ASSESSMENT REPORT, 2011 GEOCHEMICAL SAMPLING PROGRAM QUARTERBACK PROPERTY

Watson Lake Mining Division, Yukon, Canada
NTS Map Sheet: 105B/07 & 105B/08
Latitude $60^0$26´N; Longitude $130^0$26´W
Latitude 420000 E, 6670000 N (NAD83, Zone 9)

CLAIMS AND OWNER:

Claim Name	Number	Grant Number	Registered Owner
QB	1-28	YB75490-YB75517	Strategic Metals Ltd.-100%
QB	29-60	YB83119-YB83150	Strategic Metals Ltd.-100%
QB	61-104	YB83151-YB83194	Strategic Metals Ltd.-100%
QB	105-124	YB90003-YB90022	Strategic Metals Ltd.-100%
QB	125-128	YB91816-YB91819	Strategic Metals Ltd.-100%

PERIOD OF WORK: SEPTEMBER 26-27, 2011

OPERATOR:
Silver Predator Canada Corp.
201A-170 Titanium Way
Whitehorse
Yukon, Y1A 0G1

June 22nd, 2012

Prepared for: Strategic Metals Ltd.

Prepared by: Erin O'Brien, M.Sc., P.Geo.

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1.0 INTRODUCTION

The Quarterback property (QB) consists of 128 contiguous mineral claims covering an area with Ag-Pb-Zn showings and anomalies in the Cassiar Platform of southern Yukon. In March 2011, an agreement was signed between the underlying claim owner, Strategic Metals Ltd. (Strategic) and optionee Silver Predator Canada Corp. (Silver Predator) whereby Silver Predator could earn a 100% interest in the Quarterback claims over a three year period. The 2011 field program consisted of the collection of 204 gridded soil samples on the southern portion of the claims. Following a review of the historic data and interpretation of results obtained during the 2011 field season, Silver Predator dropped the option and the property was returned to Strategic in February 2012.

2.0 PROPERTY LOCATION AND DESCRIPTION

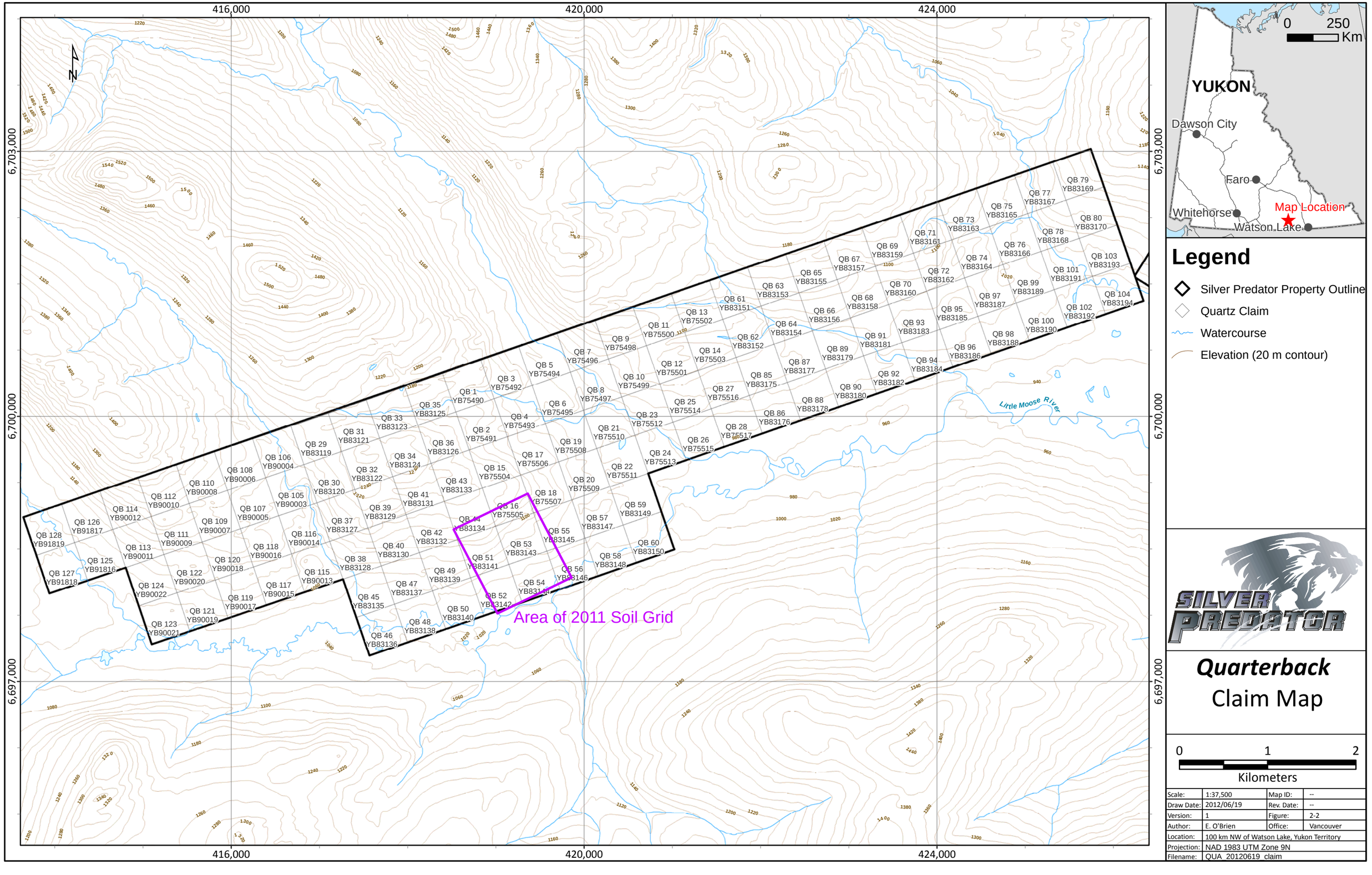
This report describes the physical work completed in the 2011 field season from September 26th to 27th which consisted of grid soil sampling.

The property is located in the Cassiar Mountains and lies 102 km northwest of Watson Lake, YT (Figure 2-1). The center of the property is at latitude $60^0$26´N, longitude $130^0$26´W. It is accessed by 30 minute helicopter trip from Ross River. The property is located in the Watson Mining District, and consists of 128 contiguous mineral claims covering an aggregate area of 25.69 km^2 (Table 2-1, Figure 2-2).

Figure 2-1. Quarterback Property Location, Yukon Territory

Table 2-1. Quarterback claim information

Claim	Grant Number	Registered Owner	Expiry Date	NTS Map
QB 1-8	YB75490-YB75497	Strategic Metals Ltd.	2/15/2018	105B08
QB 9-14	YB75498-YB75503	Strategic Metals Ltd.	2/15/2017	105B08
QB 15-22	YB75504-YB75511	Strategic Metals Ltd.	2/15/2018	105B08
QB 23-28	YB75512-YB75517	Strategic Metals Ltd.	2/15/2017	105B08
QB 29-60	YB83119-YB83150	Strategic Metals Ltd.	2/15/2018	105B07
QB 61-80	YB83151-YB83170	Strategic Metals Ltd.	2/15/2017	105B08
QB 85-104	YB83175-YB83194	Strategic Metals Ltd.	2/15/2017	105B08
QB 105-124	YB90003-YB90022	Strategic Metals Ltd.	2/15/2018	105B07
QB 125-128	YB91816-YB91819	Strategic Metals Ltd.	2/15/2017	105B07



Legend

- Silver Predator Property Outline
- Quartz Claim
- Watercourse
- Elevation (20 m contour)

SILVER PREDATOR

Quarterback Claim Map

0 1 2
Kilometers

Scale:	1:37,500	Map ID:	--
Draw Date:	2012/06/19	Rev. Date:	--
Version:	1	Figure:	2-2
Author:	E. O'Brien	Office:	Vancouver
Location:	100 km NW of Watson Lake, Yukon Territory		
Projection:	NAD 1983 UTM Zone 9N		
Filename:	QUA_20120619_claim		

3.0 INFRASTRUCTURE, CLIMATE AND PHYSIOGRAPHY

The nearest settlement accessible by road is Swift River, which is located at Historic Milepost 733 (KM 1135) along the Alaska Highway. At KM 1115, an unmaintained gravel road leads north off the highway at KM 1115 and provides road access to within 12 km west of the property.

The QB property is located on the eastern edge of the Cassiar Mountains in an area of low lying topography. Tributaries to the Little Moose River flow southeasterly through the property. The Little Moose River is a tributary to the larger Liard River which is part of the Mackenzie River drainage system.

Elevation on the property varies from 980 m in the Little Moose valley to 1240 m atop the highest point on the claims. Topography can be typified as "kame and kettle," slopes average 10^{o} and till up to 10 meters in thickness blanket almost the whole property. The entire property is boreal forests of spruce, pine, poplar and birch with alder and "buckbrush" undergrowth. Temperatures vary from 20^{o} C in summer to -35^{o} C in winter. Snow makes up about one third of the average 550 mm of precipitation.

4.0 EXPLORATION HISTORY

The first recorded work is on the central portion of the present claim block. In 1979 and 1980, geological sampling, mapping and geophysical surveys outlined a 1400 m x 200 m lead and zinc in soil anomaly, located massive sulfide float, fracture controlled galena and sphalerite in outcrop and chargeable, resistive zones indicating the possibility of disseminated sulfide mineralization (Verley, 1980). Limited hand-trenching failed to uncover any source for the anomalies

In 1996 Archer Cathro and Associates conducted various geological, geochemical and geophysical surveys. These surveys located more massive sulfide float and outlined a 2000 m long east trending soil anomaly (Zone A). Float boulders returned values up to a maximum 20.2% zinc, 18.7% lead and 281 g/t silver (Wengzynowski, 1997). In 1997, mechanized trenching was undertaken on the strongest portion of the soil anomaly. Only half the trenches reached bedrock and none encountered mineralization. A 1000 meter drilling program also in 1997 on the same area returned a best zone intercept of 11.43 metres at 25.2 g/t silver, 3.20% zinc and 1.52% lead, including l3.50% zinc, 8.43% lead and 107.5 g/t silver across 1.75 meters (Wengzynowski, 1998).

In 1998 and 1999, Archer Cathro continued exploring the property, this time concentrating on an anomalous soil zone located in the western end of the current claim block (Zone C). Further mapping and hand trenching located mineralized, jasperoidal limestone bodies. Best trench results from these programs are 15 meters at 151.1 g/t silver, 2.525 lead and 0.91% zinc. Hand trenching at Zone A was attempted in 2006 by Archer Cathro but was unsuccessful in reaching bedrock.

The last recorded historic work on the property was a VTEM and magnetic survey was flown by Geotech Limited. The survey identified three main conductive and magnetic areas warranting follow-up. These are Zone A and Zone C, which have seen previous detailed exploration, and Zone B, which had a weak anomalous soil response but had further work done. Zone B became the focus for the 2011 soil program by Silver Predator.

5.0 GEOLOGY

5.1 Regional Geology

The QB is within the Cassiar Platform, an allochthonous cratonal fragment juxtaposed against ancestral North America that extends from central Yukon southwards into northern British Columbia. The Cassiar Platform records a Neoproterozoic to Paleozoic rift to passive margin sequence (Pope and Sears, 1997).

The Cassiar Platform is bounded by the Tintina and D'Abbadie transcurrent faults along its west and east margins respectively. Rock units are predominantly shallow water calcareous and non-calcareous sediments deposited along the continental margin throughout the Paleozoic era. Terrane collision during the Mesozoic era resulted in deformation and metamorphism of the platform sediments. The regional metamorphic fabric is southeast with moderate northeast dips. Plutonism lasted from the Jurassic to the Tertiary, and was most common during the Middle Cretaceous period, resulting in the Cassiar Plutonic Suite.

Table 5-1. Regional Lithological units (after Gordey and Makepeace, 1999)

Age	Name	Unit	Description
Quarternary	regolith	Q	unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluviatile silt, sand, and gravel, and local volcanic ash, in part with cover of soil and organic deposits
Middle Cretaceous	Cassiar Suite	mKgC	medium to coarse grained, equigranular to porphyritic granodiorite, biotite-muscovite granodiorite, quartz diorite, biotite quartz monzonite, granite
Lower Cambrian	Atan Group	lCR	resistant, thick bedded to massive, limestone and argillaceous limestone; local archaeocyathid buildups, trilobite fragments, oolites, and pisolites; pisolitic massive dolomite and limestone; marble, calc-silicate, calcareous phyllite and minor schist **(Rosella Formation)**
		lCB	light grey to medium brown, fine to medium grained quartz arenite and interbedded argillite, slate, siltstone, phyllite and minor limestone **(Boya Formation)**
Upper Proterozoic to Lower Cambrian	Ingenika Group	PCl	calcareous sandstone, shale, quartz-eye grit, quartzite, micaceous quartzite and minor grey limestone generally overlain by phyllite, quartzite, and dolomitic marble; muscovite-chlorite schist, biotite schist, meta-sandstone and minor calc-silicate **(Swannel and Tsaydiz formations)**

412,000 416,000 420,000 424,000 428,000 432,000

6,706,000 6,703,000 6,700,000 6,697,000 6,694,000 6,691,000

N

mKgC

mKgC

PCI1

PCI1

ICB

ICR

ICR

mKgC

Bedrock Legend

MID-CRETACEOUS

mKgC: CASSIAR SUITE: granodiorite, biotite-muscovite granodiorite, quartz diorite, biotite quartz monzonite, granite (Cassiar Suite)

LOWER CAMBRIAN

lCR: ROSELLA: resistant, thick bedded to massive, limestone and argillaceous limestone; local archaeocyathid buildups, trilobite fragments, oolites, and pisolites; pisolitic massive dolostone and limestone; marble, calc-silicate, calcareous phyllite and minor schist (Rosella)

lCB: BOYA: light grey to medium brown, fine to medium grained quartz arenite and interbedded argillite, slate, siltstone, phyllite and minor limestone (Boya)

UPPER PROTEROZOIC TO LOWER CAMBRIAN

PCI1: INGENIKA: calcareous sandstone, shale, quartz-eye grit, quartzite, micaceous quartzite and minor grey limestone generally overlain by phyllite, quartzite, and dolomitic marble; muscovite-chlorite schist, biotite schist, metasandstone and minor calc-silicate (Swannel and Tsaydiz of the Ingenika Gp.)

MOVEMENT UNDEFINED

defined

approximate

assumed

0 250 Km

YUKON

Dawson City

Faro

Whitehorse

Map Location

Watson Lake

Legend

Silver Predator Property Outline

Quartz Claim

Watercourse

Elevation (20 m contour)

SILVER PREDATOR

Quarterback Project

Regional

Bedrock Geology

0 1 2 3

Kilometers

Scale:	1:70,000	Map ID:	--
Draw Date:	2012/06/19	Rev. Date:	--
Version:	1	Figure:	5-1
Author:	E. O'Brien	Office:	Vancouver
Location:	100 km NW of Watson Lake, Yukon Territory		
Projection:	NAD 1983 UTM Zone 9N		
Filename:	QUA_20120619_bedrock		

5.2 Property Geology

The 2011 work program involved contract soil samplers. No mapping was undertaken therefore a description of the property geology is quoted from a 2007 report by W.A. Wengzynowski.

"The QB property lies between the Marker Lake Batholith, about 4 km to the north, and the Meister Lake Stock, approximately 6 km to the southeast. Bedrock exposure on the property is poor (<5%) and is generally restricted to creek cuts or small windows through the glacial till cover. Most of the property is underlain by schists that are believed to be Lower Cambrian in age (Boya Formation). Limestone is interbedded with the schist forming horizons up to 100 m thick. The only intrusive rocks observed are narrow felsic dykes.

The lack of exposure in most parts of the property limits structural interpretation. In the eastern part of the property, trenching and drilling have enhanced the understanding of local structures and stratigraphy suggesting the existence of a relatively open synformal structure. Foliation is well developed in most units and parallels compositional layering. The main geological features on the QB property are shown on Figure 5.2 while the main lithologies are described below. Although the schist units are described separately, they are not subdivided on the map.

Quartz-muscovite±biotite±feldspar schist is the most common schist unit. It is tan weathering, medium grained, well foliated, grey to dark green weathering and moderately fissile. Biotite and chlorite contents are variable ranging from 0 to 30 %.

Quartz-muscovite schist is pale grey-green and mostly occurs as thin, 1 to 15 cm interfoliations within limestone. This unit is commonly calcareous and is the least common of the schist units.

Limestone is either white and coarsely crystalline or pale greenish grey and fine grained. The finer grained material contains biotite and muscovite along schistose partings and laminations. In the vicinity of the mineral occurrences the limestone is often intensely silicified (jasperoid) and brecciated. Contacts between fresh limestone and silica altered zones are usually gradational.

Felsic dykes are composed of fine to medium grained, light grey groundmass with rounded phenocrysts of quartz and feldspar up to 2 mm in diameter. This unit is not common and has not been found in outcrop.

Most topographic linears on the property are best seen on air photos and are interpreted as steep easterly trending faults. These structures may have played an important role in controlling mineralization. Northeasterly and north-northwesterly trending faults have also been inferred based on isolated bedrock exposures, topographic linears and geophysical interpretation".

