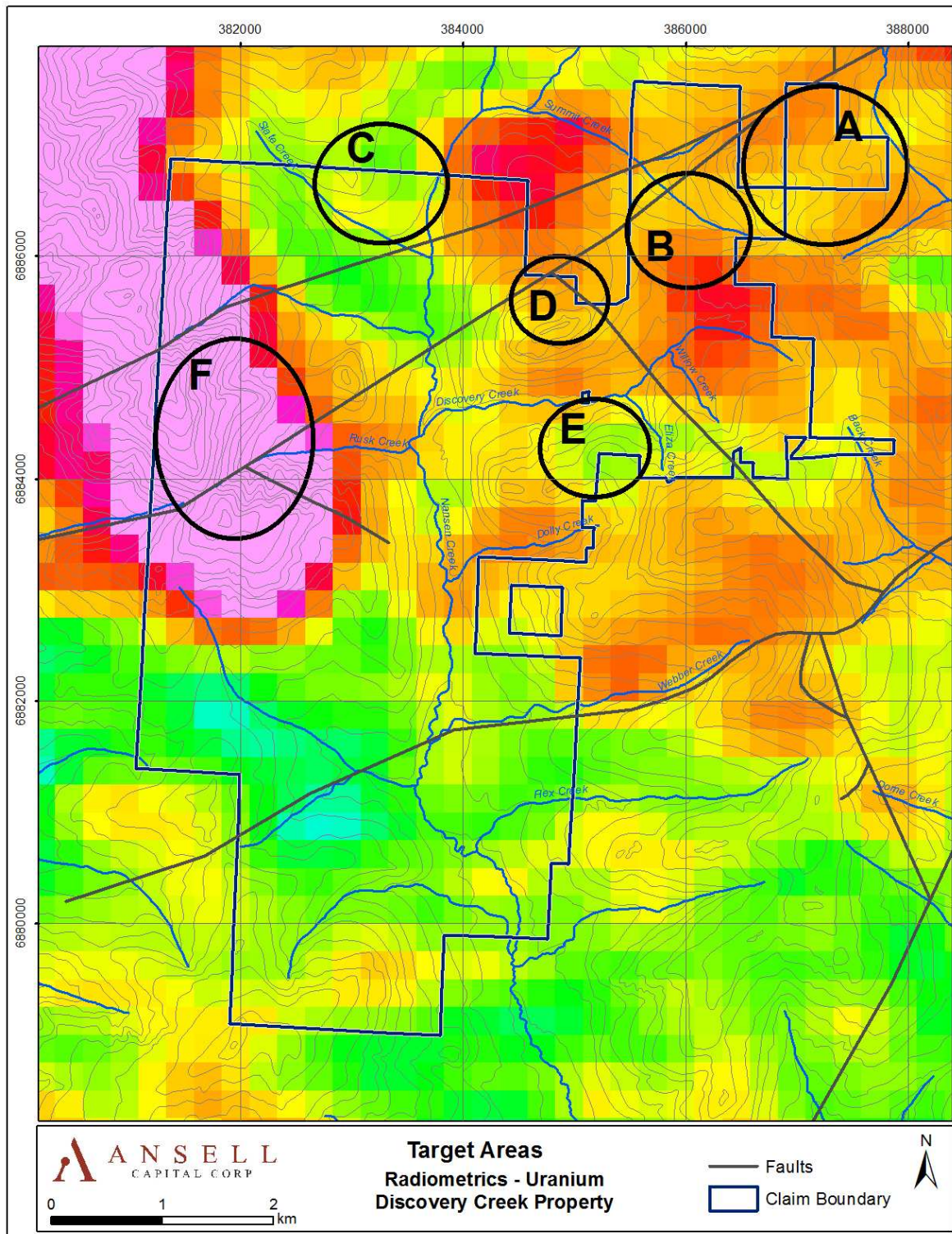


Figure 22: Uranium overlain by new target areas

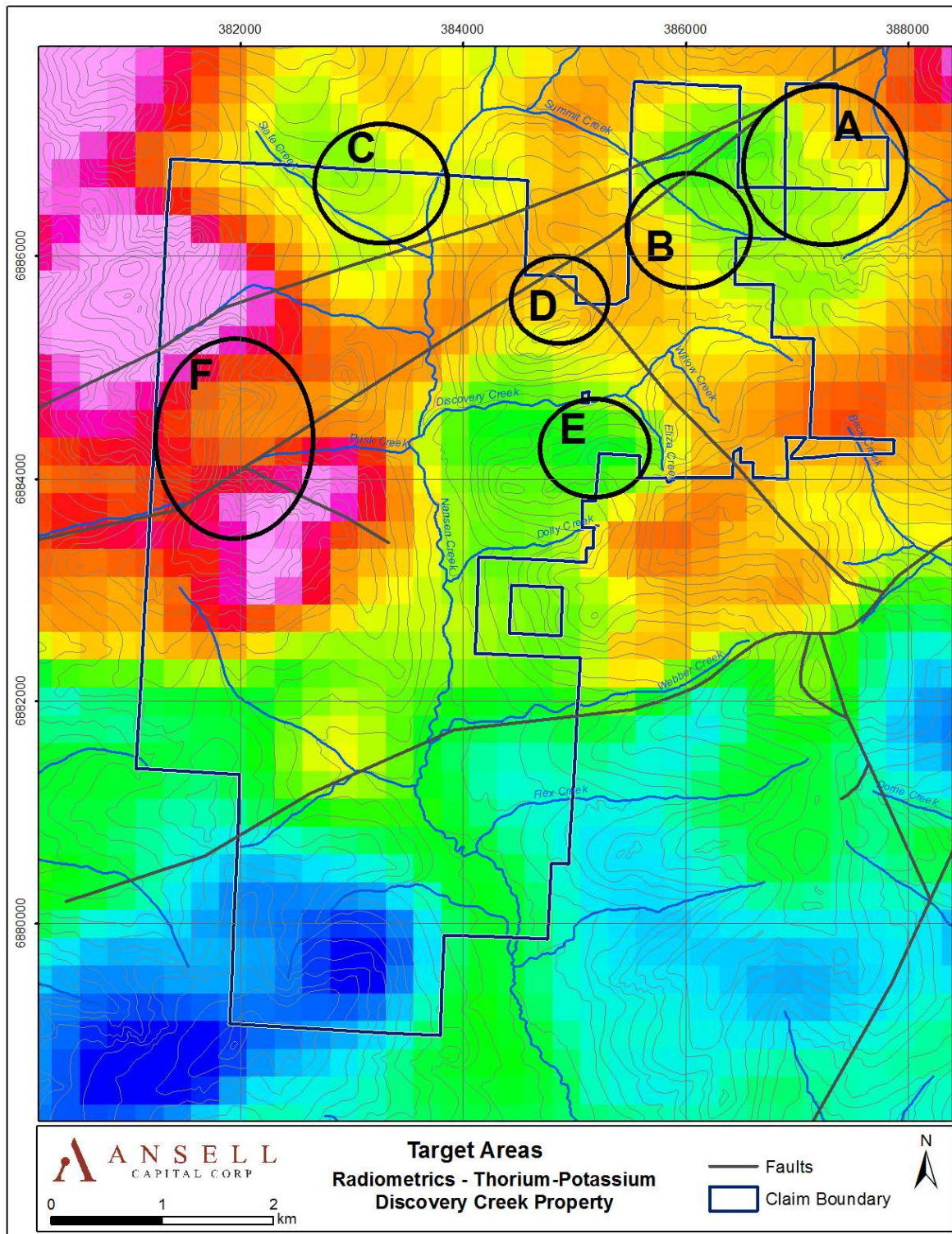


Figure 23: Thorium-Potassium overlay by new target areas

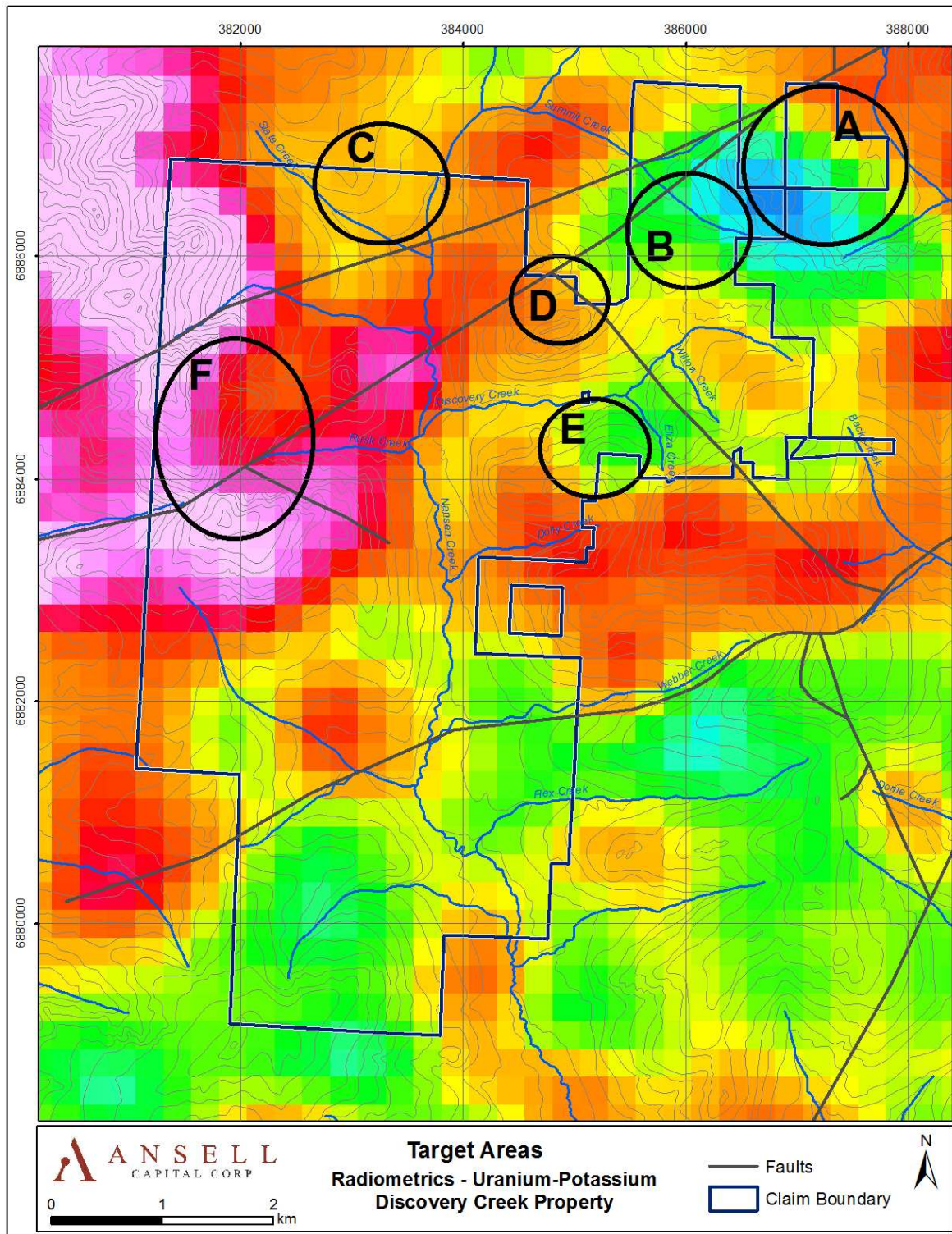


Figure 24: Uranium-Potassium overlain by new target areas

Recommendations

Diamond and reverse circulation drilling as well as trenching and geochemical surveys previously done on the property need to be compiled and digitized into a GIS database prior to conducting any more groundwork. Preliminary reviews of past work indicate excellent results, many of which should be followed up.

The following recommendations are based on current knowledge of work and may change pending further historical data compilation. It is recommended that a more comprehensive soil survey be conducted over the areas of the magnetic and radiometric highs as the 2003 program consisted only of a small cluster of samples and not an extensive soil grid.

The northern half of the property should be examined by additional geologic, whole rock geochemical, thin section, and ground IP geophysical surveys to determine whether a suitable porphyry copper-gold and/or gold-silver vein targets exist. Geological mapping should continue in the Willow and Eliza Creek areas and extend to the western side of Nansen Creek to the J. Bill, Rusk and Slate Creek showings. Geochemical soil sampling should be completed on the western side of Nansen Creek south to the confluence of Nansen and Flex Creeks. If suitable targets are located from these surveys, then a minimum of 2000 metres of trenching and a minimum of 2500 metres of drilling is recommended to test the occurrences.

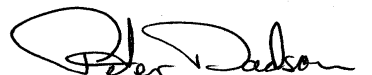
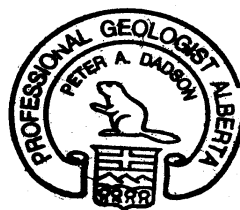
Expenditures

The claimed expenditures on the Discovery Creek Property during the 2011 field season are \$227,980.05, derived from monies spent on reconnaissance geological mapping, geochemical soil and hard rock sampling, and GIS data compilation. The breakdown of the statement of costs can be found in Tables AI-1, AI -2, AI -3 and AI -4 in Appendix I, subdivided by program and claim.

Respectfully submitted,



Nicola Struyk B.Sc



Peter Dadson B.Sc, P.Geol.

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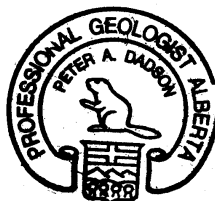
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Certificates of Authors

I, Peter Dadson, of 52 Hirtle's Beach Road, Kingsburg, Nova Scotia, hereby certify that:

1. I am a graduate of Carleton University, Ottawa (1974) with a Bachelor of Science degree in geology.
2. I am a self-employed geologist retained by Coast Mountain Geological Ltd. of 620-650 West Georgia Street, Vancouver, British Columbia.
3. I have been working in the profession since 1974 in Canada, the United States of America, Albania and West Africa.
4. I am a member in good standing in the following professional associations:
 - a) Association of Professional Engineers and Geoscientists of Alberta (Member No. M63980)
 - b) Society of Economic Geologists
 - c) Society for Geology Applied to Mineral Deposits
5. I have read the definitions of "Qualified Person" set out in NI 43-101 and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfil the requirements to be a "Qualified Person for the purposes of NI 43-101.
6. I am the co-author for the preparation of the report titled "Summary Report on the 2011 Reconnaissance Mapping and Soil Geochemistry Program, Discovery Creek Property" dated December 15, 2011 utilizing my experience as project manager of the 2011 exploration program.
7. I was on-site numerous times during the program including the final demob of the camp site.
8. To the best of my knowledge, information and belief, this report contains all the scientific and technical information that is required to be disclosed to make this report not misleading.
9. I have had no direct involvement with Ansell Capital Corp. other than in the role of consultant through Coast Mountain Geological Limited.



Peter Dadson, B.Sc., P.Geol.

Dated in Vancouver, BC, this 15th day of December, 2011

Assessment Report on the Discovery Creek Property

Nicola M. Struyk
Exploration Geologist
Coast Mountain Geological Limited
620-650 West Georgia Street, Vancouver, BC, V6B 4N9
Ph (604) 681-0209
Email: nstruyk@coastmountaingeo.com

I, Nicola M. Struyk, B.Sc., of Vancouver, BC do hereby certify that:

1. I graduated with a B.Sc. (Honours) degree in Earth and Ocean Sciences and Geography from the University of Victoria in 2005.
2. I have practiced my profession for 6 years. This experience includes primarily precious and base metal exploration in Yukon Territory, British Columbia, Alaska and Sweden.
3. I am the junior author and am, in part, responsible for the preparation of the technical report titled "Assessment Report on the Discovery Creek Property, Whitehorse Mining District, Yukon Territory", and dated December 15, 2011 (the "Assessment Report") relating to the Discovery Creek property. I was the onsite Project Manager for the duration of the project from May to August 2011.
4. I am currently under the employ of Coast Mountain Geological Ltd.

Dated at Vancouver, BC

Respectfully submitted,



Nicola M. Struyk, B.Sc.

Assessment Report on the Discovery Creek Property

Appendix I

Statement of Costs

LIST OF EXPENDITURES*		
Categories	Cost	Totals
Mobilization/Demobilization		\$14,554.85
Personnel	\$910.00	
Container Mob	\$528.75	
Vehicle Rental	\$119.00	
Supplies for Mob/Demob	\$8,064.25	
Travel	\$4,289.19	
Accommodation	\$643.66	
Vehicles and Expenses		\$11,400.00
CMG Truck Rental	\$3,600.00	
Emergency Transport Vehicle	\$4,200.00	
Flat Bed trailer	\$1,200.00	
ATV rental	\$2,400.00	
Camp Operations		\$105,682.20
Camp Running costs (includes cook)	\$26,208.00	
Food	\$8,338.25	
Fuel	\$18,000.85	
Container rental	\$500.00	
Expediter	\$5,391.75	
Supplies	\$17,243.35	
Communication	\$300.00	
Field Gear rental	\$29,700.00	
Geology		\$78,823.00
Personnel	\$66,100.00	
Soil Geochemical Assays	\$11,029.00	
Hard Rock Assays	\$1,694.00	
Office Studies		\$17,520.00
Assessment Report	\$11,400.00	
Data compilation and digitizing	\$6,120.00	
PROJECT TOTAL		\$227,980.05
*Note that the demob of the supplies were covered by Great Bear Resources, to which all gear and supplies were transferred upon the completion of the Discovery Creek (DC)/Charlotte projects		

Table AI-1: List of expenditures

Assessment Report on the Discovery Creek Property

Claim name	Grant number	Number of soil samples	Number used for assessment purposes	Assay costs	Total	Comment
BIT 1	YA97733	4	4	\$20.50	\$82.00	
BIT 2	YA97734	30	30	\$20.50	\$615.00	
BIT 3	YA97735	3	3	\$20.50	\$61.50	One sample is located both on RAS 4 and BIT 3 claims
BIT 4	YA97736	28	18	\$20.50	\$369.00	9 samples are located on both HAZELANNE and BIT 4 claims; 8 samples are located on both SUNSET and BIT 4 claims
BIT 5	YA97737	23	9	\$20.50	\$184.50	13 samples are located on both SUNSET and BIT 5 claims; 1 sample is located on both RAS 2 and BIT 5 claims
BULL 13	YA86292	2	2	\$20.50	\$41.00	
BULL 15	YA86294	20	20	\$20.50	\$410.00	
COURTLAND	55836	6	6	\$20.50	\$123.00	6 samples are located on both COURTLAND and WEDGE 6 claims
HAZELANNE	4210	27	27	\$20.50	\$553.50	9 samples are located on both HAZELANNE and BIT 4 claims
IDA MAY	39192	3	3	\$20.50	\$61.50	3 samples are located on both IDA MAY and WEDGE 7
JBF 2	YB36954	1	1	\$20.50	\$20.50	
JBF 3	YB36955	12	12	\$20.50	\$246.00	
JCS 1	YC25916	10	10	\$20.50	\$205.00	
JCS 2	YC25917	9	9	\$20.50	\$184.50	
JCS 4	YC25919	16	16	\$20.50	\$328.00	
JLZ 1	YB36258	3	3	\$20.50	\$61.50	
MYRTLE	55602	26	13	\$20.50	\$266.50	13 samples are located on both WEDGE 6 and MYRTLE claims; 13 samples are located on both WEDGE 9 and MYRTLE claims
NICOLA 0	YE63027	1	1	\$20.50	\$20.50	
NICOLA 1	YE63028	1	1	\$20.50	\$20.50	
NICOLA 2	YE63029	1	1	\$20.50	\$20.50	
NICOLA 3	YE63030	1	1	\$20.50	\$20.50	
NICOLA 4	YE63031	2	2	\$20.50	\$41.00	
NICOLA 5	YE63039	14	14	\$20.50	\$287.00	
RAS 2	YA93139	1	1	\$20.50	\$20.50	1 sample is located on both RAS 2 and BIT 5 claims
RAS 4	YA93141	4	3	\$20.50	\$61.50	One sample is located both on RAS 4 and BIT 3 claims

Table AI-2: Soil Samples by claim

Assessment Report on the Discovery Creek Property

Claim name	Grant number	Number of soil samples	Number used for assessment purposes	Assay costs	Total	Comment
SUNSET	4243	22	22	\$20.50	\$451.00	13 samples are located on both SUNSET and BIT 5 claims; 8 samples are located on both SUNSET and BIT 4 claims
WEDGE 1	YA82167	58	58	\$20.50	\$1,189.00	
WEDGE 11	YA82177	1	1	\$20.50	\$20.50	
WEDGE 16	YA93843	6	6	\$20.50	\$123.00	
WEDGE 17	YA93844	15	15	\$20.50	\$307.50	
WEDGE 2	YA82168	46	46	\$20.50	\$943.00	
WEDGE 3	YA82169	46	46	\$20.50	\$943.00	
WEDGE 5	YA82171	36	36	\$20.50	\$738.00	
WEDGE 4	YA82170	54	54	\$20.50	\$1,107.00	
WEDGE 6	YA82172	35	16	\$20.50	\$328.00	13 samples are located on both WEDGE 6 and MYRTLE claims; 6 samples are located on both COURTLAND and WEDGE 6 claims
WEDGE 7	YA82173	16	13	\$20.50	\$266.50	3 samples are located on both IDA MAY and WEDGE 7
WEDGE 9	YA82175	15	15	\$20.50	\$307.50	13 samples are located on both WEDGE 9 and MYRTLE claims

Table AI-2: Soil Samples by claim (continued)

Assessment Report on the Discovery Creek Property

Claim name	Grant number	Number of samples	Number used for assessment purposes	Assay costs	Total	Comment
BIT 5	YA97737	4	2	\$38.50	\$77.00	4 samples are located on both BIT 5 and RAS 2 claims; 2 samples are located on both SUNSET and BIT 5 claims
BULL 4	YA81423	9	9	\$38.50	\$346.50	
BULL 6	YA81425	1	1	\$38.50	\$38.50	
MACK	39134	1	1	\$38.50	\$38.50	1 sample is located on both WEDGE 15 and MACK 1, 1 sample is located on both MACK 1 and MSL
MSL	YA95099	4	1	\$38.50	\$38.50	4 samples are located on both WEDGE 15 and MSL
RAS 1	YA93138	14	14	\$38.50	\$539.00	
RAS 2	YA93139	2	1	\$38.50	\$38.50	4 samples are located on both BIT 5 and RAS 2 claims
SUNSET	4243	2	1	\$38.50	\$38.50	2 samples are located on both SUNSET and BIT 5 claims
WEDGE 10	YA82176	8	8	\$38.50	\$308.00	
WEDGE 15	YA82181	4	2	\$38.50	\$77.00	4 samples are located on both WEDGE 15 and MSL

Table AI- 3: Geological mapping costs by claim

Assessment Report on the Discovery Creek Property

Claim Name	Grant Number	Lease Number	2011 Recon Work	2011 Soil Sampling	Indirect costs (personnel, camp operations, etc)	TOTAL
GROUP 1						
BIT 1	YA97733	NM00509		\$82.00	\$1,132.93	\$1,214.93
BIT 2	YA97734	3222		\$615.00	\$1,132.93	\$1,747.93
BIT 3	YA97735	OW00009		\$61.50	\$1,132.93	\$1,194.43
BIT 4	YA97736	XM00124		\$369.00	\$1,132.93	\$1,501.93
BIT 5	YA97737	OW00217	\$77.00	\$184.50	\$1,132.93	\$1,394.43
BULL 1	YA81420	OW00058			\$1,132.93	\$1,132.93
BULL 10	YA86289	OW00146			\$1,132.93	\$1,132.93
BULL 11	YA86290	4098			\$1,132.93	\$1,132.93
BULL 12	YA86291	OL00187			\$1,132.93	\$1,132.93
BULL 13	YA86292	NM00397		\$41.00	\$1,132.93	\$1,173.93
BULL 14	YA86293	NM00037			\$1,132.93	\$1,132.93
BULL 16	YA86295	OW00177			\$1,132.93	\$1,132.93
BULL 17	YA86296	OL00230			\$1,132.93	\$1,132.93
BULL 18	YA86297	OW00212			\$1,132.93	\$1,132.93
BULL 19	YA86298	OW00154			\$1,132.93	\$1,132.93
BULL 2	YA81421	OW00016			\$1,132.93	\$1,132.93
BULL 20	YA86299	OW00243			\$1,132.93	\$1,132.93
BULL 21	YA86300	OW00247			\$1,132.93	\$1,132.93
BULL 22	YA86301	NM00006			\$1,132.93	\$1,132.93
BULL 23	YA86302	OW00014			\$1,132.93	\$1,132.93
BULL 24	YA86303	OW00251			\$1,132.93	\$1,132.93
BULL 25	YA86304	2177			\$1,132.93	\$1,132.93
BULL 26	YA86305	OW00148			\$1,132.93	\$1,132.93
BULL 27	YA86306	OW00146			\$1,132.93	\$1,132.93
BULL 28	YA86307	OW00162			\$1,132.93	\$1,132.93
BULL 3	YA81422	OW00160			\$1,132.93	\$1,132.93
BULL 4	YA81423	OW00125	\$346.50		\$1,132.93	\$1,479.43
BULL 5	YA81424	OW00093			\$1,132.93	\$1,132.93
BULL 6	YA81425	NM00470	\$38.50		\$1,132.93	\$1,171.43
BULL 7	YA81426	OL00055			\$1,132.93	\$1,132.93
BULL 8	YA81427	OW00075			\$1,132.93	\$1,132.93
BULL 9	YA86288	3509			\$1,132.93	\$1,132.93
COURTLAND	55836	OW00043		\$123.00	\$1,132.93	\$1,255.93
D 1	YB57373	OW00213			\$1,132.93	\$1,132.93
D 2	YB57374	OL00216			\$1,132.93	\$1,132.93
D 3	YB57375	3509			\$1,132.93	\$1,132.93
D 4	YB57376	OW00210			\$1,132.93	\$1,132.93

Table AI- 4: Detailed breakdown of costs associated with each claim

Assessment Report on the Discovery Creek Property

Claim Name	Grant Number	Lease Number	2011 Recon Work	2011 Soil Sampling	Indirect costs (personnel, camp operations, etc)	TOTAL
GROUP 1 (continued)						
HAZEL ANNE	4210	OW00038		\$553.50	\$1,132.93	\$1,686.43
IDA MAY	39192	OW00041		\$61.50	\$1,132.93	\$1,194.43
J. BILL # 1	YA78049	NM00397			\$1,132.93	\$1,132.93
J. BILL # 10	YA78058	OW00044			\$1,132.93	\$1,132.93
J. BILL # 11	YA78059	OW00125			\$1,132.93	\$1,132.93
J. BILL # 12	YA78060	3430			\$1,132.93	\$1,132.93
J. BILL # 13	YA78061	OL00122			\$1,132.93	\$1,132.93
J. BILL # 14	YA78062	3430			\$1,132.93	\$1,132.93
J. BILL # 15	YA78063	OW00153			\$1,132.93	\$1,132.93
J. BILL # 16	YA78064	OW00154			\$1,132.93	\$1,132.93
J. BILL # 17	YA78065	OL00216			\$1,132.93	\$1,132.93
J. BILL # 18	YA78066	OW00110			\$1,132.93	\$1,132.93
J. BILL # 19	YA78067	OL00212			\$1,132.93	\$1,132.93
J. BILL # 2	YA78050	2131			\$1,132.93	\$1,132.93
J. BILL # 20	YA78068	OW00155			\$1,132.93	\$1,132.93
J. BILL # 21	YA78069	3452			\$1,132.93	\$1,132.93
J. BILL # 22	YA78070	OW00044			\$1,132.93	\$1,132.93
J. BILL # 23	YA78071	NM00397			\$1,132.93	\$1,132.93
J. BILL # 24	YA78072	OW00026			\$1,132.93	\$1,132.93
J. BILL # 25	YA78073	3222			\$1,132.93	\$1,132.93
J. BILL # 26	YA78074	XM00486			\$1,132.93	\$1,132.93
J. BILL # 27	YA78075	3432			\$1,132.93	\$1,132.93
J. BILL # 28	YA78076	3499			\$1,132.93	\$1,132.93
J. BILL # 29	YA78077	NM00587			\$1,132.93	\$1,132.93
J. BILL # 3	YA78051	4254			\$1,132.93	\$1,132.93
J. BILL # 30	YA78078	XM00313			\$1,132.93	\$1,132.93
J. BILL # 31	YA78079				\$1,132.93	\$1,132.93
J. BILL # 32	YA78080	3433			\$1,132.93	\$1,132.93
J. BILL # 4	YA78052	3535			\$1,132.93	\$1,132.93
J. BILL # 5	YA78053	OW00160			\$1,132.93	\$1,132.93
J. BILL # 6	YA78054	OW00172			\$1,132.93	\$1,132.93
J. BILL # 7	YA78055	OW00220			\$1,132.93	\$1,132.93
J. BILL # 8	YA78056	OL00055			\$1,132.93	\$1,132.93
J. BILL # 9	YA78057	OW00155			\$1,132.93	\$1,132.93
JBF 1	YB36259	OL00216			\$1,132.93	\$1,132.93
JBF 10	YB54543	OL00071			\$1,132.93	\$1,132.93
JBF 2	YB36954	OW00247		\$20.50	\$1,132.93	\$1,153.43

Table AI- 4: Detailed breakdown of costs associated with each claim (continued)

Assessment Report on the Discovery Creek Property

Claim Name	Grant Number	Lease Number	2011 Recon Work	2011 Soil Sampling	Indirect costs (personnel, camp operations, etc)	TOTAL
GROUP 1 (continued)						
JBF 4	YB36956	OW00022			\$1,132.93	\$1,132.93
JBF 5	YB36957	2124			\$1,132.93	\$1,132.93
JBF 6	YB36958	OW00007			\$1,132.93	\$1,132.93
JBF 7	YB36959	OW00247			\$1,132.93	\$1,132.93
JCS 4	YC25919	OW00079		\$328.00	\$1,132.93	\$1,460.93
JLZ 1	YB36258	2124		\$61.50	\$1,132.93	\$1,194.43
JON-WEDGE 1	YB35895	OW00242			\$1,132.93	\$1,132.93
JON-WEDGE 2	YB35896	2124			\$1,132.93	\$1,132.93
JON-WEDGE 3	YB35897	OW00221			\$1,132.93	\$1,132.93
JON-WEDGE 4	YB35898	XM00313			\$1,132.93	\$1,132.93
JON-WEDGE 5	YB35899	3509			\$1,132.93	\$1,132.93
JON-WEDGE 6	YB35900	OW00071			\$1,132.93	\$1,132.93
LGCS 1	YA95014	OW00038			\$1,132.93	\$1,132.93
LGCS 3	YA95016	OW00129			\$1,132.93	\$1,132.93
MACK	39134	OW00040	\$38.50		\$1,132.93	\$1,171.43
MSL	YA95099	OW00211	\$38.50		\$1,132.93	\$1,171.43
MYRTLE	55602	OW00042		\$266.50	\$1,132.93	\$1,399.43
OX 1	YA86386	3222			\$1,132.93	\$1,132.93
OX 10	YA86395	4081			\$1,132.93	\$1,132.93
OX 11	YA86396	NM00509			\$1,132.93	\$1,132.93
OX 12	YA86397	OW00143			\$1,132.93	\$1,132.93
OX 13	YA86398	NM00470			\$1,132.93	\$1,132.93
OX 14	YA86399	OL00187			\$1,132.93	\$1,132.93
OX 15	YA86400	OW00044			\$1,132.93	\$1,132.93
OX 16	YA86401	OW00148			\$1,132.93	\$1,132.93
OX 17	YA86402	OW00103			\$1,132.93	\$1,132.93
OX 18	YA86403				\$1,132.93	\$1,132.93
OX 19	YA86404	NM00509			\$1,132.93	\$1,132.93
OX 2	YA86387	3509			\$1,132.93	\$1,132.93
OX 20	YA86405	OW00212			\$1,132.93	\$1,132.93
OX 3	YA86388	OW00248			\$1,132.93	\$1,132.93
OX 4	YA86389	OW00162			\$1,132.93	\$1,132.93
OX 5	YA86390	NM00470			\$1,132.93	\$1,132.93
OX 6	YA86391	OW00065			\$1,132.93	\$1,132.93
OX 7	YA86392	OW00056			\$1,132.93	\$1,132.93
OX 8	YA86393	OW00247			\$1,132.93	\$1,132.93
OX 9	YA86394	OW00016			\$1,132.93	\$1,132.93

Table AI- 4: Detailed breakdown of costs associated with each claim (continued)

Assessment Report on the Discovery Creek Property

Claim Name	Grant Number	Lease Number	2011 Recon Work	2011 Soil Sampling	Indirect costs (personnel, camp operations, etc)	TOTAL
GROUP 1 (continued)						
RAS 1	YA93138	OW00016	\$539.00		\$1,132.93	\$1,671.93
RAS 2	YA93139	OW00016	\$38.50	\$20.50	\$1,132.93	\$1,191.93
RAS 3	YA93140	OW00163			\$1,132.93	\$1,132.93
RAS 4	YA93141	OW00022		\$61.50	\$1,132.93	\$1,194.43
RAT 1	YA81428	NM00276			\$1,132.93	\$1,132.93
RAT 10	YA81437	2124			\$1,132.93	\$1,132.93
RAT 11	YA81438	OW00007			\$1,132.93	\$1,132.93
RAT 12	YA81439	OW00250			\$1,132.93	\$1,132.93
RAT 13	YA81440	3225			\$1,132.93	\$1,132.93
RAT 14	YA81441	3432			\$1,132.93	\$1,132.93
RAT 15	YA81442	OW00079			\$1,132.93	\$1,132.93
RAT 16	YA81443	OW00197			\$1,132.93	\$1,132.93
RAT 17	YA81444	3433			\$1,132.93	\$1,132.93
RAT 18	YA81445	OW00026			\$1,132.93	\$1,132.93
RAT 19	YA81446	OW00160			\$1,132.93	\$1,132.93
RAT 2	YA81429	OW00018			\$1,132.93	\$1,132.93
RAT 20	YA81447	2131			\$1,132.93	\$1,132.93
RAT 21	YA81448	4081			\$1,132.93	\$1,132.93
RAT 22	YA81449	OL00230			\$1,132.93	\$1,132.93
RAT 23	YA81450	OW00195			\$1,132.93	\$1,132.93
RAT 24	YA81451	2177			\$1,132.93	\$1,132.93
RAT 25	YA81452	OW00035			\$1,132.93	\$1,132.93
RAT 26	YA81453	4076			\$1,132.93	\$1,132.93
RAT 27	YA81454	3529			\$1,132.93	\$1,132.93
RAT 28	YA81455	OW00136			\$1,132.93	\$1,132.93
RAT 29	YA81456	OW00093			\$1,132.93	\$1,132.93
RAT 3	YA81430	OW00093			\$1,132.93	\$1,132.93
RAT 30	YA81457	OW00024			\$1,132.93	\$1,132.93
RAT 31	YA81458	OW00214			\$1,132.93	\$1,132.93
RAT 32	YA81459	OW00016			\$1,132.93	\$1,132.93
RAT 33	YA81460	2177			\$1,132.93	\$1,132.93
RAT 34	YA81461	OW00016			\$1,132.93	\$1,132.93
RAT 35	YA81462	OW00110			\$1,132.93	\$1,132.93
RAT 36	YA81463	OW00229			\$1,132.93	\$1,132.93
RAT 37	YA81464	OW00247			\$1,132.93	\$1,132.93
RAT 38	YA81465	OW00174			\$1,132.93	\$1,132.93

Table AI- 4: Detailed breakdown of costs associated with each claim (continued)

Assessment Report on the Discovery Creek Property

Claim Name	Grant Number	Lease Number	2011 Recon Work	2011 Soil Sampling	Indirect costs (personnel, camp operations, etc)	TOTAL
GROUP 1 (continued)						
RAT 39	YA81466	OW00157			\$1,132.93	\$1,132.93
RAT 4	YA81431	OW00259			\$1,132.93	\$1,132.93
RAT 40	YA81467	OL00187			\$1,132.93	\$1,132.93
RAT 5	YA81432	2177			\$1,132.93	\$1,132.93
RAT 6	YA81433	3430			\$1,132.93	\$1,132.93
RAT 7	YA81434	XM00486			\$1,132.93	\$1,132.93
RAT 8	YA81435	OW00176			\$1,132.93	\$1,132.93
RAT 9	YA81436	OW00201			\$1,132.93	\$1,132.93
RICCO	4209	OW00037			\$1,132.93	\$1,132.93
SUNSET	4243	OW00039	\$38.50	\$451.00	\$1,132.93	\$1,622.43
WEDGE 1	YA82167	NM00037		\$1,189.00	\$1,132.93	\$2,321.93
WEDGE 10	YA82176	OW00164	\$308.00		\$1,132.93	\$1,440.93
WEDGE 11	YA82177	XM00233		\$20.50	\$1,132.93	\$1,153.43
WEDGE 12	YA82178	3424			\$1,132.93	\$1,132.93
WEDGE 13	YA82179	OW00248			\$1,132.93	\$1,132.93
WEDGE 14	YA82180	OW00248			\$1,132.93	\$1,132.93
WEDGE 15	YA82181	OW00005	\$77.00		\$1,132.93	\$1,209.93
WEDGE 16	YA93843	NM00397		\$123.00	\$1,132.93	\$1,255.93
WEDGE 17	YA93844	OW00157		\$307.50	\$1,132.93	\$1,440.43
WEDGE 2	YA82168	3529		\$943.00	\$1,132.93	\$2,075.93
WEDGE 3	YA82169	OW00101		\$943.00	\$1,132.93	\$2,075.93
WEDGE 4	YA82170	OW00088		\$1,107.00	\$1,132.93	\$2,239.93
WEDGE 5	YA82171	OL00057		\$738.00	\$1,132.93	\$1,870.93
WEDGE 6	YA82172	4245		\$328.00	\$1,132.93	\$1,460.93
WEDGE 7	YA82173	OW00212		\$266.50	\$1,132.93	\$1,399.43
WEDGE 8	YA82174	OW00093			\$1,132.93	\$1,132.93
WEDGE 9	YA82175	OW00208		\$307.50	\$1,132.93	\$1,440.43
NICOLA 0	YE63027	ND00006		\$20.50	\$1,132.93	\$1,153.43
NICOLA 1	YE63028	NM00470		\$20.50	\$1,132.93	\$1,153.43
NICOLA 10	YE63037	NM00397			\$1,132.93	\$1,132.93
NICOLA 11	YE63041	XM00442			\$1,132.93	\$1,132.93
NICOLA 2	YE63029	ND00006		\$20.50	\$1,132.93	\$1,153.43
NICOLA 3	YE63030	ND00006		\$20.50	\$1,132.93	\$1,153.43

Table AI- 4: Detailed breakdown of costs associated with each claim (continued)

Assessment Report on the Discovery Creek Property

Claim Name	Grant Number	Lease Number	2011 Recon Work	2011 Soil Sampling	Indirect costs (personnel, camp operations, etc)	TOTAL
GROUP 1 (continued)						
NICOLA 4	YE63031	ND00006		\$41.00	\$1,132.93	\$1,173.93
NICOLA 5	YE63039	ND00006		\$287.00	\$1,132.93	\$1,419.93
NICOLA 6	YE63040	XM00311			\$1,132.93	\$1,132.93
NICOLA 8	YE63038	NM00470			\$1,132.93	\$1,132.93
NICOLA 9	YE63036	ND00006			\$1,132.93	\$1,132.93
GROUP 2						
BULL 15	YA86294	OW00014		\$410.00	\$1,132.93	\$1,542.93
GROUP 3						
JCS 1	YC25916	OW00079		\$205.00	\$1,132.93	\$1,337.93
JCS 2	YC25917	XM00158		\$184.50	\$1,132.93	\$1,317.43
JCS 3	YC25918	OL00134			\$1,132.93	\$1,132.93

Table AI- 4: Detailed breakdown of costs associated with each claim (continued)

Assessment Report on the Discovery Creek Property

Appendix II

List of Soil Samples

Assessment Report on the Discovery Creek Property

Sample No	UTM_E (m)	UTM_N (m)	Elev (m)	Sampler	Moisture	Colour	Composition	Depth(cm)	Organics (%)	Rocks (%)	Slope (degrees)	Direction	Comments
20110001	385546	6886614	1279	GS	moist	brown	sand/gravel	24	4	10	-7	E	
20110002	385546	6886566	1287	GS	moist	brown	sand/gravel	22	2	10	-5	E	
20110003	385543	6886515	1297	GS	moist	brown	sand/gravel	13	3	10	-7	E	Large angular rocks in B horizon. May have been a road awhile back
20110004	385546	6886463	1303	GS	moist	brown	sand/gravel	22	10	10	-5	E	
20110005	385545	6886413	1312	GS	moist	brown	sand/gravel	30	5	5	-7	E	
20110006	385545	6886365	1320	GS	moist	brown	silt/sand	28	6	8	-6	E	
20110007	385545	6886314	1328	GS	moist	brown	sand/gravel	21	2	10	-4	E	
20110008	385546	6886265	1335	GS	moist	brown	sand/gravel	15	4	15	-2	E	
20110009	385545	6886214	1343	GS	moist	brown	silt/sand	23	3	6	-3	E	
20110010	385548	6886164	1347	GS	moist	brown	silt/sand	20	4	10	-3	E	
20110012	385543	6886114	1344	GS	moist	brown	sand/gravel	18	7	15	-3	E	
20110013	385545	6886065	1331	GS	moist	brown	sand/gravel	26	5	40	-4	E	Next to road, roughly 4 meters.
20110014	385545	6886018	1330	GS	moist	brown	silt/sand	32	2	2	-4	E	
20110015	385548	6885967	1327	GS	moist	brown	sand/gravel	27	3	50	-5	E	
20110016	385544	6885916	1323	GS	moist	brown	sand/gravel	27	3	20	-4	E	
20110017	385544	6885864	1321	GS	moist	brown	sand/gravel	39	4	20	-3	E	
20110018	385549	6885851	1318	GS	moist	brown	sand/gravel	29	7	18	-3	E	
20110019	386928	6884523	1412	TD	moist	grey	sand	30	2	0	0	n/a	
20110020	386884	6884492	1412	TD	moist	brown	sand/gravel	15	10	50	0	n/a	
20110021	386843	6884463	1413	TD	saturated	brown	silt/sand	20	25	5	0	n/a	
20110022	386843	6884463	1413	TD	saturated	brown	silt/sand	20	25	5	0	n/a	
20110023	386806	6884436	1414	TD	moist	brown	sand/gravel	20	5	50	2	NE	
20110024	386761	6884408	1413	TD	moist	brown	silt/sand	20	10	5	4	NE	
20110025	386721	6884381	1414	TD	moist	brown	silt/sand	15	20	0	4	NE	
20110026	386680	6884347	1414	TD	moist	black/grey	silt/sand	20	10	0	2	NE	

Table All-1: List of soil samples

Assessment Report on the Discovery Creek Property

Sample No	UTM_E (m)	UTM_N (m)	Elev (m)	Sampler	Moisture	Colour	Composition	Depth(cm)	Organics (%)	Rocks (%)	Slope (degrees)	Direction	Comments
20110027	386642	6884321	1414	TD	moist	grey	sand	25	2	5	1	NE	
20110028	386604	6884286	1414	TD	moist	brown/grey	silt/sand	20	15	0	0	n/a	
20110029	386559	6884255	1413	TD	moist	grey	sand	20	2	0	0	n/a	
20110030	386520	6884228	1414	TD	moist	brown	sand/gravel	-3	50	50	0	n/a	
20110033	386397	6884141	1426	TD	moist	grey	sand	20	10	2	-5	NE	
20110034	386357	6884114	1430	TD	moist	grey	silt/sand	15	10	2	-3	NE	
20110035	386316	6884083	1437	TD	saturated	brown/grey	silt/sand	20	5	2	-15	NE	
20110036	386278	6884054	1451	TD	moist	black	silt/sand	15	50	2	-25	NE	
20110037	386235	6884025	1463	TD	moist	brown	clay/silt	20	10	30	-5	NE	
20110082	385679	6885740	1401	FS	moist	black brown	sand/gravel	0	10	20	24	NW	
20110084	385721	6885769	1413	FS	moist	black brown	clay/silt	0	20	2	22	NW	
20110093	386084	6884030	1434	TD	moist	brown	silt/sand	25	10	40	0	E	
20110094	386124	6884062	0	FS	moist	black brown	clay/silt	0	15	2	20	NW	
20110095	386166	6884091	1429	FS	moist	black brown	silt/sand	0	20	15	21	NW	
20110096	386207	6884121	1418	FS	moist	black	sand	0	15	0	20	NW	
20110097	386246	6884151	1420	FS	moist	black	clay/silt	0	30	2	20	NW	
20110098	386289	6884179	1416	FS	moist	black brown	clay/silt	0	30	2	20	NW	
20110099	386327	6884209	1412	FS	moist	black brown	clay/silt	0	20	0	20	NW	
20110100	386365	6884242	1409	FS	moist	black brown	clay/silt	0	20	10	17	NW	
20110101	386408	6884266	1405	FS	moist	black brown	clay/silt	0	20	2	20	NW	
20110102	386448	6884294	1399	FS	moist	brown	sand/gravel	0	20	30	3	NW	
20110103	386489	6884325	1400	FS	moist	black brown	clay/silt	0	30	10	3	NW	
20110104	386531	6884357	1397	FS	moist	brown	sand/gravel	0	15	40	4	NW	
20110105	386569	6884385	1399	FS	moist	brown	sand/gravel	0	10	40	5	NW	
20110106	386609	6884413	1397	FS	moist	grey	silt/sand	0	5	2	5	NW	
20110107	386654	6884441	1399	FS	moist	brown	sand/gravel	0	10	10	8	NW	
20110108	386693	6884467	0	FS	moist	black brown	clay/silt	0	20	10	7	NW	

Table All-1: List of soil samples (continued)

