SOIL AND ROCK SAMPLING REPORT

ON THE

ATHABASCA PROPERTY,

NELSON, BC

NORTHEAST/CENTRAL REGION, BC

MAPSHEET: 082F044

for

HELLIX VENTURES INC
125A Denman Street,
Vancouver, BC
V6G 2M6

By

PERRY GRUNENBERG, P.Geo.
Consulting Geologist, Kamloops BC

November 16, 2011

Tenure Numbers: 233489, 233490, 233491, 233492, 233493, 233498, 233499, 233437, 604255, 604396

Claim Owner: Mike Hudock, Nelson, BC

Coordinates: UTM 5478500 N 477600E
LAT/LONG 49.46 N 117.31 W

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SUMMARY

- The author was contracted by Hellix Ventures Inc to undertake a soil and rock sampling program on its Athabasca Property. The work program was undertaken on the property during July and August, 2011.

- The property consists of a block of 10 reverted crown grants and 2 mineral claims located near to the city of Nelson, BC.

- The original Athabasca vein was developed by underground workings and produced over 435,449 grams of gold. Mining continued intermittently until 1904.

- The property is underlain by Elise Volcanic rocks of the Rossland Group. Intrusive rocks include Nelson Batholith granite as well as Silver King Porphyry diorite.

- In 2011, Helix obtained a total of 374 soil samples and 14 rock samples from the property.

- Several trends of elevated gold in soil indicate the potential for other gold bearing structures to the south and east of the existing Athabasca vein system.

- The highest gold value from rock sampling returned 1.053 grams per tonne from a quartz vein exposed in a small shaft.

- Infill soil sampling at lines spacing of 50 metres would assist to outline potential gold bearing structures with areas greater than 100ppb gold, recommended for prospecting.

- The Athabasca mine vein system is best tested by diamond drilling on the projected down-dip extension.

1.0) INTRODUCTION

The author of this report was contracted by Hellix Ventures Inc (Hellix) to undertake a soil and rock sampling program on its Athabasca Property, located near to Nelson in Southeast British Columbia. The property hosts the historic Athabasca Mine which produced a reported 622,069 grams of gold from approximately 19,958 tonnes of ore.

The work program was undertaken on the property during July and August, 2011. The scope of this program was to verify and expand upon results summarized by previous operators of the property in various assessment and other historic reports. Previous work included magnetometer surveying and soil sampling. Some surface and underground rock sampling had also been completed adjacent to and within the old mine workings

2.0) PROPERTY DESCRIPTION AND LOCATION

The property is located near to the city of Nelson in the West Kootenay region of southeastern British Columbia. The claims are centred around UTM Zone 11 coordinates 5748500N and 477600E (see Figure 1). The claims are covered by map sheet 082F044.

The property consists of a block of 10 reverted crown grants and 2 mineral claims (see Table 1) within the Nelson Mining Division, totalling 242 hectares (see Figure 2).

Table 1
MINERAL CLAIMS

Tenure Number	Size (ha)	Old Lot # (Reverted)	Claim Name	Good To Date
233489	25	386	Long Tom	Feb 28, 2014
233490	25	392	Good Enough	Feb 28, 2014
"		2812	Good Hope	Feb 28, 2014
"		1573	Ruby Fr	Feb 28, 2014
233491	25	1570	Algoma	Feb 28, 2014
"		1574	Triangle Fr	Feb 28, 2014
233492	25	1569	Athabasca	Feb 28, 2014
"		1571	Alberta	Feb 28, 2014
233493	25	1572	Manitoba	Feb 28, 2014
"		4808	Hanky Panky	Feb 28, 2014
233498	25	Na	Ant Fr	Feb 28, 2014
233499	25	Na	Mill Fr	Feb 28, 2014
233437	25	Na	Old Hat Fr	Feb 28, 2014
604255	21	Na	At-1	May 9, 2012
604396	21	Na	At-2	May 12,2012
Total	242 Ha			

Figure 1 – Property Location

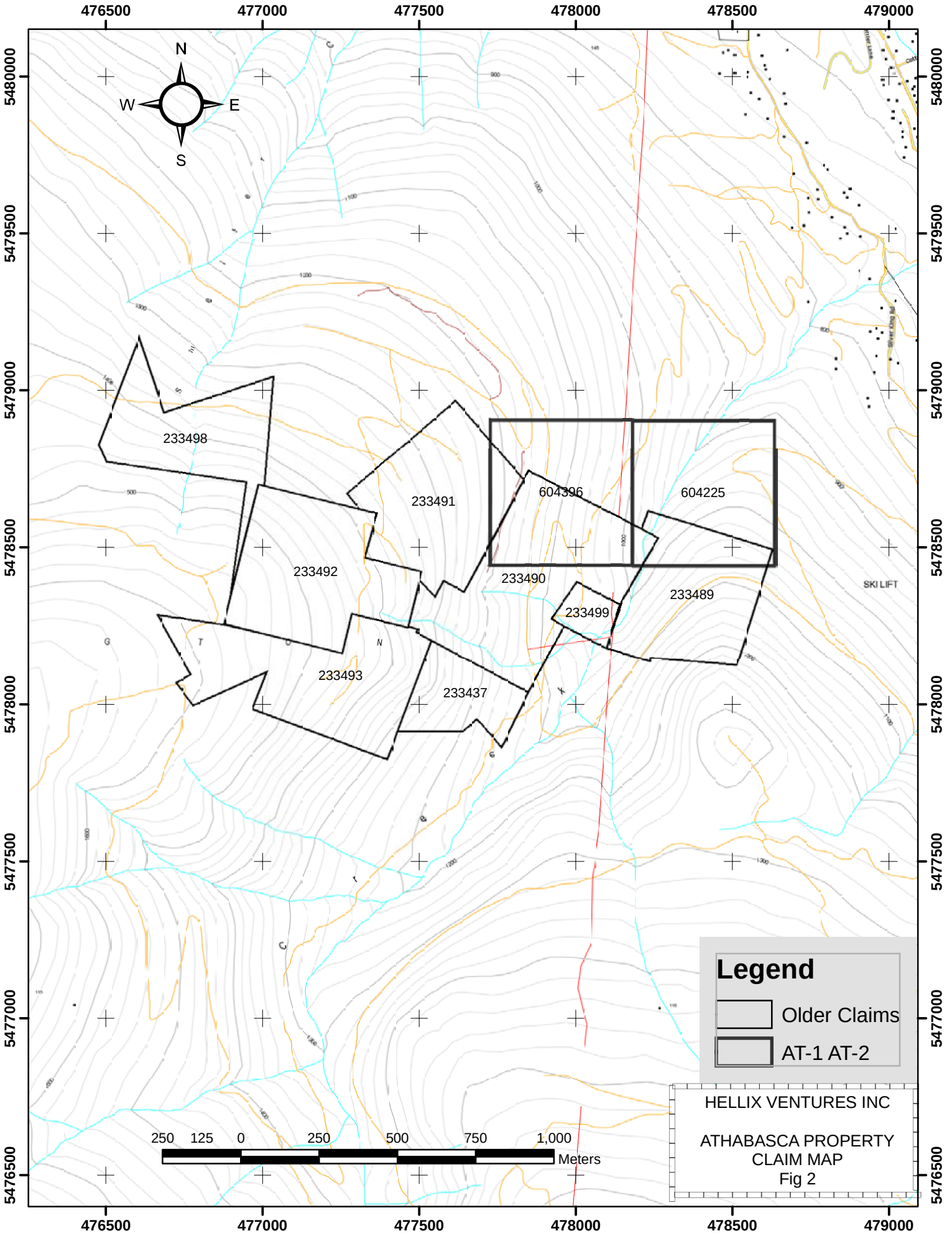
The claims are currently under option to Hellix Ventures Inc through an agreement with Mike Hudock, the tenure holder.

3.0) LOCATION AND ACCESS

The property is located 3 kilometres southwest of the city of Nelson in the West Kootenay district. The claims cover portions of the northwest slopes of Toad Mountain. The property is crossed by several mining access and forestry roads, and can be reached from the Giveout Creek forest service road. The Giveout Creek road connects with the Salmo-Nelson Highway seven kilometres south of Nelson.

The historic mine workings on the property can be reached using existing mine and forestry roads that branch from the Giveout Creek road. The local mine roads require 4 wheel drive in order to assure safe access.

Elevations on the property range from 900 to 1600 metres with some areas of moderate to steep slopes, including outcrop bluffs. The slopes are generally timbered with second growth conifers. Undergrowth is moderately thick with some thicker brush materials within deeply dissected drainages.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Legend
Older Claims
AT-1 AT-2
250 125 0 250 500 750 1,000
Meters
HELLIX VENTURES INC
ATHABASCA PROPERTY
CLAIM MAP
Fig 2

4.0) HISTORY

The original Athabasca vein was discovered in 1896. The vein was developed by underground workings in 1897, and by 1901the mine had produced over 435,449 grams of gold from approximately 10,000 tonnes of ore. Mining continued intermittently until 1904.

From 1904 to 1933 the mine was leased to various contractors. During this time a portion of the mine pillars were removed and several of the existing stopes were expanded to produce ore. In 1933, the Athabasca Mine and several surrounding properties were acquired by Noble Five Mines Ltd. Noble attempted to develop workings at elevations below the original workings, with limited success.

The Athabasca mine remained dormant with little or no exploration being conducted until 1987, when Cassidy Resources Inc optioned the property and conducted magnetic surveys, electromagnetic surveys, soil and rock geochemical sampling. This work is summarized in Assessment Report 17184 (March 15, 1988).

In 2010, Hellix conducted a magnetometer survey over the property and conducted a review of existing data in order to provide recommendations for further work. Recommendations included continued soil sampling to further explore outward to the property boundaries.

5.0) GEOLOGICAL SETTING

The BC Geological Survey website Maplace provides geologic maps for the property and area (Fig 3). The Ministry of Energy and Mines Bulletin 102 (Hoy and Dunne) provides geologic description of the Rossland group and related intrusives in the Nelson area.

The Rossland Group is in the southern Omineca Crystalline Belt, an uplifted zone of variably metamorphosed and deformed Proterozoic to Tertiary rocks that straddles the boundary between accreted terranes and ancestral North America. The belt includes a series of structural culminations, typically cored by Paleoproterozoic crystalline rocks, and flanked in the intervening depressions by rocks similar to those in the Foreland Belt to the east. These rocks are structurally overlain by accreted rocks of the Slide Mountain and Quesnel terranes.

The Omineca Crystalline Belt comprises an imbricated succession of thrust sheets that were transported eastward in Mesozoic time. This tectonism was accompanied by intrusion of granitic bodies and localization of a variety of structurally controlled vein deposits. In early Tertiary time, regional extension resulted in local uplift of core complexes as cover rocks were displaced along low angle normal faults. This extension was associated with widespread mafic volcanism, intrusion of alkalic rocks and, locally, vein and shear-hosted mineralization.

The Rossland Group is traditionally regarded as the most eastern belt of volcanic rocks within Quesnellia, a terrane that comprises dominantly arc volcanics and associated sediments that were accreted to North America in Middle Jurassic time. These rocks tectonically overlie pericratonic rocks of the Kootenay Terrane or miogeoclinal Proterozoic to lower Paleozoic rocks that were

deposited on the western ancestral margin of North America. The tectonic boundary between Quesnellia and pericratonic or cratonic rocks is locally marked by mafic volcanic rocks and associated ultramafics of the Slide Mountain Terrane, interpreted to record deposition in a marginal basin or back-arc setting that separated Quesnellia from North America. Overlap assemblages, rocks deposited after collision of accreted rocks with North America, include (in the Rossland-Nelson area) the Cretaceous Sophie Mountain Formation and Eocene Marron Formation.

Elise Formation

A complete section of the Elise Formation is exposed in the east limb of the Hall Creek syncline along Highway 6 south of Nelson. It has been subdivided into a lower and upper division. The lower Elise lies with apparent conformity on sedimentary rocks of the Ymir Group; a few argillite beds persist through the lower part of the lower Elise. It is a sequence of dominantly mafic flows and flow breccias, minor lahars and tuffs up to one kilometre thick.

A coarse grained augite porphyry flow breccia is the dominant lithology of the lower Elise. Clasts and matrix are essentially augite porphyry with euhedral to subhedral augite or augite pseudomorphs up to one centimetre in diameter in a finer grained matrix of secondary plagioclase, biotite, chlorite, epidote and carbonate. Massive augite porphyry flows, with little evidence of brecciation, are not common.

The upper Elise in the Highway 6 section is a sequence of mafic to intermediate flows, tuffs and minor epiclastic deposits up to 2,500 metres thick. A number of cyclical sequences of pyroclastic rocks that typically grade upward from lapilli tuff to crystal tuff or fine tuff are common. Augite porphyry flows and flow breccias are a minor constituent.

The dominant lithology of the upper Elise in the Highway 6 section is a plagioclase-augite lapilli tuff of andesitic to shoshonitic composition. Clasts are generally darker than their matrix due to the preferential alteration of the fine-grained matrix to calcite, epidote and secondary plagioclase.

Crystal tuffs are commonly a lateral or vertical facies of the lapilli tuffs and are similar in composition. They are characterized by up to 20 percent plagioclase and typically only a few percent augite. The crystal tuffs are generally massive; only rarely is layering noted. However, a penetrative foliation, conspicuous in most outcrops, may mask many primary features.

Fine mafic tuff occurs as dark green, fine-grained layers commonly associated with augite porphyry units. Several percent broken, commonly sausseritized plagioclase phenocrysts, less than one millimetre in diameter, and rare quartz crystals are the only primary textures preserved in the tuff. A penetrative foliation is defined by aligned biotite.

Intrusions

The Rossland group rocks are intruded by Jurassic Nelson batholith granitic rocks and Silver King feldspar porphyritic diorite. In the Athabasca mine area both of these intrusives may contain megacrystic feldspar crystals of 1 to 5cm size. Later Tertiary age intrusions may be present as middle Eocene Coryell syenites and mafic to felsic dykes of Paleocene to Eocene age

The Silver King intrusions have been dated as Aalenian to Toarcian and are interpreted to be collisional granitoids. Many are associated with copper, gold and silver mineralization.

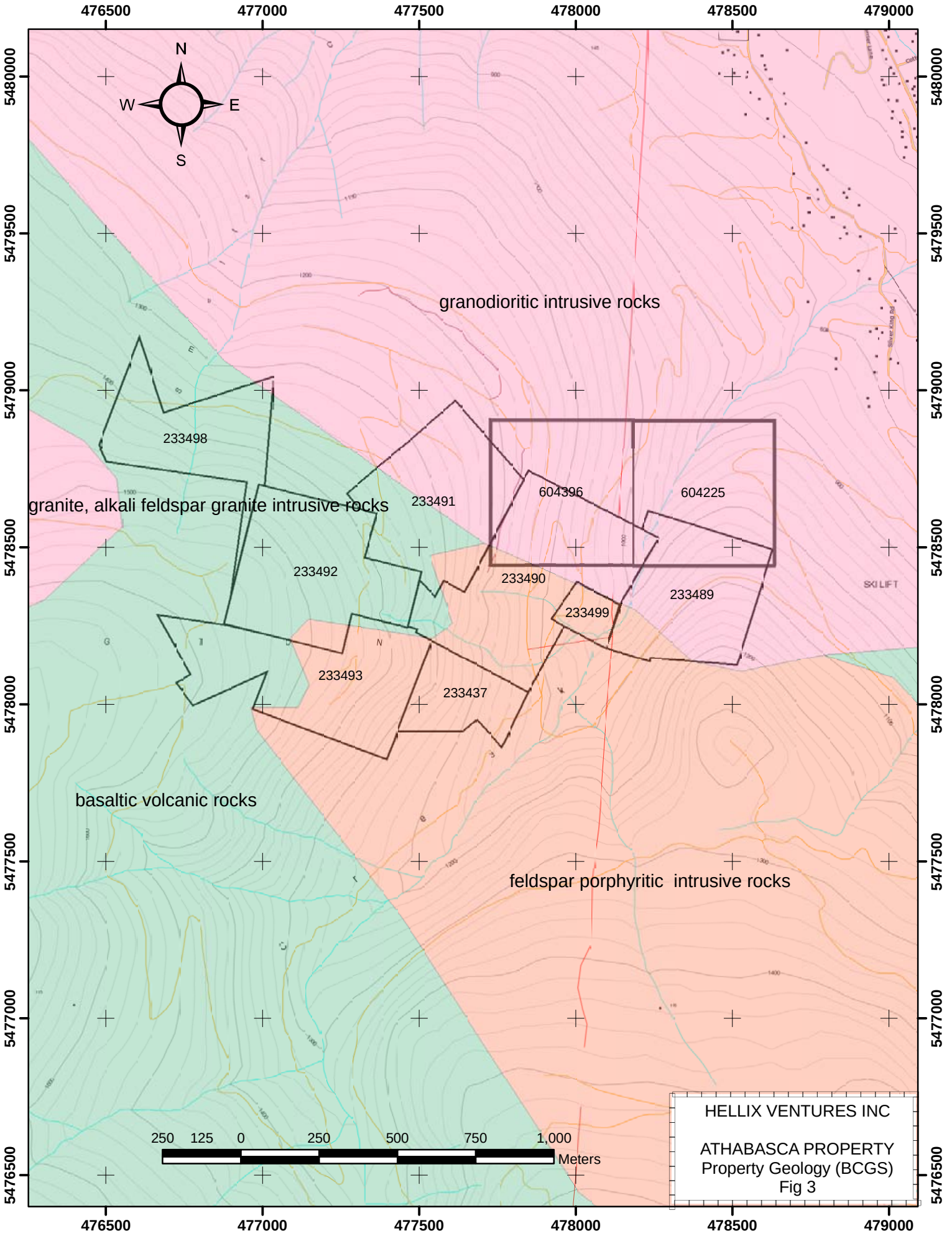
The main Silver King intrusive body can be traced southeast from Giveout Creek in the vicinity of the Athabasca Property, to within one kilometre south of Nelson. Several smaller lenses border this intrusion and others occur on the western slopes of Mount Elise. Outcrops of Silver King intrusions are typically cream-coloured and form resistant ridges. Contacts with Rossland Group rocks are either sharp and discordant or intensely sheared. The Silver King pluton is sheared along its margins. Commonly, smaller lenses form sericite phyllites that resemble, and have been mapped as, foliated felsic volcanic rocks. These contact relationships and the foliated to massive nature suggest that the Silver King intrusions are a pre to synkinematic suite.

Athabasca Vein Minfile 082FSW168

The Athabasca vein strikes at 045 degrees with a 30 to 50 degree northwest dip. The vein is hosted within granodiorite and tends to flatten as it traverses the schistose volcanics to the south.

The vein comprises quartz gangue mineralized with pyrite, galena, sphalerite and in places, free gold. The gold occurs as 80 per cent free gold and 20 per cent is associated with sphalerite. The vein is a few centimetres to about 1.5 metres wide, averaging about 0.3 metres.

The Athabasca mine workings were developed where the vein crosses the granodiorite-volcanic fault contact. Pervasive shearing and faulting have offset and displaced portions of the vein. Scheelite occurs near the lithologic contact.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HELLIX VENTURES INC
ATHABASCA PROPERTY
Property Geology (BCGS)
Fig 3

6.0) EXPLORATION CONDUCTED IN 2011

Helix completed soil sampling and rock sampling on its Athabasca property during July and August, 2011. The scope of this program was to verify and expand upon the results summarized by previous operators of the property in various assessment and other historic reports. Previous work included magnetometer surveying and soil sampling. Some surface and underground rock sampling had also been completed adjacent to and within the old mine workings.

In 2011, Helix obtained a total of 374 soil samples from the property.

A total of 14 rock samples were obtained by Helix from the Athabasca property during prospecting in the area of the mine and along road cuts crossing the property.

6.1 Sample Collection

Rock samples were primarily grab samples intended to investigate the mineral potential of various exposed veins and rock units. Samples were obtained by rock hammer and chisel method. All sample sites were flagged in the field and GPS measured for location. Samples were placed into plastic sample bags labelled with individual sample numbers.

Soil samples were obtained along surveyed lines at predetermined intervals. Samples were collected from the 'B' soil horizon by pick and shovel at average 30 to 40 centimetre depths. Previous work had indicated several zones of elevated gold in soil, especially in close proximity of the historic mine workings. The intention of Helix was to verify the results posted in historic documents, as well as to expand outward into other areas of the claims. Line spacings were mostly 200 metres or greater, with 2 lines set at 50 metre separation. The potential for bulk tonnage-low grade bedrock gold as well as high grade vein systems has been explored in the region of the claims.

6.2 Sample Processing

Samples were submitted to Acme Laboratories located in Vancouver, BC. Acme is currently registered with International Standards Organization (ISO) accreditation. The ISO adopted a series of guidelines (ISO 9000 to 9004) for the global standardization of Quality Assurance for products and services. A company seeking accreditation must implement and maintain a quality assurance system that is compliant with one of the three applicable models (i.e. ISO 9001, 9002 or 9003). Some of the aspects specifically addressed in a quality assurance system include:

- Responsibility of management in defining and achieving quality goals,
- Contract review to ensure customer needs are understood and met,
- Procurement of supplies and services capable of delivering the desired level of quality,
- Handling of material supplied by the customer to ensure integrity,
- Controlling processes to ensure consistency of quality,
- Inspection and testing to ensure that all work meets or exceeds quality criteria,
- Correction and prevention of non-conformities (errors),
- Training of staff, and

- Statistical analysis to ensure quality criteria are met.

Acme utilized standards and duplicate analysis of samples as part of their quality assurance. The certificates of analysis indicate repeat analysis and standards in the QC section of the spreadsheets. The laboratory identifies and remedies situations where the analysis of duplicates or standards is not within allowable levels of variation.

Rock and soil samples were briefly described in the field during collection. Rock samples were placed into uniquely numbered plastic sample bags and sealed with plastic ties. Soil samples were placed into Kraft style paper sample bags labelled with coordinates representing the sample location. From point of collection until delivery to the courier, the samples were under complete control of Helix Ventures representatives.

The assay laboratory catalogues all samples and assures a complete chain of custody of each sample through the analytical process. At Acme Labs soil samples were analyzed by multi-element ICP methodology. In the ICP analysis, a representative sample is dried at 60 degrees Celsius. A 100 gram split of the sample is obtained after screening through -80 sized mesh. This sample is digested in hot Aqua Regia. The resulting solution is analyzed by ICP-MS for 37 elements.

Rock samples were crushed, a split taken and pulverized to obtain a 1 kilogram sample passing a 200 mesh screen. A split of 30 grams was digested in hot Aqua Regia and analyzed by ICP-MS for 37 elements. Samples that returned elevated results for silver or gold were further analyzed by fire assay.

The lab reports that solubility of some elements will be limited depending on mineral species present. Refractory and graphitic samples can limit gold solubility

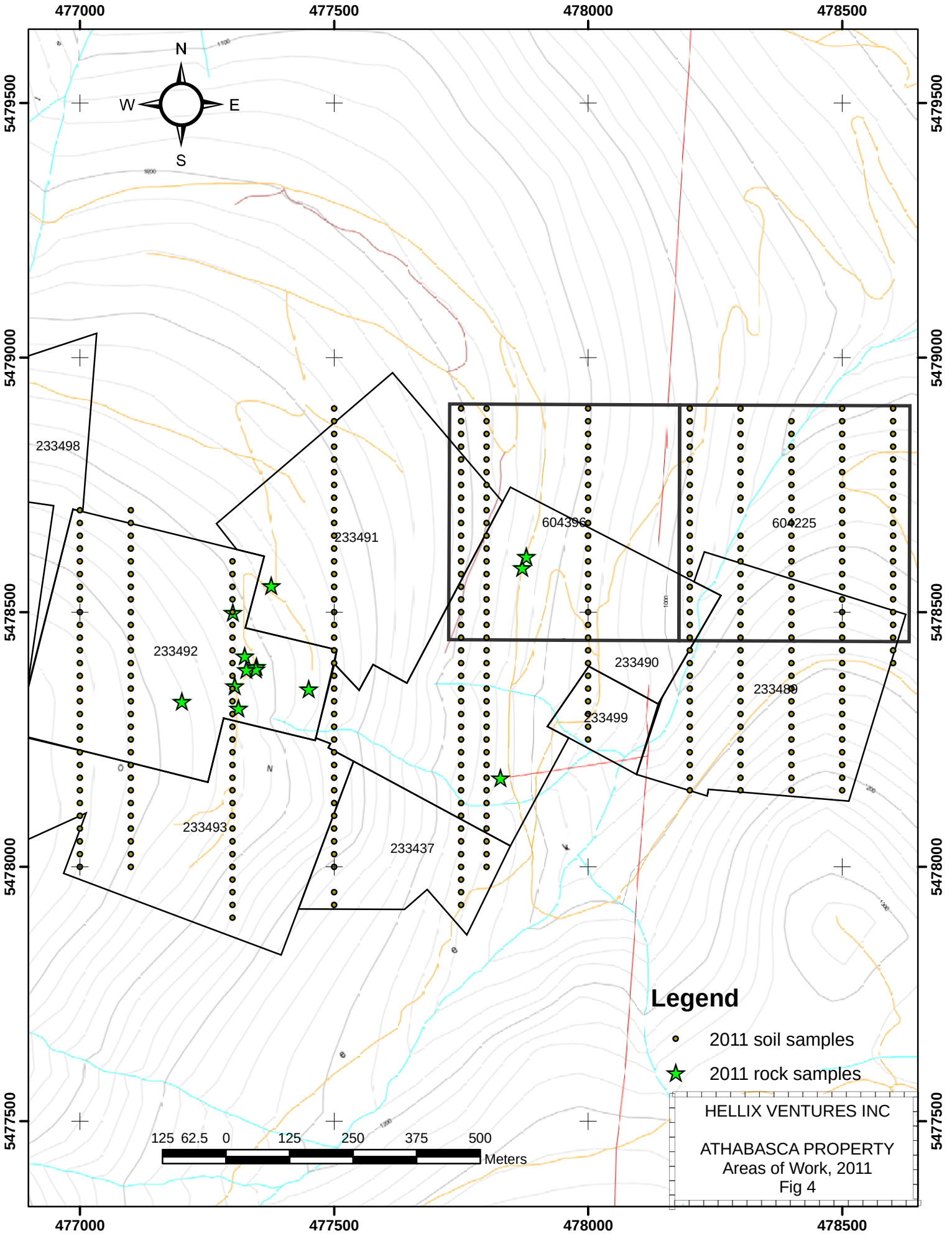
6.3 Sample Results

Soil sample results are presented on Figure 5. The highest gold value obtained from the 2011 soil sampling is 695.1 ppb. This is one of the higher gold values obtained from all sampling reported to date, according to the available records. This sample is within a region of elevated gold values within the southeast portion of the property, with several greater than 100 ppb values. There is little evidence of historic work having been undertaken in this area of the property. This area is highly prospective for further exploration.

Several trends of elevated gold in soil indicate the potential for other gold bearing structures to the south and east of the existing Athabasca vein system.

It is recommended that further soil sampling be conducted on the property in order to continue to define zones with elevated gold in soil. Sampling at 50 metre line spacing is recommended for tracing potential high-grade narrow vein systems, as well as detailing potential larger zones with lower grade gold.

Rock sample results are presented on Figure 6. A summary of rock sample locations and descriptions are provided in Table 2. Rock sample results are presented in Table 3.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Legend
2011 soil samples
2011 rock samples
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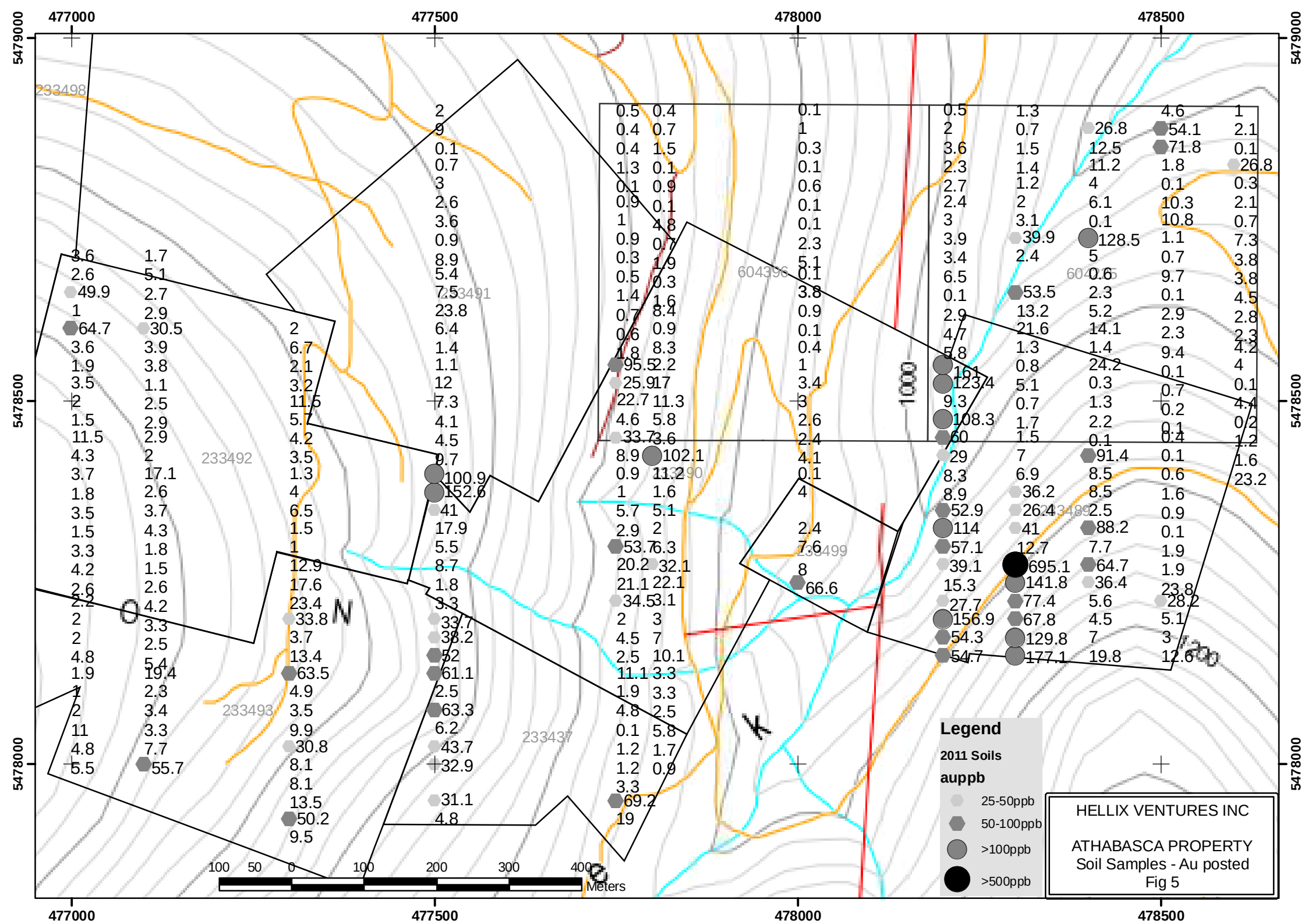
Meters
HELLIX VENTURES INC
ATHABASCA PROPERTY
Areas of Work, 2011
Fig 4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2011 Soils
auppb
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50-100ppb
>100ppb
>500ppb
100 50 0 100 200 300 400
Meters
HELLIX VENTURES INC
ATHABASCA PROPERTY
Soil Samples - Au posted
Fig 5