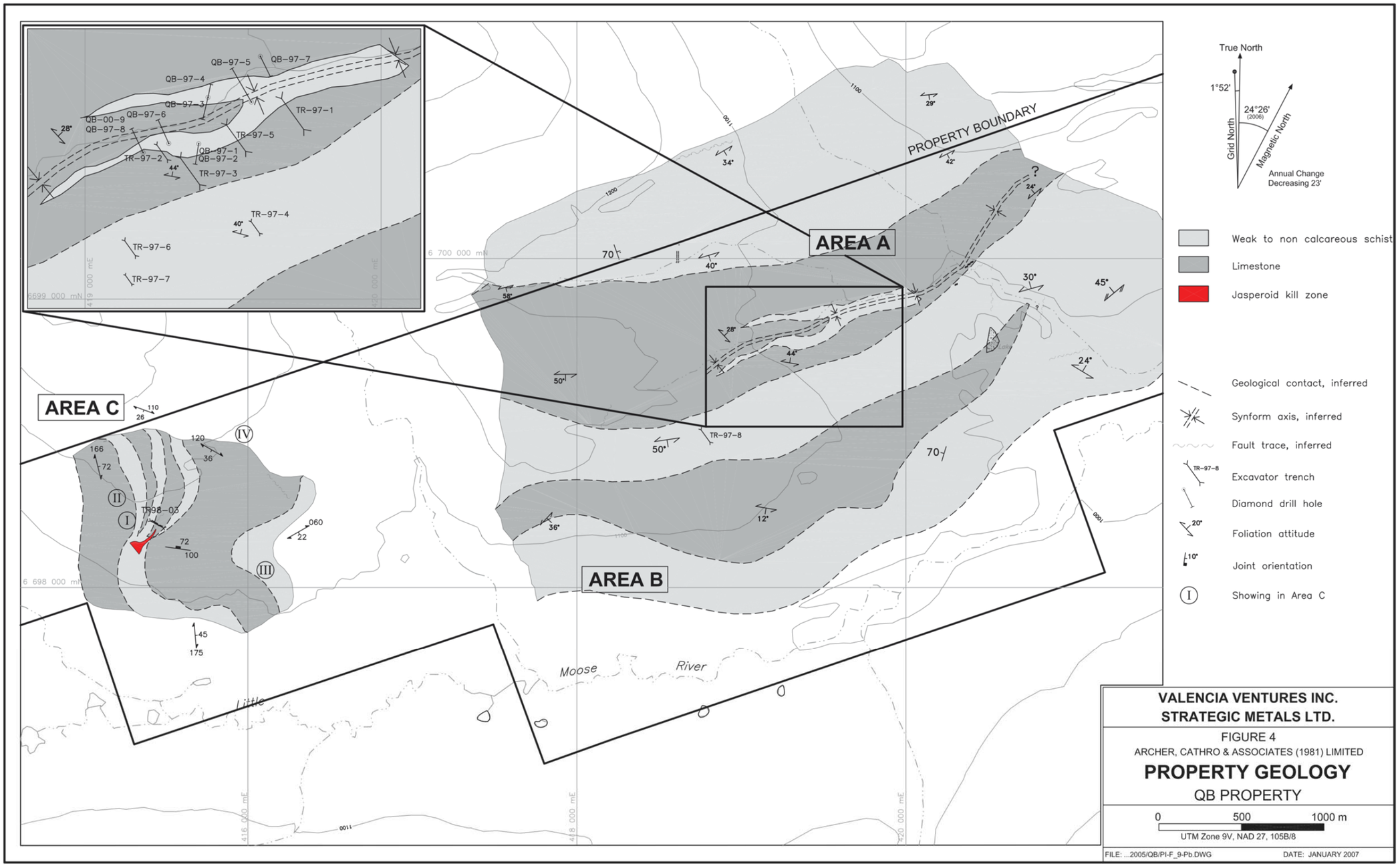


Figure 5-2. Quarterback Property Geology (after Wengzynowski, 2007).

6.0 EXPLORATION

6.1 Exploration Program

The 2011 exploration program was carried out from September 25th and 27th and consisted of grid soil sampling. Silver Predator contracted Aurora Geosciences of Whitehorse, YT to complete the program. A total of eigt man days were spent to collect 204 samples. Soil crews were based in Watson Lake and flew daily by helicopter to the property. The first day was lost due to weather. Transport was provided by the Watson Lake based helicopter belonging to Trans North of Whitehorse, YT.

Soil samples were collected on 50 m intervals on northeast-southwest oriented lines spaced 100 m apart for a total of approximately 10 line kilometres The grid was designed to fill in a gap in soil geochemistry for Target Area B (Figure 5-2).

6.2 Sampling Methodology and Protocols

Most samples were collected at a depth > 0.3 m using hand-held Dutch augers except where soils were very shallow or sparse, such as in boulder fields. At each sample station, sample descriptions, UTM co-ordinates and photographs were recorded. Location and observational data were recorded when no sample was collected due to ground conditions (i.e., permafrost or boulder field with insufficient fines).

Soil sample descriptions were entered into a hand held device with the following information: geographic location, relief, vegetation, depth of sample, soil horizon, sample color, sample quality, soil texture and moisture.

Samples were freighted to Acme's ISO 9001 certified preparation facility in Whitehorse, YT and the pulps were analyzed at Acme's ISO 9001 certified laboratory in Vancouver. Samples were dissolved in an aqua regia acid solution and then analyzed by ICP-MS methods (package 1DX2-15g). Acme completes quality assurance/ quality control data verification of their assays through internally inserted duplicates, standards and blanks. Assay certificates are compiled in Appendix 3 and the detailed methodology and detection limits are in Appendix 4. Appendix 5 presents the sample locations and geochemical plots for select elements.

Soil sample results from the Quarterback property were combined with results from the adjoining Silver Predator Pigskin Property to increase the statistical population and allow for better statistical measurements. A total of 295 soil samples collected from Pigskin, using the same techniques and sample crew, were added to the 206 samples from Quarterback. All samples were ranked by percentile to determine statistical anomalies for the property. Light blue circles plot samples ranking in the lower 75th percentile, green circles are samples ranking in the 75th – 90th percentile, yellow circles represent samples plotting in the 90th - 95th percentile, orange circles are 95th to 98th percentile and red circles indicate 98th – 100th percentile (labelled with value in ppm). If the data spread is not great (e.g. Au, Ag), four rather than five groupings were used to plot the data (0 – 75, 75 – 90, 90 – 95 and 95 – 100).

6.3 Results

Results from 95-100 the 2011 soil sampling program highlight one multi-element anomaly: A thin, NE-SW trending ~500 m by 50 m Pb-Zn±As in the eastern-central portion of the soil grid in Boya Formation

rocks (schists). This anomaly is defined by seven Pb samples in the 95th – 100th percentile with values up to 716.1 ppm Pb; and eight Zn samples ranking in the 95-100th percentile, up to 2298 ppm Zn. There are all also sporadic elevated arsenic values, up to 267.8 ppm As. Only three soil samples collected on the Quarterback grid were above background levels (75th percentile, 1.1 ppm Ag; Figure 6-1).

7.0 CONCLUSIONS AND RECOMMENDATIONS

The Quarterback property consists of 128 contiguous mineral claims covering an area with Ag-Pb-Zn showings and anomalies in the Cassiar Platform of southern Yukon. Silver Predator is targeting silver-bearing massive sulphide mineralization. Historical work on the property has identified massive sulphides consisting of pyrite-pyrrhotite ± sphalerite ± galena ± zinc in possible Manto-type replacements; and carbonate replacement mineralization in jasperoid altered horizons.

The 2011 field program consisted of the collection of 204 gridded soil samples on the southern portion of the claims to infill a gap in historical soil geochemical dataset in a perspective area ("Area B"). The program identified one new multi-element Pb+Zn±As geochemical anomaly in Area B. No new silver anomalies were detected.

8.0 2011 EXPENDITURES

Expenditures for the 2011 exploration program for Quarterback and Pigskin were $61,894.65 as summarized in Table 8-1. The total number of soil samples collected on both properties was 499: 204 for Quarterback (41%) and 295 for Pigskin (59%).

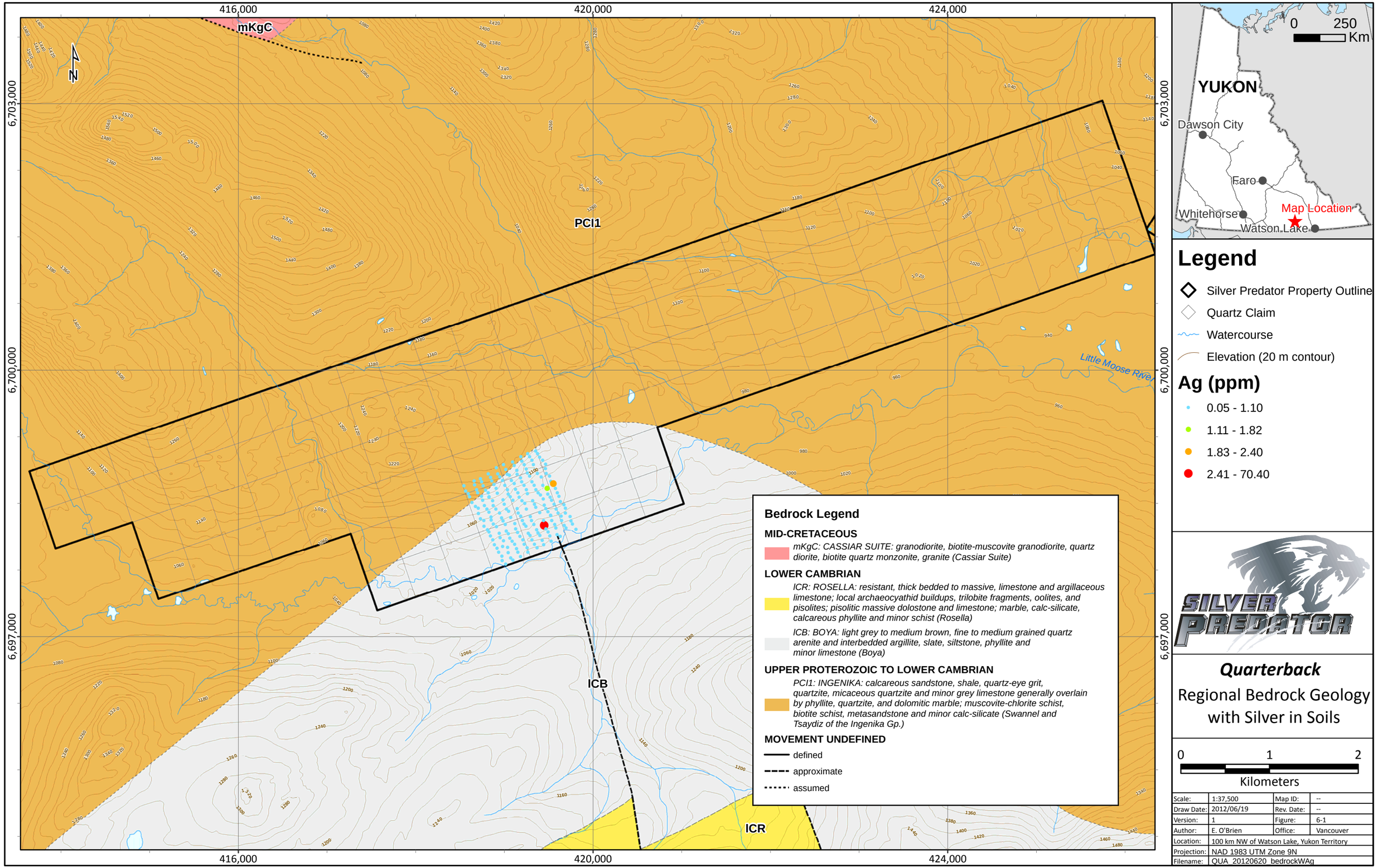
Table 8-1. 2011 Expenditures for Quarterback and Pigskin Projects

Consulting Fees - Aurora Geosciences Ltd.	$17,589.00
Communications	$270.99
Room and Board	$4242.66
Helicopter	$27641.25
4x4 Truck	$1260.00
Fuel	$160.25
Assays - 501 soil samples	$10,730.50
Food	$1,200.00
Total Expenditures	**$61,894.65**

9.0 STATEMENT OF AUTHORSHIP

This Report titled "Assessment Report, 2011 Geochemical Sampling Program, Quarterback Project, Watson Lake Mining Division, Yukon Territory, Canada", and dated June 22nd, 2012 was prepared and signed by the following author:

Erin O'Brien, M.Sc., P.Geo.
Dated: June 22nd,, 2012
Vancouver, British Columbia



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Version:	1	Figure:	6-1
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Location:	100 km NW of Watson Lake, Yukon Territory		
Projection:	NAD 1983 UTM Zone 9N		
Filename:	QUA_20120620_bedrockWAg		

10.0 REFERENCES

Gordey, S.P. and A.J. Makepeace (compilers), 2001. Bedrock Geology, Yukon Territory; Geological Survey of Canada. Open File 3754 and Exploration, Exploration and Geological Services Division, Yukon and Northern Affairs Canada, Open File 2001-1, scale 1: 1,000,000.

Pope, M.C., Sears, J.W, 1977. Cassiar Platform, North-Central British Columbia: A Miogeoclinal Fragment from Idaho, *Geology*, June, 1997, v. 25, p. 515-518.

Verley, C.G., 1980. Geological and Geochemical Report on the Moose Claim Group for Amax Minerals Exploration. Assessment Report 090676.

Wengzynowski, W.A., 1997. Assessment Report Describing 1996 Geological Mapping, Prospecting, Soil Geochemistry and Geophysical Surveys on the QB Property for Nordac Resources. Assessment Report 093674.

Wengzynowski, W.A., 1998. Assessment Report Describing 1996 Geological Mapping, Prospecting, Soil Geochemistry, Excavator Trenching and Diamond Drilling on the QB Property for Nordac Resources. Assessment Report 093819.

Wengzynowski, W.A., 2007. Assessment Report Describing Hand Trenching on the QB Property for Valencia Ventures Inc. and Strategic Metals Ltd.

Appendix 1
Statement of Qualifications

Erin Kathleen O'Brien
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Vancouver, British Columbia
Canada V6C 3K4
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CERTIFICATE OF AUTHOR

I, Erin Kathleen O'Brien of 11th Floor, 888 Dunsmuir, Vancouver, British Columbia, certify that:

1. I am a graduate of McGill University of Quebec with a B.Sc. Joint Major in Geology and Environmental Studies, in 1994 and a M.Sc. in Geology from the University of New Brunswick in 1996;
2. I have practiced my profession as a mineral exploration or environmental geologist with Caracle Creek International Consultants Inc., Golder Associates Ltd., Morrow Environmental Consultants Inc. (SNC Lavalin Environment) and as a geological consultant for 15 years, where I have been involved with the geological exploration of precious and base metal properties and deposits in a variety of capacities;
3. I have been operating a business as a geological consultant under my own name since 1996, and consulted for Golden Predator Canada Corp. between September, 2009 and March 2010. I became a full time employee of Golden Predator Canada Corp. in April, 2010 and am, on occasion, seconded to Silver Predator Canada Corp.
4. I am a Professional Geoscientist registered with the Association of Professional Geoscientists and Engineers of British Columbia and have been since 2001;
5. I am author of this Report "Assessment Report, 2011 Geochemical Sampling Program Quarterback Property, Watson Lake Mining Division, Yukon, Canada; dated June 22nd, 2012;" and
6. I have reviewed the geological data and am not aware of any material facts or change in facts at the time this certification is dated.

Erin K. O'Brien, M.Sc., P.Geo.

Vancouver, British Columbia
Dated this 22nd Day of June, 2012

Appendix 2
Analytical Summary

Quarterback Soil Sample Decriptions

Site	SampleID	Datum	Easting	Northing	Elevation (m)	Date	Depth (cm)	Horizon	Terrain	Veg Cover	Colour	Sand %	Silt %	Clay %	Orgc %	Clast %	Parent	Moisture	Comment
QUA	618101	UTM83-9	419353	6699091	1114	26-Sep-11	>70	C	Mid Slope	Evergreen	Yellow	70	30	0	0	0	Weathered bedrock	Partially Frozen	
QUA	618102	UTM83-9	419374	6699059	1118	26-Sep-11	>70	C	Mid Slope	Evergreen	Yellow	70	20	0	10	0	Weathered bedrock	Partially Frozen	
QUA	618103	UTM83-9	419398	6699021	1109	26-Sep-11	>70	C	Mid Slope	Evergreen	Yellow	50	50	0	0	0	Weathered bedrock	Partially Frozen	
QUA	618104	UTM83-9	419432	6698987	1094	26-Sep-11	60-70	B/C	Mid Slope	Evergreen	Dark Brown	20	20	40	20	0	Till	Partially Frozen	
QUA	618105	UTM83-9	419466	6698944	1090	26-Sep-11	40-50	B	Mid Slope	Evergreen	Light Brown	0	30	40	30	0	Till	Partially Frozen	
QUA	618106	UTM83-9	419464	6698893	1083	26-Sep-11	60-70	C	Mid Slope	Evergreen	Light Brown	70	30	0	0	0	Weathered bedrock	Partially Frozen	
QUA	618107	UTM83-9	419473	6698840	1069	26-Sep-11	30-40	B	Mid Slope	Evergreen	Light Brown	0	30	30	40	0	Till	Partially Frozen	
QUA	618108	UTM83-9	419511	6698810	1061	26-Sep-11	40-50	B	Mid Slope	Evergreen	Light Brown	30	40	0	30	0	Weathered bedrock	Partially Frozen	
QUA	618109	UTM83-9	419525	6698749	1041	26-Sep-11	60-70	C	Mid Slope	Evergreen	Orange	100	0	0	0	0	Weathered bedrock	Dry	
QUA	618110	UTM83-9	419552	6698721	1053	26-Sep-11	40-50	C	Plateau	Evergreen	Orange	50	40	0	10	0	Weathered bedrock	Partially Frozen	
QUA	618111	UTM83-9	419576	6698670	1061	26-Sep-11	40-50	B/C	Plateau	Evergreen	Orange	40	40	0	20	0	Weathered bedrock	Partially Frozen	
QUA	618112	UTM83-9	419597	6698620	1052	26-Sep-11	50-60	C	Plateau	Evergreen	Yellow	70	30	0	0	0	Weathered bedrock	Partially Frozen	
QUA	618113	UTM83-9	419616	6698578	1046	26-Sep-11	30-40	B	Plateau	Evergreen	Light Brown	25	25	15	25	0	Weathered bedrock	Partially Frozen	
QUA	618114	UTM83-9	419633	6698520	1034	26-Sep-11	>70	C	Plateau	Evergreen	Yellow	70	30	0	0	0	Weathered bedrock	Partially Frozen	
QUA	618115	UTM83-9	419673	6698486	1041	26-Sep-11	30-40	C	Mid Slope	Evergreen	Yellow	50	50	0	0	0	Weathered bedrock	Partially Frozen	
QUA	618116	UTM83-9	419689	6698445	1038	26-Sep-11	>70	C	Plateau	Evergreen	Yellow	70	30	0	0	0	Weathered bedrock	Dry	
QUA	618117	UTM83-9	419689	6698392	1021	26-Sep-11	40-50	B/C	Plateau	Evergreen	Yellow	45	30	0	0	25	Weathered bedrock	Dry	
QUA	618118	UTM83-9	419741	6698354	1011	26-Sep-11	40-50	C	Plateau	Evergreen	Yellow	70	30	0	0	0	Weathered bedrock	Dry	
QUA	618119	UTM83-9	419752	6698302	1005	26-Sep-11	50-60	C	Mid Slope	Evergreen	Yellow	80	10	0	0	10	Weathered bedrock	Dry	
QUA	618120	UTM83-9	419769	6698270	1000	26-Sep-11	30-40	B/C	Mid Slope	Evergreen	Light Brown	80	0	0	10	10	Weathered bedrock	Moist	
QUA	618121	UTM83-9	419809	6698211	993	26-Sep-11	20-30	B	Plateau	Evergreen	Light Brown	20	40	0	40	0	Talus/colluvium	Partially Frozen	
QUA	618122	UTM83-9	419695	6698224	994	26-Sep-11	>70	C	Lowland	Evergreen	Light Brown	70	30	0	0	0	(glacio)-fluvial	Moist	
QUA	618123	UTM83-9	419675	6698254	1016	26-Sep-11	40-50	C	Mid Slope	Evergreen	Orange	100	0	0	0	0	Weathered bedrock	Dry	
QUA	618124	UTM83-9	419646	6698309	989	26-Sep-11	40-50	C	Plateau	Evergreen	Yellow	80	20	0	0	0	Weathered bedrock	Moist	duplicate of 618695
QUA	618125	UTM83-9	419641	6698357	1038	26-Sep-11	30-40	B	Plateau	Evergreen	Orange	20	40	0	20	20	Weathered bedrock	Partially Frozen	
QUA	618126	UTM83-9	419607	6698389	1029	26-Sep-11	30-40	B/C	Mid Slope	Evergreen	Orange	40	40	0	20	0	Weathered bedrock	Partially Frozen	
QUA	618127	UTM83-9	419586	6698435	1049	26-Sep-11	50-60	C	Lowland	Mixed forest	Light Brown	0	0	0	0	0	Till	Dry	
QUA	618128	UTM83-9	419263	6699060	1122	27-Sep-11	60-70	B/C	Mid Slope	Evergreen	Light Brown	50	20	0	30	0	Weathered bedrock	Partially Frozen	