Assessment Report on the Discovery Creek Property

Sample No	UTM_E (m)	UTM_N (m)	Elev (m)	Sampler	Moisture	Colour	Composition	Depth(cm)	Organics (%)	Rocks (%)	Slope (degrees)	Direction	Comments
20110109	386732	6884500	1399	FS	moist	brown	sand/gravel	0	15	30	5	NW	
20110110	386775	6884527	1398	FS	moist	black brown	clay/silt	0	20	10	17	NW	
20110111	386813	6884559	1400	FS	moist	black brown	clay/silt	0	20	5	7	NW	
20110112	386855	6884583	1401	FS	moist	black brown	clay/silt	0	15	0	7	NW	
20110113	385128	6883493	1261	TD	moist	brown	silt/sand	20	15	2	18	NE	
20110114	385165	6883516	1267	TD	moist	brown	silt/sand	20	10	0	18	NE	
20110115	385165	6883516	1267	TD	moist	brown	silt/sand	20	15	2	18	NE	
20110132	385860	6884018	1402	TD	moist	brown/grey	silt/sand	20	3	25	0	n/a	
20110133	385896	6884044	1402	TD	moist	black/grey	silt/sand	15	3	15	-3	NE	
20110134	385936	6884075	1395	TD	moist	brown	sand	20	10	25	-2	NE	
20110135	385977	6884103	1394	TD	moist	brown/grey	sand/gravel	20	5	20	1	NE	
20110136	385977	6884104	1396	TD	moist	brown/grey	sand/gravel	20	5	20	1	NE	
20110137	386020	6884131	1394	TD	moist	brown	sand	12	15	2	2	NE	
20110138	386056	6884160	1396	TD	moist	brown/grey	sand	12	20	5	5	NE	
20110139	386101	6884188	1395	TD	moist	brown	silt/sand	12	10	25	0	n/a	
20110140	386426	6884423	1396	TD	saturated	grey	sand	20	5	0	8	NE	
20110141	386470	6884444	1370	TD	moist	black/grey	silt/sand	15	5	0	5	NE	
20110142	386511	6884479	1377	TD	moist	black/brown	silt/sand	20	10	2	0	n/a	
20110143	386549	6884515	1377	FS	moist	brown tan	sand/gravel	0	2	30	4	NW	
20110144	386588	6884541	1376	FS	moist	black brown	silt/sand	0	20	0	4	NW	
20110145	386630	6884569	1380	FS	moist	black brown	clay/silt	0	15	5	5	NW	
20110146	386667	6884599	1381	FS	moist	black brown	silt/sand	0	20	10	6	NW	
20110147	386711	6884628	1382	FS	moist	black	silt/sand	0	10	2	6	NW	
20110148	386750	6884658	1383	FS	moist	black	silt/sand	0	10	0	20	NW	
20110149	386789	6884686	1386	FS	moist	brown	clay/silt	0	20	2	20	NW	
20110166	385704	6884014	1380	FS	moist	brown	sand/gravel	0	15	30	26	NW	

Table AII-1: List of soil samples (continued)

Assessment Report on the Discovery Creek Property

Sample No	UTM_E (m)	UTM_N (m)	Elev (m)	Sampler	Moisture	Colour	Composition	Depth(cm)	Organics (%)	Rocks (%)	Slope (degrees)	Direction	Comments
20110167	385748	6884047	1388	FS	moist	brown	sand/gravel	0	15	20	20	NW	
20110168	385780	6884075	1382	FS	moist	brown	sand/gravel	0	20	5	20	NW	
20110169	385821	6884107	1376	GS	moist	brown/grey	silt/sand	24	2	8	10	E	
20110170	385862	6884131	1370	GS	moist	brown/grey	clay/silt	20	5	10	10	E	
20110171	385905	6884165	1369	GS	moist	brown own	silt/sand	30	5	2	8	E	Thick ash layer. Ash in sample
20110172	385945	6884195	1365	GS	moist	brown	silt/sand	36	8	10	8	E	Thick A layer. Some in sample.
20110173	386391	6884520	1359	FS	moist	brown	sand/gravel	0	10	30	4	NW	
20110174	386439	6884544	1364	FS	moist	brown	sand/gravel	0	5	15	4	NW	
20110175	386472	6884575	1366	FS	moist	brown	sand/gravel	0	15	10	6	NW	
20110176	386514	6884603	1368	FS	moist	black brown	sand/gravel	0	10	40	7	NW	
20110177	386555	6884632	1369	FS?	moist	black brown	clay/silt	0	15	5	17	NW	
20110178	386555	6884632	1369	FS?	moist	black brown	clay/silt	0	15	5	17	NW	
20110179	386595	6884661	1369	FS	moist	black brown	clay/silt	0	10	5	5	NW	
20110180	386632	6884689	1374	FS	moist	black brown	sand/gravel	0	10	50	5	NW	
20110181	386675	6884722	1372	FS	moist	black brown	silt/sand	0	20	10	8	NW	
20110182	386712	6884750	1372	FS	moist	brown	sand/gravel	0	20	50	5	NW	
20110195	385611	6884058	1357	TD	moist	brown	silt/sand	10	15	10	0	N/A	
20110196	385653	6884093	1358	TD	moist	brown/grey	sand	20	5	0	-1	SW	
20110197	385690	6884121	1360	TD	moist	brown/grey	sand	20	5	0	-2	SW	
20110198	385730	6884154	1364	TD	moist	brown	silt/sand	10	15	20	0	N/A	Area has been reworked
20110199	385730	6884153	1364	TD	moist	brown	silt/sand	10	15	20	0	N/A	
20110200	385771	6884182	1359	TD	moist	brown	sand	15	5	2	15	SW	
20110201	385809	6884208	1359	TD	moist	brown/grey	sand	12	3	0	0	N/A	
20110202	386422	6884646	1348	TD	moist	brown	sand/gravel	20	5	35	5	SW	Area has been reworked
20110203	386464	6884673	1350	TD	moist	brown	silt/sand	20	50	1	-8	SW	

Table All-1: List of soil samples (continued)

Assessment Report on the Discovery Creek Property

Sample No	UTM_E (m)	UTM_N (m)	Elev (m)	Sampler	Moisture	Colour	Composition	Depth(cm)	Organics (%)	Rocks (%)	Slope (degrees)	Direction	Comments
20110204	386503	6884704	1357	TD	moist	grey	sand	12	5	0	-5	SW	
20110205	386542	6884734	1364	TD	moist	grey	sand	20	5	0	-1	SW	
20110206	386582	6884763	1364	TD	saturated	black	silt/sand	20	75	0	0	N/A	Very saturated, frozen at base of hole
20110207	386620	6884793	1364	TD	moist	brown	silt/sand	15	15	20	0	N/A	
20110208	386664	6884823	1364	TD	moist	brown	sand/gravel	20	5	30	0	N/A	
20110210	385182	6883894	1289	GS	moist	brown	silt/sand	39	8	2	2	NE	Some horizon A in sample
20110222	385619	6884215	1342	GS	moist	brown	silt/sand	26	5	15	8	NE	Moved sample over due to road and trenches. Area heavily worked.
20110223	386403	6884767	1333	FS	moist	black brown	sand/gravel	0	20	5	7	NW	
20110224	386444	6884796	1340	FS	moist	brown	sand/gravel	0	20	15	7	NW	
20110225	386478	6884828	1342	FS	moist	brown	sand/gravel	0	10	10	6	NW	
20110226	386523	6884856	1345	FS	moist	brown/tan	sand/gravel	0	15	30	7	NW	
20110228	386595	6884915	1348	FS	moist	black brown	clay/silt	0	15	0	7	NW	
20110230	386569	6885012	1332	TD	moist	grey	silt/sand	20	10	2	10	SW	
20110231	385204	6884039	1319	GS	moist	brown	silt/sand	25	3	5	5	NE	
20110238	386425	6884913	1324	FS	moist	brown	clay/silt	0	10	20	2	NW	
20110239	386463	6884941	1323	FS	moist	black brown	clay	0	20	0	3	NW	
20110240	386505	6884974	1326	FS	moist	black brown	clay	0	5	0	4	NW	
20110241	386505	6884974	1326	FS	moist	black brown	clay	0	5	0	4	NW	
20110242	386547	6884999	1326	FS	moist	black brown	sand/gravel	0	20	40	4	NW	
20110243	386570	6885024	1236	FS	moist	black brown	clay/silt	0	15	0	4	NW	
20110245	385192	6884131	1329	GS	moist	brown	silt/sand	26	12	8	2	NE	
20110249	386409	6885009	1318	GS	moist	brown	silt/sand	30	25	2	4	E	Lots of ash in sample
20110250	386450	6885038	1319	GS	moist	brown	silt/sand	25	2	2	2	E	Lots of ash in sample
20110251	386490	6885068	1319	GS	moist	brown	sand/gravel	26	5	20	4	E	
20110252	386424	6885147	1299	GS	moist	brown	silt/sand	31	8	5	-4	N	Permafrost
20110254	386467	6885179	1301	GS	moist	brown	sand/gravel	26	5	20	-1	N	
20110255	386509	6885209	1308	GS	moist	brown	sand/gravel	27	5	20	-8	N	
20110256	386551	6885234	1303	GS	moist	brown	sand/gravel	26	5	15	-4	N	

Table All-1: List of soil samples (continued)

Assessment Report on the Discovery Creek Property

Sample No	UTM_E (m)	UTM_N (m)	Elev (m)	Sampler	Moisture	Colour	Composition	Depth(cm)	Organics (%)	Rocks (%)	Slope (degrees)	Direction	Comments
20110257	386594	6885261	1297	GS	moist	brown	silt/sand	28	4	10	-5	N	
20110259	386676	6885314	1298	GS	moist	brown	silt/sand	19	5	8	6	NE	
20110260	386718	6885342	1312	GS	moist	brown	silt/sand	21	2	15	4	NE	
20110261	386764	6885368	1322	GS	moist	brown	sand/gravel	24	5	20	4	NE	
20110262	386763	6885369	1325	GS	moist	brown	sand/gravel	24	5	20	4	NE	
20110278	386422	6885261	1283	TD	moist	brown/grey	sand	20	5	2	-5	NE	
20110279	386461	6885293	1283	TD	moist	grey	sand	15	5	0	-5	NE	
20110280	386501	6885325	1273	TD	moist	brown	silt/sand	20	20	5	0	n/a	
20110282	386445	6885410	1280	TD	moist	brown	silt/sand	35	20	2	-3	SW	
20110283	386445	6885410	1280	TD	moist	brown	silt/sand	35	20	2	-3	SW	
20110284	386481	6885435	1290	TD	moist	grey	sand	25	15	1	-2	SW	
20110286	386294	6885423	1270	FS	moist	brown	sand/gravel	0	5	20	7	NW	
20110287	386336	6885453	1276	FS	moist	brown	sand/gravel	0	5	50	7	NW	
20110288	386381	6885477	1285	FS	moist	brown	sand/gravel	0	5	30	3	NW	
20110289	386417	6885497	1298	FS	moist	brown	sand/gravel	0	10	30	20	NW	
20110290	386463	6885521	1308	FS	moist	brown/ grey	sand/gravel	0	10	20	6	NW	
20110291	386500	6885553	1313	FS	moist	black brown	silt/sand	0	20	20	4	NW	
20110292	386181	6885470	1276	FS	moist	brown	sand/gravel	0	10	20	21	NW	
20110293	386221	6885494	1286	FS	moist	brown	sand/gravel	0	2	15	16	NW	
20110294	386257	6885523	1290	FS	moist	brown	sand/gravel	0	10	15	21	NW	
20110295	386305	6885550	1293	FS	moist	brown	sand/gravel	0	5	30	17	NW	
20110296	386345	6885574	1301	FS	moist	brown	sand/gravel	0	10	40	22	NW	
20110297	386390	6885603	1312	FS	moist	brown	sand	0	5	15	20	NW	
20110298	386432	6885632	1319	FS	moist	black brown	sand/gravel	0	10	10	21	NW	
20110299	386475	6885657	1328	FS	moist	brown	sand	0	10	30	21	NW	
20110300	386121	6885550	1285	TD	moist	grey	sand	15	2	2	25	NE	
20110301	386163	6885571	1297	TD	moist	brown	silt/sand	15	3	2	22	NE	
20110302	386205	6885608	1308	TD	moist	brown/grey	sand	20	10	0	15	NE	

Table AII-1: List of soil samples (continued)

Assessment Report on the Discovery Creek Property

Sample No	UTM_E (m)	UTM_N (m)	Elev (m)	Sampler	Moisture	Colour	Composition	Depth(cm)	Organics (%)	Rocks (%)	Slope (degrees)	Direction	Comments
20110303	386243	6885635	1313	TD	moist	brown/grey	sand/gravel	15	5	35	10	NE	
20110304	386243	6885635	1313	TD	moist	brown/grey	sand/gravel	15	5	15	10	NE	
20110305	386288	6885661	1319	TD	moist	brown	Si/Sa	12	5	10	10	NE	
20110306	386329	6885693	1327	TD	moist	brown	sand/gravel	15	10	35	10	NE	
20110307	386373	6885713	1327	TD	moist	grey	sand	15	2	3	10	NE	
20110308	386416	6885742	1334	TD	moist	brown	silt/sand	20	5	10	8	NE	
20110310	386059	6885627	1293	TD	moist	brown	silt/sand	12	2	30	-10	SW	
20110311	386096	6885656	1302	TD	moist	brown	silt/sand	10	10	5	-10	SW	
20110312	386139	6885684	1313	TD	moist	brown/grey	sand	15	15	3	-15	SW	
20110313	386182	6885712	1321	TD	moist	brown	silt/sand	20	3	15	-5	SW	
20110314	386225	6885738	1328	TD	moist	brown	silt/sand	15	5	15	-10	SW	
20110315	386265	6885765	1333	TD	moist	brown	sand/gravel	10	10	35	-5	SW	
20110316	386313	6885792	1341	TD	moist	brown/grey	silt/sand	25	5	15	-1	SW	
20110317	386352	6885821	1346	TD	moist	brown	silt/sand	12	5	30	-1	SW	
20110318	386393	6885846	1356	TD	moist	brown/grey	sand	12	3	10	-2	SW	
20110319	386434	6885874	1362	TD	moist	brown/grey		12	2	10	-2	SW	
20110321	385408	6885284	1279	FS	moist	brown	sand/gravel	0	10	40	3	SW	
20110322	385444	6885314	1280	FS	moist	black brown	silt/sand	0	10	15	3	SW	
20110323	385486	6885340	1279	FS	moist	brown	sand/gravel	0	10	20	3	SW	
20110324	385527	6885369	1278	FS	moist	brown	sand/gravel	0	5	10	5	SW	
20110325	385527	6885369	1278	FS	moist	brown	sand/gravel	0	5	10	5	SW	
20110326	385569	6885400	1279	FS	moist	brown	sand/gravel	0	5	10	7	SW	
20110327	385607	6885425	1278	FS	moist	black brown	sand/gravel	0	10	30	6	SW	
20110328	385653	6885456	1279	FS	moist	brown	sand/gravel	0	10	30	5	SW	
20110329	385693	6885488	1276	FS	moist	brown/tan	sand/gravel	0	5	10	20	SW	
20110330	385729	6885516	1273	FS	moist	brown	sand/gravel	0	5	10	20	SW	
20110331	385815	6885541	1272	FS	moist	brown	sand/gravel	0	5	20	21	SW	

Table All-1: List of soil samples (continued)

Assessment Report on the Discovery Creek Property

Sample No	UTM_E (m)	UTM_N (m)	Elev (m)	Sampler	Moisture	Colour	Composition	Depth(cm)	Organics (%)	Rocks (%)	Slope (degrees)	Direction	Comments
20110332	385815	6885575	1269	FS	moist	brown	sand/gravel	0	3	30	5	SW	
20110333	385854	6885604	1265	FS	moist	brown	sand/gravel	0	10	0	6	SW	
20110334	385898	6885631	1267	FS	moist	brown	sand/gravel	0	10	30	3	SW	
20110335	385932	6885665	1275	FS	moist	black brown	sand/gravel	0	10	0	22	SW	
20110336	385972	6885694	1285	FS	moist	brown/tan	sand/gravel	0	3	40	3	SW	
20110337	386020	6885713	1296	FS	moist	brown/tan	sand/gravel	0	5	50	4	SW	
20110338	386061	6885749	1310	FS	moist	brown/tan	sand/gravel	0	30	60	1	SW	
20110339	386098	6885775	1320	FS	moist	brown	sand/gravel	0	3	30	17	SW	
20110340	386147	6885804	1330	FS	moist	brown	sand/gravel	0	5	20	20	SW	
20110341	386174	6885836	1328	FS	moist	brown	sand/gravel	0	5	10	4	SW	
20110342	386217	6885864	1332	FS	moist	brown	sand/gravel	0	5	10	2	SW	
20110343	386260	6885888	1335	FS	moist	brown	sand/gravel	0	4	10	3	SW	
20110344	386300	6885921	1343	FS	moist	brown	sand/gravel	0	5	20	20	SW	
20110345	386342	6885448	1352	FS	moist	brown	sand/gravel	0	50	40	20	SW	
20110346	386383	6885978	1363	FS	moist	brown	sand/gravel	0	10	20	20	SW	
20110349	385299	6885330	1293	GS	moist	brown	silt/sand	52	0	2	-4	E	Very thick as layer
20110350	385338	6885357	1290	GS	moist	brown	silt/sand	36	2	5	-5	E	2m from an old road
20110351	385379	6885380	1303	GS	moist	brown/grey	silt/sand	24	2	2	5	N	Lots of ash
20110352	385420	6885416	1302	GS	moist	brown/grey	silt/sand	28	3	3	4	N	Lots of ash
20110353	385459	6885445	1295	GS	moist	brown/grey	silt/sand	22	6	2	6	N	
20110354	385502	6885474	1296	GS	moist	brown/grey	silt/sand	28	5	6	5	N	
20110355	385541	6885502	1291	GS	moist	brown/grey	silt/sand	24	4	4	5	N	Ash layer in sample
20110356	385541	6885502	1295	GS	moist	brown/grey	silt/sand	22	3	2	5	N	Ash layer in sample
20110357	385582	6885535	1294	GS	moist	brown	sand/gravel	22	0	40	2	N	
20110358	385620	6885561	1291	GS	moist	brown/grey	silt/sand	28	0	5	2	N	
20110359	385665	6885591	1290	GS	moist	brown/grey	silt/sand	30	0	5	4	N	
20110360	385705	6885620	1285	GS	moist	brown	sand/gravel	25	5	20	3	N	
20110361	385743	6885650	1282	GS	moist	brown	sand/gravel	25	3	20	4	N	Ash layer in sample

Table All-1: List of soil samples (continued)

Assessment Report on the Discovery Creek Property

Sample No	UTM_E (m)	UTM_N (m)	Elev (m)	Sampler	Moisture	Colour	Composition	Depth(cm)	Organics (%)	Rocks (%)	Slope (degrees)	Direction	Comments
20110362	385786	6885680	1275	GS	moist	brown	sand/gravel	26	5	25	-6	E	
20110363	385825	6885708	1208	GS	moist	brown	silt/sand	18	8	4	6	E	
20110364	385866	6885738	1284	GS	moist	brown	silt/sand	21	4	9	-4	E	Ash layer in sample
20110365	385908	6885768	1283	GS	moist	brown	silt/sand	21	7	4	5	N	
20110366	385947	6885792	1284	GS	moist	black/brown	silt/sand	46	10	5	6	N	Thick A layer
20110367	385988	6885825	1293	GS	moist	brown	sand/gravel	18	5	18	8	N	
20110368	386029	6885851	1307	GS	moist	brown/grey	sand/gravel	24	10	8	8	N	
20110369	386070	6885879	1320	GS	moist	brown	silt/sand	23	5	5	8	N	Ash layer in sample
20110370	386113	6885909	1325	GS	moist	brown	silt/sand	38	5	5	2	N	Ash layer in sample
20110371	386154	6885935	1329	GS	moist	brown	silt/sand	12	2	8	3	N	
20110372	386193	6885965	1334	GS	moist	brown	silt/sand	11	5	12	2	N	
20110373	386240	6885990	1338	GS	moist	brown	sand/gravel	8	2	20	1	N	
20110374	386278	6886017	1339	GS	moist	brown	sand/gravel	15	5	15	1	N	
20110375	386318	6886049	1340	GS	moist	brown	sand/gravel	12	5	10	1	N	
20110376	386362	6886075	1342	GS	moist	brown	sand/gravel	20	0	30	-3	N	
20110377	386361	6886077	1342	GS	moist	brown	sand/gravel	17	2	30	-3	N	
20110378	386402	6886105	1338	GS	moist	brown	silt/sand	28	4	4	-3	N	Lots of ash and large angular rocks under organic layer. Not much B.
20110379	386444	6886132	1333	GS	moist	brown	sand/gravel	15	5	20	-3	N	
20110381	385230	6885407	1312	TD	moist	grey	silt/sand	20	5	2	3	SW	
20110382	385273	6885438	1311	TD	moist	grey	silt/sand	25	0	0	1	SW	
20110383	385314	6885469	1307	TD	moist	brown	silt/sand	20	5	10	6	SW	
20110384	385354	6885492	1306	TD	moist	brown	silt/sand	20	20	5	5	SW	
20110385	385394	6885523	1303	TD	moist	brown	sand	15	2	1	2	SW	
20110386	385436	6885553	1303	TD	moist	brown/black	silt/sand	20	75	0	0	SW	Mostly organics, frozen at 20cm
20110387	385477	6885581	1304	TD	moist	brown	silt/sand	20	15	2	1	SW	
20110388	385516	6885609	1303	TD	saturated	brown	silt/sand	15	2	1	0	SW	
20110389	385558	6885639	1304	TD	moist	grey	sand	15	1	1	1	SW	
20110390	385601	6885670	1302	TD	moist	brown	silt/sand	20	2	1	3	SW	

Table All-1: List of soil samples (continued)

Assessment Report on the Discovery Creek Property

Sample No	UTM_E (m)	UTM_N (m)	Elev (m)	Sampler	Moisture	Colour	Composition	Depth(cm)	Organics (%)	Rocks (%)	Slope (degrees)	Direction	Comments
20110391	385642	6885700	1297	TD	moist	grey	silt/sand	15	3	2	20	SW	
20110392	385681	6885726	1291	TD	moist	brown	sand/gravel	20	5	40	18	SW	
20110393	385722	6885753	1279	TD	saturated	brown	silt/sand	30	60	2	15	SW	
20110394	385764	6885786	1274	TD	moist	brown	silt/sand	15	20	2	0	SW	
20110395	385799	6885812	1282	TD	moist	brown	sand/gravel	15	8	20	-18	SW	
20110396	385841	6885842	1301	TD	moist	brown	silt/sand	15	5	5	-10	SW	
20110397	385886	6885871	1303	TD	moist	brown	sand	20	5	0	-20	SW	
20110398	385886	6885871	1303	TD	moist	brown	silt/sand	20	5	0	-20	SW	
20110399	385926	6885898	1312	TD	moist	brown	silt/sand	15	3	1	-20	SW	
20110400	385967	6885927	1318	TD	moist	brown	silt/sand	15	5	5	-15	SW	
20110401	386007	6885953	1325	TD	moist	brown	sand	15	3	0	-8	SW	
20110402	386052	6885983	1332	TD	moist	brown	silt/sand	13	3	15	-2	SW	
20110403	386092	6886009	1333	TD	moist	brown	silt/sand	25	3	0	0	SW	
20110404	386131	6886035	1332	TD	moist	brown	sand/gravel	25	10	15	0	SW	
20110405	386178	6886060	1334	TD	moist	brown	silt/sand	15	10	20	0	SW	
20110406	386220	6886092	1335	TD	moist	brown	sand/gravel	15	3	50	3	SW	
20110407	386262	6886115	1331	TD	moist	brown	silt/sand	15	10	30	10	SW	
20110408	386305	6886143	1323	TD	moist	brown	sand/gravel	15	3	10	10	SW	
20110409	386345	6886168	1328	TD	moist	brown		10	10	40	3	SW	
20110410	386388	6886196	1327	TD	moist	grey	sand	15	10	0	10	SW	
20110411	386430	6886224	1317	TD	moist	brown/black	silt/sand	20	40	0	20	SW	Frozen at 20 cm
20110412	386470	6886250	1316	TD	moist	brown	silt/sand	18	10	2	20	SW	
20110415	385210	6885514	1333	GS	moist	brown/grey	silt/sand	38	8	4	-5	E	Thick ash layer
20110416	385250	6885543	1328	GS	moist	brown	silt/sand	41	2	2	-3	E	Thick ash layer. 5m from road
20110423	385492	6885718	1317	GS	moist	brown	sand/gravel	0	5	40	6	SW	
20110424	385534	6885748	1316	GS	moist	brown	sand/gravel	0	5	40	5	SW	
20110425	385578	6885777	1313	GS	moist	brown	sand/gravel	0	5	30	16	SW	
20110426	385622	6885806	1304	GS	moist	brown	sand/gravel	0	5	40	17	SW	
20110427	385661	6885847	1300	GS	moist	brown	sand/gravel	0	10	50	17	SW	

Table All-1: List of soil samples (continued)

Assessment Report on the Discovery Creek Property

Sample No	UTM_E (m)	UTM_N (m)	Elev (m)	Sampler	Moisture	Colour	Composition	Depth(cm)	Organics (%)	Rocks (%)	Slope (degrees)	Direction	Comments
20110428	385700	6885864	0	GS	moist	brown	sand/gravel	0	5	40	7	SW	
20110429	385740	6885892	1291	GS	moist	brown	sand/gravel	0	5	0	7	SW	
20110430	385779	6885925	1303	GS	moist	brown	sand/gravel	0	2	50	2	SW	
20110431	385823	6885948	1309	GS	moist	brown	sand/gravel	0	10	50	3	SW	
20110432	385864	6885976	1314	GS	moist	brown	sand/gravel	0	3	30	3	SW	
20110433	385906	6886009	1320	GS	moist	brown	sand/gravel	0	2	30	4	SW	
20110434	385945	6886034	1322	GS	moist	brown	sand/gravel	0	5	30	6	SW	
20110435	385984	6886064	1326	GS	moist	brown	sand/gravel	0	2	30	7	SW	
20110436	386026	6886093	1327	GS	moist	brown	sand/gravel	0	4	40	7	SW	
20110437	386065	6886121	1327	GS	moist	brown	sand/gravel	0	2	40	5	SW	
20110438	386109	6886156	1324	FS	moist	brown/tan	sand/gravel	0	2	40	7	SW	
20110440	386151	6886180	1320	FS	moist	brown	sand/gravel	0	10	30	7	SW	
20110441	386192	6886206	1316	FS	moist	brown	sand/gravel	0	2	30	20	SW	
20110442	386236	6886238	1302	FS	moist	brown/tan	sand/gravel	0	2	30	20	SW	
20110443	386275	6886268	1292	FS	moist	brown	sand/gravel	0	5	50	20	SW	
20110444	386313	6886275	1292	FS	moist	brown	sand/gravel	0	10	20	21	SW	
20110445	386325	6886282	1290	FS	moist	black brown	silt/sand	0	10	2	20	SW	
20110446	386368	6886311	1294	FS	moist	brown	sand/gravel	0	2	10	17	SW	
20110447	386401	6886347	1304	FS	moist	black brown	clay	0	15	5	2	SW	
20110448	386441	6886372	1309	FS	moist	brown	clay	0	20	5	2	SW	
20110449	386484	6886398	1320	FS	moist	black brown	clay	0	10	0	7	SW	
20110450	386524	6886452	1333	FS	moist	brown	sand/gravel	0	10	40	5	SW	
20110451	386608	6886483	1351	FS	moist	black brown	sand/gravel	0	20	0	4	SW	
20110452	386652	6886512	1365	FS	moist	black brown	sand/gravel	0	15	20	3	SW	
20110453	385580	6885853	1318	GS	moist	brown	silt/sand	27	3	10	4	N	
20110454	385619	6885886	1311	GS	moist	brown	silt/sand	36	6	8	7	N	
20110455	385665	6885916	1304	GS	moist	brown	sand/gravel	48	4	12	7	N	
20110456	385704	6885942	1300	GS	moist	brown	sand/gravel	24	7	40	4	N	
20110458	385786	6886000	1313	GS	moist	brown	sand/gravel	26	0	35	3	N	

Table All-1: List of soil samples (continued)

Assessment Report on the Discovery Creek Property

Sample No	UTM_E (m)	UTM_N (m)	Elev (m)	Sampler	Moisture	Colour	Composition	Depth(cm)	Organics (%)	Rocks (%)	Slope (degrees)	Direction	Comments
20110459	385828	6886026	1316	GS	moist	brown	sand/gravel	32	2	25	3	N	
20110460	385873	6886055	1320	GS	moist	brown	silt/sand	30	1	3	1	N	
20110461	385873	6886056	1321	GS	moist	brown	silt/sand	32	2	4	1	N	
20110462	385909	6886087	1326	GS	moist	brown	sand/gravel	26	0	10	1	N	10m from road
20110464	385989	6886143	1326	GS	moist	brown	sand/gravel	27	4	12	2	N	In between two trenches, each about 12-15m away.
20110465	386032	6886172	1323	GS	moist	brown	sandy	27	4	0	3	N	
20110466	386072	6886201	1318	GS	moist	brown	sand/gravel	25	5	18	2	N	
20110467	386112	6886230	1312	GS	moist	brown	sand/gravel	27	8	14	-6	N	
20110468	386155	6886257	1299	GS	moist	brown	sand/gravel	24	2	20	-8	N	
20110469	386195	6886285	1287	GS	moist	brown	silt/sand	25	5	7	-6	NE	
20110470	386236	6886319	1281	GS	moist	brown	silt/sand	26	40	4	1	NE	Just beside stream
20110471	386277	6886344	1288	GS	moist	brown	silt/sand	46	8	5	3	NE	Ash layer in sample
20110472	386317	6886374	1296	GS	moist	brown	sand/gravel	28	7	10	4	NE	
20110473	386358	6886403	1304	GS	moist	grey	silt/sand	39	4	4	4	NE	Ash layer in sample
20110474	386400	6886431	1312	GS	moist	brown	silt/sand	38	4	8	5	NE	
20110476	386484	6886484	1330	GS	moist	brown/grey	silt/sand	22	10	10	4	NE	
20110477	386524	6886515	1342	GS	moist	brown/grey	silt/sand	30	5	15	7	NE	
20110478	386565	6886546	1357	GS	moist	brown	sand/gravel	23	4	25	8	NE	
20110479	386606	6886573	1371	GS	moist	brown	sand/gravel	26	2	10	8	NE	
20110480	386647	6886602	1387	GS	moist	brown	silt/sand	27	5	3	12	NE	
20110481	385640	6886617	1265	GS	moist	brown	silt/sand	26	4	8	-8	E	
20110482	385639	6886618	1265	GS	moist	brown	silt/sand	22	7	8	-8	E	
20110483	385639	6886568	1271	GS	moist	brown	silt/sand	20	7	10	-8	E	
20110484	385640	6886518	1277	GS	moist	brown/red	sand/gravel	20	4	60	-11	E	
20110485	385642	6886466	1288	GS	moist	brown	silt/sand	24	4	9	-12	E	
20110486	385641	6886417	1298	GS	moist	brown	silt/sand	17	6	4	-10	E	
20110487	385646	6886369	1306	GS	moist	brown	sand/gravel	24	7	12	-7	E	Moved sample location over due to trench
20110488	385639	6886319	1315	GS	moist	brown	sand/gravel	26	4	8	-5	E	

Table All-1: List of soil samples (continued)

Assessment Report on the Discovery Creek Property

Sample No	UTM_E (m)	UTM_N (m)	Elev (m)	Sampler	Moisture	Colour	Composition	Depth(cm)	Organics (%)	Rocks (%)	Slope (degrees)	Direction	Comments
20110489	385641	6886268	1320	GS	moist	brown	sand/gravel	30	6	15	-2	E	
20110490	385645	6886217	1324	GS	moist	brown	silt/sand	25	8	8	-2	E	Looks like area has been worked
20110491	385641	6886167	1328	GS	moist	brown	sand/gravel	22	5	12	-2	E	
20110492	385646	6886112	1322	GS	moist	brown	sand/gravel	25	10	10	-1	E	Moved sample over due to road.
20110493	385642	6886068	1320	GS	moist	brown	sand/gravel	24	4	38	5	N	
20110494	385642	6886019	1312	GS	moist	brown	sand/gravel	34	5	22	8	N	
20110495	385645	6885968	1306	GS	moist	brown	sand/gravel	33	4	15	6	N	
20110496	385643	6885918	1304	GS	moist	brown	sand/gravel	28	4	12	-5	E	
20110497	385742	6886664	1244	FS	moist	brown	sand/gravel	0	0	40	10	N	
20110498	385740	6886615	1257	FS	moist	brown	sand/gravel	0	10	10	17	N	
20110499	385741	6886566	1261	FS	moist	brown	sand/gravel	16	10	30	7		
20110500	385742	6886516	1263	FS	moist	brown	sand/gravel	0	4	50	3	N	
20110501	385742	6886467	1269	FS	moist	brown	clay/silt	0	5	0	3	N	
20110502	385741	6886415	1279	FS	moist	brown/tan	sand/gravel	0	4	30	4	N	
20110503	385741	6886364	1293	FS	moist	brown	sand/gravel	0	10	40	4	N	
20110504	385741	6886316	1307	FS	moist	brown	sand/gravel	0	2	40	3	N	
20110505	385742	6886266	1318	FS	moist	brown	sand/gravel	0	4	40	5	N	
20110506	385740	6886217	1326	TD	moist	brown	sand/gravel	0	3	40	8	N	
20110507	385742	6886166	1335	FS	moist	brown	sand/gravel	0	4	30	5	N	
20110508	385740	6886115	1332	FS	moist	brown	sand/gravel	0	5	1	5	N	
20110509	385742	6886065	1317	FS	moist	brown	sand/gravel	0	5	30	5	S	
20110510	385742	6886022	1314	FS	moist	brown	sand/gravel	0	2	30	5	S	
20110511	385743	6885971	1307	FS	moist	brown	sand/gravel	0	4	40	5	S	
20110512	385844	6886629	1253	FS	moist	brown	sand/gravel	0	2	40	20	S	
20110513	385840	6886564	1259	FS	moist	brown/tan	sand/gravel	0	2	40	20	S	
20110514	385843	6886522	1260	FS	moist	brown	sand/gravel	0	0	30	19	S	
20110515	385841	6886472	1272	FS	moist	brown	sand/gravel	0	5	50	20	S	
20110516	385841	6886422	1277	FS	moist	brown	sand/gravel	0	10	40	20	S	

Table All-1: List of soil samples (continued)

Assessment Report on the Discovery Creek Property

Sample No	UTM_E (m)	UTM_N (m)	Elev (m)	Sampler	Moisture	Colour	Composition	Depth(cm)	Organics (%)	Rocks (%)	Slope (degrees)	Direction	Comments
20110517	385845	6886372	1280	FS	moist	brown	sand/gravel	0	3	20	21	S	
20110518	385844	6886320	1293	FS	moist	brown	sand/gravel	0	4	20	20	S	
20110519	385838	6886272	1303	FS	moist	brown	sand/gravel	0	10	40	19	S	
20110520	385845	6886220	1311	FS	moist	brown	sand/gravel	0	10	40	20	S	
20110521	385841	6886173	1318	FS	moist	brown	sand	0	2	20	20	S	
20110522	385844	6886122	1319	FS	moist	brown	sand/gravel	0	5	10	5	S	
20110523	385841	6886072	1320	FS	moist	brown	sand/gravel	0	5	10	5	S	
20110526	385947	6886621	1263	TD	moist	brown	sand/gravel	25	5	40	2	N	Area has been reworked
20110527	385947	6886570	1259	TD	moist	brown	silt/sand	30	10	5	15	N	
20110528	385947	6886522	1254	TD	moist	brown	sand/gravel	20	2	15	15	N	Taken on bank of old placer workings
20110529	385946	6886469	1256	TD	moist	brown	sand/gravel	12	30	8	0	N	Sample taken at old placer workings so is probably not an accurate representation of the mineral content in the subsurface body
20110530	385947	6886419	1270	TD	saturated	brown	n/a	20	5	0	-20	N	Could not breach organic layer due to frozen ground
20110531	385946	6886372	1282	TD	saturated	brown	silt/sand	30	50	2	-15	N	Frozen, Rich in organics (30cm)
20110532	385946	6886321	1297	TD	moist	brown	silt/sand	30	10	5	-12	N	
20110533	385946	6886270	1282	TD	moist	brown	silt/sand	15	3	40	-15	N	
20110534	385947	6886219	1297	TD	moist	brown	sand	30	2	5	-12	N	
20110535	385946	6886171	1311	TD	moist	brown	silt/sand	25	30	8	-3	N	Lots of organics
20110536	385946	6886125	1324	TD	moist	brown	clay/silt	12	5	0	0	N	
20110537	386044	6886620	1264	TD	moist	brown	sand/gravel	15	10	25	-3	S	
20110538	386043	6886570	1276	TD	saturated	brown	silt/sand	30	80	2	-1	S	Frozen
20110539	386042	6886519	1271	TD	moist	brown	sand/gravel	15	10	30	-5	S	
20110540	386044	6886472	1268	TD	moist	brown	sand	15	2	1	1	S	
20110541	386040	6886419	1266	TD	moist	brown	silt/sand	20	5	4	0	S	
20110542	386044	6886370	1273	TD	moist	brown	silt/sand	25	75	4	20	S	Frozen
20110543	386041	6886321	1288	TD	moist	brown	silt/sand	15	15	20	22	S	
20110544	386044	6886269	1302	TD	moist	grey	sand	15	3	0	12	S	
20110545	386043	6886269	1299	TD	moist	brown	silt/sand	15	5	0	12	S	

Table AII-1: List of soil samples (continued)

Assessment Report on the Discovery Creek Property

Sample No	UTM_E (m)	UTM_N (m)	Elev (m)	Sampler	Moisture	Colour	Composition	Depth(cm)	Organics (%)	Rocks (%)	Slope (degrees)	Direction	Comments
20110546	386042	6886221	1312	TD	moist	brown	silt/sand	10	10	20	8	S	
20110547	386044	6886170	1318	TD	moist	brown	silt/sand	12	4	15	7	S	
20110548	386144	6886619	1315	TD	moist	brown	sand/gravel	8	20	30	4	N	
20110549	386141	6886572	1285	TD	moist	brown	sand/gravel	15	10	40	5	N	
20110550	386144	6886522	1283	TD	moist	grey	sand	15	10	30	5	N	
20110551	386142	6886470	1281	TD	moist	brown	silt/sand	15	5	35	8	N	
20110552	386143	6886424	1277	TD	moist	brown	silt/sand	15	30	2	5	N	
20110553	386145	6886373	1270	TD	saturated	brown	silt/sand	30	70	2	0	N	
20110554	386145	6886320	1277	TD	moist	grey	sand	20	2	0	-17	N	
20110555	386147	6886268	1290	TD	moist	brown	silt/sand	15	3	40	-25	N	
20110556	386145	6886248	1315	TD	moist	brown	silt/sand	15	15	1	-20	N	Half clay/silt(brown) / half sand (grey)
20110557	386243	6886619	1301	GS	moist	brown	silt/sand	26	15	10	5	N	
20110558	386239	6886568	1298	GS	moist	brown	silt/sand	30	7	15	2	N	
20110559	386244	6886518	1296	GS	moist	grey	sandy	27	7	4	6	NE	
20110560	386244	6886468	1294	GS	moist	brown/grey	silt/sand	35	12	15	6	NE	
20110561	386241	6886419	1291	GS	moist	brown	sand/gravel	32	2	20	6	N	
20110562	386242	6886366	1284	GS	moist	brown	sand/gravel	26	8	10	5	N	
20110564	386343	6886619	1326	FS	moist	brown	sand/gravel	0	5	20	6	S	
20110565	386342	6886568	1313	FS	moist	brown	sand/gravel	0	5	40	4	S	
20110566	386340	6886519	1308	FS	moist	black brown	sand/gravel	0	5	40	5	S	
20110567	386343	6886467	1304	FS	moist	black brown	sand/gravel	0	10	30	17	S	
20110568	386342	6886416	1299	FS	moist	black brown	sand/gravel	0	10	40	16	S	
20110570	386339	6886369	1293	FS	moist	brown	sand/gravel	0	10	20	17	S	
20110571	386444	6886617	1323	TD	moist	brown/black	sand/gravel	15	5	25	-30	S	
20110572	386444	6886569	1320	TD	moist	brown	silt/sand	15	60	5	-15	S	
20110573	386443	6886520	1324	TD	moist	brown	silt/sand	15	50	2	-8	S	

Table All-1: List of soil samples (continued)

Assessment Report on the Discovery Creek Property

Sample No	UTM_E (m)	UTM_N (m)	Elev (m)	Sampler	Moisture	Colour	Composition	Depth(cm)	Organics (%)	Rocks (%)	Slope (degrees)	Direction	Comments
20110574	386444	6886469	1316	TD	moist	brown/black	clay/silt	20	50	0	-5	S	
20110575	386444	6886418	1311	TD	moist	black	silt/sand	30	4	5	-4	S	Frozen at 30cm
20110596	386491	6886603	1352	JC	moist	brown	silt/sand	0	5	2	24	North	Rocks mixed with ash
20110597	386490	6886555	1342	JC	moist	brown	silt/sand	0	2	0	20	North	No rocks in the soil
20110598	386491	6886506	1332	JC	saturated	brown	sand/gravel	0	12	60	12	North	Really wet, Lots of rocks
20110620	386585	6886602	1373	TD	moist	tan	sand/gravel	20	5	20	30	N	2m on uphill side (N) of road
20110621	386586	6886561	1360	TD	moist	brown	sand/gravel	10	5	50	20	N	
20110642	386699	6886601	1390	GS	moist	tan/grey	silt/sand	24	12	0	15	N	
20110671	386901	6887239	1368	TD	moist	brown	sand/gravel	10	2	40	10	S	
20110672	386904	6887190	1376	TD	moist	brown	sand/gravel	0	5	30	5	S	
20110673	386901	6887137	1376	TD	moist	brown	sand/gravel	12	5	25	0	S	
20110674	386902	6887089	1377	TD	moist	brown	sand/gravel	0	2	10	7	S	
20110675	386903	6887039	1376	TD	moist	brown	silt/sand	30	5	2	2	S	Sandy silt
20110676	386903	6886990	1375	TD	moist	brown	sand/gravel	0	5	50	6	S	
20110677	386902	6886942	1373	TD	saturated	brown	silt/sand	15	90	0	5	S	Almost completely frozen organics, possibly (A) horizon?
20110678	386902	6886889	1373	TD	moist	brown	sand/gravel	0	5	0	7	S	
20110679	386900	6886838	1376	TD	moist	grey	sand	30	2	0	10	S	Sandy
20110681	386901	6886739	1382	TD	moist	brown	silt/sand	30	10	40	10	S	
20110682	386904	6886689	1389	FS	moist	brown	sand/gravel	0	5	50	6	S	
20110683	386900	6886638	1380	TD	moist	brown	sand/gravel	20	3	50	12	S	
20110711	387103	6884824	1378	GS	moist	brown	silt/sand	36	8	12	-6	N	
20110712	387064	6884794	1383	GS	moist	brown	sand/gravel	30	6	20	-7	N	
20110713	387063	6884795	1383	GS	moist	brown	sand/gravel	31	6	20	-7	N	
20110714	387023	6884768	1388	GS	moist	brown	sand/gravel	26	8	18	-4	N	
20110715	386979	6884741	1389	GS	moist	brown	sand/gravel	27	10	18	-6	N	
20110716	386940	6884711	1392	GS	moist	brown	sand/gravel	23	5	10	6	N	Ash layer in sample
20110717	386901	6884683	1396	GS	moist	brown	sand/gravel	28	2	25	6	N	
20110718	386857	6884657	1398	GS	saturated	brown	sand/gravel	31	2	20	4	N	

Table All-1: List of soil samples (continued)

Assessment Report on the Discovery Creek Property

Sample No	UTM_E (m)	UTM_N (m)	Elev (m)	Sampler	Moisture	Colour	Composition	Depth(cm)	Organics (%)	Rocks (%)	Slope (degrees)	Direction	Comments
20110719	386817	6884625	1397	GS	moist	brown	sand/gravel	28	4	18	3	N	
20110726	384814	6883009	1273	AA	moist	brown/tan	silt/sand	15	15	5	25	SW	Rocky
20110727	384774	6882980	1253	AA	moist	tan	silt/sand	30	5	2	15	SW	
20110728	384732	6882952	1233	AA	moist	brown/tan	silt/sand	30	5	10	15	SW	
20110729	384689	6882915	1216	AA	moist	black	silt/sand	32	10	2	15	SW	
20110730	384650	6882893	1200	AA	moist	black/grey	silt/sand	28	5	5	15	SW	
20110731	384610	6882862	1185	AA	moist	black/grey	silt/sand	28	5	2	15	SW	
20110732	384568	6882832	1174	AA	moist	black	silt/sand	35	5	2	15	SW	
20110733	384527	6882802	1163	AA	moist	black/brown	clay/silt	32	5	10	10	SW	
20110734	384500	6882780	1156	AA	saturated	black/brown	silt/sand	32	10	2	10	SW	
20110735	385069	6883305	1279	TD	moist	black/grey	silt/sand	20	20	10	30	S	
20110736	385031	6883278	1294	TD	saturated	brown	silt/sand	25	5	20	20	S	
20110746	384671	6883009	1222	TD	moist	tan	silt/sand	30	3	2	40	NE	
20110747	384626	6882982	1200	TD	moist	brown	silt/sand	20	5	25	38	NE	
20110748	384585	6882952	1186	TD	moist	brown	silt/sand	40	5	2	34	NE	
20110749	384546	6882921	1174	TD	moist	black	clay/silt	35	1	0	20	NE	
20110750	384501	6882894	1163	TD	moist	tan	silt/sand	20	3	0	15	NE	
20110751	384441	6882865	1147	TD	moist	black/brown	silt/sand	20	10	0	12	NE	
20110752	386386	6884394	1371	TD/AA	moist	tan	silt/sand	25	5	5	15	NW	
20110753	386344	6884365	1380	TD/AA	moist	black/grey	silt/sand	30	5	5	5	NW	Permafrost
20110754	386304	6884337	1389	TD/AA	saturated	grey	silt/sand	30	0	0	5	NW	
20110755	386263	6884304	1395	TD/AA	moist	brown	silt/sand	20	10	5	5	NW	Moved sample off trench
20110756	386225	6884273	1401	TD/AA	Dry	black/grey	silt/sand	30	10	5	5	NW	
20110757	386187	6884247	1402	TD/AA	moist	black	clay/silt	30	10	5	5	NW	
20110758	386143	6884221	1400	TD/AA	moist	black/grey	silt/sand	30	5	5	15	NW	
20110759	385085	6883459	1253	TD/AA	moist	brown/grey	silt/sand	25	10	3	25	Se	
20110760	385048	6883428	1252	TD/AA	moist	black/brown	silt/sand	20	3	3	30	SE	