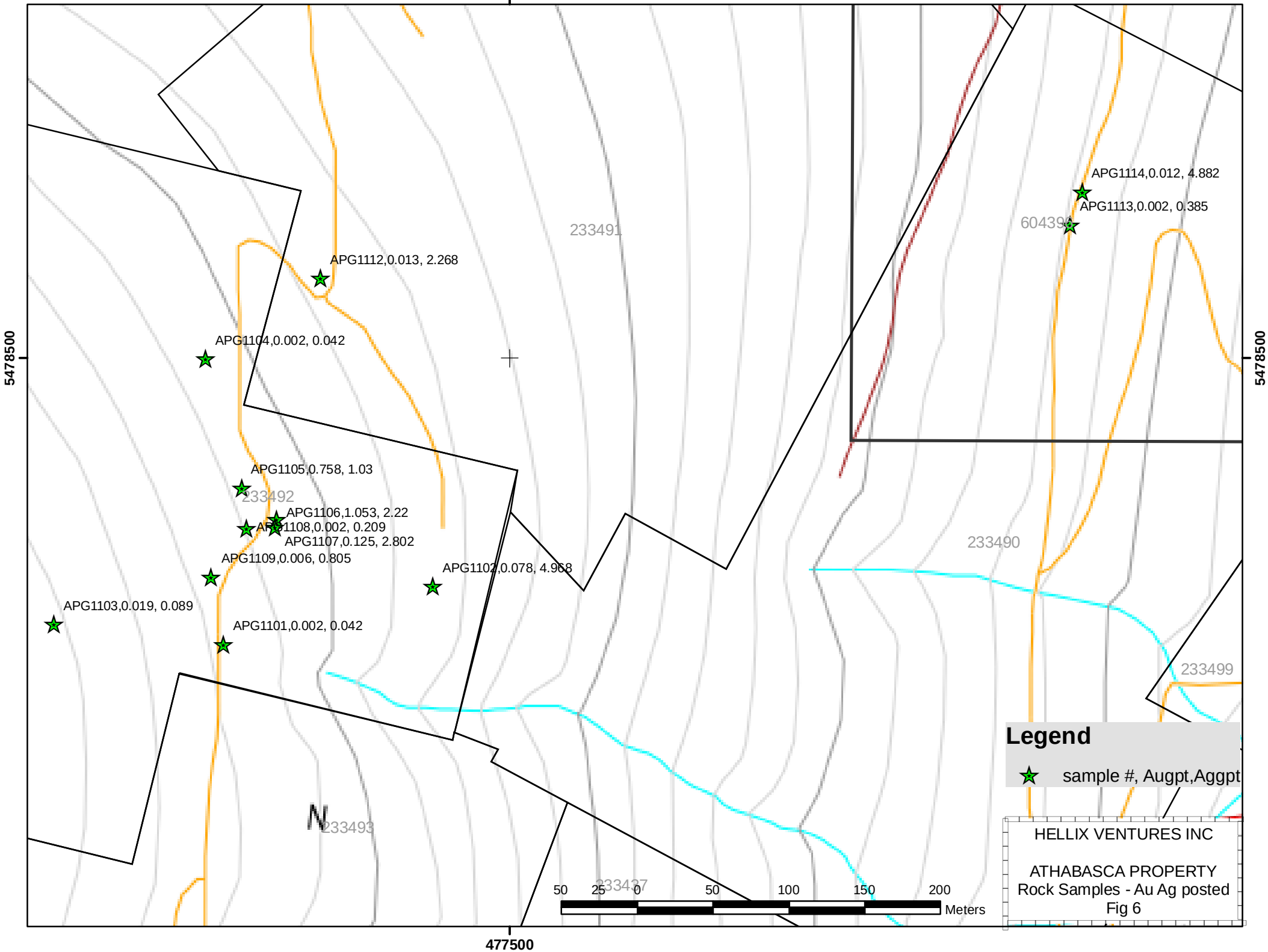
Table 2 – Rock Sampling Summary

Sample ID	East	North	description
APG1101	477312	5478312	Ev alt'd, slt rust, wk py, minor qtz
APG1102	477450	5478350	Qv, 30cm, 015/80E
APG1103	477200	5478325	oc ridge mag low, alt'd Ev, wk brxx
APG1104	477300	5478500	gr with 2cm qv's, cut along road
APG1105	477324	5478415	gr with qtz pod, 60cm, side rd cut
APG1106	477347	5478394	sm shaft, g wall rock smpld across 60cmqv
APG1107	477346	5478389	Ng with 2cm qv's
APG1108	477327	5478388	Ev cleaved with 0.5cm qvlts, cleav 088/65S
APG1109	477304	5478356	Ev random pods, grabs off pile by road
APG1112	477376	5478553	qv in Ng, 10-15cm rusty, ga, py, sp grabs
APG1113	477870	5478588	slide along road, Ng with rusty vnlets
APG1114	477878	5478610	10cm qv in Ev?, 070/40N

Qv- quartz vein Qtz – quartz Ev – Elise Volvanics Ng - Nelson Granite gr – Granite py – pyrite brxx-breccia vn – vein ga – galena sp - sphalerite

Table 3 – Rock Sampling Results

Sample ID	Gold ICP ppb	Gold Fire Assay gm/tonne	Silver ICP ppb
APG 1101	16.3	<0.005	42
APG 1102	154.5	0.078	4968
APG 1103	37.3	0.019	89
APG 1104	3.2	<0.005	42
APG 1105	463.1	0.758	1030
APG 1106	1310.1	1.053	2220
APG 1107	85.1	0.125	2802
APG 1108	<0.2	<0.005	209
APG 1109	7.7	0.006	805
APG 1112	15.1	0.013	2268
APG 1113	2.7	<0.005	385
APG 1114	4.7	0.012	4882


APG1114,0.012, 4.882
APG1113,0.002, 0.385
604398
233491
APG1112,0.013, 2.268
APG1104,0.002, 0.042
APG1105,0.758, 1.03
233492
APG1106,1.053, 2.22
APG1108,0.002, 0.209
APG1107,0.125, 2.802
APG1109,0.006, 0.805
APG1102,0.078, 4.968
APG1103,0.019, 0.089
APG1101,0.002, 0.042
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Legend
sample #, Augpt,Aggpt
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50 25 0 50 100 150 200
Meters
HELLIX VENTURES INC
ATHABASCA PROPERTY
Rock Samples - Au Ag posted
Fig 6

Rock sampling tested pyrite bearing volcanic and granitic rocks, as well as quartz veins cutting these rocks, in several areas. The highest gold value of 1.053 grams per tonne was returned from a quartz vein exposed in a small shaft.

It has been noted from historic sampling that some elements have a correlation with gold in analysis. Several high grade gold values from the underground samples were shown to have associated elevated tungsten. Other properties in the Nelson area have a tungsten-gold association, with tungsten-bearing scheelite minerals present in the veins. This suggests that utilizing an ultraviolet light for scheelite detection may be useful for finding potential gold bearing sites within vein systems.

The presence of galena and sphalerite noted in some of the rocks in the waste dumps around the historic mine workings suggest that elevated lead and zinc values may also correlate to potential gold.

7.0) CONCLUSIONS AND RECOMMENDATIONS

Soil sampling on the Athabasca property has outlined several areas worthy of further work. Areas with greater than 100ppb gold in soil should be prospected for bedrock sources. Infill sampling at lines spacing of 50 metres would assist to outline potential gold bearing structures. Areas to the south and east of the historically mined Athabasca veins are of particular interest.

Rock sampling did not return significant results that would compare favourably to the historic grades reported from the historic mine. In the immediate area of the Athabasca mine, the best exploration potential may be to follow the main vein system down-dip from the lowest elevation that was historically mined, as it is understood that the vein system remained gold bearing at the maximum depth of the mine. Further exploration of the Athabasca mine vein(s) is best conducted by diamond drill testing.

Perry Grunenberg, P.Geo.
November 15, 2011

8.0) REFERENCES

***Addie, G and Leighton, D., 1988*:** 1987 Compilation Report on Geology, Geochemistry and Geophysics Surveys on the Athabasca Property, Beaty Geological Ltd, for Cassidy Resrouces Inc

***Giroux G, Dandy, L., 2004*:** Preliminary Resource Calculations for Gold Mountain and Kena Zones, Kena Property, BC

***Hoy, H and Dunne, K., 1997*:** Early Jurassic Rossland Group, Souther British Columbia, Part I – Stratigraphy and Tectonics, BC Ministry of Energy and Mines Bulletin 102

BC Ministry of Energy and Mines: Maplace, and Minfile websites, Minfile 082FSW168 Athabasca

9.0) QUALIFICATIONS

CERTIFICATE: Perry Grunenberg

I, **Perry Grunenberg**, hereby certify that:

a) I am a consulting Geoscientist with PBG GEOSCIENCE having an office at 2016 High Country Boulevard, Kamloops, British Columbia, V2E 1L1.

b) I am a graduate of the University of British Columbia with the degree of Bachelor of Science in Geology (1982).
I am a member of the Association of Professional Engineers and Geoscientists of British Columbia (Registration No. 19246) and a Fellow of the Geological Association of Canada (Membership No. F5203).
I have practiced my profession in North America since 1982, having worked as an employee and consultant for major mining corporations, junior resource companies and BC government ministries.

c) I was contracted to prepare this report on behalf of Hellix Ventures Inc. I also personally managed the exploration program summarized in this report.

d) I have personally prepared or have reviewed all sections of this report including the illustrations.

e) I have managed exploration programs, similar to the one covered in this report, as a consulting geoscientist on behalf of various mining exploration companies since 1982.

November 16, 2011
Kamloops, B.C.

Perry Grunenberg, P.Geo.
Consulting Geoscientist

10) COST STATEMENT

ATHABASCA PROJECT 2011 PROGRAM COST SUMMARY						
CONTRACTOR	ASSAYS	SUPPLIES	FIELD WORK	GEOLOGY	ENGINEERING	SOIL SAMPLING
Acme Labs - Vancouver	$11,845.93					
Ed Lawrence and assistant					$592.00	
Wildhorse Silviculture Ltd.						$5,519.36
Mike Hudock			$150.00			
Deakin Equipment		$251.25				
Jack Denny				$350.00		
Perry Grunenberg-field				$6,394.33		
PG Drafting				$392.00		
Compilation and Reporting				$392.00		
TOTAL COSTS						
$25,886.87						

APPENDIX
ASSAY CERTIFICATES

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

Client: **Hellix Ventures Inc.**
125A - 1030 Denman Street
Vancouver BC V6G 2M6 Canada

Submitted By: Edis Findla
Receiving Lab: Canada-Vancouver
Received: July 26, 2011
Report Date: August 26, 2011
Page: 1 of 8

CERTIFICATE OF ANALYSIS VAN11003471.1

CLIENT JOB INFORMATION

Project: Athabasca
Shipment ID: Ath 1
P.O. Number
Number of Samples: 208

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	208	Dry at 60C			VAN
SS80	208	Dry at 60C sieve 100g to -80 mesh			VAN
1F03	208	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Hellix Ventures Inc.
125A - 1030 Denman Street
Vancouver BC V6G 2M6
Canada

CC: Perry Grunenberg

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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: **Hellix Ventures Inc.**
125A - 1030 Denman Street
Vancouver BC V6G 2M6 Canada

Project: Athabasca
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003471.1

		Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
L77000E 78000N	Soil		0.39	14.15	16.83	85.7	195	16.2	8.9	595	2.08	2.6	0.5	5.5	1.8	17.6	0.46	0.29	0.23	38	0.13	0.195
L77000E 78025N	Soil		0.62	10.97	13.38	93.5	590	13.0	7.4	879	2.02	3.3	0.5	4.8	2.3	18.1	0.68	0.54	0.29	35	0.13	0.241
L77000E 78050N	Soil		0.51	11.85	11.22	81.9	419	13.0	8.3	1027	1.92	5.9	0.3	11.0	1.3	17.5	0.48	0.50	0.25	33	0.15	0.207
L77000E 78075N	Soil		0.79	12.65	14.08	93.4	583	16.1	8.4	1199	2.04	3.1	0.3	2.0	0.8	14.2	0.42	0.34	0.28	37	0.10	0.141
L77000E 78100N	Soil		0.80	7.57	11.19	64.6	1143	6.1	5.0	739	1.94	3.9	0.4	1.0	1.6	20.3	0.52	0.67	0.27	30	0.18	0.178
L77000E 78125N	Soil		0.84	13.17	9.95	103.8	1847	12.2	6.7	1470	1.89	2.9	0.4	1.9	1.1	9.5	0.75	0.31	0.28	30	0.07	0.110
L77000E 78150N	Soil		0.28	72.01	13.14	62.1	1459	36.9	15.4	728	2.79	2.3	0.4	4.8	1.6	18.5	0.43	0.28	0.25	80	0.20	0.071
L77000E 78175N	Soil		0.68	41.28	9.66	68.5	576	22.3	11.8	548	2.57	3.1	0.9	2.0	2.7	8.8	0.23	0.23	0.24	59	0.06	0.131
L77000E 78200N	Soil		0.63	45.98	9.41	65.6	522	30.9	12.7	554	2.48	3.6	0.6	2.0	2.0	8.3	0.26	0.36	0.23	63	0.07	0.083
L77000E 78225N	Soil		0.46	32.07	19.59	62.1	312	25.3	10.9	559	2.46	6.3	0.4	2.2	2.2	11.5	0.46	0.63	0.31	53	0.11	0.106
L77000E 78250N	Soil		0.47	39.76	21.62	48.6	395	18.7	9.5	352	2.19	4.9	0.4	2.6	1.6	13.0	0.39	0.62	0.32	47	0.11	0.102
L77000E 78275N	Soil		0.49	46.97	10.09	47.8	290	22.9	10.3	210	2.28	2.6	0.8	4.2	2.9	14.7	0.22	0.29	0.30	53	0.14	0.104
L77000E 78300N	Soil		0.58	44.20	12.35	82.9	286	20.6	13.0	517	2.73	4.2	0.6	3.3	2.3	15.6	0.82	0.70	0.31	61	0.12	0.211
L77000E 78325N	Soil		0.59	37.92	11.67	63.3	169	17.8	9.2	805	2.15	3.0	0.8	1.5	2.9	13.7	0.34	0.36	0.28	42	0.13	0.144
L77000E 78350N	Soil		0.97	43.79	16.31	63.3	127	19.2	8.9	362	2.57	4.1	0.7	3.5	3.2	10.3	0.23	0.69	0.36	57	0.08	0.102
L77000E 78375N	Soil		0.65	18.20	14.99	34.3	84	9.4	3.7	158	1.96	4.4	0.2	1.8	1.6	9.1	0.29	0.61	0.48	54	0.05	0.050
L77000E 78400N	Soil		0.55	36.05	13.51	70.1	160	20.9	9.9	310	2.69	3.3	0.6	3.7	3.0	13.3	0.34	0.50	0.42	56	0.11	0.135
L77000E 78425N	Soil		0.44	37.97	21.89	87.2	206	22.6	9.6	772	2.98	9.0	0.3	4.3	1.9	17.7	0.54	0.83	0.48	57	0.15	0.115
L77000E 78450N	Soil		0.59	88.40	29.16	86.7	893	76.6	17.8	899	3.75	6.8	0.7	11.5	2.1	51.0	0.80	1.11	0.47	76	0.31	0.284
L77000E 78475N	Soil		0.67	73.05	26.64	69.4	857	72.0	25.6	1322	3.65	8.4	0.6	1.5	1.3	63.7	1.10	1.37	0.46	78	0.45	0.094
L77000E 78500N	Soil		0.57	18.63	33.30	115.4	660	10.4	7.9	659	2.15	5.6	0.4	2.0	1.4	19.2	1.44	1.11	0.69	43	0.16	0.115
L77000E 78525N	Soil		0.84	21.71	33.40	145.3	293	12.6	7.1	1455	2.88	3.3	0.9	3.5	3.2	14.8	1.39	1.10	0.48	50	0.09	0.229
L77000E 78550N	Soil		0.83	9.89	42.83	129.9	198	6.5	4.5	872	2.52	4.6	0.5	1.9	2.0	21.9	1.07	0.94	0.55	41	0.13	0.094
L77000E 78575N	Soil		1.05	10.32	33.48	103.2	413	7.3	5.0	380	2.80	6.0	0.6	3.6	2.5	9.9	0.68	1.06	0.57	50	0.05	0.072
L77000E 78600N	Soil		1.18	14.99	188.4	602.5	985	12.6	6.8	785	2.38	3.4	2.1	64.7	2.8	17.0	4.24	0.50	0.56	39	0.17	0.078
L77000E 78625N	Soil		1.02	13.12	40.12	223.7	301	13.1	6.9	327	2.65	4.8	1.3	1.0	4.1	11.2	2.03	0.59	0.42	39	0.08	0.112
L77000E 78650N	Soil		2.57	17.13	184.2	379.3	965	10.9	8.3	612	2.49	3.0	7.0	49.9	3.8	12.9	10.10	0.23	0.74	41	0.11	0.053
L77000E 78675N	Soil		4.71	21.71	39.58	1120	370	13.3	9.6	1549	2.69	5.3	13.5	2.6	4.1	45.5	30.86	0.20	0.50	35	0.67	0.149
L77000E 78700N	Soil		2.32	5.59	49.56	490.5	181	4.6	6.3	716	2.91	3.0	2.2	3.6	5.4	33.3	6.76	0.16	0.41	36	0.39	0.046
L77300E 77900N	Soil		0.71	22.13	14.17	68.1	178	14.5	7.6	379	2.38	2.9	0.8	9.5	3.3	18.8	0.28	0.58	0.34	41	0.13	0.060

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	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
L77000E 78000N	Soil	5.7	26.7	0.48	131.0	0.068	<1	1.89	0.007	0.07	0.8	1.5	0.09	<0.02	31	0.2	0.06	5.4
L77000E 78025N	Soil	7.2	19.0	0.29	144.9	0.098	<1	2.42	0.018	0.06	0.8	1.8	0.11	<0.02	61	0.2	<0.02	7.7
L77000E 78050N	Soil	4.7	20.6	0.29	135.3	0.073	<1	2.31	0.008	0.07	0.6	1.4	0.09	<0.02	63	0.1	0.07	6.3
L77000E 78075N	Soil	3.9	26.9	0.32	113.9	0.085	1	2.38	0.005	0.06	0.5	1.4	0.09	0.02	72	0.3	0.05	6.9
L77000E 78100N	Soil	2.7	8.7	0.07	87.3	0.122	1	3.44	0.007	0.03	0.4	0.9	0.05	<0.02	60	<0.1	0.04	9.6
L77000E 78125N	Soil	3.4	16.9	0.18	118.1	0.099	<1	2.84	0.005	0.04	0.4	1.5	0.08	0.03	103	0.2	0.04	7.7
L77000E 78150N	Soil	5.5	59.0	1.18	156.7	0.107	<1	2.23	0.004	0.26	0.3	2.6	0.12	<0.02	36	0.1	0.04	6.0
L77000E 78175N	Soil	6.0	31.9	0.61	92.1	0.148	<1	3.58	0.004	0.06	0.3	3.1	0.10	0.02	51	0.3	0.05	8.9
L77000E 78200N	Soil	4.6	48.9	0.70	86.8	0.136	<1	3.33	0.004	0.05	0.3	2.6	0.08	<0.02	56	0.4	0.05	8.3
L77000E 78225N	Soil	4.4	48.3	0.57	45.1	0.089	<1	2.31	0.004	0.05	0.4	2.1	0.09	<0.02	55	0.3	0.07	6.6
L77000E 78250N	Soil	5.3	32.3	0.46	68.5	0.087	<1	2.45	0.005	0.05	0.4	1.8	0.09	<0.02	75	0.4	0.04	6.6
L77000E 78275N	Soil	9.3	38.1	0.62	45.7	0.091	<1	2.77	0.005	0.07	0.5	3.0	0.09	<0.02	50	0.3	0.02	6.2
L77000E 78300N	Soil	4.7	31.9	0.51	88.9	0.118	1	3.42	0.004	0.07	0.5	2.3	0.10	<0.02	37	0.4	0.05	8.5
L77000E 78325N	Soil	7.6	24.6	0.36	101.2	0.130	<1	3.25	0.007	0.05	0.4	2.9	0.11	<0.02	35	0.3	0.03	8.4
L77000E 78350N	Soil	5.9	33.0	0.57	61.9	0.120	1	2.78	0.003	0.07	0.6	2.5	0.13	<0.02	58	0.2	0.06	7.7
L77000E 78375N	Soil	4.4	21.4	0.21	53.2	0.099	<1	1.04	0.007	0.03	0.3	1.2	0.07	<0.02	30	0.1	0.05	8.0
L77000E 78400N	Soil	8.3	34.8	0.65	70.1	0.094	1	2.61	0.004	0.08	0.5	2.8	0.09	<0.02	39	0.3	0.07	6.9
L77000E 78425N	Soil	7.4	36.2	0.60	83.5	0.123	2	1.94	0.006	0.07	0.3	2.2	0.09	<0.02	47	0.3	0.09	9.6
L77000E 78450N	Soil	5.3	107.4	1.47	93.1	0.125	3	3.35	0.004	0.08	0.7	3.4	0.11	0.06	83	0.4	0.09	11.7
L77000E 78475N	Soil	10.0	135.8	1.31	121.6	0.141	<1	2.62	0.011	0.05	0.6	3.3	0.07	0.03	88	0.4	0.07	12.6
L77000E 78500N	Soil	4.3	23.7	0.28	115.2	0.095	<1	1.61	0.010	0.05	0.4	1.5	0.12	<0.02	72	0.3	0.07	8.9
L77000E 78525N	Soil	7.2	19.4	0.29	200.0	0.145	<1	2.99	0.018	0.07	0.4	2.2	0.21	<0.02	27	0.2	0.02	13.7
L77000E 78550N	Soil	6.3	11.0	0.17	73.5	0.094	<1	1.76	0.007	0.04	0.2	1.3	0.12	<0.02	57	0.1	0.06	13.7
L77000E 78575N	Soil	6.1	12.7	0.15	91.6	0.124	<1	2.25	0.009	0.04	0.4	1.4	0.11	<0.02	50	0.4	0.05	13.6
L77000E 78600N	Soil	11.5	20.1	0.40	94.7	0.108	<1	2.83	0.009	0.06	0.5	2.3	0.12	<0.02	87	0.5	0.02	9.1
L77000E 78625N	Soil	7.0	17.8	0.30	124.2	0.130	<1	4.37	0.007	0.05	0.5	2.2	0.11	0.04	113	0.4	0.06	11.0
L77000E 78650N	Soil	28.2	17.9	0.29	106.1	0.116	<1	3.44	0.009	0.05	0.7	3.1	0.10	<0.02	92	0.5	0.06	11.1
L77000E 78675N	Soil	29.5	21.2	0.28	129.5	0.146	<1	3.97	0.016	0.06	0.7	3.5	0.15	<0.02	59	0.7	0.03	11.6
L77000E 78700N	Soil	23.3	8.2	0.50	132.3	0.002	<1	2.47	0.004	0.07	0.3	1.8	0.20	<0.02	39	0.2	0.04	9.3
L77300E 77900N	Soil	7.9	19.8	0.43	78.5	0.114	1	2.72	0.007	0.08	1.5	2.1	0.16	<0.02	69	0.2	0.03	9.1

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		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
L77300E 77925N	Soil		0.52	41.11	103.6	184.6	488	14.6	10.4	4029	2.41	17.2	0.7	50.2	1.8	85.4	3.21	2.45	0.53	29	1.02	0.241
L77300E 77950N	Soil		0.54	65.02	36.87	117.5	454	20.8	12.2	2957	3.15	5.1	0.9	13.5	2.0	41.3	1.02	1.17	0.49	47	0.33	0.098
L77300E 77975N	Soil		0.40	41.09	22.98	109.5	235	21.7	9.8	1420	2.46	5.5	0.9	8.1	2.6	38.0	1.01	0.70	0.38	39	0.43	0.134
L77300E 78000N	Soil		0.47	51.41	55.04	143.8	539	34.8	12.6	2770	3.55	9.0	3.1	8.1	3.2	62.8	2.15	1.22	0.63	54	0.67	0.117
L77300E 78025N	Soil		0.55	14.11	16.43	62.3	181	11.6	6.5	393	1.99	1.8	0.6	30.8	2.5	16.4	0.25	0.44	0.35	34	0.12	0.053
L77300E 78050N	Soil		0.42	8.45	15.61	75.7	163	9.8	5.2	474	1.83	2.8	0.5	9.9	2.4	14.8	0.39	0.45	0.40	30	0.13	0.054
L77300E 78075N	Soil		0.44	13.44	26.41	73.5	175	17.1	6.7	571	1.95	3.9	0.7	3.5	2.6	18.3	0.69	0.66	0.38	35	0.17	0.104
L77300E 78100N	Soil		0.51	10.70	27.54	88.6	157	8.7	4.6	895	1.72	4.5	0.6	4.9	2.4	15.0	0.84	0.60	0.37	27	0.15	0.148
L77300E 78125N	Soil		0.48	14.42	31.31	82.2	182	9.5	4.7	547	1.59	3.9	0.5	63.5	2.1	16.1	0.73	0.61	0.34	29	0.17	0.116
L77300E 78150N	Soil		0.49	11.31	31.26	75.6	145	7.2	3.8	397	1.28	3.4	0.5	13.4	2.1	16.3	0.75	0.59	0.33	24	0.19	0.109
L77300E 78175N	Soil		0.59	18.22	16.43	63.4	276	11.1	6.8	1036	2.01	2.8	0.8	3.7	2.7	15.4	0.51	0.21	0.29	34	0.12	0.147
L77300E 78200N	Soil		0.56	18.95	30.96	73.7	249	10.9	6.0	776	1.87	3.9	0.9	33.8	2.7	17.9	0.71	0.64	0.35	34	0.17	0.108
L77300E 78225N	Soil		0.85	24.60	13.72	53.1	222	11.8	5.7	216	2.44	5.9	1.7	23.4	5.3	12.7	0.21	0.40	0.32	34	0.07	0.239
L77300E 78250N	Soil		0.71	19.15	27.33	69.7	215	10.1	5.9	476	2.03	4.8	1.0	17.6	3.4	16.0	0.62	0.67	0.42	35	0.12	0.155
L77300E 78275N	Soil		0.65	35.90	17.57	126.3	308	23.6	10.0	396	3.23	3.8	1.0	12.9	4.4	20.4	0.40	0.30	0.51	57	0.12	0.138
L77300E 78300N	Soil		0.63	33.55	19.29	84.5	877	13.5	7.7	355	2.40	4.8	0.7	1.0	2.3	12.4	0.49	0.63	0.35	41	0.09	0.115
L77300E 78325N	Soil		0.47	37.16	24.82	93.8	725	21.4	11.9	702	2.55	8.2	0.3	1.5	1.2	28.5	0.91	1.32	0.34	65	0.35	0.068
L77300E 78350N	Soil		0.39	29.97	23.43	112.6	480	26.6	10.1	397	2.58	4.2	0.7	6.5	3.0	18.8	1.03	0.64	0.34	45	0.21	0.156
L77300E 78375N	Soil		0.59	144.8	32.95	131.5	2181	28.8	13.0	574	3.21	2.5	1.7	4.0	3.4	21.7	2.27	0.28	0.44	60	0.24	0.098
L77300E 78400N	Soil		0.89	42.55	43.39	229.1	456	18.5	15.0	936	2.77	8.6	0.9	1.3	2.8	19.2	2.78	1.09	0.55	48	0.18	0.155
L77300E 78425N	Soil		0.98	11.57	45.17	208.1	642	8.6	5.6	515	2.45	7.6	0.7	3.5	2.4	11.0	2.01	1.33	0.77	36	0.06	0.158
L77300E 78450N	Soil		1.31	9.37	167.1	276.8	442	8.1	5.0	462	2.44	8.2	0.7	4.2	2.6	9.3	2.18	1.71	1.49	38	0.11	0.107
L77300E 78475N	Soil		0.80	14.21	36.92	172.1	211	11.1	5.5	1206	2.51	8.5	1.0	5.7	3.5	11.7	2.18	1.16	0.45	39	0.11	0.228
L77300E 78500N	Soil		0.44	12.05	36.97	155.1	184	7.5	5.0	813	1.65	9.7	0.4	11.5	1.8	13.0	2.08	1.48	0.42	26	0.12	0.263
L77300E 78525N	Soil		0.56	11.47	15.35	132.8	183	17.1	6.8	840	2.32	4.3	0.5	3.2	2.8	13.3	0.96	0.49	0.35	37	0.11	0.224
L77300E 78550N	Soil		0.59	10.46	52.21	253.0	380	8.9	5.2	496	2.09	6.0	0.9	2.1	2.9	10.8	2.26	1.36	0.35	33	0.10	0.207
L77300E 78575N	Soil		0.65	15.24	27.04	124.8	210	13.5	7.6	728	2.55	3.0	0.8	6.7	2.3	26.5	3.59	0.43	0.42	44	0.33	0.053
L77300E 78600N	Soil		0.78	7.46	22.72	175.9	228	9.3	6.2	1167	2.25	7.6	0.7	2.0	2.4	10.1	1.27	1.05	0.33	31	0.10	0.257
L77100E 78000N	Soil		0.47	12.44	14.12	102.6	304	15.1	7.9	710	2.18	2.3	0.5	55.7	2.2	22.5	0.60	0.28	0.26	37	0.22	0.164
L77100E 78025N	Soil		0.42	6.92	16.09	108.5	239	11.8	7.2	1099	1.90	4.3	0.3	7.7	1.6	29.4	0.70	0.55	0.28	32	0.24	0.204

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Project: Athabasca
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003471.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
L77300E 77925N	Soil	8.1	20.7	0.42	562.3	0.081	3	2.86	0.014	0.17	1.4	2.1	0.27	0.03	199	0.4	0.06	8.8
L77300E 77950N	Soil	11.8	30.9	0.64	275.2	0.111	<1	3.58	0.009	0.21	1.0	2.6	0.25	0.02	85	0.2	0.06	11.6
L77300E 77975N	Soil	11.7	29.8	0.53	174.3	0.111	3	2.75	0.010	0.14	1.0	2.3	0.18	<0.02	59	0.2	0.04	7.8
L77300E 78000N	Soil	38.4	62.4	0.75	371.7	0.126	<1	4.72	0.010	0.26	0.6	5.0	0.36	0.02	83	0.2	0.06	11.4
L77300E 78025N	Soil	8.0	15.5	0.35	76.8	0.093	<1	2.26	0.007	0.07	0.8	1.7	0.13	<0.02	41	0.3	0.03	7.4
L77300E 78050N	Soil	7.4	12.6	0.33	101.6	0.079	<1	1.88	0.006	0.07	0.9	1.4	0.12	<0.02	46	0.2	0.05	7.1
L77300E 78075N	Soil	9.1	20.5	0.55	141.1	0.100	1	2.20	0.008	0.09	0.7	2.0	0.14	<0.02	67	0.1	<0.02	7.0
L77300E 78100N	Soil	6.2	11.3	0.22	147.8	0.087	<1	2.67	0.006	0.05	0.6	1.5	0.13	<0.02	85	0.2	0.03	8.1
L77300E 78125N	Soil	6.7	13.4	0.31	107.6	0.078	2	2.09	0.009	0.06	1.0	1.6	0.12	<0.02	60	0.3	0.05	6.6
L77300E 78150N	Soil	7.1	11.7	0.28	91.5	0.071	<1	1.77	0.008	0.07	0.9	1.4	0.13	<0.02	78	0.3	<0.02	6.3
L77300E 78175N	Soil	7.4	14.6	0.25	198.4	0.110	<1	3.25	0.012	0.05	0.4	2.3	0.14	<0.02	63	0.3	0.02	9.3
L77300E 78200N	Soil	8.5	14.1	0.32	110.6	0.097	<1	2.81	0.008	0.07	0.8	2.1	0.15	<0.02	83	0.3	0.02	8.0
L77300E 78225N	Soil	9.3	14.6	0.29	75.8	0.145	<1	4.88	0.005	0.05	0.9	3.3	0.12	0.02	103	0.6	<0.02	11.8
L77300E 78250N	Soil	8.8	15.8	0.35	80.3	0.092	<1	2.98	0.006	0.06	1.2	2.0	0.12	<0.02	93	0.4	0.06	7.9
L77300E 78275N	Soil	11.5	33.0	0.78	111.8	0.122	<1	3.23	0.003	0.14	0.7	3.2	0.17	<0.02	61	0.2	0.08	10.5
L77300E 78300N	Soil	5.2	16.5	0.36	106.2	0.121	<1	3.37	0.007	0.05	0.7	1.9	0.10	<0.02	84	0.2	<0.02	9.9
L77300E 78325N	Soil	5.1	49.1	0.64	119.2	0.108	<1	1.67	0.010	0.06	0.6	3.2	0.08	<0.02	57	<0.1	0.04	8.2
L77300E 78350N	Soil	8.3	44.8	0.70	125.4	0.120	<1	2.91	0.008	0.09	1.0	2.7	0.14	<0.02	67	0.1	0.05	8.6
L77300E 78375N	Soil	20.9	41.1	0.71	120.7	0.171	<1	3.32	0.012	0.13	1.2	3.3	0.19	<0.02	49	0.3	0.03	10.3
L77300E 78400N	Soil	9.9	23.5	0.50	117.2	0.174	1	2.69	0.013	0.08	1.4	2.0	0.17	<0.02	77	0.2	0.04	10.8
L77300E 78425N	Soil	5.8	12.2	0.22	92.1	0.117	<1	3.07	0.007	0.04	1.0	1.8	0.09	<0.02	127	0.5	0.06	11.7
L77300E 78450N	Soil	5.8	11.5	0.21	109.6	0.113	<1	2.32	0.007	0.05	4.6	1.6	0.12	<0.02	87	0.2	0.08	11.3
L77300E 78475N	Soil	7.5	16.0	0.26	117.8	0.138	<1	3.71	0.015	0.07	0.8	2.3	0.15	<0.02	68	0.3	0.07	12.6
L77300E 78500N	Soil	3.4	8.3	0.10	175.9	0.113	3	2.61	0.012	0.04	0.5	1.3	0.11	<0.02	76	0.4	0.07	8.3
L77300E 78525N	Soil	5.2	25.8	0.38	116.7	0.134	3	3.36	0.008	0.06	0.7	1.8	0.10	0.04	43	0.6	0.04	9.7
L77300E 78550N	Soil	4.0	10.3	0.17	127.3	0.141	2	3.96	0.010	0.05	0.8	1.8	0.11	<0.02	105	0.4	0.04	10.1
L77300E 78575N	Soil	19.3	23.8	0.65	119.7	0.083	1	2.08	0.010	0.11	1.6	1.8	0.13	<0.02	44	0.3	0.04	7.1
L77300E 78600N	Soil	3.8	11.2	0.18	123.3	0.129	2	3.80	0.007	0.04	0.7	1.3	0.10	0.02	98	0.5	0.03	10.3
L77100E 78000N	Soil	6.9	22.9	0.49	145.9	0.077	1	2.40	0.013	0.13	0.5	1.7	0.13	<0.02	52	0.4	<0.02	6.4
L77100E 78025N	Soil	5.7	18.2	0.30	200.1	0.065	<1	1.77	0.013	0.08	0.7	1.4	0.10	<0.02	55	0.3	0.06	6.2