Quarterback Soil Sample Decriptions

Site	SampleI D	Datum	Easting	Northing	Elevatio n (m)	Date	Depth (cm)	Horizon	Terrain	Veg Cover	Colour	Sand %	Silt %	Clay %	Orgc %	Clast %	Parent	Moisture	Comment
QUA	618129	UTM83-9	419285	6699023	1129	27-Sep-11	60-70	B/C	Mid Slope	Mixed forest	Light Brown	50	30	0	20	0	Weathered bedrock	Partially Frozen	
QUA	618130	UTM83-9	419311	6698984	1141	27-Sep-11	>70	C	Mid Slope	Evergreen	Yellow	70	30	0	0	0	Weathered bedrock	Partially Frozen	
QUA	618131	UTM83-9	419328	6698934	1094	27-Sep-11	>70	C	Mid Slope	Evergreen	Yellow	80	20	0	0	0	Weathered bedrock	Dry	
QUA	618132	UTM83-9	419344	6698880	1106	27-Sep-11	50-60	C	Mid Slope	Evergreen	Yellow	80	20	0	0	0	Weathered bedrock	Dry	
QUA	618133	UTM83-9	419373	6698840	1082	27-Sep-11	40-50	C	Mid Slope	Evergreen	Light Brown	50	50	0	0	0	Weathered bedrock	Partially Frozen	
QUA	618134	UTM83-9	419417	6698798	1069	27-Sep-11	20-30	B	Mid Slope	Evergreen	Light Brown	20	20	0	30	30	Weathered bedrock	Moist	
QUA	618135	UTM83-9	419434	6698706	1057	27-Sep-11	40-50	B	Plateau	Evergreen	Light Brown	25	25	0	25	25	Weathered bedrock	Partially Frozen	
QUA	618136	UTM83-9	419483	6698673	1054	27-Sep-11	30-40	B	Plateau	Evergreen	Light Brown	25	25	0	25	25	Weathered bedrock	Moist	
QUA	618137	UTM83-9	419491	6698603	1064	27-Sep-11	40-50	B	Plateau	Evergreen	Light Brown	25	25	0	25	25	Weathered bedrock	Partially Frozen	
QUA	618138	UTM83-9	419517	6698569	1044	27-Sep-11	50-60	B	Plateau	Evergreen	Light Brown	40	30	0	10	20	Weathered bedrock	Partially Frozen	
QUA	618139	UTM83-9	419533	6698536	1053	27-Sep-11	40-50	B/C	Plateau	Evergreen	Light Brown	40	30	0	15	15	Weathered bedrock	Partially Frozen	
QUA	618140	UTM83-9	419562	6698489	1053	27-Sep-11	30-40	B	Plateau	Evergreen	Orange	40	20	0	20	20	Weathered bedrock	Dry	
QUA	618141	UTM83-9	419632	6698128	1008	27-Sep-11	50-60	C	Lowland	Evergreen	Light Brown	100	0	0	0	0	(glacio)-fluvial	Dry	from marsh
QUA	618142	UTM83-9	419595	6698150	1004	27-Sep-11	50-60	C	Lowland	Evergreen	Light Brown	100	0	0	0	0	(glacio)-fluvial	Moist	
QUA	618143	UTM83-9	419581	6698223	1025	27-Sep-11	30-40	B	Ridge Top	Evergreen	Orange	50	30	20	0	0	Weathered bedrock	Moist	
QUA	618144	UTM83-9	419569	6698262	1025	27-Sep-11	40-50	B/C	Plateau	Evergreen	Orange	100	0	0	0	0	Weathered bedrock	Moist	
QUA	618145	UTM83-9	419536	6698309	1022	27-Sep-11	>70	C	Plateau	Evergreen	Yellow	70	30	0	0	0	Weathered bedrock	Moist	
QUA	618146	UTM83-9	419523	6698365	1030	27-Sep-11	50-60	C	Mid Slope	Evergreen	Yellow	55	25	0	10	10	Weathered bedrock	Dry	
QUA	618147	UTM83-9	419522	6698365	1011	27-Sep-11	50-60	C	Mid Slope	Evergreen	Yellow	55	25	0	10	10	Weathered bedrock	Dry	
QUA	618148	UTM83-9	419492	6698405	1045	27-Sep-11	50-60	B/C	Mid Slope	Evergreen	Orange	80	20	0	0	0	Weathered bedrock	Moist	
QUA	618149	UTM83-9	419469	6698443	1051	27-Sep-11	40-50	B/C	Mid Slope	Evergreen	Light Brown	35	35	0	15	15	Weathered bedrock	Moist	
QUA	618150	UTM83-9	419451	6698480	1056	27-Sep-11	20-30	B	Plateau	Evergreen	Light Brown	25	25	0	25	25	Weathered bedrock	Moist	rocky soil
QUA	618151	UTM83-9	419440	6698550	1061	27-Sep-11	40-50	B/C	Mid Slope	Evergreen	Light Brown	60	20	20	0	0	Weathered bedrock	Moist	
QUA	618152	UTM83-9	419409	6698594	1060	27-Sep-11	30-40	B/C	Plateau	Evergreen	Light Brown	50	30	0	10	15	Weathered bedrock	Partially Frozen	rocky soil
QUA	618153	UTM83-9	419381	6698619	1063	27-Sep-11	40-50	B/C	Mid Slope	Evergreen	Light Brown	35	35	0	0	30	Weathered bedrock	Partially Frozen	from marsh
QUA	618154	UTM83-9	419357	6698653	1063	27-Sep-11	20-30	B	Mid Slope	Evergreen	Orange	50	0	0	25	25	Weathered bedrock	Partially Frozen	
QUA	618155	UTM83-9	419336	6698705	1075	27-Sep-11	30-40	B/C	Plateau	Evergreen	Yellow	70	20	0	0	10	Weathered bedrock	Moist	
QUA	618156	UTM83-9	419312	6698743	1088	27-Sep-11	50-60	C	Mid Slope	Evergreen	Yellow	80	20	0	0	0	Weathered bedrock	Partially Frozen	

Quarterback Soil Sample Decriptions

Site	SampleI D	Datum	Easting	Northing	Elevatio n (m)	Date	Depth (cm)	Horizon	Terrain	Veg Cover	Colour	Sand %	Silt %	Clay %	Orgc %	Clast %	Parent	Moisture	Comment
QUA	618157	UTM83-9	419285	6698806	1106	27-Sep-11	50-60	B/C	Mid Slope	Evergreen	Light Brown	90	0	0	0	10	Weathered bedrock	Dry	
QUA	618158	UTM83-9	419260	6698842	1110	27-Sep-11	50-60	C	Mid Slope	Evergreen	Yellow	70	30	0	0	0	Weathered bedrock	Partially Frozen	
QUA	618159	UTM83-9	419182	6697903	1007	27-Sep-11	40-50	C	Lowland	Mixed forest	Yellow	100	0	0	0	0	(glacio)-fluvial	Moist	
QUA	618160	UTM83-9	419153	6697950	1003	27-Sep-11	50-60	C	Lowland	Marsh	Yellow	80	10	0	10	0	(glacio)-fluvial	Moist	
QUA	618651	UTM83-9	418990	6698935	1146	26-Sep-11	40-50	C	Lowland	Evergreen	Light Brown	40	55	0	5	0	Weathered bedrock	Partially Frozen	
QUA	618652	UTM83-9	419017	6698880	1140	26-Sep-11	40-50	C	Lowland	Evergreen	Light Brown	40	45	0	5	10	Weathered bedrock	Partially Frozen	
QUA	618653	UTM83-9	419034	6698828	1153	26-Sep-11	30-40	B/C	Lowland	Mixed forest	Light Brown	20	55	0	15	10	Weathered bedrock	Moist	Poor
QUA	618654	UTM83-9	419056	6698819	1128	26-Sep-11	30-40	C	Lowland	Mixed forest	Light Brown	30	55	0	5	10	Weathered bedrock	Moist	
QUA	618655	UTM83-9	419079	6698758	1116	26-Sep-11	30-40	C	Lowland	Evergreen	Light Brown	25	45	20	5	5	Weathered bedrock	Wet	
QUA	618656	UTM83-9	419111	6698726	1121	26-Sep-11	40-50	C	Lowland	Evergreen	Light Brown	20	55	0	10	15	Weathered bedrock	Moist	
QUA	618657	UTM83-9	419126	6698661	1080	26-Sep-11	60-70	B/C	Lowland	Mixed forest	Light Brown	30	45	0	10	15	Weathered bedrock	Moist	
QUA	618658	UTM83-9	419153	6698618	1069	26-Sep-11	30-40	C	Lowland	Evergreen	Light Brown	25	50	0	5	20	Weathered bedrock	Moist	
QUA	618659	UTM83-9	419167	6698571	1091	26-Sep-11	30-40	C	Lowland	Mixed forest	Light Brown	15	65	0	5	15	Weathered bedrock	Moist	
QUA	618660	UTM83-9	419198	6698529	1033	26-Sep-11	30-40	B/C	Lowland	Evergreen	Light Brown	10	60	0	15	15	Weathered bedrock	Moist	
QUA	618661	UTM83-9	419230	6698500	1055	26-Sep-11	20-30	C	Lowland	Evergreen	Light Brown	30	0	50	5	15	Weathered bedrock	Moist	
QUA	618662	UTM83-9	419249	6698438	1045	26-Sep-11	30-40	B/C	Lowland	Evergreen	Light Brown	25	50	0	15	10	Weathered bedrock	Moist	
QUA	618663	UTM83-9	419293	6698353	1027	26-Sep-11	>70	B/C	Lowland	Mixed forest	Light Brown	35	40	0	10	15	Talus/colluvium	Wet	
QUA	618664	UTM83-9	419307	6698306	1029	26-Sep-11	40-50	B/C	Lowland	Mixed forest	Light Brown	25	50	0	5	20	Talus/colluvium	Wet	
QUA	618665	UTM83-9	419332	6698262	1023	26-Sep-11	20-30	B/C	Lowland	Mixed forest	Light Brown	25	50	0	15	10	Weathered bedrock	Moist	
QUA	618666	UTM83-9	419365	6698206	1008	26-Sep-11	30-40	B/C	Lowland	Mixed forest	Light Brown	15	70	0	5	10	Weathered bedrock	Moist	
QUA	618667	UTM83-9	419379	6698171	1013	26-Sep-11	40-50	C	Lowland	Mixed forest	Light Brown	10	60	0	10	20	Weathered bedrock	Moist	
QUA	618668	UTM83-9	419402	6698138	1009	26-Sep-11	50-60	C	Lowland	Mixed forest	Light Brown	55	35	0	0	10	Weathered bedrock	Moist	
QUA	618669	UTM83-9	419428	6698084	1010	26-Sep-11	20-30	C	Lowland	Mixed forest	Orange	45	35	0	5	15	Weathered bedrock	Moist	
QUA	618670	UTM83-9	419445	6698036	1006	26-Sep-11	20-30	B/C	Lowland	Mixed forest	Light Brown	25	55	0	10	10	Weathered bedrock	Moist	muscovite in soil
QUA	618671	UTM83-9	419529	6698077	1002	27-Sep-11	0-10	C	Lowland	Mixed forest	Light Brown	75	5	0	5	15	Till	Moist	
QUA	618672	UTM83-9	419513	6698136	1013	27-Sep-11	>70	B/C	Lowland	Mixed forest	Dark Brown	30	50	0	15	5	Talus/colluvium	Wet	Poor
QUA	618673	UTM83-9	419494	6698178	997	27-Sep-11	40-50	B/C	Lowland	Mixed forest	Light Brown	30	40	0	10	20	Talus/colluvium	Moist	
QUA	618674	UTM83-9	419469	6698213	1018	27-Sep-11	40-50	B/C	Lowland	Mixed forest	Light Brown	20	60	0	10	10	Talus/colluvium	Moist	Accidental dup of 618887.

Quarterback Soil Sample Decriptions

Site	SampleI D	Datum	Easting	Northing	Elevatio n (m)	Date	Depth (cm)	Horizon	Terrain	Veg Cover	Colour	Sand %	Silt %	Clay %	Orgc %	Clast %	Parent	Moisture	Comment
QUA	618675	UTM83-9	419450	6698255	1009	27-Sep-11	50-60	B/C	Lowland	Mixed forest	Light Brown	30	50	0	10	10	Weathered bedrock	Moist	
QUA	618676	UTM83-9	419443	6698308	1018	27-Sep-11	20-30	B/C	Lowland	Mixed forest	Light Brown	15	55	0	15	15	Weathered bedrock	Moist	
QUA	618677	UTM83-9	419400	6698397	1029	27-Sep-11	40-50	C	Lowland	Mixed forest	Light Brown	30	50	0	10	10	Weathered bedrock	Moist	
QUA	618678	UTM83-9	419354	6698457	1037	27-Sep-11	40-50	B/C	Lowland	Mixed forest	Light Brown	20	45	0	10	25	Talus/ colluvium	Dry	
QUA	618679	UTM83-9	419338	6698490	1052	27-Sep-11	40-50	C	Lowland	Mixed forest	Light Brown	75	15	0	5	5	Weathered bedrock	Moist	
QUA	618680	UTM83-9	419319	6698531	1054	27-Sep-11	40-50	B/C	Lowland	Mixed forest	Light Brown	35	40	0	5	20	Weathered bedrock	Moist	
QUA	618681	UTM83-9	419259	6698612	1057	27-Sep-11	50-60	C	Lowland	Mixed forest	Light Brown	35	40	0	5	20	Weathered bedrock	Moist	
QUA	618682	UTM83-9	419249	6698655	1042	27-Sep-11	40-50	B/C	Lowland	Mixed forest	Light Brown	25	55	0	10	10	Weathered bedrock	Moist	
QUA	618683	UTM83-9	419221	6698703	1089	27-Sep-11	60-70	B/C	Lowland	Mixed forest	Light Brown	15	60	0	10	15	Weathered bedrock	Moist	
QUA	618684	UTM83-9	419196	6698744	1100	27-Sep-11	40-50	B/C	Lowland	Mixed forest	Light Brown	20	55	0	10	15	Weathered bedrock	Moist	questionable sample quality
QUA	618685	UTM83-9	419181	6698790	1117	27-Sep-11	50-60	B/C	Lowland	Mixed forest	Light Brown	15	70	0	5	10	Weathered bedrock	Moist	
QUA	618686	UTM83-9	419144	6698828	1116	27-Sep-11	40-50	B/C	Lowland	Mixed forest	Light Brown	30	45	0	10	15	Weathered bedrock	Moist	
QUA	618687	UTM83-9	419140	6698870	1124	27-Sep-11	40-50	C	Lowland	Mixed forest	Light Brown	20	65	0	5	10	Weathered bedrock	Moist	duplicate of 618990
QUA	618688	UTM83-9	419111	6698929	1160	27-Sep-11	40-50	C	Lowland	Mixed forest	Light Brown	20	55	15	5	5	Weathered bedrock	Moist	
QUA	618689	UTM83-9	419093	6698966	1145	27-Sep-11	40-50	B/C	Lowland	Mixed forest	Light Brown	10	75	0	5	10	Weathered bedrock	Moist	
QUA	618690	UTM83-9	419185	6699026	1156	27-Sep-11	30-40	C	Lowland	Mixed forest	Light Brown	5	80	0	5	10	Weathered bedrock	Moist	
QUA	618691	UTM83-9	419198	6698974	1126	27-Sep-11	60-70	B/C	Lowland	Mixed forest	Light Brown	10	70	0	10	10	Weathered bedrock	Moist	
QUA	618692	UTM83-9	419224	6698938	1122	27-Sep-11	60-70	C	Lowland	Mixed forest	Light Brown	20	65	0	5	10	Weathered bedrock	Moist	
QUA	618693	UTM83-9	419247	6698888	1115	27-Sep-11	50-60	C	Lowland	Mixed forest	Light Brown	10	85	0	0	5	Weathered bedrock	Moist	
QUA	618694	UTM83-9	419209	6698091	1017	27-Sep-11	30-40	B/C	Lowland	Mixed forest	Light Brown	45	30	0	5	20	Weathered bedrock	Moist	
QUA	618801	UTM83-9	418544	6698698	1134	26-Sep-11	>70	B/C	Mid Slope	Mixed forest	Light Brown	35	45	15	5	0	Weathered bedrock	Moist	
QUA	618802	UTM83-9	418564	6698641	1135	26-Sep-11	10-20	B	Mid Slope	Mixed forest	Orange	25	60	0	10	5	Weathered bedrock	Moist	
QUA	618803	UTM83-9	418593	6698611	1129	26-Sep-11	60-70	B	Mid Slope	Mixed forest	Light Brown	20	50	15	10	5	Weathered bedrock	Moist	rocky ground
QUA	618804	UTM83-9	418609	6698575	1125	26-Sep-11	10-20	B	Mid Slope	Mixed forest	Light Brown	25	45	0	10	20	Weathered bedrock	Moist	
QUA	618805	UTM83-9	418635	6698509	1126	26-Sep-11	40-50	B	Mid Slope	Mixed forest	Dark Brown	25	50	0	10	15	Weathered bedrock	Moist	unsure of parent material
QUA	618806	UTM83-9	418675	6698467	1102	26-Sep-11	40-50	B	Mid Slope	Mixed forest	Dark Brown	30	35	5	20	10	Weathered bedrock	Moist	
QUA	618807	UTM83-9	418705	6698448	1097	26-Sep-11	30-40	B	Mid Slope	Mixed forest	Light Brown	45	40	0	10	5	Weathered bedrock	Moist	
QUA	618808	UTM83-9	418709	6698387	1086	26-Sep-11	40-50	B	Mid Slope	Mixed forest	Light Brown	30	40	10	15	5	Weathered bedrock	Wet	