Table All-1: List of soil samples (continued)

Assessment Report on the Discovery Creek Property

Sample No	UTM_E (m)	UTM_N (m)	Elev (m)	Sampler	Moisture	Colour	Composition	Depth(cm)	Organics (%)	Rocks (%)	Slope (degrees)	Direction	Comments
20110761	385006	6883400	1260	TD/AA	moist	tan	sand	25	3	0	44	Se	
20110762	385006	6883400	1260	TD/AA	moist	tan	sand	25	3	0	44	SE	
20110763	384965	6883371	1272	TD/AA	moist	grey	silt/sand	20	8	15	35	SE	
20110764	384925	6883344	1276	TD/AA	moist	black/brown	silt/sand	15	10	0	35	SE	
20110765	384884	6883314	1279	TD/AA	moist	brown/grey	silt/sand	15	3	10	40	SE	
20110766	384842	6883286	1282	TD/AA	moist	brown	silt/sand	15	5	0	40	E	
20110775	384478	6883020	1163	TD/AA	moist	brown/grey	sand	25	5	10	28	NE	
20110776	384438	6882992	1156	TD/AA	moist	brown/grey	sand	25	5	1	25	NE	
20110778	386353	6884488	1352	TD/AA	moist	brown/grey	silt/sand	20	20	2	20	E	
20110779	386311	6884458	1364	TD/AA	moist	brown/Ta	sand	22	5	0	25	E	
20110780	386268	6884431	1371	TD/AA	moist	grey	silt/sand	25	3	5	25	S	
20110781	386228	6884405	1370	TD/AA	moist	brown	silt/sand	12	7	25	25	S	
20110782	386187	6884372	1370	TD/AA	moist	black/grey	silt/sand	25	5	2	25	S	
20110783	386187	6884373	1369	TD/AA	moist	black/grey	silt/sand	25	5	2	25	S	
20110784	386145	6884344	1370	TD/AA	moist	brown/grey	silt/sand	20	20	2	25	S	
20110785	386106	6884313	1370	TD/AA	moist	grey	sand	30	5	2	25	S	
20110786	386064	6884281	1365	TD/AA	moist	brown/grey	silt/sand	25	5	2	20	S	
20110787	386024	6884257	1368	TD/AA	moist	brown/tan	clay/Silt	30	5	5	5	NE	
20110788	385986	6884224	1370	TD/AA	saturated	black/grey	silt/sand	30	5	5	5	NE	Frozen ground
20110790	385049	6883553	1234	TD/AA	moist	black/brown	silt/sand	30	20	2	25	SE	
20110791	385008	6883526	1227	TD/AA	moist	brown	silt/sand	20	30	0	22	SE	
20110792	384973	6883496	1225	TD/AA	moist	brown	silt/sand	20	3	2	30	S	
20110793	386386	6884890	1326	FS	moist	brown	sand/gravel	0	10	30	21	NW	
20110794	386343	6884854	1322	FS	moist	brown	sand/gravel	0	10	40	20	NW	
20110795	386305	6884824	1310	FS	moist	brown	sand/gravel	0	10	40	1	NW	
20110796	386366	6884981	1310	GS	moist	brown	silt/sand	24	8	5	3	E	Permafrost
20110797	386325	6884950	1308	GS	moist	brown	sand/gravel	21	8	18	-3	E	
20110798	386286	6884922	1301	GS	moist	brown	sand/gravel	20	5	15	-2	E	Area looked like it has been worked on before

Table All-1: List of soil samples (continued)

Assessment Report on the Discovery Creek Property

Sample No	UTM_E (m)	UTM_N (m)	Elev (m)	Sampler	Moisture	Colour	Composition	Depth(cm)	Organics (%)	Rocks (%)	Slope (degrees)	Direction	Comments
20110799	386382	6885120	1301	GS	moist	brown	sand/gravel	24	4	20	-3	NE	
20110800	386343	6885089	1301	GS	moist	brown	sand/gravel	29	5	10	-3	NE	Permafrost
20110801	386303	6885061	1298	GS	moist	brown	silt/sand	18	5	5	-2	NE	Permafrost
20110802	386383	6885233	1288	TD	moist	grey	sand	15	5	0	-4	NE	
20110803	386340	6885206	1287	TD	moist	brown/black	silt/sand	20	50	2	-5	NE	
20110804	386340	6885206	1287	TD	moist	brown/black	silt/sand	20	50	2	-5	NE	
20110805	386299	6885177	1292	TD	moist	brown/black	silt/sand	15	15	0	2	NE	
20110806	386259	6885149	1291	TD	moist	brown	sand	15	10	10	2	NE	
20110807	386217	6885123	1289	TD	moist	grey	sand	20	15	2	3	NE	
20110809	386324	6885323	1275	TD	moist	brown	sand/gravel	25	10	30	8	SW	
20110810	386282	6885296	1276	TD	moist	grey	sand	15	5	10	10	SW	
20110811	386242	6885266	1280	TD	moist	brown	sand	25	5	0	3	SW	
20110812	386203	6885232	1281	TD	moist	brown/grey	sand/gravel	25	5	20	2	SW	
20110813	386162	6885204	1278	TD	moist	brown	silt/sand	25	5	20	-5	SW	
20110814	386119	6885477	1272	TD	moist	grey	sand	15	10	1	-3	SW	
20110820	386137	6885444	1266	FS	moist	brown	sand/gravel	0	0	0	0	NW	
20110821	386104	6885441	1261	FS	moist	black brown	clay/silt	0	15	5	2	NW	30m off due to placer operation
20110823	386021	6885374	1251	FS	moist	brown	sand/gravel	0	5	20	17	NW	
20110826	386083	6885521	1279	TD	moist	brown/grey	silt/sand	15	15	2	25	NE	
20110827	386041	6885488	1257	TD	moist	brown	sand/gravel	20	10	40	20	NE	
20110829	386001	6885464	1252	TD	moist	brown	sand/gravel	25	10	15	10	NE	Taken at/near placer operation
20110831	385961	6885437	1246	TD	moist	brown	sand/gravel	20	20	15	8	NE	Taken at/near placer operation
20110833	385919	6885404	1247	TD	moist	brown	sand/gravel	25	15	1	-3	NE	Near placer operation!
20110834	385898	6885519	1253	TD	moist	brown	sand/gravel	20	20	1	0	SW	
20110835	385856	6885482	1258	TD	moist	brown	sand/gravel	10	3	20	2	SW	
20110836	385815	6885451	1260	TD	moist	brown	sand/gravel	15	15	20	5	SW	
20110859	385021	6882067	1128	AA	moist	tan	sand/gravel	36	15	10	8	N	Less ash

Table All-1: List of soil samples (continued)

Assessment Report on the Discovery Creek Property

Sample No	UTM_E (m)	UTM_N (m)	Elev (m)	Sampler	Moisture	Colour	Composition	Depth(cm)	Organics (%)	Rocks (%)	Slope (degrees)	Direction	Comments
20110905	385007	6881693	1163	GS	saturated	brown/grey	silt/sand	24	3	3	-4	N	Permafrost. Couldn't get past ash layer.
20110958	384969	6881052	1112	TD	moist	brown/tan	sand	0	3	0	4	SW	
20111016	384955	6880678	1131	AA	saturated	brown	sand/gravel	36	5	2	15	SW	
20111112	385041	6882314	1191	GS	moist	brown/tan	sand	31	2	2	5	N	
20111148	384984	6881308	1115	TD/AA	moist	brown	sand/gravel	35	5	0	32	NE	

Table All-1: List of soil samples (continued)

Assessment Report on the Discovery Creek Property

Appendix III

Certificate of analysis for soil samples



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

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Client: **Coast Mountain Geological**

620 - 650 W. Georgia St.
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Vancouver BC V6B 4N9 Canada

Submitted By: Gary Schellenberg

Receiving Lab: Canada-Whitehorse

Received: July 25, 2011

Report Date: August 16, 2011

Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI11000733.1

CLIENT JOB INFORMATION

Project: Charlotte Project
Shipment ID: CHAR11-013
P.O. Number
Number of Samples: 321

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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: Coast Mountain Geological
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9
Canada

CC: Bernie Dewonek
Peter Dadson
Nicola Struyk

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	319	Dry at 60C			WHI
SS80	319	Dry at 60C sieve 100g to -80 mesh			WHI
G601	305	Fire Assay fusion Au by ICP-ES	30	Completed	VAN
1DX2	284	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
RJSV	319	Saving all or part of Soil Reject			WHI

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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Project: Charlotte Project
Report Date: August 16, 2011

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CERTIFICATE OF ANALYSIS

WHI11000733.1

	Method Analyte Unit MDL	G6	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Au gm/t 0.005	Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
20110349	Soil	0.009	0.5	9.4	42.2	78	0.4	8.4	4.9	236	1.42	9.9	3.0	1.7	15	0.7	0.4	0.2	36	0.21	0.035
20110350	Soil	0.005	0.7	9.0	44.8	105	0.6	9.5	4.6	186	1.68	13.0	4.3	2.3	13	1.2	0.5	0.3	46	0.14	0.018
20110351	Soil	0.009	0.4	12.5	15.4	46	0.8	3.8	2.4	79	0.64	11.8	7.0	<0.1	13	1.3	0.3	0.1	17	0.10	0.050
20110352	Soil	0.019	0.7	13.0	68.3	131	0.9	8.3	4.2	162	1.74	88.4	28.5	1.7	15	0.9	1.3	0.2	42	0.17	0.038
20110353	Soil	0.177	0.5	58.3	339.5	269	9.4	8.8	3.2	173	1.53	411.8	195.5	1.3	38	4.2	7.6	2.1	28	0.27	0.095
20110354	Soil	0.090	0.9	34.1	55.5	86	3.3	7.1	3.5	137	1.52	37.5	92.2	1.1	21	0.4	1.1	3.4	33	0.19	0.061
20110355	Soil	0.023	0.3	20.8	14.2	45	0.8	4.6	2.2	71	0.91	6.7	23.8	0.9	17	1.2	0.4	1.2	26	0.17	0.055
20110356	Soil	0.021	0.4	17.9	15.7	56	0.8	5.4	2.6	97	1.05	6.5	25.6	1.5	17	1.1	0.5	1.6	31	0.17	0.041
20110357	Soil	0.331	1.1	26.5	104.4	132	3.7	7.0	7.7	291	2.62	92.2	135.4	1.4	18	1.1	2.0	12.4	39	0.15	0.052
20110358	Soil	0.006	0.1	3.3	2.1	11	0.2	1.4	1.6	36	0.62	2.1	3.2	<0.1	8	<0.1	<0.1	0.2	23	0.09	0.036
20110359	Soil	0.006	0.3	5.5	11.2	17	0.3	1.4	1.8	40	0.70	3.5	6.2	0.3	9	<0.1	0.2	0.4	20	0.12	0.047
20110360	Soil	0.047	1.8	22.4	33.2	77	0.6	6.1	11.5	324	3.11	22.7	66.4	8.0	13	0.5	1.5	3.2	47	0.10	0.054
20110361	Soil	0.029	0.8	17.6	72.0	64	0.4	8.6	4.3	158	2.03	12.5	14.8	3.2	10	0.3	0.7	2.4	43	0.10	0.022
20110362	Soil	0.020	1.0	38.1	14.9	76	0.4	10.7	7.3	285	2.61	15.7	14.3	5.1	14	0.4	5.2	2.3	45	0.21	0.042
20110363	Soil	<0.005	1.8	15.1	9.0	22	0.2	5.7	3.5	111	2.20	14.0	8.1	1.5	15	0.1	1.6	1.0	56	0.09	0.043
20110364	Soil	0.006	5.1	78.4	10.4	23	0.3	7.8	5.1	240	3.13	8.8	1.8	3.7	34	0.1	0.5	2.7	50	0.11	0.061
20110365	Soil	0.021	1.5	29.5	54.5	23	0.5	3.1	2.5	37	1.74	13.4	18.1	0.3	26	<0.1	2.4	4.3	26	0.07	0.053
20110366	Soil	0.018	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110367	Soil	0.016	1.5	56.4	22.2	37	1.2	5.4	3.3	100	2.11	24.8	12.1	1.1	19	0.1	6.8	17.3	43	0.07	0.055
20110368	Soil	<0.005	0.8	21.7	14.2	17	0.8	3.7	2.2	49	1.02	8.9	4.2	0.3	15	<0.1	2.1	6.6	23	0.09	0.034
20110369	Soil	<0.005	0.1	5.4	1.4	12	<0.1	1.8	2.3	52	0.85	1.4	<0.5	<0.1	10	<0.1	0.1	0.3	31	0.05	0.023
20110370	Soil	<0.005	0.5	14.5	7.6	18	0.3	3.9	1.9	52	0.76	7.7	5.7	0.2	7	<0.1	1.1	2.7	24	0.07	0.019
20110371	Soil	0.018	1.0	62.1	19.4	43	0.4	9.5	5.6	155	2.06	19.0	10.0	2.1	13	0.2	2.8	12.0	45	0.12	0.038
20110372	Soil	0.021	2.5	93.1	45.7	50	0.9	8.2	5.2	112	2.37	56.2	17.0	3.2	24	0.3	10.9	48.3	32	0.13	0.058
20110373	Soil	0.013	2.0	114.1	18.9	43	0.3	9.7	6.6	166	2.37	22.7	13.3	5.4	20	0.3	5.0	6.9	31	0.18	0.063
20110374	Soil	0.010	2.8	50.6	19.5	47	0.3	11.0	6.2	137	2.52	11.9	14.7	2.2	26	0.2	1.1	0.9	37	0.17	0.058
20110375	Soil	<0.005	2.4	51.4	11.4	37	0.1	9.7	5.5	136	2.15	11.5	9.7	1.9	18	0.2	1.0	0.6	40	0.14	0.044
20110376	Soil	0.111	0.6	18.1	67.7	102	2.8	6.4	5.3	217	2.19	63.0	197.8	2.5	16	0.8	1.5	8.3	32	0.17	0.037
20110377	Soil	0.080	0.5	16.2	56.4	95	2.4	7.1	4.6	193	2.03	53.4	271.3	3.5	16	0.8	1.2	7.2	32	0.17	0.038
20110378	Soil	<0.005	0.3	4.8	2.7	14	0.1	2.4	2.5	48	0.97	1.0	1.0	<0.1	8	<0.1	<0.1	0.2	38	0.04	0.018



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Project: Charlotte Project
Report Date: August 16, 2011

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
20110349	Soil	7	14	0.27	73	0.042	1	0.89	0.011	0.05	0.2	0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
20110350	Soil	8	20	0.35	76	0.060	<1	1.08	0.008	0.05	0.2	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
20110351	Soil	5	7	0.09	65	0.016	3	0.65	0.020	0.03	<0.1	0.04	0.5	<0.1	<0.05	2	1.0	<0.2
20110352	Soil	8	15	0.25	108	0.036	2	0.96	0.011	0.05	0.2	0.03	1.4	<0.1	<0.05	4	<0.5	<0.2
20110353	Soil	15	14	0.19	206	0.017	2	1.24	0.019	0.06	0.1	0.13	2.1	0.2	<0.05	3	0.8	<0.2
20110354	Soil	10	14	0.29	87	0.027	1	1.04	0.010	0.05	0.2	0.08	1.9	0.2	<0.05	3	<0.5	<0.2
20110355	Soil	11	9	0.14	76	0.037	<1	0.57	0.016	0.03	<0.1	0.04	1.6	<0.1	<0.05	3	<0.5	<0.2
20110356	Soil	11	11	0.18	85	0.046	1	0.68	0.014	0.04	0.1	0.03	1.8	0.1	<0.05	3	<0.5	<0.2
20110357	Soil	14	10	0.20	98	0.028	<1	0.74	0.013	0.11	0.1	0.03	1.5	0.2	<0.05	3	<0.5	0.3
20110358	Soil	2	3	0.04	21	0.030	<1	0.22	0.024	0.02	<0.1	<0.01	0.3	<0.1	<0.05	1	<0.5	<0.2
20110359	Soil	3	3	0.06	25	0.026	<1	0.28	0.022	0.03	<0.1	0.02	0.4	<0.1	<0.05	1	<0.5	<0.2
20110360	Soil	23	11	0.21	130	0.026	2	1.08	0.008	0.05	0.1	0.05	3.6	0.1	<0.05	4	0.8	0.3
20110361	Soil	9	17	0.24	67	0.031	<1	0.98	0.006	0.05	0.2	0.03	1.8	<0.1	<0.05	4	<0.5	0.2
20110362	Soil	12	18	0.31	102	0.043	<1	0.93	0.008	0.05	0.2	0.03	2.9	<0.1	<0.05	4	<0.5	<0.2
20110363	Soil	8	15	0.18	112	0.036	<1	1.12	0.010	0.04	0.2	0.02	1.2	0.1	<0.05	6	<0.5	<0.2
20110364	Soil	11	21	0.32	188	0.038	<1	1.35	0.065	0.13	1.4	0.02	1.6	0.2	0.27	6	0.6	<0.2
20110365	Soil	4	5	0.07	142	0.011	<1	0.44	0.017	0.08	<0.1	0.08	0.3	0.1	0.08	2	0.5	0.4
20110366	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110367	Soil	5	11	0.12	108	0.035	2	0.65	0.014	0.08	0.1	0.06	0.7	0.1	<0.05	3	0.6	1.3
20110368	Soil	3	6	0.09	70	0.028	<1	0.34	0.016	0.06	<0.1	0.07	0.7	<0.1	<0.05	2	<0.5	0.3
20110369	Soil	<1	4	0.03	25	0.036	<1	0.27	0.024	0.03	<0.1	0.02	0.3	<0.1	<0.05	2	0.6	<0.2
20110370	Soil	4	10	0.12	48	0.028	<1	0.46	0.011	0.04	<0.1	0.03	0.6	<0.1	<0.05	3	<0.5	<0.2
20110371	Soil	8	18	0.28	128	0.042	<1	1.24	0.012	0.07	0.1	0.04	1.8	0.1	<0.05	4	<0.5	0.9
20110372	Soil	12	16	0.25	273	0.022	2	0.94	0.009	0.11	0.3	0.08	2.1	0.3	<0.05	3	<0.5	2.8
20110373	Soil	13	15	0.28	159	0.038	<1	0.89	0.009	0.08	0.2	0.03	2.2	0.2	<0.05	3	<0.5	0.6
20110374	Soil	9	18	0.33	206	0.038	<1	1.15	0.025	0.08	0.3	0.03	1.8	0.1	0.10	4	<0.5	<0.2
20110375	Soil	9	18	0.28	167	0.039	<1	0.98	0.016	0.06	0.2	0.03	1.7	<0.1	0.05	4	<0.5	<0.2
20110376	Soil	11	11	0.23	73	0.031	<1	0.67	0.009	0.08	0.1	0.02	1.5	<0.1	0.06	3	<0.5	<0.2
20110377	Soil	11	12	0.25	70	0.039	<1	0.66	0.009	0.07	0.1	0.02	1.6	<0.1	<0.05	2	<0.5	0.2
20110378	Soil	<1	5	0.04	13	0.040	<1	0.16	0.019	0.01	<0.1	0.02	0.2	<0.1	<0.05	1	<0.5	<0.2



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	Method Analyte Unit MDL	G6	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
20110379	Soil	0.040	1.4	36.2	32.8	35	0.6	7.1	4.1	111	2.35	22.0	50.9	2.5	28	<0.1	1.6	4.3	38	0.16	0.059
20110381	Soil	<0.005	0.3	12.9	13.8	15	1.4	2.1	4.3	177	0.48	2.6	5.6	<0.1	27	2.4	0.3	0.1	15	0.44	0.042
20110382	Soil	<0.005	0.2	2.8	3.5	13	0.3	1.6	1.4	33	0.46	1.0	1.8	<0.1	9	0.2	<0.1	<0.1	17	0.08	0.023
20110383	Soil	0.008	0.8	10.4	17.5	130	0.4	9.4	4.9	202	2.10	19.7	5.3	2.3	11	1.4	0.4	0.4	59	0.15	0.025
20110384	Soil	<0.005	0.4	10.2	29.2	46	0.6	3.6	2.3	94	0.96	4.9	14.2	0.4	10	0.4	0.3	0.2	24	0.09	0.031
20110385	Soil	0.045	0.3	19.9	20.5	75	1.3	2.9	3.1	140	1.04	11.1	18.9	0.8	11	0.8	0.7	1.7	30	0.13	0.045
20110386	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110387	Soil	0.107	0.9	107.6	52.0	62	10.9	8.3	4.8	130	1.91	18.7	111.0	0.8	34	0.5	1.2	12.7	32	0.20	0.064
20110388	Soil	0.006	0.2	10.4	3.6	17	0.5	2.4	2.7	65	1.04	2.5	6.7	0.1	9	0.1	0.1	0.5	36	0.06	0.017
20110389	Soil	<0.005	0.2	4.3	2.6	17	0.2	3.1	3.2	66	1.23	0.8	1.8	0.2	8	<0.1	<0.1	0.2	49	0.04	0.007
20110390	Soil	<0.005	0.5	11.6	4.6	20	0.2	3.4	2.8	59	1.17	3.1	4.2	0.2	10	0.1	0.3	0.5	38	0.06	0.019
20110391	Soil	<0.005	0.1	5.3	2.5	11	0.4	1.5	2.0	38	0.67	1.9	2.6	0.7	7	<0.1	0.1	0.2	19	0.03	0.007
20110392	Soil	0.013	1.5	34.3	20.9	48	0.4	8.8	5.3	151	2.38	13.4	6.9	2.8	20	0.3	1.7	4.5	51	0.12	0.033
20110393	Soil	0.047	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110394	Soil	0.023	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110395	Soil	<0.005	3.1	28.7	15.5	30	0.4	8.4	5.7	350	3.42	12.2	34.8	3.4	20	0.1	0.6	2.3	67	0.08	0.061
20110396	Soil	0.006	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110397	Soil	0.010	1.5	29.4	17.2	30	0.2	8.7	4.2	126	2.62	24.3	68.2	1.1	40	0.1	3.5	6.4	45	0.09	0.069
20110398	Soil	0.009	1.2	18.8	15.2	33	0.1	9.9	4.8	155	2.77	20.5	8.1	1.4	24	0.1	2.1	3.7	58	0.11	0.063
20110399	Soil	<0.005	1.3	24.8	14.7	25	0.4	5.9	2.6	92	1.68	12.8	9.1	0.3	13	<0.1	1.7	5.2	55	0.10	0.038
20110400	Soil	<0.005	0.7	53.2	5.2	17	0.3	4.5	2.1	50	0.95	5.8	7.5	<0.1	11	0.2	0.7	4.2	27	0.08	0.025
20110401	Soil	0.007	1.1	45.3	12.0	40	0.3	10.7	4.8	139	1.96	29.0	4.7	0.3	18	0.2	1.7	6.3	44	0.16	0.042
20110402	Soil	0.087	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110403	Soil	0.148	1.8	69.5	23.7	64	0.5	10.1	5.8	166	2.87	75.0	93.8	5.8	38	0.3	12.2	50.4	34	0.19	0.067
20110404	Soil	0.028	1.1	69.4	33.2	51	0.6	9.8	5.3	173	2.23	66.9	51.9	1.9	24	0.2	6.9	24.7	37	0.17	0.061
20110405	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110406	Soil	0.026	1.7	23.2	19.6	45	0.3	10.4	5.4	199	2.58	37.5	25.9	5.5	25	0.1	2.5	14.5	44	0.18	0.062
20110407	Soil	0.034	3.7	93.0	28.0	47	0.7	10.7	8.3	179	3.14	45.7	36.3	3.9	30	0.2	8.7	14.9	34	0.16	0.082
20110408	Soil	0.028	1.2	28.1	13.7	32	0.2	10.7	5.1	139	2.31	14.3	12.3	1.9	21	0.1	1.0	9.0	43	0.17	0.047



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
20110379	Soil	11	15	0.26	140	0.032	<1	0.83	0.034	0.10	1.5	0.03	1.3	0.1	0.16	3	<0.5	0.3
20110381	Soil	8	4	0.05	55	0.015	<1	0.43	0.030	0.02	<0.1	0.05	0.5	<0.1	<0.05	2	<0.5	<0.2
20110382	Soil	1	4	0.05	18	0.022	<1	0.20	0.026	0.02	<0.1	0.03	0.3	<0.1	<0.05	1	<0.5	<0.2
20110383	Soil	9	19	0.36	58	0.074	1	1.11	0.009	0.06	0.2	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
20110384	Soil	4	7	0.12	40	0.030	<1	0.58	0.020	0.03	<0.1	0.02	0.7	<0.1	<0.05	2	<0.5	<0.2
20110385	Soil	5	5	0.08	50	0.038	<1	0.42	0.025	0.03	<0.1	0.01	0.8	<0.1	<0.05	2	<0.5	<0.2
20110386	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110387	Soil	17	14	0.23	132	0.027	2	1.36	0.020	0.06	0.1	0.08	2.0	0.2	<0.05	4	<0.5	0.3
20110388	Soil	2	5	0.06	29	0.045	<1	0.26	0.021	0.02	<0.1	<0.01	0.4	<0.1	<0.05	2	<0.5	<0.2
20110389	Soil	<1	5	0.05	15	0.075	<1	0.17	0.026	0.03	<0.1	0.02	0.2	<0.1	<0.05	2	<0.5	<0.2
20110390	Soil	3	6	0.07	36	0.046	<1	0.37	0.027	0.04	<0.1	0.01	0.3	<0.1	<0.05	2	<0.5	<0.2
20110391	Soil	2	3	0.04	21	0.036	<1	0.27	0.025	0.03	<0.1	<0.01	0.3	<0.1	<0.05	1	<0.5	<0.2
20110392	Soil	11	15	0.22	118	0.053	2	0.85	0.018	0.07	0.2	0.02	1.7	0.1	<0.05	4	<0.5	<0.2
20110393	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110394	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110395	Soil	9	22	0.27	162	0.070	<1	1.28	0.031	0.13	0.2	0.03	1.8	0.1	0.21	7	0.8	<0.2
20110396	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110397	Soil	6	19	0.25	137	0.043	<1	1.16	0.024	0.08	0.1	0.02	1.3	0.1	0.12	4	<0.5	0.4
20110398	Soil	6	23	0.32	105	0.068	1	1.09	0.016	0.07	0.2	0.02	1.5	<0.1	0.05	6	<0.5	<0.2
20110399	Soil	8	15	0.18	63	0.058	<1	0.76	0.010	0.05	0.1	0.01	0.8	<0.1	<0.05	6	<0.5	0.2
20110400	Soil	4	9	0.09	53	0.024	<1	0.43	0.017	0.03	<0.1	0.02	0.3	<0.1	<0.05	3	<0.5	0.5
20110401	Soil	8	17	0.26	172	0.045	<1	1.01	0.022	0.07	0.2	0.02	0.9	0.2	<0.05	4	<0.5	0.4
20110402	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110403	Soil	13	16	0.30	122	0.056	<1	0.72	0.012	0.09	0.1	0.04	1.9	0.2	0.06	2	<0.5	1.1
20110404	Soil	10	16	0.26	92	0.063	<1	0.81	0.018	0.07	0.2	0.04	1.6	0.2	<0.05	3	<0.5	0.9
20110405	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110406	Soil	13	20	0.33	132	0.050	<1	0.91	0.013	0.09	0.3	<0.01	1.9	0.1	0.06	3	<0.5	0.8
20110407	Soil	14	18	0.28	344	0.030	<1	1.02	0.015	0.10	0.1	0.06	2.4	0.2	0.12	3	0.5	1.7
20110408	Soil	10	24	0.32	140	0.045	<1	1.51	0.011	0.07	0.2	0.03	2.0	0.2	<0.05	5	<0.5	0.3



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		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
20110409	Soil	0.012	4.6	70.4	34.8	54	0.5	8.9	4.8	114	2.15	12.7	30.1	0.9	18	0.3	1.8	1.6	39	0.14	0.060
20110410	Soil	<0.005	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110411	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110412	Soil	0.007	0.8	30.0	10.3	35	0.4	8.8	4.3	129	1.88	12.3	13.4	2.2	19	0.1	0.9	2.2	39	0.17	0.059
20110415	Soil	0.012	0.8	15.0	20.1	146	0.7	6.0	4.7	188	1.42	16.8	12.6	0.8	14	2.5	0.4	0.5	39	0.15	0.039
20110416	Soil	0.049	0.7	13.5	19.3	125	0.3	9.6	4.8	188	1.96	18.0	55.7	2.7	15	1.6	0.7	0.7	51	0.21	0.041
20110423	Soil	0.026	0.7	27.1	30.4	32	1.3	6.7	5.7	204	1.75	8.7	19.7	1.6	19	0.3	0.6	2.0	45	0.15	0.035
20110424	Soil	0.036	2.2	71.4	42.6	68	0.6	11.7	8.4	253	4.28	36.8	39.6	9.2	29	0.3	8.0	14.3	48	0.17	0.064
20110425	Soil	0.012	1.5	32.9	19.4	31	0.4	6.4	3.3	108	2.55	14.5	11.7	4.5	25	0.1	1.4	7.6	42	0.09	0.034
20110426	Soil	0.031	2.2	43.1	30.0	32	0.4	7.9	3.8	85	3.28	15.1	21.1	2.7	26	0.1	1.9	4.5	49	0.08	0.068
20110427	Soil	0.053	2.1	58.0	20.3	38	0.2	5.1	3.2	72	2.92	12.5	49.6	4.1	15	0.1	1.6	6.8	35	0.07	0.058
20110428	Soil	0.037	4.0	94.6	27.1	43	0.6	6.6	4.0	64	5.46	48.0	29.1	5.1	54	<0.1	22.0	20.6	30	0.06	0.123
20110429	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110430	Soil	0.256	4.5	74.6	71.5	49	0.7	7.0	4.2	156	3.76	35.1	49.9	6.6	45	0.2	11.5	13.3	21	0.12	0.080
20110431	Soil	0.096	4.3	323.0	58.9	65	1.1	5.5	4.7	175	3.45	61.1	52.7	5.8	34	0.2	11.9	61.8	18	0.11	0.078
20110432	Soil	0.038	1.4	21.6	17.7	40	0.3	11.8	6.2	265	2.61	12.3	15.1	3.5	17	0.1	1.3	3.0	46	0.15	0.060
20110433	Soil	0.061	1.7	391.4	20.6	37	0.6	8.2	4.3	133	2.70	35.7	45.7	4.1	16	0.3	4.4	55.2	28	0.13	0.058
20110434	Soil	0.025	1.8	138.4	33.6	62	0.5	13.6	7.7	277	3.15	36.0	23.0	4.3	27	0.2	8.4	53.1	43	0.19	0.055
20110435	Soil	0.023	2.0	217.1	62.6	79	0.7	10.1	6.5	205	3.23	57.5	28.9	8.5	32	0.2	6.3	74.1	30	0.20	0.081
20110436	Soil	0.013	1.3	41.3	15.5	45	0.3	12.3	6.1	185	2.22	25.6	48.0	3.6	17	0.1	2.1	11.3	37	0.20	0.053
20110437	Soil	0.046	1.3	20.2	13.4	26	0.3	5.2	2.7	107	2.21	23.6	6.7	1.9	9	<0.1	1.1	7.9	72	0.07	0.031
20110438	Soil	0.059	2.3	117.5	55.5	93	0.6	9.2	18.8	876	3.04	198.9	85.0	3.4	13	0.4	10.1	44.9	33	0.14	0.063
20110439	Soil	0.066	4.0	65.7	32.3	50	2.1	12.8	8.0	268	3.26	57.0	80.2	3.8	33	0.2	5.1	23.5	40	0.13	0.093
20110440	Soil	0.162	4.2	67.9	33.0	49	2.1	13.7	7.7	237	3.35	57.3	71.4	3.5	34	0.2	5.4	23.5	43	0.14	0.101



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
20110409	Soil	8	15	0.26	113	0.036	<1	1.05	0.019	0.06	0.1	0.03	1.3	0.1	<0.05	3	<0.5	0.2
20110410	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110411	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110412	Soil	11	18	0.36	111	0.052	1	1.14	0.015	0.07	0.3	0.02	1.9	0.1	<0.05	4	<0.5	<0.2
20110415	Soil	6	13	0.25	55	0.054	<1	0.90	0.017	0.04	0.2	0.01	1.3	0.1	<0.05	4	<0.5	<0.2
20110416	Soil	11	19	0.36	82	0.071	1	1.04	0.012	0.06	0.2	<0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
20110423	Soil	12	15	0.21	100	0.048	<1	1.19	0.009	0.05	0.1	0.03	1.9	0.1	<0.05	5	<0.5	<0.2
20110424	Soil	16	22	0.37	169	0.033	<1	1.75	0.011	0.11	0.2	0.04	2.9	0.2	<0.05	5	0.6	0.6
20110425	Soil	11	17	0.31	130	0.034	<1	0.94	0.020	0.10	0.2	<0.01	1.6	0.2	<0.05	5	<0.5	0.2
20110426	Soil	13	14	0.18	151	0.034	<1	0.79	0.021	0.12	0.1	0.02	1.2	0.2	0.08	4	0.6	0.3
20110427	Soil	18	9	0.19	92	0.025	<1	0.75	0.013	0.07	0.1	0.01	1.1	0.2	<0.05	3	0.8	0.8
20110428	Soil	22	10	0.08	362	0.008	<1	0.66	0.015	0.28	0.1	0.04	1.8	0.3	0.55	3	0.7	0.7
20110429	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110430	Soil	13	11	0.19	369	0.017	<1	0.81	0.018	0.37	0.1	0.03	1.3	0.4	0.68	3	1.5	0.8
20110431	Soil	18	9	0.15	333	0.007	<1	0.85	0.007	0.12	0.1	0.05	1.2	0.2	0.14	2	0.5	5.8
20110432	Soil	10	22	0.30	87	0.066	<1	1.17	0.010	0.08	0.2	0.02	1.7	<0.1	<0.05	4	0.8	0.2
20110433	Soil	14	11	0.15	144	0.019	<1	0.75	0.013	0.05	<0.1	0.04	1.5	<0.1	<0.05	2	<0.5	4.4
20110434	Soil	11	21	0.36	109	0.057	2	1.20	0.009	0.09	0.1	0.03	2.1	0.1	<0.05	4	<0.5	2.2
20110435	Soil	14	14	0.22	103	0.038	<1	0.59	0.008	0.07	0.1	0.02	1.8	0.2	<0.05	2	0.7	3.1
20110436	Soil	10	21	0.34	91	0.059	<1	1.04	0.011	0.07	0.1	0.02	2.0	0.1	<0.05	3	<0.5	0.5
20110437	Soil	6	14	0.12	32	0.109	<1	0.69	0.006	0.05	0.2	0.01	1.1	<0.1	<0.05	8	<0.5	0.3
20110438	Soil	16	15	0.18	371	0.037	<1	0.63	0.007	0.07	0.2	<0.01	1.4	0.4	<0.05	3	0.6	1.3
20110439	Soil	19	24	0.29	333	0.006	1	1.77	0.007	0.11	0.2	0.21	2.6	0.5	<0.05	5	0.5	1.2
20110440	Soil	20	25	0.29	339	0.006	<1	1.81	0.007	0.11	0.1	0.21	2.5	0.5	<0.05	5	0.5	1.4



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	Method Analyte Unit MDL	G6 Au gm/t 0.005	1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001
20110441	Soil	0.038	2.1	65.9	16.8	47	0.9	12.0	6.8	199	2.62	52.3	33.2	3.4	19	0.1	6.3	13.6	35	0.18	0.057
20110442	Soil	0.044	3.8	397.9	101.9	79	2.1	9.7	16.2	876	3.96	142.6	42.9	2.9	25	0.3	54.8	57.3	37	0.13	0.092
20110443	Soil	0.018	2.3	31.2	19.8	33	0.3	8.9	5.5	222	2.20	18.5	192.9	1.8	21	0.2	2.1	2.3	40	0.15	0.057
20110444	Soil	<0.005	0.7	7.6	4.9	24	<0.1	6.2	3.1	96	1.39	6.1	1.4	3.0	12	<0.1	0.7	<0.1	35	0.20	0.055
20110445	Soil	0.029	1.0	19.6	17.9	29	0.5	7.3	3.3	100	1.42	12.2	22.1	0.8	23	<0.1	0.9	0.9	36	0.20	0.057
20110446	Soil	0.008	23.4	41.2	62.8	35	1.3	7.3	2.9	80	2.47	31.2	14.4	3.2	32	<0.1	12.1	5.1	39	0.15	0.054
20110447	Soil	0.007	13.4	62.7	15.7	16	1.1	5.5	2.7	29	2.31	11.1	12.0	0.3	32	<0.1	4.7	0.9	17	0.18	0.106
20110448	Soil	<0.005	6.7	31.6	4.3	7	0.8	3.0	1.1	23	1.44	5.4	8.8	0.3	17	<0.1	2.0	0.3	14	0.10	0.060
20110449	Soil	0.019	32.0	69.7	34.0	18	3.3	5.5	2.7	62	3.18	21.7	29.7	0.5	39	<0.1	5.5	2.9	35	0.17	0.105
20110450	Soil	0.027	52.0	95.9	48.2	43	1.2	8.5	3.8	103	3.03	30.4	46.1	4.4	58	<0.1	10.7	4.3	40	0.17	0.068
20110451	Soil	I.S.	10.9	175.8	5.5	26	1.6	4.3	2.1	46	0.46	6.4	27.2	0.2	52	0.5	4.8	0.1	6	0.43	0.175
20110452	Soil	<0.005	17.2	133.0	9.5	22	1.1	8.6	3.2	81	1.62	4.7	20.7	0.4	36	0.1	0.6	0.6	25	0.14	0.085
20110453	Soil	<0.005	1.1	16.5	15.5	36	0.5	9.7	3.6	114	2.13	8.2	27.0	2.8	26	0.1	0.8	1.6	55	0.19	0.025
20110454	Soil	0.031	3.5	37.2	30.7	37	1.2	6.6	3.4	68	3.45	26.4	47.8	0.9	106	0.2	4.9	14.3	22	0.13	0.126
20110455	Soil	0.023	2.4	24.3	18.5	27	0.4	10.7	3.1	98	4.62	22.1	16.3	6.0	76	0.1	2.4	4.2	48	0.09	0.078
20110456	Soil	0.038	4.2	107.4	63.4	62	0.6	11.9	4.0	103	3.88	42.6	40.4	1.8	54	0.2	12.1	15.1	36	0.08	0.090
20110458	Soil	0.059	3.3	157.5	29.9	77	0.7	11.9	9.0	329	3.19	73.0	46.7	5.8	51	0.3	21.8	30.4	28	0.17	0.075
20110459	Soil	0.154	6.5	794.2	46.2	109	1.4	9.8	13.2	528	5.77	114.1	216.2	14.6	27	0.5	16.8	138.4	18	0.09	0.120
20110460	Soil	0.056	2.0	127.8	30.8	142	0.4	12.9	9.9	454	3.80	104.5	47.1	1.5	30	0.6	3.5	22.6	46	0.14	0.068
20110461	Soil	0.049	1.8	115.3	28.9	129	0.4	11.5	8.0	335	3.19	99.3	70.9	1.5	26	0.5	3.1	21.4	44	0.13	0.062
20110462	Soil	0.117	3.3	522.2	23.0	91	1.3	9.9	6.1	205	6.63	103.5	105.0	13.4	39	0.4	14.6	266.1	22	0.09	0.096
20110464	Soil	0.219	3.8	186.8	295.8	85	4.5	6.3	4.9	183	3.93	263.6	243.9	6.1	17	0.3	22.8	181.3	28	0.05	0.065
20110465	Soil	0.018	0.9	58.8	16.0	28	0.9	4.0	3.2	138	1.21	55.2	19.2	0.5	12	0.3	2.0	11.4	19	0.06	0.042
20110466	Soil	0.072	1.6	98.4	45.4	112	0.9	10.7	7.1	224	2.77	101.4	33.2	6.0	12	0.6	5.2	14.6	32	0.13	0.068
20110467	Soil	0.078	1.7	64.1	60.1	98	2.1	9.7	6.4	308	2.33	155.4	38.3	2.2	13	0.5	7.4	27.2	33	0.15	0.054
20110468	Soil	0.082	6.7	360.9	63.0	148	1.0	12.3	38.6	2129	5.31	173.7	113.2	3.4	31	0.4	68.5	59.7	31	0.08	0.127
20110469	Soil	0.026	1.2	130.6	25.3	46	2.4	5.9	4.7	142	2.24	29.0	25.2	0.8	16	0.2	7.7	13.7	56	0.18	0.089
20110470	Soil	0.013	4.4	44.6	9.8	28	0.4	7.4	3.8	125	2.73	23.2	9.0	0.9	27	0.2	3.4	2.1	38	0.22	0.058
20110471	Soil	<0.005	2.2	24.4	1.1	6	0.5	2.2	1.2	22	1.47	4.9	6.6	<0.1	14	<0.1	1.3	0.7	13	0.07	0.053
20110472	Soil	0.014	7.0	31.2	26.6	30	1.1	7.7	3.2	87	1.83	15.5	11.3	1.6	22	0.1	4.5	5.7	30	0.16	0.052



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
20110441	Soil	17	20	0.28	136	0.019	<1	1.14	0.008	0.08	0.2	0.09	1.9	0.3	<0.05	3	<0.5	0.7
20110442	Soil	16	19	0.18	85	0.024	<1	0.88	0.009	0.09	0.2	0.12	1.5	0.3	<0.05	4	1.6	3.2
20110443	Soil	10	18	0.21	110	0.041	1	0.69	0.012	0.09	0.3	0.04	1.3	0.1	0.11	4	0.5	0.3
20110444	Soil	10	13	0.20	56	0.039	<1	0.54	0.010	0.05	0.2	<0.01	1.0	<0.1	<0.05	2	<0.5	<0.2
20110445	Soil	10	21	0.31	91	0.036	<1	1.22	0.009	0.06	0.2	0.06	1.4	0.1	0.05	4	0.7	<0.2
20110446	Soil	16	20	0.31	224	0.048	<1	1.31	0.008	0.08	0.8	0.06	1.8	0.2	<0.05	5	0.8	0.3
20110447	Soil	10	11	0.09	245	0.015	<1	0.71	0.014	0.04	0.4	0.10	1.1	0.1	0.10	2	1.7	<0.2
20110448	Soil	4	7	0.04	125	0.011	<1	0.35	0.026	0.03	0.2	0.04	0.9	<0.1	<0.05	<1	1.1	<0.2
20110449	Soil	11	11	0.16	327	0.022	<1	0.92	0.018	0.05	0.3	0.16	1.2	0.2	0.10	3	2.1	0.6
20110450	Soil	17	22	0.40	253	0.034	<1	1.65	0.024	0.16	0.7	0.10	2.3	0.2	0.18	5	1.5	<0.2
20110451	Soil	8	9	0.07	353	0.010	<1	1.04	0.017	0.03	<0.1	0.16	1.2	<0.1	0.32	<1	2.8	<0.2
20110452	Soil	8	16	0.19	89	0.027	<1	1.18	0.026	0.06	0.2	0.09	1.0	0.1	<0.05	3	1.0	<0.2
20110453	Soil	10	20	0.27	146	0.065	<1	1.26	0.011	0.06	<0.1	0.02	1.9	0.2	<0.05	7	<0.5	<0.2
20110454	Soil	23	11	0.15	420	0.004	<1	1.21	0.023	0.20	0.1	0.11	0.9	0.3	0.28	3	1.2	0.4
20110455	Soil	23	23	0.19	190	0.064	<1	1.09	0.015	0.14	0.2	0.02	1.8	0.2	0.07	5	1.0	0.2
20110456	Soil	10	22	0.19	282	0.010	3	0.80	0.020	0.19	0.1	0.04	1.0	0.2	0.36	4	1.2	0.8
20110458	Soil	13	16	0.26	211	0.030	4	0.93	0.010	0.20	0.2	0.04	1.5	0.2	0.33	3	0.8	2.2
20110459	Soil	14	9	0.08	132	0.004	2	0.51	0.004	0.06	<0.1	0.07	1.8	0.1	0.10	1	1.4	11.1
20110460	Soil	10	22	0.26	99	0.029	2	1.13	0.008	0.06	0.1	0.03	1.5	0.2	0.06	4	0.6	1.8
20110461	Soil	10	18	0.23	95	0.029	2	1.05	0.008	0.05	0.1	0.03	1.3	0.1	0.05	4	0.6	1.7
20110462	Soil	13	12	0.12	134	0.008	3	0.60	0.008	0.12	<0.1	0.06	1.9	0.5	0.19	2	1.5	3.8
20110464	Soil	14	9	0.04	79	0.018	4	0.41	0.009	0.07	0.1	0.03	0.8	0.2	0.10	2	<0.5	7.9
20110465	Soil	4	6	0.05	85	0.019	2	0.46	0.023	0.04	<0.1	0.04	0.7	0.1	<0.05	2	<0.5	0.8
20110466	Soil	17	17	0.30	84	0.028	<1	0.85	0.006	0.05	0.2	0.05	2.0	0.2	<0.05	3	<0.5	0.6
20110467	Soil	10	18	0.29	105	0.016	2	0.86	0.007	0.06	0.2	0.07	1.2	0.2	<0.05	3	<0.5	0.9
20110468	Soil	24	15	0.10	153	0.008	1	0.73	0.006	0.08	0.2	0.09	1.5	0.2	0.10	3	1.1	6.8
20110469	Soil	6	10	0.09	73	0.050	2	0.45	0.015	0.03	<0.1	0.12	0.7	0.1	<0.05	3	0.6	0.8
20110470	Soil	9	14	0.26	229	0.026	1	0.95	0.011	0.04	0.3	0.07	1.4	0.1	0.07	3	0.8	0.2
20110471	Soil	3	4	0.03	82	0.011	<1	0.30	0.022	0.02	0.3	0.04	0.4	<0.1	0.06	<1	<0.5	<0.2
20110472	Soil	10	18	0.29	126	0.041	1	0.95	0.010	0.06	2.2	0.06	1.6	0.1	0.06	3	<0.5	0.4