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		Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
L77100E 78050N	Soil		0.43	14.54	13.12	94.5	445	16.4	7.5	428	2.06	5.0	0.5	3.3	1.4	16.4	0.58	0.49	0.28	37	0.14	0.204
L77100E 78075N	Soil		0.47	11.22	15.07	89.4	550	13.0	8.8	937	2.08	5.7	0.3	3.4	1.0	18.8	0.65	0.73	0.34	37	0.15	0.232
L77100E 78100N	Soil		0.41	18.47	25.64	79.1	453	13.5	7.8	985	1.98	2.4	0.4	2.3	1.4	22.7	0.64	0.63	0.35	38	0.19	0.144
L77100E 78125N	Soil		0.47	19.01	18.28	76.0	419	13.9	7.8	743	2.33	5.4	0.4	19.4	1.9	13.6	0.42	0.59	0.39	44	0.11	0.155
L77100E 78150N	Soil		0.49	25.41	20.62	71.9	150	15.6	8.1	491	2.31	3.6	0.5	5.4	2.4	13.7	0.39	0.60	0.53	47	0.14	0.088
L77100E 78175N	Soil		0.44	19.42	34.95	62.5	467	13.2	7.1	703	1.96	4.2	0.4	2.5	1.4	16.7	0.73	1.04	0.35	42	0.16	0.100
L77100E 78200N	Soil		0.49	15.37	19.03	73.2	124	14.9	7.5	460	2.33	4.7	0.4	3.3	2.2	12.6	0.36	0.82	0.40	46	0.10	0.078
L77100E 78225N	Soil		0.73	15.43	18.25	70.3	308	12.7	5.4	346	2.59	4.7	0.5	4.2	1.9	11.6	0.35	1.05	0.41	50	0.09	0.144
L77100E 78250N	Soil		0.65	28.33	38.98	88.2	623	21.3	9.7	1152	2.60	6.2	0.5	2.6	1.9	14.4	0.69	1.16	0.43	59	0.15	0.118
L77100E 78275N	Soil		0.67	23.02	14.81	70.2	842	14.7	8.1	548	2.50	5.8	0.4	1.5	2.0	9.5	0.45	0.97	0.36	53	0.07	0.202
L77100E 78300N	Soil		0.40	31.27	13.69	81.6	660	17.9	7.6	1618	2.03	4.2	0.3	1.8	0.8	15.7	0.84	0.68	0.25	50	0.20	0.091
L77100E 78325N	Soil		0.34	54.06	21.22	113.8	1277	27.2	11.2	755	2.71	2.8	0.9	4.3	2.5	29.1	0.97	0.29	0.39	59	0.38	0.127
L77100E 78350N	Soil		0.47	31.68	20.40	129.3	238	23.2	9.4	581	3.69	5.8	0.5	3.7	2.4	28.1	0.95	0.91	0.48	82	0.38	0.163
L77100E 78375N	Soil		0.65	53.18	20.55	115.3	592	27.5	12.4	869	3.45	5.2	0.8	2.6	2.4	19.2	0.79	1.16	0.48	80	0.21	0.130
L77100E 78400N	Soil		0.51	22.70	17.49	72.8	337	19.6	9.6	622	2.59	4.5	0.4	17.1	2.1	22.3	0.59	1.01	0.42	53	0.27	0.088
L77100E 78425N	Soil		0.49	64.07	17.17	69.8	381	21.6	9.5	733	2.68	6.5	1.0	2.0	2.5	26.8	0.59	1.13	0.42	52	0.36	0.406
L77100E 78450N	Soil		0.40	32.62	29.34	142.0	229	27.3	11.1	5559	2.45	6.8	0.5	2.9	0.5	22.0	1.67	0.80	0.51	54	0.18	0.095
L77100E 78475N	Soil		0.58	21.68	31.14	127.5	260	13.9	8.4	498	3.10	2.4	1.3	2.9	2.9	18.9	0.46	0.28	0.87	55	0.14	0.227
L77100E 78500N	Soil		1.15	17.49	44.93	95.8	533	11.7	10.3	769	2.63	7.1	1.0	2.5	2.6	23.6	1.07	0.63	0.67	47	0.31	0.145
L77100E 78525N	Soil		0.70	8.08	39.71	102.4	205	6.0	5.4	444	2.05	12.3	0.4	1.1	1.5	16.1	1.46	1.12	0.59	37	0.15	0.117
L77100E 78550N	Soil		1.15	16.72	29.34	116.2	543	11.1	6.7	360	2.14	4.9	1.2	3.8	3.6	12.2	1.09	0.77	0.35	34	0.11	0.125
L77100E 78575N	Soil		0.82	9.11	97.80	140.5	237	8.2	4.8	756	2.52	15.2	0.6	3.9	1.9	17.0	1.41	2.31	0.68	41	0.16	0.180
L77100E 78600N	Soil		0.83	6.01	146.2	139.0	231	7.1	3.5	917	2.24	8.7	0.4	30.5	1.6	16.9	1.67	2.20	0.70	43	0.18	0.049
L77100E 78625N	Soil		0.81	5.04	133.6	103.0	117	5.2	2.2	176	1.94	9.9	0.3	2.9	1.1	13.0	1.37	2.08	0.69	41	0.15	0.036
L77100E 78650N	Soil		0.63	7.78	69.21	169.1	139	6.4	7.0	1108	2.24	6.0	0.6	2.7	1.6	17.4	1.88	1.01	0.55	39	0.09	0.075
L77100E 78675N	Soil		0.65	9.78	29.12	142.1	305	9.2	5.5	650	2.60	6.1	0.5	5.1	2.8	15.4	0.94	0.80	0.52	43	0.10	0.130
L77100E 78700N	Soil		0.48	5.75	52.50	50.9	77	3.7	1.6	67	1.62	7.1	0.3	1.7	1.5	6.8	0.68	1.38	0.52	31	0.04	0.112
L77500E 77925N	Soil		0.30	14.99	22.04	100.4	138	14.2	7.7	725	2.33	6.7	0.8	4.8	2.3	24.9	0.54	0.97	0.41	38	0.21	0.094
L77500E 77950N	Soil		0.41	89.06	35.95	58.2	908	14.4	6.7	166	2.55	10.4	3.0	31.1	2.7	30.9	0.60	1.03	0.52	39	0.22	0.039
L77500E 78000N	Soil		0.39	56.19	34.82	116.8	571	8.8	7.4	1893	1.79	4.7	0.7	32.9	0.8	47.4	1.89	1.15	0.39	20	0.58	0.109

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
L77100E 78050N	Soil	5.1	23.8	0.44	99.0	0.080	<1	2.37	0.012	0.07	0.6	1.7	0.08	<0.02	43	0.3	0.02	6.8
L77100E 78075N	Soil	4.8	22.4	0.33	129.0	0.063	<1	2.01	0.010	0.06	0.4	1.4	0.06	<0.02	48	0.2	0.04	6.5
L77100E 78100N	Soil	5.6	23.5	0.42	117.3	0.075	1	1.88	0.008	0.06	0.4	1.5	0.10	<0.02	63	0.4	0.05	6.2
L77100E 78125N	Soil	5.7	24.3	0.45	77.5	0.078	1	2.14	0.007	0.06	0.4	1.5	0.11	<0.02	54	0.4	0.06	7.3
L77100E 78150N	Soil	6.4	25.9	0.51	64.0	0.092	<1	2.11	0.007	0.06	0.6	1.7	0.10	<0.02	57	0.4	0.04	7.1
L77100E 78175N	Soil	5.0	23.8	0.37	69.6	0.074	2	1.80	0.008	0.06	0.4	1.6	0.10	0.03	68	0.6	0.06	5.9
L77100E 78200N	Soil	5.7	24.1	0.43	53.4	0.083	<1	2.05	0.007	0.06	0.6	1.5	0.11	<0.02	67	0.4	0.04	6.5
L77100E 78225N	Soil	5.0	23.4	0.39	58.9	0.099	<1	2.22	0.007	0.05	0.6	1.5	0.08	0.03	85	0.4	0.05	9.2
L77100E 78250N	Soil	4.9	37.8	0.57	92.6	0.121	1	2.66	0.009	0.07	0.5	2.0	0.16	<0.02	87	0.4	0.04	8.7
L77100E 78275N	Soil	3.9	27.4	0.34	65.9	0.118	1	2.75	0.009	0.04	0.4	1.8	0.09	<0.02	79	0.5	0.03	9.4
L77100E 78300N	Soil	3.5	29.6	0.42	103.7	0.082	<1	1.89	0.015	0.05	0.2	1.6	0.07	<0.02	46	0.3	0.04	6.3
L77100E 78325N	Soil	10.8	44.7	0.70	89.4	0.102	1	2.77	0.013	0.08	0.4	3.2	0.11	<0.02	67	0.5	0.04	7.9
L77100E 78350N	Soil	6.4	38.2	0.66	125.3	0.152	2	2.73	0.010	0.07	0.5	2.3	0.08	<0.02	31	0.3	0.04	12.6
L77100E 78375N	Soil	7.5	47.1	0.76	107.1	0.145	2	3.24	0.010	0.09	0.5	3.2	0.10	<0.02	50	0.5	0.05	11.1
L77100E 78400N	Soil	6.2	29.5	0.53	103.0	0.114	1	2.33	0.013	0.06	0.5	1.9	0.07	<0.02	54	0.3	0.03	8.5
L77100E 78425N	Soil	6.7	34.3	0.50	109.7	0.120	1	4.15	0.010	0.05	0.4	3.0	0.08	<0.02	72	0.4	0.04	10.4
L77100E 78450N	Soil	4.5	50.0	0.73	161.6	0.077	1	1.59	0.017	0.06	0.2	1.4	0.22	0.02	34	0.3	0.05	7.7
L77100E 78475N	Soil	9.2	25.8	0.45	73.6	0.131	2	2.32	0.015	0.08	0.6	2.2	0.11	<0.02	31	0.2	0.03	11.2
L77100E 78500N	Soil	10.6	19.7	0.35	90.6	0.124	<1	2.98	0.014	0.05	0.9	2.0	0.11	<0.02	63	0.4	0.06	11.5
L77100E 78525N	Soil	5.1	11.0	0.15	89.7	0.107	<1	1.34	0.013	0.05	0.3	1.1	0.07	<0.02	51	0.4	0.04	9.5
L77100E 78550N	Soil	8.5	16.1	0.27	88.9	0.140	1	4.30	0.010	0.05	0.5	2.6	0.10	<0.02	127	0.6	<0.02	10.1
L77100E 78575N	Soil	5.0	12.6	0.24	73.0	0.130	1	2.09	0.010	0.09	0.4	1.4	0.15	<0.02	109	0.4	0.06	11.4
L77100E 78600N	Soil	6.2	13.2	0.24	109.7	0.079	2	1.37	0.010	0.06	1.8	1.3	0.16	<0.02	68	0.3	0.08	10.0
L77100E 78625N	Soil	5.5	10.6	0.16	82.9	0.094	<1	0.93	0.010	0.04	0.3	0.9	0.08	0.02	36	0.3	0.06	10.7
L77100E 78650N	Soil	6.5	11.0	0.20	150.1	0.061	<1	1.67	0.010	0.06	1.1	1.2	0.14	<0.02	38	0.4	0.06	10.6
L77100E 78675N	Soil	5.8	16.4	0.25	92.2	0.090	<1	2.47	0.008	0.05	0.5	1.5	0.11	<0.02	63	0.4	0.03	10.1
L77100E 78700N	Soil	3.6	7.1	0.07	67.0	0.105	<1	1.32	0.012	0.03	0.2	0.8	0.07	<0.02	43	0.3	0.05	10.5
L77500E 77925N	Soil	7.8	22.5	0.49	116.1	0.089	<1	2.25	0.010	0.11	0.8	1.8	0.12	<0.02	41	0.4	0.05	7.1
L77500E 77950N	Soil	9.1	67.0	0.27	127.0	0.087	3	3.19	0.007	0.10	1.1	2.1	0.12	<0.02	72	0.2	<0.02	8.5
L77500E 78000N	Soil	10.0	13.0	0.26	233.7	0.063	3	1.73	0.010	0.09	0.5	1.3	0.15	0.04	95	0.2	0.03	5.5

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Project: Athabasca
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003471.1

		Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
L77500E 78025N	Soil		0.56	139.9	17.36	36.0	708	8.5	6.4	573	2.05	7.5	1.3	43.7	3.6	28.5	0.58	2.36	0.26	23	0.21	0.113
L77500E 78050N	Soil		0.43	49.53	15.59	90.3	419	10.4	7.6	2900	1.85	8.0	0.6	6.2	1.5	73.0	1.10	0.63	0.26	19	0.73	0.306
L77500E 78075N	Soil		0.50	34.08	20.19	100.1	479	12.7	9.1	1161	2.37	3.5	0.6	63.3	2.2	36.6	0.61	0.38	0.36	27	0.29	0.175
L77500E 78100N	Soil		0.55	19.60	18.67	108.0	117	17.7	9.1	1112	2.44	3.5	0.5	2.5	2.3	26.7	0.53	0.59	0.35	33	0.24	0.125
L77500E 78125N	Soil		0.51	14.56	57.97	137.5	117	15.1	8.7	2600	2.35	12.8	0.5	61.1	1.9	37.9	1.35	1.06	0.54	31	0.35	0.263
L77500E 78150N	Soil		0.91	20.20	18.39	85.0	385	13.5	6.9	457	2.51	5.4	0.7	52.0	1.8	31.1	0.43	1.05	0.36	34	0.10	0.105
L77500E 78175N	Soil		0.63	21.00	64.61	183.8	212	9.7	8.4	4061	2.17	8.7	0.5	38.2	1.1	66.4	3.15	1.66	0.43	24	0.38	0.150
L77500E 78200N	Soil		0.50	17.11	35.10	106.2	210	19.3	9.6	1287	2.45	6.5	0.4	33.7	1.9	40.4	0.76	0.94	0.37	32	0.24	0.215
L77500E 78225N	Soil		0.35	22.09	15.84	144.8	236	42.1	13.2	597	2.35	3.8	0.5	3.3	2.5	20.8	0.72	0.37	0.28	34	0.20	0.210
L77500E 78250N	Soil		0.27	10.49	11.87	106.4	200	12.2	7.1	473	1.79	3.2	0.4	1.8	1.8	20.3	0.99	0.50	0.25	26	0.18	0.245
L77500E 78275N	Soil		0.40	17.51	32.64	173.3	172	16.2	8.8	362	2.44	6.0	0.6	8.7	3.5	25.5	2.71	0.61	0.72	36	0.22	0.150
L77500E 78300N	Soil		0.40	11.05	21.42	167.4	419	10.4	6.0	319	2.08	3.6	0.7	5.5	2.8	34.4	2.92	0.80	0.47	27	0.28	0.239
L77500E 78325N	Soil		0.77	11.98	25.74	132.0	358	9.9	6.2	817	2.17	3.1	0.6	17.9	2.3	19.4	1.39	0.75	0.93	29	0.12	0.118
L77500E 78350N	Soil		0.78	8.41	108.5	243.7	285	7.7	5.4	966	1.85	4.5	0.4	41.0	2.0	13.1	4.14	0.59	0.55	25	0.10	0.123
L77500E 78375N	Soil		0.58	21.20	69.36	232.3	426	14.0	7.8	551	2.41	5.5	1.0	152.6	2.8	17.1	4.28	0.73	0.58	34	0.18	0.113
L77500E 78400N	Soil		0.64	37.60	98.06	352.5	464	21.3	10.3	545	2.74	5.6	1.4	100.9	3.2	20.4	6.15	0.50	0.54	41	0.23	0.116
L77500E 78425N	Soil		0.44	15.02	24.18	148.2	192	12.5	7.6	403	2.10	3.3	0.7	9.7	2.5	20.4	2.92	0.32	0.32	31	0.20	0.080
L77500E 78450N	Soil		0.46	10.11	17.16	122.9	206	10.2	6.0	791	1.92	3.3	0.4	4.5	1.8	24.5	3.15	0.69	0.30	27	0.17	0.073
L77500E 78475N	Soil		0.57	10.12	16.08	150.5	317	8.4	5.9	966	1.76	5.5	0.5	4.1	2.0	18.7	4.54	1.34	0.30	24	0.19	0.206
L77500E 78500N	Soil		0.50	12.31	20.41	261.8	234	13.8	9.6	937	2.45	3.9	0.3	7.3	1.8	14.9	4.70	0.49	0.37	37	0.14	0.087
L77500E 78525N	Soil		0.54	10.05	28.21	243.4	148	11.8	6.6	933	2.22	9.6	0.5	12.0	2.5	13.3	3.41	1.33	0.37	31	0.10	0.278
L77500E 78550N	Soil		0.79	11.51	14.23	134.1	399	8.1	5.4	1716	1.64	4.5	0.9	1.1	2.3	20.2	5.54	1.36	0.23	21	0.15	0.210
L77500E 78575N	Soil		0.43	5.23	19.69	130.1	190	7.7	6.4	955	1.64	4.0	0.3	1.4	1.8	13.2	2.05	0.79	0.30	22	0.11	0.212
L77500E 78600N	Soil		0.64	10.87	63.93	93.6	438	6.4	4.2	498	1.54	17.5	0.7	6.4	2.5	8.0	2.08	2.87	0.34	20	0.07	0.237
L77500E 78625N	Soil		0.55	8.41	30.30	200.9	228	9.8	6.6	523	2.17	5.4	0.4	23.8	2.1	10.9	2.89	0.86	0.46	29	0.08	0.305
L77500E 78650N	Soil		0.46	51.27	15.40	147.7	105	30.7	17.1	406	3.30	3.3	0.4	7.5	1.9	28.9	2.34	0.72	0.23	65	0.24	0.059
L77750E 77925N	Soil		0.29	19.01	14.50	77.6	149	11.3	7.7	447	2.22	3.1	2.2	19.0	3.4	32.6	0.65	0.23	0.29	36	0.43	0.100
L77750E 77950N	Soil		0.35	9.49	40.60	67.4	116	8.0	5.6	234	1.53	4.0	0.4	69.2	2.2	15.5	0.49	0.84	0.33	23	0.18	0.058
L77750E 77975N	Soil		0.36	10.20	14.72	102.8	90	11.1	6.7	483	1.80	2.9	0.4	3.3	2.4	19.5	0.73	0.25	0.25	26	0.15	0.107
L77750E 78000N	Soil		0.64	8.26	22.00	145.3	133	10.9	6.2	818	1.78	6.9	0.6	1.2	2.7	13.2	1.14	0.73	0.34	25	0.13	0.177

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
L77500E 78025N	Soil	10.7	8.0	0.19	70.7	0.198	2	5.04	0.009	0.04	0.8	3.0	0.11	<0.02	110	0.3	<0.02	10.1
L77500E 78050N	Soil	7.9	12.3	0.22	338.0	0.122	3	3.06	0.012	0.09	0.4	1.6	0.16	0.03	74	0.3	0.03	7.6
L77500E 78075N	Soil	6.5	15.0	0.35	262.5	0.141	2	2.81	0.007	0.10	0.7	1.6	0.19	<0.02	57	0.2	0.03	9.5
L77500E 78100N	Soil	6.9	23.8	0.48	315.6	0.146	2	2.82	0.007	0.09	0.5	1.8	0.18	<0.02	49	0.1	0.04	8.8
L77500E 78125N	Soil	5.7	20.4	0.49	253.0	0.127	2	2.25	0.008	0.16	0.4	1.6	0.20	<0.02	63	0.1	0.05	8.0
L77500E 78150N	Soil	8.4	16.1	0.41	71.9	0.128	2	2.83	0.002	0.10	0.7	1.7	0.12	0.03	95	0.3	0.04	10.2
L77500E 78175N	Soil	7.1	12.4	0.30	259.0	0.063	1	2.40	0.006	0.10	0.9	1.3	0.28	<0.02	102	0.2	0.09	8.4
L77500E 78200N	Soil	7.3	22.8	0.42	252.5	0.120	3	2.54	0.007	0.12	0.7	1.7	0.22	<0.02	63	0.1	0.07	9.2
L77500E 78225N	Soil	7.8	45.7	0.69	187.6	0.143	<1	2.58	0.014	0.10	0.8	1.8	0.13	<0.02	30	0.2	<0.02	7.0
L77500E 78250N	Soil	6.4	18.1	0.33	174.5	0.095	<1	1.64	0.014	0.11	0.4	1.4	0.10	<0.02	41	0.1	<0.02	5.7
L77500E 78275N	Soil	7.6	23.4	0.51	150.8	0.127	<1	2.77	0.008	0.15	1.8	1.8	0.17	<0.02	31	0.2	<0.02	7.8
L77500E 78300N	Soil	6.2	11.7	0.31	128.6	0.163	2	3.16	0.012	0.09	1.1	1.7	0.14	<0.02	67	0.3	<0.02	9.3
L77500E 78325N	Soil	6.2	12.2	0.32	185.6	0.137	2	2.71	0.007	0.08	1.5	1.5	0.15	<0.02	90	0.3	0.03	9.8
L77500E 78350N	Soil	4.1	9.0	0.15	161.7	0.143	1	2.82	0.007	0.05	0.7	1.3	0.11	<0.02	49	0.3	0.03	9.0
L77500E 78375N	Soil	8.1	18.7	0.46	128.9	0.148	2	2.61	0.008	0.13	1.5	2.0	0.19	<0.02	64	0.2	<0.02	8.2
L77500E 78400N	Soil	10.8	30.3	0.57	131.8	0.183	1	3.08	0.010	0.14	0.9	2.8	0.23	<0.02	43	0.2	<0.02	8.8
L77500E 78425N	Soil	8.7	18.3	0.51	132.0	0.110	<1	2.11	0.007	0.12	1.0	1.8	0.16	<0.02	42	0.2	<0.02	6.5
L77500E 78450N	Soil	5.6	13.1	0.31	161.7	0.111	1	2.01	0.009	0.07	0.4	1.4	0.14	<0.02	44	0.2	<0.02	7.6
L77500E 78475N	Soil	4.3	9.9	0.18	164.1	0.151	1	2.87	0.009	0.05	0.3	1.2	0.12	<0.02	41	0.3	0.04	8.4
L77500E 78500N	Soil	5.6	21.9	0.47	158.8	0.136	1	2.14	0.007	0.07	0.3	1.6	0.16	<0.02	39	0.1	<0.02	8.8
L77500E 78525N	Soil	4.8	16.8	0.33	141.7	0.133	<1	3.03	0.006	0.06	0.5	1.7	0.13	<0.02	71	0.2	<0.02	8.4
L77500E 78550N	Soil	5.5	8.2	0.11	130.3	0.155	3	4.05	0.011	0.03	0.5	1.7	0.15	<0.02	96	0.4	<0.02	9.1
L77500E 78575N	Soil	4.7	12.0	0.15	143.2	0.101	<1	1.67	0.011	0.05	0.5	1.1	0.15	<0.02	49	0.1	<0.02	6.6
L77500E 78600N	Soil	3.1	6.6	0.09	57.5	0.151	2	3.80	0.008	0.03	0.4	1.5	0.09	0.03	106	0.4	<0.02	8.8
L77500E 78625N	Soil	4.9	16.0	0.21	139.9	0.115	1	2.78	0.007	0.06	0.7	1.4	0.10	<0.02	53	0.1	<0.02	8.8
L77500E 78650N	Soil	8.2	52.9	1.18	145.7	0.142	<1	2.67	0.002	0.08	0.6	2.9	0.09	<0.02	27	<0.1	0.04	6.9
L77750E 77925N	Soil	13.8	28.7	0.63	104.3	0.101	1	1.45	0.014	0.20	2.0	2.1	0.21	<0.02	31	0.1	<0.02	4.6
L77750E 77950N	Soil	8.8	14.9	0.38	65.0	0.077	<1	1.07	0.011	0.09	0.9	1.2	0.12	<0.02	27	<0.1	<0.02	4.0
L77750E 77975N	Soil	7.3	16.7	0.45	114.0	0.095	<1	1.60	0.009	0.11	0.8	1.3	0.13	<0.02	31	0.1	<0.02	5.1
L77750E 78000N	Soil	4.9	13.4	0.28	100.8	0.130	2	2.84	0.011	0.08	0.8	1.7	0.18	<0.02	83	0.3	<0.02	7.1

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	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
L77750E 78025N	Soil	0.53	9.48	15.03	164.6	634	10.0	6.0	285	1.68	5.5	0.6	1.2	2.6	11.2	1.62	1.18	0.31	22	0.07	0.200
L77750E 78050N	Soil	0.51	9.97	16.74	204.9	261	13.5	7.2	219	1.96	5.3	0.5	<0.2	2.9	17.4	1.37	0.87	0.34	27	0.12	0.203
L77750E 78075N	Soil	0.31	15.27	18.87	90.8	214	12.7	7.6	305	2.00	3.6	0.6	4.8	3.2	21.1	0.75	0.62	0.33	29	0.19	0.097
L77750E 78100N	Soil	0.22	10.65	19.16	63.8	67	9.6	5.9	376	1.61	2.1	0.6	1.9	2.6	31.6	0.68	0.28	0.28	33	0.35	0.082
L77750E 78125N	Soil	0.91	126.3	47.14	174.7	1324	33.2	16.7	1403	3.00	8.8	4.1	11.1	2.2	58.2	2.47	2.06	0.46	67	0.78	0.053
L77750E 78150N	Soil	0.24	8.69	17.76	114.3	218	8.4	5.5	387	1.68	4.0	0.4	2.5	2.5	23.3	1.34	0.41	0.44	26	0.20	0.164
L77750E 78175N	Soil	0.60	10.89	11.95	128.6	107	8.4	7.4	355	2.26	4.5	0.7	4.5	1.7	23.6	1.65	0.39	0.20	46	0.26	0.018
L77750E 78200N	Soil	0.29	8.97	27.71	152.7	143	12.2	6.3	319	1.92	3.1	0.6	2.0	2.8	22.0	2.57	0.76	0.38	31	0.22	0.132
L77750E 78225N	Soil	0.47	7.06	18.51	190.4	95	10.8	5.6	481	1.85	2.7	0.5	34.5	2.7	15.0	2.59	0.64	0.46	31	0.13	0.105
L77750E 78250N	Soil	0.58	28.90	66.87	965.2	2227	41.1	10.3	1349	3.23	6.1	17.0	21.1	5.9	48.6	29.50	0.63	1.39	78	0.42	0.086
L77750E 78275N	Soil	0.53	13.17	93.32	597.4	1539	18.5	7.6	380	2.49	3.2	7.6	20.2	3.5	27.9	5.16	0.48	2.88	51	0.25	0.027
L77750E 78300N	Soil	0.36	7.22	16.67	304.4	125	10.5	6.2	536	1.79	2.9	0.4	53.7	2.1	24.2	5.16	0.54	0.33	30	0.23	0.096
L77750E 78325N	Soil	0.22	15.34	11.27	77.6	73	13.7	7.4	260	2.01	1.5	0.7	2.9	3.8	21.9	0.88	0.12	0.25	40	0.23	0.074
L77750E 78350N	Soil	0.43	7.38	72.39	214.2	217	16.3	6.7	304	1.94	2.1	0.7	5.7	2.5	26.4	2.65	0.52	1.43	34	0.25	0.052
L77750E 78375N	Soil	0.24	5.40	16.34	133.8	72	9.2	4.8	393	1.54	3.7	0.3	1.0	2.1	23.2	1.37	0.43	0.24	24	0.16	0.151
L77750E 78400N	Soil	0.17	9.37	9.43	59.5	64	9.0	4.7	201	1.45	1.3	0.7	0.9	4.1	18.7	0.71	0.12	0.23	26	0.18	0.063
L77750E 78425N	Soil	0.28	10.59	20.68	136.1	291	12.1	5.8	339	1.82	2.7	1.1	8.9	3.3	28.5	1.48	0.19	0.32	29	0.21	0.058
L77750E 78450N	Soil	0.30	9.10	21.34	139.2	251	11.3	5.1	424	1.67	2.7	0.6	33.7	2.7	28.2	1.93	0.29	0.42	26	0.22	0.090
L77750E 78475N	Soil	0.46	10.75	30.46	200.0	270	12.9	6.0	549	1.90	4.2	0.8	4.6	2.9	27.7	3.70	0.48	0.41	29	0.19	0.127
L77750E 78500N	Soil	0.43	16.69	38.78	158.6	236	17.3	8.2	489	2.56	6.6	1.2	22.7	3.4	70.9	1.39	0.16	0.38	42	0.27	0.074
L77750E 78525N	Soil	1.29	13.47	93.34	376.6	549	17.3	7.2	812	2.35	34.9	2.2	25.9	3.1	44.2	5.00	0.54	0.63	35	0.38	0.070
L77750E 78550N	Soil	0.55	14.75	47.26	301.6	353	16.4	7.4	468	2.51	10.3	0.9	95.5	2.8	25.7	2.43	0.22	0.64	37	0.19	0.085
L77750E 78575N	Soil	0.42	9.29	18.66	122.9	188	13.0	6.3	314	1.99	2.6	0.8	1.8	3.8	20.1	1.14	0.31	0.40	32	0.18	0.083
L77750E 78600N	Soil	0.48	10.15	16.84	145.5	199	13.6	6.4	313	2.06	2.9	0.8	0.6	4.1	19.7	1.08	0.20	0.40	33	0.18	0.091
L77750E 78625N	Soil	0.66	8.59	19.93	188.7	222	12.8	6.2	1146	1.93	3.2	0.5	0.7	2.4	20.0	2.83	1.05	0.37	31	0.15	0.134
L77750E 78650N	Soil	0.73	9.00	21.82	187.2	198	14.1	6.6	639	2.32	5.1	0.6	1.4	2.9	17.2	2.73	1.18	0.41	34	0.14	0.174
L77750E 78675N	Soil	0.84	11.22	45.63	220.1	305	12.9	6.5	807	2.01	5.4	1.4	0.5	2.9	26.8	3.06	0.84	0.42	33	0.21	0.196
L77750E 78700N	Soil	0.75	12.11	28.02	183.0	449	9.8	5.9	232	2.00	3.1	1.6	0.3	3.5	17.9	2.43	0.47	0.34	31	0.14	0.185
L77750E 78725N	Soil	0.55	5.81	166.7	616.4	446	8.5	5.3	1139	1.75	6.9	0.4	0.9	1.6	25.7	15.88	0.56	3.17	28	0.24	0.119
L77750E 78750N	Soil	0.58	10.53	27.29	140.5	268	10.8	6.0	569	2.02	3.5	0.8	1.0	2.9	19.7	1.70	0.57	0.41	33	0.16	0.115