Quarterback Soil Sample Decriptions

Site	SampleI D	Datum	Easting	Northing	Elevatio n (m)	Date	Depth (cm)	Horizon	Terrain	Veg Cover	Colour	Sand %	Silt %	Clay %	Orgc %	Clast %	Parent	Moisture	Comment
QUA	618809	UTM83-9	418730	6698328	1097	26-Sep-11	50-60	B	Mid Slope	Mixed forest	Light Brown	30	45	5	15	5	Weathered bedrock	Moist	
QUA	618810	UTM83-9	418770	6698310	1064	26-Sep-11	40-50	B	Mid Slope	Mixed forest	Light Brown	30	45	10	10	5	Weathered bedrock	Moist	
QUA	618811	UTM83-9	418771	6698242	1071	26-Sep-11	20-30	B	Mid Slope	Mixed forest	Orange	30	50	0	10	10	Weathered bedrock	Moist	
QUA	618812	UTM83-9	418811	6698202	1074	26-Sep-11	40-50	B	Mid Slope	Mixed forest	Light Brown	40	40	0	15	5	Weathered bedrock	Moist	
QUA	618813	UTM83-9	418826	6698181	1053	26-Sep-11	30-40	B	Mid Slope	Mixed forest	Orange	35	35	0	10	20	Weathered bedrock	Moist	
QUA	618814	UTM83-9	418844	6698134	1049	26-Sep-11	30-40	B	Mid Slope	Mixed forest	Light Brown	35	40	0	5	20	Weathered bedrock	Moist	
QUA	618815	UTM83-9	418868	6698090	1035	26-Sep-11	40-50	B	Mid Slope	Mixed forest	Light Brown	35	40	5	15	5	Weathered bedrock	Moist	
QUA	618816	UTM83-9	418888	6698037	1021	26-Sep-11	30-40	B	Mid Slope	Mixed forest	Light Brown	30	40	0	10	20	Weathered bedrock	Moist	
QUA	618817	UTM83-9	418918	6697995	998	26-Sep-11	50-60	B/C	Mid Slope	Mixed forest	Orange	55	30	0	10	5	Weathered bedrock	Moist	rocky ground
QUA	618818	UTM83-9	418935	6697950	1019	26-Sep-11	50-60	B/C	Plateau	Mixed forest	Light Brown	35	60	0	5	0	Weathered bedrock	Moist	
QUA	618819	UTM83-9	418972	6697907	1010	26-Sep-11	30-40	B	Plateau	Mixed forest	Light Brown	35	50	0	10	5	Weathered bedrock	Moist	GPS did not record some data
QUA	618820	UTM83-9	418975	6697857	1008	26-Sep-11	30-40	B	Plateau	Mixed forest	Light Brown	35	50	0	10	5	Weathered bedrock	Moist	
QUA	618821	UTM83-9	419016	6697815	1009	26-Sep-11	40-50	B/C	Lowland	Mixed forest	Orange	40	40	5	10	5	Weathered bedrock	Moist	
QUA	618822	UTM83-9	419096	6697860	1008	26-Sep-11	30-40	B	Lowland	Mixed forest	Orange	40	40	0	10	10	Weathered bedrock	Moist	
QUA	618823	UTM83-9	419071	6697887	1001	26-Sep-11	60-70	B/C	Plateau	Mixed forest	Light Brown	45	40	0	5	10	Weathered bedrock	Moist	
QUA	618824	UTM83-9	419043	6697947	1000	26-Sep-11	40-50	B	Plateau	Mixed forest	Light Brown	45	40	0	10	5	Weathered bedrock	Moist	
QUA	618825	UTM83-9	419037	6698005	1003	26-Sep-11	60-70	B	Plateau	Mixed forest	Light Brown	45	45	0	10	0	Weathered bedrock	Moist	
QUA	618826	UTM83-9	418981	6698017	1004	26-Sep-11	50-60	B	Plateau	Mixed forest	Light Brown	40	40	0	20	0	Weathered bedrock	Moist	rocky ground
QUA	618827	UTM83-9	418990	6698079	1035	26-Sep-11	30-40	B	Mid Slope	Mixed forest	Light Brown	35	40	0	10	15	Weathered bedrock	Moist	
QUA	618828	UTM83-9	418953	6698117	1023	26-Sep-11	20-30	B	Mid Slope	Mixed forest	Light Brown	35	40	0	10	15	Weathered bedrock	Moist	
QUA	618829	UTM83-9	418943	6698165	1017	26-Sep-11	30-40	B	Mid Slope	Mixed forest	Light Brown	35	40	0	10	15	Weathered bedrock	Moist	
QUA	618830	UTM83-9	418910	6698236	1056	27-Sep-11	30-40	B	Mid Slope	Evergreen	Orange	35	50	0	10	5	Weathered bedrock	Moist	
QUA	618831	UTM83-9	418877	6698267	1052	27-Sep-11	>70	B	Mid Slope	Evergreen	Light Brown	40	45	0	10	5	Weathered bedrock	Moist	
QUA	618832	UTM83-9	418851	6698312	1058	27-Sep-11	20-30	B	Mid Slope	Evergreen	Light Brown	30	45	0	20	5	Weathered bedrock	Moist	
QUA	618833	UTM83-9	418850	6698347	1079	27-Sep-11	30-40	B	Mid Slope	Evergreen	Light Brown	20	60	0	10	10	Weathered bedrock	Moist	on flood plain of river
QUA	618834	UTM83-9	418827	6698401	1080	27-Sep-11	40-50	B	Mid Slope	Evergreen	Light Brown	40	45	0	10	5	Weathered bedrock	Moist	on flood plain of river
QUA	618835	UTM83-9	418803	6698437	1091	27-Sep-11	30-40	B	Mid Slope	Evergreen	Dark Brown	25	50	0	10	15	Weathered bedrock	Moist	
QUA	618836	UTM83-9	418776	6698474	1098	27-Sep-11	30-40	B	Mid Slope	Evergreen	Dark Brown	20	65	0	10	5	Weathered bedrock	Moist	unsure of parent material

Quarterback Soil Sample Decriptions

Site	SampleI D	Datum	Easting	Northing	Elevatio n (m)	Date	Depth (cm)	Horizon	Terrain	Veg Cover	Colour	Sand %	Silt %	Clay %	Orgc %	Clast %	Parent	Moisture	Comment
QUA	618837	UTM83-9	418755	6698537	1118	27-Sep-11	40-50	B	Mid Slope	Evergreen	Light Brown	30	50	0	5	15	Weathered bedrock	Moist	
QUA	618838	UTM83-9	418743	6698580	1114	27-Sep-11	40-50	B	Mid Slope	Evergreen	Dark Brown	30	50	0	10	10	Weathered bedrock	Moist	
QUA	618839	UTM83-9	418699	6698618	1128	27-Sep-11	40-50	B	Mid Slope	Evergreen	Dark Brown	25	60	0	10	5	Weathered bedrock	Moist	duplicate of 618146
QUA	618840	UTM83-9	418687	6698656	1134	27-Sep-11	>70	B	Mid Slope	Evergreen	Light Brown	25	45	20	10	0	Weathered bedrock	Moist	
QUA	618841	UTM83-9	418664	6698708	1139	27-Sep-11	>70	B	Mid Slope	Evergreen	Light Brown	30	45	15	10	0	Weathered bedrock	Moist	
QUA	618842	UTM83-9	418659	6698755	1132	27-Sep-11	>70	B	Mid Slope	Evergreen	Light Brown	30	40	20	10	0	Weathered bedrock	Moist	rocky ground
QUA	618843	UTM83-9	418731	6698780	1172	27-Sep-11	50-60	B	Mid Slope	Evergreen	Light Brown	30	45	15	10	0	Weathered bedrock	Moist	
QUA	618844	UTM83-9	418743	6698742	1153	27-Sep-11	40-50	B	Mid Slope	Evergreen	Light Brown	25	55	5	10	5	Weathered bedrock	Moist	
QUA	618845	UTM83-9	418760	6698700	1137	27-Sep-11	50-60	B	Mid Slope	Evergreen	Light Brown	40	45	5	10	0	Weathered bedrock	Moist	
QUA	618846	UTM83-9	418789	6698648	1132	27-Sep-11	30-40	B	Mid Slope	Evergreen	Light Brown	25	55	0	15	5	Weathered bedrock	Moist	
QUA	618847	UTM83-9	418818	6698620	1123	27-Sep-11	30-40	B	Mid Slope	Evergreen	Light Brown	25	50	0	10	15	Weathered bedrock	Moist	
QUA	618848	UTM83-9	418826	6698571	1124	27-Sep-11	50-60	B	Mid Slope	Evergreen	Light Brown	40	40	10	10	0	Weathered bedrock	Moist	
QUA	618849	UTM83-9	418829	6698577	1119	27-Sep-11	50-60	B	Mid Slope	Evergreen	Light Brown	40	40	10	10	0	Weathered bedrock	Moist	
QUA	618850	UTM83-9	418868	6698528	1104	27-Sep-11	50-60	B	Mid Slope	Evergreen	Light Brown	25	50	10	15	0	Weathered bedrock	Moist	
QUA	618851	UTM83-9	418874	6698475	1092	27-Sep-11	30-40	B	Mid Slope	Evergreen	Light Brown	20	65	0	10	5	Weathered bedrock	Moist	river adjacent
QUA	618852	UTM83-9	418905	6698436	1088	27-Sep-11	30-40	B	Mid Slope	Evergreen	Light Brown	25	50	0	10	15	Weathered bedrock	Moist	
QUA	618853	UTM83-9	418945	6698393	1088	27-Sep-11	30-40	B	Mid Slope	Evergreen	Light Brown	25	50	0	10	15	Weathered bedrock	Moist	
QUA	618854	UTM83-9	418969	6698338	1049	27-Sep-11	30-40	B	Mid Slope	Evergreen	Light Brown	25	50	0	10	15	Weathered bedrock	Moist	
QUA	618855	UTM83-9	418987	6698301	1038	27-Sep-11	40-50	B	Plateau	Evergreen	Light Brown	35	45	0	5	15	Weathered bedrock	Moist	
QUA	618856	UTM83-9	419010	6698264	1034	27-Sep-11	30-40	B	Plateau	Evergreen	Light Brown	20	50	0	10	20	Weathered bedrock	Moist	
QUA	618857	UTM83-9	419022	6698190	1038	27-Sep-11	30-40	B	Mid Slope	Evergreen	Light Brown	40	40	0	10	10	Weathered bedrock	Moist	
QUA	618858	UTM83-9	419045	6698158	1033	27-Sep-11	30-40	B	Mid Slope	Evergreen	Orange	30	40	0	10	20	Weathered bedrock	Moist	
QUA	618859	UTM83-9	419061	6698108	1029	27-Sep-11	30-40	B	Mid Slope	Evergreen	Light Brown	40	45	0	10	5	Weathered bedrock	Moist	mixed horizons - fault
QUA	618860	UTM83-9	419089	6698076	1015	27-Sep-11	20-30	B	Mid Slope	Evergreen	Light Brown	30	40	0	15	15	Weathered bedrock	Moist	
QUA	618861	UTM83-9	419116	6698042	1006	27-Sep-11	40-50	B	Plateau	Evergreen	Dark Grey	40	40	5	10	5	Weathered bedrock	Moist	
QUA	618862	UTM83-9	419137	6697989	1003	27-Sep-11	20-30	B	Plateau	Evergreen	Orange	30	40	0	15	15	Weathered bedrock	Moist	
QUA	618901	UTM83-9	418819	6698830	1160	26-Sep-11	30-40	B/C	Lowland	Evergreen	Light Brown	20	70	10	0	0	(glacio)-lacustrine	Dry	
QUA	618902	UTM83-9	418845	6698793	1150	26-Sep-11	20-30	B/C	Lowland	Evergreen	Light Brown	20	70	10	0	0	(glacio)-lacustrine	Dry	

Quarterback Soil Sample Decriptions

Site	SampleI D	Datum	Easting	Northing	Elevatio n (m)	Date	Depth (cm)	Horizon	Terrain	Veg Cover	Colour	Sand %	Silt %	Clay %	Orgc %	Clast %	Parent	Moisture	Comment
QUA	618903	UTM83-9	418858	6698754	1153	26-Sep-11	40-50	B	Lowland	Evergreen	Light Brown	15	70	15	0	0	(glacio)-lacustrine	Dry	
QUA	618904	UTM83-9	418882	6698712	1137	26-Sep-11	20-30	B	Lowland	Evergreen	Light Brown	30	60	10	0	0	(glacio)-lacustrine	Dry	
QUA	618905	UTM83-9	418908	6698668	1134	26-Sep-11	10-20	B	Lowland	Evergreen	Light Brown	40	50	10	0	0	Till	Dry	
QUA	618906	UTM83-9	418921	6698616	1125	26-Sep-11	20-30	B	Lowland	Evergreen	Light Brown	40	30	0	0	30	Till	Dry	
QUA	618907	UTM83-9	418985	6698540	1064	26-Sep-11	10-20	B	Lowland	Evergreen	Light Brown	35	30	45	0	0	Till	Dry	
QUA	618908	UTM83-9	418999	6698491	1084	26-Sep-11	20-30	B	Lowland	Evergreen	Light Brown	25	40	0	0	35	Till	Dry	
QUA	618909	UTM83-9	419023	6698437	1079	26-Sep-11	10-20	B	Lowland	Evergreen	Light Brown	20	40	0	0	40	Till	Dry	rocky
QUA	618910	UTM83-9	419049	6698410	1056	26-Sep-11	20-30	B	Lowland	Evergreen	Light Brown	20	40	0	0	40	Till	Dry	
QUA	618911	UTM83-9	419072	6698343	1044	26-Sep-11	30-40	B	Lowland	Evergreen	Light Brown	20	40	0	0	40	Till	Dry	
QUA	618912	UTM83-9	419118	6698273	1037	26-Sep-11	20-30	B/C	Lowland	Evergreen	Light Brown	20	50	10	0	20	Weathered bedrock	Dry	rocky
QUA	618913	UTM83-9	419128	6698213	1035	26-Sep-11	20-30	B	Lowland	Evergreen	Light Brown	30	55	0	0	15	Till	Dry	
QUA	618914	UTM83-9	419150	6698175	1022	26-Sep-11	20-30	B	Lowland	Evergreen	Light Brown	35	45	0	0	20	Till	Moist	
QUA	618915	UTM83-9	419175	6698129	1020	26-Sep-11	20-30	B	Lowland	Evergreen	Light Brown	30	40	0	0	30	Till	Moist	
QUA	618916	UTM83-9	418909	6698902	1163	27-Sep-11	30-40	B/C	Plateau	Evergreen	Light Brown	20	50	0	0	30	Till	Dry	
QUA	618917	UTM83-9	418926	6698830	1148	27-Sep-11	40-50	B/C	Plateau	Evergreen	Light Brown	15	55	20	0	10	Till	Dry	
QUA	618918	UTM83-9	418949	6698796	1150	27-Sep-11	30-40	B	Plateau	Evergreen	Light Brown	10	70	10	0	10	Till	Dry	
QUA	618919	UTM83-9	418981	6698759	1126	27-Sep-11	30-40	B	Plateau	Evergreen	Dark Brown	10	80	10	0	0	Till	Dry	
QUA	618920	UTM83-9	419004	6698705	1116	27-Sep-11	40-50	B	Plateau	Evergreen	Light Brown	10	60	20	0	10	Till	Moist	
QUA	618921	UTM83-9	419034	6698653	1102	27-Sep-11	50-60	B	Plateau	Evergreen	Light Brown	10	60	30	0	0	Till	Dry	
QUA	618922	UTM83-9	419043	6698604	1105	27-Sep-11	50-60	B	Mid Slope	Evergreen	Dark Brown	20	60	20	0	0	Till	Dry	
QUA	618923	UTM83-9	419066	6698575	1062	27-Sep-11	40-50	B	Plateau	Evergreen	Light Brown	10	40	30	0	20	Till	Moist	
QUA	618924	UTM83-9	419097	6698535	1069	27-Sep-11	50-60	B	Plateau	Evergreen	Dark Brown	10	50	20	0	20	Till	Dry	rocky
QUA	618925	UTM83-9	419145	6698439	1055	27-Sep-11	30-40	B	Plateau	Evergreen	Light Brown	10	50	10	0	30	Till	Dry	
QUA	618926	UTM83-9	419155	6698393	1061	27-Sep-11	0-10	B/C	Lowland	Evergreen	Orange	40	40	0	0	20	Weathered bedrock	Dry	
QUA	618927	UTM83-9	419184	6698356	1034	27-Sep-11	50-60	B/C	Lowland	Evergreen	Light Brown	20	40	10	0	30	Till	Dry	
QUA	618928	UTM83-9	419203	6698307	1037	27-Sep-11	30-40	B/C	Lowland	Evergreen	Light Brown	20	60	10	0	10	Till	Dry	
QUA	618929	UTM83-9	419222	6698268	1048	27-Sep-11	0-10	C	Lowland	Evergreen	Light Brown	50	35	0	0	15	Weathered bedrock	Dry	
QUA	618930	UTM83-9	419243	6698242	1047	27-Sep-11	40-50	B	Lowland	Evergreen	Light Brown	20	60	0	0	20	Till	Dry	

Quarterback Soil Sample Decriptions

Site	SampleID	Datum	Easting	Northing	Elevation (m)	Date	Depth (cm)	Horizon	Terrain	Veg Cover	Colour	Sand %	Silt %	Clay %	Orgc %	Clast %	Parent	Moisture	Comment
QUA	618931	UTM83-9	419270	6698163	1026	27-Sep-11	40-50	B/C	Lowland	Evergreen	Light Brown	20	60	10	0	10	Till	Dry	
QUA	618932	UTM83-9	419290	6698137	1012	27-Sep-11	40-50	B	Lowland	Evergreen	Light Brown	20	60	10	0	10	Till	Dry	Pyrite?
QUA	618933	UTM83-9	419312	6698091	1002	27-Sep-11	50-60	B/C	Lowland	Marsh	Light Brown	0	70	30	0	0	(glacio)-lacustrine	Moist	
QUA	618934	UTM83-9	419339	6698038	997	27-Sep-11	0-10	B/C	Lowland	Evergreen	Light Brown	20	70	10	0	0	Weathered bedrock	Dry	
QUA	618935	UTM83-9	419369	6697998	1002	27-Sep-11	50-60	B/C	Lowland	Evergreen	Light Brown	0	70	30	0	0	(glacio)-lacustrine	Moist	
QUA	618936	UTM83-9	419266	6697953	990	27-Sep-11	0-10	C	Lowland	Evergreen	Light Brown	25	60	0	0	15	Weathered bedrock	Dry	
QUA	618937	UTM83-9	419257	6698001	999	27-Sep-11	0-10	C	Lowland	Evergreen	Light Brown	10	70	0	0	20	Weathered bedrock	Dry	
QUA	618938	UTM83-9	419224	6698040	998	27-Sep-11	50-60	B	Lowland	Evergreen	Light Brown	20	50	30	0	0	(glacio)-lacustrine	Wet	

Appendix 3
Assay Certificates

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

www.acmelab.com

Client: **Silver Predator Corp**
201A-170 Titanium Way
Whitehorse Yukon Y1A 1G0 Canada

Submitted By: Farrell Andersen
Receiving Lab: Canada-Whitehorse
Received: October 25, 2011
Report Date: November 06, 2011
Page: 1 of 8

CERTIFICATE OF ANALYSIS WHI11001814.1

CLIENT JOB INFORMATION

Project: Quarterback
Shipment ID: QUA-2011-AC-1557
P.O. Number Quotation NA-11-435
Number of Samples: 204

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	204	Dry at 60C			WHI
SS80	204	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	204	Saving all or part of Soil Reject			WHI
1DX2	204	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Silver Predator Corp
201A-170 Titanium Way
Whitehorse Yukon Y1A 1G0
Canada

CC: Jack Cote
Andrew Caldwell
Gilles Dessureau

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.