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	Method Analyte Unit MDL	G6	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Au gm/t 0.005	Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
20110473	Soil	<0.005	0.4	8.3	0.4	5	0.1	1.1	0.8	17	0.32	0.5	4.5	<0.1	8	<0.1	0.3	0.2	8	0.05	0.026
20110474	Soil	0.016	17.2	47.7	28.3	33	1.2	6.7	3.4	127	1.68	17.8	16.9	1.0	33	0.1	6.4	6.7	24	0.10	0.045
20110476	Soil	0.044	10.4	42.7	51.8	25	2.1	6.3	2.0	52	1.14	13.9	43.9	0.3	32	0.1	7.1	5.8	20	0.09	0.045
20110477	Soil	0.084	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110478	Soil	0.028	20.9	63.8	82.3	66	1.8	9.1	3.5	125	2.05	38.5	23.9	2.2	35	<0.1	20.2	6.7	29	0.09	0.046
20110479	Soil	0.036	7.6	46.8	67.5	63	1.2	7.9	3.7	132	1.94	26.5	30.4	4.3	33	0.2	15.7	2.9	27	0.15	0.055
20110480	Soil	0.006	10.3	26.4	20.8	44	0.6	12.4	6.1	153	2.94	20.0	5.2	3.7	22	0.2	4.7	1.2	46	0.09	0.041
20110481	Soil	0.026	2.2	28.1	44.7	58	0.5	7.0	4.0	119	2.63	16.1	19.2	5.4	41	0.1	3.4	3.0	29	0.18	0.082
20110482	Soil	0.025	2.9	31.6	35.5	67	0.6	5.9	4.1	119	3.05	16.8	18.4	5.7	46	0.1	4.3	3.4	24	0.13	0.070
20110483	Soil	0.033	1.3	114.9	13.7	29	1.1	7.3	3.1	71	1.79	13.5	35.1	2.4	22	<0.1	1.2	21.6	22	0.11	0.057
20110484	Soil	0.015	3.1	128.0	41.7	59	1.4	8.3	14.8	919	4.00	40.1	10.2	2.1	17	0.4	3.4	20.6	43	0.18	0.078
20110485	Soil	0.038	3.5	131.2	53.1	89	1.4	7.3	13.1	501	3.81	50.5	12.8	3.0	28	0.2	4.3	14.3	23	0.11	0.084
20110486	Soil	0.051	1.7	30.6	20.6	39	0.3	7.4	4.2	116	2.44	22.6	21.1	2.3	30	0.2	1.9	5.1	39	0.15	0.069
20110487	Soil	0.044	1.4	30.9	12.5	33	0.4	6.6	3.3	83	2.41	19.8	18.5	2.3	21	<0.1	2.2	5.5	29	0.13	0.066
20110488	Soil	0.028	2.7	26.7	26.1	37	0.3	5.9	3.6	96	3.00	17.3	35.1	3.2	33	0.1	2.4	6.4	26	0.09	0.066
20110489	Soil	0.040	3.7	41.3	35.6	36	0.5	5.3	3.0	89	3.04	24.6	47.5	3.6	56	<0.1	4.0	19.8	22	0.12	0.065
20110490	Soil	0.079	2.3	34.3	40.6	48	0.9	13.0	5.9	164	3.14	24.6	72.0	4.9	57	0.1	3.9	29.5	41	0.13	0.069
20110491	Soil	0.045	2.8	18.5	16.0	34	0.2	9.8	4.6	189	3.04	21.5	27.6	4.6	37	0.2	3.0	7.3	33	0.09	0.068
20110492	Soil	0.038	1.3	23.9	11.9	31	0.1	5.3	3.3	117	1.94	13.3	17.4	2.5	27	<0.1	3.1	3.5	22	0.13	0.049
20110493	Soil	0.089	2.0	69.8	21.0	39	0.5	8.8	4.2	143	2.78	43.0	77.2	4.7	33	0.2	10.8	24.1	35	0.11	0.046
20110494	Soil	0.534	3.6	166.5	20.6	36	0.9	7.0	4.0	69	3.26	42.4	82.3	4.9	46	0.1	11.6	7.7	17	0.08	0.080
20110495	Soil	0.029	1.6	34.5	27.0	34	0.4	5.1	3.3	56	2.88	11.7	33.4	0.6	99	0.1	2.9	2.4	25	0.08	0.079
20110496	Soil	0.059	2.2	27.9	28.8	28	0.6	6.8	2.7	50	2.70	18.3	52.1	4.9	130	0.1	3.4	8.8	20	0.11	0.102
20110497	Soil	0.036	30.4	234.4	20.8	54	1.3	7.9	5.4	106	3.86	116.7	46.9	7.8	63	0.1	36.2	4.2	30	0.17	0.082
20110498	Soil	0.015	1.5	80.7	34.8	41	0.7	7.1	4.0	72	0.97	13.0	24.1	1.2	21	0.3	2.3	9.3	24	0.16	0.055
20110499	Soil	0.021	4.7	94.4	21.1	33	0.5	6.3	3.8	66	1.35	16.5	22.8	2.0	20	0.3	2.9	6.0	28	0.15	0.060
20110500	Soil	0.034	6.0	66.2	108.8	114	2.1	3.3	5.2	219	5.85	89.0	45.0	10.8	120	<0.1	23.7	13.3	15	0.03	0.158
20110501	Soil	0.050	1.1	69.9	5.7	18	5.9	3.9	1.8	39	0.96	5.1	30.4	0.2	15	0.1	1.4	4.9	14	0.12	0.100
20110502	Soil	0.070	3.6	216.0	32.8	53	0.7	8.6	21.3	614	3.82	84.5	86.6	3.4	21	0.2	9.6	15.1	29	0.13	0.079
20110503	Soil	0.059	2.7	160.2	49.5	47	1.7	6.8	4.9	220	2.70	59.6	34.0	4.0	21	0.1	13.7	38.5	30	0.17	0.080



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
20110473	Soil	1	<1	0.03	24	0.014	<1	0.12	0.024	0.02	<0.1	0.02	0.3	<0.1	<0.05	<1	<0.5
20110474	Soil	10	15	0.21	181	0.033	2	0.66	0.022	0.10	4.9	0.04	1.3	0.2	0.16	3	0.9
20110476	Soil	9	14	0.17	149	0.016	1	0.70	0.012	0.05	1.9	0.14	0.7	0.2	0.07	4	0.8
20110477	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110478	Soil	13	17	0.18	257	0.024	1	0.53	0.012	0.14	6.5	0.04	1.2	0.2	0.25	3	0.8
20110479	Soil	12	13	0.21	218	0.030	1	0.62	0.010	0.12	2.6	0.03	1.2	0.2	0.19	2	<0.5
20110480	Soil	10	26	0.34	169	0.047	2	1.67	0.016	0.11	0.3	0.04	2.1	0.1	0.11	5	<0.5
20110481	Soil	14	14	0.26	341	0.023	1	0.92	0.010	0.13	0.2	0.07	1.6	0.2	0.15	3	0.7
20110482	Soil	16	11	0.19	318	0.016	2	0.76	0.011	0.17	0.2	0.05	1.2	0.3	0.32	3	<0.5
20110483	Soil	8	14	0.21	121	0.026	<1	0.77	0.017	0.05	0.1	0.06	1.2	0.1	<0.05	3	0.7
20110484	Soil	11	17	0.28	97	0.022	1	0.94	0.007	0.05	0.1	0.05	1.4	0.1	<0.05	4	0.5
20110485	Soil	9	11	0.17	90	0.015	1	0.62	0.021	0.08	<0.1	0.02	0.9	0.1	0.18	3	1.6
20110486	Soil	12	16	0.28	117	0.025	<1	0.94	0.008	0.06	0.2	0.03	1.5	0.2	<0.05	4	0.6
20110487	Soil	10	14	0.24	112	0.019	<1	0.85	0.008	0.05	0.2	0.05	1.2	0.1	<0.05	3	0.6
20110488	Soil	13	12	0.19	175	0.011	1	0.84	0.012	0.07	0.1	0.05	1.2	0.2	<0.05	3	0.9
20110489	Soil	13	11	0.16	204	0.010	2	0.62	0.008	0.13	0.1	0.04	1.0	0.3	0.21	3	0.8
20110490	Soil	13	24	0.36	236	0.032	2	1.60	0.012	0.15	0.3	0.09	2.7	0.3	0.17	5	<0.5
20110491	Soil	13	18	0.23	210	0.039	4	0.79	0.014	0.20	0.2	0.03	1.3	0.3	0.33	4	0.5
20110492	Soil	9	9	0.15	129	0.022	1	0.50	0.014	0.11	<0.1	0.02	1.0	0.1	0.21	2	0.7
20110493	Soil	10	17	0.23	122	0.027	2	0.68	0.011	0.13	0.2	0.02	1.3	0.2	0.22	3	<0.5
20110494	Soil	15	9	0.12	366	0.005	<1	0.75	0.026	0.16	0.1	0.11	0.8	0.1	0.42	2	3.1
20110495	Soil	18	7	0.07	290	0.006	<1	0.63	0.021	0.12	<0.1	0.03	0.3	0.1	0.28	2	1.1
20110496	Soil	37	9	0.13	328	0.008	<1	1.02	0.013	0.09	0.1	0.07	1.3	0.2	0.14	2	1.2
20110497	Soil	18	13	0.20	210	0.022	1	0.66	0.031	0.24	0.3	0.09	2.2	0.3	0.46	2	2.5
20110498	Soil	12	15	0.23	261	0.017	<1	1.01	0.008	0.04	0.2	0.10	1.1	0.2	0.08	3	0.5
20110499	Soil	12	13	0.20	203	0.026	<1	0.84	0.010	0.04	0.3	0.07	1.4	0.1	0.06	3	0.7
20110500	Soil	21	6	0.05	124	0.003	1	0.45	0.017	0.60	0.3	0.10	1.1	0.6	1.29	2	2.7
20110501	Soil	9	13	0.11	150	0.009	<1	0.59	0.010	0.04	<0.1	0.17	0.5	0.2	0.18	2	1.1
20110502	Soil	16	15	0.21	71	0.013	<1	0.88	0.006	0.06	0.1	0.07	1.1	0.2	<0.05	3	1.5
20110503	Soil	15	13	0.20	191	0.014	<1	0.80	0.006	0.05	0.2	0.12	1.2	0.2	<0.05	3	<0.5



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		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
20110504	Soil	0.071	2.2	173.9	18.8	52	0.8	9.6	8.8	264	3.10	57.3	71.5	4.5	25	0.2	10.3	39.0	29	0.16	0.079
20110505	Soil	0.082	2.9	284.2	29.1	54	1.8	8.7	6.0	136	4.11	82.2	87.1	3.8	68	0.2	20.3	66.0	29	0.12	0.103
20110506	Soil	0.163	3.4	851.8	35.3	79	2.0	9.9	8.8	222	5.17	114.9	159.3	12.8	35	0.3	42.5	90.6	20	0.12	0.158
20110507	Soil	0.405	1.5	317.7	19.2	60	0.9	14.8	10.5	477	2.50	53.3	295.4	4.8	14	0.3	17.9	67.2	31	0.16	0.060
20110508	Soil	2.592	2.0	178.9	185.6	135	1.9	8.8	7.4	981	2.31	86.2	2308	7.9	18	0.8	4.2	39.7	24	0.14	0.052
20110509	Soil	0.027	0.9	53.5	10.0	45	0.2	14.9	7.5	247	2.46	16.3	11.9	5.3	29	0.2	1.6	8.6	43	0.16	0.053
20110510	Soil	0.194	3.6	145.5	38.5	135	0.6	6.4	7.5	246	4.39	55.6	72.4	12.0	78	0.2	7.3	21.2	18	0.07	0.088
20110511	Soil	0.034	3.0	123.1	163.5	78	1.0	3.1	3.4	88	5.23	73.9	35.7	5.5	62	0.1	20.6	8.0	24	0.05	0.142
20110512	Soil	0.024	17.2	117.0	16.9	70	0.7	10.5	21.1	107	1.89	17.2	21.9	4.3	33	0.2	3.4	5.4	38	0.22	0.061
20110513	Soil	0.005	9.9	327.5	56.1	108	0.6	8.4	26.3	854	5.85	30.9	8.1	9.6	72	0.4	3.5	2.8	28	0.14	0.104
20110514	Soil	0.018	5.7	98.4	15.6	33	0.4	6.6	4.8	68	1.27	14.4	38.3	2.3	23	0.3	2.3	4.5	27	0.17	0.057
20110515	Soil	0.018	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110516	Soil	0.032	1.5	185.1	84.0	53	1.2	7.7	4.9	176	2.16	23.8	19.2	3.5	20	0.2	5.8	16.7	28	0.14	0.065
20110517	Soil	0.073	2.2	299.0	26.4	72	0.9	9.9	6.8	277	3.36	60.3	102.9	5.4	14	0.2	8.2	34.0	31	0.14	0.080
20110518	Soil	0.067	2.5	389.4	53.6	96	1.1	11.0	12.1	489	3.53	77.5	61.4	6.9	16	0.3	10.4	47.0	32	0.16	0.083
20110519	Soil	0.094	2.0	286.3	45.3	99	1.2	11.6	7.8	290	3.29	58.1	349.3	4.7	17	0.5	10.6	37.7	32	0.16	0.080
20110520	Soil	0.192	1.8	492.9	120.5	76	3.1	10.9	6.2	403	2.88	102.4	402.8	2.7	19	0.8	5.4	76.6	32	0.16	0.082
20110521	Soil	0.030	1.4	76.4	17.8	52	0.7	13.0	6.1	203	2.62	24.2	31.3	3.4	21	0.2	3.3	21.7	43	0.17	0.045
20110526	Soil	0.009	3.5	60.7	17.4	29	0.4	6.5	4.6	69	1.25	7.4	12.0	1.9	24	0.1	2.0	4.2	35	0.16	0.055
20110527	Soil	0.014	5.1	67.9	18.2	33	0.5	5.3	3.7	76	1.25	15.5	32.9	1.7	25	0.2	2.4	4.3	28	0.19	0.062
20110528	Soil	0.317	7.8	102.6	15.9	37	0.5	7.2	4.1	83	1.51	16.6	21.1	3.8	30	0.2	2.7	5.3	32	0.19	0.063
20110529	Soil	0.046	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110530	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
20110531	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110532	Soil	0.016	1.3	46.2	22.7	42	0.8	7.2	7.4	369	2.16	17.8	11.3	2.3	14	0.3	1.2	4.9	35	0.16	0.063
20110533	Soil	0.047	2.8	167.4	48.8	118	1.1	6.1	8.0	494	2.50	119.3	42.1	1.2	19	0.3	6.5	37.4	20	0.16	0.066
20110534	Soil	0.048	2.1	143.9	29.7	69	1.0	6.6	6.6	328	2.59	149.4	38.9	2.1	12	0.5	4.0	31.9	35	0.10	0.061
20110535	Soil	0.015	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.



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Report Date: August 16, 2011

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
20110504	Soil	14	16	0.25	183	0.021	<1	0.95	0.007	0.08	0.1	0.06	1.4	0.1	0.09	3	0.6	1.3
20110505	Soil	15	14	0.18	283	0.016	1	1.03	0.013	0.17	0.1	0.11	1.5	0.3	0.29	3	1.5	2.7
20110506	Soil	21	11	0.14	202	0.011	<1	0.90	0.006	0.10	<0.1	0.13	2.1	0.2	0.14	2	2.1	4.5
20110507	Soil	16	16	0.26	106	0.030	<1	0.92	0.007	0.06	<0.1	0.04	1.5	0.1	<0.05	2	<0.5	2.2
20110508	Soil	14	11	0.19	253	0.019	<1	0.63	0.008	0.06	<0.1	0.02	1.8	<0.1	<0.05	2	0.8	4.6
20110509	Soil	11	23	0.39	142	0.052	<1	1.44	0.013	0.10	0.2	0.02	2.1	0.1	0.10	4	<0.5	0.4
20110510	Soil	20	6	0.11	273	0.006	<1	0.59	0.022	0.24	<0.1	0.03	1.0	0.3	0.58	1	0.8	1.8
20110511	Soil	18	6	0.16	398	0.007	<1	0.61	0.052	0.37	<0.1	0.05	1.4	0.4	0.89	3	2.6	0.5
20110512	Soil	13	16	0.31	203	0.044	<1	1.05	0.012	0.08	0.5	0.05	2.4	0.2	0.14	4	0.8	0.2
20110513	Soil	19	12	0.28	269	0.028	<1	0.85	0.072	0.38	0.2	0.02	2.8	0.3	0.68	3	1.7	<0.2
20110514	Soil	12	12	0.20	202	0.029	<1	0.80	0.011	0.04	0.4	0.04	1.5	0.1	0.17	3	0.6	<0.2
20110515	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110516	Soil	15	15	0.23	114	0.024	<1	0.99	0.008	0.06	0.2	0.08	1.4	0.1	<0.05	3	<0.5	0.5
20110517	Soil	13	16	0.27	76	0.025	<1	1.00	0.008	0.06	0.1	0.06	1.4	0.1	<0.05	3	1.1	0.9
20110518	Soil	14	15	0.26	81	0.023	<1	0.92	0.006	0.05	<0.1	0.04	1.7	0.2	<0.05	3	1.0	1.3
20110519	Soil	14	16	0.29	75	0.031	<1	0.89	0.009	0.06	0.1	0.03	1.8	0.1	0.05	3	0.6	1.3
20110520	Soil	15	18	0.24	93	0.030	<1	0.80	0.009	0.08	0.2	0.02	1.2	0.1	0.06	3	1.0	2.7
20110521	Soil	10	22	0.36	169	0.049	<1	1.40	0.012	0.08	0.2	0.03	1.9	0.1	<0.05	4	<0.5	1.0
20110526	Soil	10	13	0.17	168	0.049	2	0.73	0.012	0.04	0.3	0.05	1.3	0.1	0.11	3	<0.5	<0.2
20110527	Soil	12	14	0.23	193	0.029	<1	0.97	0.012	0.04	0.3	0.06	1.4	0.1	0.10	3	0.6	0.3
20110528	Soil	13	15	0.28	179	0.038	<1	0.97	0.010	0.06	0.5	0.03	1.8	0.1	<0.05	3	<0.5	0.5
20110529	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110530	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
20110531	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110532	Soil	13	17	0.25	103	0.030	<1	0.92	0.006	0.05	0.2	0.03	1.4	0.2	0.06	4	<0.5	<0.2
20110533	Soil	12	9	0.12	205	0.011	<1	0.61	0.015	0.06	<0.1	0.04	0.8	0.3	0.08	2	<0.5	0.7
20110534	Soil	11	10	0.10	93	0.025	<1	0.62	0.010	0.06	<0.1	0.01	1.1	0.2	0.06	2	<0.5	0.6
20110535	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.



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		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
20110536	Soil	0.068	2.5	386.3	62.9	77	1.4	14.5	6.0	172	3.72	36.4	59.4	2.9	28	0.2	3.4	19.3	42	0.16	0.113
20110537	Soil	0.012	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110538	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110539	Soil	0.009	11.6	41.5	7.4	25	0.5	7.1	2.9	80	1.60	7.9	9.0	2.2	36	<0.1	0.7	3.3	30	0.16	0.040
20110540	Soil	<0.005	0.2	4.4	0.6	10	<0.1	1.3	2.0	37	0.76	0.7	<0.5	<0.1	12	<0.1	<0.1	<0.1	26	0.11	0.037
20110541	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110542	Soil	0.007	3.4	35.9	11.6	25	0.4	6.0	2.6	75	1.11	9.1	6.5	1.4	18	<0.1	1.8	2.1	23	0.18	0.042
20110543	Soil	0.008	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110544	Soil	0.010	0.4	35.7	5.4	26	1.2	2.9	8.3	313	1.78	12.5	6.1	0.7	11	<0.1	1.1	2.9	56	0.15	0.058
20110545	Soil	0.023	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110546	Soil	0.017	2.0	125.0	26.2	68	0.8	9.3	5.2	164	2.34	101.1	49.5	1.4	13	0.4	5.4	16.0	32	0.11	0.058
20110547	Soil	0.078	2.0	155.1	28.8	72	2.1	12.8	6.6	196	3.02	96.0	51.3	2.3	24	0.6	4.7	25.5	38	0.16	0.081
20110548	Soil	0.019	38.4	124.2	10.5	25	0.4	6.5	2.9	89	2.21	13.9	20.4	4.5	61	<0.1	1.2	4.4	39	0.23	0.069
20110549	Soil	0.009	29.2	98.6	7.9	34	0.4	8.6	4.3	155	2.53	9.6	11.7	4.3	61	<0.1	0.8	3.0	54	0.21	0.062
20110550	Soil	0.006	3.6	31.5	3.1	16	0.4	3.6	2.6	47	1.11	2.5	5.8	0.3	15	<0.1	0.3	1.0	30	0.06	0.021
20110551	Soil	0.027	6.9	26.8	8.6	26	0.6	5.5	3.2	82	1.54	11.3	9.6	2.0	28	<0.1	1.3	2.3	34	0.16	0.041
20110552	Soil	0.012	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110553	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110554	Soil	0.013	1.3	41.6	6.7	25	0.7	4.2	4.3	171	1.69	26.1	15.0	1.0	14	<0.1	4.4	11.5	34	0.13	0.066
20110555	Soil	0.043	3.6	89.5	22.4	56	0.7	13.1	23.5	1232	3.84	59.9	36.2	3.0	29	0.1	13.0	17.7	43	0.15	0.096
20110556	Soil	0.018	3.4	81.1	12.7	49	0.4	11.6	9.3	260	2.25	38.2	31.2	0.4	19	<0.1	14.2	11.5	41	0.09	0.059
20110557	Soil	0.036	8.0	70.7	5.1	15	0.9	4.6	2.6	43	1.25	3.1	31.2	0.1	43	<0.1	0.4	1.2	24	0.10	0.073
20110558	Soil	0.026	16.2	84.2	9.4	22	0.8	6.8	2.8	77	1.64	10.5	26.1	2.5	50	<0.1	0.9	5.0	29	0.14	0.037
20110559	Soil	<0.005	0.5	10.9	0.5	9	<0.1	1.5	2.0	35	0.73	<0.5	5.1	<0.1	13	<0.1	0.3	<0.1	25	0.08	0.019
20110560	Soil	0.043	5.3	45.6	12.8	30	0.7	8.0	3.1	87	1.83	14.3	39.6	5.5	32	<0.1	2.1	4.5	37	0.18	0.037
20110561	Soil	0.008	10.4	22.4	26.1	28	0.9	7.3	3.2	85	1.44	13.5	35.8	2.7	26	<0.1	4.4	3.2	30	0.20	0.045
20110562	Soil	<0.005	3.4	13.9	2.4	11	0.2	2.3	2.3	39	1.73	5.9	3.4	0.4	12	<0.1	2.7	0.4	32	0.10	0.047
20110564	Soil	0.036	6.0	63.6	8.2	21	1.2	6.6	3.3	63	1.47	10.2	36.1	0.3	27	<0.1	1.4	3.3	25	0.12	0.063
20110565	Soil	0.075	23.4	72.6	17.9	28	1.0	5.7	3.7	74	2.34	24.8	80.4	1.6	63	<0.1	4.0	5.8	33	0.12	0.069
20110566	Soil	0.058	17.1	65.3	22.7	28	1.6	7.0	2.7	81	2.14	22.8	59.7	3.0	55	<0.1	2.7	9.7	33	0.14	0.054



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
20110536	Soil	15	29	0.34	213	0.024	1	2.15	0.010	0.13	0.2	0.04	2.7	0.3	0.08	5	1.0	0.7
20110537	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110538	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110539	Soil	10	19	0.31	104	0.056	<1	1.17	0.015	0.05	0.4	<0.01	1.8	0.1	0.06	4	<0.5	<0.2
20110540	Soil	2	2	0.05	15	0.035	<1	0.14	0.033	0.03	<0.1	<0.01	0.2	<0.1	<0.05	1	<0.5	<0.2
20110541	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110542	Soil	9	15	0.25	118	0.041	<1	0.97	0.009	0.05	0.3	0.02	1.2	0.1	<0.05	3	<0.5	<0.2
20110543	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110544	Soil	3	5	0.06	33	0.074	<1	0.23	0.021	0.02	<0.1	<0.01	0.4	<0.1	0.06	2	<0.5	<0.2
20110545	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110546	Soil	15	15	0.16	73	0.031	<1	0.64	0.010	0.06	0.2	<0.01	1.0	0.2	0.06	3	<0.5	0.9
20110547	Soil	13	21	0.26	167	0.032	1	1.40	0.011	0.11	0.1	0.04	2.2	0.4	0.08	4	<0.5	0.8
20110548	Soil	11	13	0.42	97	0.060	<1	1.08	0.027	0.11	0.5	<0.01	2.1	0.2	0.13	4	<0.5	0.4
20110549	Soil	12	21	0.54	109	0.102	<1	1.28	0.032	0.19	0.6	<0.01	3.2	0.3	0.14	5	<0.5	<0.2
20110550	Soil	3	7	0.10	43	0.040	<1	0.52	0.026	0.03	0.2	0.01	0.7	<0.1	<0.05	3	<0.5	<0.2
20110551	Soil	11	14	0.26	98	0.062	<1	0.82	0.019	0.05	0.9	0.04	1.3	0.1	<0.05	3	<0.5	<0.2
20110552	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110553	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110554	Soil	8	10	0.13	88	0.033	<1	0.49	0.020	0.03	0.1	0.07	0.9	0.1	0.05	2	<0.5	1.1
20110555	Soil	19	23	0.24	231	0.029	1	1.10	0.009	0.09	0.2	0.06	1.8	0.3	0.07	4	0.7	1.0
20110556	Soil	11	18	0.09	125	0.035	<1	0.38	0.014	0.04	<0.1	0.03	0.7	0.1	0.06	2	0.5	1.2
20110557	Soil	7	11	0.14	61	0.026	2	1.23	0.022	0.05	0.1	0.05	0.4	0.1	0.11	4	<0.5	<0.2
20110558	Soil	14	19	0.31	128	0.048	<1	1.28	0.014	0.06	0.4	0.05	1.9	0.2	<0.05	4	<0.5	0.3
20110559	Soil	1	2	0.05	15	0.030	<1	0.19	0.033	0.02	<0.1	0.02	0.5	<0.1	<0.05	1	<0.5	<0.2
20110560	Soil	15	21	0.35	137	0.072	<1	1.39	0.011	0.07	0.7	0.05	2.4	0.3	<0.05	4	0.5	<0.2
20110561	Soil	12	17	0.28	123	0.059	<1	0.93	0.010	0.06	0.5	0.03	1.6	0.1	<0.05	3	<0.5	<0.2
20110562	Soil	3	5	0.05	56	0.041	<1	0.26	0.038	0.03	<0.1	<0.01	0.6	<0.1	<0.05	2	<0.5	<0.2
20110564	Soil	10	15	0.18	126	0.021	1	1.16	0.023	0.07	0.5	0.09	0.9	0.2	0.06	4	<0.5	<0.2
20110565	Soil	20	12	0.22	200	0.035	1	0.85	0.027	0.13	0.8	0.07	1.4	0.2	0.22	4	0.6	0.2
20110566	Soil	18	19	0.32	197	0.045	1	1.11	0.013	0.09	0.9	0.04	1.6	0.2	0.10	4	0.6	0.7



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		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
20110567	Soil	0.028	17.9	36.9	80.6	36	1.6	8.2	3.7	108	1.99	26.8	49.8	4.2	37	<0.1	13.8	5.4	37	0.21	0.064
20110568	Soil	0.021	7.6	30.0	38.9	44	1.2	9.0	4.1	118	1.88	19.0	23.3	2.7	29	0.1	8.5	6.1	36	0.22	0.057
20110569	Soil	0.020	11.2	60.6	41.2	41	1.9	8.5	3.6	88	2.27	18.5	42.1	1.5	29	0.2	5.2	5.6	33	0.12	0.058
20110570	Soil	0.044	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110571	Soil	0.030	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110572	Soil	0.087	30.2	79.7	40.9	31	2.7	6.9	2.8	39	2.06	44.6	91.1	0.1	73	0.5	26.4	15.3	15	0.24	0.199
20110573	Soil	0.034	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110574	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110575	Soil	<0.005	0.6	11.8	8.1	33	0.1	8.0	4.4	151	1.61	6.8	1.5	0.6	16	0.2	0.3	0.2	40	0.21	0.047
20110596	Soil	0.026	4.6	19.9	19.7	39	1.0	13.1	6.4	186	2.16	17.7	22.4	4.2	16	0.2	5.7	1.3	43	0.15	0.045



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
20110567	Soil	14	20	0.32	155	0.063	<1	0.92	0.018	0.08	0.5	0.05	1.9	0.2	0.07	3	<0.5	0.3
20110568	Soil	11	19	0.36	133	0.060	<1	1.03	0.011	0.09	1.9	0.04	1.9	0.1	0.07	4	<0.5	0.5
20110569	Soil	13	21	0.28	174	0.038	2	1.43	0.013	0.09	1.3	0.07	2.2	0.2	<0.05	6	0.7	0.5
20110570	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110571	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110572	Soil	17	15	0.16	864	0.006	1	1.25	0.020	0.13	2.2	0.25	0.3	0.3	0.35	4	1.5	0.9
20110573	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110574	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110575	Soil	7	14	0.34	95	0.043	1	1.20	0.011	0.05	0.1	0.03	1.3	0.1	<0.05	4	<0.5	<0.2
20110596	Soil	10	23	0.39	110	0.059	<1	1.71	0.009	0.08	0.4	0.08	2.2	0.1	<0.05	4	<0.5	0.2



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		Au gm/t 0.005	Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
20110597	Soil	0.016	6.3	20.1	20.3	39	0.9	8.5	4.5	157	2.27	19.7	13.9	2.8	22	0.2	5.6	3.5	48	0.14	0.056
20110598	Soil	0.049	23.7	55.7	54.1	42	2.2	6.3	3.1	94	2.04	20.4	59.0	1.3	46	0.2	7.9	9.3	34	0.13	0.050
20110300	Soil	<0.005	0.8	5.5	1.8	17	<0.1	2.9	2.9	56	1.19	<0.5	<0.5	0.1	9	<0.1	<0.1	0.1	43	0.04	0.015
20110301	Soil	<0.005	1.1	9.1	4.8	18	0.3	3.5	2.4	52	1.00	2.4	1.6	0.3	10	<0.1	0.2	0.3	29	0.07	0.018
20110302	Soil	0.011	1.2	22.1	10.8	27	0.2	8.2	4.4	117	1.80	5.4	16.0	1.0	22	0.1	0.4	0.7	45	0.15	0.033
20110303	Soil	0.007	1.1	15.1	8.3	27	0.1	7.2	4.0	100	1.73	2.9	0.9	1.0	15	0.2	0.4	0.4	52	0.10	0.025
20110304	Soil	<0.005	1.3	16.1	9.6	26	0.1	6.1	3.3	103	1.60	5.7	3.2	1.3	17	<0.1	0.4	0.5	44	0.12	0.026
20110305	Soil	0.025	1.9	28.1	17.7	37	0.2	11.1	8.9	240	2.99	21.1	16.0	4.2	29	0.1	0.6	1.7	46	0.15	0.047
20110306	Soil	0.006	0.8	16.1	7.3	32	<0.1	11.3	4.9	152	1.84	7.2	4.7	3.2	20	<0.1	0.4	0.6	40	0.18	0.027
20110307	Soil	0.007	0.4	7.8	2.6	15	0.1	3.5	2.3	47	0.87	<0.5	2.4	<0.1	12	<0.1	0.2	0.1	30	0.07	0.023
20110308	Soil	0.013	0.7	19.6	8.9	33	0.1	11.9	6.1	181	1.99	8.4	6.2	3.1	23	<0.1	0.7	0.8	41	0.21	0.051
20110309	Soil	0.016	0.8	24.6	17.2	36	0.3	10.8	5.8	178	2.41	15.3	12.3	4.5	33	<0.1	1.5	2.6	43	0.26	0.055
20110310	Soil	0.014	2.7	31.2	16.4	42	0.2	13.8	6.3	187	2.81	11.5	4.5	5.2	19	0.2	1.0	0.9	49	0.13	0.042
20110311	Soil	0.072	3.0	32.5	17.3	48	0.2	13.8	7.2	283	3.49	16.7	6.8	4.7	20	0.2	1.6	1.7	58	0.15	0.044
20110312	Soil	0.012	0.6	9.3	2.6	22	<0.1	3.3	3.8	71	1.51	1.4	2.2	0.4	9	<0.1	0.3	0.1	52	0.06	0.014
20110313	Soil	0.010	2.7	38.4	9.4	29	0.1	6.8	4.0	130	2.27	5.9	6.1	6.1	29	<0.1	0.9	0.7	40	0.18	0.048
20110314	Soil	0.012	0.9	37.8	10.0	41	0.1	16.0	7.1	203	2.39	8.6	7.2	3.2	23	0.1	0.5	0.7	51	0.23	0.044
20110315	Soil	0.014	1.7	46.0	25.1	45	0.1	17.2	8.8	312	3.06	6.6	6.7	4.9	38	0.1	0.8	0.8	71	0.28	0.074
20110316	Soil	0.008	0.3	11.5	3.3	8	<0.1	3.0	1.5	38	0.64	1.4	4.0	0.2	10	<0.1	0.2	<0.1	14	0.08	0.036
20110317	Soil	0.015	1.3	35.5	26.0	44	0.3	17.0	6.2	213	2.70	9.7	45.5	4.0	52	0.2	1.0	0.8	47	0.40	0.081
20110318	Soil	<0.005	0.4	7.1	4.3	11	<0.1	2.7	1.8	40	0.80	1.3	0.9	0.2	8	<0.1	0.1	<0.1	24	0.05	0.021
20110319	Soil	0.010	0.2	4.4	1.2	12	<0.1	2.1	2.3	46	0.88	<0.5	<0.5	0.1	6	<0.1	<0.1	<0.1	31	0.05	0.016
20110320	Soil	<0.005	0.4	6.4	2.6	5	0.2	2.1	0.7	18	0.37	1.4	1.2	0.4	6	<0.1	0.1	0.4	9	0.02	0.009
20110321	Soil	0.009	0.3	7.7	36.8	129	0.4	8.7	6.3	352	1.39	36.0	7.6	2.5	17	1.0	0.6	0.2	32	0.24	0.037
20110322	Soil	0.076	0.5	50.5	92.5	355	6.4	16.8	7.3	969	1.63	56.7	77.4	2.4	33	5.3	1.8	0.5	35	0.30	0.119
20110323	Soil	0.049	0.8	18.4	184.6	217	0.8	12.0	13.3	387	1.99	205.2	43.3	4.4	20	1.5	2.5	0.4	41	0.27	0.056
20110324	Soil	0.043	0.6	14.4	68.6	110	0.5	9.8	4.2	149	1.80	175.9	15.9	3.1	17	1.0	1.8	0.4	44	0.22	0.032
20110325	Soil	0.020	0.5	14.3	70.1	117	0.5	9.9	4.9	170	1.81	158.0	18.7	3.2	18	0.9	1.8	0.4	42	0.22	0.033
20110326	Soil	0.067	0.8	33.0	90.2	152	1.1	9.4	10.4	555	2.75	300.5	32.9	2.8	20	0.8	2.2	0.8	75	0.17	0.041
20110327	Soil	0.052	0.7	43.7	63.4	246	2.5	9.7	5.3	303	1.57	76.3	29.9	2.5	22	4.6	1.1	0.7	35	0.25	0.048



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
20110597	Soil	10	20	0.29	166	0.049	<1	1.39	0.009	0.06	1.0	0.04	1.9	0.1	0.06	6	<0.5	0.2
20110598	Soil	14	15	0.25	155	0.032	<1	0.86	0.014	0.10	1.9	0.12	1.4	0.2	0.16	5	1.0	0.7
20110300	Soil	1	5	0.07	29	0.047	<1	0.25	0.023	0.03	<0.1	<0.01	0.4	<0.1	<0.05	2	<0.5	<0.2
20110301	Soil	3	7	0.11	57	0.036	<1	0.47	0.017	0.04	0.2	0.02	0.6	<0.1	<0.05	3	<0.5	<0.2
20110302	Soil	8	16	0.22	131	0.056	<1	1.14	0.017	0.06	0.3	0.01	1.5	0.1	<0.05	5	<0.5	<0.2
20110303	Soil	6	14	0.18	83	0.073	<1	0.74	0.015	0.05	0.2	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
20110304	Soil	8	14	0.24	102	0.058	<1	0.97	0.011	0.05	0.2	0.02	1.4	0.1	<0.05	5	<0.5	<0.2
20110305	Soil	10	24	0.41	123	0.057	1	1.33	0.021	0.08	0.3	0.02	2.7	0.1	0.08	4	<0.5	<0.2
20110306	Soil	9	22	0.40	130	0.065	<1	1.04	0.018	0.05	0.2	<0.01	2.3	<0.1	<0.05	3	<0.5	<0.2
20110307	Soil	3	7	0.07	78	0.029	<1	0.32	0.024	0.04	<0.1	0.02	0.4	<0.1	<0.05	2	<0.5	<0.2
20110308	Soil	8	22	0.41	128	0.070	<1	1.15	0.021	0.06	0.4	<0.01	2.4	<0.1	<0.05	3	<0.5	<0.2
20110309	Soil	12	23	0.40	147	0.077	<1	1.02	0.024	0.07	1.0	0.01	2.7	<0.1	<0.05	3	<0.5	0.2
20110310	Soil	10	24	0.35	161	0.052	<1	1.61	0.014	0.10	0.2	0.02	2.6	0.1	<0.05	5	<0.5	<0.2
20110311	Soil	9	27	0.42	150	0.056	<1	1.77	0.016	0.12	0.3	0.02	3.0	0.1	0.05	6	<0.5	<0.2
20110312	Soil	2	6	0.08	54	0.073	<1	0.29	0.018	0.03	<0.1	<0.01	0.6	<0.1	<0.05	2	<0.5	<0.2
20110313	Soil	9	14	0.48	172	0.051	<1	0.92	0.028	0.12	0.4	<0.01	2.8	0.2	0.11	3	0.7	<0.2
20110314	Soil	13	30	0.48	259	0.076	<1	1.58	0.016	0.08	0.2	<0.01	3.8	0.1	<0.05	5	<0.5	<0.2
20110315	Soil	11	37	0.76	259	0.142	<1	1.90	0.032	0.33	0.4	<0.01	5.5	0.6	<0.05	6	<0.5	<0.2
20110316	Soil	3	6	0.08	36	0.024	<1	0.45	0.029	0.03	<0.1	0.01	0.7	<0.1	<0.05	1	<0.5	<0.2
20110317	Soil	12	30	0.51	158	0.100	<1	1.11	0.053	0.09	0.4	0.03	3.6	0.1	0.11	3	<0.5	<0.2
20110318	Soil	2	5	0.06	26	0.040	<1	0.28	0.032	0.03	<0.1	0.01	0.4	<0.1	<0.05	2	<0.5	<0.2
20110319	Soil	<1	4	0.04	12	0.056	<1	0.34	0.044	0.04	<0.1	<0.01	0.7	<0.1	<0.05	2	<0.5	<0.2
20110320	Soil	2	4	0.03	21	0.019	<1	0.38	0.019	0.02	0.3	0.01	0.4	<0.1	<0.05	1	<0.5	<0.2
20110321	Soil	9	16	0.35	101	0.060	<1	0.93	0.013	0.04	0.2	0.01	1.9	<0.1	<0.05	3	<0.5	<0.2
20110322	Soil	19	24	0.30	326	0.026	<1	2.65	0.022	0.09	0.1	0.12	4.2	0.2	<0.05	5	<0.5	<0.2
20110323	Soil	13	19	0.39	109	0.063	<1	1.17	0.013	0.07	0.2	<0.01	2.3	0.1	<0.05	3	<0.5	<0.2
20110324	Soil	11	19	0.36	89	0.061	<1	1.09	0.010	0.05	0.2	0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
20110325	Soil	11	19	0.37	87	0.064	<1	1.16	0.019	0.05	0.2	<0.01	2.2	0.1	<0.05	4	<0.5	<0.2
20110326	Soil	11	18	0.28	86	0.085	<1	0.92	0.018	0.08	0.2	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
20110327	Soil	50	15	0.28	180	0.019	<1	1.24	0.023	0.05	0.1	0.05	3.9	0.1	<0.05	3	<0.5	<0.2



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	Method Analyte Unit MDL	G6	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
20110328	Soil	<0.005	0.6	7.9	11.2	80	0.4	7.0	4.5	189	1.81	16.5	27.9	2.5	13	0.9	0.7	0.6	53	0.14	0.020
20110329	Soil	0.014	0.8	12.0	15.1	61	0.8	10.8	4.7	162	2.17	17.2	6.7	3.0	16	0.6	0.6	0.5	55	0.18	0.026
20110330	Soil	0.021	1.0	18.6	33.7	141	1.7	8.7	8.6	344	3.15	83.1	17.8	4.0	18	0.7	2.4	4.6	66	0.13	0.025
20110331	Soil	0.138	0.7	21.1	41.7	38	1.0	4.8	2.6	58	2.12	10.6	104.7	7.0	11	0.2	1.2	4.3	27	0.12	0.052
20110332	Soil	0.013	1.1	34.5	12.4	50	0.2	14.1	7.1	244	2.49	9.4	107.3	2.7	24	0.4	0.6	1.0	52	0.22	0.040
20110333	Soil	0.009	0.7	22.3	3.7	8	0.6	2.8	1.5	24	0.54	2.1	4.0	0.3	17	0.2	0.6	0.3	6	0.13	0.055
20110334	Soil	0.023	9.5	60.6	34.2	51	0.7	7.4	8.6	223	4.74	19.5	26.2	3.0	19	0.2	6.0	5.9	38	0.12	0.089
20110335	Soil	0.031	16.7	86.9	52.9	54	1.4	8.2	7.9	243	6.84	20.8	28.0	1.9	50	0.4	6.5	5.4	26	0.20	0.173
20110336	Soil	0.018	12.1	140.6	65.2	148	0.3	8.4	18.5	263	7.93	20.4	21.7	13.7	30	0.3	5.5	3.1	14	0.03	0.144
20110337	Soil	0.009	6.5	58.6	21.4	55	0.2	15.1	8.6	252	4.08	14.8	7.2	5.2	20	0.2	4.3	0.7	49	0.12	0.065
20110338	Soil	0.019	13.2	196.4	22.9	82	0.5	10.4	11.8	203	5.97	19.5	14.4	3.6	50	0.5	9.2	1.2	72	0.12	0.117
20110339	Soil	<0.005	4.2	45.2	18.7	38	0.2	9.7	4.3	144	2.61	10.1	4.6	1.5	19	0.1	1.9	0.7	60	0.12	0.050
20110340	Soil	0.007	2.2	34.8	16.8	39	0.1	8.4	5.5	153	2.71	12.6	3.0	3.4	21	0.2	2.8	0.8	68	0.13	0.030
20110341	Soil	0.008	1.3	27.5	10.1	42	<0.1	11.6	6.9	206	2.40	8.8	6.1	1.9	19	0.2	0.6	0.5	58	0.17	0.038
20110342	Soil	0.012	1.8	40.4	20.4	46	0.1	9.9	4.8	133	1.87	5.8	10.6	4.3	25	0.2	0.8	0.9	39	0.28	0.070
20110343	Soil	0.032	3.6	107.4	35.7	57	0.4	12.5	6.0	162	2.70	12.1	23.9	3.0	42	0.4	1.1	2.3	42	0.21	0.076
20110344	Soil	0.038	2.5	69.9	20.6	53	0.3	14.3	8.2	172	3.60	13.4	10.7	4.9	28	0.2	0.9	1.5	63	0.12	0.054
20110345	Soil	0.018	1.7	44.3	11.7	38	0.2	14.7	7.2	180	2.67	13.4	11.8	3.3	23	0.1	0.9	0.7	52	0.13	0.036
20110346	Soil	0.007	1.1	23.0	8.8	32	0.1	7.2	4.9	110	2.22	6.8	3.1	0.7	13	<0.1	0.6	0.3	79	0.08	0.028