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Project: Athabasca
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003471.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
L77750E 78025N	Soil	5.5	11.3	0.19	127.4	0.134	1	2.81	0.012	0.06	0.8	1.8	0.12	<0.02	64	0.2	0.03	7.4
L77750E 78050N	Soil	4.5	13.3	0.24	201.6	0.159	<1	3.11	0.014	0.08	0.7	1.6	0.14	<0.02	43	<0.1	0.03	8.3
L77750E 78075N	Soil	8.8	19.4	0.47	148.5	0.095	<1	1.76	0.009	0.12	1.4	1.8	0.14	<0.02	39	0.2	<0.02	5.4
L77750E 78100N	Soil	11.4	17.7	0.45	79.1	0.068	<1	1.00	0.019	0.17	0.7	1.5	0.13	0.03	20	0.3	0.03	3.5
L77750E 78125N	Soil	14.4	52.4	0.89	204.2	0.129	2	2.42	0.015	0.21	1.3	3.5	0.26	<0.02	202	1.0	0.03	6.6
L77750E 78150N	Soil	6.1	15.4	0.34	134.0	0.068	<1	1.55	0.011	0.13	0.8	1.2	0.14	<0.02	50	0.3	0.04	5.0
L77750E 78175N	Soil	6.0	18.5	0.62	115.1	0.135	2	1.34	0.016	0.26	0.4	1.6	0.30	<0.02	31	0.2	0.04	6.2
L77750E 78200N	Soil	6.9	16.6	0.37	142.5	0.100	2	2.19	0.011	0.11	0.9	1.8	0.14	<0.02	33	0.3	<0.02	6.6
L77750E 78225N	Soil	6.7	14.9	0.36	146.9	0.094	3	2.03	0.011	0.10	1.1	1.6	0.14	<0.02	33	0.2	0.03	6.3
L77750E 78250N	Soil	35.0	222.1	0.73	870.3	0.146	1	3.50	0.017	0.36	2.0	5.5	0.33	<0.02	98	0.6	<0.02	10.8
L77750E 78275N	Soil	23.3	96.7	0.59	313.1	0.117	<1	2.51	0.015	0.23	1.7	2.6	0.21	<0.02	46	0.5	0.02	7.1
L77750E 78300N	Soil	6.1	16.0	0.33	169.7	0.091	3	1.82	0.014	0.12	0.6	1.3	0.10	<0.02	34	0.2	<0.02	5.8
L77750E 78325N	Soil	10.6	23.9	0.60	136.7	0.086	<1	1.80	0.013	0.17	1.1	1.9	0.14	<0.02	14	0.1	0.03	5.0
L77750E 78350N	Soil	9.5	26.0	0.46	145.7	0.109	<1	1.99	0.014	0.19	0.8	1.6	0.18	<0.02	24	0.2	<0.02	6.3
L77750E 78375N	Soil	6.5	14.9	0.29	169.1	0.071	2	1.38	0.010	0.08	0.6	1.1	0.11	<0.02	28	0.1	<0.02	5.2
L77750E 78400N	Soil	11.8	14.4	0.36	109.3	0.072	3	1.33	0.011	0.12	0.5	1.4	0.11	<0.02	14	0.2	<0.02	4.1
L77750E 78425N	Soil	13.3	21.1	0.54	106.9	0.082	<1	1.64	0.010	0.16	0.7	1.7	0.17	<0.02	18	0.2	<0.02	5.1
L77750E 78450N	Soil	8.5	18.1	0.46	131.8	0.070	<1	1.63	0.010	0.13	0.6	1.4	0.14	<0.02	29	0.2	<0.02	5.1
L77750E 78475N	Soil	10.1	20.3	0.43	201.0	0.095	2	2.28	0.012	0.14	0.8	1.9	0.15	<0.02	40	0.3	0.03	6.8
L77750E 78500N	Soil	13.3	30.7	0.85	142.5	0.098	5	2.29	0.009	0.23	1.4	2.1	0.24	<0.02	25	0.1	<0.02	6.9
L77750E 78525N	Soil	18.9	26.3	0.58	217.0	0.091	2	2.29	0.011	0.18	1.0	2.1	0.23	<0.02	41	0.3	<0.02	6.9
L77750E 78550N	Soil	9.7	23.4	0.61	273.5	0.110	3	2.83	0.011	0.17	0.6	2.0	0.23	<0.02	32	0.1	<0.02	8.3
L77750E 78575N	Soil	10.6	19.9	0.50	153.8	0.104	8	2.04	0.010	0.14	0.9	2.1	0.20	<0.02	39	0.3	0.03	6.2
L77750E 78600N	Soil	11.9	22.2	0.58	141.5	0.099	1	1.87	0.011	0.16	0.9	2.0	0.18	<0.02	20	0.2	0.02	5.9
L77750E 78625N	Soil	7.3	14.9	0.33	216.0	0.135	1	2.59	0.018	0.11	0.5	1.9	0.23	<0.02	49	0.3	<0.02	8.5
L77750E 78650N	Soil	6.7	17.2	0.39	199.3	0.144	<1	3.12	0.014	0.11	0.9	1.6	0.18	<0.02	49	0.3	<0.02	9.2
L77750E 78675N	Soil	10.0	17.9	0.33	218.0	0.130	3	2.93	0.017	0.11	0.5	1.9	0.19	<0.02	47	0.3	<0.02	8.8
L77750E 78700N	Soil	10.2	10.9	0.25	161.6	0.144	3	3.63	0.018	0.08	0.7	2.1	0.14	<0.02	45	0.2	<0.02	9.6
L77750E 78725N	Soil	6.5	12.5	0.26	134.7	0.112	<1	1.69	0.014	0.11	1.6	1.2	0.19	<0.02	33	<0.1	<0.02	7.1
L77750E 78750N	Soil	8.9	15.7	0.38	178.8	0.106	2	2.49	0.013	0.11	0.5	1.8	0.19	<0.02	41	0.3	0.02	7.8

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Project: Athabasca
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003471.1

		Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
L77750E 78775N	Soil		1.58	17.01	13.93	77.5	413	9.5	5.2	253	2.00	3.7	8.4	0.9	3.5	16.5	0.81	0.61	0.35	33	0.13	0.149
L77750E 78800N	Soil		0.59	9.52	13.57	164.9	146	11.0	5.6	369	2.11	4.4	0.7	<0.2	3.3	12.8	1.88	0.58	0.33	34	0.09	0.195
L77750E 78825N	Soil		0.59	14.18	16.88	252.5	275	24.1	8.2	343	2.64	2.3	1.8	1.3	4.7	21.5	2.63	0.51	0.37	41	0.18	0.086
L77750E 78850N	Soil		0.58	8.04	20.60	218.5	203	8.2	6.1	683	2.19	1.9	0.5	0.4	2.2	10.4	2.84	0.46	0.49	36	0.10	0.136
L77750E 78875N	Soil		0.43	10.15	15.68	137.9	346	9.5	5.5	265	1.96	2.3	0.9	0.4	4.1	16.7	2.74	0.25	0.33	32	0.15	0.070
L77750E 78900N	Soil		0.48	6.50	21.41	186.5	181	6.5	4.8	604	1.74	5.8	0.3	0.5	2.1	10.0	2.34	0.76	0.38	27	0.08	0.343
L77800E 78000N	Soil		0.49	8.81	23.70	121.6	154	7.7	5.1	502	1.85	5.2	0.4	0.9	2.5	12.7	0.97	0.67	0.32	31	0.12	0.158
L77800E 78025N	Soil		0.36	8.21	49.81	52.1	127	7.1	4.3	215	1.42	6.2	0.3	1.7	1.9	16.2	0.56	0.90	0.32	27	0.14	0.055
L77800E 78050N	Soil		0.34	6.21	26.11	100.9	94	6.9	4.9	434	1.75	6.1	0.3	5.8	2.2	10.4	0.62	0.71	0.36	30	0.08	0.190
L77800E 78075N	Soil		0.38	7.94	22.12	131.1	115	7.0	5.8	736	1.82	7.4	0.3	2.5	2.3	16.8	0.98	0.54	0.35	31	0.12	0.303
L77800E 78100N	Soil		0.18	11.94	8.98	68.0	69	8.9	6.3	268	1.87	1.6	0.5	3.3	3.3	18.7	0.49	0.06	0.22	33	0.22	0.091
L77800E 78125N	Soil		0.34	8.84	15.40	181.9	109	10.7	6.9	466	1.93	4.9	0.5	3.3	2.9	24.9	2.35	0.31	0.35	32	0.24	0.245
L77800E 78150N	Soil		0.23	7.93	36.45	151.7	108	9.9	5.8	682	1.67	6.3	0.4	10.1	2.5	23.3	1.88	0.49	0.36	28	0.15	0.170
L77800E 78175N	Soil		0.28	7.98	18.75	190.8	96	9.2	6.2	401	1.93	7.4	0.4	7.0	2.6	21.7	2.49	0.51	0.39	32	0.20	0.268
L77800E 78200N	Soil		0.56	6.73	53.15	335.0	171	7.7	4.8	1799	1.46	6.6	0.3	3.0	1.7	39.8	10.49	1.23	0.45	25	0.36	0.159
L77800E 78225N	Soil		0.49	7.03	20.68	265.4	133	9.0	5.4	665	1.83	6.4	0.4	3.1	2.6	34.0	5.50	0.50	0.42	30	0.31	0.177
L77800E 78250N	Soil		0.35	8.12	38.43	567.9	167	12.3	7.0	441	2.50	3.4	1.4	22.1	2.7	33.4	5.91	0.60	0.67	47	0.34	0.034
L77800E 78275N	Soil		0.29	8.73	39.14	444.6	195	11.6	6.9	359	2.06	2.9	1.0	32.1	2.9	40.2	4.03	0.43	0.58	38	0.43	0.036
L77800E 78300N	Soil		0.42	6.78	44.74	366.2	172	8.7	5.7	1053	1.81	5.7	0.5	6.3	1.9	28.4	6.31	0.71	1.29	31	0.27	0.096
L77800E 78325N	Soil		0.39	15.56	31.28	233.0	257	15.7	8.7	461	2.47	2.4	1.6	2.0	4.5	24.6	3.25	0.17	0.47	48	0.23	0.119
L77800E 78350N	Soil		0.17	10.66	15.27	62.8	76	10.3	6.4	226	1.69	4.8	0.5	5.1	3.2	19.8	0.96	0.27	0.26	31	0.24	0.073
L77800E 78375N	Soil		0.27	7.69	48.16	207.3	148	8.2	5.0	743	1.69	10.2	0.4	1.6	2.1	18.4	2.94	0.79	0.45	29	0.14	0.177
L77800E 78400N	Soil		0.37	11.79	30.07	201.1	215	12.5	6.4	443	2.11	3.0	1.0	11.2	4.2	19.9	2.32	0.19	0.43	34	0.14	0.101
L77800E 78425N	Soil		0.45	12.99	55.79	206.2	545	12.4	6.5	361	2.15	3.9	1.2	102.1	4.3	21.9	2.13	0.29	1.06	35	0.16	0.090
L77800E 78450N	Soil		0.43	7.32	44.96	304.9	127	10.8	6.0	967	1.91	7.3	0.5	3.6	2.6	24.3	4.48	0.77	0.56	30	0.17	0.175
L77800E 78475N	Soil		0.37	9.72	48.27	254.8	186	11.4	6.1	838	1.90	9.9	0.6	5.8	2.5	24.4	6.81	0.75	0.49	32	0.15	0.113
L77800E 78500N	Soil		0.37	12.59	55.38	292.8	436	17.8	8.2	482	2.82	7.4	2.1	11.3	4.8	35.7	1.85	0.13	0.61	48	0.26	0.053
L77800E 78525N	Soil		0.49	11.94	84.52	383.4	540	16.3	7.8	772	2.76	13.1	2.0	17.0	3.9	34.3	4.57	0.60	0.76	44	0.22	0.101
L77800E 78550N	Soil		0.52	11.89	71.71	250.2	551	13.2	6.8	480	2.31	17.0	3.0	2.2	4.7	29.0	4.37	1.03	0.48	37	0.23	0.270
L77800E 78575N	Soil		0.81	11.04	67.12	329.8	311	11.5	6.8	581	2.33	4.8	2.1	8.3	4.0	21.3	3.21	0.69	0.77	38	0.17	0.078

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
L77750E 78775N	Soil	8.3	9.7	0.25	104.0	0.160	<1	3.97	0.018	0.09	0.6	2.6	0.16	<0.02	82	0.4	<0.02	10.1
L77750E 78800N	Soil	4.8	11.9	0.26	178.9	0.145	<1	4.04	0.015	0.07	0.5	1.5	0.12	<0.02	34	0.2	0.03	9.4
L77750E 78825N	Soil	13.0	38.9	0.64	177.9	0.134	4	2.80	0.013	0.18	3.0	2.7	0.26	<0.02	43	0.3	0.03	8.8
L77750E 78850N	Soil	5.9	12.6	0.32	159.8	0.131	3	2.27	0.013	0.12	0.4	1.7	0.17	<0.02	39	<0.1	<0.02	10.5
L77750E 78875N	Soil	9.8	13.7	0.39	176.6	0.121	<1	2.63	0.016	0.15	0.7	2.2	0.17	<0.02	32	0.1	<0.02	7.1
L77750E 78900N	Soil	4.1	11.1	0.16	136.7	0.121	<1	2.16	0.014	0.07	0.4	1.3	0.13	<0.02	41	<0.1	<0.02	8.4
L77800E 78000N	Soil	5.1	12.7	0.22	104.8	0.101	<1	2.39	0.013	0.05	0.7	1.6	0.12	<0.02	78	0.2	0.03	7.5
L77800E 78025N	Soil	6.5	15.3	0.30	55.1	0.071	2	0.86	0.011	0.05	0.6	1.2	0.11	<0.02	51	0.2	<0.02	5.0
L77800E 78050N	Soil	4.6	12.0	0.22	86.8	0.096	<1	1.66	0.009	0.06	0.7	1.1	0.13	<0.02	76	0.2	0.03	6.6
L77800E 78075N	Soil	5.1	11.5	0.17	230.1	0.108	<1	2.00	0.013	0.06	0.8	1.6	0.12	<0.02	49	0.2	0.04	8.1
L77800E 78100N	Soil	9.2	16.0	0.53	92.0	0.073	<1	1.26	0.012	0.11	1.2	1.6	0.12	<0.02	14	0.1	<0.02	4.5
L77800E 78125N	Soil	6.6	16.5	0.33	139.5	0.084	<1	1.76	0.013	0.11	1.0	1.7	0.11	<0.02	33	0.2	0.03	6.2
L77800E 78150N	Soil	6.9	15.3	0.37	228.4	0.077	<1	1.40	0.012	0.11	0.8	1.4	0.12	<0.02	40	<0.1	<0.02	5.3
L77800E 78175N	Soil	4.7	15.2	0.31	156.3	0.093	<1	1.78	0.010	0.10	0.9	1.3	0.14	<0.02	46	0.2	<0.02	6.6
L77800E 78200N	Soil	5.0	10.1	0.21	359.9	0.094	2	1.34	0.013	0.10	0.6	1.1	0.14	<0.02	101	0.3	0.02	6.1
L77800E 78225N	Soil	6.4	13.2	0.33	192.1	0.088	2	1.68	0.011	0.11	1.2	1.4	0.13	<0.02	50	0.1	<0.02	6.4
L77800E 78250N	Soil	8.5	30.6	0.56	265.6	0.122	<1	2.32	0.013	0.23	1.1	1.9	0.25	<0.02	73	0.2	0.03	8.1
L77800E 78275N	Soil	8.3	26.5	0.52	276.6	0.105	<1	1.82	0.012	0.15	1.2	1.5	0.17	<0.02	50	0.2	<0.02	6.4
L77800E 78300N	Soil	6.2	13.6	0.28	303.5	0.094	<1	1.49	0.015	0.10	1.4	1.3	0.14	<0.02	58	0.3	0.03	6.2
L77800E 78325N	Soil	12.2	26.5	0.61	207.1	0.117	<1	2.46	0.010	0.21	1.1	2.4	0.20	<0.02	26	0.3	<0.02	7.1
L77800E 78350N	Soil	10.3	17.8	0.41	102.5	0.062	<1	1.09	0.012	0.10	1.4	1.3	0.09	<0.02	24	0.1	0.04	3.8
L77800E 78375N	Soil	5.1	12.7	0.23	176.7	0.098	<1	1.61	0.016	0.09	0.5	1.2	0.12	<0.02	48	0.1	0.03	6.4
L77800E 78400N	Soil	10.1	17.7	0.44	166.7	0.114	<1	2.55	0.009	0.12	1.0	2.5	0.18	<0.02	31	0.2	<0.02	7.9
L77800E 78425N	Soil	12.0	19.7	0.46	133.1	0.111	1	2.52	0.010	0.13	1.4	2.4	0.18	<0.02	45	0.2	0.03	7.6
L77800E 78450N	Soil	6.5	15.9	0.33	207.2	0.102	<1	2.02	0.011	0.12	0.7	1.4	0.19	<0.02	60	0.2	0.03	6.9
L77800E 78475N	Soil	6.8	16.1	0.33	219.9	0.115	1	2.16	0.014	0.12	0.7	1.5	0.17	<0.02	39	0.1	<0.02	7.2
L77800E 78500N	Soil	16.7	30.8	0.83	128.8	0.142	<1	2.79	0.008	0.36	1.0	2.5	0.51	<0.02	36	0.3	0.02	8.6
L77800E 78525N	Soil	12.6	24.6	0.53	298.1	0.128	<1	3.27	0.008	0.22	0.9	2.0	0.29	<0.02	50	0.2	0.02	9.8
L77800E 78550N	Soil	12.0	21.5	0.36	143.7	0.158	2	3.59	0.011	0.11	1.2	2.3	0.19	<0.02	65	0.3	0.02	10.0
L77800E 78575N	Soil	12.4	16.7	0.45	162.0	0.126	1	2.57	0.009	0.17	1.4	2.1	0.25	<0.02	54	0.3	0.02	8.2

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Project: Athabasca
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003471.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
L77800E 78600N	Soil	0.52	8.83	66.54	172.5	163	11.1	6.2	710	2.04	10.9	0.7	0.9	3.1	15.8	2.33	1.20	1.06	33	0.13	0.095
L77800E 78625N	Soil	0.55	9.01	52.63	242.1	185	10.2	5.7	976	1.98	7.4	0.7	8.4	2.6	19.5	3.23	1.04	0.60	32	0.16	0.161
L77800E 78650N	Soil	0.55	10.13	22.27	125.1	201	12.1	6.0	394	1.98	2.7	1.1	1.6	4.1	22.3	1.23	0.27	0.48	33	0.18	0.097
L77800E 78675N	Soil	0.43	8.05	22.05	198.5	294	11.3	6.1	636	2.04	2.3	0.7	0.3	3.3	17.7	1.90	0.33	0.58	33	0.15	0.109
L77800E 78700N	Soil	0.40	6.72	40.93	190.2	149	9.5	5.3	705	1.84	7.4	0.4	1.9	2.4	16.3	2.38	1.28	0.81	30	0.12	0.115
L77800E 78725N	Soil	0.61	9.67	35.72	171.3	291	10.0	6.1	652	1.98	4.4	1.7	0.7	3.4	20.9	2.62	0.61	0.52	32	0.17	0.136
L77800E 78750N	Soil	0.37	12.07	15.36	138.3	234	11.9	6.9	293	2.23	2.1	1.8	4.8	5.4	19.8	1.36	0.12	0.43	37	0.18	0.115
L77800E 78775N	Soil	0.61	13.57	21.82	205.9	574	10.5	5.9	487	2.13	4.8	2.0	<0.2	4.4	29.4	3.65	0.81	0.36	35	0.22	0.209
L77800E 78800N	Soil	0.68	8.26	32.99	211.3	186	10.0	5.6	1168	1.96	6.9	0.6	0.9	2.9	17.9	4.95	1.08	0.41	32	0.14	0.259
L77800E 78825N	Soil	0.41	6.66	22.76	151.6	184	7.5	5.2	805	1.74	5.2	0.4	<0.2	2.6	15.5	2.44	0.46	0.38	27	0.10	0.330
L77800E 78850N	Soil	0.37	10.45	18.05	176.7	201	15.2	8.0	476	2.47	2.0	0.7	1.5	3.8	28.9	1.59	0.20	0.32	44	0.20	0.076
L77800E 78875N	Soil	0.48	10.75	21.02	173.5	449	12.1	6.7	829	2.23	3.2	1.0	0.7	3.8	17.8	3.67	0.42	0.35	36	0.14	0.237
L77800E 78900N	Soil	0.46	8.43	24.66	172.7	522	8.7	5.0	394	1.88	4.6	0.6	0.4	1.9	18.7	1.98	0.64	0.58	32	0.18	0.173
L78200E 78550N	Soil	0.71	678.2	133.5	228.5	9319	32.8	24.1	2302	4.28	47.5	0.8	161.0	1.3	55.4	2.19	17.80	0.28	78	0.67	0.118
L78200E 78575N	Soil	0.45	12.52	21.70	103.5	131	10.9	7.3	408	2.15	4.0	1.0	5.8	3.5	30.3	0.83	0.41	0.37	36	0.29	0.105
L78200E 78600N	Soil	0.29	17.98	45.13	119.6	258	8.5	6.6	424	1.75	3.8	1.2	4.7	1.6	36.7	1.99	0.88	0.32	31	0.40	0.111
L78200E 78625N	Soil	0.43	14.61	18.77	99.5	144	11.7	7.4	333	2.07	4.8	2.0	2.9	3.8	20.0	1.07	1.05	0.36	35	0.21	0.119
L78200E 78650N	Soil	0.33	7.07	14.71	171.3	198	8.4	5.9	581	1.60	5.0	0.5	<0.2	2.5	20.7	1.95	0.49	0.42	24	0.19	0.290
L78200E 78675N	Soil	0.36	12.00	34.88	89.3	177	11.3	7.3	327	1.95	7.1	0.8	6.5	2.8	20.7	0.78	0.94	0.37	34	0.21	0.073
L78200E 78700N	Soil	0.26	7.47	13.09	112.7	121	10.9	6.7	409	1.85	3.2	0.6	3.4	3.1	25.2	1.53	0.28	0.38	29	0.23	0.164
L78200E 78725N	Soil	0.27	10.40	14.07	122.6	185	12.2	6.7	203	1.73	8.4	0.5	3.9	3.2	24.7	0.97	0.94	0.33	28	0.24	0.225
L78200E 78750N	Soil	0.25	16.05	94.58	86.0	282	9.9	6.4	539	1.71	4.1	1.2	3.0	3.4	42.3	1.56	1.25	0.55	30	0.44	0.092
L78200E 78775N	Soil	0.50	10.42	31.13	111.4	128	10.2	6.2	492	1.64	15.2	0.6	2.4	3.4	17.3	0.91	1.03	0.43	26	0.15	0.146
L78200E 78800N	Soil	0.47	10.76	18.41	128.9	143	14.8	7.2	519	1.92	4.4	0.5	2.7	2.9	18.6	0.88	0.73	0.39	31	0.13	0.149
L78200E 78825N	Soil	0.30	20.78	24.88	123.0	254	22.0	9.8	528	2.48	2.6	1.3	2.3	4.3	48.4	1.14	0.40	0.43	44	0.37	0.136
L78200E 78850N	Soil	0.34	25.11	20.89	123.4	213	27.6	12.1	549	2.95	2.0	2.5	3.6	5.4	78.5	0.98	0.13	0.63	55	0.59	0.162
L78200E 78875N	Soil	0.72	10.85	34.76	224.8	234	11.7	6.6	1024	2.01	7.6	1.0	2.0	3.3	18.0	2.30	0.92	0.37	29	0.16	0.406
L78200E 78900N	Soil	0.63	17.67	18.41	145.7	672	13.6	7.4	334	2.18	6.3	1.0	0.5	3.9	21.3	1.20	1.00	0.41	38	0.21	0.306

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Project: Athabasca
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003471.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
L77800E 78600N	Soil	8.2	16.2	0.39	124.8	0.104	<1	2.04	0.006	0.14	1.4	1.4	0.21	<0.02	46	0.2	0.04	7.0
L77800E 78625N	Soil	7.1	12.6	0.30	191.4	0.117	1	2.49	0.010	0.13	0.8	1.7	0.20	<0.02	45	0.2	<0.02	7.9
L77800E 78650N	Soil	12.4	17.4	0.46	147.2	0.102	<1	1.95	0.008	0.16	1.3	1.8	0.20	<0.02	30	0.2	0.03	6.1
L77800E 78675N	Soil	7.7	15.9	0.39	193.0	0.109	<1	2.07	0.009	0.14	0.9	1.6	0.20	<0.02	35	0.2	<0.02	7.5
L77800E 78700N	Soil	5.7	13.0	0.30	150.7	0.109	<1	1.87	0.010	0.10	0.6	1.3	0.14	<0.02	41	0.2	0.02	7.0
L77800E 78725N	Soil	11.1	13.9	0.36	169.2	0.118	<1	2.34	0.011	0.13	1.0	1.8	0.20	<0.02	51	0.3	0.02	7.7
L77800E 78750N	Soil	13.3	20.7	0.56	137.2	0.092	<1	1.93	0.007	0.18	1.1	2.4	0.24	<0.02	37	0.2	0.02	6.2
L77800E 78775N	Soil	11.0	13.9	0.29	151.8	0.159	<1	3.45	0.016	0.08	1.0	3.2	0.17	<0.02	87	0.3	<0.02	9.9
L77800E 78800N	Soil	5.3	13.1	0.21	217.7	0.135	<1	2.74	0.012	0.09	0.7	1.9	0.17	<0.02	54	0.3	<0.02	8.5
L77800E 78825N	Soil	4.8	11.9	0.20	260.1	0.119	<1	2.02	0.011	0.07	0.4	1.3	0.13	<0.02	53	0.2	0.02	7.7
L77800E 78850N	Soil	9.4	24.7	0.66	244.1	0.133	<1	2.25	0.010	0.24	0.5	1.8	0.26	<0.02	26	0.3	<0.02	7.3
L77800E 78875N	Soil	9.2	17.2	0.39	215.3	0.142	<1	3.24	0.011	0.12	0.5	2.3	0.21	<0.02	59	0.2	0.03	9.0
L77800E 78900N	Soil	5.1	13.1	0.22	164.3	0.119	1	2.01	0.012	0.11	0.4	1.1	0.15	<0.02	31	0.2	<0.02	9.2
L78200E 78550N	Soil	7.5	73.9	1.16	120.0	0.098	2	1.46	0.008	0.25	1.0	3.2	0.18	0.05	333	0.8	0.09	4.1
L78200E 78575N	Soil	9.7	22.0	0.50	107.6	0.090	1	1.45	0.011	0.15	1.4	1.7	0.20	<0.02	13	0.3	<0.02	5.0
L78200E 78600N	Soil	7.7	15.2	0.40	107.9	0.091	4	1.45	0.015	0.15	0.8	1.5	0.17	0.02	104	0.6	<0.02	4.9
L78200E 78625N	Soil	12.9	18.8	0.39	114.3	0.108	1	2.15	0.016	0.10	1.4	2.3	0.15	<0.02	27	0.5	<0.02	5.9
L78200E 78650N	Soil	6.5	14.4	0.26	176.1	0.080	2	1.61	0.013	0.07	1.3	1.8	0.13	<0.02	35	0.3	<0.02	5.2
L78200E 78675N	Soil	9.5	21.0	0.48	99.7	0.099	<1	1.41	0.013	0.12	1.0	1.7	0.17	<0.02	38	0.2	0.03	5.5
L78200E 78700N	Soil	9.0	18.3	0.38	173.2	0.095	2	1.34	0.013	0.11	1.3	1.5	0.14	<0.02	12	<0.1	0.06	5.6
L78200E 78725N	Soil	7.2	14.9	0.30	197.3	0.103	<1	1.95	0.015	0.10	1.0	1.7	0.17	<0.02	25	0.2	<0.02	6.3
L78200E 78750N	Soil	21.2	18.3	0.45	107.1	0.073	<1	1.03	0.014	0.12	1.3	1.6	0.20	<0.02	23	0.3	<0.02	3.9
L78200E 78775N	Soil	9.2	15.9	0.32	173.3	0.086	<1	1.25	0.012	0.08	1.3	1.5	0.16	<0.02	23	0.3	<0.02	5.1
L78200E 78800N	Soil	8.0	22.5	0.47	208.9	0.122	2	1.85	0.014	0.14	0.9	1.7	0.22	<0.02	37	0.3	0.03	6.9
L78200E 78825N	Soil	18.6	34.4	0.86	281.6	0.144	1	1.99	0.015	0.30	1.1	2.2	0.34	<0.02	<5	0.3	0.04	6.7
L78200E 78850N	Soil	29.8	45.3	1.13	318.1	0.159	1	1.76	0.017	0.49	1.1	2.6	0.45	<0.02	<5	0.3	0.03	6.9
L78200E 78875N	Soil	6.3	15.4	0.17	249.3	0.151	<1	3.51	0.016	0.07	0.7	2.0	0.19	<0.02	57	0.3	<0.02	9.8
L78200E 78900N	Soil	6.0	17.4	0.36	146.6	0.165	1	3.70	0.017	0.11	0.6	2.1	0.21	<0.02	102	0.5	0.03	10.0

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Project: Athabasca
Report Date: August 26, 2011

QUALITY CONTROL REPORT VAN11003471.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Pulp Duplicates																					
L77000E 78175N	Soil	0.68	41.28	9.66	68.5	576	22.3	11.8	548	2.57	3.1	0.9	2.0	2.7	8.8	0.23	0.23	0.24	59	0.06	0.131
REP L77000E 78175N	QC	0.72	42.84	10.12	70.5	572	22.2	11.0	571	2.59	3.2	0.8	1.3	2.9	8.8	0.24	0.23	0.27	59	0.06	0.133
L77000E 78500N	Soil	0.57	18.63	33.30	115.4	660	10.4	7.9	659	2.15	5.6	0.4	2.0	1.4	19.2	1.44	1.11	0.69	43	0.16	0.115
REP L77000E 78500N	QC	0.62	19.96	35.30	123.5	692	11.2	8.3	686	2.24	5.9	0.4	3.0	1.5	20.1	1.54	1.18	0.71	45	0.17	0.119
L77300E 78275N	Soil	0.65	35.90	17.57	126.3	308	23.6	10.0	396	3.23	3.8	1.0	12.9	4.4	20.4	0.40	0.30	0.51	57	0.12	0.138
REP L77300E 78275N	QC	0.64	34.65	17.07	124.0	312	23.6	10.3	395	3.24	3.9	1.0	13.3	4.2	20.1	0.39	0.31	0.47	57	0.12	0.142
L77100E 78250N	Soil	0.65	28.33	38.98	88.2	623	21.3	9.7	1152	2.60	6.2	0.5	2.6	1.9	14.4	0.69	1.16	0.43	59	0.15	0.118
REP L77100E 78250N	QC	0.58	26.55	37.24	84.1	573	21.8	9.4	1128	2.55	5.6	0.5	2.6	1.7	13.3	0.61	1.10	0.40	58	0.14	0.113
L77100E 78575N	Soil	0.82	9.11	97.80	140.5	237	8.2	4.8	756	2.52	15.2	0.6	3.9	1.9	17.0	1.41	2.31	0.68	41	0.16	0.180
REP L77100E 78575N	QC	0.81	8.92	94.50	144.7	242	7.3	4.7	767	2.59	15.3	0.6	3.2	2.0	17.4	1.38	2.40	0.67	42	0.17	0.179
L77500E 78225N	Soil	0.35	22.09	15.84	144.8	236	42.1	13.2	597	2.35	3.8	0.5	3.3	2.5	20.8	0.72	0.37	0.28	34	0.20	0.210
REP L77500E 78225N	QC	0.38	23.35	16.99	154.6	253	44.4	13.4	619	2.43	3.6	0.5	10.8	2.8	22.3	0.79	0.38	0.31	35	0.21	0.223
L77500E 78625N	Soil	0.55	8.41	30.30	200.9	228	9.8	6.6	523	2.17	5.4	0.4	23.8	2.1	10.9	2.89	0.86	0.46	29	0.08	0.305
REP L77500E 78625N	QC	0.60	8.53	30.79	205.7	227	10.2	6.6	538	2.20	5.7	0.5	8.8	2.2	11.0	2.96	0.86	0.49	29	0.08	0.313
L77750E 78125N	Soil	0.91	126.3	47.14	174.7	1324	33.2	16.7	1403	3.00	8.8	4.1	11.1	2.2	58.2	2.47	2.06	0.46	67	0.78	0.053
REP L77750E 78125N	QC	0.99	126.5	49.04	177.0	1348	32.5	16.4	1426	3.04	8.9	4.1	16.8	2.1	58.6	2.69	2.10	0.47	68	0.79	0.055
L77750E 78775N	Soil	1.58	17.01	13.93	77.5	413	9.5	5.2	253	2.00	3.7	8.4	0.9	3.5	16.5	0.81	0.61	0.35	33	0.13	0.149
REP L77750E 78775N	QC	1.60	17.64	14.36	78.8	397	9.3	5.4	256	2.03	3.7	8.7	0.4	3.7	17.5	0.93	0.71	0.36	33	0.13	0.156
L77800E 78300N	Soil	0.42	6.78	44.74	366.2	172	8.7	5.7	1053	1.81	5.7	0.5	6.3	1.9	28.4	6.31	0.71	1.29	31	0.27	0.096
REP L77800E 78300N	QC	0.41	6.93	43.94	362.5	189	8.9	5.8	1048	1.81	5.7	0.5	5.5	1.9	29.2	6.55	0.74	1.29	31	0.29	0.100
L77800E 78850N	Soil	0.37	10.45	18.05	176.7	201	15.2	8.0	476	2.47	2.0	0.7	1.5	3.8	28.9	1.59	0.20	0.32	44	0.20	0.076
REP L77800E 78850N	QC	0.37	10.64	17.93	176.2	226	15.5	8.3	471	2.46	2.1	0.7	<0.2	3.7	29.4	1.59	0.21	0.31	44	0.20	0.076
L78200E 78675N	Soil	0.36	12.00	34.88	89.3	177	11.3	7.3	327	1.95	7.1	0.8	6.5	2.8	20.7	0.78	0.94	0.37	34	0.21	0.073
REP L78200E 78675N	QC	0.36	12.29	37.00	92.1	175	11.8	7.4	343	1.99	7.3	0.8	4.0	3.1	20.9	0.76	1.01	0.40	35	0.21	0.075
Reference Materials																					
STD DS8	Standard	12.21	111.9	109.6	297.1	1628	38.9	7.4	587	2.34	23.7	2.3	101.6	5.6	60.1	2.34	5.46	6.16	34	0.65	0.077
STD DS8	Standard	12.76	112.6	111.5	296.8	1636	38.6	7.5	580	2.46	23.5	2.3	98.8	5.6	63.2	2.37	5.51	6.15	36	0.69	0.080
STD DS8	Standard	12.94	103.1	114.1	287.6	1621	35.9	7.1	586	2.30	24.6	2.5	102.3	6.5	62.5	2.24	5.22	6.07	38	0.67	0.077