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

Client: **Silver Predator Corp**
201A-170 Titanium Way
Whitehorse Yukon Y1A 1G0 Canada

Project: Quarterback
Report Date: November 06, 2011

CERTIFICATE OF ANALYSIS WHI11001814.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
618101	Soil	0.2	17.2	34.8	81	0.4	26.3	10.7	440	2.62	11.3	2.3	10.8	63	0.3	0.4	0.9	23	0.63	0.028	34
618102	Soil	0.2	18.8	47.8	117	0.4	28.0	13.0	568	3.16	16.6	1.1	12.9	78	0.4	0.6	1.0	24	0.54	0.041	38
618103	Soil	0.2	16.7	36.6	93	0.3	20.3	9.3	342	2.23	10.9	1.3	9.2	64	0.3	0.5	0.7	19	0.42	0.033	29
618104	Soil	0.3	19.4	34.2	136	0.3	21.4	9.7	418	2.56	8.5	0.6	6.5	79	0.6	0.4	0.8	24	1.01	0.033	24
618105	Soil	0.5	11.0	42.1	84	0.3	18.6	7.7	5689	3.38	26.4	1.5	6.9	152	1.1	4.7	0.3	15	10.00	0.043	41
618106	Soil	0.3	10.7	31.4	89	0.2	19.8	8.5	298	2.24	11.1	0.9	10.1	27	0.2	0.5	1.0	20	0.23	0.014	26
618107	Soil	0.4	11.7	125.8	151	0.3	23.9	9.3	898	3.23	8.6	0.8	10.2	38	0.4	1.5	0.6	36	0.54	0.016	31
618108	Soil	0.7	15.3	32.7	103	0.1	22.5	10.2	2642	2.86	19.6	1.0	15.5	56	0.7	3.4	0.8	21	0.84	0.014	51
618109	Soil	0.5	40.5	156.1	322	0.4	36.1	17.0	472	3.89	26.3	<0.5	14.0	110	1.1	0.8	1.6	35	0.32	0.049	23
618110	Soil	1.3	29.0	344.5	499	2.3	27.5	15.9	1349	4.88	64.7	0.6	10.0	105	4.4	1.4	1.9	33	1.90	0.057	62
618111	Soil	0.7	22.3	28.1	135	0.5	32.4	18.6	404	3.69	5.8	1.2	13.8	18	0.5	0.5	0.8	25	0.20	0.033	45
618112	Soil	0.5	7.8	18.7	74	<0.1	21.3	9.0	190	2.18	10.0	0.7	9.3	9	0.1	0.4	0.7	20	0.08	0.029	24
618113	Soil	1.6	5.9	36.7	230	0.2	14.0	13.2	485	3.55	7.3	<0.5	7.1	17	0.7	0.3	0.5	50	0.12	0.028	28
618114	Soil	0.3	12.2	34.5	63	0.2	14.1	7.4	370	2.18	16.8	1.3	9.7	15	<0.1	0.6	0.9	14	0.11	0.019	23
618115	Soil	0.7	17.1	122.2	175	0.6	29.4	12.1	324	4.21	15.3	<0.5	13.2	40	0.5	0.4	1.1	35	0.18	0.072	25
618116	Soil	0.2	24.4	35.9	77	0.3	21.4	9.8	1190	2.86	43.7	1.7	8.1	48	0.1	0.9	0.8	18	2.37	0.029	27
618117	Soil	0.5	14.4	33.8	92	0.2	19.5	10.3	510	2.97	22.5	0.7	10.0	26	0.3	0.8	1.1	27	0.24	0.022	24
618118	Soil	0.5	9.5	17.6	74	0.2	16.5	7.6	218	2.41	10.3	1.1	10.3	9	0.1	0.3	0.9	27	0.07	0.057	27
618119	Soil	0.6	14.6	17.6	74	0.1	19.5	10.0	234	2.32	9.3	1.0	9.9	14	0.1	0.4	0.7	27	0.09	0.048	24
618120	Soil	0.2	9.0	17.6	100	<0.1	13.5	7.0	489	1.67	6.9	0.9	9.8	33	0.4	0.2	0.5	16	0.37	0.071	29
618121	Soil	0.2	7.8	13.8	57	0.1	11.1	5.3	268	1.32	7.1	<0.5	7.2	20	0.2	0.3	0.4	13	0.19	0.064	20
618122	Soil	0.2	11.1	18.2	87	0.2	15.2	6.9	310	1.69	8.8	0.6	7.2	30	0.2	0.2	0.6	17	0.27	0.063	22
618123	Soil	0.6	14.2	42.3	83	<0.1	28.4	11.8	654	3.54	33.4	<0.5	13.3	16	0.3	0.7	1.0	28	0.12	0.050	21
618124	Soil	0.1	6.4	19.0	45	0.2	9.8	5.4	1073	1.78	6.5	0.9	4.9	50	0.2	0.6	0.5	7	6.58	0.044	17
618125	Soil	0.5	9.3	28.3	114	0.1	15.1	9.1	707	2.38	6.0	<0.5	7.3	18	0.4	0.3	0.8	31	0.12	0.021	23
618126	Soil	0.6	11.4	32.0	89	0.1	18.7	9.1	286	2.49	12.5	<0.5	7.9	20	0.4	0.4	0.9	25	0.11	0.038	19
618127	Soil	0.6	15.7	34.2	275	0.2	23.7	9.9	396	3.09	11.8	1.0	5.9	28	0.5	0.4	1.0	37	0.15	0.049	18
618128	Soil	0.3	28.1	55.5	182	0.6	32.0	14.2	629	3.49	11.5	0.8	6.6	69	1.1	0.5	1.2	29	0.75	0.059	44
618129	Soil	0.6	38.0	37.1	132	0.5	31.6	13.0	840	3.35	11.9	1.3	6.6	83	1.0	0.4	1.0	30	1.05	0.063	39
618130	Soil	0.3	20.5	33.2	113	0.2	22.2	9.5	325	2.27	9.9	0.9	11.0	65	0.2	0.5	0.7	21	1.09	0.052	31

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Silver Predator Corp**
201A-170 Titanium Way
Whitehorse Yukon Y1A 1G0 Canada

Project: Quarterback
Report Date: November 06, 2011

CERTIFICATE OF ANALYSIS WHI11001814.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
618101	Soil	27	0.70	79	0.053	2	1.74	0.032	0.18	0.6	0.01	3.5	0.3	<0.05	5	<0.5	<0.2
618102	Soil	28	0.84	89	0.051	2	1.95	0.035	0.22	0.6	0.01	4.0	0.3	<0.05	6	<0.5	<0.2
618103	Soil	21	0.57	66	0.040	2	1.43	0.031	0.16	0.5	<0.01	2.8	0.2	<0.05	4	<0.5	<0.2
618104	Soil	26	0.58	76	0.030	1	1.71	0.015	0.16	0.4	0.01	2.7	0.2	0.06	5	<0.5	<0.2
618105	Soil	15	6.32	113	0.007	3	1.13	0.004	0.05	0.4	0.03	5.3	0.3	0.06	3	0.5	<0.2
618106	Soil	21	0.59	50	0.032	1	1.51	0.017	0.13	0.7	0.01	2.4	0.2	<0.05	5	<0.5	<0.2
618107	Soil	31	0.85	81	0.098	2	1.93	0.012	0.08	0.4	0.01	4.3	0.2	<0.05	6	<0.5	<0.2
618108	Soil	19	0.43	79	0.020	1	1.39	0.007	0.08	1.5	0.02	5.0	0.4	<0.05	4	<0.5	<0.2
618109	Soil	44	1.07	66	0.088	<1	2.93	0.038	0.33	0.6	<0.01	3.9	0.4	<0.05	8	<0.5	<0.2
618110	Soil	28	1.23	48	0.043	2	2.16	0.018	0.09	0.4	0.04	5.0	0.3	0.08	6	<0.5	<0.2
618111	Soil	23	0.65	47	0.015	1	1.88	0.005	0.08	0.2	0.01	2.1	0.1	<0.05	5	<0.5	<0.2
618112	Soil	19	0.48	49	0.030	<1	1.55	0.008	0.12	0.5	<0.01	1.8	0.1	<0.05	5	<0.5	<0.2
618113	Soil	25	0.56	79	0.044	<1	1.75	0.006	0.15	0.3	0.01	2.2	0.2	<0.05	8	<0.5	<0.2
618114	Soil	15	0.45	41	0.030	<1	1.33	0.009	0.08	0.7	<0.01	1.7	0.2	<0.05	4	<0.5	<0.2
618115	Soil	39	0.73	55	0.071	<1	2.95	0.017	0.15	0.7	0.03	3.2	0.2	<0.05	8	<0.5	<0.2
618116	Soil	19	1.92	63	0.038	1	1.26	0.014	0.10	0.8	<0.01	2.8	0.3	0.07	4	<0.5	<0.2
618117	Soil	23	0.66	50	0.045	2	1.63	0.008	0.10	0.7	<0.01	2.2	0.2	<0.05	5	<0.5	<0.2
618118	Soil	22	0.42	51	0.047	1	1.62	0.009	0.09	0.9	0.02	2.0	0.1	<0.05	5	<0.5	<0.2
618119	Soil	23	0.50	50	0.053	1	1.66	0.008	0.12	0.7	<0.01	2.5	0.2	<0.05	5	<0.5	<0.2
618120	Soil	16	0.36	42	0.036	<1	0.89	0.011	0.11	2.2	0.01	1.7	0.1	<0.05	3	<0.5	<0.2
618121	Soil	13	0.31	27	0.031	<1	0.76	0.011	0.08	0.7	<0.01	1.4	0.1	<0.05	3	<0.5	<0.2
618122	Soil	16	0.40	41	0.044	<1	1.05	0.010	0.11	0.4	<0.01	1.7	0.1	<0.05	4	<0.5	<0.2
618123	Soil	27	0.68	53	0.047	1	2.74	0.008	0.09	1.0	0.01	2.6	0.2	<0.05	5	<0.5	<0.2
618124	Soil	9	4.20	25	0.022	<1	0.75	0.007	0.05	0.6	<0.01	1.6	0.1	0.05	2	<0.5	<0.2
618125	Soil	21	0.42	55	0.059	1	1.39	0.012	0.10	0.5	<0.01	1.9	0.1	<0.05	6	<0.5	<0.2
618126	Soil	21	0.45	37	0.048	1	1.53	0.009	0.11	0.6	<0.01	1.9	0.1	<0.05	5	<0.5	<0.2
618127	Soil	35	0.67	57	0.068	2	1.95	0.013	0.10	0.6	0.01	2.6	0.2	<0.05	8	<0.5	<0.2
618128	Soil	30	0.82	76	0.038	2	2.09	0.021	0.15	0.6	0.02	3.8	0.3	0.07	6	<0.5	<0.2
618129	Soil	31	0.82	88	0.060	2	1.72	0.022	0.15	0.5	0.01	4.5	0.3	0.07	5	0.6	<0.2
618130	Soil	21	0.64	60	0.046	1	1.40	0.019	0.17	0.6	<0.01	2.7	0.3	<0.05	4	<0.5	<0.2

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Project: Quarterback
Report Date: November 06, 2011

CERTIFICATE OF ANALYSIS WHI11001814.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
618131	Soil	0.1	14.0	24.5	74	0.2	14.6	7.0	299	1.61	7.2	0.6	7.6	50	0.2	0.3	0.6	17	0.70	0.051	24
618132	Soil	0.3	12.9	47.2	223	0.2	24.5	9.9	292	2.60	11.4	1.4	14.0	26	0.1	0.6	0.8	23	0.23	0.028	38
618133	Soil	0.3	12.3	41.2	108	0.3	19.7	8.5	345	2.23	12.7	<0.5	10.9	42	0.3	0.5	0.8	19	0.60	0.023	36
618134	Soil	0.8	27.7	43.7	163	0.7	52.5	23.7	1524	3.42	5.8	0.9	10.0	29	0.7	0.6	0.7	27	0.30	0.037	49
618135	Soil	0.8	18.5	104.1	198	0.2	28.7	16.2	633	4.22	24.3	3.1	12.5	34	0.8	1.0	1.5	29	0.31	0.030	23
618136	Soil	1.8	19.4	171.7	543	1.2	26.4	15.5	8643	5.97	267.8	1.6	11.7	42	2.9	2.2	1.4	32	0.29	0.044	34
618137	Soil	0.4	22.5	68.3	222	0.6	31.5	13.8	840	3.70	14.2	3.8	10.7	217	1.2	0.7	0.9	33	0.90	0.034	51
618138	Soil	0.6	18.6	67.3	160	0.2	27.0	12.5	280	4.25	22.4	<0.5	10.9	53	1.0	0.3	1.3	41	0.21	0.068	20
618139	Soil	0.5	12.8	35.3	218	0.2	18.4	8.9	602	2.90	11.0	0.6	6.7	32	1.5	0.4	0.8	32	0.15	0.045	16
618140	Soil	0.5	13.5	49.2	228	0.3	24.4	12.2	994	3.55	14.8	1.0	7.6	34	0.9	0.5	0.9	39	0.17	0.037	19
618141	Soil	0.3	12.1	19.2	77	0.1	17.7	8.1	392	2.11	9.5	2.4	9.2	35	0.2	0.3	0.4	20	0.47	0.068	22
618142	Soil	0.3	7.1	15.7	110	0.1	11.9	5.9	319	1.66	8.8	1.4	6.8	25	0.4	0.3	0.3	15	0.27	0.067	19
618143	Soil	0.6	12.0	34.5	125	<0.1	27.7	11.7	743	3.88	22.1	0.8	7.4	39	0.3	0.6	1.0	39	0.23	0.056	19
618144	Soil	0.6	14.8	31.2	99	0.1	22.4	10.9	504	3.63	26.6	1.2	10.2	26	0.3	0.8	1.1	34	0.15	0.043	23
618145	Soil	0.3	24.9	14.9	55	0.4	15.1	7.3	507	2.28	19.8	2.5	5.3	31	0.4	0.5	1.2	17	0.85	0.035	22
618146	Soil	0.3	39.6	45.3	143	0.5	22.7	7.5	423	2.11	17.4	1.9	6.6	68	1.2	0.4	0.9	18	0.69	0.026	29
618147	Soil	0.4	36.7	31.7	102	0.4	23.2	7.0	280	1.98	16.7	2.4	6.9	39	0.9	0.4	0.8	18	0.37	0.020	27
618148	Soil	0.5	11.3	30.8	227	0.3	19.1	9.1	316	2.94	10.6	<0.5	7.2	45	0.6	0.2	0.8	34	0.25	0.044	18
618149	Soil	0.6	8.7	25.3	341	0.2	14.9	9.6	1274	2.89	7.1	0.8	6.3	18	2.0	0.3	0.9	41	0.10	0.024	19
618150	Soil	1.0	10.5	28.8	188	0.2	18.5	9.0	199	3.23	12.8	1.1	7.0	33	0.5	0.3	1.0	40	0.15	0.023	20
618151	Soil	0.4	15.2	63.8	163	0.3	25.3	11.9	248	3.28	13.0	2.1	8.2	46	0.6	0.3	1.2	31	0.21	0.025	18
618152	Soil	0.5	13.3	29.1	157	0.2	21.4	10.2	322	2.64	7.0	1.0	8.1	38	0.7	0.3	0.6	34	0.36	0.021	23
618153	Soil	0.7	14.7	66.9	165	0.2	30.7	12.9	503	3.54	15.6	2.2	12.9	27	0.6	0.9	1.0	27	0.26	0.023	31
618154	Soil	0.5	11.2	67.1	244	0.1	22.9	12.2	1036	3.62	13.6	1.4	8.5	77	1.7	0.8	1.0	30	0.44	0.036	22
618155	Soil	0.6	12.2	55.1	341	0.1	21.1	9.3	486	2.80	18.8	0.7	10.2	26	0.8	0.7	1.0	28	0.21	0.037	26
618156	Soil	0.5	18.0	44.2	148	0.3	33.7	13.9	713	3.88	8.7	<0.5	11.1	60	0.2	0.5	1.8	39	0.70	0.033	34
618157	Soil	0.3	13.3	62.2	140	0.2	27.2	12.3	357	3.42	41.8	0.6	11.3	62	0.3	0.7	1.1	29	0.35	0.032	23
618158	Soil	0.3	15.7	47.2	111	0.3	24.6	11.5	437	3.01	15.7	1.4	12.8	38	0.2	0.7	0.9	21	0.37	0.020	39
618159	Soil	0.3	6.3	18.2	107	<0.1	11.9	5.7	245	1.83	9.2	1.2	14.0	23	<0.1	0.2	0.5	17	0.18	0.071	32
618160	Soil	0.3	25.0	30.8	106	0.3	21.8	8.9	231	2.27	11.4	1.5	11.8	43	0.2	0.3	1.0	23	0.42	0.072	31

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Project: Quarterback
Report Date: November 06, 2011