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
20110328	Soil	9	16	0.26	67	0.067	<1	0.83	0.014	0.05	0.2	<0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
20110329	Soil	10	22	0.35	94	0.080	<1	1.20	0.010	0.06	0.2	0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
20110330	Soil	8	19	0.33	80	0.044	<1	1.41	0.010	0.06	0.1	0.02	2.9	0.2	<0.05	6	<0.5	0.3
20110331	Soil	19	9	0.22	79	0.015	<1	0.87	0.024	0.04	0.1	0.03	2.4	0.1	<0.05	3	<0.5	0.3
20110332	Soil	11	26	0.46	109	0.068	<1	1.71	0.024	0.07	1.1	0.01	2.7	0.1	<0.05	5	<0.5	<0.2
20110333	Soil	4	5	0.05	66	0.017	<1	0.50	0.058	0.04	0.1	0.05	0.8	<0.1	<0.05	2	<0.5	<0.2
20110334	Soil	11	13	0.20	158	0.012	<1	1.08	0.012	0.08	0.3	0.09	1.5	0.2	<0.05	3	1.0	<0.2
20110335	Soil	11	10	0.18	548	0.010	<1	1.28	0.026	0.12	0.4	0.17	2.0	0.3	0.21	4	3.0	0.2
20110336	Soil	15	5	0.19	176	0.003	<1	1.01	0.022	0.16	0.2	0.02	1.6	0.2	0.24	2	3.2	0.7
20110337	Soil	12	27	0.43	148	0.067	<1	1.88	0.023	0.13	0.5	0.03	3.0	0.2	0.15	5	<0.5	<0.2
20110338	Soil	14	17	0.56	273	0.046	<1	2.19	0.039	0.32	0.5	0.04	7.5	0.6	0.26	6	1.2	<0.2
20110339	Soil	10	21	0.32	156	0.065	<1	1.23	0.011	0.09	0.2	0.02	2.5	0.2	<0.05	6	<0.5	<0.2
20110340	Soil	9	19	0.23	203	0.062	1	0.92	0.011	0.07	0.2	<0.01	2.0	0.1	<0.05	6	<0.5	<0.2
20110341	Soil	9	23	0.35	153	0.084	2	1.20	0.017	0.08	0.2	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
20110342	Soil	12	19	0.38	117	0.086	1	1.00	0.015	0.07	0.2	<0.01	2.2	0.1	<0.05	3	<0.5	<0.2
20110343	Soil	12	23	0.36	216	0.052	2	1.35	0.031	0.12	0.5	0.03	2.6	0.2	0.14	4	0.8	0.4
20110344	Soil	13	26	0.35	149	0.062	2	1.90	0.025	0.08	0.2	0.02	2.4	0.2	0.08	5	0.7	0.4
20110345	Soil	10	24	0.38	151	0.076	2	1.68	0.030	0.09	0.2	0.02	2.3	0.2	0.08	5	<0.5	<0.2
20110346	Soil	6	15	0.14	57	0.103	2	0.69	0.017	0.03	0.1	0.02	0.7	<0.1	<0.05	5	<0.5	<0.2



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Method	G6	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001

20110620	Soil	0.014	4.5	19.8	16.0	27	0.8	3.4	3.5	96	1.29	4.4	10.3	0.7	18	<0.1	3.1	1.8	43	0.10	0.041
20110621	Soil	0.027	12.2	35.7	89.2	48	1.2	8.4	4.1	149	2.15	30.0	29.8	4.6	47	0.1	17.6	3.1	44	0.16	0.053



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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit	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	0.1	0.05	1	0.5	0.2

20110620	Soil	4	7	0.11	53	0.064	<1	0.51	0.027	0.04	0.2	0.02	0.7	<0.1	<0.05	3	<0.5	<0.2
20110621	Soil	13	19	0.29	195	0.064	1	0.84	0.014	0.13	2.4	0.02	1.8	0.1	0.15	4	<0.5	0.2



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	Method Analyte Unit MDL	G6	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
20110349	Soil	0.009	0.5	9.4	42.2	78	0.4	8.4	4.9	236	1.42	9.9	3.0	1.7	15	0.7	0.4	0.2	36	0.21	0.035
REP 20110349	QC		0.5	9.3	42.2	77	0.4	8.1	4.9	241	1.41	9.7	3.8	1.7	15	0.7	0.4	0.2	36	0.23	0.035
20110356	Soil	0.021	0.4	17.9	15.7	56	0.8	5.4	2.6	97	1.05	6.5	25.6	1.5	17	1.1	0.5	1.6	31	0.17	0.041
REP 20110356	QC	0.020																			
20110375	Soil	<0.005	2.4	51.4	11.4	37	0.1	9.7	5.5	136	2.15	11.5	9.7	1.9	18	0.2	1.0	0.6	40	0.14	0.044
REP 20110375	QC		2.2	52.1	11.4	37	0.2	9.3	5.4	135	2.18	11.4	8.4	1.8	18	0.2	1.0	0.5	39	0.13	0.044
20110391	Soil	<0.005	0.1	5.3	2.5	11	0.4	1.5	2.0	38	0.67	1.9	2.6	0.7	7	<0.1	0.1	0.2	19	0.03	0.007
REP 20110391	QC	<0.005																			
20110403	Soil	0.148	1.8	69.5	23.7	64	0.5	10.1	5.8	166	2.87	75.0	93.8	5.8	38	0.3	12.2	50.4	34	0.19	0.067
REP 20110403	QC		1.9	68.5	23.3	63	0.4	9.9	5.5	160	2.80	74.4	106.2	5.7	36	0.3	12.3	50.1	32	0.19	0.068
20110431	Soil	0.096	4.3	323.0	58.9	65	1.1	5.5	4.7	175	3.45	61.1	52.7	5.8	34	0.2	11.9	61.8	18	0.11	0.078
REP 20110431	QC		4.0	317.7	57.2	66	1.0	4.9	4.6	170	3.51	61.9	89.4	5.6	33	0.1	11.6	58.7	21	0.10	0.074
20110432	Soil	0.038	1.4	21.6	17.7	40	0.3	11.8	6.2	265	2.61	12.3	15.1	3.5	17	0.1	1.3	3.0	46	0.15	0.060
REP 20110432	QC	<0.005																			
20110446	Soil	0.008	23.4	41.2	62.8	35	1.3	7.3	2.9	80	2.47	31.2	14.4	3.2	32	<0.1	12.1	5.1	39	0.15	0.054
REP 20110446	QC		24.2	39.9	61.7	35	1.2	6.7	3.0	80	2.55	30.6	17.0	3.2	31	<0.1	11.9	4.9	39	0.15	0.053
20110465	Soil	0.018	0.9	58.8	16.0	28	0.9	4.0	3.2	138	1.21	55.2	19.2	0.5	12	0.3	2.0	11.4	19	0.06	0.042
REP 20110465	QC		1.0	58.5	16.3	30	0.9	4.2	3.0	139	1.20	51.5	23.6	0.6	12	0.3	2.1	11.9	20	0.07	0.044
20110486	Soil	0.051	1.7	30.6	20.6	39	0.3	7.4	4.2	116	2.44	22.6	21.1	2.3	30	0.2	1.9	5.1	39	0.15	0.069
REP 20110486	QC		1.9	29.4	19.7	38	0.3	7.4	4.1	113	2.38	22.9	11.5	2.4	30	0.2	1.9	5.1	39	0.15	0.068
20110490	Soil	0.079	2.3	34.3	40.6	48	0.9	13.0	5.9	164	3.14	24.6	72.0	4.9	57	0.1	3.9	29.5	41	0.13	0.069
REP 20110490	QC	0.100																			
20110502	Soil	0.070	3.6	216.0	32.8	53	0.7	8.6	21.3	614	3.82	84.5	86.6	3.4	21	0.2	9.6	15.1	29	0.13	0.079
REP 20110502	QC		3.4	211.8	31.3	54	0.7	8.9	21.2	593	3.72	82.1	80.3	3.4	20	<0.1	9.5	15.6	31	0.14	0.080
20110503	Soil	0.059	2.7	160.2	49.5	47	1.7	6.8	4.9	220	2.70	59.6	34.0	4.0	21	0.1	13.7	38.5	30	0.17	0.080
REP 20110503	QC	0.030																			



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Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Ti ppm	S %	Ga ppm	Se ppm	Te 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
Pulp Duplicates																		
20110349	Soil	7	14	0.27	73	0.042	1	0.89	0.011	0.05	0.2	0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
REP 20110349	QC	8	14	0.28	75	0.043	1	0.87	0.011	0.05	0.3	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
20110356	Soil	11	11	0.18	85	0.046	1	0.68	0.014	0.04	0.1	0.03	1.8	0.1	<0.05	3	<0.5	<0.2
REP 20110356	QC																	
20110375	Soil	9	18	0.28	167	0.039	<1	0.98	0.016	0.06	0.2	0.03	1.7	<0.1	0.05	4	<0.5	<0.2
REP 20110375	QC	8	17	0.29	169	0.038	<1	0.97	0.016	0.06	0.2	0.03	1.6	<0.1	0.05	4	<0.5	<0.2
20110391	Soil	2	3	0.04	21	0.036	<1	0.27	0.025	0.03	<0.1	<0.01	0.3	<0.1	<0.05	1	<0.5	<0.2
REP 20110391	QC																	
20110403	Soil	13	16	0.30	122	0.056	<1	0.72	0.012	0.09	0.1	0.04	1.9	0.2	0.06	2	<0.5	1.1
REP 20110403	QC	12	15	0.29	120	0.049	<1	0.69	0.014	0.09	0.2	0.04	1.7	0.2	0.07	2	<0.5	1.2
20110431	Soil	18	9	0.15	333	0.007	<1	0.85	0.007	0.12	0.1	0.05	1.2	0.2	0.14	2	0.5	5.8
REP 20110431	QC	18	9	0.15	319	0.007	<1	0.81	0.006	0.11	<0.1	0.05	1.4	0.2	0.15	2	0.9	5.8
20110432	Soil	10	22	0.30	87	0.066	<1	1.17	0.010	0.08	0.2	0.02	1.7	<0.1	<0.05	4	0.8	0.2
REP 20110432	QC																	
20110446	Soil	16	20	0.31	224	0.048	<1	1.31	0.008	0.08	0.8	0.06	1.8	0.2	<0.05	5	0.8	0.3
REP 20110446	QC	16	20	0.30	225	0.047	<1	1.35	0.008	0.08	0.9	0.07	1.8	0.2	<0.05	5	0.9	0.4
20110465	Soil	4	6	0.05	85	0.019	2	0.46	0.023	0.04	<0.1	0.04	0.7	0.1	<0.05	2	<0.5	0.8
REP 20110465	QC	4	6	0.05	86	0.022	1	0.46	0.023	0.04	<0.1	0.05	0.7	0.1	0.07	2	<0.5	0.5
20110486	Soil	12	16	0.28	117	0.025	<1	0.94	0.008	0.06	0.2	0.03	1.5	0.2	<0.05	4	0.6	0.3
REP 20110486	QC	12	15	0.28	116	0.024	1	0.93	0.008	0.06	0.2	0.03	1.5	0.2	<0.05	4	<0.5	0.3
20110490	Soil	13	24	0.36	236	0.032	2	1.60	0.012	0.15	0.3	0.09	2.7	0.3	0.17	5	<0.5	1.3
REP 20110490	QC																	
20110502	Soil	16	15	0.21	71	0.013	<1	0.88	0.006	0.06	0.1	0.07	1.1	0.2	<0.05	3	1.5	1.2
REP 20110502	QC	15	15	0.20	72	0.012	<1	0.85	0.006	0.05	0.1	0.08	1.1	0.2	<0.05	3	1.1	1.0
20110503	Soil	15	13	0.20	191	0.014	<1	0.80	0.006	0.05	0.2	0.12	1.2	0.2	<0.05	3	<0.5	1.3
REP 20110503	QC																	



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		G6	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
20110532	Soil	0.016	1.3	46.2	22.7	42	0.8	7.2	7.4	369	2.16	17.8	11.3	2.3	14	0.3	1.2	4.9	35	0.16	0.063
REP 20110532	QC		1.4	48.6	21.9	44	0.9	8.0	7.7	398	2.32	18.6	32.8	2.6	15	0.4	1.2	5.0	38	0.18	0.069
20110548	Soil	0.019	38.4	124.2	10.5	25	0.4	6.5	2.9	89	2.21	13.9	20.4	4.5	61	<0.1	1.2	4.4	39	0.23	0.069
REP 20110548	QC		38.7	128.2	10.8	26	0.5	6.4	3.1	93	2.31	13.9	19.5	4.6	62	<0.1	1.2	4.5	40	0.23	0.073
20110551	Soil	0.027	6.9	26.8	8.6	26	0.6	5.5	3.2	82	1.54	11.3	9.6	2.0	28	<0.1	1.3	2.3	34	0.16	0.041
REP 20110551	QC	0.026																			
20110568	Soil	0.021	7.6	30.0	38.9	44	1.2	9.0	4.1	118	1.88	19.0	23.3	2.7	29	0.1	8.5	6.1	36	0.22	0.057
REP 20110568	QC		8.0	30.4	37.0	44	1.2	9.2	4.3	124	1.88	18.4	29.1	2.7	29	0.1	8.2	5.9	37	0.21	0.058
20110302	Soil	0.011	1.2	22.1	10.8	27	0.2	8.2	4.4	117	1.80	5.4	16.0	1.0	22	0.1	0.4	0.7	45	0.15	0.033
REP 20110302	QC	0.012																			
20110325	Soil	0.020	0.5	14.3	70.1	117	0.5	9.9	4.9	170	1.81	158.0	18.7	3.2	18	0.9	1.8	0.4	42	0.22	0.033
REP 20110325	QC		0.8	24.8	71.8	36	0.5	11.0	5.7	173	2.35	157.3	15.7	4.6	40	0.9	1.8	2.6	44	0.26	0.055
20110334	Soil	0.023	9.5	60.6	34.2	51	0.7	7.4	8.6	223	4.74	19.5	26.2	3.0	19	0.2	6.0	5.9	38	0.12	0.089
REP 20110334	QC	0.042																			
20110344	Soil	0.038	2.5	69.9	20.6	53	0.3	14.3	8.2	172	3.60	13.4	10.7	4.9	28	0.2	0.9	1.5	63	0.12	0.054
REP 20110344	QC		2.5	73.8	22.4	56	0.3	15.1	8.5	180	3.69	13.9	19.2	5.4	29	0.3	0.9	1.6	66	0.13	0.057
Reference Materials																					
STD DS8	Standard		13.4	114.1	123.4	304	1.7	38.8	7.8	603	2.44	26.0	106.0	7.0	73	2.2	5.7	6.5	44	0.71	0.074
STD DS8	Standard		13.6	114.8	124.5	303	1.7	39.8	7.8	594	2.35	25.7	109.9	7.2	72	2.3	5.8	6.7	43	0.72	0.076



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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
20110532	Soil	13	17	0.25	103	0.030	<1	0.92	0.006	0.05	0.2	0.03	1.4	0.2	0.06	4	<0.5	<0.2
REP 20110532	QC	14	17	0.27	106	0.033	<1	1.04	0.008	0.05	0.2	0.02	1.7	0.2	<0.05	4	<0.5	<0.2
20110548	Soil	11	13	0.42	97	0.060	<1	1.08	0.027	0.11	0.5	<0.01	2.1	0.2	0.13	4	<0.5	0.4
REP 20110548	QC	12	14	0.44	100	0.061	1	1.09	0.029	0.11	0.4	<0.01	2.3	0.2	0.14	4	<0.5	0.3
20110551	Soil	11	14	0.26	98	0.062	<1	0.82	0.019	0.05	0.9	0.04	1.3	0.1	<0.05	3	<0.5	<0.2
REP 20110551	QC																	
20110568	Soil	11	19	0.36	133	0.060	<1	1.03	0.011	0.09	1.9	0.04	1.9	0.1	0.07	4	<0.5	0.5
REP 20110568	QC	11	19	0.36	130	0.060	<1	1.03	0.011	0.08	1.9	0.04	1.9	0.1	0.06	4	0.7	0.4
20110302	Soil	8	16	0.22	131	0.056	<1	1.14	0.017	0.06	0.3	0.01	1.5	0.1	<0.05	5	<0.5	<0.2
REP 20110302	QC																	
20110325	Soil	11	19	0.37	87	0.064	<1	1.16	0.019	0.05	0.2	<0.01	2.2	0.1	<0.05	4	<0.5	<0.2
REP 20110325	QC	12	22	0.40	86	0.078	<1	1.11	0.026	0.07	1.1	0.01	2.7	<0.1	0.05	4	<0.5	0.2
20110334	Soil	11	13	0.20	158	0.012	<1	1.08	0.012	0.08	0.3	0.09	1.5	0.2	<0.05	3	1.0	<0.2
REP 20110334	QC																	
20110344	Soil	13	26	0.35	149	0.062	2	1.90	0.025	0.08	0.2	0.02	2.4	0.2	0.08	5	0.7	0.4
REP 20110344	QC	13	27	0.36	157	0.063	2	2.06	0.027	0.08	0.3	0.03	2.6	0.2	0.09	5	<0.5	0.4
20110600	Soil	11	26	0.44	97	0.095	1	1.69	0.011	0.07	0.2	0.01	2.8	0.1	<0.05	7	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	15	123	0.59	281	0.136	3	0.94	0.115	0.43	3.0	0.21	2.7	5.1	0.11	5	4.8	5.2
STD DS8	Standard	16	121	0.60	283	0.136	2	0.95	0.103	0.43	3.0	0.19	2.5	5.3	0.13	5	4.7	4.7



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		G6	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD DS8	Standard		13.6	118.4	120.5	310	1.7	39.1	7.8	601	2.44	26.1	112.0	7.2	71	2.3	5.9	6.6	46	0.72	0.075
STD DS8	Standard		14.0	120.3	125.2	323	1.7	40.5	8.3	620	2.51	27.4	115.5	7.6	72	2.4	6.3	6.7	47	0.73	0.079
STD DS8	Standard		11.8	104.6	116.9	302	1.7	34.8	7.2	575	2.28	26.0	102.3	6.3	61	2.1	5.1	6.3	42	0.62	0.075
STD DS8	Standard		12.6	105.1	118.7	298	1.8	35.9	7.3	583	2.35	25.5	97.9	6.5	62	2.4	5.1	6.4	42	0.65	0.072
STD DS8	Standard		12.9	110.8	126.3	303	1.7	39.5	7.6	599	2.44	26.9	113.5	7.0	70	2.3	6.0	6.8	43	0.68	0.079
STD DS8	Standard		13.5	112.2	124.5	304	1.7	39.8	7.9	613	2.41	26.5	109.0	7.1	71	2.5	5.8	6.8	43	0.69	0.082
STD DS8	Standard		13.4	114.9	133.0	335	1.8	40.6	8.1	625	2.48	27.5	109.3	6.9	67	2.5	5.5	6.9	42	0.72	0.081
STD DS8	Standard		14.0	117.6	136.0	330	1.9	40.6	8.0	648	2.60	28.0	114.6	7.1	71	2.4	6.0	7.0	43	0.78	0.082
STD DS8	Standard		12.7	108.3	127.5	310	1.9	38.6	7.3	563	2.37	24.6	119.9	6.2	60	2.2	5.5	6.3	41	0.63	0.071
STD DS8	Standard		12.4	101.5	131.2	283	1.8	35.9	6.8	546	2.28	24.5	98.9	6.9	64	1.9	5.1	6.5	42	0.63	0.076
STD DS8	Standard		12.1	108.5	125.2	317	1.8	38.4	7.2	576	2.44	26.8	121.5	6.5	63	2.6	5.7	6.8	41	0.66	0.077
STD DS8	Standard		12.2	107.2	125.3	311	1.8	38.0	7.5	609	2.52	26.7	111.1	6.3	60	2.4	5.7	6.8	41	0.64	0.078
STD DS8	Standard		12.9	104.1	116.8	284	1.7	36.0	7.3	572	2.33	25.3	102.3	6.3	67	2.4	5.1	6.4	40	0.65	0.074
STD DS8	Standard		13.6	109.8	120.1	284	1.7	36.3	7.4	576	2.32	25.1	112.7	6.9	68	2.1	5.2	6.6	42	0.67	0.072
STD DS8	Standard		12.4	101.8	121.2	286	1.6	35.2	7.1	551	2.27	24.0	99.1	6.8	64	2.5	5.5	6.1	38	0.64	0.071
STD DS8	Standard		12.4	107.3	114.8	271	1.5	36.2	6.2	520	2.09	22.2	93.7	6.6	62	2.0	5.2	5.2	36	0.62	0.070
STD DS8	Standard		14.4	125.4	116.0	341	1.9	38.4	8.2	698	2.70	28.0	133.6	6.6	69	2.5	5.0	6.3	48	0.77	0.082
STD DS8	Standard		14.8	123.6	118.4	348	1.9	41.6	8.7	702	2.72	28.4	118.3	6.8	70	2.5	5.4	6.4	49	0.81	0.086
STD OXH82	Standard	1.305																			
STD OXH82	Standard	1.339																			
STD OXH82	Standard	1.401																			
STD OXH82	Standard	1.374																			
STD OXH82	Standard	1.379																			
STD OXH82	Standard	1.341																			
STD OXH82	Standard	1.299																			
STD OXH82	Standard	1.334																			
STD OXH82	Standard	1.315																			
STD OXH82	Standard	1.320																			
STD OXH82	Standard	1.292																			



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QUALITY CONTROL REPORT

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		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
STD DS8	Standard	16	126	0.61	286	0.144	3	0.95	0.106	0.45	3.0	0.19	2.4	5.1	0.14	5	5.2	5.0
STD DS8	Standard	17	126	0.63	289	0.148	4	0.97	0.099	0.44	3.0	0.20	2.3	5.2	0.16	5	4.5	4.7
STD DS8	Standard	13	109	0.57	249	0.103	3	0.85	0.085	0.40	2.8	0.21	2.0	5.2	0.08	5	4.7	4.5
STD DS8	Standard	15	112	0.56	260	0.114	2	0.86	0.089	0.40	3.0	0.19	2.4	5.3	0.12	5	5.7	5.0
STD DS8	Standard	15	118	0.59	284	0.135	3	0.89	0.090	0.41	3.1	0.20	2.1	5.3	0.16	4	4.4	5.1
STD DS8	Standard	15	119	0.59	282	0.137	2	0.91	0.095	0.42	2.9	0.18	2.1	5.2	0.15	4	5.0	5.0
STD DS8	Standard	15	118	0.62	288	0.116	2	0.95	0.084	0.44	3.1	0.24	2.2	5.8	0.17	5	5.5	5.5
STD DS8	Standard	17	120	0.66	306	0.121	2	0.98	0.092	0.45	3.1	0.24	2.4	6.0	0.19	5	5.6	5.9
STD DS8	Standard	13	113	0.57	258	0.103	2	0.85	0.080	0.38	2.6	0.24	1.6	4.7	0.15	4	5.3	4.7
STD DS8	Standard	14	111	0.59	271	0.105	3	0.84	0.080	0.38	2.8	0.23	1.9	4.7	0.17	4	4.4	4.9
STD DS8	Standard	12	115	0.61	277	0.105	3	0.84	0.079	0.42	2.9	0.21	1.9	5.6	0.15	4	5.0	4.8
STD DS8	Standard	12	114	0.59	269	0.104	4	0.86	0.080	0.41	3.0	0.19	1.8	5.6	0.18	4	5.2	5.1
STD DS8	Standard	14	110	0.59	277	0.109	2	0.96	0.122	0.42	2.6	0.18	2.1	5.2	0.13	5	4.4	4.8
STD DS8	Standard	15	113	0.58	275	0.114	2	0.94	0.146	0.47	2.9	0.20	2.2	5.2	0.13	5	4.3	4.5
STD DS8	Standard	14	108	0.55	263	0.109	3	0.83	0.085	0.39	2.8	0.18	2.1	4.9	0.14	4	4.5	4.8
STD DS8	Standard	14	99	0.50	254	0.110	2	0.79	0.081	0.37	2.6	0.21	2.0	4.6	0.13	4	4.1	4.3
STD DS8	Standard	15	121	0.67	300	0.125	3	1.00	0.101	0.43	3.2	0.18	2.5	6.0	0.22	5	5.1	5.1
STD DS8	Standard	16	130	0.68	313	0.134	2	1.03	0.102	0.46	3.3	0.21	2.4	6.0	0.22	5	5.1	5.1
STD OXH82	Standard																	
STD OXH82	Standard																	
STD OXH82	Standard																	
STD OXH82	Standard																	
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QUALITY CONTROL REPORT

WHI11000733.1

		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Tl ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
STD OXH82	Standard																	
STD OXH82	Standard																	
STD OXH82	Standard																	
STD OXH82	Standard																	
STD OXH82	Standard																	
STD OXH82	Standard																	
STD OXH82	Standard																	
STD OXH82	Standard																	
STD OXH82 Expected																		
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
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BLK	Blank	<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



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Report Date: August 16, 2011

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QUALITY CONTROL REPORT

WHI11000733.1

		G6	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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QUALITY CONTROL REPORT

WHI11000733.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank																	
BLK	Blank																	
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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



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Submitted By: Gary Schellenberg

Receiving Lab: Canada-Whitehorse

Received: July 25, 2011

Report Date: August 10, 2011

Page: 1 of 4

CERTIFICATE OF ANALYSIS

WHI11000734.1

CLIENT JOB INFORMATION

Project: Charlotte Project
Shipment ID: CHAR11-013
P.O. Number
Number of Samples: 77

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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: Coast Mountain Geological
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9
Canada

CC: Bernie Dewonek
Peter Dadson
Nicola Struyk

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	77	Dry at 60C			WHI
SS80	77	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	77	Saving all or part of Soil Reject			WHI
1DX2	72	1:1:1 Aqua Regia digestion ICP-MS analysis	15	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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Project: Charlotte Project
Report Date: August 10, 2011

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CERTIFICATE OF ANALYSIS

WHI11000734.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1

20110642	Soil	0.3	6.9	2.1	7	0.2	1.7	1.3	22	0.51	0.6	2.0	<0.1	7	<0.1	0.7	0.2	14	0.04	0.021	<1
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CERTIFICATE OF ANALYSIS

WHI11000734.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL	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

20110642	Soil	4	0.03	40	0.011	<1	0.20	0.023	0.02	<0.1	0.02	0.1	<0.1	<0.05	<1	<0.5	<0.2
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CERTIFICATE OF ANALYSIS

WHI11000734.1

	Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
20110671	Soil	8.2	65.1	224.2	212	0.7	11.9	9.7	573	2.42	41.4	68.6	5.6	14	1.3	6.2	0.5	34	0.22	0.074	15	
20110672	Soil	27.6	269.0	31.2	150	2.8	19.2	8.5	340	3.24	86.7	47.5	2.5	32	0.9	9.6	1.8	48	0.22	0.087	19	
20110673	Soil	18.7	87.7	21.3	88	1.3	14.9	5.9	239	2.27	45.2	16.8	2.9	18	0.5	3.8	1.2	44	0.16	0.038	15	
20110674	Soil	16.0	118.4	27.9	144	1.5	19.9	8.3	368	3.00	34.9	26.0	3.0	24	1.0	4.8	1.8	58	0.23	0.064	15	
20110675	Soil	9.4	94.7	20.5	72	2.3	9.1	5.9	286	2.32	24.8	25.1	1.0	25	2.0	5.0	2.2	51	0.17	0.082	9	
20110676	Soil	7.0	61.4	29.8	57	1.3	15.0	8.7	333	2.35	31.2	16.1	2.8	22	0.1	4.4	4.6	43	0.19	0.055	12	
20110677	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
20110678	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
20110679	Soil	1.4	11.7	6.2	19	0.5	3.1	3.2	70	0.99	1.4	2.9	0.3	8	<0.1	0.8	0.3	34	0.06	0.017	1	
20110681	Soil	5.2	70.4	25.8	53	0.9	12.6	4.6	130	2.71	17.1	14.4	5.1	50	0.1	4.9	3.2	40	0.24	0.077	19	
20110682	Soil	10.8	251.0	25.4	50	1.4	12.4	4.7	144	3.64	19.2	12.4	4.6	61	0.1	1.8	9.0	44	0.17	0.079	14	
20110683	Soil	8.3	256.1	19.1	52	1.3	16.0	6.9	221	3.80	14.6	12.0	5.7	59	0.2	1.4	3.3	52	0.19	0.070	18	
20110001	Soil	5.2	105.7	20.5	49	0.3	9.1	6.6	247	3.21	28.1	30.7	5.1	31	0.2	2.7	9.0	46	0.20	0.086	12	
20110002	Soil	1.0	76.0	22.2	57	1.1	12.3	5.3	152	2.53	23.2	16.6	4.6	27	0.2	1.3	7.9	39	0.21	0.056	12	
20110003	Soil	1.1	90.1	21.8	47	1.0	8.6	4.7	140	2.45	17.3	12.3	4.5	28	0.1	1.8	8.4	32	0.19	0.069	13	
20110004	Soil	0.8	22.0	10.4	33	0.2	8.3	4.2	154	1.88	8.2	17.3	4.1	18	<0.1	1.2	2.4	33	0.22	0.063	12	
20110005	Soil	1.7	22.6	18.5	35	0.4	7.9	3.8	114	2.40	12.4	60.2	3.9	21	0.1	2.8	4.5	35	0.17	0.068	17	
20110006	Soil	1.5	16.8	22.6	33	0.3	7.8	3.6	109	2.49	13.4	15.6	5.0	22	<0.1	3.6	3.6	35	0.19	0.075	14	
20110007	Soil	2.6	37.6	33.6	46	0.4	8.2	4.0	120	3.33	21.9	69.7	6.4	51	0.1	6.7	6.2	32	0.14	0.113	15	
20110008	Soil	5.4	46.8	38.2	59	0.6	6.6	4.6	135	5.07	45.4	215.3	12.3	64	0.1	12.8	14.5	16	0.08	0.099	19	
20110009	Soil	2.2	38.0	18.9	50	0.3	10.3	5.0	143	3.17	29.8	47.9	5.9	31	<0.1	8.8	4.2	36	0.18	0.074	17	
20110010	Soil	3.3	36.6	20.6	42	0.5	8.2	4.5	160	3.41	31.6	29.8	4.3	70	0.1	13.7	2.5	27	0.11	0.067	15	



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CERTIFICATE OF ANALYSIS

WHI11000734.1

	Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
			ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
			MDL	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
20110671	Soil	18	0.34	136	0.034	<1	0.99	0.011	0.06	0.2	0.03	1.9	0.2	<0.05	3	<0.5	<0.2	
20110672	Soil	31	0.43	528	0.013	<1	2.24	0.011	0.12	0.2	0.14	3.2	0.3	<0.05	5	<0.5	0.3	
20110673	Soil	25	0.36	177	0.040	<1	1.27	0.011	0.07	0.3	0.03	2.6	0.2	<0.05	5	<0.5	<0.2	
20110674	Soil	35	0.60	200	0.046	1	2.04	0.013	0.12	0.2	0.07	3.5	0.2	<0.05	6	<0.5	0.2	
20110675	Soil	16	0.16	158	0.045	2	1.10	0.018	0.06	<0.1	0.11	1.8	0.1	<0.05	3	<0.5	<0.2	
20110676	Soil	28	0.48	143	0.055	1	1.48	0.012	0.08	0.3	0.04	2.4	0.2	<0.05	5	<0.5	0.2	
20110677	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
20110678	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
20110679	Soil	6	0.10	27	0.056	<1	0.20	0.022	0.02	<0.1	<0.01	0.4	<0.1	<0.05	2	<0.5	<0.2	
20110681	Soil	26	0.51	262	0.042	<1	1.63	0.020	0.12	0.2	0.04	2.6	0.2	0.10	5	0.8	0.4	
20110682	Soil	27	0.55	97	0.056	<1	1.98	0.026	0.09	7.6	0.04	2.7	0.1	0.10	5	0.8	0.6	
20110683	Soil	30	0.54	131	0.058	<1	2.07	0.039	0.12	2.0	0.03	3.0	0.1	0.16	6	0.7	0.3	
20110001	Soil	18	0.41	111	0.061	<1	1.01	0.015	0.09	0.5	0.01	2.2	0.1	<0.05	4	<0.5	0.5	
20110002	Soil	23	0.45	128	0.059	<1	1.30	0.013	0.08	0.2	0.03	2.5	0.1	<0.05	4	0.6	0.3	
20110003	Soil	16	0.35	119	0.045	<1	0.93	0.014	0.06	0.2	0.01	1.7	0.1	<0.05	3	<0.5	0.3	
20110004	Soil	16	0.30	77	0.050	<1	0.72	0.011	0.05	0.2	0.01	1.4	<0.1	<0.05	2	<0.5	<0.2	
20110005	Soil	17	0.31	116	0.036	<1	0.98	0.010	0.06	0.2	0.03	1.8	0.2	<0.05	3	<0.5	0.3	
20110006	Soil	17	0.33	135	0.039	1	0.91	0.010	0.07	0.2	0.03	1.7	0.2	<0.05	3	<0.5	0.4	
20110007	Soil	19	0.30	271	0.018	<1	1.02	0.015	0.15	0.1	0.13	2.3	0.3	0.16	3	0.9	0.3	
20110008	Soil	12	0.14	131	0.008	<1	0.55	0.028	0.49	0.1	0.06	1.2	0.6	1.04	2	0.7	1.5	
20110009	Soil	20	0.38	241	0.038	<1	1.08	0.012	0.12	0.2	0.08	2.3	0.2	0.06	3	0.9	0.2	
20110010	Soil	16	0.24	209	0.013	<1	0.93	0.016	0.19	0.1	0.09	1.5	0.3	0.29	3	2.1	0.4	



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Project: Charlotte Project
Report Date: August 10, 2011

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CERTIFICATE OF ANALYSIS

WHI11000734.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001	La ppm 1
20110012	Soil	3.4	30.5	18.9	42	0.2	10.0	4.2	139	3.69	17.9	32.4	4.5	59	0.1	5.1	2.0	26	0.15	0.073	14
20110013	Soil	2.0	22.2	25.4	41	0.3	13.2	5.5	187	2.43	16.4	21.7	3.3	34	0.2	4.9	1.7	48	0.17	0.049	14
20110014	Soil	1.0	25.1	14.0	42	0.2	9.3	7.5	213	2.99	9.5	9.1	3.4	28	0.2	1.3	1.0	69	0.18	0.081	12
20110015	Soil	0.9	33.7	15.5	39	0.2	10.4	6.0	188	3.26	16.7	53.2	9.4	87	0.2	0.7	3.4	42	0.16	0.057	24
20110016	Soil	1.4	21.0	20.9	36	0.4	6.2	4.4	102	2.94	29.0	88.6	8.4	47	0.1	2.7	5.9	24	0.12	0.061	21
20110017	Soil	1.0	30.3	20.5	34	0.4	8.7	4.8	149	3.02	19.2	38.0	5.8	29	0.2	7.0	5.0	42	0.11	0.048	13
20110018	Soil	1.0	36.7	19.5	34	0.3	8.5	4.2	116	2.29	14.3	22.2	2.2	30	0.1	1.4	4.5	45	0.14	0.043	13
20110826	Soil	7.8	30.3	15.7	22	0.9	5.8	2.9	118	1.66	7.5	10.5	0.6	29	0.1	0.8	1.3	24	0.13	0.076	8
20110827	Soil	6.4	87.8	24.5	24	1.0	9.1	3.3	70	5.09	20.9	4.5	8.0	74	0.1	2.3	4.5	41	0.06	0.137	26
20110833	Soil	0.7	49.0	16.0	56	0.5	7.5	6.5	237	1.78	23.9	19.0	4.3	37	0.8	0.8	2.8	34	0.31	0.077	13
20110834	Soil	1.3	80.2	14.3	28	0.4	6.1	3.8	68	1.51	3.6	13.8	1.8	24	0.2	1.7	3.0	28	0.20	0.063	12
20110835	Soil	4.3	79.5	28.1	104	0.9	12.5	12.0	468	4.21	37.2	58.2	9.0	58	1.1	3.6	10.6	50	0.30	0.077	19
20110836	Soil	1.1	36.4	111.3	160	7.4	10.7	8.6	507	2.95	50.8	85.5	6.0	21	1.0	2.4	10.1	56	0.22	0.077	24
20110829	Soil	1.0	49.9	20.0	53	0.4	8.7	4.6	117	1.74	24.1	25.6	5.7	39	0.4	1.4	3.0	42	0.42	0.068	13
20110831	Soil	1.1	72.5	16.3	62	0.5	8.3	6.2	117	1.85	20.1	22.2	5.3	43	0.9	0.9	3.3	40	0.31	0.077	13



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CERTIFICATE OF ANALYSIS

WHI11000734.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
20110012	Soil	18	0.25	269	0.016	<1	0.77	0.028	0.26	0.1	0.05	1.4	0.3	0.54	3	3.2	<0.2
20110013	Soil	26	0.37	152	0.054	<1	1.05	0.013	0.09	0.2	0.03	2.0	0.1	<0.05	5	0.9	<0.2
20110014	Soil	20	0.30	185	0.054	<1	1.48	0.017	0.07	0.2	0.03	2.1	0.1	<0.05	6	<0.5	<0.2
20110015	Soil	20	0.51	196	0.026	<1	1.54	0.056	0.12	0.1	0.01	2.6	0.2	0.22	5	<0.5	0.3
20110016	Soil	11	0.21	183	0.015	<1	0.71	0.018	0.12	0.1	0.02	1.5	0.2	0.16	2	<0.5	0.5
20110017	Soil	16	0.32	155	0.040	<1	0.97	0.022	0.09	0.2	0.02	1.9	0.2	0.09	4	<0.5	0.3
20110018	Soil	17	0.30	159	0.033	<1	1.29	0.014	0.06	0.1	0.01	2.0	0.2	0.08	5	<0.5	0.2
20110826	Soil	10	0.21	286	0.006	1	1.13	0.018	0.07	1.4	0.06	0.8	0.1	0.08	4	<0.5	<0.2
20110827	Soil	17	0.19	272	0.018	<1	1.25	0.082	0.32	0.6	0.04	1.5	0.3	0.75	4	0.9	0.2
20110833	Soil	14	0.32	129	0.046	<1	1.04	0.014	0.05	0.3	0.03	2.8	0.2	0.06	3	<0.5	<0.2
20110834	Soil	12	0.28	176	0.021	<1	1.09	0.014	0.04	0.4	0.09	2.6	0.2	0.09	3	0.7	<0.2
20110835	Soil	22	0.49	220	0.037	<1	1.35	0.036	0.10	1.7	0.31	4.0	0.2	0.17	4	1.0	0.5
20110836	Soil	24	0.40	188	0.012	<1	1.83	0.009	0.07	0.1	0.14	4.5	0.4	<0.05	6	<0.5	0.3
20110829	Soil	17	0.37	146	0.056	<1	1.07	0.016	0.06	0.4	0.03	3.3	0.1	0.15	4	<0.5	<0.2
20110831	Soil	16	0.37	157	0.052	<1	1.21	0.014	0.05	0.4	0.03	3.3	0.2	0.08	4	<0.5	<0.2



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Project: Charlotte Project

Report Date: August 10, 2011

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QUALITY CONTROL REPORT

WHI11000734.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
20110002	Soil	1.0	76.0	22.2	57	1.1	12.3	5.3	152	2.53	23.2	16.6	4.6	27	0.2	1.3	7.9	39	0.21	0.056	12
REP 20110002	QC	1.1	74.6	23.0	59	1.1	12.3	5.4	154	2.61	24.2	24.1	4.9	27	0.1	1.3	7.7	40	0.21	0.061	12
Reference Materials																					
STD DS8	Standard	11.2	104.5	120.4	302	1.6	37.2	7.0	570	2.37	27.3	97.7	6.2	60	2.2	5.3	6.0	40	0.62	0.082	12
STD DS8	Standard	12.0	100.3	119.7	292	1.6	35.3	7.0	573	2.40	25.7	112.7	6.3	60	2.2	5.5	5.9	37	0.65	0.082	13
STD DS8	Standard	14.2	125.8	134.0	344	2.0	43.1	8.6	682	2.75	28.8	124.9	7.3	75	2.4	6.6	7.3	49	0.73	0.091	15
STD DS8	Standard	13.9	120.9	126.8	330	1.9	41.0	8.1	642	2.57	27.3	113.4	7.2	72	2.2	6.4	7.1	45	0.72	0.084	15
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.04	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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QUALITY CONTROL REPORT

WHI11000734.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
Pulp Duplicates																	
20110002	Soil	23	0.45	128	0.059	<1	1.30	0.013	0.08	0.2	0.03	2.5	0.1	<0.05	4	0.6	0.3
REP 20110002	QC	24	0.46	129	0.061	<1	1.33	0.014	0.08	0.2	0.03	2.4	0.1	<0.05	4	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	108	0.57	268	0.098	2	0.86	0.084	0.39	2.8	0.16	1.9	5.0	0.15	4	5.2	4.7
STD DS8	Standard	109	0.59	282	0.105	2	0.87	0.082	0.39	2.9	0.17	2.1	5.1	0.15	5	5.4	4.9
STD DS8	Standard	137	0.68	290	0.141	2	1.00	0.098	0.47	3.0	0.22	2.4	5.7	0.17	5	5.1	6.0
STD DS8	Standard	126	0.65	295	0.135	3	0.96	0.094	0.43	2.9	0.22	2.1	5.6	0.13	5	4.7	5.9
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<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
BLK	Blank	<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



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Submitted By: Gary Schellenberg

Receiving Lab: Canada-Whitehorse

Received: July 29, 2011

Report Date: September 04, 2011

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CERTIFICATE OF ANALYSIS

WHI11000932.1

CLIENT JOB INFORMATION

Project: Charlotte Project
Shipment ID: CHAR11-017
P.O. Number
Number of Samples: 322

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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: Coast Mountain Geological
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Vancouver BC V6B 4N9
Canada

CC: Nicola Struyk
Bernie Dewonek
Peter Dadson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	321	Dry at 60C			WHI
SS80	321	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	321	Saving all or part of Soil Reject			WHI
1DX2	318	1:1:1 Aqua Regia digestion ICP-MS analysis	15	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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Project: Charlotte Project

Report Date: September 04, 2011

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CERTIFICATE OF ANALYSIS

WHI11000932.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
20110019	Soil	0.7	16.4	24.4	38	0.6	7.0	4.0	133	1.23	13.2	5.6	1.2	15	0.3	2.3	1.1	28	0.18	0.038
20110020	Soil	2.4	25.7	24.7	64	0.3	12.2	9.5	405	2.57	32.8	12.9	5.2	21	0.6	2.2	1.4	47	0.30	0.068
20110021	Soil	2.2	54.7	52.8	104	1.6	14.4	6.5	261	2.53	37.4	20.7	1.5	24	2.5	3.9	2.1	50	0.29	0.054
20110022	Soil	2.3	46.5	51.7	87	1.6	14.7	6.0	208	2.30	29.8	15.3	1.2	21	1.9	3.2	1.7	48	0.25	0.052
20110023	Soil	0.9	36.7	50.5	92	2.5	12.2	6.4	258	2.31	47.3	18.7	3.4	19	0.7	6.1	7.9	44	0.25	0.050
20110024	Soil	0.4	25.1	10.1	18	0.4	5.9	2.0	48	0.72	5.0	3.4	<0.1	11	0.4	0.7	0.3	18	0.10	0.057
20110025	Soil	1.8	23.6	25.2	27	0.9	6.2	5.4	446	1.92	13.7	7.6	0.1	20	1.3	2.1	0.3	22	0.21	0.167
20110026	Soil	0.4	13.1	12.5	47	0.2	5.2	4.5	510	1.36	5.2	2.9	0.3	22	0.9	0.8	0.2	46	0.36	0.098
20110027	Soil	0.5	14.9	7.4	49	0.2	6.9	5.8	258	2.07	5.8	1.3	0.4	17	0.5	0.4	<0.1	72	0.25	0.065
20110028	Soil	1.5	28.1	97.9	251	1.3	12.4	8.4	582	2.19	66.1	9.7	0.6	46	3.9	2.4	0.8	45	0.57	0.102
20110029	Soil	1.3	9.5	6.1	27	0.3	9.0	4.9	494	1.18	4.1	1.4	0.2	14	0.5	0.2	<0.1	40	0.20	0.054
20110030	Soil	2.2	20.9	248.7	350	0.8	13.1	7.4	585	2.79	208.3	110.4	2.6	22	4.3	3.9	0.3	47	0.30	0.066
20110033	Soil	0.7	13.4	16.0	23	0.5	5.3	13.6	1396	1.73	16.0	4.0	0.4	21	1.0	0.4	<0.1	45	0.24	0.079
20110034	Soil	0.4	17.0	30.7	93	1.2	12.8	8.5	322	2.30	53.9	29.6	1.5	31	0.4	1.4	0.3	62	0.34	0.076
20110035	Soil	0.3	16.2	5.7	35	0.2	8.8	4.5	136	1.46	6.3	3.4	0.6	27	<0.1	0.5	<0.1	41	0.33	0.070
20110036	Soil	0.5	21.2	7.9	31	0.2	5.9	8.6	1461	1.07	7.0	4.2	0.1	43	1.1	0.8	<0.1	36	0.53	0.078



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
20110019	Soil	11	0.22	85	0.028	1	0.75	0.021	0.04	0.1	<0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
20110020	Soil	21	0.51	121	0.029	1	1.43	0.009	0.07	0.2	0.05	3.4	0.1	<0.05	4	<0.5	<0.2
20110021	Soil	24	0.36	151	0.022	1	1.55	0.012	0.08	0.2	0.04	2.8	0.2	<0.05	6	<0.5	<0.2
20110022	Soil	24	0.28	121	0.026	1	1.28	0.017	0.07	0.2	0.05	2.3	0.1	<0.05	5	<0.5	<0.2
20110023	Soil	21	0.45	115	0.036	<1	1.35	0.009	0.08	0.2	0.03	2.9	0.2	<0.05	4	<0.5	<0.2
20110024	Soil	9	0.07	61	0.011	<1	0.42	0.020	0.02	<0.1	0.04	0.4	<0.1	0.05	2	<0.5	<0.2
20110025	Soil	9	0.07	106	0.008	1	0.46	0.015	0.02	<0.1	0.12	0.9	0.1	0.18	1	<0.5	<0.2
20110026	Soil	7	0.11	78	0.046	1	0.38	0.020	0.02	<0.1	0.02	0.9	<0.1	0.07	2	<0.5	<0.2
20110027	Soil	11	0.15	60	0.079	<1	0.39	0.018	0.02	<0.1	0.02	0.9	<0.1	<0.05	3	<0.5	<0.2
20110028	Soil	18	0.33	220	0.025	<1	1.35	0.020	0.05	0.1	0.06	1.7	0.2	0.08	5	<0.5	<0.2
20110029	Soil	14	0.07	33	0.048	<1	0.22	0.018	<0.01	<0.1	0.01	0.6	<0.1	<0.05	2	<0.5	<0.2
20110030	Soil	22	0.43	138	0.038	<1	1.06	0.013	0.06	0.2	0.03	2.6	0.1	<0.05	4	<0.5	<0.2
20110033	Soil	12	0.11	97	0.053	<1	0.55	0.024	0.02	0.1	0.05	0.9	<0.1	0.07	3	<0.5	<0.2
20110034	Soil	29	0.69	142	0.053	<1	2.07	0.016	0.08	0.1	0.05	2.7	0.2	<0.05	6	<0.5	<0.2
20110035	Soil	16	0.30	102	0.049	<1	0.92	0.024	0.04	0.2	0.04	1.5	<0.1	<0.05	3	<0.5	<0.2
20110036	Soil	7	0.12	120	0.040	1	0.46	0.021	0.03	<0.1	0.06	1.0	0.1	0.13	2	<0.5	<0.2
20110037	Soil	25	0.49	106	0.067	<1	1.45	0.015	0.11	0.1	0.02	2.5	0.1	<0.05	4	<0.5	<0.2