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125A - 1030 Denman Street
Vancouver BC V6G 2M6 Canada

Project: Athabasca
Report Date: August 26, 2011

QUALITY CONTROL REPORT VAN11003471.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																		
L77000E 78175N	Soil	6.0	31.9	0.61	92.1	0.148	<1	3.58	0.004	0.06	0.3	3.1	0.10	0.02	51	0.3	0.05	8.9
REP L77000E 78175N	QC	6.1	33.6	0.63	93.8	0.152	<1	3.66	0.005	0.06	0.3	3.5	0.11	0.02	48	0.2	0.03	9.1
L77000E 78500N	Soil	4.3	23.7	0.28	115.2	0.095	<1	1.61	0.010	0.05	0.4	1.5	0.12	<0.02	72	0.3	0.07	8.9
REP L77000E 78500N	QC	4.6	25.2	0.30	123.7	0.100	<1	1.70	0.011	0.05	0.5	1.8	0.12	<0.02	64	0.2	0.10	9.7
L77300E 78275N	Soil	11.5	33.0	0.78	111.8	0.122	<1	3.23	0.003	0.14	0.7	3.2	0.17	<0.02	61	0.2	0.08	10.5
REP L77300E 78275N	QC	11.3	33.1	0.78	111.3	0.120	1	3.21	0.003	0.14	0.7	3.2	0.17	<0.02	51	0.3	0.04	9.7
L77100E 78250N	Soil	4.9	37.8	0.57	92.6	0.121	1	2.66	0.009	0.07	0.5	2.0	0.16	<0.02	87	0.4	0.04	8.7
REP L77100E 78250N	QC	4.8	33.7	0.56	89.8	0.111	1	2.65	0.009	0.07	0.4	1.9	0.15	<0.02	90	0.3	0.03	8.3
L77100E 78575N	Soil	5.0	12.6	0.24	73.0	0.130	1	2.09	0.010	0.09	0.4	1.4	0.15	<0.02	109	0.4	0.06	11.4
REP L77100E 78575N	QC	5.4	12.2	0.24	73.1	0.138	2	2.06	0.010	0.09	0.6	1.4	0.16	<0.02	95	0.8	0.09	11.6
L77500E 78225N	Soil	7.8	45.7	0.69	187.6	0.143	<1	2.58	0.014	0.10	0.8	1.8	0.13	<0.02	30	0.2	<0.02	7.0
REP L77500E 78225N	QC	8.5	47.3	0.72	200.5	0.146	2	2.66	0.015	0.10	0.6	1.9	0.14	<0.02	39	0.2	<0.02	7.6
L77500E 78625N	Soil	4.9	16.0	0.21	139.9	0.115	1	2.78	0.007	0.06	0.7	1.4	0.10	<0.02	53	0.1	<0.02	8.8
REP L77500E 78625N	QC	5.1	16.8	0.22	147.5	0.119	<1	2.83	0.007	0.06	0.8	1.5	0.11	<0.02	69	0.2	<0.02	9.0
L77750E 78125N	Soil	14.4	52.4	0.89	204.2	0.129	2	2.42	0.015	0.21	1.3	3.5	0.26	<0.02	202	1.0	0.03	6.6
REP L77750E 78125N	QC	14.5	56.5	0.91	201.9	0.130	2	2.44	0.016	0.21	1.4	3.6	0.27	<0.02	191	0.8	0.03	7.1
L77750E 78775N	Soil	8.3	9.7	0.25	104.0	0.160	<1	3.97	0.018	0.09	0.6	2.6	0.16	<0.02	82	0.4	<0.02	10.1
REP L77750E 78775N	QC	9.0	9.9	0.28	106.7	0.177	<1	3.89	0.020	0.09	0.8	3.0	0.16	<0.02	99	0.5	0.06	9.8
L77800E 78300N	Soil	6.2	13.6	0.28	303.5	0.094	<1	1.49	0.015	0.10	1.4	1.3	0.14	<0.02	58	0.3	0.03	6.2
REP L77800E 78300N	QC	6.3	13.5	0.29	317.7	0.097	<1	1.50	0.015	0.10	1.3	1.3	0.14	<0.02	60	0.2	<0.02	6.3
L77800E 78850N	Soil	9.4	24.7	0.66	244.1	0.133	<1	2.25	0.010	0.24	0.5	1.8	0.26	<0.02	26	0.3	<0.02	7.3
REP L77800E 78850N	QC	9.5	24.9	0.66	244.0	0.132	<1	2.19	0.010	0.24	0.5	1.9	0.25	<0.02	35	0.2	<0.02	7.4
L78200E 78675N	Soil	9.5	21.0	0.48	99.7	0.099	<1	1.41	0.013	0.12	1.0	1.7	0.17	<0.02	38	0.2	0.03	5.5
REP L78200E 78675N	QC	9.8	21.2	0.50	102.1	0.104	2	1.42	0.013	0.12	1.0	1.6	0.19	<0.02	33	0.4	0.02	5.8
Reference Materials																		
STD DS8	Standard	13.3	117.5	0.58	246.1	0.119	3	0.87	0.079	0.38	2.9	1.9	4.72	0.15	192	4.7	4.44	4.3
STD DS8	Standard	13.9	118.1	0.61	253.1	0.122	2	0.90	0.084	0.40	2.7	2.0	4.88	0.16	182	4.9	4.66	4.3
STD DS8	Standard	14.9	109.3	0.57	256.7	0.108	6	0.86	0.080	0.38	2.8	2.0	4.97	0.14	195	5.1	4.61	4.5

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Client: **Hellix Ventures Inc.**
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Vancouver BC V6G 2M6 Canada

Project: Athabasca
Report Date: August 26, 2011

QUALITY CONTROL REPORT VAN11003471.1

		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
STD DS8	Standard	13.56	107.2	113.1	298.7	1656	37.6	7.6	594	2.42	25.7	2.6	121.9	6.7	63.9	2.40	5.43	6.14	40	0.71	0.084
STD DS8	Standard	12.19	104.5	123.7	306.2	1731	36.2	7.2	594	2.43	26.1	2.8	106.9	7.0	67.0	2.41	5.61	6.58	42	0.67	0.081
STD DS8	Standard	12.02	105.9	121.7	309.1	1676	35.8	7.3	601	2.44	25.6	2.7	107.5	7.1	66.9	2.40	5.42	6.69	42	0.66	0.083
STD DS8	Standard	12.94	106.3	118.5	305.6	1732	36.7	7.2	616	2.48	24.8	2.5	114.4	6.4	64.1	2.34	4.92	6.20	39	0.70	0.080
STD DS8	Standard	11.34	102.4	114.6	293.1	1617	34.0	6.8	561	2.35	23.0	2.4	103.4	5.9	55.4	2.17	4.71	6.14	36	0.63	0.078
STD DS8	Standard	13.27	112.1	129.9	313.1	1799	38.6	7.9	607	2.51	24.4	2.9	119.0	7.2	62.3	2.36	5.50	6.63	42	0.73	0.079
STD DS8	Standard	13.89	116.4	131.9	321.0	1802	39.4	8.0	625	2.53	24.6	2.9	111.6	7.2	63.0	2.43	5.35	6.66	42	0.73	0.077
STD DS8	Standard	12.40	107.5	112.8	293.3	1618	34.5	7.0	606	2.30	23.6	2.4	104.5	5.9	56.2	2.18	4.52	6.08	38	0.65	0.069
STD DS8	Standard	12.12	108.8	115.6	293.5	1619	36.4	7.4	571	2.30	23.3	2.3	106.8	6.2	55.3	2.13	4.09	6.23	39	0.65	0.071
STD DS8	Standard	11.97	108.3	121.0	328.1	1849	38.5	7.5	604	2.50	25.8	2.5	108.0	6.4	64.5	2.28	5.51	6.50	41	0.70	0.085
STD DS8	Standard	14.02	111.9	135.2	351.6	1906	39.8	7.8	662	2.62	27.8	3.0	122.9	7.4	71.5	2.54	5.78	7.54	43	0.74	0.091
STD DS8	Standard	12.74	107.0	123.6	311.4	1720	36.2	7.2	583	2.33	24.2	2.8	106.6	7.0	62.0	2.28	4.56	6.52	38	0.69	0.076
STD DS8 Expected		13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001

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QUALITY CONTROL REPORT VAN11003471.1

		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
STD DS8	Standard	15.5	114.4	0.60	268.3	0.117	<1	0.91	0.086	0.40	2.8	2.2	5.09	0.14	200	5.1	4.82	4.8
STD DS8	Standard	14.7	107.0	0.60	273.7	0.113	2	0.90	0.087	0.41	3.0	2.2	5.08	0.15	216	5.1	4.91	4.5
STD DS8	Standard	14.2	111.2	0.60	271.5	0.108	2	0.89	0.084	0.41	2.7	2.0	5.06	0.15	212	5.4	4.88	4.6
STD DS8	Standard	15.3	113.6	0.61	262.5	0.111	4	0.90	0.086	0.40	2.8	2.2	5.30	0.16	188	5.5	5.07	5.0
STD DS8	Standard	13.2	103.9	0.57	236.3	0.096	2	0.82	0.074	0.38	2.7	2.1	5.22	0.14	186	5.1	5.09	4.6
STD DS8	Standard	16.3	118.3	0.61	270.8	0.118	3	0.93	0.088	0.42	3.1	2.4	6.04	0.17	185	5.4	4.94	4.8
STD DS8	Standard	17.0	121.4	0.62	278.3	0.117	3	0.92	0.089	0.42	3.2	2.2	5.96	0.17	186	5.7	5.35	5.3
STD DS8	Standard	13.4	113.8	0.58	240.1	0.101	2	0.87	0.078	0.40	2.5	1.9	4.91	0.15	170	4.6	4.69	4.5
STD DS8	Standard	13.4	113.7	0.58	245.6	0.102	2	0.86	0.078	0.40	2.5	2.0	5.05	0.15	191	4.6	4.64	4.3
STD DS8	Standard	13.2	118.1	0.62	263.9	0.101	4	0.94	0.099	0.43	3.0	2.0	5.18	0.16	190	5.3	4.66	4.7
STD DS8	Standard	16.0	129.3	0.65	315.9	0.114	3	1.04	0.094	0.46	2.9	2.3	5.88	0.17	204	5.8	5.58	5.3
STD DS8	Standard	16.3	110.4	0.58	257.4	0.111	2	0.88	0.087	0.39	2.7	2.2	5.08	0.15	227	4.9	4.77	4.7
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Hellix Ventures Inc.**
125A - 1030 Denman Street
Vancouver BC V6G 2M6 Canada

Submitted By: Edis Findla
Receiving Lab: Canada-Vancouver
Received: July 27, 2011
Report Date: August 26, 2011
Page: 1 of 7

CERTIFICATE OF ANALYSIS VAN11003492.1

CLIENT JOB INFORMATION

Project: Athabasca
Shipment ID:
P.O. Number
Number of Samples: 166

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	166	Dry at 60C			VAN
SS80	166	Dry at 60C sieve 100g to -80 mesh			VAN
1F03	165	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Hellix Ventures Inc.
125A - 1030 Denman Street
Vancouver BC V6G 2M6
Canada

CC: Perry Grunenberg

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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: **Hellix Ventures Inc.**
125A - 1030 Denman Street
Vancouver BC V6G 2M6 Canada

Project: Athabasca
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003492.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
L78400E 78150N	Soil	2.03	16.45	62.44	426.7	261	16.3	13.5	2001	2.84	20.0	0.4	19.8	1.4	36.5	11.35	1.57	0.83	54	0.39	0.136
L78400E 78175N	Soil	1.33	10.49	41.64	387.5	139	9.7	6.4	636	2.08	11.9	0.5	7.0	2.5	27.3	5.97	1.08	0.62	33	0.26	0.193
L78400E 78200N	Soil	1.13	14.28	113.8	253.2	145	7.9	5.7	2265	1.68	39.2	0.4	4.5	1.5	26.5	11.26	3.61	0.60	26	0.26	0.184
L78400E 78225N	Soil	2.59	8.34	94.20	154.1	269	5.3	7.4	1226	1.61	5.9	0.6	5.6	1.4	13.6	2.54	1.75	0.56	29	0.09	0.033
L78400E 78250N	Soil	4.61	16.77	53.70	367.4	252	18.2	8.5	448	3.14	4.7	2.0	36.4	5.5	23.2	2.87	1.18	1.37	46	0.19	0.104
L78400E 78275N	Soil	1.90	9.63	49.74	550.3	507	16.7	8.4	690	2.57	9.4	0.6	64.7	2.8	19.2	5.66	1.35	0.80	41	0.14	0.200
L78400E 78300N	Soil	1.56	10.04	60.75	1462	296	27.8	13.5	763	3.38	11.4	0.8	7.7	2.7	24.5	11.50	0.97	1.11	53	0.15	0.255
L78400E 78325N	Soil	1.05	10.36	52.74	678.0	235	15.8	7.6	675	2.54	5.8	0.9	88.2	3.1	25.2	10.88	1.26	1.37	39	0.25	0.139
L78400E 78350N	Soil	1.10	10.21	31.09	882.6	109	15.1	8.2	739	2.56	6.1	0.8	2.5	3.3	19.4	7.24	0.60	0.74	40	0.16	0.159
L78400E 78375N	Soil	3.18	27.48	38.57	711.5	385	20.6	11.1	829	3.20	6.4	1.8	8.5	4.1	42.9	7.48	0.51	1.50	50	0.35	0.144
L78400E 78400N	Soil	2.86	19.03	45.99	682.0	341	16.3	9.0	789	2.80	7.0	1.4	8.5	3.6	39.0	7.97	0.61	1.31	42	0.39	0.156
L78400E 78425N	Soil	1.37	12.14	97.98	521.1	638	9.0	6.6	1113	2.35	10.4	1.0	91.4	2.8	28.5	9.82	1.97	5.22	34	0.29	0.174
L78400E 78450N	Soil	0.86	10.81	23.15	360.3	548	7.2	4.6	995	1.81	7.8	0.7	<0.2	2.4	17.8	9.41	1.31	1.00	26	0.15	0.306
L78400E 78475N	Soil	0.62	9.11	59.93	252.4	210	7.9	5.9	1011	1.67	17.7	0.4	2.2	1.3	20.6	4.60	1.36	0.71	28	0.13	0.129
L78400E 78500N	Soil	0.41	8.87	24.81	141.7	105	9.6	5.6	267	1.76	6.5	0.5	1.3	3.2	22.5	2.52	0.72	0.38	31	0.22	0.134
L78400E 78525N	Soil	0.57	7.25	20.48	149.6	232	7.7	5.9	742	1.73	7.1	0.4	0.3	2.3	17.6	4.11	0.68	0.39	27	0.13	0.215
L78400E 78550N	Soil	0.32	9.81	13.63	117.8	143	9.2	6.2	712	1.71	3.6	0.5	24.2	2.8	22.6	1.34	0.51	0.34	28	0.17	0.174
L78400E 78575N	Soil	0.30	9.77	33.83	150.0	186	8.7	6.7	634	1.68	8.1	0.5	1.4	2.4	15.0	1.23	0.99	0.42	26	0.11	0.207
L78400E 78600N	Soil	0.48	16.42	17.41	142.0	260	12.3	8.9	681	1.98	7.2	0.6	14.1	2.9	25.4	1.48	0.98	0.31	33	0.18	0.237
L78400E 78625N	Soil	0.42	15.99	13.14	103.5	104	14.0	8.3	269	2.10	3.9	0.6	5.2	3.3	21.6	0.84	0.63	0.34	37	0.19	0.116
L78400E 78650N	Soil	0.27	7.67	18.48	121.4	120	7.5	5.2	416	1.50	5.7	0.4	2.3	2.8	16.4	1.57	0.61	0.34	24	0.14	0.180
L78400E 78675N	Soil	0.23	9.49	12.73	94.2	174	10.0	5.5	291	1.60	3.1	0.6	0.6	3.4	20.2	0.87	0.65	0.33	26	0.17	0.152
L78400E 78700N	Soil	0.29	11.23	22.26	96.7	146	10.7	6.8	379	1.70	5.0	0.4	5.0	3.1	21.0	0.93	0.71	0.32	31	0.19	0.110
L78400E 78725N	Soil	0.28	13.63	15.68	79.7	188	9.7	6.7	479	1.59	6.0	0.4	128.5	2.5	18.0	1.06	0.72	0.38	31	0.16	0.089
L78400E 78750N	Soil	0.29	13.02	16.95	124.0	190	10.9	6.4	402	1.86	4.0	0.6	<0.2	3.4	22.1	1.47	0.97	0.34	31	0.18	0.191
L78400E 78775N	Soil	0.23	22.43	30.02	84.8	90	11.5	7.9	350	2.02	2.7	0.9	6.1	3.8	38.9	1.20	0.64	0.32	37	0.38	0.076
L78400E 78800N	Soil	0.18	10.07	21.64	58.9	80	7.7	5.3	244	1.58	4.0	0.5	4.0	3.0	22.5	0.52	0.81	0.26	29	0.21	0.094
L78400E 78825N	Soil	0.44	38.58	48.30	94.2	177	15.3	12.0	918	2.63	9.4	0.6	11.2	2.2	36.8	1.39	0.92	0.42	50	0.38	0.116
L78400E 78850N	Soil	0.22	12.53	47.60	80.9	174	10.0	6.2	395	1.63	3.5	0.7	12.5	3.7	31.7	1.12	0.41	0.72	31	0.34	0.119
L78400E 78875N	Soil	0.25	14.00	78.02	65.6	229	9.5	5.4	229	1.55	4.0	0.7	26.8	3.6	33.0	0.69	0.61	0.54	32	0.35	0.107

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Client: **Hellix Ventures Inc.**
125A - 1030 Denman Street
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Project: Athabasca
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003492.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
L78400E 78150N	Soil	4.9	24.1	0.54	231.2	0.141	1	1.98	0.016	0.13	3.2	2.0	0.24	0.06	72	0.2	0.08	8.6
L78400E 78175N	Soil	5.9	13.7	0.35	166.5	0.116	<1	2.22	0.012	0.10	2.4	1.3	0.16	<0.02	53	0.1	0.04	8.1
L78400E 78200N	Soil	4.9	10.6	0.19	268.4	0.095	2	1.72	0.013	0.09	1.5	1.0	0.17	0.02	77	0.1	0.06	6.8
L78400E 78225N	Soil	8.7	9.0	0.15	114.7	0.088	<1	1.13	0.013	0.05	1.5	0.9	0.14	<0.02	65	<0.1	<0.02	6.6
L78400E 78250N	Soil	12.8	24.0	0.58	177.5	0.145	1	3.43	0.007	0.11	8.3	2.6	0.22	<0.02	51	<0.1	0.06	9.3
L78400E 78275N	Soil	4.5	19.2	0.35	266.5	0.204	1	3.27	0.012	0.07	1.0	1.4	0.14	<0.02	68	0.2	0.07	11.1
L78400E 78300N	Soil	9.2	49.3	0.61	361.7	0.252	<1	2.58	0.010	0.09	1.0	1.6	0.15	<0.02	50	<0.1	0.04	12.3
L78400E 78325N	Soil	7.0	16.5	0.35	296.9	0.159	<1	2.98	0.015	0.10	1.4	2.0	0.21	<0.02	58	0.2	0.02	10.0
L78400E 78350N	Soil	7.2	20.0	0.43	231.9	0.136	1	2.68	0.012	0.11	1.9	2.0	0.19	<0.02	45	<0.1	0.03	8.9
L78400E 78375N	Soil	15.5	31.2	0.75	283.0	0.160	<1	3.00	0.014	0.23	4.6	2.9	0.25	<0.02	56	0.3	0.13	9.3
L78400E 78400N	Soil	12.6	22.4	0.63	266.3	0.151	1	2.80	0.014	0.21	6.4	2.3	0.29	<0.02	63	0.2	0.09	8.7
L78400E 78425N	Soil	7.0	10.4	0.24	160.4	0.161	2	3.08	0.019	0.09	5.8	2.1	0.20	0.02	102	<0.1	0.12	9.6
L78400E 78450N	Soil	5.0	8.1	0.15	192.0	0.148	2	3.04	0.019	0.06	0.9	2.0	0.15	<0.02	76	0.2	0.03	8.3
L78400E 78475N	Soil	5.3	13.4	0.24	135.0	0.104	2	1.05	0.014	0.06	0.8	1.3	0.14	<0.02	42	<0.1	<0.02	6.2
L78400E 78500N	Soil	7.4	14.1	0.36	107.3	0.072	<1	1.43	0.011	0.07	0.9	1.2	0.10	<0.02	26	<0.1	0.02	4.8
L78400E 78525N	Soil	5.0	12.4	0.18	159.0	0.112	<1	1.81	0.012	0.05	0.5	1.4	0.15	<0.02	42	0.1	<0.02	6.7
L78400E 78550N	Soil	6.8	14.3	0.28	164.5	0.089	<1	1.76	0.013	0.07	0.8	1.6	0.15	<0.02	35	<0.1	<0.02	5.6
L78400E 78575N	Soil	5.3	14.0	0.22	175.7	0.091	<1	1.75	0.010	0.06	0.6	1.3	0.19	<0.02	40	<0.1	<0.02	6.1
L78400E 78600N	Soil	5.5	17.4	0.27	173.1	0.112	<1	2.69	0.013	0.06	0.7	2.0	0.17	<0.02	58	0.2	0.03	6.7
L78400E 78625N	Soil	7.3	22.6	0.47	141.5	0.093	<1	1.87	0.009	0.09	1.4	1.8	0.13	<0.02	28	<0.1	<0.02	5.3
L78400E 78650N	Soil	6.7	14.0	0.28	119.4	0.067	<1	1.20	0.011	0.06	0.8	1.2	0.10	<0.02	35	<0.1	<0.02	4.3
L78400E 78675N	Soil	8.0	14.3	0.29	136.6	0.086	<1	1.85	0.012	0.07	1.1	1.8	0.13	<0.02	36	<0.1	<0.02	5.1
L78400E 78700N	Soil	8.1	17.7	0.38	80.2	0.083	<1	1.38	0.011	0.07	1.2	1.3	0.10	<0.02	28	<0.1	0.03	4.7
L78400E 78725N	Soil	7.5	16.4	0.37	78.4	0.080	<1	1.09	0.013	0.06	0.9	1.3	0.11	<0.02	24	<0.1	0.02	4.2
L78400E 78750N	Soil	8.2	16.8	0.37	162.0	0.100	<1	2.09	0.013	0.08	0.9	2.0	0.13	<0.02	22	<0.1	<0.02	5.8
L78400E 78775N	Soil	13.1	23.5	0.55	90.5	0.085	<1	1.10	0.013	0.13	1.1	1.8	0.15	<0.02	18	<0.1	<0.02	3.7
L78400E 78800N	Soil	9.6	16.8	0.37	56.1	0.072	<1	0.89	0.011	0.07	0.8	1.3	0.11	<0.02	14	<0.1	<0.02	3.5
L78400E 78825N	Soil	9.5	33.8	0.76	130.2	0.101	<1	1.31	0.012	0.17	1.1	1.8	0.17	<0.02	41	<0.1	0.07	4.6
L78400E 78850N	Soil	14.1	17.9	0.46	101.3	0.066	<1	0.83	0.015	0.16	1.7	1.5	0.13	<0.02	32	<0.1	0.10	3.1
L78400E 78875N	Soil	13.1	17.6	0.43	64.5	0.068	<1	0.75	0.015	0.12	1.7	1.3	0.12	<0.02	46	<0.1	0.04	2.9

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Project: Athabasca
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003492.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
L78400E 78900N	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.
L78500E 78150N	Soil	2.25	32.15	73.98	2199	248	17.1	13.6	467	3.26	3.3	1.3	12.6	5.2	29.0	3.86	0.11	1.04	60	0.29	0.096
L78500E 78175N	Soil	1.00	11.94	50.16	838.4	178	8.7	7.7	2173	1.98	5.5	0.5	3.0	2.0	19.8	10.85	1.14	0.48	33	0.19	0.214
L78500E 78200N	Soil	3.55	13.48	278.4	1469	803	12.2	9.6	1309	2.50	3.1	1.6	5.1	4.6	18.4	9.07	0.27	1.27	36	0.18	0.213
L78500E 78225N	Soil	1.69	12.00	91.54	529.7	819	7.8	6.9	434	2.17	7.0	0.5	28.2	2.3	16.0	3.86	1.48	2.76	37	0.16	0.093
L78500E 78250N	Soil	3.46	7.53	63.85	502.4	575	6.2	5.6	642	1.96	5.9	0.6	23.8	2.2	10.8	3.77	0.76	1.27	30	0.09	0.131
L78500E 78275N	Soil	6.13	11.17	18.59	711.9	277	9.6	5.8	331	2.21	6.8	4.8	1.9	3.2	20.8	9.35	1.40	0.35	32	0.23	0.124
L78500E 78300N	Soil	2.64	14.21	22.12	318.0	267	12.1	5.3	218	2.38	3.9	3.3	1.9	3.5	10.7	2.98	0.81	0.62	40	0.09	0.125
L78500E 78325N	Soil	0.98	8.66	16.73	318.9	138	12.2	6.1	863	2.18	5.2	0.7	<0.2	2.7	12.7	3.79	1.07	0.39	37	0.10	0.170
L78500E 78350N	Soil	0.91	10.87	24.20	179.9	182	11.4	6.1	697	2.21	4.0	0.9	0.9	3.0	21.2	3.59	0.82	0.53	37	0.19	0.227
L78500E 78375N	Soil	16.71	9.41	31.10	276.5	233	8.1	5.0	844	1.54	8.4	0.5	1.6	2.0	33.3	11.10	0.86	0.76	27	0.28	0.098
L78500E 78400N	Soil	0.88	10.25	18.75	347.4	331	11.7	6.7	262	2.55	6.7	1.1	0.6	3.5	23.8	3.70	0.49	0.58	39	0.21	0.194
L78500E 78425N	Soil	0.88	8.14	17.89	262.9	368	10.2	5.8	233	2.07	4.1	1.0	<0.2	3.2	23.5	8.27	0.74	0.41	34	0.19	0.148
L78500E 78450N	Soil	1.20	10.21	15.26	205.9	208	10.9	6.2	416	2.12	5.5	0.5	0.4	2.8	22.1	5.08	1.37	0.36	36	0.17	0.200
L78500E 78475N	Soil	0.91	8.47	16.81	239.4	227	11.2	6.6	1129	1.86	6.8	0.6	<0.2	3.1	31.0	8.90	0.78	0.41	29	0.25	0.213
L78500E 78500N	Soil	1.20	7.51	22.96	209.7	437	7.7	6.3	708	1.88	10.4	0.5	0.2	2.2	9.4	3.49	0.77	0.38	30	0.07	0.171
L78500E 78525N	Soil	1.42	8.62	22.61	463.8	683	10.0	5.8	813	2.06	6.2	0.8	0.7	3.1	14.9	8.60	0.96	0.38	33	0.11	0.152
L78500E 78550N	Soil	0.81	9.85	14.50	414.9	327	12.2	6.5	700	2.06	3.6	0.9	<0.2	3.4	14.1	8.00	0.82	0.38	33	0.12	0.105
L78500E 78575N	Soil	0.57	13.40	14.58	341.1	708	12.1	6.8	446	2.13	4.0	0.7	9.4	3.2	16.3	4.42	0.50	0.47	37	0.14	0.123
L78500E 78600N	Soil	0.42	15.93	13.41	169.5	266	14.0	7.8	238	2.19	2.5	1.1	2.3	3.8	19.4	3.26	0.19	0.29	37	0.16	0.101
L78500E 78625N	Soil	0.51	12.46	16.26	196.3	527	11.3	6.1	543	2.02	3.1	0.8	2.9	3.2	13.6	3.22	0.39	0.38	34	0.11	0.149
L78500E 78650N	Soil	0.76	11.76	22.21	182.3	556	9.9	6.0	427	1.97	3.8	1.0	<0.2	3.0	14.1	3.50	1.41	0.32	30	0.11	0.208
L78500E 78675N	Soil	0.53	11.96	23.10	282.8	391	14.6	7.6	1231	2.28	4.6	0.8	9.7	3.2	15.0	5.50	1.34	0.37	38	0.13	0.190
L78500E 78700N	Soil	0.52	10.62	34.39	333.0	387	11.3	6.7	1426	1.99	10.9	0.4	0.7	2.2	15.2	7.00	1.22	0.45	37	0.10	0.153
L78500E 78725N	Soil	0.47	12.37	26.44	201.7	587	11.0	7.6	795	2.02	13.9	0.5	1.1	3.0	17.8	2.96	2.00	0.44	35	0.14	0.206
L78500E 78750N	Soil	0.33	15.56	17.86	99.3	281	14.4	8.7	303	2.18	4.1	0.4	10.8	2.4	18.2	0.99	0.85	0.30	39	0.15	0.118
L78500E 78775N	Soil	0.27	15.34	14.12	92.7	147	12.5	7.8	317	1.78	2.4	0.5	10.3	2.8	19.0	0.59	0.45	0.32	33	0.17	0.067
L78500E 78800N	Soil	0.36	9.91	12.30	87.1	281	11.3	6.7	299	2.06	2.1	0.5	<0.2	2.7	18.8	0.63	0.68	0.37	36	0.14	0.138
L78500E 78825N	Soil	0.34	7.81	35.30	139.9	186	7.9	5.6	464	1.66	8.1	0.4	1.8	2.2	20.8	1.28	0.69	0.44	29	0.24	0.198
L78500E 78850N	Soil	0.24	14.39	8.20	86.1	267	10.2	6.1	204	1.93	0.6	1.8	71.8	4.8	22.1	0.54	0.11	0.35	35	0.19	0.058