CERTIFICATE OF ANALYSIS WHI11001814.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
618131	Soil	16	0.45	46	0.030	1	1.03	0.016	0.10	0.5	<0.01	1.9	0.2	<0.05	3	<0.5	<0.2
618132	Soil	25	0.71	66	0.032	2	1.78	0.015	0.18	0.5	<0.01	3.6	0.3	<0.05	5	<0.5	<0.2
618133	Soil	18	0.49	48	0.032	2	1.35	0.012	0.15	0.6	0.01	3.0	0.2	<0.05	4	<0.5	<0.2
618134	Soil	26	0.51	74	0.042	2	2.20	0.011	0.15	0.3	0.02	3.3	0.3	<0.05	6	<0.5	<0.2
618135	Soil	29	1.07	40	0.023	<1	2.29	0.012	0.12	0.8	<0.01	3.1	0.2	<0.05	7	<0.5	<0.2
618136	Soil	27	1.43	115	0.035	2	2.59	0.011	0.09	0.3	0.02	3.7	0.4	0.06	7	0.5	<0.2
618137	Soil	40	0.88	42	0.078	1	2.71	0.104	0.12	0.6	0.03	4.7	0.3	<0.05	8	0.9	<0.2
618138	Soil	37	0.63	50	0.077	<1	2.90	0.023	0.13	0.9	0.02	2.9	0.2	<0.05	9	<0.5	<0.2
618139	Soil	26	0.56	53	0.054	<1	1.63	0.011	0.13	0.5	0.02	2.0	0.2	<0.05	7	<0.5	<0.2
618140	Soil	31	0.72	70	0.061	2	2.08	0.018	0.13	0.6	0.02	2.4	0.2	<0.05	8	<0.5	<0.2
618141	Soil	22	0.54	37	0.058	1	1.18	0.016	0.16	0.9	<0.01	2.2	0.2	<0.05	4	<0.5	<0.2
618142	Soil	15	0.39	31	0.041	<1	1.03	0.010	0.12	0.5	0.01	1.6	0.2	<0.05	3	<0.5	<0.2
618143	Soil	49	1.12	81	0.050	1	2.44	0.015	0.12	0.6	0.02	2.9	0.2	<0.05	9	<0.5	<0.2
618144	Soil	30	0.78	65	0.050	1	2.25	0.015	0.21	0.6	0.02	2.7	0.3	<0.05	7	<0.5	<0.2
618145	Soil	17	0.94	31	0.032	<1	1.08	0.012	0.09	0.7	<0.01	1.9	0.2	<0.05	4	<0.5	<0.2
618146	Soil	17	0.46	29	0.039	1	1.17	0.018	0.10	0.9	0.01	2.2	0.3	<0.05	4	<0.5	<0.2
618147	Soil	16	0.40	27	0.041	<1	1.10	0.014	0.10	1.0	0.02	1.9	0.3	<0.05	4	0.5	<0.2
618148	Soil	30	0.61	48	0.074	<1	1.95	0.017	0.14	0.5	0.02	2.6	0.2	<0.05	8	<0.5	<0.2
618149	Soil	27	0.46	58	0.081	<1	1.57	0.009	0.11	0.8	0.01	2.3	0.2	<0.05	8	<0.5	<0.2
618150	Soil	29	0.60	53	0.061	<1	1.89	0.015	0.09	0.8	0.01	2.4	0.1	<0.05	9	0.5	<0.2
618151	Soil	29	0.73	49	0.053	<1	2.25	0.017	0.12	0.5	0.01	2.4	0.2	<0.05	7	<0.5	<0.2
618152	Soil	27	0.56	59	0.066	<1	1.80	0.012	0.08	0.5	0.02	2.5	0.2	<0.05	6	<0.5	<0.2
618153	Soil	25	0.73	40	0.032	1	2.04	0.009	0.12	0.5	0.01	2.9	0.3	<0.05	6	<0.5	<0.2
618154	Soil	25	0.73	65	0.041	2	1.98	0.030	0.14	0.9	0.02	2.3	0.2	<0.05	7	<0.5	<0.2
618155	Soil	23	0.65	51	0.053	2	1.69	0.012	0.15	0.5	<0.01	2.6	0.3	<0.05	6	<0.5	<0.2
618156	Soil	42	1.54	74	0.120	1	2.63	0.035	0.21	2.7	0.01	4.0	0.3	<0.05	9	<0.5	<0.2
618157	Soil	31	1.09	56	0.056	<1	2.39	0.034	0.19	1.1	0.02	3.1	0.3	<0.05	7	<0.5	<0.2
618158	Soil	22	0.70	63	0.025	2	1.80	0.011	0.19	0.7	<0.01	3.4	0.3	<0.05	5	<0.5	<0.2
618159	Soil	17	0.37	39	0.043	<1	1.24	0.009	0.11	1.8	0.01	1.6	0.2	<0.05	4	<0.5	<0.2
618160	Soil	25	0.58	55	0.062	<1	1.49	0.016	0.18	1.3	0.01	2.7	0.3	<0.05	5	<0.5	<0.2

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
618651	Soil	0.4	20.0	12.2	69	<0.1	48.1	18.0	785	3.79	1.9	1.3	21.7	17	<0.1	1.3	0.5	25	0.57	0.065	38
618652	Soil	0.4	9.4	14.6	92	0.1	21.7	8.5	264	2.81	3.7	0.6	8.4	16	<0.1	0.2	0.4	35	0.23	0.020	23
618653	Soil	0.7	9.3	15.7	140	<0.1	34.5	15.8	793	4.13	1.1	<0.5	6.8	22	0.3	0.1	2.1	39	0.44	0.027	17
618654	Soil	0.6	11.3	15.8	81	0.1	26.0	9.1	374	3.13	5.3	0.6	8.3	20	0.1	0.4	0.7	33	0.25	0.032	32
618655	Soil	0.3	21.3	39.5	121	0.6	31.8	15.6	560	3.60	15.2	1.6	16.2	99	0.1	0.8	0.8	28	1.54	0.033	51
618656	Soil	0.3	16.3	58.9	265	0.3	29.5	14.3	649	3.35	20.3	3.1	15.9	75	0.3	1.2	1.2	28	1.48	0.019	49
618657	Soil	1.0	14.5	58.7	58	0.8	13.1	4.6	166	2.56	2.9	1.5	16.5	34	<0.1	0.4	1.1	27	0.74	0.031	47
618658	Soil	0.7	13.3	148.1	225	0.2	26.5	11.5	541	3.65	16.5	1.6	15.8	40	0.4	1.0	1.5	30	0.29	0.047	36
618659	Soil	0.7	10.7	85.0	439	0.2	17.8	9.7	1424	3.02	14.0	0.8	8.3	25	1.4	0.8	0.9	26	0.26	0.026	21
618660	Soil	0.7	28.3	100.5	701	0.7	24.3	10.0	2471	3.31	75.6	1.8	6.0	64	3.7	1.4	1.1	29	1.03	0.042	25
618661	Soil	0.7	11.5	27.4	259	<0.1	15.9	8.2	286	3.02	10.5	<0.5	7.5	21	0.7	0.5	1.0	37	0.15	0.033	19
618662	Soil	0.8	14.3	36.3	260	0.5	18.1	12.9	717	2.93	8.7	1.4	7.0	44	3.2	0.5	0.8	38	0.47	0.021	26
618663	Soil	0.6	23.1	35.2	110	0.3	20.9	10.6	1349	2.58	17.3	2.8	6.2	91	1.0	0.8	0.5	15	8.15	0.055	19
618664	Soil	0.5	22.4	25.7	77	0.3	23.0	9.0	283	2.89	17.5	0.9	7.0	53	0.3	0.4	0.8	28	0.57	0.043	31
618665	Soil	0.7	20.3	48.3	144	0.2	21.2	14.7	1654	4.14	22.6	2.8	9.5	74	0.9	0.6	1.4	36	0.80	0.033	21
618666	Soil	0.4	15.6	29.5	107	0.2	25.7	16.7	1485	4.71	176.6	<0.5	8.6	43	0.3	2.6	0.7	34	0.61	0.039	21
618667	Soil	0.7	13.3	32.4	120	0.2	22.3	11.4	1623	3.34	16.3	<0.5	8.5	26	0.4	0.8	0.9	28	0.82	0.040	26
618668	Soil	0.4	15.2	28.4	58	0.3	22.2	10.9	670	3.35	22.6	<0.5	8.0	40	0.2	1.0	0.8	23	1.29	0.040	39
618669	Soil	0.7	14.1	39.8	84	0.3	28.3	12.5	434	4.03	13.0	0.8	12.4	47	0.4	0.4	1.2	37	0.67	0.071	33
618670	Soil	0.9	11.1	21.4	68	0.2	16.4	7.0	250	3.29	18.8	<0.5	8.7	12	0.1	0.4	1.0	34	0.08	0.053	24
618671	Soil	0.4	18.4	38.5	90	1.1	24.7	11.9	503	3.53	23.5	0.6	13.8	50	0.4	0.5	1.1	29	0.30	0.057	49
618672	Soil	0.4	127.5	25.1	145	0.3	20.4	7.0	366	2.03	11.4	1.1	2.6	53	0.6	0.4	0.7	17	0.71	0.070	25
618673	Soil	0.4	47.2	22.0	92	0.3	20.6	7.8	650	2.14	17.6	4.8	4.2	48	0.9	0.5	0.8	16	0.91	0.046	26
618674	Soil	0.7	26.2	28.7	122	0.2	25.9	16.0	730	3.33	24.6	<0.5	10.3	25	0.4	0.8	0.9	30	0.22	0.033	25
618675	Soil	1.6	139.7	93.6	125	3.9	30.0	24.6	1568	12.77	53.3	4.0	11.0	95	1.1	4.9	4.0	29	0.27	0.063	27
618676	Soil	0.9	16.6	21.7	136	<0.1	31.5	15.5	303	3.88	9.8	0.8	5.8	48	0.5	0.3	0.6	63	0.59	0.013	14
618677	Soil	0.6	10.6	17.2	53	0.1	17.3	6.6	1014	2.23	8.0	<0.5	10.0	34	0.2	0.4	0.5	21	0.71	0.012	24
618678	Soil	0.5	18.3	35.8	90	0.2	33.4	14.1	438	3.24	11.1	3.2	8.3	65	0.3	0.4	0.7	29	0.55	0.033	29
618679	Soil	0.2	8.8	13.2	37	<0.1	13.6	5.4	159	1.57	4.4	<0.5	10.7	29	<0.1	0.2	0.5	14	0.25	0.021	23
618680	Soil	0.6	30.9	123.7	231	0.4	46.4	19.9	441	4.53	21.7	<0.5	13.6	172	1.2	0.3	1.3	38	0.51	0.072	26

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Project: Quarterback
Report Date: November 06, 2011

CERTIFICATE OF ANALYSIS WHI11001814.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
618651	Soil	32	1.18	26	<0.001	<1	2.68	0.003	0.27	0.2	<0.01	6.8	0.8	<0.05	10	<0.5	<0.2
618652	Soil	35	1.04	35	0.034	<1	2.15	0.005	0.12	1.9	<0.01	3.0	0.2	<0.05	9	<0.5	<0.2
618653	Soil	45	1.47	100	0.064	2	3.48	0.012	0.39	12.7	<0.01	3.0	0.4	<0.05	11	<0.5	<0.2
618654	Soil	24	0.71	41	0.007	1	2.31	0.006	0.09	1.4	<0.01	3.3	0.4	<0.05	8	<0.5	<0.2
618655	Soil	28	0.96	73	0.043	2	2.20	0.018	0.26	0.6	0.02	4.5	0.4	<0.05	7	<0.5	<0.2
618656	Soil	26	1.48	69	0.034	2	2.28	0.012	0.26	0.6	0.01	4.6	0.4	<0.05	7	<0.5	<0.2
618657	Soil	22	0.54	99	0.003	<1	2.25	0.005	0.11	1.2	0.02	2.2	0.6	<0.05	7	<0.5	<0.2
618658	Soil	31	1.07	40	0.048	1	2.24	0.016	0.15	21.2	0.01	2.9	0.2	<0.05	7	<0.5	<0.2
618659	Soil	20	0.71	55	0.036	<1	1.57	0.007	0.10	0.6	<0.01	1.8	0.2	<0.05	6	<0.5	<0.2
618660	Soil	23	1.14	79	0.045	2	1.75	0.016	0.15	1.0	0.02	3.2	0.4	<0.05	6	0.9	<0.2
618661	Soil	23	0.60	45	0.048	<1	1.60	0.008	0.10	0.6	<0.01	2.0	0.1	<0.05	7	<0.5	<0.2
618662	Soil	27	0.47	45	0.075	<1	1.79	0.013	0.09	0.5	0.01	2.4	0.2	<0.05	7	<0.5	<0.2
618663	Soil	17	5.24	70	0.026	1	1.19	0.009	0.08	0.4	<0.01	2.0	0.2	<0.05	4	0.7	<0.2
618664	Soil	27	0.75	57	0.057	2	1.65	0.018	0.10	0.6	0.03	3.1	0.2	<0.05	5	0.6	<0.2
618665	Soil	41	1.20	73	0.060	1	2.00	0.029	0.12	0.6	<0.01	3.6	0.2	<0.05	7	<0.5	<0.2
618666	Soil	34	1.31	47	0.087	<1	2.07	0.013	0.11	0.3	0.01	4.8	0.2	<0.05	7	<0.5	<0.2
618667	Soil	25	0.93	73	0.041	<1	1.60	0.009	0.11	0.7	0.02	2.5	0.2	<0.05	5	<0.5	<0.2
618668	Soil	23	1.16	42	0.038	1	1.52	0.013	0.12	0.8	0.01	3.5	0.2	<0.05	4	<0.5	<0.2
618669	Soil	29	0.51	60	0.044	<1	2.76	0.008	0.08	0.5	0.02	3.1	0.2	<0.05	8	0.5	<0.2
618670	Soil	24	0.49	60	0.050	<1	1.86	0.007	0.09	1.1	0.03	1.9	0.1	<0.05	7	0.6	<0.2
618671	Soil	28	0.82	44	0.052	<1	2.18	0.021	0.18	0.9	0.03	4.3	0.3	<0.05	7	<0.5	<0.2
618672	Soil	19	0.43	38	0.033	<1	1.17	0.012	0.12	0.7	0.03	2.2	0.2	<0.05	4	0.6	<0.2
618673	Soil	15	0.59	36	0.027	<1	1.09	0.012	0.12	0.8	<0.01	1.9	0.2	<0.05	3	0.8	<0.2
618674	Soil	26	0.74	52	0.057	<1	1.96	0.009	0.11	0.6	0.02	2.6	0.2	<0.05	6	<0.5	<0.2
618675	Soil	27	0.75	189	0.089	<1	1.62	0.039	0.67	0.5	0.04	3.8	0.9	0.98	7	0.5	<0.2
618676	Soil	46	1.01	56	0.129	<1	3.07	0.092	0.09	0.5	<0.01	3.2	0.1	<0.05	11	<0.5	<0.2
618677	Soil	19	0.70	47	0.053	<1	1.22	0.013	0.09	0.5	0.01	2.0	0.2	<0.05	4	<0.5	<0.2
618678	Soil	31	0.89	54	0.058	<1	2.15	0.038	0.14	0.4	0.02	3.1	0.2	<0.05	7	<0.5	<0.2
618679	Soil	16	0.47	37	0.023	<1	1.24	0.012	0.08	0.9	<0.01	1.8	0.2	<0.05	4	<0.5	<0.2
618680	Soil	46	1.21	71	0.100	<1	4.05	0.085	0.27	0.5	0.02	4.3	0.2	<0.05	10	<0.5	<0.2

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Project: Quarterback
Report Date: November 06, 2011

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
618681	Soil	0.5	16.1	89.3	247	0.1	30.9	13.0	1134	3.64	20.3	0.9	11.6	30	0.7	1.0	1.0	24	0.21	0.031	25
618682	Soil	0.6	17.7	144.0	384	0.8	38.1	18.9	1723	5.25	32.9	2.2	13.1	66	2.3	3.2	1.5	36	1.75	0.046	43
618683	Soil	0.6	18.8	52.1	104	0.5	33.4	17.4	1333	5.21	21.9	<0.5	18.4	59	0.3	0.9	2.0	34	0.74	0.038	49
618684	Soil	0.4	12.9	45.6	523	0.3	25.7	12.9	862	3.34	136.8	4.1	12.2	67	0.5	1.1	1.1	23	1.51	0.018	32
618685	Soil	0.5	17.8	61.6	123	0.2	39.1	17.0	633	4.66	78.2	0.7	17.5	61	0.4	2.1	1.3	32	0.41	0.030	37
618686	Soil	0.8	14.7	100.6	265	0.2	33.2	16.4	1283	4.79	34.1	1.3	11.7	43	0.4	1.7	2.0	33	0.37	0.035	22
618687	Soil	0.5	12.6	30.5	88	0.2	22.7	8.7	255	2.68	15.2	<0.5	11.7	34	0.2	0.5	0.9	25	0.44	0.026	28
618688	Soil	0.4	20.6	35.9	98	0.3	30.0	14.3	510	3.43	12.3	1.8	14.1	208	0.2	0.6	1.1	26	4.68	0.044	45
618689	Soil	0.9	16.8	67.7	142	<0.1	26.2	21.9	1595	4.74	17.5	1.0	8.5	27	0.3	0.8	1.6	28	0.29	0.051	28
618690	Soil	0.3	17.5	52.5	146	0.5	27.3	12.0	414	3.05	12.3	<0.5	13.9	69	0.3	0.3	1.0	22	0.49	0.019	47
618691	Soil	0.2	14.3	29.2	82	0.2	23.3	11.1	391	2.72	8.0	<0.5	11.1	47	0.2	0.4	1.1	21	0.76	0.042	39
618692	Soil	0.4	14.5	27.6	107	0.3	26.5	12.8	537	3.33	11.4	<0.5	10.7	49	0.2	0.4	0.9	30	0.55	0.038	32
618693	Soil	0.2	19.7	31.1	85	0.3	20.3	10.1	337	2.12	10.7	0.7	9.8	301	0.4	0.5	0.8	15	7.45	0.052	27
618694	Soil	0.4	26.4	31.8	142	0.5	29.7	13.8	821	3.50	41.5	1.7	5.8	128	0.5	2.0	2.1	20	1.91	0.091	43
618801	Soil	0.3	17.6	75.3	174	0.4	24.1	10.8	427	2.75	11.0	1.2	10.0	92	0.5	0.3	1.0	22	0.85	0.041	32
618802	Soil	0.5	9.3	29.6	280	0.1	17.7	11.2	225	3.26	8.4	<0.5	8.2	32	0.9	0.4	0.8	36	0.21	0.016	20
618803	Soil	0.2	25.5	44.1	97	0.4	25.5	10.5	448	2.81	12.2	0.8	9.4	89	0.5	0.2	0.7	27	0.63	0.027	31
618804	Soil	0.5	18.5	65.0	159	0.4	31.7	14.2	719	4.23	18.2	<0.5	12.1	65	0.9	0.6	1.2	34	0.48	0.028	38
618805	Soil	0.6	15.2	83.2	166	0.4	21.8	19.0	1606	4.49	15.7	3.0	6.8	67	2.0	3.6	0.6	33	0.68	0.077	31
618806	Soil	0.3	22.8	50.4	158	0.5	26.4	9.2	411	3.43	8.9	2.1	7.9	90	0.6	1.8	0.6	20	1.31	0.066	28
618807	Soil	0.2	7.2	14.7	45	<0.1	12.9	5.9	173	1.76	4.7	0.6	7.5	15	0.1	0.1	0.5	18	0.08	0.011	21
618808	Soil	0.4	34.6	22.7	97	0.5	24.8	9.6	385	2.70	10.9	2.4	3.4	84	0.5	0.5	0.6	28	0.97	0.057	31
618809	Soil	0.4	20.8	41.9	224	0.5	21.2	7.4	408	2.62	16.9	1.7	5.8	71	0.5	0.6	0.7	22	0.91	0.035	38
618810	Soil	0.2	7.5	19.4	106	0.3	16.9	7.8	546	2.33	19.6	1.4	8.3	38	0.4	1.4	0.5	23	0.35	0.017	25
618811	Soil	0.5	9.4	28.1	146	0.2	16.3	7.8	247	2.93	8.6	<0.5	4.4	22	1.1	0.4	0.7	39	0.11	0.033	15
618812	Soil	0.3	55.1	27.3	126	0.4	26.6	8.8	434	2.49	12.5	0.7	5.2	70	1.3	0.4	0.6	27	0.85	0.032	22
618813	Soil	0.6	12.5	32.5	143	0.2	23.9	11.4	287	3.32	10.1	1.1	7.6	35	0.5	0.3	1.1	36	0.17	0.052	18
618814	Soil	0.4	12.7	21.3	90	0.2	20.0	8.8	471	2.40	9.1	<0.5	8.8	38	0.4	0.4	0.7	25	0.29	0.022	40
618815	Soil	0.3	19.5	15.7	46	0.6	19.6	7.6	346	1.94	9.6	0.7	4.1	35	0.1	0.5	0.6	14	0.49	0.071	26
618816	Soil	0.7	10.0	22.1	93	<0.1	17.9	7.8	333	2.92	7.9	0.7	6.6	20	0.2	0.4	0.8	33	0.22	0.038	18