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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1



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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL	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



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
20110082	Soil	1.0	11.8	9.1	35	<0.1	9.6	3.9	133	1.81	10.3	1.1	0.6	18	0.2	0.4	0.2	55	0.20	0.034	6			
20110084	Soil	0.6	17.4	5.9	36	0.1	10.3	5.2	249	1.50	8.8	2.4	0.4	30	0.4	0.5	0.1	37	0.33	0.062	7			
20110093	Soil	0.9	28.7	33.5	113	3.2	14.3	10.9	629	2.06	50.4	29.7	0.8	53	1.0	3.8	0.2	47	0.65	0.077	14			
20110094	Soil	1.1	22.5	31.1	59	1.9	14.9	13.3	1024	2.03	21.1	15.3	0.8	47	0.6	2.3	0.2	51	0.54	0.084	11			
20110095	Soil	0.8	17.3	7.9	25	0.5	8.3	3.2	134	1.12	5.8	4.1	0.1	21	0.4	0.5	0.1	25	0.20	0.112	6			
20110096	Soil	0.7	21.7	23.4	54	0.3	13.5	7.6	313	1.91	14.3	7.0	0.8	21	0.1	0.8	0.2	47	0.23	0.065	8			
20110097	Soil	1.0	20.6	12.6	23	0.5	7.3	17.4	1734	1.11	6.3	3.8	0.1	31	0.7	0.4	<0.1	28	0.33	0.102	9			
20110098	Soil	0.6	16.4	15.7	56	0.2	11.2	8.0	889	1.82	9.8	6.8	0.7	40	0.8	0.6	0.1	46	0.43	0.094	10			
20110099	Soil	0.4	20.3	40.4	72	1.3	9.9	5.0	136	1.78	38.0	20.8	1.7	26	0.5	6.8	0.5	49	0.31	0.063	10			
20110100	Soil	0.4	8.0	36.3	91	0.8	8.6	4.1	121	1.33	16.8	16.7	1.8	23	0.3	2.7	0.5	34	0.30	0.053	10			
20110101	Soil	0.6	11.6	52.3	92	0.5	7.7	4.4	169	1.51	25.7	8.2	1.4	25	0.7	3.2	0.4	41	0.29	0.048	8			
20110102	Soil	1.0	14.8	131.4	285	0.8	9.5	7.1	613	2.22	98.8	22.9	1.3	25	4.5	3.3	0.4	49	0.38	0.055	8			
20110103	Soil	0.8	21.1	23.8	75	1.3	6.7	1.3	48	0.69	9.4	8.2	0.1	76	4.8	0.8	0.1	16	0.92	0.094	12			
20110104	Soil	0.7	14.8	40.6	148	0.8	13.3	4.8	181	2.01	31.0	22.9	2.3	22	0.9	1.9	0.4	45	0.29	0.055	10			
20110105	Soil	0.9	31.2	57.6	185	0.9	9.6	6.3	383	2.39	56.6	12.2	1.7	28	0.9	2.9	2.0	47	0.37	0.053	9			
20110106	Soil	0.5	11.9	41.1	74	0.2	9.9	4.6	147	1.41	12.1	5.0	1.9	17	0.3	1.3	0.9	46	0.23	0.041	9			
20110107	Soil	0.6	14.5	13.1	51	0.2	6.2	3.4	129	1.51	12.8	4.3	1.7	19	0.2	1.8	0.6	40	0.27	0.049	8			
20110108	Soil	2.4	58.3	20.8	87	1.8	11.4	7.2	905	3.35	52.2	16.0	1.5	24	0.5	6.0	4.5	58	0.22	0.104	9			



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
20110082	Soil	20	0.32	77	0.070	<1	1.08	0.015	0.06	0.2	0.02	1.4	0.1	<0.05	7	<0.5	<0.2
20110084	Soil	18	0.39	120	0.044	<1	1.19	0.021	0.06	0.1	0.05	1.3	<0.1	0.07	4	<0.5	<0.2
20110093	Soil	22	0.51	160	0.046	2	1.62	0.022	0.12	0.1	0.08	3.0	0.2	0.11	5	<0.5	<0.2
20110094	Soil	26	0.47	165	0.062	3	1.52	0.020	0.08	0.2	0.07	2.5	0.2	0.09	4	<0.5	<0.2
20110095	Soil	14	0.15	82	0.013	2	0.88	0.015	0.03	0.1	0.09	0.5	0.1	0.13	2	<0.5	<0.2
20110096	Soil	24	0.46	118	0.061	1	1.56	0.021	0.06	0.1	0.06	2.2	0.1	0.07	4	<0.5	<0.2
20110097	Soil	11	0.11	162	0.021	1	0.88	0.021	0.02	<0.1	0.06	0.8	0.1	0.12	2	<0.5	<0.2
20110098	Soil	24	0.50	177	0.056	1	1.47	0.032	0.05	0.2	0.05	2.2	0.1	0.08	5	<0.5	<0.2
20110099	Soil	24	0.55	119	0.056	1	1.67	0.015	0.05	0.1	0.05	3.6	0.2	<0.05	5	<0.5	<0.2
20110100	Soil	18	0.45	135	0.050	<1	1.31	0.012	0.06	0.2	0.05	2.3	0.2	<0.05	4	<0.5	<0.2
20110101	Soil	18	0.45	128	0.045	1	1.25	0.014	0.05	0.2	0.03	2.1	0.1	<0.05	4	<0.5	<0.2
20110102	Soil	17	0.42	112	0.045	1	1.11	0.017	0.06	0.1	0.04	2.3	0.2	<0.05	4	<0.5	<0.2
20110103	Soil	7	0.13	131	0.017	2	0.63	0.023	0.03	<0.1	0.06	0.7	<0.1	0.20	2	<0.5	<0.2
20110104	Soil	23	0.46	127	0.042	1	1.68	0.011	0.07	0.2	0.04	3.0	0.2	<0.05	5	<0.5	<0.2
20110105	Soil	19	0.40	132	0.039	1	1.36	0.011	0.06	0.2	0.04	3.0	0.2	<0.05	4	<0.5	<0.2
20110106	Soil	21	0.45	132	0.054	<1	1.39	0.010	0.05	0.2	0.01	2.3	0.1	<0.05	5	<0.5	<0.2
20110107	Soil	13	0.35	98	0.055	<1	1.03	0.020	0.04	0.2	0.02	2.1	0.1	<0.05	4	<0.5	<0.2
20110108	Soil	21	0.26	166	0.016	<1	1.72	0.017	0.06	0.1	0.09	3.5	0.3	<0.05	6	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
20110109	Soil	1.1	30.3	19.2	87	0.3	12.4	5.8	237	2.40	37.7	8.8	3.4	20	0.5	2.5	2.3	45	0.28	0.060	12
20110110	Soil	1.0	45.8	16.1	60	2.2	6.9	2.9	108	1.21	13.1	16.3	0.2	23	3.2	2.4	0.8	27	0.23	0.075	7
20110111	Soil	0.9	47.7	9.8	30	0.9	7.6	3.1	521	0.88	8.5	12.2	0.5	70	1.7	2.1	0.6	18	1.71	0.131	20
20110112	Soil	2.0	27.2	11.2	19	0.7	5.5	11.4	2231	1.63	15.9	11.2	0.8	39	0.2	1.1	0.5	27	0.67	0.083	13
20110113	Soil	0.4	15.6	14.8	77	0.4	7.7	4.5	304	1.59	25.7	11.3	0.9	38	0.4	1.9	0.2	36	0.47	0.063	8
20110114	Soil	0.6	18.1	13.8	60	0.4	8.7	5.7	586	1.58	26.9	12.2	0.7	43	0.5	1.5	0.1	40	0.49	0.058	9
20110115	Soil	0.4	7.9	12.9	52	0.2	6.4	5.7	471	1.64	25.9	5.2	1.6	24	0.2	1.6	<0.1	42	0.32	0.051	10
20110132	Soil	0.7	16.4	18.6	90	1.3	8.6	5.2	412	1.51	81.3	21.7	0.5	31	0.6	2.9	0.2	33	0.33	0.062	8
20110133	Soil	0.4	10.3	3.6	22	<0.1	6.0	5.1	212	1.34	5.7	1.9	0.3	15	<0.1	0.3	0.1	40	0.17	0.042	4
20110134	Soil	0.6	17.3	9.7	36	<0.1	9.9	5.8	203	1.53	8.5	2.6	0.6	19	0.2	0.5	0.2	36	0.21	0.058	8
20110135	Soil	1.1	14.4	13.2	40	0.2	9.3	6.2	242	1.72	22.5	12.4	0.6	22	0.1	1.1	0.1	39	0.24	0.063	9
20110136	Soil	1.2	15.6	14.7	42	0.3	10.0	6.3	214	1.79	22.9	19.1	0.6	21	0.1	1.3	0.2	39	0.24	0.069	10
20110137	Soil	0.7	13.8	46.3	76	0.9	9.2	6.9	383	1.69	52.0	14.8	1.4	19	0.5	2.9	0.2	38	0.25	0.054	8
20110138	Soil	0.5	8.1	8.5	32	0.2	5.9	4.5	157	1.34	9.0	3.1	0.5	13	0.3	0.6	<0.1	40	0.15	0.037	5



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
20110109	Soil	21	0.44	127	0.040	<1	1.40	0.010	0.07	0.3	0.03	2.9	0.2	<0.05	4	<0.5	<0.2
20110110	Soil	10	0.12	104	0.017	1	0.70	0.020	0.04	<0.1	0.07	1.0	0.1	0.09	2	<0.5	<0.2
20110111	Soil	9	0.16	144	0.012	3	0.64	0.019	0.03	<0.1	0.12	1.9	<0.1	0.30	1	<0.5	<0.2
20110112	Soil	11	0.15	147	0.023	<1	0.94	0.030	0.03	0.1	0.08	2.0	0.1	0.14	4	<0.5	<0.2
20110113	Soil	13	0.32	135	0.026	<1	1.39	0.025	0.08	0.2	0.06	2.7	0.1	0.06	4	<0.5	<0.2
20110114	Soil	14	0.26	154	0.040	<1	1.31	0.024	0.06	0.2	0.04	1.9	0.1	0.06	4	<0.5	<0.2
20110115	Soil	13	0.25	103	0.049	<1	0.97	0.017	0.05	0.2	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
20110132	Soil	14	0.27	108	0.031	<1	0.96	0.018	0.07	0.2	0.05	1.7	<0.1	0.07	3	<0.5	<0.2
20110133	Soil	11	0.17	63	0.050	<1	0.61	0.019	0.03	<0.1	0.03	1.0	<0.1	0.05	3	<0.5	<0.2
20110134	Soil	16	0.32	104	0.039	1	1.09	0.016	0.05	0.1	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
20110135	Soil	15	0.32	91	0.028	<1	1.05	0.014	0.05	0.2	0.04	1.5	<0.1	0.06	4	<0.5	<0.2
20110136	Soil	17	0.36	98	0.030	<1	1.20	0.013	0.05	0.3	0.04	1.6	<0.1	0.07	4	<0.5	<0.2
20110137	Soil	16	0.39	102	0.044	<1	1.03	0.014	0.07	0.2	0.03	1.8	0.1	<0.05	3	<0.5	<0.2
20110138	Soil	11	0.23	58	0.047	<1	0.64	0.014	0.04	0.2	0.06	0.9	<0.1	<0.05	3	<0.5	<0.2



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		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001	La ppm 1
20110139	Soil	0.4	11.9	20.8	71	0.9	11.4	5.9	226	1.68	19.0	22.6	1.3	20	0.5	0.9	0.1	40	0.25	0.065	8
20110140	Soil	0.4	17.4	15.5	64	1.2	2.8	2.6	270	0.62	13.7	10.3	0.2	18	1.9	1.4	0.9	10	0.37	0.052	5
20110141	Soil	0.6	12.6	6.1	27	0.5	4.2	1.5	54	0.64	4.0	4.2	0.1	37	1.0	0.5	0.1	14	0.40	0.074	5
20110142	Soil	2.2	27.1	40.4	109	1.5	11.0	25.1	2257	5.15	65.4	30.3	2.5	31	0.5	3.2	1.1	61	0.38	0.093	11
20110143	Soil	<0.1	8.3	0.8	7	<0.1	1.0	1.2	22	0.44	0.5	<0.5	<0.1	9	0.2	<0.1	<0.1	14	0.10	0.045	2
20110144	Soil	0.5	23.8	5.7	19	0.4	4.5	2.2	71	0.84	8.1	2.3	0.2	27	0.4	0.7	0.6	18	0.30	0.064	6
20110145	Soil	0.7	27.9	5.3	31	1.0	6.7	4.7	565	1.06	13.1	9.7	0.1	35	0.7	1.6	0.3	24	0.42	0.107	12
20110146	Soil	1.8	67.1	122.3	116	9.0	10.4	23.4	2097	3.32	170.1	121.2	4.7	31	1.5	14.4	6.7	43	0.34	0.103	16
20110147	Soil	1.4	25.3	13.2	31	1.2	5.9	9.0	1484	1.19	27.6	22.9	0.3	39	1.8	2.0	0.6	19	0.47	0.105	13
20110148	Soil	0.6	25.3	10.0	16	1.5	3.1	1.2	31	0.78	18.3	14.0	0.5	18	0.1	1.2	1.0	14	0.28	0.061	7
20110149	Soil	1.0	25.6	22.9	50	0.4	10.0	4.5	123	1.73	16.1	19.7	3.8	15	0.2	2.3	2.1	36	0.23	0.052	10
20110166	Soil	0.6	12.6	11.7	45	<0.1	11.5	5.9	198	2.12	30.7	4.9	2.5	21	0.3	1.3	0.2	50	0.23	0.039	10
20110167	Soil	0.9	18.6	12.2	37	0.1	11.1	5.3	161	1.89	21.4	8.5	1.1	21	0.3	0.8	0.2	54	0.18	0.040	9
20110168	Soil	0.8	17.8	16.3	71	0.1	15.7	10.2	394	2.62	46.9	5.1	2.1	27	0.4	1.8	0.4	66	0.19	0.053	10
20110169	Soil	0.7	14.1	23.1	87	0.3	13.9	9.0	510	2.30	58.5	37.4	2.5	30	0.3	2.3	0.2	57	0.29	0.040	11



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
20110139	Soil	23	0.48	110	0.055	<1	1.50	0.011	0.09	0.3	0.07	2.2	0.1	<0.05	5	<0.5	<0.2
20110140	Soil	4	0.10	75	0.013	<1	0.41	0.023	0.03	<0.1	0.07	0.7	<0.1	0.06	2	<0.5	<0.2
20110141	Soil	7	0.08	87	0.014	<1	0.49	0.019	0.02	<0.1	0.06	0.6	<0.1	0.11	2	<0.5	<0.2
20110142	Soil	24	0.45	165	0.021	<1	2.01	0.010	0.06	0.2	0.09	3.5	0.3	<0.05	6	<0.5	<0.2
20110143	Soil	2	0.04	17	0.028	<1	0.25	0.025	0.02	<0.1	<0.01	0.2	<0.1	<0.05	1	<0.5	<0.2
20110144	Soil	6	0.09	82	0.017	<1	0.61	0.019	0.02	<0.1	0.05	0.7	<0.1	0.08	2	<0.5	<0.2
20110145	Soil	9	0.10	132	0.011	<1	0.59	0.017	0.03	<0.1	0.09	0.8	0.1	0.14	2	<0.5	<0.2
20110146	Soil	20	0.24	187	0.008	<1	1.81	0.011	0.07	0.2	0.20	4.8	0.4	0.07	5	0.8	<0.2
20110147	Soil	9	0.12	147	0.009	<1	0.83	0.027	0.05	0.1	0.10	1.4	0.1	0.13	3	0.7	<0.2
20110148	Soil	7	0.08	70	0.015	<1	0.73	0.029	0.03	<0.1	0.06	1.2	<0.1	<0.05	2	<0.5	<0.2
20110149	Soil	21	0.42	97	0.039	<1	1.38	0.008	0.05	0.3	0.03	2.3	0.1	<0.05	4	<0.5	<0.2
20110166	Soil	19	0.35	91	0.061	<1	1.06	0.013	0.07	0.2	0.02	1.7	0.1	<0.05	4	<0.5	<0.2
20110167	Soil	20	0.33	101	0.067	<1	1.16	0.012	0.07	0.1	0.02	1.7	<0.1	0.06	6	<0.5	<0.2
20110168	Soil	28	0.57	144	0.076	2	1.89	0.017	0.11	0.2	0.06	2.5	0.2	<0.05	6	<0.5	<0.2
20110169	Soil	24	0.53	155	0.078	<1	1.49	0.020	0.09	0.2	0.02	2.6	0.1	<0.05	5	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
20110170	Soil	0.9	29.6	78.5	226	0.5	14.0	9.1	265	2.52	165.7	21.4	2.8	31	2.6	6.8	0.3	53	0.29	0.068
20110171	Soil	1.0	21.7	15.8	33	0.5	7.0	6.9	454	1.37	18.5	6.3	0.2	41	0.7	0.9	0.2	33	0.39	0.105
20110172	Soil	0.8	15.2	16.8	55	0.6	9.2	4.5	221	1.45	33.2	11.5	0.5	33	0.4	1.5	0.1	33	0.33	0.081
20110173	Soil	1.0	20.3	29.2	62	0.4	10.4	5.6	239	2.36	27.4	10.0	3.7	20	0.4	1.4	0.6	53	0.20	0.040
20110174	Soil	1.2	31.4	110.3	99	1.4	10.6	5.0	235	2.35	48.3	38.9	3.5	27	0.7	4.0	1.1	52	0.29	0.037
20110175	Soil	0.9	13.7	32.9	56	0.3	7.6	4.3	208	1.86	74.9	11.1	2.3	24	0.4	1.9	1.0	48	0.30	0.056
20110176	Soil	1.0	30.3	17.1	62	0.3	8.9	5.6	253	2.05	29.8	2.9	2.6	25	0.6	2.1	5.4	46	0.27	0.041
20110177	Soil	1.3	49.2	35.8	48	1.8	11.5	13.1	1903	1.58	64.5	18.8	0.4	63	1.8	2.9	0.8	26	0.66	0.131
20110178	Soil	1.1	48.6	37.9	43	3.2	9.4	13.0	1056	1.77	86.2	26.6	0.8	48	1.0	2.8	0.8	32	0.50	0.117
20110179	Soil	0.5	12.5	10.2	27	0.5	4.6	2.9	245	0.77	5.4	3.1	0.3	19	0.8	1.2	0.6	19	0.15	0.024
20110180	Soil	1.1	23.0	21.3	78	0.3	8.8	7.5	415	2.07	49.4	11.8	3.3	23	0.7	2.5	1.0	46	0.26	0.053
20110181	Soil	0.8	19.3	8.3	29	0.3	5.8	2.8	129	0.95	17.2	4.0	0.3	31	0.5	1.2	0.4	22	0.38	0.044
20110195	Soil	0.9	28.3	46.4	52	0.4	12.5	7.8	243	2.11	40.2	11.2	1.6	23	0.4	2.1	0.2	52	0.22	0.054
20110196	Soil	0.3	8.1	3.0	17	0.1	2.2	2.8	56	1.09	1.9	1.3	<0.1	10	0.1	0.2	<0.1	37	0.07	0.034
20110197	Soil	0.2	12.6	4.5	18	0.2	2.9	2.6	73	0.96	5.2	1.5	<0.1	13	0.3	0.4	<0.1	30	0.11	0.040
20110198	Soil	1.4	97.4	4784	859	23.6	14.7	12.5	850	4.77	2912	1378	3.3	50	22.8	70.1	0.2	58	0.34	0.080
20110199	Soil	0.9	73.2	2766	633	16.1	13.8	10.6	670	4.06	1902	570.7	3.0	44	14.6	45.5	0.2	56	0.31	0.082
20110200	Soil	0.3	10.3	59.7	106	0.8	3.8	2.5	96	0.96	82.4	16.2	0.1	15	2.3	1.6	<0.1	30	0.11	0.029



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
20110170	Soil	26	0.51	160	0.055	<1	1.70	0.019	0.09	0.2	0.04	3.6	0.2	<0.05	5	<0.5	<0.2
20110171	Soil	13	0.17	165	0.028	<1	0.98	0.027	0.03	0.1	0.06	0.8	0.1	0.14	3	<0.5	<0.2
20110172	Soil	16	0.28	140	0.033	1	1.04	0.022	0.05	0.2	0.04	1.2	<0.1	0.07	4	<0.5	<0.2
20110173	Soil	20	0.37	126	0.040	1	1.59	0.011	0.07	0.2	0.02	2.9	0.1	<0.05	6	<0.5	<0.2
20110174	Soil	20	0.39	131	0.037	<1	1.31	0.009	0.05	0.2	0.03	2.7	0.2	<0.05	5	<0.5	<0.2
20110175	Soil	17	0.37	98	0.041	<1	1.06	0.012	0.05	0.2	0.02	2.0	0.1	<0.05	4	<0.5	<0.2
20110176	Soil	16	0.32	102	0.044	<1	0.99	0.014	0.06	0.2	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
20110177	Soil	12	0.16	246	0.017	2	1.19	0.031	0.05	0.1	0.10	2.0	0.2	0.16	3	0.5	<0.2
20110178	Soil	13	0.16	188	0.019	<1	1.27	0.027	0.05	0.2	0.10	2.9	0.2	0.10	3	<0.5	<0.2
20110179	Soil	7	0.13	93	0.025	<1	0.65	0.023	0.04	<0.1	0.04	1.0	0.1	<0.05	3	<0.5	<0.2
20110180	Soil	16	0.34	117	0.043	<1	1.24	0.013	0.06	0.2	0.01	2.0	0.1	<0.05	4	<0.5	<0.2
20110181	Soil	9	0.19	112	0.027	<1	0.80	0.030	0.04	0.1	0.02	0.8	<0.1	<0.05	3	<0.5	<0.2
20110182	Soil	10	0.17	60	0.052	<1	0.73	0.023	0.05	0.1	0.01	1.0	<0.1	<0.05	4	<0.5	<0.2
20110195	Soil	23	0.43	113	0.065	<1	1.41	0.021	0.07	0.2	0.04	2.5	0.1	<0.05	5	<0.5	<0.2
20110196	Soil	5	0.04	17	0.036	<1	0.27	0.026	0.02	<0.1	0.03	0.1	<0.1	<0.05	2	<0.5	<0.2
20110197	Soil	6	0.07	26	0.031	<1	0.40	0.031	0.03	<0.1	0.02	0.2	<0.1	<0.05	2	<0.5	<0.2
20110198	Soil	24	0.44	138	0.041	2	1.28	0.019	0.29	0.2	0.17	5.3	0.7	0.35	5	<0.5	<0.2
20110199	Soil	22	0.42	119	0.042	2	1.28	0.018	0.24	0.3	0.12	4.3	0.6	0.27	4	<0.5	<0.2
20110200	Soil	7	0.10	42	0.032	<1	0.44	0.020	0.03	<0.1	0.04	0.6	<0.1	<0.05	2	<0.5	<0.2



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		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001	La ppm 1
20110201	Soil	<0.1	2.8	2.0	7	<0.1	0.8	1.0	19	0.35	0.7	1.0	<0.1	6	0.1	0.1	<0.1	14	0.03	0.010	<1
20110202	Soil	0.9	42.3	37.4	73	0.5	6.5	10.2	843	2.64	39.6	36.2	12.2	32	1.0	2.4	2.4	48	0.45	0.065	16
20110203	Soil	0.6	16.5	11.4	25	0.8	4.0	3.4	412	0.84	25.0	9.6	0.2	19	1.0	1.1	0.5	16	0.21	0.066	8
20110204	Soil	<0.1	3.7	1.5	8	0.1	1.1	1.0	30	0.43	0.7	2.3	<0.1	9	0.2	0.1	<0.1	17	0.06	0.020	1
20110205	Soil	0.3	7.7	3.0	14	0.5	1.8	1.2	30	0.46	4.4	3.5	<0.1	10	0.4	0.3	0.2	13	0.08	0.023	2
20110206	Soil	1.2	37.2	12.3	26	0.7	7.4	4.2	206	0.90	14.0	7.9	0.2	55	1.2	1.3	0.4	16	0.83	0.106	17
20110207	Soil	4.2	54.2	59.1	70	1.2	9.2	8.0	331	2.70	118.1	26.3	3.9	25	0.5	9.3	9.7	49	0.24	0.060	10
20110208	Soil	1.8	47.9	102.5	112	1.8	7.7	9.8	733	2.68	283.2	50.1	4.8	39	0.9	27.7	9.8	38	0.20	0.067	11
20110210	Soil	0.9	21.0	10.5	40	0.9	7.2	9.8	2322	1.25	16.5	8.7	0.2	45	0.6	1.2	0.2	26	0.41	0.082	6
20110222	Soil	0.6	22.7	10.8	48	0.2	10.9	6.3	226	2.03	16.1	5.6	1.7	14	0.2	1.0	0.2	49	0.16	0.039	9
20110223	Soil	0.6	14.0	6.5	18	0.6	3.4	1.3	38	0.47	7.5	3.2	<0.1	13	0.7	0.4	0.2	11	0.12	0.067	5
20110224	Soil	1.4	24.1	16.4	65	0.4	8.0	7.2	410	1.80	53.2	10.0	1.0	16	0.7	1.5	0.9	45	0.14	0.034	6
20110225	Soil	1.5	25.2	19.0	103	0.3	9.9	9.4	419	2.82	73.2	11.0	4.1	19	0.8	2.5	2.0	53	0.19	0.052	8
20110226	Soil	1.7	26.1	44.1	120	0.8	10.0	8.5	506	2.25	93.3	25.1	2.2	23	1.0	3.1	2.4	43	0.28	0.052	9
20110230	Soil	0.5	9.2	3.9	15	0.4	2.4	8.7	795	0.74	10.8	5.2	0.2	12	1.4	0.5	0.1	20	0.13	0.049	4
20110231	Soil	1.0	22.5	14.0	44	0.3	13.6	6.2	169	2.31	30.9	28.5	2.6	11	0.3	1.0	0.2	50	0.13	0.032	7



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
20110201	Soil	2	0.03	12	0.018	<1	0.11	0.019	0.02	<0.1	<0.01	<0.1	<0.1	0.07	<1	<0.5	<0.2
20110202	Soil	11	0.53	155	0.008	<1	1.16	0.009	0.06	0.2	0.02	3.4	0.1	<0.05	5	<0.5	<0.2
20110203	Soil	6	0.09	96	0.011	<1	0.56	0.018	0.03	0.1	0.05	0.7	<0.1	0.10	2	<0.5	<0.2
20110204	Soil	2	0.02	20	0.014	<1	0.12	0.018	0.02	<0.1	0.01	<0.1	<0.1	0.06	<1	<0.5	<0.2
20110205	Soil	3	0.05	33	0.015	<1	0.25	0.019	0.02	<0.1	0.03	0.2	<0.1	0.07	1	<0.5	<0.2
20110206	Soil	8	0.13	108	0.016	1	0.82	0.025	0.04	0.2	0.10	1.0	<0.1	0.27	2	0.9	<0.2
20110207	Soil	20	0.48	116	0.037	<1	1.31	0.010	0.08	0.4	0.03	2.3	0.2	0.10	4	0.6	<0.2
20110208	Soil	14	0.32	109	0.032	<1	0.83	0.010	0.10	0.3	0.02	1.8	0.3	0.15	3	0.7	0.2
20110210	Soil	13	0.16	195	0.016	<1	1.07	0.025	0.04	<0.1	0.07	1.0	0.1	0.10	4	<0.5	<0.2
20110222	Soil	20	0.36	112	0.042	<1	1.16	0.009	0.05	0.2	0.02	1.8	0.1	<0.05	4	<0.5	<0.2
20110223	Soil	6	0.06	49	0.010	<1	0.41	0.016	0.03	<0.1	0.06	0.1	<0.1	0.08	2	<0.5	<0.2
20110224	Soil	14	0.25	80	0.040	<1	0.84	0.015	0.05	0.2	0.02	1.3	<0.1	<0.05	5	<0.5	<0.2
20110225	Soil	18	0.45	80	0.042	<1	1.56	0.009	0.07	0.2	0.01	2.2	0.1	<0.05	5	<0.5	0.4
20110226	Soil	20	0.42	114	0.032	<1	1.26	0.011	0.05	0.2	0.03	1.9	0.2	<0.05	4	<0.5	<0.2
20110230	Soil	4	0.07	44	0.024	<1	0.22	0.025	0.02	<0.1	0.02	0.4	<0.1	0.07	1	<0.5	<0.2
20110231	Soil	23	0.37	121	0.040	<1	1.48	0.010	0.06	0.2	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
20110238	Soil	1.5	23.1	22.1	81	0.3	7.9	5.1	300	1.86	49.0	30.0	2.6	17	0.7	2.6	1.8	38	0.23	0.061	9
20110239	Soil	1.4	31.8	17.2	36	1.8	6.2	9.5	1117	0.98	14.8	14.9	0.2	33	3.4	1.0	0.3	22	0.32	0.124	9
20110240	Soil	0.7	30.4	89.3	121	12.6	9.3	4.1	191	1.92	91.0	223.8	3.6	50	0.9	2.7	4.4	35	0.53	0.103	11
20110241	Soil	0.4	34.8	86.0	122	16.1	10.2	2.9	70	1.54	37.2	273.1	4.8	48	1.0	3.2	3.4	25	0.55	0.128	13
20110242	Soil	0.8	11.5	11.7	73	0.3	7.5	3.7	148	1.73	22.1	27.2	2.9	33	0.5	1.0	1.7	33	0.29	0.043	10
20110243	Soil	2.3	49.4	36.0	182	4.8	11.3	8.5	299	3.69	65.6	95.7	4.2	151	1.0	3.6	7.1	79	0.90	0.074	11
20110245	Soil	1.5	30.3	10.9	39	0.5	9.0	6.5	491	1.81	25.3	8.3	1.0	16	0.2	1.0	0.2	44	0.22	0.034	8
20110249	Soil	2.8	21.5	24.6	86	1.6	7.2	19.6	1637	3.02	41.8	22.9	0.8	24	1.8	2.5	1.3	44	0.25	0.100	7
20110250	Soil	0.2	4.9	5.3	19	0.2	2.0	2.0	46	1.13	31.5	5.4	0.7	11	0.1	0.3	0.2	28	0.14	0.042	3
20110251	Soil	0.9	16.3	21.5	74	0.7	7.6	4.2	156	1.69	28.3	34.6	2.4	22	0.2	1.6	1.6	35	0.25	0.051	9
20110254	Soil	1.2	18.4	28.5	83	0.9	7.9	7.5	522	2.17	55.7	14.0	2.3	21	0.3	1.6	2.0	42	0.25	0.054	10
20110255	Soil	0.6	15.2	20.0	56	0.2	5.2	3.6	180	1.60	36.7	10.3	2.0	14	0.3	1.4	1.3	31	0.18	0.052	8
20110256	Soil	0.9	18.3	24.2	87	0.3	9.2	5.1	293	2.23	49.6	6.6	2.9	18	0.4	1.5	1.6	41	0.26	0.054	11
20110257	Soil	1.5	29.3	41.8	110	0.7	12.8	8.8	607	3.10	79.2	34.7	4.0	27	0.4	2.0	2.3	54	0.31	0.062	12
20110259	Soil	1.8	77.4	14.2	40	0.4	11.3	5.4	120	4.01	8.1	2.6	5.3	151	0.4	0.5	4.4	65	0.19	0.066	13
20110260	Soil	1.2	226.7	22.4	33	2.2	7.3	3.3	82	5.39	14.3	10.9	9.9	221	0.2	1.5	19.8	94	0.21	0.091	31
20110261	Soil	1.2	66.2	15.1	49	0.5	11.7	5.8	202	2.81	16.4	22.6	3.4	24	0.2	0.7	16.2	54	0.15	0.030	9
20110262	Soil	1.2	68.8	15.1	51	0.5	13.2	5.7	178	2.93	17.8	18.1	3.7	28	0.2	0.7	16.7	53	0.15	0.033	9



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					Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
					ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
					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
20110238	Soil			15	0.37	89	0.032	<1	0.98	0.007	0.05	0.3	0.02	1.7	0.1	<0.05	4	<0.5	<0.2	
20110239	Soil			8	0.10	173	0.018	1	0.46	0.021	0.03	<0.1	0.08	0.9	<0.1	0.20	2	0.9	<0.2	
20110240	Soil			25	0.34	351	0.005	<1	2.84	0.014	0.09	0.1	0.30	3.2	0.8	0.12	8	<0.5	<0.2	
20110241	Soil			28	0.30	359	0.007	1	3.23	0.014	0.10	0.1	0.33	4.3	0.9	0.13	9	<0.5	<0.2	
20110242	Soil			16	0.40	101	0.041	<1	1.26	0.013	0.05	0.3	0.01	1.6	0.2	<0.05	4	<0.5	<0.2	
20110243	Soil			21	0.98	218	0.118	<1	4.76	0.063	0.30	0.3	0.13	4.7	1.5	<0.05	12	<0.5	<0.2	
20110245	Soil			18	0.22	147	0.034	<1	1.22	0.019	0.05	0.2	0.03	1.9	0.1	<0.05	5	<0.5	<0.2	
20110249	Soil			15	0.18	152	0.013	<1	1.14	0.018	0.03	0.1	0.06	1.2	0.2	0.07	5	<0.5	<0.2	
20110250	Soil			4	0.06	36	0.033	<1	0.36	0.035	0.02	<0.1	0.02	0.4	<0.1	<0.05	2	<0.5	<0.2	
20110251	Soil			17	0.38	101	0.026	<1	1.42	0.008	0.05	0.3	0.03	1.9	0.2	<0.05	5	<0.5	<0.2	
20110254	Soil			17	0.34	185	0.016	<1	1.56	0.010	0.06	0.2	0.03	2.4	0.2	<0.05	5	<0.5	<0.2	
20110255	Soil			9	0.21	80	0.032	<1	0.64	0.017	0.05	0.1	0.01	1.1	0.1	<0.05	2	<0.5	<0.2	
20110256	Soil			19	0.39	94	0.038	<1	1.27	0.010	0.06	0.2	<0.01	2.0	0.2	<0.05	4	<0.5	<0.2	
20110257	Soil			27	0.46	176	0.039	<1	1.93	0.011	0.08	0.2	0.03	3.4	0.2	<0.05	6	<0.5	<0.2	
20110259	Soil			22	0.58	148	0.070	<1	2.98	0.031	0.10	0.5	0.04	3.3	0.3	0.10	10	<0.5	0.3	
20110260	Soil			18	0.71	239	0.122	<1	3.49	0.093	0.21	0.3	0.05	4.9	0.4	0.62	12	0.8	2.4	
20110261	Soil			22	0.44	111	0.071	<1	1.94	0.013	0.09	0.2	<0.01	2.4	0.2	<0.05	8	<0.5	0.6	
20110262	Soil			22	0.45	123	0.070	<1	2.06	0.014	0.10	0.2	0.02	2.6	0.2	<0.05	8	<0.5	0.6	



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	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	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
20110278	Soil	1.1	32.4	37.3	113	1.9	9.1	8.9	1011	2.73	60.1	17.5	2.2	28	1.2	1.8	2.1	57	0.31	0.081	11			
20110279	Soil	0.8	28.5	28.3	43	3.3	5.5	2.8	93	1.42	31.0	18.7	0.3	33	0.3	1.3	1.2	21	0.29	0.105	8			
20110280	Soil	1.0	33.2	47.3	104	1.3	6.7	6.0	194	2.19	55.6	22.3	3.2	23	0.9	2.0	2.2	33	0.30	0.061	13			
20110282	Soil	1.0	39.9	16.0	26	1.8	5.8	2.1	54	2.18	9.7	28.2	1.2	37	0.1	0.4	6.2	32	0.15	0.068	12			
20110283	Soil	2.2	51.4	19.2	30	1.4	6.8	3.7	175	2.97	20.4	31.1	1.3	39	0.2	0.7	8.2	54	0.18	0.085	14			
20110284	Soil	0.2	9.1	1.1	8	0.1	1.1	1.6	34	0.58	0.5	4.5	0.3	11	<0.1	<0.1	0.2	21	0.14	0.052	3			
20110286	Soil	3.8	65.1	14.0	27	1.0	7.7	2.5	71	3.10	18.1	29.1	1.9	67	0.1	0.3	2.1	55	0.18	0.094	14			
20110287	Soil	1.3	56.2	22.0	25	0.4	7.3	8.5	463	2.95	17.8	453.2	4.1	51	<0.1	0.6	2.3	52	0.16	0.052	12			
20110288	Soil	1.1	84.2	13.3	31	0.5	8.2	4.4	152	3.43	8.7	7.6	7.0	48	0.1	0.5	1.5	84	0.08	0.050	19			
20110289	Soil	0.9	10.9	6.3	11	0.4	2.3	1.4	30	0.75	3.5	2.8	1.4	11	<0.1	0.2	0.6	27	0.07	0.012	5			
20110290	Soil	1.8	27.5	11.6	29	1.0	8.0	3.7	105	2.09	10.1	12.7	2.9	22	<0.1	0.6	1.6	55	0.12	0.022	11			
20110291	Soil	3.4	136.9	25.7	28	3.4	11.8	4.5	105	2.72	14.3	75.8	0.4	76	0.2	0.9	9.5	34	0.19	0.128	17			
20110292	Soil	2.2	26.1	9.4	50	0.2	16.2	8.8	241	2.90	8.0	4.7	3.4	32	0.2	0.5	0.7	66	0.18	0.043	10			
20110293	Soil	2.6	56.4	11.2	45	0.3	14.0	6.4	175	3.79	7.5	1.0	7.4	67	0.2	0.5	0.9	87	0.11	0.038	13			
20110294	Soil	1.3	20.6	6.6	28	0.2	7.2	5.3	171	2.46	6.1	1.1	3.6	27	0.2	0.4	0.3	63	0.10	0.052	9			
20110295	Soil	9.4	26.7	14.7	38	0.5	8.9	8.0	450	2.64	12.9	6.0	3.2	28	0.1	0.5	2.8	57	0.14	0.051	10			
20110296	Soil	5.8	85.7	15.1	20	0.7	5.6	2.4	59	3.59	5.6	3.9	8.9	33	0.1	0.6	1.6	71	0.06	0.049	13			
20110297	Soil	1.3	128.5	10.0	30	0.2	9.6	4.2	127	3.12	5.5	24.2	9.4	155	<0.1	0.3	1.7	78	0.15	0.055	19			
20110298	Soil	1.1	17.9	14.3	25	0.3	6.8	3.6	110	1.65	12.1	7.1	2.5	17	<0.1	0.6	2.2	44	0.12	0.022	9			
20110299	Soil	1.3	30.1	24.5	35	0.5	7.9	4.1	133	2.14	23.9	51.7	3.2	36	0.1	1.6	5.6	42	0.18	0.041	12			



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
					ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
					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
20110278	Soil		12	0.22	213	0.035	<1	1.34	0.029	0.06	0.2	0.05	2.6	0.2	0.09	5	<0.5	<0.2		
20110279	Soil		8	0.13	193	0.009	<1	0.84	0.023	0.04	<0.1	0.09	1.1	0.1	0.16	2	<0.5	<0.2		
20110280	Soil		12	0.26	177	0.024	<1	1.06	0.018	0.07	0.3	0.04	2.0	0.2	0.06	3	<0.5	<0.2		
20110282	Soil		14	0.29	190	0.020	<1	1.74	0.019	0.05	0.4	0.07	1.6	0.3	<0.05	5	0.5	0.2		
20110283	Soil		16	0.34	179	0.028	1	1.69	0.017	0.06	0.5	0.06	2.2	0.3	0.09	5	<0.5	0.3		
20110284	Soil		2	0.06	22	0.034	1	0.21	0.030	0.02	<0.1	<0.01	0.4	<0.1	<0.05	1	<0.5	<0.2		
20110286	Soil		20	0.42	162	0.029	1	1.95	0.012	0.06	0.4	0.08	3.0	0.3	0.08	6	0.7	<0.2		
20110287	Soil		16	0.35	169	0.049	<1	1.28	0.025	0.09	0.5	0.01	2.6	0.2	0.15	4	0.8	0.2		
20110288	Soil		19	0.40	147	0.084	<1	2.07	0.035	0.08	0.2	0.02	3.3	0.2	0.13	9	<0.5	<0.2		
20110289	Soil		5	0.05	65	0.029	<1	0.66	0.021	0.03	0.2	0.01	0.6	<0.1	<0.05	3	<0.5	<0.2		
20110290	Soil		18	0.27	108	0.064	<1	1.44	0.013	0.06	0.2	0.02	1.9	0.1	<0.05	6	<0.5	<0.2		
20110291	Soil		21	0.25	281	0.009	<1	2.38	0.018	0.07	0.5	0.13	1.1	0.2	0.15	6	0.9	0.4		
20110292	Soil		33	0.53	208	0.066	<1	2.29	0.017	0.09	0.2	0.02	2.9	0.2	0.09	6	<0.5	<0.2		
20110293	Soil		27	0.64	139	0.087	<1	2.85	0.038	0.12	0.4	<0.01	4.3	0.3	0.13	9	0.6	<0.2		
20110294	Soil		17	0.30	77	0.065	<1	1.41	0.018	0.05	0.4	<0.01	2.2	<0.1	<0.05	6	0.5	<0.2		
20110295	Soil		20	0.36	181	0.052	<1	1.45	0.023	0.09	0.4	0.01	2.1	0.1	0.11	6	<0.5	<0.2		
20110296	Soil		12	0.22	180	0.036	<1	1.44	0.031	0.12	0.6	0.02	2.5	0.2	0.19	8	1.1	<0.2		
20110297	Soil		18	0.71	236	0.114	<1	2.60	0.036	0.16	0.1	<0.01	5.0	0.3	0.23	7	<0.5	<0.2		
20110298	Soil		16	0.26	98	0.064	<1	0.91	0.011	0.07	0.4	<0.01	1.8	<0.1	<0.05	5	<0.5	<0.2		
20110299	Soil		17	0.32	156	0.051	<1	1.07	0.021	0.08	0.6	0.01	1.9	0.1	0.07	5	<0.5	0.5		



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
20110523	Soil	0.7	14.9	12.3	65	1.0	6.0	4.0	108	1.70	10.5	12.9	1.3	20	0.4	1.2	1.7	48	0.25	0.091
20110711	Soil	1.3	36.3	20.6	60	0.5	13.1	5.6	159	2.17	21.2	25.2	4.1	26	0.3	1.8	1.6	50	0.30	0.061
20110712	Soil	1.6	27.8	17.6	67	0.4	13.8	6.6	202	2.24	20.7	11.2	5.1	25	0.5	1.8	1.0	53	0.33	0.066



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	Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
			Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
			ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
			MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5
20110523	Soil		14	0.25	102	0.041	<1	1.10	0.018	0.04	0.2	0.04	1.8	0.2	0.07	4	<0.5
20110711	Soil		26	0.46	156	0.057	<1	1.69	0.010	0.06	0.2	0.03	4.3	0.2	<0.05	5	<0.5
20110712	Soil		27	0.53	149	0.074	<1	1.50	0.011	0.06	0.3	0.02	4.3	0.1	<0.05	5	<0.5



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	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	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001
20110713	Soil																							
20110714	Soil																							
20110715	Soil																							
20110716	Soil																							
20110717	Soil																							
20110718	Soil																							
20110719	Soil																							
20110793	Soil																							
20110794	Soil																							
20110795	Soil																							
20110796	Soil																							
20110797	Soil																							
20110798	Soil																							
20110799	Soil																							
20110800	Soil																							
20110801	Soil																							
20110802	Soil																							
20110803	Soil																							
20110804	Soil																							
20110805	Soil																							
20110806	Soil																							
20110807	Soil																							