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Project: Athabasca
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003492.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
L78400E 78900N	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.
L78500E 78150N	Soil	13.1	26.5	0.90	189.6	0.143	1	2.27	0.010	0.21	3.6	3.1	0.31	<0.02	35	0.2	0.04	7.8
L78500E 78175N	Soil	5.6	11.3	0.24	279.0	0.123	<1	1.88	0.015	0.07	0.8	1.3	0.20	<0.02	64	0.1	<0.02	8.2
L78500E 78200N	Soil	13.1	19.3	0.40	118.1	0.124	2	2.48	0.011	0.08	2.1	2.4	0.19	<0.02	51	0.2	<0.02	9.9
L78500E 78225N	Soil	5.1	10.5	0.19	158.1	0.133	2	2.16	0.015	0.06	2.2	1.4	0.14	<0.02	57	<0.1	0.04	9.0
L78500E 78250N	Soil	6.9	12.4	0.19	125.5	0.102	5	1.42	0.010	0.06	0.7	1.2	0.16	<0.02	66	0.4	0.04	9.9
L78500E 78275N	Soil	8.1	13.3	0.24	77.0	0.168	6	4.37	0.013	0.07	0.8	1.9	0.11	0.02	38	0.5	<0.02	11.3
L78500E 78300N	Soil	7.2	14.4	0.28	101.4	0.162	4	3.72	0.012	0.08	0.7	2.8	0.16	<0.02	57	0.5	0.07	11.6
L78500E 78325N	Soil	5.3	16.4	0.25	201.0	0.133	5	3.15	0.013	0.07	0.6	1.7	0.18	<0.02	39	0.2	0.06	10.0
L78500E 78350N	Soil	5.5	12.2	0.22	233.8	0.142	6	3.66	0.016	0.07	0.5	1.8	0.17	<0.02	50	<0.1	0.08	10.9
L78500E 78375N	Soil	8.4	11.2	0.20	242.7	0.080	7	1.54	0.020	0.07	1.0	1.4	0.15	<0.02	34	0.4	0.13	7.0
L78500E 78400N	Soil	9.4	15.6	0.41	178.0	0.108	5	2.62	0.013	0.13	1.1	1.9	0.17	<0.02	42	<0.1	0.07	10.1
L78500E 78425N	Soil	6.2	9.9	0.17	212.9	0.176	4	3.68	0.024	0.06	0.5	2.3	0.13	<0.02	53	0.1	0.03	11.5
L78500E 78450N	Soil	4.4	13.0	0.21	157.7	0.143	4	3.67	0.016	0.07	0.8	1.6	0.14	<0.02	48	0.4	0.04	9.7
L78500E 78475N	Soil	8.1	13.8	0.23	271.3	0.140	6	2.29	0.017	0.10	0.6	1.9	0.18	<0.02	45	0.2	0.12	8.8
L78500E 78500N	Soil	4.6	11.8	0.13	108.5	0.152	3	2.39	0.012	0.05	0.3	1.3	0.14	<0.02	42	0.3	0.06	10.6
L78500E 78525N	Soil	6.1	9.8	0.13	209.5	0.178	3	3.82	0.018	0.05	0.4	1.9	0.16	<0.02	72	0.3	0.04	11.9
L78500E 78550N	Soil	7.3	12.9	0.25	176.1	0.140	4	3.61	0.015	0.07	0.5	2.1	0.21	<0.02	47	0.4	<0.02	9.3
L78500E 78575N	Soil	7.9	16.4	0.33	146.1	0.120	3	2.88	0.012	0.07	0.8	2.1	0.17	<0.02	47	0.3	0.02	8.2
L78500E 78600N	Soil	9.6	18.5	0.37	163.9	0.140	5	3.54	0.016	0.08	0.6	3.2	0.17	<0.02	53	0.2	0.03	8.9
L78500E 78625N	Soil	8.2	14.5	0.27	153.7	0.131	4	3.15	0.012	0.06	0.8	2.3	0.17	<0.02	65	0.4	<0.02	9.0
L78500E 78650N	Soil	6.9	9.8	0.13	150.0	0.173	3	4.14	0.014	0.05	0.3	1.9	0.17	<0.02	68	0.3	0.04	12.0
L78500E 78675N	Soil	7.8	20.0	0.29	250.7	0.138	4	3.02	0.013	0.08	0.4	2.4	0.23	<0.02	52	0.2	0.05	9.7
L78500E 78700N	Soil	5.8	15.1	0.17	246.8	0.139	3	2.50	0.014	0.05	0.4	1.6	0.19	<0.02	38	0.2	0.09	9.8
L78500E 78725N	Soil	6.8	16.1	0.24	204.1	0.142	3	2.71	0.012	0.07	0.9	2.1	0.20	<0.02	81	0.4	0.08	8.7
L78500E 78750N	Soil	6.2	24.0	0.37	86.0	0.084	4	1.95	0.010	0.08	1.1	2.2	0.13	<0.02	31	0.1	0.06	5.6
L78500E 78775N	Soil	8.2	18.8	0.43	122.7	0.098	2	1.42	0.013	0.09	0.9	1.7	0.14	<0.02	13	0.4	0.06	5.4
L78500E 78800N	Soil	6.6	17.0	0.26	163.0	0.128	6	2.54	0.016	0.08	0.8	2.0	0.14	<0.02	24	0.3	0.03	8.3
L78500E 78825N	Soil	6.3	13.7	0.20	238.0	0.101	3	1.44	0.015	0.08	0.5	1.4	0.13	<0.02	38	0.2	<0.02	8.0
L78500E 78850N	Soil	13.2	17.3	0.40	141.4	0.099	<1	1.74	0.017	0.13	0.9	2.4	0.14	<0.02	23	0.1	<0.02	5.3

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CERTIFICATE OF ANALYSIS VAN11003492.1

		Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
L78500E 78875N	Soil		0.20	18.72	8.07	50.2	116	14.9	7.7	253	2.08	1.5	0.6	54.1	4.3	33.9	0.30	0.15	0.29	40	0.27	0.082
L78500E 78900N	Soil		0.40	30.13	16.48	86.2	262	17.8	10.6	459	2.61	4.1	2.2	4.6	4.9	47.6	1.10	0.56	0.39	52	0.54	0.122
L78600E 78400N	Soil		1.93	9.56	134.3	437.0	416	8.1	6.1	1183	1.91	8.9	0.7	23.2	2.0	46.0	18.00	2.31	1.48	32	0.55	0.134
L78600E 78425N	Soil		0.64	6.91	43.85	470.8	269	5.9	5.8	1116	1.58	9.4	0.4	1.6	1.6	29.8	13.53	1.25	0.51	27	0.25	0.178
L78600E 78450N	Soil		0.57	6.13	20.76	300.6	179	6.4	4.4	675	1.48	8.4	0.7	1.2	2.2	17.1	4.74	0.93	0.54	22	0.13	0.261
L78600E 78475N	Soil		0.78	14.65	17.45	216.8	600	11.0	5.3	198	2.02	4.1	2.9	0.2	4.2	16.8	3.51	0.47	0.45	30	0.13	0.147
L78600E 78500N	Soil		0.61	8.45	25.04	360.1	430	8.2	5.2	682	1.83	10.7	1.3	4.4	3.2	15.5	4.48	0.84	0.37	28	0.14	0.400
L78600E 78525N	Soil		0.62	7.86	32.28	275.1	595	4.8	4.3	587	1.95	10.3	0.4	<0.2	1.7	11.3	3.85	0.89	0.46	36	0.09	0.110
L78600E 78550N	Soil		0.47	6.65	61.24	198.4	217	7.0	6.4	781	2.12	14.4	0.3	4.0	1.8	12.5	2.21	1.76	0.49	41	0.14	0.153
L78600E 78575N	Soil		0.42	6.99	33.94	273.2	344	7.8	5.4	924	1.67	4.8	0.3	4.2	2.1	18.7	4.58	0.83	0.91	28	0.15	0.124
L78600E 78600N	Soil		0.69	8.31	38.01	214.5	319	7.4	5.5	1098	1.90	14.4	0.5	2.3	2.3	11.1	4.72	1.43	0.46	29	0.09	0.281
L78600E 78625N	Soil		0.98	10.42	37.12	229.7	529	11.9	7.4	794	2.27	6.2	0.7	2.8	2.6	16.4	6.46	0.78	0.48	36	0.12	0.129
L78600E 78650N	Soil		0.31	11.98	12.97	199.4	257	9.9	6.9	554	1.90	4.8	0.3	4.5	1.9	12.5	3.83	0.78	0.34	33	0.12	0.184
L78600E 78675N	Soil		0.49	13.73	58.90	224.7	346	10.1	7.3	931	2.16	13.8	0.4	3.8	2.2	11.0	4.98	2.06	0.50	37	0.10	0.292
L78600E 78700N	Soil		0.49	21.04	24.34	160.4	953	14.6	8.5	687	2.08	8.2	0.5	3.8	2.4	12.5	1.63	1.18	0.38	37	0.11	0.197
L78600E 78725N	Soil		0.36	27.37	20.55	124.2	297	13.8	9.7	507	2.25	3.8	0.8	7.3	3.4	23.2	2.02	0.51	0.37	40	0.23	0.144
L78600E 78750N	Soil		0.58	34.20	24.54	431.3	278	23.7	11.0	819	2.55	5.1	0.5	0.7	2.7	17.5	6.12	0.96	0.42	45	0.17	0.133
L78600E 78775N	Soil		0.44	14.48	14.58	197.1	362	13.6	7.7	1107	1.64	4.0	0.4	2.1	2.1	19.3	2.60	0.70	0.29	28	0.14	0.197
L78600E 78800N	Soil		0.73	15.97	14.46	187.1	496	13.0	6.6	793	1.93	8.1	0.9	0.3	3.2	11.9	2.57	1.40	0.27	30	0.09	0.247
L78600E 78825N	Soil		0.43	21.16	15.77	122.0	257	15.5	8.4	385	2.14	6.1	0.5	26.8	3.2	16.5	1.08	0.86	0.29	37	0.13	0.159
L78600E 78850N	Soil		0.40	13.13	12.96	119.0	285	11.9	7.5	251	1.92	6.1	0.5	<0.2	2.5	13.0	1.02	0.79	0.28	30	0.11	0.240
L78600E 78875N	Soil		0.45	26.90	13.42	119.3	406	18.6	11.4	311	2.47	4.1	0.4	2.1	2.3	17.2	0.75	0.87	0.45	45	0.12	0.124
L78600E 78900N	Soil		0.41	17.76	14.55	110.1	234	16.9	9.8	302	2.23	5.1	0.5	1.0	2.6	17.8	1.30	1.39	0.31	38	0.15	0.231
L77500E 78675N	Soil		0.43	7.08	12.62	138.6	244	10.1	6.0	524	1.80	5.4	0.3	5.4	2.1	13.3	2.50	0.70	0.27	29	0.14	0.203
L77500E 78700N	Soil		0.74	6.94	12.26	200.6	362	8.1	5.5	972	1.82	4.2	0.6	8.9	2.4	12.4	6.30	0.56	0.25	25	0.10	0.304
L77500E 78725N	Soil		0.80	11.10	26.26	183.2	390	13.1	6.9	557	2.09	5.2	1.1	0.9	3.1	12.8	4.06	0.86	0.43	30	0.10	0.231
L77500E 78750N	Soil		0.81	13.63	25.25	132.7	356	18.3	9.9	401	2.53	3.2	1.6	3.6	2.6	24.7	4.39	0.46	0.41	40	0.34	0.105
L77500E 78775N	Soil		0.81	10.73	44.32	126.6	227	14.8	7.2	589	2.14	3.7	4.6	2.6	2.1	27.0	6.42	0.41	0.42	34	0.38	0.119
L77500E 78800N	Soil		0.77	14.35	35.13	149.3	268	16.4	7.3	1440	1.90	3.1	11.1	3.0	1.9	45.1	6.84	0.60	0.33	31	0.67	0.189
L77500E 78825N	Soil		0.84	11.37	38.66	99.6	174	4.7	4.3	1482	1.20	5.9	0.3	0.7	1.3	7.1	1.93	1.10	0.34	20	0.05	0.218

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Project: Athabasca
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003492.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
L78500E 78875N	Soil	15.5	23.8	0.65	180.3	0.091	2	1.24	0.014	0.15	1.4	1.6	0.13	<0.02	<5	0.2	0.02	3.9
L78500E 78900N	Soil	20.1	33.0	0.81	168.0	0.108	1	1.49	0.019	0.27	1.4	2.5	0.30	<0.02	39	0.4	0.07	5.1
L78600E 78400N	Soil	6.9	11.5	0.27	209.7	0.124	5	2.31	0.015	0.10	1.2	1.7	0.22	0.03	98	0.5	0.08	9.3
L78600E 78425N	Soil	5.4	9.4	0.15	251.8	0.113	2	1.58	0.017	0.08	0.2	1.2	0.17	<0.02	86	<0.1	0.06	7.6
L78600E 78450N	Soil	5.1	8.2	0.16	141.0	0.106	2	1.78	0.018	0.09	0.6	1.4	0.16	<0.02	47	0.4	0.03	6.8
L78600E 78475N	Soil	10.3	11.7	0.23	120.5	0.147	3	3.72	0.020	0.07	0.6	2.8	0.14	<0.02	50	0.4	0.07	10.1
L78600E 78500N	Soil	5.7	10.5	0.20	142.5	0.128	2	3.15	0.015	0.06	0.4	1.8	0.12	<0.02	60	0.3	<0.02	8.9
L78600E 78525N	Soil	5.2	9.5	0.17	176.1	0.175	1	1.32	0.014	0.07	0.2	1.0	0.16	<0.02	38	0.2	<0.02	10.6
L78600E 78550N	Soil	4.8	11.3	0.27	128.0	0.124	2	2.07	0.014	0.07	0.4	1.3	0.17	<0.02	63	0.3	0.04	8.8
L78600E 78575N	Soil	6.9	10.9	0.30	222.6	0.090	1	1.39	0.011	0.07	1.0	1.4	0.20	<0.02	37	0.2	0.06	7.5
L78600E 78600N	Soil	3.8	9.4	0.16	130.2	0.135	1	2.69	0.007	0.06	0.4	1.1	0.16	<0.02	71	0.5	0.06	9.1
L78600E 78625N	Soil	5.7	13.5	0.20	190.9	0.184	1	3.57	0.010	0.07	0.6	1.6	0.17	<0.02	67	0.2	0.05	10.9
L78600E 78650N	Soil	4.9	16.2	0.28	122.6	0.102	1	1.90	0.007	0.05	1.0	1.3	0.11	<0.02	32	0.3	0.05	5.8
L78600E 78675N	Soil	4.0	15.4	0.19	194.1	0.155	2	2.76	0.008	0.05	0.6	1.7	0.15	<0.02	63	0.3	0.10	9.0
L78600E 78700N	Soil	4.3	17.5	0.32	127.5	0.140	3	2.86	0.010	0.08	0.7	1.8	0.16	<0.02	70	<0.1	0.09	7.9
L78600E 78725N	Soil	10.1	24.6	0.44	121.6	0.101	<1	1.73	0.009	0.12	1.1	1.8	0.14	<0.02	24	0.1	0.07	5.3
L78600E 78750N	Soil	5.5	28.5	0.49	218.4	0.156	2	2.69	0.010	0.13	0.5	1.9	0.22	<0.02	35	<0.1	0.09	7.7
L78600E 78775N	Soil	5.2	13.8	0.23	266.7	0.131	2	2.07	0.013	0.08	0.3	1.6	0.16	<0.02	42	0.5	0.08	7.4
L78600E 78800N	Soil	6.5	11.5	0.14	160.6	0.172	1	4.09	0.012	0.05	0.5	2.2	0.15	<0.02	47	0.2	0.05	9.2
L78600E 78825N	Soil	5.7	20.2	0.36	132.0	0.119	<1	2.55	0.009	0.10	1.0	1.6	0.14	<0.02	36	<0.1	0.05	6.8
L78600E 78850N	Soil	4.5	15.7	0.23	143.4	0.123	<1	2.55	0.009	0.06	0.8	1.5	0.12	<0.02	43	<0.1	<0.02	7.2
L78600E 78875N	Soil	4.7	26.5	0.41	146.4	0.149	<1	2.60	0.010	0.08	0.7	1.8	0.13	<0.02	24	<0.1	0.07	7.7
L78600E 78900N	Soil	4.8	22.6	0.31	141.4	0.134	<1	2.90	0.009	0.07	0.9	1.8	0.13	<0.02	50	0.2	0.04	7.8
L77500E 78675N	Soil	4.7	14.2	0.20	99.7	0.103	<1	2.27	0.009	0.07	0.4	1.2	0.11	<0.02	50	0.2	<0.02	7.5
L77500E 78700N	Soil	3.1	8.2	0.10	188.6	0.141	1	3.79	0.007	0.04	0.3	1.3	0.09	0.02	83	0.3	0.04	9.0
L77500E 78725N	Soil	6.0	12.8	0.19	164.1	0.144	<1	3.84	0.007	0.06	0.6	1.9	0.12	<0.02	83	0.4	<0.02	9.5
L77500E 78750N	Soil	7.4	22.7	0.31	111.1	0.168	<1	3.29	0.014	0.10	0.6	1.8	0.15	<0.02	68	0.4	0.03	10.0
L77500E 78775N	Soil	10.5	20.0	0.23	93.3	0.148	<1	2.43	0.016	0.09	0.5	1.5	0.14	<0.02	39	0.4	0.03	8.4
L77500E 78800N	Soil	10.1	24.8	0.30	113.3	0.135	1	2.33	0.016	0.10	0.5	1.6	0.14	0.03	58	0.7	<0.02	7.8
L77500E 78825N	Soil	3.5	7.3	0.06	101.2	0.101	<1	1.44	0.013	0.03	0.2	1.0	0.11	<0.02	54	0.3	0.04	6.9

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CERTIFICATE OF ANALYSIS VAN11003492.1

		Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
L77500E 78850N	Soil		1.36	7.64	12.23	123.7	264	6.7	5.8	850	1.95	4.7	0.6	<0.2	2.4	6.8	1.34	0.95	0.24	29	0.05	0.444
L77500E 78875N	Soil		3.21	15.62	27.32	106.9	210	29.1	8.6	780	2.30	3.2	4.2	9.0	2.5	41.6	1.25	0.42	0.26	38	0.42	0.203
L77500E 78900N	Soil		1.54	15.13	28.11	108.9	285	30.5	9.8	868	2.44	3.6	8.8	2.0	3.5	50.3	2.19	0.38	0.29	41	0.55	0.201
L78000E 78250N	Soil		1.33	10.11	63.70	55.7	296	7.8	6.1	769	1.55	4.1	1.0	66.6	1.9	29.7	0.78	0.57	0.39	27	0.34	0.112
L78000E 78275N	Soil		0.23	12.76	16.41	58.7	106	9.7	6.5	356	1.73	2.1	1.2	8.0	4.1	38.2	0.65	0.13	0.28	31	0.42	0.136
L78000E 78300N	Soil		0.49	16.04	12.85	103.0	216	12.8	7.5	378	2.07	2.6	1.0	7.6	3.4	16.1	0.99	0.54	0.30	35	0.13	0.127
L78000E 78325N	Soil		0.43	8.37	11.33	143.4	159	12.0	7.3	783	1.87	2.1	0.4	2.4	2.6	15.0	1.15	0.32	0.26	32	0.12	0.168
L78000E 78350N	Soil		0.44	12.71	18.96	124.4	141	14.4	7.2	262	2.04	3.9	0.9	*	2.6	18.6	1.03	0.95	0.50	35	0.15	0.112
L78000E 78375N	Soil		0.63	11.35	16.22	152.3	199	13.8	8.3	378	2.26	4.1	1.3	4.0	3.8	13.1	1.09	1.26	0.32	37	0.10	0.201
L78000E 78400N	Soil		0.57	8.95	15.78	131.6	358	7.7	5.8	251	1.88	3.0	0.5	<0.2	2.5	13.0	1.10	0.41	0.29	30	0.09	0.158
L78000E 78425N	Soil		0.67	11.47	31.03	169.4	182	15.1	9.2	485	2.32	9.1	1.0	4.1	4.4	42.8	1.67	1.41	0.44	36	0.34	0.170
L78000E 78450N	Soil		0.50	7.87	19.18	182.1	150	9.0	5.3	999	1.70	7.5	0.5	2.4	3.1	21.1	1.39	0.86	0.32	25	0.15	0.308
L78000E 78475N	Soil		0.40	11.74	20.48	135.0	362	12.8	6.6	323	1.89	2.9	1.0	2.6	3.3	25.9	1.03	0.27	0.33	29	0.19	0.119
L78000E 78500N	Soil		0.27	8.68	16.65	76.1	140	9.4	4.8	300	1.52	2.3	0.9	3.0	3.9	27.7	0.50	0.22	0.25	25	0.25	0.101
L78000E 78525N	Soil		0.26	10.14	10.58	70.1	108	11.0	5.9	227	1.73	1.5	0.5	3.4	2.7	22.7	0.69	0.23	0.19	30	0.17	0.031
L78000E 78550N	Soil		0.64	14.14	16.02	109.3	345	12.4	6.7	354	2.17	4.7	0.9	1.0	3.2	16.1	1.37	0.77	0.47	32	0.13	0.265
L78000E 78575N	Soil		0.90	9.84	25.36	191.3	437	9.6	5.7	702	2.08	7.6	2.2	0.4	3.1	19.9	5.15	1.18	0.51	28	0.13	0.238
L78000E 78600N	Soil		0.39	7.15	16.66	232.9	198	8.4	5.4	742	1.92	6.1	0.5	<0.2	1.8	27.2	3.66	0.73	0.42	28	0.16	0.220
L78000E 78625N	Soil		0.34	11.32	19.69	123.3	202	10.7	6.1	406	2.23	2.6	0.8	0.9	2.9	23.7	1.12	0.30	0.38	34	0.18	0.088
L78000E 78650N	Soil		0.43	11.46	34.92	200.7	321	12.2	6.3	408	2.52	4.7	0.9	3.8	3.1	25.4	1.45	0.53	0.47	38	0.21	0.119
L78000E 78675N	Soil		0.58	10.03	15.30	131.4	252	12.0	6.9	1186	2.52	2.0	0.8	<0.2	2.3	18.3	1.11	0.64	0.40	39	0.14	0.084
L78000E 78700N	Soil		0.58	8.75	23.87	194.7	108	14.3	6.7	627	2.46	3.7	0.5	5.1	2.1	26.3	1.29	0.49	0.33	35	0.20	0.250
L78000E 78725N	Soil		0.54	7.45	20.49	153.5	112	12.3	6.3	369	2.40	7.8	0.5	2.3	2.4	15.7	1.86	0.94	0.29	36	0.11	0.193
L78000E 78750N	Soil		0.43	9.10	22.44	162.9	172	9.8	5.9	1279	1.96	4.1	0.7	<0.2	2.2	19.0	2.28	0.33	0.34	27	0.13	0.287
L78000E 78775N	Soil		0.41	8.79	22.26	187.1	215	12.1	7.4	504	2.76	6.9	0.7	<0.2	2.6	18.7	0.96	0.64	0.32	41	0.19	0.099
L78000E 78800N	Soil		0.51	6.82	18.22	242.5	324	11.8	6.2	456	2.47	3.7	0.7	0.6	2.3	18.9	1.51	0.46	0.46	37	0.17	0.133
L78000E 78825N	Soil		0.48	12.72	16.10	109.5	630	12.7	6.2	207	2.37	2.8	2.8	<0.2	4.9	23.5	1.02	0.36	0.39	38	0.21	0.129
L78000E 78850N	Soil		0.34	7.80	16.56	115.3	311	12.5	6.6	377	2.22	4.7	0.8	0.3	2.9	33.1	1.34	0.86	0.38	35	0.32	0.143
L78000E 78875N	Soil		0.40	9.14	27.32	189.3	411	9.8	6.1	646	2.29	6.2	0.8	1.0	2.3	25.4	1.90	1.27	0.40	34	0.21	0.119
L78000E 78900N	Soil		0.43	11.09	27.95	193.4	278	10.5	6.7	759	2.57	6.1	3.1	<0.2	2.9	33.2	1.79	0.64	0.55	37	0.28	0.197

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
L77500E 78850N	Soil	3.9	8.8	0.08	95.6	0.151	<1	4.31	0.007	0.03	0.5	1.3	0.10	0.04	69	0.1	<0.02	9.9
L77500E 78875N	Soil	15.4	41.4	0.71	235.2	0.138	1	2.50	0.016	0.22	0.6	2.0	0.19	0.02	64	0.5	<0.02	7.4
L77500E 78900N	Soil	18.9	51.5	0.78	217.1	0.162	2	2.73	0.016	0.28	0.5	2.5	0.23	0.02	42	0.2	<0.02	7.7
L78000E 78250N	Soil	13.9	15.8	0.41	95.5	0.061	<1	0.81	0.014	0.15	1.6	1.4	0.16	<0.02	685	<0.1	<0.02	3.5
L78000E 78275N	Soil	16.5	17.5	0.46	103.8	0.075	<1	0.92	0.015	0.22	1.3	1.7	0.17	<0.02	16	<0.1	0.03	3.5
L78000E 78300N	Soil	8.6	20.4	0.31	128.7	0.127	<1	2.75	0.012	0.07	0.9	2.5	0.14	<0.02	46	0.3	<0.02	7.4
L78000E 78325N	Soil	6.5	16.6	0.28	117.3	0.092	<1	1.85	0.008	0.09	0.9	1.5	0.16	<0.02	49	<0.1	<0.02	6.1
L78000E 78350N	Soil	7.5	15.8	0.49	106.2	0.107	<1	1.69	0.008	0.13	1.2	1.5	0.18	<0.02	78	1.1	0.08	4.4
L78000E 78375N	Soil	8.0	17.8	0.30	114.6	0.133	<1	3.10	0.008	0.08	1.0	2.2	0.14	<0.02	55	0.3	<0.02	8.5
L78000E 78400N	Soil	5.8	11.9	0.15	130.7	0.117	<1	2.31	0.011	0.06	0.4	1.5	0.12	<0.02	73	<0.1	0.02	8.0
L78000E 78425N	Soil	5.9	17.6	0.31	141.6	0.154	2	3.70	0.015	0.10	1.0	2.2	0.21	<0.02	59	0.1	<0.02	9.2
L78000E 78450N	Soil	5.2	12.6	0.16	224.1	0.131	<1	2.44	0.012	0.07	0.5	1.7	0.17	<0.02	52	<0.1	0.03	8.1
L78000E 78475N	Soil	10.3	18.4	0.35	148.1	0.115	<1	2.39	0.014	0.11	1.1	2.2	0.18	<0.02	45	0.1	0.03	6.9
L78000E 78500N	Soil	13.3	16.3	0.40	106.0	0.082	<1	1.22	0.009	0.13	0.9	1.5	0.17	<0.02	17	0.2	<0.02	4.4
L78000E 78525N	Soil	7.8	15.8	0.43	116.2	0.093	<1	1.38	0.009	0.17	0.6	1.5	0.19	<0.02	<5	0.2	0.04	4.8
L78000E 78550N	Soil	7.1	14.4	0.29	149.3	0.147	3	3.63	0.010	0.09	0.8	2.0	0.16	0.03	52	<0.1	0.02	9.1
L78000E 78575N	Soil	8.6	13.7	0.18	172.3	0.155	2	3.57	0.013	0.07	0.6	1.7	0.17	<0.02	72	0.4	0.04	9.2
L78000E 78600N	Soil	5.4	12.6	0.25	212.9	0.116	2	2.55	0.012	0.11	0.5	1.3	0.17	<0.02	31	<0.1	0.03	7.4
L78000E 78625N	Soil	8.9	16.9	0.45	127.6	0.095	1	2.31	0.010	0.16	0.7	1.6	0.20	<0.02	34	0.3	0.05	5.9
L78000E 78650N	Soil	8.7	16.2	0.43	194.1	0.126	2	2.87	0.010	0.17	0.7	2.0	0.21	<0.02	39	<0.1	0.06	7.4
L78000E 78675N	Soil	7.0	15.7	0.40	218.9	0.136	1	3.03	0.010	0.17	0.5	1.6	0.25	<0.02	42	0.3	<0.02	8.0
L78000E 78700N	Soil	6.4	17.4	0.42	208.3	0.127	2	2.68	0.012	0.14	0.5	1.4	0.17	<0.02	32	0.1	0.02	7.2
L78000E 78725N	Soil	5.0	18.5	0.32	142.5	0.141	1	3.01	0.010	0.13	0.7	1.5	0.17	<0.02	27	0.4	0.12	7.8
L78000E 78750N	Soil	6.0	13.8	0.28	269.3	0.125	3	2.37	0.011	0.14	0.6	1.4	0.21	<0.02	25	0.3	0.03	7.8
L78000E 78775N	Soil	5.9	16.3	0.66	125.0	0.143	2	2.41	0.009	0.25	0.7	1.5	0.26	<0.02	31	<0.1	0.02	7.5
L78000E 78800N	Soil	5.8	15.1	0.39	219.7	0.129	1	2.61	0.010	0.20	0.6	1.2	0.23	<0.02	43	0.2	0.03	7.6
L78000E 78825N	Soil	10.3	18.9	0.39	114.2	0.146	2	3.60	0.013	0.14	0.9	2.3	0.19	<0.02	63	0.4	<0.02	7.9
L78000E 78850N	Soil	6.5	17.4	0.35	173.8	0.150	3	2.71	0.014	0.15	0.6	1.5	0.19	<0.02	36	<0.1	0.03	8.1
L78000E 78875N	Soil	5.5	14.0	0.33	190.5	0.144	1	2.91	0.014	0.13	0.6	1.3	0.21	<0.02	55	0.2	0.03	8.1
L78000E 78900N	Soil	15.4	13.8	0.43	143.3	0.157	2	2.74	0.019	0.25	2.3	1.5	0.35	<0.02	38	0.2	0.04	7.3

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Project: Athabasca
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003492.1

		Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
L78200E 78150N	Soil		2.91	34.44	43.79	197.3	317	18.7	11.3	620	2.95	5.8	1.2	54.7	3.7	40.4	2.98	0.17	0.95	55	0.42	0.120
L78200E 78175N	Soil		2.68	40.48	42.43	229.1	844	17.2	12.3	707	3.02	6.7	1.6	54.3	3.0	37.1	5.24	0.19	0.91	59	0.46	0.136
L78200E 78200N	Soil		2.13	32.26	47.87	318.2	785	14.6	11.1	449	2.92	11.9	0.9	156.9	2.3	27.4	6.44	0.57	1.27	58	0.31	0.152
L78200E 78225N	Soil		1.44	13.62	81.90	436.3	336	13.4	9.2	587	2.66	7.7	0.5	27.7	2.0	32.7	4.60	0.54	1.07	45	0.32	0.151
L78200E 78250N	Soil		2.45	14.46	86.39	958.6	651	18.4	9.8	1143	2.94	13.0	1.1	15.3	2.2	28.2	11.65	0.74	1.66	44	0.24	0.205
L78200E 78275N	Soil		5.62	23.73	198.9	2685	1441	43.6	13.4	1207	3.78	48.2	4.2	39.1	4.5	23.6	35.05	0.87	3.36	52	0.22	0.186
L78200E 78300N	Soil		4.73	20.35	514.6	2829	1211	25.2	11.6	1268	3.50	23.4	4.1	57.1	3.4	28.2	21.02	1.48	7.62	48	0.24	0.207
L78200E 78325N	Soil		2.14	16.83	77.22	656.3	406	12.4	8.7	373	2.64	6.8	0.4	114.0	1.9	22.1	5.25	0.68	1.42	42	0.22	0.083
L78200E 78350N	Soil		4.45	19.87	156.1	1052	1541	13.7	8.9	848	2.84	5.8	1.4	52.9	3.2	23.6	7.67	0.55	3.35	44	0.21	0.112
L78200E 78375N	Soil		1.37	12.64	27.84	682.3	234	10.2	8.0	462	2.27	4.9	0.7	8.9	2.5	24.0	3.68	0.51	0.46	36	0.22	0.153
L78200E 78400N	Soil		0.90	18.49	19.94	159.1	120	12.9	9.5	267	2.38	5.5	0.3	8.3	1.4	25.2	1.71	0.70	0.25	45	0.22	0.097
L78200E 78425N	Soil		3.05	34.60	96.88	2138	634	21.4	14.1	993	3.45	11.9	4.7	29.0	3.2	37.5	12.89	1.02	0.90	53	0.35	0.195
L78200E 78450N	Soil		1.54	38.34	99.86	214.7	320	15.4	12.6	469	3.26	11.6	0.5	60.0	1.6	31.8	3.09	1.94	0.57	59	0.27	0.092
L78200E 78475N	Soil		0.45	52.69	45.21	162.8	366	23.5	19.1	760	3.77	5.4	0.8	108.3	1.3	36.7	2.29	0.93	0.40	76	0.38	0.095
L78200E 78500N	Soil		0.38	24.68	32.00	45.8	178	11.1	7.6	274	1.92	5.1	0.6	9.3	3.3	30.9	0.38	0.74	0.30	38	0.34	0.109
L78200E 78525N	Soil		0.47	422.3	93.79	174.7	5248	26.7	21.2	1669	4.01	31.4	0.6	123.4	1.3	48.6	1.76	11.61	0.25	69	0.47	0.109
L78300E 78150N	Soil		5.43	26.21	103.9	668.6	534	19.4	15.0	1334	3.52	15.3	0.7	177.1	2.3	23.1	7.11	1.32	2.15	69	0.29	0.098
L78300E 78175N	Soil		4.46	11.24	73.69	578.0	608	10.3	8.1	581	2.73	13.1	0.5	129.8	1.9	18.3	5.02	0.72	1.23	48	0.14	0.097
L78300E 78200N	Soil		3.75	11.30	127.0	960.6	621	11.1	8.3	1394	2.54	17.7	0.5	67.8	1.8	23.3	8.39	0.90	1.78	41	0.17	0.107
L78300E 78225N	Soil		10.49	20.19	255.9	1811	977	11.6	10.6	2092	3.28	15.4	2.3	77.4	2.6	31.4	31.66	1.19	3.44	45	0.34	0.097
L78300E 78250N	Soil		7.49	11.01	186.9	745.9	520	9.2	8.0	904	2.79	16.1	0.6	141.8	2.7	14.4	4.32	1.91	2.92	43	0.12	0.125
L78300E 78275N	Soil		25.40	33.75	427.5	2021	3277	11.2	19.9	3033	3.67	16.2	6.5	695.1	6.9	31.8	86.21	0.54	8.22	38	0.27	0.100
L78300E 78300N	Soil		3.93	14.19	106.4	985.5	386	15.1	9.4	898	2.89	8.0	0.8	12.7	3.1	31.1	7.49	1.30	2.90	45	0.30	0.093
L78300E 78325N	Soil		1.25	18.87	29.07	317.8	657	16.8	9.5	836	2.68	2.6	0.9	41.0	3.3	22.7	5.17	0.31	0.73	47	0.19	0.154
L78300E 78350N	Soil		0.73	10.82	41.69	284.5	253	11.0	7.0	1346	2.08	5.9	0.5	26.4	2.3	27.5	6.71	0.82	0.59	35	0.18	0.155
L78300E 78375N	Soil		0.99	9.92	82.81	455.5	178	13.2	7.1	1863	2.29	9.7	0.6	36.2	2.6	26.8	10.09	1.01	0.68	36	0.22	0.164
L78300E 78400N	Soil		0.78	20.91	33.63	278.0	170	24.3	10.4	601	2.56	4.1	0.8	6.9	3.3	29.7	2.80	0.60	0.51	47	0.22	0.104
L78300E 78425N	Soil		0.82	12.13	29.26	262.9	250	16.6	9.4	614	2.26	4.5	0.4	7.0	2.0	22.7	2.62	0.65	0.46	43	0.18	0.054
L78300E 78450N	Soil		0.61	10.21	15.97	206.3	270	12.4	7.0	521	2.02	4.7	0.6	1.5	2.7	28.9	3.35	0.67	0.37	33	0.21	0.228
L78300E 78475N	Soil		0.29	5.98	24.09	92.0	95	8.7	5.8	357	1.66	3.9	0.5	1.7	2.4	18.4	0.83	0.78	0.32	29	0.17	0.107

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
L78200E 78150N	Soil	14.7	34.7	0.93	94.7	0.097	1	1.70	0.011	0.26	3.6	2.7	0.22	<0.02	11	0.5	0.03	5.4
L78200E 78175N	Soil	16.2	32.0	0.94	88.0	0.104	1	1.86	0.013	0.29	3.9	3.1	0.26	<0.02	21	0.2	0.11	5.5
L78200E 78200N	Soil	7.3	19.6	0.68	119.2	0.123	1	2.89	0.014	0.18	3.5	2.4	0.21	<0.02	56	0.2	0.18	7.1
L78200E 78225N	Soil	5.7	22.4	0.50	126.6	0.091	1	2.23	0.010	0.13	4.8	1.8	0.18	<0.02	41	<0.1	0.09	6.6
L78200E 78250N	Soil	7.6	36.0	0.60	145.0	0.106	1	2.76	0.011	0.12	3.9	2.0	0.21	<0.02	64	0.3	0.04	8.6
L78200E 78275N	Soil	26.8	106.9	0.86	122.4	0.117	1	3.69	0.009	0.10	20.4	2.9	0.20	<0.02	63	0.2	0.13	10.2
L78200E 78300N	Soil	13.8	55.1	0.61	159.2	0.125	2	3.56	0.010	0.10	>100	2.5	0.18	<0.02	9	0.6	0.16	9.0
L78200E 78325N	Soil	6.0	27.4	0.45	68.1	0.076	<1	1.44	0.006	0.09	12.0	1.4	0.10	<0.02	33	0.6	0.08	4.6
L78200E 78350N	Soil	8.7	24.2	0.46	128.2	0.098	<1	2.37	0.009	0.12	18.6	1.7	0.19	<0.02	70	0.4	0.07	7.6
L78200E 78375N	Soil	7.1	20.3	0.44	87.8	0.073	1	1.51	0.008	0.09	2.5	1.4	0.13	<0.02	31	0.4	0.07	4.9
L78200E 78400N	Soil	5.0	31.3	0.47	68.7	0.082	<1	1.33	0.008	0.08	0.8	1.5	0.06	<0.02	25	0.4	0.09	4.7
L78200E 78425N	Soil	10.1	46.7	0.78	159.1	0.127	2	2.92	0.008	0.16	3.6	2.3	0.17	<0.02	72	0.6	0.13	7.6
L78200E 78450N	Soil	9.2	42.5	0.82	160.9	0.104	1	1.60	0.006	0.12	1.7	2.2	0.19	<0.02	79	0.1	0.11	5.8
L78200E 78475N	Soil	7.1	56.7	1.19	97.5	0.101	<1	1.55	0.006	0.14	1.6	2.5	0.08	<0.02	143	0.4	0.05	4.1
L78200E 78500N	Soil	11.8	23.0	0.45	75.7	0.072	<1	0.83	0.012	0.16	1.6	1.2	0.12	<0.02	17	0.1	<0.02	2.8
L78200E 78525N	Soil	7.0	65.8	0.95	111.5	0.087	1	1.23	0.005	0.22	0.7	2.3	0.12	0.02	174	0.5	0.12	3.5
L78300E 78150N	Soil	6.8	28.7	0.76	148.8	0.143	1	2.67	0.015	0.16	7.8	2.6	0.31	<0.02	37	0.3	0.16	9.7
L78300E 78175N	Soil	4.1	15.8	0.28	134.5	0.131	2	2.52	0.017	0.07	7.9	1.5	0.15	<0.02	44	<0.1	0.03	8.9
L78300E 78200N	Soil	5.7	19.0	0.38	184.7	0.109	2	1.98	0.013	0.09	11.0	1.7	0.21	<0.02	64	<0.1	0.04	9.2
L78300E 78225N	Soil	30.7	19.0	0.38	95.8	0.135	1	2.71	0.014	0.11	15.1	1.6	0.20	<0.02	86	0.4	0.25	10.4
L78300E 78250N	Soil	5.2	15.1	0.31	97.4	0.128	2	2.46	0.012	0.07	10.9	1.5	0.19	<0.02	72	0.2	0.30	10.0
L78300E 78275N	Soil	41.0	19.3	0.61	95.1	0.068	2	2.24	0.008	0.19	57.3	3.6	0.29	0.03	46	0.5	1.06	7.0
L78300E 78300N	Soil	8.1	21.0	0.48	213.1	0.155	2	2.48	0.015	0.11	15.7	1.9	0.23	<0.02	44	0.2	0.20	9.5
L78300E 78325N	Soil	7.9	25.1	0.57	205.7	0.132	1	2.60	0.013	0.15	3.5	2.3	0.23	<0.02	35	0.1	0.04	8.2
L78300E 78350N	Soil	6.0	17.4	0.34	285.5	0.110	<1	2.20	0.015	0.10	2.3	1.8	0.18	<0.02	47	0.1	0.03	7.2
L78300E 78375N	Soil	7.2	17.2	0.39	300.4	0.127	1	2.37	0.013	0.14	2.5	1.7	0.27	<0.02	60	0.2	0.04	8.2
L78300E 78400N	Soil	8.1	34.1	0.78	192.9	0.147	<1	2.39	0.011	0.12	1.9	2.2	0.18	<0.02	30	0.2	0.03	7.3
L78300E 78425N	Soil	6.8	27.8	0.62	138.4	0.123	<1	1.53	0.009	0.10	1.2	1.7	0.16	<0.02	22	0.2	<0.02	6.6
L78300E 78450N	Soil	5.7	17.0	0.34	181.1	0.129	<1	2.35	0.013	0.10	1.3	1.6	0.14	<0.02	51	0.3	<0.02	7.8
L78300E 78475N	Soil	7.1	16.6	0.40	94.8	0.087	<1	1.17	0.009	0.11	1.1	1.3	0.16	<0.02	27	<0.1	0.02	4.9

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
L78300E 78500N	Soil	0.50	10.92	14.58	127.7	258	9.2	6.8	407	2.05	4.4	0.5	0.7	3.0	15.5	1.36	0.71	0.37	33	0.11	0.206
L78300E 78525N	Soil	0.29	18.28	17.17	78.2	149	11.6	8.5	320	2.07	5.9	0.3	5.1	2.5	18.0	0.61	0.55	0.29	38	0.14	0.181
L78300E 78550N	Soil	0.71	17.91	12.93	159.7	222	27.2	11.4	320	2.71	9.0	0.5	0.8	2.7	22.3	1.28	0.94	0.28	49	0.16	0.428
L78300E 78575N	Soil	0.65	8.68	28.42	97.7	123	8.0	5.6	258	1.74	4.8	0.5	1.3	3.1	21.1	1.58	0.78	0.28	31	0.19	0.166
L78300E 78600N	Soil	1.12	56.39	15.43	85.6	156	27.9	20.0	518	4.00	8.8	0.4	21.6	2.1	38.2	0.94	0.77	0.25	92	0.37	0.127
L78300E 78625N	Soil	0.49	37.19	34.23	103.8	482	14.4	11.4	1935	2.48	7.6	0.5	13.2	2.0	30.0	2.06	1.11	0.36	45	0.27	0.172
L78300E 78650N	Soil	0.40	17.02	17.75	45.6	113	11.8	8.0	177	2.51	9.7	0.3	53.5	1.3	20.3	0.52	0.71	0.26	57	0.15	0.040
L78300E 78700N	Soil	0.53	18.05	34.13	151.9	448	12.3	6.3	496	2.08	7.8	10.2	2.4	3.1	27.5	5.51	1.43	0.54	38	0.23	0.062
L78300E 78725N	Soil	0.47	52.78	19.09	52.7	112	17.1	11.7	319	3.23	6.8	0.3	39.9	1.3	43.5	0.43	1.12	0.19	57	0.38	0.141
L78300E 78750N	Soil	0.28	19.92	11.48	67.3	69	18.3	9.0	380	1.78	4.2	0.6	3.1	3.7	22.4	0.52	0.25	0.31	35	0.29	0.109
L78300E 78775N	Soil	0.25	14.92	7.90	57.7	140	9.6	6.3	323	1.78	1.1	1.4	2.0	4.6	33.7	0.46	0.07	0.32	35	0.40	0.117
L78300E 78800N	Soil	0.27	7.76	56.46	149.6	118	8.7	5.2	415	1.35	8.3	0.3	1.2	2.2	21.9	0.94	0.54	0.39	23	0.20	0.083
L78300E 78825N	Soil	0.30	14.72	58.48	55.6	107	7.9	7.5	391	1.82	5.1	0.6	1.4	4.0	16.7	0.66	0.54	0.49	33	0.23	0.097
L78300E 78850N	Soil	0.22	9.66	15.60	96.6	168	11.3	6.6	422	1.73	2.8	0.8	1.5	3.2	26.9	1.03	0.25	0.51	31	0.26	0.107
L78300E 78875N	Soil	0.22	9.17	7.01	75.9	258	7.6	5.4	562	1.47	3.0	0.5	0.7	3.3	17.3	0.82	0.34	0.29	28	0.21	0.097
L78300E 78900N	Soil	0.23	10.33	8.27	82.4	116	10.1	5.9	300	1.60	0.9	0.6	1.3	3.0	28.5	0.61	0.18	0.38	31	0.25	0.071

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Project: Athabasca
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003492.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
L78300E 78500N	Soil	6.6	15.3	0.26	156.8	0.118	<1	2.17	0.011	0.06	1.5	1.6	0.15	<0.02	37	0.3	0.02	7.8
L78300E 78525N	Soil	6.4	23.9	0.46	87.4	0.073	<1	1.31	0.009	0.08	1.0	1.5	0.11	<0.02	25	<0.1	<0.02	4.5
L78300E 78550N	Soil	5.8	45.3	0.64	100.5	0.142	1	2.55	0.009	0.06	1.1	1.6	0.10	<0.02	52	0.4	<0.02	7.3
L78300E 78575N	Soil	7.6	15.0	0.26	95.9	0.079	<1	1.51	0.013	0.06	0.9	1.4	0.08	<0.02	49	0.2	<0.02	5.5
L78300E 78600N	Soil	6.3	64.7	1.46	91.9	0.148	<1	2.04	0.005	0.22	1.4	2.1	0.14	<0.02	26	0.2	0.10	5.6
L78300E 78625N	Soil	7.4	30.3	0.56	142.0	0.076	<1	1.44	0.009	0.11	1.1	1.7	0.15	<0.02	76	0.2	0.07	4.6
L78300E 78650N	Soil	4.1	37.6	0.53	25.1	0.095	<1	0.82	0.009	0.07	0.7	1.5	0.07	<0.02	23	0.2	0.05	4.4
L78300E 78700N	Soil	18.6	27.6	0.49	141.2	0.093	<1	1.85	0.010	0.14	1.3	2.1	0.19	<0.02	102	0.3	<0.02	5.8
L78300E 78725N	Soil	5.7	42.0	0.71	45.2	0.069	<1	0.95	0.005	0.12	0.6	2.0	0.05	<0.02	20	0.2	0.11	2.8
L78300E 78750N	Soil	9.8	32.8	0.64	69.2	0.072	<1	1.06	0.010	0.22	1.4	1.2	0.22	<0.02	19	0.1	<0.02	3.6
L78300E 78775N	Soil	16.7	18.1	0.50	105.6	0.068	<1	0.92	0.017	0.22	1.8	1.6	0.17	<0.02	8	0.2	<0.02	3.5
L78300E 78800N	Soil	6.4	14.4	0.28	156.6	0.066	<1	0.95	0.010	0.09	0.7	1.0	0.12	<0.02	20	0.2	0.02	4.0
L78300E 78825N	Soil	11.6	13.5	0.39	56.9	0.046	<1	0.77	0.009	0.13	2.8	1.0	0.13	<0.02	24	0.3	<0.02	2.8
L78300E 78850N	Soil	12.4	20.6	0.50	113.4	0.076	<1	0.92	0.012	0.16	1.1	1.4	0.14	<0.02	17	0.2	<0.02	3.6
L78300E 78875N	Soil	10.7	14.7	0.34	87.4	0.061	<1	0.80	0.014	0.10	1.1	1.2	0.11	<0.02	18	0.1	<0.02	3.3
L78300E 78900N	Soil	11.4	20.3	0.44	82.8	0.070	<1	0.99	0.011	0.12	1.0	1.2	0.14	<0.02	9	<0.1	<0.02	3.9

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Project: Athabasca
Report Date: August 26, 2011

QUALITY CONTROL REPORT VAN11003492.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Pulp Duplicates																					
L78400E 78175N	Soil	1.33	10.49	41.64	387.5	139	9.7	6.4	636	2.08	11.9	0.5	7.0	2.5	27.3	5.97	1.08	0.62	33	0.26	0.193
REP L78400E 78175N	QC	1.33	10.42	43.51	386.2	136	9.4	6.2	619	2.08	11.7	0.5	6.8	2.5	26.8	6.10	1.06	0.62	33	0.26	0.195
L78500E 78150N	Soil	2.25	32.15	73.98	2199	248	17.1	13.6	467	3.26	3.3	1.3	12.6	5.2	29.0	3.86	0.11	1.04	60	0.29	0.096
REP L78500E 78150N	QC	2.26	32.55	77.31	2215	246	17.1	13.9	459	3.31	3.5	1.4	11.7	5.4	28.6	3.92	0.11	1.04	62	0.30	0.099
L78500E 78725N	Soil	0.47	12.37	26.44	201.7	587	11.0	7.6	795	2.02	13.9	0.5	1.1	3.0	17.8	2.96	2.00	0.44	35	0.14	0.206
REP L78500E 78725N	QC	0.44	12.27	24.62	205.2	555	11.8	7.8	803	2.00	13.7	0.4	7.8	2.9	16.2	2.92	1.86	0.43	34	0.13	0.204
L78500E 78750N	Soil	0.33	15.56	17.86	99.3	281	14.4	8.7	303	2.18	4.1	0.4	10.8	2.4	18.2	0.99	0.85	0.30	39	0.15	0.118
REP L78500E 78750N	QC	0.33	15.37	17.45	97.9	301	14.0	8.4	296	2.14	4.1	0.4	11.0	2.5	18.5	0.97	0.88	0.30	38	0.15	0.120
L78600E 78750N	Soil	0.58	34.20	24.54	431.3	278	23.7	11.0	819	2.55	5.1	0.5	0.7	2.7	17.5	6.12	0.96	0.42	45	0.17	0.133
REP L78600E 78750N	QC	0.67	37.41	27.18	483.3	315	27.4	13.2	939	2.59	5.5	0.6	1.1	3.1	19.2	7.56	1.18	0.45	46	0.20	0.151
L78000E 78350N	Soil	0.44	12.71	18.96	124.4	141	14.4	7.2	262	2.04	3.9	0.9	*	2.6	18.6	1.03	0.95	0.50	35	0.15	0.112
REP L78000E 78350N	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
L78000E 78650N	Soil	0.43	11.46	34.92	200.7	321	12.2	6.3	408	2.52	4.7	0.9	3.8	3.1	25.4	1.45	0.53	0.47	38	0.21	0.119
REP L78000E 78650N	QC	0.44	11.47	34.66	202.9	314	12.0	7.1	413	2.36	5.3	0.9	2.9	2.7	26.0	1.58	0.61	0.46	37	0.21	0.123
L78200E 78350N	Soil	4.45	19.87	156.1	1052	1541	13.7	8.9	848	2.84	5.8	1.4	52.9	3.2	23.6	7.67	0.55	3.35	44	0.21	0.112
REP L78200E 78350N	QC	4.86	21.85	170.0	1137	1683	14.6	9.4	911	2.93	6.6	1.5	60.5	3.6	26.9	8.06	0.69	3.87	47	0.23	0.123
L78300E 78550N	Soil	0.71	17.91	12.93	159.7	222	27.2	11.4	320	2.71	9.0	0.5	0.8	2.7	22.3	1.28	0.94	0.28	49	0.16	0.428
REP L78300E 78550N	QC	0.73	18.71	13.19	177.9	230	27.2	12.2	334	2.79	9.4	0.5	4.4	2.9	22.3	1.32	1.03	0.29	51	0.16	0.399
Reference Materials																					
STD DS8	Standard	11.88	101.7	111.1	289.7	1667	33.3	6.7	563	2.48	23.9	2.5	100.8	6.0	59.7	2.06	4.88	5.76	40	0.69	0.075
STD DS8	Standard	11.58	100.4	112.0	271.9	1626	33.3	7.2	555	2.42	24.4	2.4	100.5	5.8	57.3	2.11	5.08	5.76	38	0.67	0.075
STD DS8	Standard	13.75	106.1	126.0	323.0	1860	38.9	7.4	624	2.49	24.7	2.8	114.9	7.1	69.0	2.51	5.26	6.54	41	0.73	0.076
STD DS8	Standard	12.97	105.0	125.9	313.9	1840	37.4	7.5	604	2.39	24.5	2.7	115.8	6.8	65.5	2.46	5.27	6.68	40	0.69	0.078
STD DS8	Standard	12.05	109.8	123.2	309.3	1763	37.1	7.4	620	2.48	26.6	2.7	117.1	6.7	67.5	2.49	5.65	6.74	40	0.69	0.082
STD DS8	Standard	12.77	111.6	128.0	308.3	1869	37.0	7.5	628	2.50	27.3	3.0	115.1	7.5	69.7	2.59	5.87	7.06	40	0.70	0.084
STD DS8	Standard	13.00	102.0	115.7	303.8	1753	37.4	7.5	604	2.46	23.8	2.6	109.2	6.6	68.0	2.39	5.40	6.26	41	0.76	0.086
STD DS8	Standard	12.90	102.3	117.6	295.9	1651	36.5	7.6	601	2.42	22.9	2.6	107.5	6.6	64.8	2.32	5.33	6.13	41	0.72	0.078
STD DS8	Standard	12.37	114.4	113.1	314.2	1673	39.7	8.0	608	2.53	24.2	2.4	111.4	6.1	59.9	2.26	4.99	6.24	41	0.71	0.077

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QUALITY CONTROL REPORT VAN11003492.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																		
L78400E 78175N	Soil	5.9	13.7	0.35	166.5	0.116	<1	2.22	0.012	0.10	2.4	1.3	0.16	<0.02	53	0.1	0.04	8.1
REP L78400E 78175N	QC	5.8	13.6	0.34	170.4	0.115	2	2.24	0.012	0.10	2.6	1.4	0.15	<0.02	53	0.1	0.05	7.9
L78500E 78150N	Soil	13.1	26.5	0.90	189.6	0.143	1	2.27	0.010	0.21	3.6	3.1	0.31	<0.02	35	0.2	0.04	7.8
REP L78500E 78150N	QC	13.6	26.7	0.92	189.5	0.146	<1	2.30	0.010	0.22	3.1	3.1	0.31	<0.02	30	0.2	0.02	7.7
L78500E 78725N	Soil	6.8	16.1	0.24	204.1	0.142	3	2.71	0.012	0.07	0.9	2.1	0.20	<0.02	81	0.4	0.08	8.7
REP L78500E 78725N	QC	6.1	14.7	0.26	196.8	0.134	10	2.68	0.012	0.07	0.8	2.1	0.18	<0.02	68	0.3	0.09	8.7
L78500E 78750N	Soil	6.2	24.0	0.37	86.0	0.084	4	1.95	0.010	0.08	1.1	2.2	0.13	<0.02	31	0.1	0.06	5.6
REP L78500E 78750N	QC	6.1	23.2	0.36	86.4	0.085	3	1.96	0.010	0.08	1.1	2.1	0.13	<0.02	20	0.3	0.08	5.3
L78600E 78750N	Soil	5.5	28.5	0.49	218.4	0.156	2	2.69	0.010	0.13	0.5	1.9	0.22	<0.02	35	<0.1	0.09	7.7
REP L78600E 78750N	QC	6.8	31.1	0.54	259.6	0.188	1	2.73	0.010	0.13	0.5	2.1	0.26	<0.02	32	0.4	0.11	8.8
L78000E 78350N	Soil	7.5	15.8	0.49	106.2	0.107	<1	1.69	0.008	0.13	1.2	1.5	0.18	<0.02	78	1.1	0.08	4.4
REP L78000E 78350N	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
L78000E 78650N	Soil	8.7	16.2	0.43	194.1	0.126	2	2.87	0.010	0.17	0.7	2.0	0.21	<0.02	39	<0.1	0.06	7.4
REP L78000E 78650N	QC	9.1	16.3	0.45	194.2	0.137	3	2.74	0.009	0.16	0.8	2.1	0.22	<0.02	32	0.3	0.11	7.4
L78200E 78350N	Soil	8.7	24.2	0.46	128.2	0.098	<1	2.37	0.009	0.12	18.6	1.7	0.19	<0.02	70	0.4	0.07	7.6
REP L78200E 78350N	QC	10.4	26.1	0.56	132.4	0.121	2	2.52	0.010	0.13	20.6	2.0	0.21	<0.02	72	0.2	<0.02	8.4
L78300E 78550N	Soil	5.8	45.3	0.64	100.5	0.142	1	2.55	0.009	0.06	1.1	1.6	0.10	<0.02	52	0.4	<0.02	7.3
REP L78300E 78550N	QC	6.4	46.4	0.65	110.3	0.150	<1	2.71	0.010	0.06	1.1	1.8	0.10	<0.02	58	0.2	<0.02	7.8
Reference Materials																		
STD DS8	Standard	13.6	109.6	0.61	260.3	0.106	3	0.90	0.086	0.41	2.6	1.8	4.87	0.15	200	4.8	4.67	4.3
STD DS8	Standard	12.7	108.4	0.59	254.2	0.101	2	0.86	0.082	0.40	2.7	1.8	4.85	0.15	134	4.6	4.32	4.1
STD DS8	Standard	17.4	114.4	0.61	278.8	0.114	4	0.94	0.093	0.41	3.0	2.4	5.69	0.16	201	5.8	5.63	5.1
STD DS8	Standard	16.7	109.3	0.59	271.3	0.107	4	0.91	0.088	0.39	3.0	2.2	5.62	0.16	192	5.3	5.29	4.8
STD DS8	Standard	14.3	112.3	0.61	268.2	0.111	3	0.90	0.084	0.41	2.8	2.1	5.31	0.16	210	5.2	5.26	4.4
STD DS8	Standard	15.4	113.9	0.62	291.4	0.116	2	0.92	0.086	0.42	3.1	2.2	5.54	0.16	216	5.5	5.33	4.6
STD DS8	Standard	15.2	113.9	0.61	263.9	0.114	3	0.95	0.097	0.43	2.7	2.1	5.19	0.16	198	5.0	5.20	4.7
STD DS8	Standard	15.7	115.2	0.60	258.9	0.119	4	0.96	0.102	0.43	2.8	2.2	4.99	0.16	207	4.7	4.97	4.6
STD DS8	Standard	13.7	114.6	0.61	251.9	0.111	2	0.90	0.084	0.42	2.8	1.9	5.26	0.17	180	5.1	4.85	4.5

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Project: Athabasca
Report Date: August 26, 2011

QUALITY CONTROL REPORT VAN11003492.1

		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Mo	**Cu**	**Pb**	**Zn**	**Ag**	**Ni**	**Co**	**Mn**	**Fe**	**As**	**U**	**Au**	**Th**	**Sr**	**Cd**	**Sb**	**Bi**	**V**	**Ca**	**P**
		ppm	**ppm**	**ppm**	**ppm**	**ppb**	**ppm**	**ppm**	**ppm**	**%**	**ppm**	**ppm**	**ppb**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**%**
		0.01	**0.01**	**0.01**	**0.1**	**2**	**0.1**	**0.1**	**1**	**0.01**	**0.1**	**0.1**	**0.2**	**0.1**	**0.5**	**0.01**	**0.02**	**0.02**	**2**	**0.01**	**0.001**
STD DS8	Standard	12.75	110.4	113.7	303.1	1735	38.5	7.5	598	2.47	25.4	2.5	109.8	6.1	59.8	2.25	5.01	6.15	40	0.69	0.080
STD DS8	Standard	12.80	113.4	120.3	319.8	1731	37.2	7.2	587	2.45	22.5	2.6	107.1	6.4	66.1	2.37	5.21	6.42	41	0.72	0.074
STD DS8	Standard	11.63	109.6	117.5	312.0	1662	37.3	7.3	605	2.41	26.2	2.6	104.0	6.7	66.1	2.38	5.66	6.54	38	0.66	0.080
STD DS8 Expected		13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001

AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
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Phone (604) 253-3158 Fax (604) 253-1716
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Client: **Hellix Ventures Inc.**
125A - 1030 Denman Street
Vancouver BC V6G 2M6 Canada

Project: Athabasca
Report Date: August 26, 2011

QUALITY CONTROL REPORT VAN11003492.1

		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
STD DS8	Standard	13.9	117.3	0.59	254.6	0.109	3	0.88	0.082	0.41	2.8	1.9	5.28	0.16	203	4.7	4.88	4.4
STD DS8	Standard	14.7	117.1	0.61	257.6	0.108	2	0.93	0.089	0.41	2.8	1.8	5.25	0.16	195	5.3	4.64	4.6
STD DS8	Standard	13.7	114.2	0.59	264.6	0.105	2	0.85	0.073	0.39	3.1	2.0	5.29	0.16	182	4.4	4.82	4.0
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1

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Client: **Hellix Ventures Inc.**
125A - 1030 Denman Street
Vancouver BC V6G 2M6 Canada

Submitted By: Edis Findla
Receiving Lab: Canada-Vancouver
Received: August 31, 2011
Report Date: September 14, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN11003472R.1

CLIENT JOB INFORMATION

Project: Athabasca
Shipment ID: Ath 1
P.O. Number
Number of Samples: 22

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
G601	19	Fire Assay fusion Au by ICP-ES	30	Completed	VAN
G6 Grav	3	Lead collection fire assay fusion - Grav finish	30	Completed	VAN

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

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

ADDITIONAL COMMENTS

Invoice To: Hellix Ventures Inc.
125A - 1030 Denman Street
Vancouver BC V6G 2M6
Canada

CC: Perry Grunenberg

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: **Hellix Ventures Inc.**
125A - 1030 Denman Street
Vancouver BC V6G 2M6 Canada

Project: Athabasca
Report Date: September 14, 2011

CERTIFICATE OF ANALYSIS VAN11003472R.1

		Method	G6	G6Gr
		Analyte	Au	Au
		Unit	gm/t	gm/t
		MDL	0.005	0.9
PGUG 01	Rock		N.A.	46.9
PGUG 03	Rock		0.205	N.A.
PGUG 04	Rock		4.193	N.A.
PGUG 05	Rock		N.A.	6.9
PGUG 06	Rock		2.245	N.A.
PGUG 07	Rock		N.A.	27.6
PGUG 10	Rock		0.079	N.A.
PGUG 11	Rock		0.060	N.A.
PGUG 12	Rock		0.057	N.A.
PGUG 13	Rock		0.013	N.A.
APG 1101	Rock		<0.005	N.A.
APG 1102	Rock		0.078	N.A.
APG 1103	Rock		0.019	N.A.
APG 1104	Rock		<0.005	N.A.
APG 1105	Rock		0.758	N.A.
APG 1106	Rock		1.053	N.A.
APG 1107	Rock		0.125	N.A.
APG 1108	Rock		<0.005	N.A.
APG 1109	Rock		0.006	N.A.
APG 1112	Rock		0.013	N.A.
APG 1113	Rock		<0.005	N.A.
APG 1114	Rock		0.012	N.A.