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
618681	Soil	26	1.59	77	0.041	<1	2.27	0.012	0.22	0.5	0.01	2.9	0.3	<0.05	7	<0.5	<0.2
618682	Soil	47	2.69	61	0.049	<1	3.11	0.028	0.18	0.4	0.02	4.6	0.4	0.07	7	<0.5	<0.2
618683	Soil	38	2.39	58	0.060	<1	2.93	0.021	0.22	0.8	0.02	6.4	0.3	<0.05	8	<0.5	<0.2
618684	Soil	24	1.68	46	0.038	<1	1.82	0.021	0.13	0.6	0.02	3.7	0.3	<0.05	6	<0.5	<0.2
618685	Soil	34	1.56	53	0.042	<1	2.79	0.026	0.16	0.8	<0.01	4.7	0.4	<0.05	8	<0.5	<0.2
618686	Soil	41	1.63	68	0.038	1	2.56	0.017	0.18	1.0	<0.01	2.8	0.3	<0.05	9	<0.5	<0.2
618687	Soil	24	0.68	78	0.024	1	1.89	0.011	0.16	0.8	0.01	2.5	0.2	<0.05	6	<0.5	<0.2
618688	Soil	30	0.92	82	0.033	1	2.22	0.018	0.26	0.5	0.01	4.0	0.3	<0.05	7	<0.5	<0.2
618689	Soil	28	1.09	54	0.038	<1	1.87	0.009	0.18	0.6	<0.01	2.4	0.2	<0.05	7	<0.5	<0.2
618690	Soil	26	0.79	82	0.043	<1	1.92	0.038	0.21	0.5	0.02	4.3	0.3	<0.05	6	<0.5	<0.2
618691	Soil	22	0.72	61	0.028	1	1.60	0.010	0.16	0.4	0.01	2.8	0.2	<0.05	5	0.6	<0.2
618692	Soil	30	0.98	77	0.061	<1	2.10	0.029	0.24	0.6	<0.01	3.2	0.3	<0.05	7	<0.5	<0.2
618693	Soil	18	0.64	103	0.030	1	1.26	0.014	0.17	0.5	<0.01	2.2	0.2	<0.05	4	<0.5	<0.2
618694	Soil	18	0.67	39	0.025	<1	1.40	0.013	0.13	1.0	0.02	3.7	0.8	<0.05	4	<0.5	<0.2
618801	Soil	25	0.72	86	0.046	<1	1.78	0.036	0.20	0.6	<0.01	2.9	0.2	<0.05	6	<0.5	<0.2
618802	Soil	31	0.77	48	0.074	<1	1.89	0.018	0.14	0.3	0.01	2.2	0.2	<0.05	8	<0.5	<0.2
618803	Soil	30	0.69	85	0.069	1	1.99	0.039	0.30	0.6	0.01	3.8	0.3	<0.05	7	<0.5	<0.2
618804	Soil	31	0.78	74	0.078	1	2.18	0.034	0.16	0.5	0.02	3.9	0.3	<0.05	7	<0.5	<0.2
618805	Soil	20	0.81	91	0.022	3	2.14	0.015	0.18	0.5	0.01	4.8	0.3	<0.05	6	<0.5	<0.2
618806	Soil	18	1.93	41	0.010	3	2.14	0.011	0.09	0.3	0.02	4.1	0.3	<0.05	6	<0.5	<0.2
618807	Soil	17	0.37	51	0.041	1	1.41	0.012	0.14	0.4	<0.01	1.7	0.2	<0.05	5	<0.5	<0.2
618808	Soil	25	0.60	71	0.053	3	1.60	0.022	0.18	0.5	0.02	3.1	0.3	<0.05	5	<0.5	<0.2
618809	Soil	21	0.57	56	0.044	2	1.43	0.015	0.14	0.8	0.03	3.3	0.3	<0.05	4	<0.5	<0.2
618810	Soil	20	0.50	64	0.051	2	1.42	0.016	0.15	0.5	0.01	2.5	0.2	<0.05	5	<0.5	<0.2
618811	Soil	25	0.46	46	0.069	<1	1.50	0.015	0.08	0.5	<0.01	1.8	0.1	<0.05	9	<0.5	<0.2
618812	Soil	27	0.54	59	0.082	1	1.46	0.015	0.17	0.5	<0.01	2.7	0.3	<0.05	6	<0.5	<0.2
618813	Soil	36	0.77	52	0.077	1	2.12	0.021	0.17	0.7	0.02	2.8	0.2	<0.05	8	<0.5	<0.2
618814	Soil	22	0.50	49	0.056	1	1.50	0.016	0.15	0.6	<0.01	2.2	0.2	<0.05	5	<0.5	<0.2
618815	Soil	15	0.39	25	0.022	<1	0.88	0.009	0.10	0.9	<0.01	1.6	0.2	<0.05	3	<0.5	<0.2
618816	Soil	24	0.49	76	0.033	<1	1.52	0.008	0.12	0.5	0.01	1.9	0.1	<0.05	7	<0.5	<0.2

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Project: Quarterback
Report Date: November 06, 2011

CERTIFICATE OF ANALYSIS WHI11001814.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
618817	Soil	0.4	9.4	14.5	72	<0.1	13.7	5.9	243	1.69	8.9	<0.5	6.9	11	0.1	0.3	0.7	15	0.14	0.098	18
618818	Soil	0.3	15.7	20.4	61	<0.1	20.5	7.6	257	1.90	7.2	<0.5	8.9	17	0.2	0.2	0.6	20	0.13	0.040	23
618819	Soil	0.3	39.2	29.5	102	0.3	24.9	9.9	318	2.98	9.7	1.4	5.7	41	0.6	0.3	0.7	31	0.27	0.085	26
618820	Soil	0.2	8.2	14.9	50	<0.1	13.3	6.2	168	1.65	7.5	<0.5	5.0	16	0.1	0.2	0.5	14	0.17	0.051	15
618821	Soil	0.2	9.4	19.3	125	0.3	16.2	6.3	226	1.92	6.6	<0.5	9.5	24	0.2	0.1	0.5	19	0.16	0.065	26
618822	Soil	0.3	6.4	18.3	118	<0.1	12.9	6.0	253	2.05	8.6	<0.5	7.4	18	<0.1	0.2	0.5	20	0.12	0.076	21
618823	Soil	0.3	8.2	23.0	173	0.2	18.9	10.0	527	2.62	12.7	<0.5	7.3	36	0.3	0.2	0.4	23	0.21	0.076	18
618824	Soil	0.4	15.7	25.6	93	<0.1	23.2	9.3	191	2.76	10.4	1.4	8.7	21	0.2	0.2	0.9	29	0.13	0.020	23
618825	Soil	0.1	13.3	10.6	54	<0.1	13.3	4.7	128	1.33	3.7	<0.5	5.1	23	0.2	0.2	0.6	12	0.29	0.075	18
618826	Soil	0.2	23.4	15.1	70	0.3	18.7	6.2	243	1.84	6.3	1.3	3.5	34	0.3	0.2	0.6	19	0.35	0.037	31
618827	Soil	0.7	9.9	15.0	77	<0.1	18.2	8.4	204	2.47	5.4	1.9	6.4	34	0.2	0.4	0.6	28	0.24	0.019	20
618828	Soil	0.6	16.3	38.4	102	<0.1	35.5	16.6	340	3.96	12.8	0.5	9.2	66	0.2	0.2	1.0	44	0.33	0.037	20
618829	Soil	0.5	9.1	19.5	90	<0.1	15.4	7.0	182	2.66	9.3	1.6	6.5	25	0.2	0.2	1.9	29	0.14	0.027	16
618830	Soil	0.6	10.5	19.9	77	0.1	18.7	8.9	214	2.90	7.8	<0.5	7.4	16	0.2	0.4	0.7	38	0.09	0.022	19
618831	Soil	0.2	12.7	25.8	55	0.3	19.1	7.6	258	1.90	7.3	0.8	6.1	49	0.3	0.2	0.6	18	0.47	0.038	26
618832	Soil	0.4	43.1	20.7	84	0.3	45.5	11.5	297	2.22	6.0	1.8	5.1	52	0.2	0.5	0.6	18	0.58	0.037	43
618833	Soil	0.4	10.4	24.4	77	0.2	21.5	9.5	395	2.73	15.6	<0.5	9.8	39	0.4	3.1	0.6	21	0.46	0.021	21
618834	Soil	0.2	9.2	24.5	64	0.2	17.8	7.1	376	1.97	9.9	0.6	9.1	34	0.2	0.5	0.5	17	0.26	0.013	24
618835	Soil	0.5	18.3	29.3	176	0.4	32.7	11.4	563	3.38	9.3	0.9	8.3	55	0.6	0.8	0.6	32	0.59	0.028	39
618836	Soil	0.4	77.9	40.1	374	1.0	83.6	13.6	505	3.84	9.2	<0.5	9.9	62	1.3	0.9	0.7	29	0.80	0.038	188
618837	Soil	0.3	18.1	41.1	145	0.3	24.3	11.7	454	3.04	9.3	0.7	8.0	78	0.9	0.3	0.8	31	0.74	0.033	27
618838	Soil	0.3	21.6	28.0	130	0.5	27.5	10.0	513	2.89	9.2	0.8	6.9	88	0.7	0.3	0.6	33	0.78	0.037	37
618839	Soil	0.3	20.7	30.4	157	0.3	38.1	14.6	779	4.18	7.2	<0.5	10.3	243	1.3	0.2	0.5	50	2.31	0.051	33
618840	Soil	0.2	14.8	28.7	74	0.2	20.6	8.1	323	2.12	7.8	0.9	7.0	51	0.2	0.2	0.5	23	0.41	0.043	27
618841	Soil	0.2	16.5	45.6	82	0.2	27.7	10.8	434	2.76	9.7	<0.5	8.6	68	0.2	0.2	0.7	28	0.44	0.033	23
618842	Soil	0.3	23.3	48.0	107	0.6	26.2	10.7	387	2.71	9.5	0.9	7.1	103	0.4	0.2	0.8	27	0.85	0.046	25
618843	Soil	0.2	15.8	47.4	94	0.1	26.0	11.4	391	2.78	9.1	<0.5	11.0	48	0.3	0.2	0.8	25	0.25	0.027	27
618844	Soil	0.2	18.8	72.8	153	0.7	29.0	13.2	543	3.86	9.7	<0.5	7.5	81	1.1	0.2	0.8	27	0.67	0.051	38
618845	Soil	0.2	10.5	32.5	91	0.2	19.8	8.3	336	2.48	11.9	<0.5	8.7	43	0.5	0.5	0.5	21	0.35	0.015	21
618846	Soil	0.5	20.8	74.4	219	0.6	33.0	18.0	884	4.21	21.6	<0.5	9.8	137	1.6	0.4	1.0	34	1.00	0.040	32

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
618817	Soil	13	0.31	30	0.025	<1	1.05	0.005	0.10	0.9	<0.01	1.3	0.1	<0.05	3	<0.5	<0.2
618818	Soil	19	0.45	47	0.046	<1	1.39	0.010	0.13	0.5	<0.01	2.0	0.2	<0.05	4	<0.5	<0.2
618819	Soil	40	0.69	55	0.070	<1	1.93	0.016	0.21	0.7	0.03	2.8	0.3	<0.05	7	<0.5	<0.2
618820	Soil	15	0.36	24	0.033	<1	0.96	0.007	0.10	0.5	<0.01	1.3	0.1	<0.05	3	<0.5	<0.2
618821	Soil	20	0.49	49	0.046	<1	1.60	0.009	0.15	0.5	<0.01	2.0	0.2	<0.05	5	<0.5	<0.2
618822	Soil	18	0.39	46	0.032	<1	1.63	0.008	0.10	0.5	0.02	1.6	0.2	<0.05	5	<0.5	<0.2
618823	Soil	24	0.59	54	0.068	<1	1.79	0.016	0.18	0.4	0.01	2.4	0.2	<0.05	5	<0.5	<0.2
618824	Soil	29	0.54	62	0.046	<1	1.89	0.009	0.13	0.6	<0.01	2.3	0.2	<0.05	6	<0.5	<0.2
618825	Soil	12	0.31	24	0.025	<1	0.82	0.009	0.13	0.7	<0.01	1.2	0.1	<0.05	3	<0.5	<0.2
618826	Soil	17	0.38	38	0.038	<1	1.21	0.011	0.11	0.5	<0.01	1.8	0.2	<0.05	4	<0.5	<0.2
618827	Soil	23	0.47	48	0.030	<1	1.49	0.013	0.07	0.5	<0.01	1.7	0.1	<0.05	6	<0.5	<0.2
618828	Soil	53	0.98	59	0.122	<1	2.85	0.042	0.26	0.6	<0.01	4.1	0.3	<0.05	9	<0.5	<0.2
618829	Soil	24	0.46	37	0.053	<1	1.44	0.011	0.11	0.8	<0.01	1.8	0.1	<0.05	7	<0.5	<0.2
618830	Soil	27	0.44	56	0.052	<1	1.68	0.008	0.07	0.6	<0.01	1.9	0.1	<0.05	7	<0.5	<0.2
618831	Soil	18	0.43	34	0.044	1	1.24	0.020	0.11	0.5	<0.01	2.4	0.2	<0.05	4	<0.5	<0.2
618832	Soil	18	0.49	27	0.035	1	1.24	0.013	0.11	0.6	0.01	2.4	0.2	<0.05	4	<0.5	<0.2
618833	Soil	20	0.53	47	0.033	1	1.46	0.010	0.11	0.5	<0.01	2.2	0.2	<0.05	5	<0.5	<0.2
618834	Soil	17	0.51	52	0.038	<1	1.31	0.013	0.14	0.6	<0.01	2.5	0.2	<0.05	4	<0.5	<0.2
618835	Soil	29	0.74	56	0.058	1	1.82	0.017	0.12	0.4	0.01	4.3	0.3	<0.05	6	<0.5	<0.2
618836	Soil	35	0.68	59	0.040	1	2.11	0.014	0.12	0.3	0.03	6.5	0.4	<0.05	7	<0.5	<0.2
618837	Soil	28	0.58	73	0.065	2	1.92	0.032	0.14	0.5	<0.01	3.4	0.2	<0.05	6	<0.5	<0.2
618838	Soil	32	0.63	84	0.081	1	1.93	0.030	0.15	0.4	<0.01	3.7	0.3	<0.05	7	<0.5	<0.2
618839	Soil	61	1.44	78	0.187	2	4.85	0.157	0.21	0.4	0.01	6.1	0.2	<0.05	12	<0.5	<0.2
618840	Soil	22	0.52	73	0.043	1	1.56	0.022	0.18	0.4	<0.01	2.6	0.2	<0.05	5	<0.5	<0.2
618841	Soil	33	0.72	90	0.059	2	2.22	0.034	0.26	0.5	<0.01	2.8	0.3	<0.05	6	<0.5	<0.2
618842	Soil	30	0.69	78	0.055	1	2.00	0.039	0.25	0.6	0.01	3.0	0.3	<0.05	6	<0.5	<0.2
618843	Soil	29	0.73	71	0.043	1	2.18	0.024	0.22	0.5	<0.01	3.2	0.3	<0.05	6	<0.5	<0.2
618844	Soil	28	0.77	69	0.040	1	2.25	0.032	0.09	0.6	0.02	3.8	0.2	<0.05	6	<0.5	<0.2
618845	Soil	23	0.56	79	0.033	<1	1.65	0.018	0.15	0.6	<0.01	2.8	0.2	<0.05	5	<0.5	<0.2
618846	Soil	42	0.98	62	0.079	1	2.45	0.068	0.16	0.7	0.03	4.1	0.3	<0.05	8	<0.5	<0.2