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
20110713	Soil	29	0.53	162	0.067	<1	1.76	0.012	0.06	0.3	0.02	5.0	0.1	<0.05	5	<0.5	<0.2
20110714	Soil	26	0.47	150	0.056	<1	1.60	0.010	0.06	0.3	0.02	4.1	0.2	<0.05	5	<0.5	<0.2
20110715	Soil	22	0.52	102	0.074	<1	1.40	0.013	0.08	0.2	0.02	4.2	0.3	<0.05	4	<0.5	0.3
20110716	Soil	17	0.26	100	0.032	<1	1.26	0.022	0.05	0.3	0.05	2.3	0.1	<0.05	4	<0.5	<0.2
20110717	Soil	24	0.47	128	0.042	<1	1.68	0.010	0.07	0.2	0.03	3.1	0.2	<0.05	5	<0.5	<0.2
20110718	Soil	26	0.52	118	0.053	1	1.83	0.012	0.09	0.2	0.02	3.6	0.2	<0.05	5	0.6	<0.2
20110719	Soil	13	0.32	78	0.049	<1	0.85	0.016	0.07	0.2	0.01	1.7	0.1	0.07	3	<0.5	0.2
20110793	Soil	15	0.32	72	0.041	<1	1.06	0.013	0.04	0.2	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
20110794	Soil	11	0.09	59	0.048	<1	0.66	0.013	0.04	0.1	<0.01	0.9	0.2	<0.05	5	<0.5	0.3
20110795	Soil	17	0.38	84	0.048	<1	1.33	0.013	0.06	0.2	0.02	2.4	0.1	<0.05	5	<0.5	0.2
20110796	Soil	24	0.31	367	0.008	<1	2.12	0.022	0.07	0.2	0.19	3.9	0.3	0.12	6	<0.5	<0.2
20110797	Soil	20	0.44	97	0.043	<1	1.47	0.010	0.07	0.2	0.04	2.7	0.2	<0.05	5	<0.5	<0.2
20110798	Soil	18	0.48	91	0.036	<1	1.36	0.011	0.05	0.2	0.03	2.8	0.2	<0.05	4	<0.5	<0.2
20110799	Soil	18	0.47	167	0.039	<1	1.29	0.009	0.06	0.2	0.03	3.1	0.2	<0.05	4	<0.5	<0.2
20110800	Soil	16	0.39	117	0.031	1	1.17	0.016	0.05	0.2	0.02	2.2	0.2	<0.05	4	<0.5	<0.2
20110801	Soil	6	0.07	66	0.041	<1	0.31	0.026	0.01	<0.1	0.02	1.0	<0.1	<0.05	2	<0.5	<0.2
20110802	Soil	5	0.08	33	0.076	<1	0.20	0.026	0.01	<0.1	<0.01	0.6	<0.1	<0.05	2	<0.5	<0.2
20110803	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110804	Soil	12	0.09	210	0.010	1	0.56	0.018	0.03	<0.1	0.11	1.5	0.1	0.31	2	<0.5	<0.2
20110805	Soil	10	0.10	143	0.025	<1	0.63	0.031	0.03	<0.1	0.07	1.2	0.1	0.11	3	<0.5	<0.2
20110806	Soil	20	0.34	170	0.023	<1	1.34	0.021	0.07	0.2	0.03	2.2	0.3	<0.05	5	0.5	<0.2
20110807	Soil	3	0.06	22	0.055	<1	0.15	0.035	0.02	<0.1	0.01	0.3	<0.1	<0.05	1	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
20110022	Soil	2.3	46.5	51.7	87	1.6	14.7	6.0	208	2.30	29.8	15.3	1.2	21	1.9	3.2	1.7	48	0.25	0.052	9
REP 20110022	QC	2.1	45.7	51.6	85	1.6	14.4	5.9	203	2.22	30.3	14.5	1.1	21	1.8	3.1	1.7	45	0.24	0.050	9
20110169	Soil	0.7	14.1	23.1	87	0.3	13.9	9.0	510	2.30	58.5	37.4	2.5	30	0.3	2.3	0.2	57	0.29	0.040	11
REP 20110169	QC	0.6	14.1	24.0	88	0.3	13.7	9.1	525	2.42	59.3	13.8	2.6	30	0.4	2.4	0.2	57	0.30	0.040	12
20110242	Soil	0.8	11.5	11.7	73	0.3	7.5	3.7	148	1.73	22.1	27.2	2.9	33	0.5	1.0	1.7	33	0.29	0.043	10
REP 20110242	QC	0.8	12.1	12.1	79	0.3	8.5	4.1	156	1.85	23.3	47.6	2.9	34	0.5	1.0	1.7	36	0.29	0.044	10



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
					ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
					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
Pulp Duplicates																				
20110022	Soil	24	0.28	121	0.026	1	1.28	0.017	0.07	0.2	0.05	2.3	0.1	<0.05	5	<0.5	<0.2			
REP 20110022	QC	23	0.27	118	0.024	<1	1.25	0.016	0.07	0.2	0.05	2.3	0.2	<0.05	5	<0.5	<0.2			



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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
20110288	Soil	1.1	84.2	13.3	31	0.5	8.2	4.4	152	3.43	8.7	7.6	7.0	48	0.1	0.5	1.5	84	0.08	0.050
REP 20110288	QC	1.2	83.8	12.2	34	0.5	8.4	4.7	161	3.46	8.8	3.4	6.7	48	0.2	0.5	1.4	88	0.08	0.052
20110714	Soil	1.6	36.6	21.7	72	0.8	12.4	8.0	186	2.19	22.0	22.0	4.6	19	0.7	2.2	1.8	51	0.25	0.060
REP 20110714	QC	1.9	36.3	21.2	73	0.7	12.1	7.9	185	2.17	22.2	12.5	4.7	21	0.8	2.3	1.7	52	0.25	0.061
20110796	Soil	2.6	44.3	56.9	125	3.3	11.3	12.6	591	3.51	118.9	57.6	3.8	44	2.6	3.6	2.8	51	0.43	0.166
REP 20110796	QC	2.4	44.3	55.1	128	3.2	12.2	12.3	596	3.46	118.7	60.3	3.5	43	2.5	3.4	2.8	50	0.43	0.162
Reference Materials																				
STD DS8	Standard	15.3	117.5	134.3	315	1.8	40.6	8.1	627	2.55	24.5	111.4	7.5	72	2.2	6.4	6.9	45	0.67	0.074
STD DS8	Standard	13.6	118.4	129.9	326	1.9	40.2	7.9	634	2.57	25.9	114.2	6.7	61	2.1	5.4	6.6	45	0.71	0.080
STD DS8	Standard	12.2	102.3	121.9	304	1.9	37.0	7.6	568	2.38	25.3	108.2	5.8	57	2.3	5.3	6.3	40	0.60	0.081
STD DS8	Standard	11.6	104.5	121.0	299	1.8	36.7	7.2	576	2.37	24.1	107.6	6.0	54	2.2	4.8	6.4	43	0.64	0.077
STD DS8	Standard	13.6	123.2	123.9	344	1.9	40.2	8.2	628	2.66	26.9	118.6	7.6	71	2.9	6.4	7.4	44	0.72	0.085
STD DS8	Standard	14.4	116.8	129.0	306	1.8	38.9	7.9	615	2.42	25.3	105.7	7.0	67	2.2	5.6	6.9	44	0.69	0.086
STD DS8	Standard	13.4	98.0	114.5	296	1.8	37.0	6.9	608	2.42	21.8	104.7	6.4	58	1.9	4.8	5.5	40	0.68	0.073
STD DS8	Standard	13.0	99.9	114.2	288	1.8	37.4	6.9	584	2.34	21.0	115.7	6.1	62	2.0	4.6	5.3	40	0.67	0.073
STD DS8	Standard	13.1	103.7	120.9	301	1.7	38.3	7.4	588	2.40	22.4	102.1	5.9	63	2.2	5.3	6.1	41	0.67	0.076
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
20110288	Soil	19	0.40	147	0.084	<1	2.07	0.035	0.08	0.2	0.02	3.3	0.2	0.13	9	<0.5	<0.2
REP 20110288	QC	21	0.41	146	0.091	<1	2.08	0.035	0.08	0.2	0.02	3.4	0.2	0.17	9	<0.5	<0.2
20110714	Soil	26	0.47	150	0.056	<1	1.60	0.010	0.06	0.3	0.02	4.1	0.2	<0.05	5	<0.5	<0.2
REP 20110714	QC	26	0.47	155	0.058	<1	1.62	0.010	0.06	0.2	0.03	4.2	0.2	<0.05	5	<0.5	<0.2
20110796	Soil	24	0.31	367	0.008	<1	2.12	0.022	0.07	0.2	0.19	3.9	0.3	0.12	6	<0.5	<0.2
REP 20110796	QC	23	0.31	359	0.009	<1	2.13	0.023	0.07	0.2	0.19	3.9	0.4	0.13	5	0.5	<0.2
Reference Materials																	
STD DS8	Standard	127	0.67	292	0.130	3	0.94	0.090	0.41	3.2	0.18	1.9	5.5	0.13	5	5.3	5.3
STD DS8	Standard	129	0.63	279	0.110	2	0.93	0.088	0.43	3.2	0.25	2.1	5.7	0.16	5	5.2	4.7
STD DS8	Standard	104	0.58	245	0.093	1	0.81	0.076	0.38	2.7	0.21	1.7	5.5	0.14	4	5.1	4.5
STD DS8	Standard	114	0.61	249	0.099	2	0.83	0.074	0.40	3.0	0.21	1.7	5.4	0.20	4	4.5	5.0
STD DS8	Standard	117	0.65	317	0.124	3	0.92	0.089	0.42	2.8	0.20	2.0	5.6	0.14	5	5.2	5.3
STD DS8	Standard	122	0.64	290	0.120	3	0.96	0.090	0.40	3.0	0.19	2.2	5.5	0.18	5	5.4	5.0
STD DS8	Standard	122	0.60	259	0.111	2	0.88	0.079	0.41	2.9	0.20	1.9	5.2	0.15	5	5.1	4.7
STD DS8	Standard	127	0.61	259	0.113	2	0.89	0.080	0.37	2.9	0.21	1.8	5.4	0.16	4	5.2	4.9
STD DS8	Standard	120	0.61	258	0.110	2	0.88	0.089	0.46	3.0	0.19	2.3	5.2	0.16	5	5.0	4.7
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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



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Submitted By: Gary Schellenberg

Receiving Lab: Canada-Whitehorse

Received: July 29, 2011

Report Date: September 01, 2011

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CERTIFICATE OF ANALYSIS

WHI11000933.1

CLIENT JOB INFORMATION

Project: Charlotte Project
Shipment ID: CHAR11-017
P.O. Number
Number of Samples: 283

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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: Coast Mountain Geological
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9
Canada

CC: Nicola Struyk
Bernie Dewonek
Peter Dadson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	281	Dry at 60C			WHI
SS80	281	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	281	Saving all or part of Soil Reject			WHI
1DX2	279	1:1:1 Aqua Regia digestion ICP-MS analysis	15	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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Project: Charlotte Project

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
20110809	Soil	0.9	46.1	22.9	63	0.6	5.8	5.9	276	2.27	29.8	62.4	6.1	43	0.5	1.3	3.9	39	0.30	0.070	14
20110810	Soil	0.5	18.1	7.5	40	0.4	4.2	3.2	266	1.02	15.1	3.3	0.2	13	0.4	0.7	0.6	24	0.10	0.040	3
20110811	Soil	0.6	14.6	12.4	47	0.8	3.3	3.8	493	1.12	21.1	8.9	0.7	18	0.8	0.9	0.8	22	0.16	0.059	4
20110812	Soil	0.7	22.2	25.6	69	0.8	5.5	4.2	200	1.86	51.5	10.1	2.0	19	0.3	1.6	1.7	38	0.21	0.058	8
20110813	Soil	1.3	40.7	41.1	134	2.0	9.3	5.0	219	2.63	86.2	29.3	2.7	27	0.7	3.0	3.6	44	0.24	0.069	12
20110814	Soil	0.5	5.3	3.0	15	0.2	1.4	2.8	109	1.10	23.3	3.0	0.6	12	0.3	0.4	0.2	27	0.13	0.052	3
20110820	Soil	7.3	45.5	14.8	25	0.5	6.1	3.0	75	2.29	9.1	3.5	2.9	110	0.2	2.3	2.5	33	0.13	0.070	16
20110821	Soil	4.3	27.0	8.5	24	0.6	5.3	2.8	62	1.66	4.4	7.3	0.3	57	<0.1	0.9	1.4	31	0.14	0.053	8
20110823	Soil	1.5	87.7	16.1	68	0.5	7.9	6.5	140	2.27	19.8	14.0	6.9	51	0.5	1.1	3.8	45	0.32	0.075	15



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CERTIFICATE OF ANALYSIS

WHI11000933.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
20110809	Soil	12	0.39	121	0.051	<1	1.15	0.019	0.07	0.4	0.02	2.7	0.2	<0.05	4	<0.5	<0.2
20110810	Soil	6	0.11	80	0.023	<1	0.52	0.033	0.04	<0.1	0.01	0.8	<0.1	<0.05	2	<0.5	<0.2
20110811	Soil	5	0.11	82	0.026	<1	0.65	0.037	0.04	<0.1	0.03	1.2	<0.1	<0.05	2	<0.5	<0.2
20110812	Soil	11	0.23	118	0.039	1	0.95	0.028	0.05	0.2	0.02	1.8	0.1	<0.05	4	<0.5	<0.2
20110813	Soil	18	0.40	201	0.021	<1	1.78	0.014	0.08	0.2	0.07	3.1	0.3	<0.05	5	0.5	<0.2
20110814	Soil	2	0.06	28	0.041	<1	0.19	0.040	0.02	<0.1	0.01	0.6	<0.1	<0.05	1	<0.5	<0.2
20110820	Soil	11	0.18	349	0.022	<1	0.95	0.041	0.15	0.4	0.02	1.0	0.2	0.27	4	0.7	<0.2
20110821	Soil	10	0.24	263	0.022	<1	1.12	0.026	0.08	0.3	0.05	0.9	0.1	0.07	4	0.6	<0.2
20110823	Soil	15	0.45	167	0.066	<1	1.51	0.019	0.08	0.6	0.02	3.6	0.2	<0.05	5	0.8	<0.2



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Project: Charlotte Project
Report Date: September 01, 2011

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CERTIFICATE OF ANALYSIS

WHI11000933.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	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	%	%
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
20110858	Soil		0.2	7.7	11.8	28	<0.1	4.6	3.1	163	1.21	13.3	6.3	1.3	19	<0.1	0.7	<0.1	32	0.19



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CERTIFICATE OF ANALYSIS

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL	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



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CERTIFICATE OF ANALYSIS

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1

20110905	Soil	<0.1	6.7	1.3	11	<0.1	2.8	2.4	88	0.62	1.2	0.7	0.4	10	<0.1	0.1	<0.1	21	0.15	0.034	4
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CERTIFICATE OF ANALYSIS

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL	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

20110905	Soil	4	0.08	75	0.029	<1	0.31	0.038	0.03	<0.1	0.03	0.8	<0.1	<0.05	1	<0.5	<0.2
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CERTIFICATE OF ANALYSIS

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1



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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL	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



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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1

20110958	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL	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

20110958	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
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CERTIFICATE OF ANALYSIS

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1



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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL	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



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WHI11000933.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	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	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001
20111016	Soil	0.6	8.9	5.6	41	<0.1	13.4	7.1	196	2.88	10.4	21.8	2.4	18	0.1	0.7	0.1	65	0.21	0.032	9



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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL	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

20111016	Soil	26	0.34	126	0.056	<1	1.26	0.009	0.07	0.2	<0.01	2.0	0.1	<0.05	5	<0.5	<0.2
----------	------	----	------	-----	-------	----	------	-------	------	-----	-------	-----	-----	-------	---	------	------



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Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1



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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL	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



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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1



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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL	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



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
20111112	Soil	0.7	9.6	11.2	58	0.3	12.2	6.5	251	2.06	8.7	5.1	2.2	22	0.2	0.6	0.1	56	0.30	0.035	8
20110228	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110252	Soil	0.9	22.4	27.1	94	0.4	6.8	3.9	189	1.95	63.0	49.4	5.3	23	0.9	2.8	2.3	40	0.30	0.073	18



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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL	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

20111112	Soil	25	0.35	232	0.052	1	1.37	0.014	0.06	0.2	0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
20110228	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110252	Soil	14	0.40	122	0.039	2	1.05	0.011	0.08	0.2	0.02	2.1	0.3	<0.05	3	<0.5	<0.2



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QUALITY CONTROL REPORT

WHI11000933.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1

Pulp Duplicates

20111016	Soil	0.6	8.9	5.6	41	<0.1	13.4	7.1	196	2.88	10.4	21.8	2.4	18	0.1	0.7	0.1	65	0.21	0.032	9
REP 20111016	QC	0.8	8.7	5.9	42	<0.1	14.1	7.2	200	2.88	10.4	18.7	2.2	18	<0.1	0.6	0.1	65	0.20	0.032	9



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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	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
Pulp Duplicates																	
		</															



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		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001	1DX15 La ppm 1
Reference Materials																					
STD DS8	Standard	13.6	108.5	118.1	317	1.8	38.4	7.3	611	2.44	25.2	120.1	6.2	67	2.4	5.7	6.4	44	0.72	0.079	14
STD DS8	Standard	13.0	105.5	125.4	304	1.8	35.2	6.9	601	2.41	25.5	120.8	7.3	72	2.5	6.0	7.2	39	0.70	0.080	16
STD DS8	Standard	12.5	100.3	115.7	295	1.7	36.3	7.2	570	2.33	24.2	106.8	6.1	64	2.1	5.0	6.2	43	0.68	0.075	14
STD DS8	Standard	12.0	102.7	123.5	300	1.8	36.2	7.1	587	2.42	23.9	108.4	5.8	57	2.3	5.1	6.5	39	0.67	0.077	12
STD DS8	Standard	13.3	107.2	120.6	301	1.7	36.8	7.2	584	2.37	24.0	118.6	6.7	60	2.3	5.1	6.4	42	0.68	0.075	14
STD DS8	Standard	13.4	111.0	122.7	305	1.7	40.3	7.8	596	2.45	23.6	120.8	6.7	59	2.1	5.4	6.4	42	0.69	0.078	15
STD DS8	Standard	13.1	115.1	133.0	323	1.9	38.7	7.9	607	2.43	27.1	114.2	7.6	61	2.6	6.6	7.6	44	0.67	0.091	15
STD DS8	Standard	11.4	104.2	113.7	294	1.8	35.2	7.1	543	2.21	24.9	107.3	6.4	57	2.8	5.8	6.5	40	0.61	0.089	13
STD DS8	Standard	12.9	104.4	126.5	320	1.7	37.5	7.6	594	2.72	25.1	121.2	6.5	59	2.2	5.3	6.1	42	0.67	0.082	14
STD DS8	Standard	13.0	105.7	125.6	312	1.8	36.8	7.4	631	2.54	24.7	101.7	6.8	64	2.1	5.4	6.4	41	0.70	0.082	16
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
Reference Materials																	
STD DS8	Standard	118	0.61	286	0.117	2	0.94	0.089	0.45	3.1	0.23	2.5	5.4	0.15	5	5.3	5.0
STD DS8	Standard	111	0.60	299	0.120	1	0.92	0.097	0.42	3.1	0.20	2.4	5.4	0.11	5	5.2	4.8
STD DS8	Standard	115	0.59	261	0.106	4	0.91	0.096	0.43	2.7	0.20	1.9	5.0	0.17	4	4.6	4.4
STD DS8	Standard	113	0.59	253	0.102	2	0.86	0.081	0.40	2.9	0.20	1.8	5.3	0.12	4	4.4	5.1
STD DS8	Standard	117	0.59	270	0.103	3	0.89	0.086	0.41	3.1	0.19	2.1	5.4	0.18	4	4.8	4.9
STD DS8	Standard	119	0.60	269	0.109	2	0.91	0.082	0.41	3.1	0.20	1.9	5.4	0.19	4	4.8	5.1
STD DS8	Standard	112	0.62	299	0.112	3	0.89	0.084	0.42	2.9	0.22	2.0	5.8	0.16	5	5.7	5.0
STD DS8	Standard	103	0.57	267	0.101	2	0.79	0.072	0.38	2.8	0.18	1.9	4.8	0.16	4	4.5	4.6
STD DS8	Standard	114	0.59	272	0.111	2	0.89	0.081	0.40	2.9	0.22	2.2	5.6	0.16	5	5.2	4.5
STD DS8	Standard	116	0.63	284	0.114	3	0.93	0.100	0.40	3.1	0.21	2.5	5.5	0.21	5	5.4	5.5
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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



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Submitted By: Gary Schellenberg

Receiving Lab: Canada-Whitehorse

Received: August 05, 2011

Report Date: September 16, 2011

Page: 1 of 5

CERTIFICATE OF ANALYSIS

WHI11001022.1

CLIENT JOB INFORMATION

Project: Charlotte Project
Shipment ID: CHAR11-021
P.O. Number
Number of Samples: 113

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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: Coast Mountain Geological
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9
Canada

CC: Bernie Dewonek
Peter Dadson
Nicola Struyk

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	112	Dry at 60C			WHI
SS80	112	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	112	Saving all or part of Soil Reject			WHI
G601	108	Fire Assay fusion Au by ICP-ES	30	Completed	VAN
1DX2	111	1:1:1 Aqua Regia digestion ICP-MS analysis	15	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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Project: Charlotte Project

Report Date: September 16, 2011

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CERTIFICATE OF ANALYSIS

WHI11001022.1

	Method Analyte Unit MDL	G6	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
20110726	Soil	<0.005	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110727	Soil	<0.005	0.5	15.3	6.5	58	<0.1	7.8	6.0	301	1.98	8.9	2.7	2.3	22	0.8	0.8	1.0	55	0.26	0.044
20110728	Soil	<0.005	0.9	13.8	10.0	80	<0.1	13.8	7.7	229	2.87	10.1	2.8	2.2	19	0.3	0.6	0.3	66	0.21	0.048
20110729	Soil	0.009	0.5	20.7	17.1	63	1.0	5.1	3.9	247	0.99	7.2	15.5	2.3	88	2.1	2.1	1.0	7	2.54	0.091
20110730	Soil	0.007	0.3	18.3	27.9	70	0.9	5.0	3.8	200	1.18	9.3	6.2	0.6	43	1.3	1.1	0.3	29	1.16	0.061
20110731	Soil	<0.005	0.3	13.6	23.4	89	0.3	6.0	4.0	217	1.21	12.6	3.2	0.9	28	1.3	1.0	0.2	30	0.67	0.041
20110732	Soil	0.009	0.6	23.5	29.6	83	1.1	9.0	11.2	962	2.09	26.1	7.5	0.9	48	1.3	1.4	0.1	38	1.12	0.084
20110733	Soil	0.008	0.4	22.1	26.7	75	0.8	8.1	4.9	236	1.66	14.4	6.7	0.9	47	0.5	1.4	0.2	34	1.15	0.073
20110734	Soil	0.009	0.6	23.5	29.2	93	0.8	9.4	8.3	413	2.65	45.9	6.9	1.6	52	1.4	1.7	0.3	51	1.20	0.078
20110735	Soil	0.014	0.4	16.5	14.0	60	0.7	6.7	4.5	274	1.38	58.8	13.2	0.8	43	0.4	2.9	<0.1	29	0.66	0.070
20110736	Soil	<0.005	0.5	15.0	9.3	43	0.1	10.2	4.6	193	1.93	13.8	9.2	1.7	22	0.2	0.8	0.2	52	0.23	0.032
20110746	Soil	0.016	0.7	17.9	7.0	50	<0.1	14.0	6.5	194	2.41	6.0	3.5	2.0	23	<0.1	0.5	<0.1	66	0.22	0.027
20110747	Soil	<0.005	0.6	8.1	20.3	41	0.3	9.8	5.6	161	2.23	6.2	39.6	2.5	18	0.2	0.7	<0.1	58	0.21	0.036
20110748	Soil	0.017	0.3	16.2	5.8	33	0.3	9.3	6.0	564	1.65	6.3	114.0	1.8	25	0.6	0.4	<0.1	41	0.53	0.047
20110749	Soil	0.012	0.5	42.5	113.2	199	1.9	11.2	7.0	523	2.12	27.7	17.9	1.4	37	2.2	1.6	1.5	48	0.83	0.071
20110750	Soil	<0.005	0.1	5.1	2.7	10	0.3	1.2	2.9	192	0.60	3.5	1.8	0.2	14	0.3	0.2	<0.1	16	0.27	0.036
20110751	Soil	0.008	0.2	28.3	44.5	82	1.9	7.9	4.6	244	1.45	9.1	7.9	0.9	38	1.2	0.8	0.3	32	0.85	0.056
20110752	Soil	<0.005	<0.1	7.5	4.6	21	0.2	1.9	2.4	61	0.83	6.1	2.8	0.5	12	<0.1	0.2	<0.1	27	0.15	0.047
20110753	Soil	<0.005	0.8	13.7	8.8	38	0.4	6.0	3.7	99	1.57	6.3	2.6	0.5	32	0.2	0.5	<0.1	50	0.29	0.076
20110754	Soil	0.012	0.2	10.8	37.9	86	0.6	9.9	4.9	151	1.38	13.4	14.1	3.1	23	0.4	2.9	<0.1	54	0.27	0.054
20110755	Soil	0.056	1.3	37.5	326.8	425	1.8	8.2	8.4	749	3.28	440.5	44.9	4.3	28	7.4	16.8	1.2	57	0.33	0.070



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Project: Charlotte Project
Report Date: September 16, 2011

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CERTIFICATE OF ANALYSIS

WHI11001022.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
20110726	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
20110727	Soil	9	16	0.24	115	0.067	4	1.01	0.017	0.06	0.2	<0.01	2.2	<0.1	0.07	4	1.1	<0.2
20110728	Soil	9	28	0.43	153	0.062	1	1.85	0.011	0.08	0.2	<0.01	2.5	0.1	<0.05	7	<0.5	<0.2
20110729	Soil	6	13	0.17	144	0.025	9	0.75	0.025	0.06	0.1	0.08	2.3	<0.1	0.28	2	2.0	<0.2
20110730	Soil	8	9	0.17	97	0.034	2	0.78	0.029	0.04	<0.1	0.03	1.4	<0.1	0.07	3	0.6	<0.2
20110731	Soil	8	10	0.23	87	0.033	3	0.74	0.019	0.05	0.2	0.04	1.8	<0.1	0.09	3	<0.5	<0.2
20110732	Soil	17	16	0.37	220	0.014	1	1.47	0.018	0.09	<0.1	0.08	3.6	0.1	0.09	4	<0.5	<0.2
20110733	Soil	13	16	0.31	170	0.021	2	1.20	0.017	0.07	<0.1	0.08	3.0	0.1	0.11	4	0.8	<0.2
20110734	Soil	15	19	0.34	192	0.039	2	1.41	0.020	0.09	0.1	0.07	4.0	0.2	0.19	4	1.5	<0.2
20110735	Soil	7	11	0.22	119	0.030	3	0.93	0.024	0.06	0.2	0.05	1.9	0.1	0.09	3	0.7	<0.2
20110736	Soil	9	17	0.27	120	0.074	1	1.18	0.016	0.06	0.4	<0.01	1.9	<0.1	0.08	6	<0.5	<0.2
20110746	Soil	8	28	0.40	158	0.108	1	1.75	0.014	0.07	0.2	<0.01	2.6	<0.1	0.06	6	<0.5	<0.2
20110747	Soil	9	21	0.28	82	0.051	<1	1.29	0.009	0.05	0.2	0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
20110748	Soil	9	17	0.27	136	0.048	<1	0.96	0.025	0.06	0.2	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
20110749	Soil	12	22	0.40	185	0.030	1	1.34	0.018	0.06	0.2	0.06	2.9	<0.1	<0.05	4	0.6	<0.2
20110750	Soil	2	2	0.04	32	0.027	<1	0.25	0.050	0.03	<0.1	<0.01	0.3	<0.1	<0.05	1	<0.5	<0.2
20110751	Soil	11	15	0.25	148	0.039	1	1.10	0.028	0.06	<0.1	0.07	2.1	<0.1	0.08	3	<0.5	<0.2
20110752	Soil	3	4	0.08	32	0.042	<1	0.35	0.030	0.03	<0.1	0.01	0.7	<0.1	<0.05	2	<0.5	<0.2
20110753	Soil	4	13	0.19	85	0.069	2	0.61	0.024	0.04	0.2	<0.01	1.3	<0.1	0.18	3	<0.5	<0.2
20110754	Soil	13	22	0.48	125	0.101	3	1.51	0.016	0.09	0.4	<0.01	3.6	0.2	0.12	5	<0.5	0.3
20110755	Soil	17	16	0.37	103	0.049	2	1.19	0.013	0.14	0.4	0.06	5.7	0.4	0.11	4	<0.5	<0.2



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Report Date: September 16, 2011

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	G6	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
20110756	Soil	<0.005	0.5	14.3	6.9	24	0.3	6.0	5.2	449	1.50	8.4	2.1	1.9	32	<0.1	0.3	<0.1	40	0.26	0.098
20110757	Soil	0.008	0.8	14.5	9.3	34	0.2	7.3	5.7	849	1.22	8.8	7.7	1.2	27	0.6	0.4	0.1	27	0.26	0.067
20110758	Soil	<0.005	0.6	10.5	10.8	40	0.2	6.7	4.6	178	1.52	10.8	7.4	0.9	19	<0.1	0.6	<0.1	48	0.17	0.049
20110759	Soil	<0.005	0.3	13.0	5.8	31	0.2	5.2	5.4	410	1.50	10.5	9.2	0.6	27	<0.1	0.8	<0.1	42	0.37	0.062
20110760	Soil	0.030	0.5	14.1	24.8	82	0.6	7.4	4.6	360	1.84	56.4	14.7	1.4	36	0.2	4.1	<0.1	46	0.53	0.083
20110761	Soil	<0.005	0.1	3.9	1.2	17	<0.1	2.2	3.0	69	1.24	1.0	3.8	0.1	12	<0.1	0.2	<0.1	43	0.12	0.041
20110762	Soil	<0.005	0.2	5.5	1.9	12	<0.1	1.5	1.9	57	0.73	2.7	<0.5	0.1	9	<0.1	0.2	<0.1	28	0.12	0.049
20110763	Soil	<0.005	0.4	22.6	4.8	17	0.2	4.5	2.4	86	0.89	2.4	1.4	<0.1	18	0.2	0.2	<0.1	27	0.15	0.053
20110764	Soil	<0.005	0.7	14.1	7.1	25	0.1	5.8	3.3	148	1.21	7.2	1.0	0.1	22	0.1	0.5	0.1	33	0.25	0.048
20110765	Soil	<0.005	0.2	4.7	1.4	12	<0.1	1.5	1.9	56	0.67	<0.5	<0.5	<0.1	11	<0.1	<0.1	<0.1	24	0.09	0.023
20110766	Soil	<0.005	0.7	9.4	4.7	27	<0.1	8.0	4.6	184	1.58	7.0	0.9	0.9	13	<0.1	0.4	<0.1	42	0.15	0.039
20110775	Soil	0.021	0.4	10.8	6.0	28	<0.1	7.7	4.7	173	1.76	8.6	5.0	2.7	20	<0.1	1.0	<0.1	48	0.35	0.041
20110776	Soil	<0.005	0.2	10.0	1.4	12	<0.1	2.5	3.2	113	1.81	8.8	<0.5	0.5	23	<0.1	0.4	<0.1	30	0.52	0.059
20110778	Soil	0.026	1.0	24.5	91.9	229	1.5	8.9	6.9	635	2.16	92.8	29.4	1.1	33	3.4	3.8	1.0	44	0.47	0.059
20110779	Soil	0.012	0.3	10.9	9.4	25	0.6	1.9	2.4	65	0.95	15.3	13.9	0.8	14	0.2	1.3	0.5	30	0.16	0.057
20110780	Soil	0.007	0.6	13.2	32.8	74	0.6	9.3	5.4	183	1.81	27.5	12.6	2.2	30	0.2	1.6	0.3	49	0.31	0.064
20110781	Soil	0.024	0.6	11.7	57.7	104	0.3	8.4	6.8	244	1.89	43.6	9.2	2.6	23	0.6	2.1	0.3	52	0.26	0.054
20110782	Soil	<0.005	0.5	11.8	13.1	79	0.3	8.7	5.0	203	1.54	14.8	5.9	1.1	25	0.4	0.9	0.2	40	0.28	0.070
20110783	Soil	0.008	0.5	11.7	13.7	77	0.3	8.9	4.6	162	1.51	14.7	40.1	1.1	24	0.4	0.9	0.1	37	0.26	0.067
20110784	Soil	<0.005	3.0	24.9	6.5	43	0.6	8.6	42.0	9357	2.23	15.3	21.3	0.4	56	3.6	0.9	0.1	41	0.59	0.146
20110785	Soil	<0.005	0.3	5.6	1.3	20	<0.1	3.1	3.3	70	1.17	0.9	0.8	0.2	12	0.1	<0.1	<0.1	43	0.09	0.022



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Project: Charlotte Project
Report Date: September 16, 2011

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
20110756	Soil	5	11	0.12	102	0.063	7	0.64	0.035	0.03	<0.1	0.02	2.4	<0.1	0.27	3	3.6	<0.2
20110757	Soil	6	13	0.25	134	0.045	1	0.95	0.026	0.04	<0.1	0.04	1.7	0.2	0.09	3	<0.5	<0.2
20110758	Soil	5	15	0.27	81	0.078	2	0.72	0.023	0.05	0.1	0.05	1.6	<0.1	0.08	3	<0.5	<0.2
20110759	Soil	6	10	0.15	110	0.047	<1	0.77	0.040	0.04	<0.1	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
20110760	Soil	9	14	0.26	120	0.038	1	0.99	0.019	0.06	0.3	0.05	2.0	0.1	0.06	4	<0.5	<0.2
20110761	Soil	1	4	0.05	15	0.070	1	0.20	0.033	0.03	<0.1	0.01	0.2	<0.1	<0.05	2	<0.5	<0.2
20110762	Soil	2	3	0.05	23	0.036	<1	0.24	0.024	0.02	<0.1	<0.01	0.2	<0.1	<0.05	2	<0.5	<0.2
20110763	Soil	5	8	0.09	71	0.019	<1	0.59	0.019	0.03	<0.1	0.03	0.2	<0.1	<0.05	3	<0.5	<0.2
20110764	Soil	5	11	0.19	109	0.027	<1	0.85	0.023	0.04	0.1	0.02	0.7	<0.1	<0.05	4	<0.5	<0.2
20110765	Soil	1	3	0.06	27	0.031	<1	0.22	0.024	0.02	<0.1	<0.01	0.2	<0.1	<0.05	2	<0.5	<0.2
20110766	Soil	7	13	0.25	71	0.043	<1	0.80	0.013	0.05	0.2	0.03	1.0	<0.1	<0.05	3	<0.5	<0.2
20110775	Soil	10	16	0.30	117	0.038	<1	0.98	0.015	0.05	0.3	<0.01	1.9	<0.1	<0.05	3	<0.5	<0.2
20110776	Soil	4	5	0.08	61	0.048	<1	0.40	0.039	0.02	<0.1	0.02	0.6	<0.1	0.06	2	<0.5	<0.2
20110778	Soil	13	16	0.38	153	0.031	<1	1.33	0.016	0.05	0.2	0.06	2.6	0.2	0.07	4	<0.5	<0.2
20110779	Soil	4	3	0.07	34	0.043	<1	0.34	0.027	0.02	<0.1	0.03	0.8	<0.1	<0.05	2	<0.5	<0.2
20110780	Soil	10	19	0.47	125	0.046	<1	1.46	0.015	0.06	0.2	0.03	2.7	0.2	<0.05	5	<0.5	<0.2
20110781	Soil	10	18	0.44	118	0.066	<1	1.22	0.013	0.06	0.1	0.02	2.3	0.2	<0.05	4	<0.5	<0.2
20110782	Soil	10	18	0.40	113	0.050	<1	1.20	0.016	0.04	0.2	0.03	2.3	0.1	<0.05	4	<0.5	<0.2
20110783	Soil	9	19	0.41	109	0.044	<1	1.12	0.015	0.04	0.2	0.03	2.2	0.1	<0.05	4	<0.5	<0.2
20110784	Soil	12	13	0.11	304	0.034	2	0.92	0.020	0.03	<0.1	0.10	1.4	0.3	0.27	2	1.0	<0.2
20110785	Soil	1	5	0.11	33	0.063	<1	0.25	0.022	0.02	<0.1	<0.01	0.5	<0.1	<0.05	2	<0.5	<0.2



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	Method Analyte Unit MDL	G6	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
20110786	Soil	<0.005	0.4	9.5	5.2	13	0.4	2.0	2.7	155	1.06	15.1	4.8	0.3	13	0.1	0.3	<0.1	34	0.15	0.062
20110787	Soil	<0.005	0.2	3.5	1.2	10	<0.1	1.5	1.4	41	0.56	<0.5	<0.5	<0.1	11	<0.1	<0.1	<0.1	22	0.08	0.021
20110788	Soil	<0.005	1.3	18.5	9.9	22	0.8	7.2	13.8	1355	1.25	8.1	5.8	0.1	52	1.0	0.8	<0.1	37	0.55	0.093
20110789	Soil	<0.005	0.3	13.9	4.0	25	0.3	3.9	2.4	166	0.72	10.0	4.1	0.2	35	0.1	0.6	<0.1	18	0.37	0.065
20110790	Soil	0.013	1.3	29.3	20.7	72	1.5	9.3	8.6	1524	1.73	56.7	22.0	0.4	86	1.5	3.1	0.1	35	0.84	0.119
20110791	Soil	0.011	0.3	16.6	12.3	55	0.4	7.2	3.8	211	1.44	24.1	12.9	0.8	37	0.4	1.8	0.1	28	0.46	0.080
20110792	Soil	<0.005	0.4	10.6	19.9	49	0.3	5.2	4.4	327	1.17	27.9	5.0	0.5	18	0.2	1.3	<0.1	31	0.20	0.046



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
20110786	Soil	4	4	0.08	31	0.041	<1	0.40	0.028	0.02	<0.1	0.03	0.6	<0.1	<0.05	2	<0.5	<0.2
20110787	Soil	2	3	0.04	27	0.033	<1	0.20	0.025	0.02	<0.1	0.02	0.4	<0.1	<0.05	1	<0.5	<0.2
20110788	Soil	9	12	0.16	153	0.034	<1	0.80	0.029	0.04	<0.1	0.08	1.3	0.2	0.13	3	0.6	<0.2
20110789	Soil	5	6	0.12	95	0.026	<1	0.60	0.037	0.04	<0.1	0.03	0.9	<0.1	<0.05	2	<0.5	<0.2
20110790	Soil	12	13	0.20	225	0.026	2	1.32	0.028	0.07	<0.1	0.10	2.6	0.1	0.11	4	<0.5	<0.2
20110791	Soil	10	16	0.26	143	0.036	1	1.24	0.020	0.05	0.2	0.08	2.3	0.1	0.06	4	<0.5	<0.2
20110792	Soil	7	9	0.18	76	0.030	<1	0.81	0.017	0.04	0.1	0.04	1.0	<0.1	<0.05	3	<0.5	<0.2



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Method	G6	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001

20111148	Soil	<0.005	0.8	26.1	7.7	41	0.1	11.0	8.1	809	1.94	4.5	<0.5	0.8	27	<0.1	0.4	0.1	48	0.35	0.033
20110139	Soil	0.009	0.7	13.4	22.5	34	0.5	6.9	10.7	783	1.36	19.6	7.6	0.7	24	0.2	0.6	<0.1	37	0.24	0.072
20110140	Soil	0.025	1.0	28.6	34.8	125	2.3	7.8	4.3	377	1.60	30.9	22.6	0.8	26	2.0	2.8	1.7	33	0.52	0.071
20110091	Soil	0.013	0.9	16.6	20.1	50	0.2	9.6	10.4	172	1.92	11.6	10.3	0.9	21	0.6	0.9	0.2	42	0.23	0.045
20110092	Soil	0.022	1.4	22.1	11.1	53	<0.1	18.5	20.3	931	2.95	19.7	33.7	2.7	42	0.3	1.1	0.3	65	0.51	0.064
20110093	Soil	0.017	0.9	21.6	25.8	83	2.6	11.5	7.9	398	1.96	39.9	20.0	0.8	37	0.5	2.7	0.2	51	0.40	0.061



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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit	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	0.1	0.05	1	0.5	0.2

20111148	Soil	6	20	0.29	301	0.045	<1	1.17	0.016	0.05	0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
20110139	Soil	7	13	0.24	108	0.040	<1	1.00	0.025	0.04	0.1	0.04	1.6	0.1	0.05	3	<0.5	<0.2
20110140	Soil	8	12	0.19	132	0.022	<1	0.90	0.022	0.04	0.1	0.10	2.1	<0.1	<0.05	3	0.7	<0.2
20110091	Soil	13	15	0.26	60	0.036	<1	1.08	0.014	0.05	0.1	0.06	2.0	<0.1	0.05	3	<0.5	<0.2
20110092	Soil	12	32	0.70	125	0.047	<1	1.98	0.017	0.14	0.5	0.04	3.2	0.3	<0.05	6	<0.5	<0.2
20110093	Soil	9	20	0.39	117	0.055	1	1.22	0.025	0.09	0.1	0.06	2.3	0.1	0.06	4	<0.5	<0.2



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	Method Analyte Unit MDL	G6	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
20110736	Soil	<0.005	0.5	15.0	9.3	43	0.1	10.2	4.6	193	1.93	13.8	9.2	1.7	22	0.2	0.8	0.2	52	0.23	0.032
REP 20110736	QC	0.040																			
20110752	Soil	<0.005	<0.1	7.5	4.6	21	0.2	1.9	2.4	61	0.83	6.1	2.8	0.5	12	<0.1	0.2	<0.1	27	0.15	0.047
REP 20110752	QC		0.1	7.4	4.5	19	0.2	2.2	2.3	58	0.82	5.9	2.8	0.5	11	<0.1	0.2	<0.1	26	0.15	0.045
20110781	Soil	0.024	0.6	11.7	57.7	104	0.3	8.4	6.8	244	1.89	43.6	9.2	2.6	23	0.6	2.1	0.3	52	0.26	0.054
REP 20110781	QC	<0.005																			
Reference Materials																					
STD DS8	Standard		13.5	110.0	129.0	322	1.9	39.0	7.5	625	2.55	26.6	109.3	7.0	66	2.5	5.8	6.9	43	0.70	0.085
STD DS8	Standard		12.8	122.5	127.1	326	1.8	38.0	7.8	586	2.42	27.3	109.4	7.3	62	2.7	6.1	7.4	43	0.67	0.089
STD DS8	Standard		13.6	111.6	129.9	324	1.8	38.8	7.4	634	2.53	25.2	109.2	7.0	66	2.4	5.4	6.5	43	0.68	0.081
STD DS8	Standard		14.5	117.0	114.6	310	1.8	38.6	7.8	593	2.48	26.5	112.1	7.1	68	2.7	5.8	6.9	43	0.66	0.081
STD DS8	Standard		13.4	116.2	126.5	337	1.9	40.3	7.9	613	2.46	26.0	125.6	7.3	71	2.7	6.0	7.1	45	0.70	0.082
STD DS8	Standard		13.2	109.2	121.3	303	1.7	37.0	7.3	605	2.39	24.2	103.8	6.7	66	2.2	5.7	6.6	41	0.67	0.079
STD OXH82	Standard	1.321																			



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.1	0.05	1	0.5
Pulp Duplicates																		
20110736	Soil	9	17	0.27	120	0.074	1	1.18	0.016	0.06	0.4	<0.01	1.9	<0.1	0.08	6	<0.5	<0.2
REP 20110736	QC																	
20110752	Soil	3	4	0.08	32	0.042	<1	0.35	0.030	0.03	<0.1	0.01	0.7	<0.1	<0.05	2	<0.5	<0.2
REP 20110752	QC	3	3	0.08	31	0.039	<1	0.35	0.028	0.03	<0.1	<0.01	0.7	<0.1	<0.05	2	<0.5	<0.2
20110781	Soil	10	18	0.44	118	0.066	<1	1.22	0.013	0.06	0.1	0.02	2.3	0.2	<0.05	4	<0.5	<0.2
REP 20110781	QC																	
Reference Materials																		
STD DS8	Standard	15	120	0.63	280	0.117	2	0.94	0.091	0.41	3.1	0.18	2.1	5.5	0.15	5	5.3	4.8
STD DS8	Standard	14	117	0.63	303	0.120	3	0.89	0.083	0.43	3.2	0.19	2.1	5.7	0.15	4	5.0	5.0
STD DS8	Standard	14	120	0.62	279	0.113	2	0.90	0.083	0.42	2.7	0.20	2.2	5.7	0.14	4	5.7	5.0
STD DS8	Standard	16	114	0.59	295	0.124	2	0.90	0.085	0.38	3.1	0.19	2.0	5.3	0.17	5	5.2	5.3
STD DS8	Standard	15	121	0.61	294	0.128	2	0.96	0.108	0.41	3.1	0.19	2.4	5.3	0.14	5	5.1	5.0
STD DS8	Standard	16	115	0.61	272	0.119	3	0.92	0.091	0.41	3.0	0.22	2.4	5.2	0.17	5	5.1	4.5
STD OXH82	Standard																	



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QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
STD OXH82	Standard																
STD OXH82	Standard																
STD OXH82	Standard																
STD OXH82	Standard																
STD OXH82	Standard																
STD OXH82	Standard																
STD OXH82	Standard																
STD OXH82	Standard																
STD OXH82	Standard																
STD OXH82 Expected																	
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank																
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BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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

Appendix IV

List of Geological Samples

SampleNo	LabSample	Easting	Northing	Elev (m)	Lithology	Grain size	Colour	Texture	Alteration	Mineralization	Notes
Oc-1	523470	384938	6885454	1437	Basalt		Grey	aphanitic			Grey/Green, aphanitic, extrusive igneous rock. 10-15% phenos of dark mineral (90/90 cleavage). Possibly pyroxene/amphibole. Rock is probably an andesite. *Outcrop is 15m in diameter, highly jointed/fractured
Oc-2		384850	6885412	1436	Basalt/Andesite						Same as top of Tit Mtn
Oc-3		384827	6885403	1438	Basalt/Andesite						Same as top of Tit Mtn
Oc-4		384760	6885285	1399	Basalt/Andesite						Same as top of Tit Mtn
Oc-5	523471	384727	6885315	1424	Basalt/Andesite						Similar to top of Tit Mtn, except with coarser groundmass
Oc-6		384703	6885336	1432	Basalt/Andesite						Similar to top of Tit Mtn except with fewer dark phenos (pyroxene)
Oc-7		385389	6884583	1257	Trench point only						Same as TR-AD-3, but less biotite (<10%), finer grained crystals, more extrusive appearance.
Oc-8	523480	385401	6884589	1256	Vein						2cm wide qtz vein, high level of green chlorite/sericite alteration close to vein. Several small intrusions (1.5m) present. Small quartz (0.5cm) veins present throughout the fractured/jointed structure. Continuing(?) from OC-7
Oc-11	524813	384779	6883966	1340	Basalt/Andesite	Very Fine grained					Very fine grained andesite, similar to OC-10
Oc-12		384610	6883974	1296	Trench point only						Same as OC-11
Oc-13		384457	6883952	1326	Trench point only						
Oc-15A	524822	385818	6884136	1371	Andesite						Same as TR-AV-1A except finer grained/more extrusive, felsic inclusions
Oc-15B	524823	385818	6884136	1371	Qtz porphyry						Same as TR-AV-1B, but finer grained felsic intrusion, more extrusive appearance
Top		384934	6885453	1441	Trench point only						
Tr-A-1	523463	384954	6885436	1429	Basalt		Green-grey				Same is T.O.T/O.C-1 but with green staining/manganese.
Tr-A-1-Cntc-1	523472	384951	6885436	1431	Basalt		Green-grey				Same as above
Tr-A-2		384933	6885434	1430	Basalt		Green-grey				Same as TR-A-1
Tr-A-3	523464	384902	6885439	1429	Basalt		Green-grey				Same as TR-A-1
Tr-AA-2		385058	6885572	1365	Trench point only						
Tr-AB-1		385547	6884737	1218	Trench point only						
Tr-AB-2		385532	6884731	1216	Trench point only						
Tr-AB-3		385523	6884718	1218	Trench point only						
Tr-AC-1	523474	385439	6884703	1206	Andesite/Basalt	Fine grained			chl-ser-bt	1% py	Fine grained aphanitic altered rock. Chlorite altered qtz sericite, biotite, pyrite (1%), extrusive, highly jointed.
Tr-AC-2	523475	385432	6884698	1213	Andesite/Basalt						Similar to AC-1

Table AIV-1: List of geological mapping samples

SampleNo	LabSample	Easting	Northing	Elev (m)	Lithology	Grain size	Colour	Texture	Alteration	Mineralization	Notes
Tr-AC-3	523476	385418	6884688	1217	Extrusive (Basalt)	Fine to medium grained	Green-grey		strong chl	0.5% py	Grey/green fine to medium grained extrusive. Strong chlorite alteration, 15% mafics (pyroxene/bt). Occurrence of 0.5% py within close proximity to 3mm qtz vein.
Tr-AD-1	523477	385382	6884672	1221	Altered Igneous		Light green	weakly porphyritic	moderate sericite(?)		Lightly porphyritic igneous rock, shows some foliation/preferential alignment of qtz. Whole rock stained light green (epidote?), possibly a lot of alteration
Tr-AD-2	523478	385365	6884658	1228	Altered Igneous						See AD-1
Tr-AD-3	523479	385352	6884637	1232	Granodiorite	Medium			chlorite		Phaneritic equigranular, medium grained, groundmass composed of chlorite altered quartz (55%) 1-2mm, biotite (35%) 1-3mm, and sericitized feldspar (10%).
Tr-AE-1		385474	6884477	1293	Trench point only						
Tr-AE-2		385484	6884483	1289	Granodiorite						Same as OC-7 but more biotite (25%)
Tr-AE-3	524802	385503	6884490	1284	Granodiorite		Black				Same as TR-AE-2 except: appearance of hydrothermal vein. Intense Mn staining, black, highly fractured. Strike @ 150
Tr-AE-4		385522	6884501	1280	Trench point only						
Tr-AE-5		385546	6884516	1274	Trench point only						
Tr-AF-1		385618	6884519	1251	Granodiorite						Same as AE-2
Tr-AF-2		385597	6884508	1260	Trench point only						
Tr-AF-3	523481	385582	6884495	1270	Granodiorite					0.1% py	Same as AE-2 but slightly less chlorite alteration, weak mineralisation
Tr-AF-4		385572	6884492	1271	Trench point only						
Tr-AG-1		385567	6884494	1272	Trench point only					trace py	Same as AF
Tr-AG-2		385561	6884474	1280	Trench point only						
Tr-AG-3		385553	6884461	1282	Trench point only						Coherent; same as AF but finer grained
Tr-AG-4	524801	385537	6884449	1287	Vein		Black/brown			manganese	Hydrothermal vein, highly fractured black/brown. Intense Mn staining.
Tr-AG-5		385511	6884433	1292	Trench point only						
Tr-AH-1		385326	6884357	1334	Trench point only						
Tr-AH-2A	524803	385336	6884369	1326	Extrusive	Fine grained			chlorite	trace py	Fine grained extrusive, highly chloritized, similar to TR-AF but fine grained and showing slight foliation/grain alignment. Trace py
Tr-AH-2B	524804	385336	6884369	1326	Extrusive			Veined	chlorite	trace py	Intense qtz/plag veining, rock similar to 2A, but appears to have gneissic texture? Veining at 190. could be just a lot of veining. Some veins appear pink and are probably Kspar rich.
Tr-AH-2.7	523805	385355	6884384	1326	Trench point only					manganese	Highly altered and limonized manganese stained rock. Rock trending at 150-170, possibly same as TR-AE-3?