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Client: **Hellix Ventures Inc.**
125A - 1030 Denman Street
Vancouver BC V6G 2M6 Canada

Project: Athabasca
Report Date: September 14, 2011

QUALITY CONTROL REPORT VAN11003472R.1

		Method	G6	G6Gr
		Analyte	Au	Au
		Unit	gm/t	gm/t
		MDL	0.005	0.9
Pulp Duplicates				
PGUG 13	Rock		0.013	N.A.
REP PGUG 13	QC		0.013	
Reference Materials				
STD AGPROOF	Standard			<0.9
STD CDN-ME-3	Standard			9.2
STD OXH82	Standard		1.300	
STD OXK79	Standard		3.640	
STD OXH82 Expected			1.278	
STD OXK79 Expected			3.532	
STD CDN-ME-3 Expected				9.77
STD AGPROOF Expected				0
BLK	Blank		<0.005	
BLK	Blank		<0.005	
BLK	Blank			<0.9
BLK	Blank			<0.9

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Hellix Ventures Inc.**
125A - 1030 Denman Street
Vancouver BC V6G 2M6 Canada

Submitted By: Edis Findla
Receiving Lab: Canada-Vancouver
Received: July 26, 2011
Report Date: August 26, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN11003472.1

CLIENT JOB INFORMATION

Project: Athabasca
Shipment ID: Ath 1
P.O. Number
Number of Samples: 24

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-1000	24	Crush, split and pulverize 1kg rock to 200 mesh			VAN
1F03	24	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
G601	2	Fire Assay fusion Au by ICP-ES	30	Completed	VAN
G6	2	Lead collection fire assay fusion - Grav finish	30	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Hellix Ventures Inc.
125A - 1030 Denman Street
Vancouver BC V6G 2M6
Canada

CC: Perry Grunenberg

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: **Hellix Ventures Inc.**
125A - 1030 Denman Street
Vancouver BC V6G 2M6 Canada

Project: Athabasca
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003472.1

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
PGUG 01	Rock	0.71	0.70	7.26	354.6	224.6	13691	4.5	7.0	255	8.91	77.4	0.2	51261	0.3	3.8	8.47	0.28	3.12	26	0.06
PGUG 02	Rock	1.06	4.36	47.06	>10000	>10000	>100000	12.2	6.1	404	4.61	34.1	0.7	>100000	0.1	7.0	305.6	4.51	200.0	50	0.03
PGUG 03	Rock	0.31	17.59	185.1	5711	6144	44396	2.5	1.6	339	4.18	18.5	3.7	249.5	1.0	7.1	25.29	0.39	144.5	41	0.09
PGUG 04	Rock	0.39	9.07	27.90	1329	86.7	12263	3.1	2.5	114	16.53	78.3	0.4	5949	<0.1	2.4	1.34	0.28	24.40	5	0.02
PGUG 05	Rock	0.42	7.64	14.37	7285	5257	19134	5.0	6.0	260	4.64	22.5	1.4	9345	1.5	10.2	208.8	0.18	32.94	6	0.13
PGUG 06	Rock	1.25	17.96	193.2	3804	1778	11604	4.6	9.5	956	5.00	36.6	3.7	2712	1.9	12.5	47.98	0.33	10.55	46	0.22
PGUG 07	Rock	1.14	0.73	16.66	2061	8035	10899	3.3	4.7	1185	3.06	14.8	2.0	32053	3.8	36.3	336.3	0.15	7.86	25	1.26
PGUG 10	Rock	0.62	28.61	32.06	424.8	1357	2069	3.0	3.4	414	4.47	8.0	1.1	67.1	2.5	13.7	27.24	0.08	3.50	9	0.12
PGUG 11	Rock	0.53	2.60	45.13	4186	4651	10363	1.9	3.5	1371	3.26	9.2	0.3	49.9	1.6	83.7	185.0	0.07	21.43	7	3.13
PGUG 12	Rock	0.49	7.27	27.46	2884	1893	15849	2.6	5.7	472	4.01	22.8	0.4	66.9	0.5	42.9	70.04	0.05	34.51	7	1.44
PGUG 13	Rock	1.29	1.12	18.26	273.5	88.4	886	1.6	1.6	285	2.40	8.6	0.3	20.4	0.5	57.3	3.34	0.08	1.59	2	0.70
PGUG 14	Rock	1.12	4.07	101.1	6837	>10000	47560	2.7	2.5	543	12.23	34.9	1.2	>100000	2.7	12.1	500.7	0.88	42.44	5	0.20
APG 1101	Rock	0.99	0.07	79.51	4.12	53.8	42	83.4	19.8	724	3.32	0.9	0.2	16.3	0.5	48.7	0.25	0.18	0.05	90	0.53
APG 1102	Rock	1.62	34.85	5.91	478.8	217.0	4968	1.8	0.6	106	1.46	16.4	0.3	154.5	0.8	4.2	2.69	0.22	13.18	2	0.01
APG 1103	Rock	1.93	0.16	57.04	27.62	59.5	89	19.2	17.3	688	2.68	0.7	<0.1	37.3	0.2	85.2	0.83	0.36	0.12	88	1.14
APG 1104	Rock	0.58	0.32	3.57	7.07	62.4	42	4.6	3.2	405	1.83	0.3	1.9	3.2	3.6	36.3	0.45	0.03	0.10	24	0.35
APG 1105	Rock	0.82	1.17	6.01	179.2	104.4	1030	2.0	1.7	207	2.15	13.8	0.4	463.1	2.6	10.7	1.02	0.12	1.44	7	0.06
APG 1106	Rock	1.30	2.56	3.96	164.4	184.3	2220	2.7	7.9	658	2.57	29.4	0.8	1310	3.5	5.3	5.23	0.13	3.46	6	0.12
APG 1107	Rock	0.60	2.70	2.06	196.0	279.4	2802	1.9	1.3	728	1.42	12.6	1.1	85.1	3.9	6.7	8.93	0.09	5.79	3	0.10
APG 1108	Rock	1.16	0.39	86.26	2.33	41.7	209	11.2	17.8	519	3.18	2.7	0.2	<0.2	0.8	27.8	0.20	0.03	0.15	88	1.14
APG 1109	Rock	1.76	0.67	25.52	414.8	214.6	805	3.5	11.1	630	3.33	15.6	0.3	7.7	1.4	7.0	5.24	0.20	0.59	42	0.19
APG 1112	Rock	2.02	3.60	4.22	613.7	213.0	2268	2.0	2.7	810	1.13	46.7	0.9	15.1	0.6	2.3	6.90	0.12	3.60	3	0.01
APG 1113	Rock	1.84	1.86	12.18	17.62	153.1	385	4.3	3.3	614	1.84	6.4	1.6	2.7	4.0	12.2	2.43	0.05	1.36	15	0.14
APG 1114	Rock	2.24	3.60	7.76	191.3	94.8	4882	1.9	1.5	269	1.77	3.2	1.5	4.7	1.9	4.4	1.82	0.05	10.12	4	0.05

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Client: **Hellix Ventures Inc.**
125A - 1030 Denman Street
Vancouver BC V6G 2M6 Canada

Project: Athabasca
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003472.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	G6	G6Gr
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Au	Au
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	gm/t	gm/t
MDL		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.005	0.9
PGUG 01	Rock	0.017	0.9	10.5	0.09	17.0	0.007	<1	0.23	0.003	0.11	1.3	0.7	0.04	3.91	60	0.4	0.21	1.0		
PGUG 02	Rock	0.012	<0.5	28.7	0.22	8.2	0.005	<1	0.28	0.001	0.03	>100	1.3	0.07	2.16	2601	2.8	2.27	1.2	>10	215.7
PGUG 03	Rock	0.020	2.5	9.2	0.14	13.1	0.015	<1	0.50	0.007	0.07	6.1	0.7	0.03	0.04	307	2.1	4.77	3.3		
PGUG 04	Rock	0.002	<0.5	6.0	<0.01	0.9	0.002	<1	0.07	0.002	0.01	21.0	<0.1	0.12	>10	2530	2.6	0.80	1.0		
PGUG 05	Rock	0.017	2.9	7.6	0.07	15.0	0.014	<1	0.30	0.005	0.19	>100	0.5	0.09	3.73	194	2.4	0.89	1.1		
PGUG 06	Rock	0.052	4.5	11.6	0.37	14.3	0.021	<1	0.57	0.003	0.12	>100	1.6	0.08	0.16	1551	0.5	0.54	3.7		
PGUG 07	Rock	0.061	3.1	8.2	0.35	15.1	0.031	<1	0.62	0.015	0.25	>100	1.5	0.15	2.41	11412	0.7	0.24	2.3		
PGUG 10	Rock	0.032	3.5	6.0	0.13	27.7	0.008	<1	0.78	0.004	0.25	>100	0.7	0.09	2.54	2174	0.5	0.17	2.6		
PGUG 11	Rock	0.028	2.6	5.4	0.12	18.7	0.012	<1	0.44	0.007	0.22	14.2	1.0	0.12	2.91	69	3.6	0.94	2.0		
PGUG 12	Rock	0.009	1.0	7.2	0.17	9.2	0.010	<1	0.29	0.008	0.06	4.5	0.6	0.09	3.48	2412	2.6	0.93	1.5		
PGUG 13	Rock	0.007	0.7	6.2	0.06	6.2	0.009	<1	0.23	0.002	0.04	19.8	0.3	0.03	1.69	46	0.2	0.11	0.9		
PGUG 14	Rock	0.028	2.5	5.4	0.10	25.9	0.004	<1	0.77	0.003	0.25	6.3	0.8	0.12	9.60	99	1.6	0.91	2.0	>10	105.9
APG 1101	Rock	0.111	1.7	162.1	2.21	41.1	0.122	<1	2.13	0.048	0.06	0.4	2.3	<0.02	<0.02	<5	0.1	<0.02	8.1		
APG 1102	Rock	0.015	1.8	8.8	0.04	14.8	0.002	<1	0.17	0.004	0.08	22.3	0.1	0.03	0.03	<5	0.2	0.37	0.6		
APG 1103	Rock	0.098	0.6	38.5	1.39	24.7	0.166	<1	1.69	0.041	0.06	0.2	4.2	<0.02	<0.02	11	0.2	<0.02	4.6		
APG 1104	Rock	0.064	9.8	11.0	0.49	43.5	0.084	<1	1.05	0.087	0.25	<0.1	1.5	0.11	<0.02	<5	<0.1	<0.02	4.8		
APG 1105	Rock	0.038	5.6	6.2	0.10	40.0	0.022	2	0.45	0.012	0.19	1.7	0.7	0.10	0.06	<5	<0.1	0.06	1.9		
APG 1106	Rock	0.048	7.0	4.1	0.11	25.6	0.005	2	0.44	0.004	0.26	53.9	0.7	0.13	0.68	<5	0.6	0.06	1.2		
APG 1107	Rock	0.046	11.0	5.7	0.09	43.8	0.006	2	0.42	0.004	0.26	1.5	0.5	0.16	0.03	7	0.2	0.05	1.3		
APG 1108	Rock	0.120	2.5	10.8	1.03	24.2	0.106	1	1.66	0.121	0.14	0.4	5.8	0.03	<0.02	8	<0.1	0.09	4.8		
APG 1109	Rock	0.071	3.2	6.9	0.63	43.0	0.021	2	1.36	0.017	0.33	1.0	2.2	0.16	0.31	6	0.2	0.13	3.5		
APG 1112	Rock	0.005	2.1	7.7	0.04	14.5	0.003	2	0.15	0.002	0.05	>100	0.3	0.10	0.19	<5	<0.1	0.14	0.7		
APG 1113	Rock	0.046	9.3	12.3	0.36	61.5	0.020	<1	0.73	0.026	0.22	0.8	1.1	0.13	<0.02	6	0.2	0.05	3.0		
APG 1114	Rock	0.028	5.6	7.3	0.08	37.4	0.001	<1	0.32	0.013	0.15	1.4	0.5	0.08	0.12	<5	0.2	0.11	1.0		

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Client: **Hellix Ventures Inc.**
125A - 1030 Denman Street
Vancouver BC V6G 2M6 Canada

Project: Athabasca
Report Date: August 26, 2011

QUALITY CONTROL REPORT VAN11003472.1

	Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
Pulp Duplicates																					
REP APG 1102	QC		34.29	5.68	458.0	217.7	4858	2.0	0.6	103	1.44	16.7	0.3	95.6	0.8	4.0	2.67	0.21	12.37	2	0.01
APG 1108	Rock	1.16	0.39	86.26	2.33	41.7	209	11.2	17.8	519	3.18	2.7	0.2	<0.2	0.8	27.8	0.20	0.03	0.15	88	1.14
REP APG 1108	QC		0.39	82.31	2.41	41.9	193	10.5	16.5	485	3.03	2.5	0.2	<0.2	0.8	27.0	0.25	0.03	0.10	82	1.07
Core Reject Duplicates																					
APG 1102	Rock	1.62	34.85	5.91	478.8	217.0	4968	1.8	0.6	106	1.46	16.4	0.3	154.5	0.8	4.2	2.69	0.22	13.18	2	0.01
DUP APG 1102	QC		35.77	5.56	448.7	210.9	4775	1.8	0.6	96	1.34	16.0	0.3	75.4	0.8	3.9	2.39	0.20	12.67	2	0.01
Reference Materials																					
STD CDN-ME-3	Standard																				
STD DS8	Standard		12.39	107.9	120.4	303.5	1675	37.3	7.5	587	2.39	23.5	2.6	115.4	6.4	57.7	2.26	4.89	6.24	39	0.67
STD DS8	Standard		13.20	109.7	133.9	310.9	1831	37.1	7.6	599	2.45	25.2	3.0	120.7	7.6	66.8	2.43	5.33	7.06	41	0.72
STD OXH82	Standard																				
STD OXK79	Standard																				
STD DS8 Expected			13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7
STD OXH82 Expected																					
STD CDN-ME-3 Expected																					
STD OXK79 Expected																					
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	<0.01	0.20	3.02	4.45	48.6	22	4.4	4.4	585	2.20	0.9	1.7	4.1	5.7	61.4	<0.01	0.05	0.05	37	0.52
G1	Prep Blank	<0.01	0.16	2.90	4.79	47.6	21	4.4	4.3	624	2.28	0.3	1.8	9.1	6.1	66.6	0.02	0.02	0.06	39	0.56

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125A - 1030 Denman Street
Vancouver BC V6G 2M6 Canada

Project: Athabasca
Report Date: August 26, 2011

QUALITY CONTROL REPORT VAN11003472.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	G6	G6Gr
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Au	Au
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	gm/t	gm/t
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.005	0.9
Pulp Duplicates																					
REP APG 1102	QC	0.014	1.9	8.6	0.04	14.5	0.002	<1	0.17	0.004	0.08	21.1	0.2	0.03	0.03	<5	0.1	0.29	0.7		
APG 1108	Rock	0.120	2.5	10.8	1.03	24.2	0.106	1	1.66	0.121	0.14	0.4	5.8	0.03	<0.02	8	<0.1	0.09	4.8		
REP APG 1108	QC	0.117	2.3	10.4	0.97	22.6	0.098	<1	1.56	0.109	0.13	0.4	5.4	0.02	<0.02	<5	<0.1	0.07	4.6		
Core Reject Duplicates																					
APG 1102	Rock	0.015	1.8	8.8	0.04	14.8	0.002	<1	0.17	0.004	0.08	22.3	0.1	0.03	0.03	<5	0.2	0.37	0.6		
DUP APG 1102	QC	0.015	1.8	8.1	0.04	13.5	0.002	<1	0.16	0.004	0.07	21.2	0.2	0.03	0.02	<5	0.2	0.36	0.7		
Reference Materials																					
STD CDN-ME-3	Standard																				9.6
STD DS8	Standard	0.075	13.6	111.1	0.58	251.3	0.107	3	0.88	0.086	0.40	3.0	2.0	5.51	0.16	202	5.8	4.55	4.6		
STD DS8	Standard	0.085	16.1	113.9	0.60	275.9	0.114	2	0.92	0.091	0.42	3.0	2.3	5.69	0.16	210	5.2	5.33	4.7		
STD OXH82	Standard																			1.263	
STD OXK79	Standard																			3.352	
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7		
STD OXH82 Expected																				1.278	
STD CDN-ME-3 Expected																					9.77
STD OXK79 Expected																				3.532	
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1		
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1		
BLK	Blank																			<0.005	
BLK	Blank																				<0.9
BLK	Blank																			<0.005	
BLK	Blank																			<0.005	
Prep Wash																					
G1	Prep Blank	0.081	11.2	8.7	0.58	216.9	0.123	<1	1.01	0.086	0.50	<0.1	2.0	0.31	<0.02	<5	<0.1	<0.02	5.1		
G1	Prep Blank	0.082	13.0	10.0	0.61	218.5	0.132	<1	1.09	0.103	0.54	<0.1	2.1	0.33	<0.02	<5	<0.1	<0.02	5.5		

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Client: **Hellix Ventures Inc.**
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Submitted By: Edis Findla
Receiving Lab: Canada-Vancouver
Received: July 26, 2011
Report Date: August 31, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN11003472.2

CLIENT JOB INFORMATION

Project: Athabasca
Shipment ID: Ath 1
P.O. Number
Number of Samples: 24

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-1000	24	Crush, split and pulverize 1kg rock to 200 mesh			VAN
1F03	24	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
G601	2	Fire Assay fusion Au by ICP-ES	30	Completed	VAN
G6	2	Lead collection fire assay fusion - Grav finish	30	Completed	VAN

ADDITIONAL COMMENTS

Version 2: G6 Ag Grav for Sample PGUG 02 included.

Invoice To: Hellix Ventures Inc.
125A - 1030 Denman Street
Vancouver BC V6G 2M6
Canada

CC: Perry Grunenberg

BRITISH COLUMBIA CERTIFIED ASSAYER
RAYMOND CHAN
CHIEF ASSAYER

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Project: Athabasca
Report Date: August 31, 2011

CERTIFICATE OF ANALYSIS VAN11003472.2

Method		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
PGUG 01	Rock	0.71	0.70	7.26	354.6	224.6	13691	4.5	7.0	255	8.91	77.4	0.2	51261	0.3	3.8	8.47	0.28	3.12	26	0.06
PGUG 02	Rock	1.06	4.36	47.06	>10000	>10000	>100000	12.2	6.1	404	4.61	34.1	0.7	>100000	0.1	7.0	305.6	4.51	200.0	50	0.03
PGUG 03	Rock	0.31	17.59	185.1	5711	6144	44396	2.5	1.6	339	4.18	18.5	3.7	249.5	1.0	7.1	25.29	0.39	144.5	41	0.09
PGUG 04	Rock	0.39	9.07	27.90	1329	86.7	12263	3.1	2.5	114	16.53	78.3	0.4	5949	<0.1	2.4	1.34	0.28	24.40	5	0.02
PGUG 05	Rock	0.42	7.64	14.37	7285	5257	19134	5.0	6.0	260	4.64	22.5	1.4	9345	1.5	10.2	208.8	0.18	32.94	6	0.13
PGUG 06	Rock	1.25	17.96	193.2	3804	1778	11604	4.6	9.5	956	5.00	36.6	3.7	2712	1.9	12.5	47.98	0.33	10.55	46	0.22
PGUG 07	Rock	1.14	0.73	16.66	2061	8035	10899	3.3	4.7	1185	3.06	14.8	2.0	32053	3.8	36.3	336.3	0.15	7.86	25	1.26
PGUG 10	Rock	0.62	28.61	32.06	424.8	1357	2069	3.0	3.4	414	4.47	8.0	1.1	67.1	2.5	13.7	27.24	0.08	3.50	9	0.12
PGUG 11	Rock	0.53	2.60	45.13	4186	4651	10363	1.9	3.5	1371	3.26	9.2	0.3	49.9	1.6	83.7	185.0	0.07	21.43	7	3.13
PGUG 12	Rock	0.49	7.27	27.46	2884	1893	15849	2.6	5.7	472	4.01	22.8	0.4	66.9	0.5	42.9	70.04	0.05	34.51	7	1.44
PGUG 13	Rock	1.29	1.12	18.26	273.5	88.4	886	1.6	1.6	285	2.40	8.6	0.3	20.4	0.5	57.3	3.34	0.08	1.59	2	0.70
PGUG 14	Rock	1.12	4.07	101.1	6837	>10000	47560	2.7	2.5	543	12.23	34.9	1.2	>100000	2.7	12.1	500.7	0.88	42.44	5	0.20
APG 1101	Rock	0.99	0.07	79.51	4.12	53.8	42	83.4	19.8	724	3.32	0.9	0.2	16.3	0.5	48.7	0.25	0.18	0.05	90	0.53
APG 1102	Rock	1.62	34.85	5.91	478.8	217.0	4968	1.8	0.6	106	1.46	16.4	0.3	154.5	0.8	4.2	2.69	0.22	13.18	2	0.01
APG 1103	Rock	1.93	0.16	57.04	27.62	59.5	89	19.2	17.3	688	2.68	0.7	<0.1	37.3	0.2	85.2	0.83	0.36	0.12	88	1.14
APG 1104	Rock	0.58	0.32	3.57	7.07	62.4	42	4.6	3.2	405	1.83	0.3	1.9	3.2	3.6	36.3	0.45	0.03	0.10	24	0.35
APG 1105	Rock	0.82	1.17	6.01	179.2	104.4	1030	2.0	1.7	207	2.15	13.8	0.4	463.1	2.6	10.7	1.02	0.12	1.44	7	0.06
APG 1106	Rock	1.30	2.56	3.96	164.4	184.3	2220	2.7	7.9	658	2.57	29.4	0.8	1310	3.5	5.3	5.23	0.13	3.46	6	0.12
APG 1107	Rock	0.60	2.70	2.06	196.0	279.4	2802	1.9	1.3	728	1.42	12.6	1.1	85.1	3.9	6.7	8.93	0.09	5.79	3	0.10
APG 1108	Rock	1.16	0.39	86.26	2.33	41.7	209	11.2	17.8	519	3.18	2.7	0.2	<0.2	0.8	27.8	0.20	0.03	0.15	88	1.14
APG 1109	Rock	1.76	0.67	25.52	414.8	214.6	805	3.5	11.1	630	3.33	15.6	0.3	7.7	1.4	7.0	5.24	0.20	0.59	42	0.19
APG 1112	Rock	2.02	3.60	4.22	613.7	213.0	2268	2.0	2.7	810	1.13	46.7	0.9	15.1	0.6	2.3	6.90	0.12	3.60	3	0.01
APG 1113	Rock	1.84	1.86	12.18	17.62	153.1	385	4.3	3.3	614	1.84	6.4	1.6	2.7	4.0	12.2	2.43	0.05	1.36	15	0.14
APG 1114	Rock	2.24	3.60	7.76	191.3	94.8	4882	1.9	1.5	269	1.77	3.2	1.5	4.7	1.9	4.4	1.82	0.05	10.12	4	0.05

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Project: Athabasca
Report Date: August 31, 2011

CERTIFICATE OF ANALYSIS VAN11003472.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	G6	G6Gr
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Au	Ag
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	gm/t	gm/t
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.005	50
PGUG 01	Rock	0.017	0.9	10.5	0.09	17.0	0.007	<1	0.23	0.003	0.11	1.3	0.7	0.04	3.91	60	0.4	0.21	1.0		
PGUG 02	Rock	0.012	<0.5	28.7	0.22	8.2	0.005	<1	0.28	0.001	0.03	>100	1.3	0.07	2.16	2601	2.8	2.27	1.2	>10	169
PGUG 03	Rock	0.020	2.5	9.2	0.14	13.1	0.015	<1	0.50	0.007	0.07	6.1	0.7	0.03	0.04	307	2.1	4.77	3.3		
PGUG 04	Rock	0.002	<0.5	6.0	<0.01	0.9	0.002	<1	0.07	0.002	0.01	21.0	<0.1	0.12	>10	2530	2.6	0.80	1.0		
PGUG 05	Rock	0.017	2.9	7.6	0.07	15.0	0.014	<1	0.30	0.005	0.19	>100	0.5	0.09	3.73	194	2.4	0.89	1.1		
PGUG 06	Rock	0.052	4.5	11.6	0.37	14.3	0.021	<1	0.57	0.003	0.12	>100	1.6	0.08	0.16	1551	0.5	0.54	3.7		
PGUG 07	Rock	0.061	3.1	8.2	0.35	15.1	0.031	<1	0.62	0.015	0.25	>100	1.5	0.15	2.41	11412	0.7	0.24	2.3		
PGUG 10	Rock	0.032	3.5	6.0	0.13	27.7	0.008	<1	0.78	0.004	0.25	>100	0.7	0.09	2.54	2174	0.5	0.17	2.6		
PGUG 11	Rock	0.028	2.6	5.4	0.12	18.7	0.012	<1	0.44	0.007	0.22	14.2	1.0	0.12	2.91	69	3.6	0.94	2.0		
PGUG 12	Rock	0.009	1.0	7.2	0.17	9.2	0.010	<1	0.29	0.008	0.06	4.5	0.6	0.09	3.48	2412	2.6	0.93	1.5		
PGUG 13	Rock	0.007	0.7	6.2	0.06	6.2	0.009	<1	0.23	0.002	0.04	19.8	0.3	0.03	1.69	46	0.2	0.11	0.9		
PGUG 14	Rock	0.028	2.5	5.4	0.10	25.9	0.004	<1	0.77	0.003	0.25	6.3	0.8	0.12	9.60	99	1.6	0.91	2.0	>10	N.A.
APG 1101	Rock	0.111	1.7	162.1	2.21	41.1	0.122	<1	2.13	0.048	0.06	0.4	2.3	<0.02	<0.02	<5	0.1	<0.02	8.1		
APG 1102	Rock	0.015	1.8	8.8	0.04	14.8	0.002	<1	0.17	0.004	0.08	22.3	0.1	0.03	0.03	<5	0.2	0.37	0.6		
APG 1103	Rock	0.098	0.6	38.5	1.39	24.7	0.166	<1	1.69	0.041	0.06	0.2	4.2	<0.02	<0.02	11	0.2	<0.02	4.6		
APG 1104	Rock	0.064	9.8	11.0	0.49	43.5	0.084	<1	1.05	0.087	0.25	<0.1	1.5	0.11	<0.02	<5	<0.1	<0.02	4.8		
APG 1105	Rock	0.038	5.6	6.2	0.10	40.0	0.022	2	0.45	0.012	0.19	1.7	0.7	0.10	0.06	<5	<0.1	0.06	1.9		
APG 1106	Rock	0.048	7.0	4.1	0.11	25.6	0.005	2	0.44	0.004	0.26	53.9	0.7	0.13	0.68	<5	0.6	0.06	1.2		
APG 1107	Rock	0.046	11.0	5.7	0.09	43.8	0.006	2	0.42	0.004	0.26	1.5	0.5	0.16	0.03	7	0.2	0.05	1.3		
APG 1108	Rock	0.120	2.5	10.8	1.03	24.2	0.106	1	1.66	0.121	0.14	0.4	5.8	0.03	<0.02	8	<0.1	0.09	4.8		
APG 1109	Rock	0.071	3.2	6.9	0.63	43.0	0.021	2	1.36	0.017	0.33	1.0	2.2	0.16	0.31	6	0.2	0.13	3.5		
APG 1112	Rock	0.005	2.1	7.7	0.04	14.5	0.003	2	0.15	0.002	0.05	>100	0.3	0.10	0.19	<5	<0.1	0.14	0.7		
APG 1113	Rock	0.046	9.3	12.3	0.36	61.5	0.020	<1	0.73	0.026	0.22	0.8	1.1	0.13	<0.02	6	0.2	0.05	3.0		
APG 1114	Rock	0.028	5.6	7.3	0.08	37.4	0.001	<1	0.32	0.013	0.15	1.4	0.5	0.08	0.12	<5	0.2	0.11	1.0		

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Client: **Hellix Ventures Inc.**
125A - 1030 Denman Street
Vancouver BC V6G 2M6 Canada

Project: Athabasca
Report Date: August 31, 2011

CERTIFICATE OF ANALYSIS VAN11003472.2

	Method	G6Gr
	Analyte	Au
	Unit	gm/t
	MDL	0.9
PGUG 01	Rock	
PGUG 02	Rock	215.7
PGUG 03	Rock	
PGUG 04	Rock	
PGUG 05	Rock	
PGUG 06	Rock	
PGUG 07	Rock	
PGUG 10	Rock	
PGUG 11	Rock	
PGUG 12	Rock	
PGUG 13	Rock	
PGUG 14	Rock	105.9
APG 1101	Rock	
APG 1102	Rock	
APG 1103	Rock	
APG 1104	Rock	
APG 1105	Rock	
APG 1106	Rock	
APG 1107	Rock	
APG 1108	Rock	
APG 1109	Rock	
APG 1112	Rock	
APG 1113	Rock	
APG 1114	Rock	

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QUALITY CONTROL REPORT VAN11003472.2

	Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
Pulp Duplicates																					
REP APG 1102	QC		34.29	5.68	458.0	217.7	4858	2.0	0.6	103	1.44	16.7	0.3	95.6	0.8	4.0	2.67	0.21	12.37	2	0.01
APG 1108	Rock	1.16	0.39	86.26	2.33	41.7	209	11.2	17.8	519	3.18	2.7	0.2	<0.2	0.8	27.8	0.20	0.03	0.15	88	1.14
REP APG 1108	QC		0.39	82.31	2.41	41.9	193	10.5	16.5	485	3.03	2.5	0.2	<0.2	0.8	27.0	0.25	0.03	0.10	82	1.07
Core Reject Duplicates																					
APG 1102	Rock	1.62	34.85	5.91	478.8	217.0	4968	1.8	0.6	106	1.46	16.4	0.3	154.5	0.8	4.2	2.69	0.22	13.18	2	0.01
DUP APG 1102	QC		35.77	5.56	448.7	210.9	4775	1.8	0.6	96	1.34	16.0	0.3	75.4	0.8	3.9	2.39	0.20	12.67	2	0.01
Reference Materials																					
STD CDN-ME-3	Standard																				
STD DS8	Standard		12.39	107.9	120.4	303.5	1675	37.3	7.5	587	2.39	23.5	2.6	115.4	6.4	57.7	2.26	4.89	6.24	39	0.67
STD DS8	Standard		13.20	109.7	133.9	310.9	1831	37.1	7.6	599	2.45	25.2	3.0	120.7	7.6	66.8	2.43	5.33	7.06	41	0.72
STD OXH82	Standard																				
STD OXK79	Standard																				
STD DS8 Expected			13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7
STD OXH82 Expected																					
STD CDN-ME-3 Expected																					
STD OXK79 Expected																					
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	<0.01	0.20	3.02	4.45	48.6	22	4.4	4.4	585	2.20	0.9	1.7	4.1	5.7	61.4	<0.01	0.05	0.05	37	0.52
G1	Prep Blank	<0.01	0.16	2.90	4.79	47.6	21	4.4	4.3	624	2.28	0.3	1.8	9.1	6.1	66.6	0.02	0.02	0.06	39	0.56

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Project: Athabasca
Report Date: August 31, 2011

QUALITY CONTROL REPORT VAN11003472.2

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	G6	G6Gr
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Au	Ag
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	gm/t	gm/t
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.005	50
Pulp Duplicates																					
REP APG 1102	QC	0.014	1.9	8.6	0.04	14.5	0.002	<1	0.17	0.004	0.08	21.1	0.2	0.03	0.03	<5	0.1	0.29	0.7		
APG 1108	Rock	0.120	2.5	10.8	1.03	24.2	0.106	1	1.66	0.121	0.14	0.4	5.8	0.03	<0.02	8	<0.1	0.09	4.8		
REP APG 1108	QC	0.117	2.3	10.4	0.97	22.6	0.098	<1	1.56	0.109	0.13	0.4	5.4	0.02	<0.02	<5	<0.1	0.07	4.6		
Core Reject Duplicates																					
APG 1102	Rock	0.015	1.8	8.8	0.04	14.8	0.002	<1	0.17	0.004	0.08	22.3	0.1	0.03	0.03	<5	0.2	0.37	0.6		
DUP APG 1102	QC	0.015	1.8	8.1	0.04	13.5	0.002	<1	0.16	0.004	0.07	21.2	0.2	0.03	0.02	<5	0.2	0.36	0.7		
Reference Materials																					
STD CDN-ME-3	Standard																				268
STD DS8	Standard	0.075	13.6	111.1	0.58	251.3	0.107	3	0.88	0.086	0.40	3.0	2.0	5.51	0.16	202	5.8	4.55	4.6		
STD DS8	Standard	0.085	16.1	113.9	0.60	275.9	0.114	2	0.92	0.091	0.42	3.0	2.3	5.69	0.16	210	5.2	5.33	4.7		
STD OXH82	Standard																			1.263	
STD OXK79	Standard																			3.352	
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7		
STD OXH82 Expected																				1.278	
STD CDN-ME-3 Expected																					276
STD OXK79 Expected																				3.532	
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1		
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1		
BLK	Blank																			<0.005	
BLK	Blank																				<50
BLK	Blank																			<0.005	
BLK	Blank																			<0.005	
Prep Wash																					
G1	Prep Blank	0.081	11.2	8.7	0.58	216.9	0.123	<1	1.01	0.086	0.50	<0.1	2.0	0.31	<0.02	<5	<0.1	<0.02	5.1		
G1	Prep Blank	0.082	13.0	10.0	0.61	218.5	0.132	<1	1.09	0.103	0.54	<0.1	2.1	0.33	<0.02	<5	<0.1	<0.02	5.5		

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QUALITY CONTROL REPORT VAN11003472.2

	Method	G6Gr
	Analyte	Au
	Unit	gm/t
	MDL	0.9
Pulp Duplicates		
REP APG 1102	QC	
APG 1108	Rock	
REP APG 1108	QC	
Core Reject Duplicates		
APG 1102	Rock	
DUP APG 1102	QC	
Reference Materials		
STD CDN-ME-3	Standard	9.6
STD DS8	Standard	
STD DS8	Standard	
STD OXH82	Standard	
STD OXK79	Standard	
STD DS8 Expected		
STD OXH82 Expected		
STD CDN-ME-3 Expected		9.77
STD OXK79 Expected		
BLK	Blank	
BLK	Blank	
BLK	Blank	
BLK	Blank	<0.9
BLK	Blank	
BLK	Blank	
Prep Wash		
G1	Prep Blank	
G1	Prep Blank	