Table AIV-1: List of geological mapping samples (continued)

SampleNo	LabSample	Easting	Northing	Elev (m)	Lithology	Grain size	Colour	Texture	Alteration	Mineralization	Notes
Tr-AH-3		385354	6884391	1324	Trench point only						
Tr-AI-1		385444	6884389	1318	Trench point only						
Tr-AI-2	524806	385475	6884410	1310	Trench point only						Similar to TR-AE-2
Tr-AJ-1		385422	6884283	1334	Trench point only						
Tr-AJ-2		385402	6884288	1335	Trench point only						
Tr-AJ-3	524807	385381	6884280	1336	Trench point only		Brown/yellow/orange				Highly fractured brown/yellowish orange limonitic hydrothermal vein rock, Manganese stained, crumbly. Trending 160
tr-AJ-4	524808	385345	6884266	1331	Trench point only	Aphanitic			chloritized	Trace py	Similar to TR-AE-2, but highly chloritized, fine grained, aphanitic, extrusive with lower biotite, trace py
Tr-AJ-5		385327	6884251	1334	Trench point only					Trace py	Same as TR-AH-2B, trace pyrite. Intense qtz veining
Tr-AK-3		385589	6884151	1347	Trench point only						Same as AK-2
Tr-AL-1		384636	6883999	1292	Trench point only						
Tr-AL-2		384669	6883995	1292	Trench point only						
Tr-AL-3		384701	6883988	1297	Trench point only						
Tr-AM-1		384685	6883950	1293	Trench point only						
Tr-AM-2		384642	6883943	1289	Trench point only						
Tr-AM-3		384573	6883946	1289	Trench point only						
Tr-AN-1		384523	6883946	1301	Trench point only						
Tr-AN-2		384551	6883934	1292	Trench point only						
Tr-AN-3		384599	6883905	1285	Trench point only						
Tr-AO-1		384603	6883900	1285	Trench point only						
Tr-AO-2		384617	6883913	1283	Trench point only						
Tr-AO-3		384631	6883927	1286	Trench point only						
Tr-AP-1		384543	6883965	1295	Trench point only						
Tr-AP-2		384579	6883964	1291	Trench point only						
Tr-AQ-1		384864	6884029	1310	Trench point only						
Tr-AQ-2		384924	6884046	1302	Trench point only						
Tr-AQ-3		385020	6884066	1307	Trench point only						
Tr-AR-1		385025	6884042	1305	Trench point only						
Tr-AR-2		385070	6884055	1308	Trench point only						
Tr-AR-3		385107	6884065	1311	Trench point only						
Tr-AS-1		385197	6884173	1323	Trench point only						
Tr-AS-3		385297	6884232	1335	Trench point only						
Tr-AU-1		385550	6884374	1314	Trench point only						
Tr-AU-2		385536	6884357	1322	Trench point only						
Tr-AU-3	524818	385524	6884341	1325	Basalt/Andesite	Fine grained			Strong chlorite	py, trace sph	Mostly aphanitic extrusive igneous rock, moderately magnetic. Highly chlorite altered, feldspar biotite musc, fine grained. Py around 1mm qtz vein (5%). Possibly sphalerite. Mostly disseminated py.
Tr-AU-4		385510	6884329	1332	Trench point only						

Table AIV-1: List of geological mapping samples (continued)

SampleNo	LabSample	Easting	Northing	Elev (m)	Lithology	Grain size	Colour	Texture	Alteration	Mineralization	Notes
Tr-AV-1A	524819	385516	6884293	1332	Andesite	Aphanitic			chlorite	py (1%)	TR-AV1A and 1B are a contact @ 169/86, Appears to be altered but intense magma mixing and/or interfingering felsic intrusions into andesitic country rock. Andesite, fine grained, extrusive, 1mm-1cm, quartz veins, disseminated py(1%). Chlorite altered
Tr-AV-1B	524820	385516	6884293	1332	Qtz porphyry	Coarse grained					TR-AV1A and 1B are a contact @ 169/86, Appears to be altered but intense magma mixing and/or interfingering felsic intrusions into andesitic country rock. Coarse grained hypidiomorphic 55-60%qtz (3mm), 25%, feldspar, 10% biotite, disseminated sulphides
Tr-AV-2	524821	385531	6884298	1323	Andesite				manganese	0.5 sulphides	Fracture zone, highly altered blacked manganese stained rock (Andesite). Disseminated sulphides. Blebby near veins (0.5%). Aspy/galena. Similar to TR-AS-2. Strike @ 170
Tr-AV-3		385580	6884331	1320	Trench point only						
Tr-B-1		384923	6885466	1435	Basalt					Poorly	Same as top of Tit Mtn
Tr-B-2		384911	6885462	1435	Basalt					Poorly	Same as top of Tit Mtn
Tr-B-3		384891	6885446	1432	Basalt					Poorly	Same as top of Tit Mtn
Tr-C-1	523465	384886	6885440	1430	Qtz Monzodiorite		Grey				could be gabbro? Phaneritic, small phenos of light green yellow mineral (olive?), grey groundmass
Tr-C-1	523466	384886	6885440	1430	Qtz Monzodiorite		Grey				could be gabbro? Phaneritic, small phenos of light green yellow mineral (olive?), grey groundmass
Tr-C-2		384878	6885437	1430	Basalt						Same as top of Tit Mtn
Tr-C-3		384871	6885435	1428	Intrusive		grey/green				
Tr-D-1		384891	6885423	1425	Basaltic						Same as top of Tit Mtn
Tr-D-2		384885	6885421	1425	Basaltic						
Tr-D-3		384881	6885419	1426	Basaltic						
Tr-E-1		384922	6885413	1420	Basaltic				Weak		Weak alteration in Tr-E between Pts 1 and 2
Tr-E-2		384900	6885409	1420	Basaltic				Weak		Weak alteration in Tr-E between Pts 1 and 2
Tr-E-3		384878	6885399	1421	Basaltic						
Tr-F-1		384787	6885382	1425	Trench point only					trace py	
Tr-F-2		384778	6885377	1424	Trench point only						
Tr-F-3		384768	6885368	1422	Trench point only						
Tr-G-1		384761	6885362	1423	Trench point only						
Tr-G-2		384752	6885354	1420	Trench point only						
Tr-H-1		384803	6885417	1429	Trench point only						
Tr-H-2		384792	6885413	1429	Trench point only						
Tr-I-1		384783	6885406	1429	Trench point only						
Tr-I-2		384766	6885395	1428	Trench point only						
Tr-I-3		384739	6885381	1427	Trench point only						
Tr-J-1		384754	6885441	1419	Trench point only						
Tr-J-2		384736	6885432	1418	Trench point only						
Tr-J-3		384722	6885423	1420	Trench point only						

Table AIV-1: List of geological mapping samples (continued)

SampleNo	LabSample	Easting	Northing	Elev (m)	Lithology	Grain size	Colour	Texture	Alteration	Mineralization	Notes
Tr-K-1	523467	384737	6885535	1369	Altered intrusive		green/grey		moderately	3-5% py and aspy	Green/grey altered igneous intrusive, possibly basalt. Evidence of calcite veining and good amount of sulphides. 3-5% py and aspy.
Tr-K-2	523468	384729	6885536	1369	Basalt		greenish yellow/orange		bleached		Contact! Rock becomes highly bleached and breaks easily. Greenish yellow/orange rock also shows tight joints/planes (small planes). Striking at 220. Evidence of 2 drill holes. Hydrothermal vein present.
Tr-K-2	523469	384729	6885536	1369	Altered basalt						
Tr-K-3		384721	6885530	1368	Trench point only						
Tr-L-1		384792	6885569	1362	Trench point only						
Tr-L-2		384771	6885562	1364	Trench point only						
Tr-L-3		384756	6885553	1367	Trench point only						
Tr-M-1		384891	6885598	1355	Qtz-rich porphyry						Evidence of qtz-rich porphyry
Tr-M-2		384868	6885591	1350	Trench point only						many contacts
Tr-M-3		384841	6885585	1355	Intrusive						4cm thick qtz/feldspar rich vein present. Possible intrusion
Tr-N-1		384738	6885625	1329	Trench point only					minor	evidence of sulphides
Tr-N-2	523482	384727	6885621	1329	Altered Rock						
Tr-O-1		384680	6885595	1344	Basalt					py, aspy, trace cpy	
Tr-O-2	523483	384667	6885592	1348	Basalt						
Tr-O-3		384642	6885581	1349	Trench point only						
Tr-P-1		384705	6885615	1340	Trench point only						
Tr-P-2		384709	6885627	1336	Trench point only						
Tr-P-3		384711	6885643	1331	Trench point only						
Tr-Q-1		384731	6885639	1332	Trench point only						
Tr-Q-2		384720	6885637	1335	Trench point only					1% py	
TR-AAA-1		385476	6884640	1245	Trench point only						
TR-AAA-2		385468	6884632	1246	Andesite	Fine grained	grey to brown		chlorite, biotite	trace py	no bedrock present but large angular rocks all of the same type in abundance, assumed bedrock was close . Possible frost heave.
TR-AAA-3		385460	6884627	1247	Trench point only						
OC-A		385484	6884511	1294	Andesite	Fine grained	dark green to grey		chlorite, serpentine, epidote, biotite	None	oxidized stringers present
OC-B	524824	385463	6884469	1307	Andesite	Medium to fine grained	dark green		biotite, chlorite, epidote	1-2% aspy or py	less feldspar present, rock looked much darker than rock in TR-AAA-2
OC-C		385395	6884357	1331	A:Andesite B:Granodiorite C:Banded Andesite	A: Fine grained B: medium to coarse grained c: Fine grained	A: Dark green to grey B: Light pink to grey C: Light grey to Dark Green	A: Silicified	A:Epidote Chlorite for all	A: 1-2% aspy or py B: trace sulfides C: None	Folding occurred with in the banded rock , as well as some micro faulting.

Table AIV-1: List of geological mapping samples (continued)

SampleNo	LabSample	Easting	Northing	Elev (m)	Lithology	Grain size	Colour	Texture	Alteration	Mineralization	Notes
TR-AAB-5	524753	385564	6884219	1340	Altered Rock	Fine grained	light grey to orange to green		chlorite and epidote	blebs of py	from 4.5 to 5 alteration and weather increase towards 5. host rock can not be identified. Large amounts of MgO weathering on the surface.
TR-AAB-6		385585	6884233	1338	Andesite	Very fine grained	dark grey to green	Aphanitic	chlorite	blebs of py	some coarse grained granodiorite present with larger feldspar phenocrysts.
TR-AAB-7		385611	6884248	1334	Trench point only						
TR-AAB-8		385683	6884284	1327	Trench point only						
TR-AAB-9	524754	385713	6884305	1321	Andesite, Granodiorite	Very fine grained	dark grey and light grey	Aphanitic and silicified	Chlorite		
TR-AK-4		385629	6884176	1344	Andesite, Granodiorite	Very fine grained	dark grey and light grey	Aphanitic and silicified	Chlorite and Biotite	py blebs	Seems as though the granodiorite is intruding through the andesite. Which also accounts for the dark and light banding sections.
TR-AK-5		385647	6884191	1342	Andesite and Granodiorite	Very fine grained and coarse grained	Dark grey to light grey	Aphanitic, phaneritic and silicifies	sil, feldspar and chlorite		A coarse grained granodiorite and fine grained granodiorite intruding through the andesite .
TR-AK-6	524755	385680	6884218	1338	Andesite and Granodiorite	Very fine grained and coarse grained	Dark grey to light grey	Aphanitic and silicified	sil, chlorite and qtz	py blebs	More granodiorite intrusions. Andesite is banded and some sections has visible pyroxene and biotite crystals. Possibly Dykes/intrusions between 2cm and 2m wide. Striking between 140 and 120 dipping between 75 and 60.
TR-AK-6	524756	385680	6884218	1338	Andesite and Granodiorite	Very fine grained and coarse grained	Dark grey to light grey	Aphanitic and silicified	sil, chlorite and qtz	py blebs	More Granodiorite intrusions. Andesite is banded and some sections has visible pyroxene and biotite crystals. Possibly Dykes/intrusions between 2cm and 2m wide. Striking between 140 and 120 dipping between 75 and 60.
TR-AK-7		385722	6884244	1336	Andesite	Very fine grained	dark green to dark grey	Aphanitic	Chlorite and biotite	py blebs	Also hosting a few intrusions but not nearly as much as described above. Possibly some Diorite sections as well .
TR-AAC-1		386231	6884283	1389	Trench point only						
TR-AAC-2		386189	6884304	1379	Andesite	Very fine grained	dark green to shiny black	Aphanitic	biotite and chlorite		more micas than other andesites, partly silicified. Heavily altered MgO and limonite rock beside the andesite, but too altered to tell the host rock.

Table AIV-1: List of geological mapping samples (continued)

SampleNo	LabSample	Easting	Northing	Elev (m)	Lithology	Grain size	Colour	Texture	Alteration	Mineralization	Notes
TR-AAD-1		385993	6884657	1309	Andesite	Very fine grained	dark grey to green	Aphanitic	limonite and chlorite		py weathered out and spaces left in the rock. Fractures of the rock were 328/34 and 176/70.
TR-AAD-2	524757	386003	6884661	1308	Granodiorite	Coarse grained	pinkish white to green	Phaneritic	epidote and chlorite	calcite	weathered surface shows weathered out crystals. Possibly calcite? or chlorite. Granodiorite contacting highly silicified rock. Then moved into limonite altered granodiorite which had calcite veining. Then back into unweathered granodiorite.
TR-AAD-3	524758	386021	6884673	1308	Granodiorite	Coarse grained	pinkish white to dark green	Phaneritic	epidote and chlorite	trace sulfides	more mafic minerals present/ in contact with some andesite. Bleached and lim/MgO weathered granodiorite
TR-AAD-4	524759	386027	6884682	1309	Granodiorite	Crystalline	white to green	Aphanitic	epidote and silicified		qtz rich rock, wavy fabric
TR-AAD-5		386053	6884668	1310	Granodiorite	Medium to coarse grained	grey to pink	Phaneritic	chlorite and epidote		in contact with andesite clast types, also with bleached granodiorite
TR-AAD-6	524760	385993	6884700	1306	Altered Granodiorite	Medium grained	yellowish to pinky	Phaneritic	chlorite, sericite and lim	trace disseminated py	highly magnetic. Nearing the end of the trench the granodiorite was less and less altered. Andesite became less magnetic.
TR-AAD-7		385968	6884717	1307	Trench point only						

Table AIV-1: List of geological mapping samples (continued)

Appendix V

Certificate of analysis for hand samples



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Coast Mountain Geological**

620 - 650 W. Georgia St.
PO Box 11604
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Submitted By: Gary Schellenberg

Receiving Lab: Canada-Whitehorse

Received: August 19, 2011

Report Date: October 07, 2011

Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI11001241.1

CLIENT JOB INFORMATION

Project: Charlotte Project
Shipment ID: CHAR11-025
P.O. Number
Number of Samples: 46

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT Store After 90 days Invoice for Storage

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: Coast Mountain Geological
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9
Canada

CC: Bernie Dewonek
Peter Dadson
Nicola Struyk

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	46	Crush split and pulverize 250g drill core to 200 mesh			WHI
G601	46	Fire Assay fusion Au by ICP-ES	30	Completed	VAN
1DX2	46	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
7TD	1	4-acid Digestion ICP-ES Finish	0.5	Completed	VAN

ADDITIONAL COMMENTS



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



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Client: **Coast Mountain Geological**
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PO Box 11604
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Project: Charlotte Project
Report Date: October 07, 2011

Page: 2 of 3 Part 1

CERTIFICATE OF ANALYSIS

WHI11001241.1

	Method Analyte Unit MDL	WGHT	G6	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
		kg	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
523463	Rock	0.24	<0.005	1.7	14.6	226.6	772	0.1	7.5	10.4	402	4.30	11.9	1.4	1.9	205	3.3	2.0	<0.1	124
523464	Rock	0.21	<0.005	1.7	23.5	21.7	103	0.2	10.5	13.3	554	4.43	9.5	3.3	3.6	94	0.5	1.0	<0.1	165
523465	Rock	0.34	<0.005	2.2	13.9	9.6	857	<0.1	46.8	11.9	1603	3.12	7.0	1.9	5.5	76	55.5	2.1	<0.1	38
523466	Rock	0.22	<0.005	1.9	13.2	48.4	1506	<0.1	28.5	6.1	334	2.15	10.4	3.5	6.0	15	13.2	2.8	<0.1	23
523467	Rock	1.43	0.043	1.6	132.1	23.8	3375	1.1	69.7	28.1	2333	4.48	44.6	35.1	6.4	42	73.3	1.1	4.1	67
523468	Rock	0.55	0.038	2.8	35.0	28.0	1264	0.7	44.5	18.6	920	3.38	33.1	36.0	6.5	142	20.8	1.5	3.1	78
523469	Rock	0.78	0.200	2.3	152.1	239.2	649	6.9	4.4	4.3	939	3.64	1578	93.7	5.3	62	9.8	5.1	10.6	24
523470	Rock	0.78	<0.005	0.7	22.2	32.4	123	0.2	7.7	11.9	571	3.25	13.4	3.7	3.3	123	0.5	0.9	0.1	133
523471	Rock	0.41	0.008	0.4	7.1	22.9	149	<0.1	6.8	7.1	669	2.66	6.9	1.3	6.1	67	0.6	0.5	0.1	74
523472	Rock	0.49	<0.005	3.3	1.4	4.9	21	<0.1	0.7	2.1	38	0.23	2.5	0.8	2.7	10	0.2	0.2	<0.1	7
523474	Rock	0.43	<0.005	1.4	14.8	12.3	136	0.1	7.3	13.6	1049	3.73	47.5	<0.5	3.1	143	0.4	1.1	0.1	114
523475	Rock	0.86	<0.005	1.7	21.3	13.2	64	<0.1	5.3	8.7	420	3.04	6.3	1.2	4.3	72	0.3	0.7	<0.1	108
523476	Rock	0.90	0.007	2.1	18.7	9.2	56	0.1	6.3	11.5	773	3.37	21.8	1.8	5.1	124	0.2	0.7	<0.1	109
523477	Rock	0.29	0.005	1.2	36.1	24.9	230	0.4	46.2	15.1	830	4.00	7.1	1.4	7.2	32	0.5	5.5	0.3	64
523478	Rock	0.22	<0.005	0.9	14.1	8.0	55	<0.1	7.8	11.5	430	3.28	2.8	1.3	4.5	81	0.1	0.3	<0.1	136
523479	Rock	0.23	<0.005	1.6	15.1	6.2	29	<0.1	6.4	7.4	183	2.43	2.0	<0.5	6.1	98	0.1	0.2	<0.1	104
523480	Rock	0.18	0.013	1.1	2.5	6.0	38	<0.1	3.8	12.1	3064	1.69	5.6	<0.5	1.8	98	0.2	0.3	0.1	28
523481	Rock	0.66	<0.005	1.6	14.8	7.6	53	<0.1	4.8	10.0	460	3.27	4.2	<0.5	4.9	64	0.2	0.2	<0.1	127
524753	Rock	0.79	<0.005	0.2	7.7	8.6	22	<0.1	1.4	1.4	213	0.94	4.5	0.6	3.3	51	<0.1	1.1	0.1	4
524754	Rock	0.49	<0.005	0.2	3.4	8.9	22	<0.1	1.2	0.5	128	0.38	2.4	<0.5	<0.1	25	0.4	0.2	<0.1	<2
524755	Rock	0.43	<0.005	0.3	12.2	17.1	45	<0.1	2.2	2.4	149	0.91	2.6	<0.5	1.0	42	0.2	1.3	<0.1	21
524756	Rock	0.41	<0.005	0.4	27.4	7.0	80	<0.1	22.4	20.1	601	3.56	4.3	<0.5	1.7	38	0.5	0.2	<0.1	129
524757	Rock	0.29	0.006	0.6	12.9	17.8	48	<0.1	2.2	3.9	362	1.69	3.7	1.7	18.9	33	0.5	2.0	<0.1	33
524758	Rock	0.45	<0.005	0.8	17.5	17.6	75	0.2	4.7	7.6	661	3.50	10.1	1.8	10.0	35	0.3	1.1	0.3	88
524759	Rock	0.56	0.012	0.8	8.0	17.9	286	0.5	4.8	9.4	736	2.95	112.7	5.8	11.3	36	7.7	1.1	0.2	70
524760	Rock	0.75	0.012	0.8	19.8	15.1	134	0.3	2.0	4.4	539	0.96	39.0	5.1	23.3	11	3.7	3.3	0.2	3



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Project: Charlotte Project

Report Date: October 07, 2011

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	7TD
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Zn
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%
		0.001	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	0.01
523463	Rock	0.063	4	10	1.16	286	0.099	7	4.43	0.680	0.13	0.2	0.06	5.6	0.2	0.14	10	<0.5	<0.2	
523464	Rock	0.057	4	31	1.79	207	0.191	3	2.68	0.286	0.50	0.3	<0.01	3.9	0.4	<0.05	8	<0.5	<0.2	
523465	Rock	0.065	26	69	1.60	82	0.003	2	2.00	0.005	0.22	<0.1	<0.01	2.9	0.2	<0.05	6	<0.5	<0.2	
523466	Rock	0.077	27	53	0.09	69	0.003	2	0.94	0.006	0.27	0.3	<0.01	3.7	0.2	<0.05	2	<0.5	<0.2	
523467	Rock	0.057	7	122	2.18	87	0.003	2	2.52	0.009	0.20	<0.1	0.02	4.8	0.3	1.59	7	<0.5	<0.2	
523468	Rock	0.064	12	104	1.90	168	0.020	2	2.44	0.118	0.21	<0.1	0.01	6.6	0.4	0.72	8	<0.5	<0.2	
523469	Rock	0.084	8	8	0.21	113	0.001	2	0.65	0.010	0.43	<0.1	0.04	2.2	0.5	1.28	2	<0.5	<0.2	
523470	Rock	0.059	8	16	1.29	61	0.213	3	3.31	0.319	0.13	0.2	<0.01	2.3	<0.1	<0.05	8	<0.5	<0.2	
523471	Rock	0.054	13	17	0.99	98	0.197	2	1.79	0.176	0.43	0.4	<0.01	2.5	0.2	<0.05	6	<0.5	<0.2	
523472	Rock	0.099	13	<1	0.02	110	<0.001	1	0.58	0.013	0.39	<0.1	<0.01	0.4	0.1	<0.05	2	<0.5	<0.2	
523474	Rock	0.079	12	21	1.53	145	0.046	1	1.67	0.129	0.18	<0.1	<0.01	8.5	0.1	0.10	7	<0.5	<0.2	
523475	Rock	0.082	8	21	1.02	78	0.134	2	1.31	0.115	0.10	0.1	<0.01	2.2	<0.1	<0.05	6	<0.5	<0.2	
523476	Rock	0.095	13	25	1.19	72	0.105	2	1.65	0.124	0.13	0.1	<0.01	5.0	<0.1	0.38	6	<0.5	<0.2	
523477	Rock	0.075	21	78	0.36	28	0.004	<1	1.34	0.019	0.09	0.6	0.01	8.6	0.1	<0.05	3	0.5	<0.2	
523478	Rock	0.083	10	33	1.07	423	0.233	2	1.62	0.146	0.37	0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2	
523479	Rock	0.066	10	21	0.65	146	0.100	3	1.76	0.312	0.38	0.2	<0.01	2.1	0.2	<0.05	5	<0.5	<0.2	
523480	Rock	0.048	29	8	0.70	119	0.002	4	1.13	0.017	0.29	<0.1	<0.01	3.1	0.1	<0.05	3	<0.5	<0.2	
523481	Rock	0.066	10	18	1.07	129	0.159	2	1.67	0.203	0.38	<0.1	<0.01	4.7	0.1	<0.05	6	<0.5	<0.2	
524753	Rock	0.024	6	1	0.25	73	<0.001	3	0.35	0.047	0.20	<0.1	<0.01	0.5	0.1	0.14	1	<0.5	<0.2	
524754	Rock	0.001	<1	2	0.04	18	<0.001	<1	0.28	0.079	0.13	<0.1	<0.01	<0.1	<0.1	<0.05	1	<0.5	<0.2	
524755	Rock	0.041	4	4	0.24	55	0.060	2	0.42	0.088	0.12	0.2	<0.01	0.7	<0.1	<0.05	3	<0.5	<0.2	
524756	Rock	0.069	7	39	2.22	114	0.275	1	2.29	0.270	0.59	<0.1	<0.01	10.2	0.2	0.10	7	<0.5	<0.2	
524757	Rock	0.023	19	5	0.43	51	0.037	2	0.70	0.064	0.11	0.2	<0.01	2.3	<0.1	<0.05	3	<0.5	<0.2	
524758	Rock	0.047	9	11	1.05	40	0.131	2	1.37	0.096	0.09	0.2	<0.01	5.1	<0.1	0.13	7	0.6	<0.2	
524759	Rock	0.048	15	10	0.89	82	0.013	2	1.23	0.077	0.15	<0.1	<0.01	5.2	0.1	<0.05	5	<0.5	<0.2	
524760	Rock	0.016	30	2	0.07	81	<0.001	3	0.48	0.007	0.25	<0.1	0.01	0.9	0.2	0.12	<1	<0.5	<0.2	



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	WGHT	G6	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
524818	Rock	0.76	<0.005	0.2	81.0	44.8	149	0.3	45.5	31.1	659	5.69	11.5	4.9	0.5	122	0.8	0.3	0.4	162	2.22
524819	Rock	0.24	0.018	0.3	41.5	11.7	53	0.1	6.9	9.3	724	4.93	7.2	0.7	1.2	44	0.2	0.7	<0.1	172	1.53
524820	Rock	0.37	0.008	0.2	24.7	7.5	54	<0.1	2.6	4.7	264	1.65	3.4	<0.5	1.5	27	0.2	0.7	<0.1	28	0.61
524821	Rock	1.00	0.023	4.0	7.9	8.8	110	0.1	1.7	2.6	334	1.11	31.0	21.2	2.7	44	1.4	2.2	<0.1	6	1.61
524822	Rock	0.44	<0.005	0.4	14.9	9.1	39	<0.1	6.0	7.2	322	1.88	3.3	1.2	0.7	23	<0.1	0.3	<0.1	62	1.03
524801	Rock	0.51	0.018	7.1	17.5	1158	>10000	41.2	1.6	5.2	>10000	6.96	171.1	18.2	0.1	10	205.6	27.7	<0.1	<2	0.74
524802	Rock	0.29	<0.005	2.2	8.4	18.3	8634	0.1	5.8	14.6	>10000	4.10	197.4	3.4	7.0	9	33.1	2.5	<0.1	44	0.24
524803	Rock	0.46	<0.005	0.6	42.8	15.9	103	0.2	10.7	10.8	875	2.90	8.9	2.6	2.5	39	0.9	0.3	<0.1	111	1.11
524804	Rock	0.33	<0.005	0.4	16.6	17.1	62	0.1	10.3	9.2	500	3.24	5.8	1.3	1.9	44	0.3	0.4	0.1	127	1.03
524805	Rock	0.22	<0.005	0.6	14.0	7.5	43	0.2	3.1	5.3	880	1.10	69.6	4.2	0.9	13	0.5	4.8	<0.1	5	2.25
524806	Rock	0.23	<0.005	1.8	12.0	16.4	86	0.1	4.6	11.3	574	3.92	1.9	3.3	3.7	70	0.4	0.4	<0.1	147	1.66
524807	Rock	0.31	<0.005	1.4	23.7	8.4	1260	0.3	18.9	11.2	1317	3.80	75.3	6.4	2.0	36	5.0	21.5	<0.1	152	0.46
524808	Rock	0.27	0.014	2.6	86.3	6.1	126	0.2	15.1	35.1	959	6.93	15.2	15.2	0.4	195	0.2	0.2	<0.1	197	2.33



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CERTIFICATE OF ANALYSIS

WHI11001241.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	7TD
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Zn
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%
MDL	0.001	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	0.01
524818	Rock	0.040	2	208	1.77	89	0.132	2	2.63	0.309	0.12	0.3	0.03	5.5	<0.1	1.00	8	<0.5	<0.2
524819	Rock	0.134	5	10	0.55	54	0.172	<1	0.75	0.119	0.06	0.1	<0.01	5.8	<0.1	0.21	6	<0.5	<0.2
524820	Rock	0.050	4	6	0.48	60	0.033	1	0.65	0.081	0.09	<0.1	0.01	1.3	<0.1	0.08	6	<0.5	<0.2
524821	Rock	0.047	6	3	0.53	73	<0.001	3	0.43	0.054	0.23	<0.1	0.01	0.7	0.2	0.15	1	<0.5	<0.2
524822	Rock	0.043	3	8	0.67	34	0.104	1	1.17	0.158	0.15	<0.1	<0.01	5.1	<0.1	0.08	7	<0.5	<0.2
524801	Rock	0.003	1	<1	0.97	8	<0.001	2	0.04	0.007	0.01	0.3	0.07	0.9	0.4	0.10	9	<0.5	<0.2
524802	Rock	0.090	22	7	0.14	14	0.001	<1	0.74	0.001	0.08	<0.1	0.09	10.7	0.2	<0.05	3	<0.5	<0.2
524803	Rock	0.050	5	20	0.71	77	0.103	<1	0.84	0.112	0.10	0.1	<0.01	3.2	<0.1	0.08	4	<0.5	<0.2
524804	Rock	0.055	4	27	0.79	53	0.124	<1	0.89	0.115	0.08	0.2	<0.01	3.2	<0.1	<0.05	4	<0.5	<0.2
524806	Rock	0.065	8	21	1.17	172	0.154	<1	1.86	0.234	0.40	0.1	0.01	5.6	0.2	<0.05	6	0.7	<0.2
524807	Rock	0.083	7	26	0.55	48	0.063	<1	1.60	0.052	0.13	0.1	0.01	8.4	0.1	<0.05	6	<0.5	<0.2
524808	Rock	0.028	2	21	3.11	136	0.187	1	6.30	0.412	0.48	0.7	0.01	13.9	0.2	0.64	14	0.9	0.3



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QUALITY CONTROL REPORT

WHI11001241.1

	Method Analyte Unit MDL	WGHT	G6	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
523467	Rock	1.43	0.043	1.6	132.1	23.8	3375	1.1	69.7	28.1	2333	4.48	44.6	35.1	6.4	42	73.3	1.1	4.1	67	1.58
REP 523467	QC			1.7	134.9	24.7	3567	1.2	72.4	28.3	2385	4.84	48.0	40.5	6.7	43	77.2	1.1	4.3	70	1.58
REP 523468	QC		0.031																		
REP 524803	QC			0.6	42.0	15.7	96	0.2	11.2	10.8	898	2.87	8.7	2.6	2.4	39	0.8	0.4	<0.1	110	1.11
Core Reject Duplicates																					
523468	Rock	0.55	0.038	2.8	35.0	28.0	1264	0.7	44.5	18.6	920	3.38	33.1	36.0	6.5	142	20.8	1.5	3.1	78	2.68
DUP 523468	QC		0.051	2.9	34.7	26.7	1242	0.7	43.4	18.9	932	3.21	32.7	23.3	6.3	133	20.5	1.3	3.2	74	2.68
524803	Rock	0.46	<0.005	0.6	42.8	15.9	103	0.2	10.7	10.8	875	2.90	8.9	2.6	2.5	39	0.9	0.3	<0.1	111	1.11
DUP 524803	QC		<0.005	0.5	41.1	13.5	111	0.1	10.7	10.5	693	2.75	8.8	2.5	2.5	35	0.5	0.3	<0.1	107	1.06
Reference Materials																					
STD DS8	Standard			13.8	110.2	126.9	312	1.8	37.9	7.5	622	2.60	25.5	113.9	7.2	71	2.0	5.4	7.3	45	0.71
STD DS8	Standard			12.9	105.3	122.1	300	1.8	38.0	7.3	613	2.58	23.9	119.0	6.3	54	2.1	5.0	5.6	43	0.75
STD OREAS131B	Standard																				
STD OREAS153A	Standard																				
STD OXH82	Standard		1.308																		
STD OXH82	Standard		1.341																		
STD OXH82	Standard		1.304																		
STD OXH82	Standard		1.282																		
STD OXK79	Standard		3.723																		
STD OXK79	Standard		3.647																		
STD OXK79	Standard		3.663																		
STD SU-1B	Standard																				
STD OXH82 Expected			1.278																		
STD OXK79 Expected			3.532																		

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.

December 15, 2011

Coast Mountain Geological

219



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Project: Charlotte Project

Report Date: October 07, 2011

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QUALITY CONTROL REPORT

WHI11001241.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	7TD
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Zn
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%
		0.001	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	0.01
Pulp Duplicates																				
523467	Rock	0.057	7	122	2.18	87	0.003	2	2.52	0.009	0.20	<0.1	0.02	4.8	0.3	1.59	7	<0.5	<0.2	
REP 523467	QC	0.062	7	125	2.19	90	0.003	2	2.45	0.009	0.20	<0.1	0.03	5.0	0.3	1.63	8	<0.5	<0.2	
REP 523468	QC																			
REP 524803	QC	0.048	5	19	0.70	77	0.106	<1	0.84	0.112	0.10	0.1	<0.01	3.2	<0.1	0.08	4	<0.5	<0.2	
Core Reject Duplicates																				
523468	Rock	0.064	12	104	1.90	168	0.020	2	2.44	0.118	0.21	<0.1	0.01	6.6	0.4	0.72	8	<0.5	<0.2	
DUP 523468	QC	0.060	11	101	1.92	148	0.018	2	2.46	0.114	0.19	<0.1	0.01	6.3	0.4	0.74	9	<0.5	<0.2	
524803	Rock	0.050	5	20	0.71	77	0.103	<1	0.84	0.112	0.10	0.1	<0.01	3.2	<0.1	0.08	4	<0.5	<0.2	
DUP 524803	QC	0.045	5	19	0.68	70	0.101	<1	0.80	0.086	0.09	0.1	<0.01	3.1	<0.1	0.08	4	<0.5	<0.2	
Reference Materials																				
STD DS8	Standard	0.079	16	118	0.61	292	0.123	3	0.89	0.084	0.40	3.2	0.20	2.1	5.2	0.16	5	6.2	5.6	
STD DS8	Standard	0.079	14	117	0.62	269	0.115	2	0.98	0.105	0.44	2.9	0.19	2.2	5.3	0.17	5	5.8	5.0	
STD OREAS131B	Standard																			
STD OREAS153A	Standard																			
STD OXH82	Standard																			
STD OXH82	Standard																			
STD OXH82	Standard																			
STD OXH82	Standard																			
STD OXK79	Standard																			
STD OXK79	Standard																			
STD OXK79	Standard																			
STD SU-1B	Standard																			
STD OXH82 Expected																				
STD OXK79 Expected																				



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QUALITY CONTROL REPORT

WHI11001241.1

		WGHT	G6	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
STD DS8 Expected				13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7
STD OREAS131B Expected																					
STD SU-1B Expected																					
STD OREAS153A Expected																					
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank																				
Prep Wash																					
G1	Prep Blank		<0.005	0.2	2.7	5.4	56	<0.1	2.4	3.7	520	1.92	2.5	1.1	4.9	59	0.1	0.3	0.1	37	0.47
G1	Prep Blank		0.009	0.2	2.4	4.2	52	0.2	2.5	3.6	568	1.97	9.0	7.8	5.6	62	<0.1	0.6	<0.1	38	0.45



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QUALITY CONTROL REPORT

WHI11001241.1

		1DX15 P %	1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Tl ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm	7TD Zn %
		0.001	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	0.01
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5	
STD OREAS131B Expected																				3.14
STD SU-1B Expected																				0.0235
STD OREAS153A Expected																				0.0053
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<0.001	<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	
BLK	Blank	<0.001	<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	
BLK	Blank																			<0.01
Prep Wash																				
G1	Prep Blank	0.075	11	5	0.48	144	0.108	1	0.82	0.072	0.42	<0.1	<0.01	1.8	0.3	<0.05	5	<0.5	<0.2	
G1	Prep Blank	0.069	11	5	0.49	157	0.107	2	0.90	0.093	0.48	0.1	<0.01	1.9	0.3	<0.05	5	<0.5	<0.2	



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Submitted By: Nicola Struyk

Receiving Lab: Canada-Whitehorse

Received: September 29, 2011

Report Date: November 09, 2011

Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI11001534.1

CLIENT JOB INFORMATION

Project: Charlotte Project
Shipment ID: CHAR11-031
P.O. Number
Number of Samples: 9

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT Store After 90 days Invoice for Storage

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: Coast Mountain Geological
620 - 650 W. Georgia St.
PO Box 11604
Vancouver BC V6B 4N9
Canada

CC: Bernie Dewonek
Peter Dadson
Gary Schellenberg

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	9	Crush split and pulverize 250g drill core to 200 mesh			WHI
G601	9	Fire Assay fusion Au by ICP-ES	30	Completed	VAN
1DX2	9	1:1:1 Aqua Regia digestion ICP-MS analysis	15	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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Project: Charlotte Project
Report Date: November 09, 2011

Page: 2 of 2 **Part** 1

CERTIFICATE OF ANALYSIS

WHI11001534.1

	Method Analyte Unit MDL	WGHT	G6	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
523482	Rock	0.20	<0.005	0.8	5.8	6.7	53	<0.1	3.2	5.8	329	2.25	6.2	1.7	9.4	34	0.6	0.4	0.2	61	0.64
523483	Rock	2.13	0.335	<0.1	102.5	16.9	116	1.2	3.9	13.9	518	6.22	147.2	310.3	2.8	56	0.7	1.5	9.0	95	1.95
524823	Rock	0.21	<0.005	0.2	4.4	9.4	8	<0.1	0.5	1.0	65	0.28	3.5	16.5	<0.1	15	<0.1	0.3	0.2	<2	0.29
524824	Rock	0.19	<0.005	2.2	8.4	6.1	57	<0.1	2.5	9.4	384	3.26	2.8	9.1	6.6	70	0.2	0.4	0.3	121	1.01



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CERTIFICATE OF ANALYSIS

WHI11001534.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
523482	Rock	0.047	11	12	0.74	238	0.158	2	1.25	0.109	0.32	0.5	<0.01	2.7	0.4	<0.05	5	<0.5	<0.2
523483	Rock	0.074	2	5	1.49	61	0.095	3	3.41	0.213	0.38	0.4	<0.01	5.6	1.0	3.30	9	<0.5	0.4
524823	Rock	0.001	<1	18	0.03	60	<0.001	2	0.28	0.089	0.14	<0.1	<0.01	<0.1	<0.1	<0.05	2	<0.5	<0.2
524824	Rock	0.104	14	10	0.88	206	0.193	2	1.63	0.205	0.59	0.1	<0.01	3.0	0.3	<0.05	5	<0.5	<0.2



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QUALITY CONTROL REPORT

WHI11001534.1

	Method Analyte Unit MDL	WGHT	G6	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Reference Materials																					
STD DS8	Standard	12.8 112.4 128.7 314 1.9 38.0 7.6 604 2.53 25.8 120.6 7.5 62 2.4 5.8 6.9 42 0.70																			
STD OXH82	Standard	1.308																			
STD OXK79	Standard	3.558																			
STD OXH82 Expected		1.278																			
STD OXK79 Expected		3.532																			
STD DS8 Expected		13.44 110 123 312 1.69 38.1 7.5 615 2.46 26 107 6.89 67.7 2.38 5.7 6.67 41.1 0.7																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.1 <0.1 <0.1 <1 <0.1 <0.1 <0.1 <1 <0.01 <0.5 <0.5 <0.1 <1 <0.1 <0.1 <0.1 <2 <0.01																			
Prep Wash																					
G1	Prep Blank	<0.005 0.2 1.8 4.9 85 <0.1 3.2 4.3 558 1.95 0.5 2.6 6.0 59 <0.1 <0.1 0.3 38 0.49																			
G1	Prep Blank	0.009 0.1 1.9 3.8 59 <0.1 3.2 4.2 559 1.91 <0.5 1.6 6.5 58 <0.1 <0.1 0.2 37 0.49																			



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QUALITY CONTROL REPORT

WHI11001534.1

Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Reference Materials																			
STD DS8	Standard	0.081	15	112	0.62	278	0.109	3	0.92	0.087	0.42	3.1	0.20	2.0	5.6	0.17	5	4.8	5.1
STD OXH82	Standard																		
STD OXK79	Standard																		
STD OXH82 Expected																			
STD OXK79 Expected																			
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<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
Prep Wash																			
G1	Prep Blank	0.089	11	13	0.55	484	0.123	2	1.00	0.099	0.50	0.1	<0.01	2.1	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank	0.082	12	12	0.54	308	0.124	1	1.01	0.101	0.50	<0.1	<0.01	1.9	0.3	<0.05	5	<0.5	<0.2

Appendix VI

Acme Labs Technical Procedures

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.

For 1F07, Lead isotopes (Pb₂₀₄, Pb₂₀₆, Pb₂₀₇, Pb₂₀₈) are suitable for geochemical exploration of U and other commodities where gross differences in natural to radiogenic Pb ratios, is a benefit. Isotope values can be reported in both concentrations and intensities. Sample splits of 0.25g, 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

Element	Group 1D Detection	Group 1DX Detection	Group 1F Detection	Upper Limit
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%
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	0.9 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.