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Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
618847	Soil	0.4	17.4	47.3	151	0.3	30.5	15.1	910	3.88	20.9	<0.5	11.0	85	1.2	0.5	1.2	35	0.65	0.033	37
618848	Soil	0.2	10.2	22.6	55	0.1	17.4	7.3	310	1.95	6.1	<0.5	8.1	33	0.2	0.2	0.6	20	0.23	0.023	23
618849	Soil	0.2	10.5	21.2	51	0.1	17.1	7.1	241	1.97	6.3	<0.5	7.8	33	0.2	0.2	0.5	20	0.24	0.021	22
618850	Soil	0.3	13.4	72.8	82	0.3	17.7	6.6	196	1.99	4.0	6.0	4.5	83	0.4	0.3	0.6	18	2.83	0.043	21
618901	Soil	0.2	15.2	46.0	136	0.3	26.0	9.9	443	2.80	13.7	<0.5	8.8	99	0.6	0.5	0.7	25	0.87	0.029	29
618902	Soil	0.2	12.2	33.5	68	0.2	22.1	9.1	220	2.38	7.7	<0.5	8.7	24	0.2	0.2	0.6	24	0.14	0.030	22
618903	Soil	0.2	15.6	49.5	87	0.1	24.9	10.1	352	2.77	9.2	<0.5	10.5	37	0.2	0.2	0.7	28	0.16	0.030	26
618904	Soil	0.5	14.6	71.0	177	0.1	27.8	14.8	588	3.78	20.6	<0.5	8.5	58	0.4	0.7	1.1	39	0.28	0.042	23
618905	Soil	0.5	17.9	30.3	148	<0.1	37.3	18.2	424	4.66	2.8	<0.5	8.4	69	0.5	0.5	0.8	43	0.51	0.025	23
618906	Soil	0.6	15.9	50.7	175	0.2	34.0	16.7	490	4.13	15.2	<0.5	10.8	69	0.6	1.0	1.6	37	0.37	0.031	23
618907	Soil	0.7	11.5	39.9	387	<0.1	20.5	13.1	473	3.75	13.8	<0.5	9.7	56	1.8	0.6	0.8	30	0.52	0.029	21
618908	Soil	0.5	17.5	44.3	110	0.4	30.7	13.4	563	3.40	19.1	<0.5	10.5	70	0.6	1.0	0.9	25	0.46	0.034	48
618909	Soil	0.4	18.6	28.3	2298	0.6	22.6	7.6	293	2.45	20.5	1.0	5.3	56	3.0	0.7	0.6	23	0.73	0.035	24
618910	Soil	0.4	20.2	60.1	298	0.2	25.0	13.2	600	2.97	21.1	<0.5	4.1	106	2.1	0.5	0.7	25	1.02	0.061	24
618911	Soil	0.5	20.2	33.1	225	<0.1	59.1	29.5	1248	7.25	1.8	<0.5	7.8	183	3.9	0.4	0.5	47	0.68	0.088	13
618912	Soil	0.2	7.0	21.0	46	<0.1	13.0	6.4	960	2.16	9.9	<0.5	7.4	41	0.2	0.6	0.4	14	4.34	0.015	33
618913	Soil	0.7	9.9	35.3	242	<0.1	17.8	12.2	864	3.34	9.5	<0.5	7.1	35	0.7	1.0	0.7	39	0.45	0.026	17
618914	Soil	0.3	23.0	84.9	156	0.4	23.6	11.0	511	2.76	79.8	1.5	7.0	86	0.5	1.8	0.7	16	1.27	0.056	29
618915	Soil	0.9	10.4	23.3	58	<0.1	21.3	9.3	182	3.88	8.1	<0.5	8.1	39	0.2	0.6	0.6	27	0.24	0.026	22
618916	Soil	0.2	13.6	36.5	117	0.3	24.6	9.3	353	2.78	8.4	<0.5	9.0	45	0.3	0.2	0.7	26	0.29	0.032	26
618917	Soil	0.3	19.4	67.7	126	0.3	32.0	13.5	363	3.42	12.8	<0.5	11.8	68	0.2	0.6	0.8	30	0.46	0.041	31
618918	Soil	<0.1	8.5	14.1	144	0.5	10.8	2.9	2252	2.17	4.8	0.6	1.6	114	0.2	0.5	0.2	7	14.59	0.048	16
618919	Soil	0.4	11.5	45.2	480	0.5	27.0	11.4	1194	3.57	15.9	<0.5	6.8	122	1.1	2.6	3.3	18	2.76	0.087	52
618920	Soil	0.4	11.7	32.3	104	0.2	24.4	10.5	491	2.82	10.2	<0.5	11.6	38	0.1	1.0	0.5	22	0.32	0.016	35
618921	Soil	0.5	11.7	36.3	204	0.3	24.2	10.0	582	2.85	17.7	<0.5	8.8	35	0.2	1.6	0.5	32	0.49	0.028	27
618922	Soil	0.7	13.3	189.4	559	0.9	17.4	8.9	1061	2.85	29.7	3.6	8.0	39	1.0	2.0	0.5	18	3.13	0.020	34
618923	Soil	0.6	35.2	20.4	602	0.3	55.4	20.7	809	5.61	82.4	<0.5	18.3	39	1.0	1.2	0.8	34	0.96	0.065	54
618924	Soil	0.4	29.0	716.1	454	1.1	23.7	8.1	1216	2.55	25.7	1.1	6.6	63	0.9	1.2	1.2	19	0.98	0.040	31
618925	Soil	0.4	14.1	35.3	148	1.0	27.3	12.1	592	2.85	10.8	<0.5	7.0	100	1.3	0.4	0.7	24	0.87	0.030	20
618926	Soil	0.5	18.5	56.2	286	0.2	25.0	11.7	342	3.50	11.0	6.2	6.9	64	1.3	0.5	1.0	35	0.44	0.030	23

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Project: Quarterback
Report Date: November 06, 2011

CERTIFICATE OF ANALYSIS WHI11001814.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
618847	Soil	33	0.97	60	0.080	1	2.23	0.044	0.19	0.8	0.01	4.2	0.3	<0.05	7	<0.5	<0.2
618848	Soil	21	0.45	78	0.047	<1	1.60	0.018	0.22	0.5	0.01	2.2	0.2	<0.05	5	<0.5	<0.2
618849	Soil	21	0.46	70	0.045	1	1.60	0.019	0.22	0.5	0.01	2.1	0.2	<0.05	5	<0.5	<0.2
618850	Soil	18	0.48	41	0.032	<1	1.13	0.019	0.13	0.5	0.01	2.0	0.2	<0.05	4	<0.5	<0.2
618901	Soil	29	0.98	91	0.054	<1	2.17	0.049	0.17	1.0	0.01	3.3	0.3	<0.05	6	<0.5	<0.2
618902	Soil	24	0.55	78	0.046	<1	2.23	0.015	0.21	0.6	0.01	2.5	0.2	<0.05	6	<0.5	<0.2
618903	Soil	29	0.67	89	0.054	<1	2.31	0.020	0.27	0.5	<0.01	3.1	0.3	<0.05	7	<0.5	<0.2
618904	Soil	38	0.92	65	0.074	<1	2.34	0.028	0.20	0.6	<0.01	3.1	0.3	<0.05	9	<0.5	<0.2
618905	Soil	43	1.04	56	0.071	<1	3.09	0.021	0.19	0.6	0.01	4.4	0.2	<0.05	10	<0.5	<0.2
618906	Soil	37	1.07	58	0.079	<1	2.48	0.039	0.23	0.6	<0.01	3.3	0.3	<0.05	8	<0.5	<0.2
618907	Soil	29	0.72	34	0.058	1	1.94	0.020	0.16	0.5	0.01	2.6	0.2	<0.05	6	<0.5	<0.2
618908	Soil	28	0.63	36	0.062	<1	1.73	0.031	0.16	0.6	0.01	3.8	0.3	<0.05	5	<0.5	<0.2
618909	Soil	22	0.51	41	0.053	1	1.44	0.016	0.12	0.5	0.01	2.6	0.2	<0.05	4	<0.5	<0.2
618910	Soil	27	0.74	36	0.050	1	1.75	0.036	0.16	0.5	<0.01	2.4	0.3	<0.05	5	<0.5	<0.2
618911	Soil	59	1.68	86	0.153	1	5.33	0.086	0.23	0.6	0.02	5.6	0.2	<0.05	13	<0.5	<0.2
618912	Soil	12	2.87	46	0.025	<1	1.00	0.013	0.07	0.4	0.01	2.4	0.2	<0.05	3	<0.5	<0.2
618913	Soil	29	0.62	51	0.084	<1	1.81	0.021	0.11	0.5	<0.01	2.3	0.2	<0.05	7	<0.5	<0.2
618914	Soil	17	0.54	32	0.030	<1	1.21	0.015	0.10	0.5	<0.01	2.5	0.3	<0.05	4	<0.5	<0.2
618915	Soil	24	0.50	52	0.012	<1	1.92	0.008	0.08	0.4	0.02	2.1	0.2	<0.05	6	<0.5	<0.2
618916	Soil	29	0.72	99	0.040	<1	2.39	0.021	0.25	0.5	0.01	3.0	0.2	<0.05	7	<0.5	<0.2
618917	Soil	34	0.86	98	0.038	<1	2.83	0.030	0.26	0.7	0.01	3.9	0.3	<0.05	8	<0.5	<0.2
618918	Soil	8	9.51	32	0.008	<1	0.86	0.005	0.03	0.9	0.02	2.1	0.2	<0.05	3	<0.5	<0.2
618919	Soil	23	0.47	66	0.006	2	1.49	0.007	0.13	0.9	0.02	5.6	0.4	<0.05	5	<0.5	<0.2
618920	Soil	23	0.56	62	0.016	1	1.72	0.010	0.17	0.6	<0.01	3.4	0.3	<0.05	5	<0.5	<0.2
618921	Soil	27	1.42	58	0.055	1	1.64	0.017	0.10	1.4	0.01	3.6	0.2	<0.05	5	<0.5	<0.2
618922	Soil	20	2.70	38	0.007	<1	1.67	0.009	0.09	0.5	0.02	3.3	0.4	<0.05	5	<0.5	<0.2
618923	Soil	39	0.55	29	0.001	6	2.38	0.004	0.12	0.7	<0.01	11.7	0.7	<0.05	6	<0.5	<0.2
618924	Soil	18	0.72	43	0.039	<1	1.29	0.015	0.14	1.0	0.01	2.4	0.3	<0.05	4	<0.5	<0.2
618925	Soil	23	0.86	52	0.045	<1	1.84	0.019	0.13	0.5	0.01	2.1	0.2	<0.05	6	<0.5	<0.2
618926	Soil	31	0.78	52	0.056	<1	2.27	0.020	0.14	0.4	0.01	2.6	0.2	<0.05	9	<0.5	<0.2

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Project: Quarterback
Report Date: November 06, 2011

CERTIFICATE OF ANALYSIS WHI11001814.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
618927	Soil	0.3	26.0	40.1	123	0.3	36.7	14.8	425	3.69	14.3	1.0	7.4	190	0.9	0.4	0.7	40	1.00	0.041	22
618928	Soil	0.2	4.9	11.3	38	0.2	13.2	4.9	236	1.51	5.3	1.3	8.1	13	<0.1	0.1	0.4	16	0.37	0.016	21
618929	Soil	0.8	7.4	18.3	106	0.1	13.5	7.5	202	2.64	5.1	<0.5	4.8	13	0.2	0.3	0.6	41	0.08	0.024	13
618930	Soil	<0.1	7.5	13.2	28	0.2	10.1	4.0	161	1.14	5.9	0.8	6.1	22	<0.1	0.2	0.4	12	0.19	0.013	23
618931	Soil	0.4	15.8	14.8	68	0.2	22.8	8.1	239	2.08	21.0	2.2	7.0	32	0.2	0.7	0.6	19	0.32	0.015	22
618932	Soil	0.3	19.3	15.8	91	0.4	29.2	10.1	266	2.43	18.7	2.9	6.4	36	0.2	0.6	0.7	28	0.42	0.029	25
618933	Soil	0.2	22.0	22.2	92	0.3	20.5	9.0	428	2.42	12.8	1.9	7.7	56	0.3	0.8	0.6	20	4.58	0.051	21
618934	Soil	0.4	12.5	31.7	94	0.1	21.0	9.6	280	2.44	14.0	<0.5	8.1	15	<0.1	0.4	0.8	27	0.07	0.054	20
618935	Soil	0.3	14.3	32.4	80	0.2	17.5	7.2	162	1.79	8.0	0.9	6.0	21	0.1	0.3	0.6	22	0.14	0.049	21
618936	Soil	0.2	7.1	18.6	50	0.1	14.2	5.9	144	1.80	7.4	<0.5	6.7	11	<0.1	0.2	0.6	21	0.06	0.024	17
618937	Soil	0.4	9.3	54.2	87	0.3	20.3	10.4	402	3.65	12.0	6.1	10.8	15	0.4	0.8	1.1	26	0.15	0.054	25
618938	Soil	0.3	15.6	29.5	112	0.2	27.6	10.6	213	2.36	6.4	<0.5	9.8	46	0.2	0.4	0.8	25	0.40	0.063	25
618851	Soil	0.4	9.9	59.3	179	0.2	18.9	8.1	557	2.44	14.9	0.7	6.9	33	0.7	0.9	0.7	24	0.36	0.022	20
618852	Soil	0.5	11.5	37.2	195	0.2	19.9	10.2	557	2.63	9.7	<0.5	6.8	38	0.9	0.5	0.7	29	0.30	0.020	31
618853	Soil	0.6	36.0	65.8	176	1.1	26.2	11.6	1500	3.13	13.7	0.8	9.4	89	1.6	1.2	0.9	23	1.23	0.039	57
618854	Soil	0.4	20.2	32.8	81	<0.1	37.6	17.6	293	3.43	13.9	0.6	9.7	108	0.2	1.0	0.9	24	0.28	0.019	24
618855	Soil	0.5	15.8	30.6	89	<0.1	26.0	11.5	886	3.35	9.1	<0.5	9.2	34	0.5	0.4	0.7	30	0.32	0.016	21
618856	Soil	0.6	9.2	19.8	317	0.3	14.9	8.0	173	2.55	6.9	<0.5	5.7	30	1.0	0.3	0.6	33	0.14	0.015	18
618857	Soil	0.2	8.9	11.7	32	<0.1	15.1	5.8	182	1.37	4.7	<0.5	7.6	11	0.1	0.2	0.5	12	0.09	0.022	17
618858	Soil	0.6	7.4	15.2	73	<0.1	13.3	6.8	179	2.62	5.5	<0.5	5.2	12	0.2	0.3	0.7	36	0.07	0.021	14
618859	Soil	0.2	11.8	15.1	46	0.1	18.8	7.6	187	2.05	7.3	0.6	6.5	39	0.2	0.3	0.9	18	0.39	0.016	16
618860	Soil	0.5	37.0	28.6	132	<0.1	64.0	39.6	758	6.02	12.2	<0.5	6.7	77	0.6	0.4	1.5	36	0.67	0.037	13
618861	Soil	0.3	37.5	15.5	80	0.2	40.5	13.2	445	3.39	6.1	<0.5	4.7	87	0.2	0.3	0.6	25	0.79	0.039	22
618862	Soil	0.4	7.3	23.1	52	<0.1	13.4	6.2	142	2.59	9.9	1.3	7.4	11	0.1	0.2	0.9	30	0.06	0.020	19

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Project: Quarterback
Report Date: November 06, 2011

CERTIFICATE OF ANALYSIS WHI11001814.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
618927	Soil	50	1.06	41	0.113	<1	2.83	0.109	0.23	0.5	0.01	4.7	0.3	<0.05	8	<0.5	<0.2
618928	Soil	17	0.72	66	0.031	<1	1.45	0.008	0.08	0.4	0.02	1.9	0.1	<0.05	4	<0.5	<0.2
618929	Soil	25	0.35	53	0.063	<1	1.33	0.007	0.07	0.5	0.01	1.4	0.1	<0.05	7	<0.5	<0.2
618930	Soil	13	0.29	34	0.027	<1	0.80	0.014	0.07	0.4	<0.01	1.6	0.1	<0.05	2	<0.5	<0.2
618931	Soil	17	0.45	37	0.033	<1	1.06	0.009	0.07	0.6	<0.01	2.4	0.2	<0.05	3	<0.5	<0.2
618932	Soil	26	0.61	49	0.066	<1	1.41	0.016	0.10	0.4	<0.01	2.7	0.2	<0.05	5	<0.5	<0.2
618933	Soil	22	4.46	45	0.056	<1	1.67	0.009	0.14	0.3	<0.01	2.9	0.3	0.11	5	<0.5	<0.2
618934	Soil	25	0.48	61	0.046	<1	1.95	0.011	0.12	0.7	0.02	2.0	0.2	<0.05	6	<0.5	<0.2
618935	Soil	21	0.45	47	0.040	<1	1.39	0.009	0.11	0.5	<0.01	1.8	0.2	<0.05	5	<0.5	<0.2
618936	Soil	20	0.37	40	0.039	<1	1.37	0.006	0.11	0.5	0.01	1.6	0.2	<0.05	5	<0.5	<0.2
618937	Soil	23	0.55	57	0.028	<1	2.08	0.008	0.07	0.6	0.02	2.8	0.2	<0.05	5	<0.5	<0.2
618938	Soil	31	0.62	49	0.071	<1	1.58	0.015	0.20	0.7	<0.01	2.4	0.3	<0.05	5	<0.5	<0.2
618851	Soil	20	0.50	49	0.034	<1	1.46	0.010	0.11	0.5	0.01	2.0	0.2	<0.05	5	<0.5	<0.2
618852	Soil	24	0.44	51	0.048	<1	1.49	0.014	0.09	0.5	0.01	1.9	0.2	<0.05	5	<0.5	<0.2
618853	Soil	21	0.69	64	0.035	<1	1.78	0.016	0.09	0.4	0.03	4.5	0.2	0.07	5	0.5	<0.2
618854	Soil	24	0.70	38	0.048	<1	1.68	0.015	0.10	3.6	<0.01	2.6	0.2	<0.05	5	<0.5	<0.2
618855	Soil	28	0.81	45	0.080	<1	1.92	0.012	0.13	0.4	<0.01	2.4	0.2	<0.05	6	<0.5	<0.2
618856	Soil	27	0.53	59	0.061	<1	1.45	0.019	0.09	0.7	<0.01	2.0	0.1	<0.05	6	<0.5	<0.2
618857	Soil	14	0.30	43	0.025	<1	1.17	0.010	0.09	0.4	0.01	1.3	0.1	<0.05	3	<0.5	<0.2
618858	Soil	25	0.42	35	0.072	<1	1.35	0.007	0.09	0.5	0.01	1.7	0.1	<0.05	7	<0.5	<0.2
618859	Soil	20	0.54	27	0.043	<1	1.25	0.016	0.07	0.5	<0.01	1.8	0.1	<0.05	4	<0.5	<0.2
618860	Soil	40	1.14	27	0.092	1	2.06	0.015	0.06	0.3	0.02	2.5	0.1	0.07	7	<0.5	<0.2
618861	Soil	31	0.97	38	0.093	<1	1.87	0.023	0.15	1.0	0.01	2.5	0.2	0.06	6	<0.5	<0.2
618862	Soil	22	0.35	34	0.059	<1	1.42	0.006	0.09	0.9	<0.01	1.6	0.1	<0.05	6	<0.5	<0.2

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Project: Quarterback
Report Date: November 06, 2011

QUALITY CONTROL REPORT WHI11001814.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
618116	Soil	0.2	24.4	35.9	77	0.3	21.4	9.8	1190	2.86	43.7	1.7	8.1	48	0.1	0.9	0.8	18	2.37	0.029	27
REP 618116	QC	0.2	24.4	36.1	77	0.3	21.3	9.6	1183	2.82	42.8	1.6	8.2	47	0.2	0.9	0.9	17	2.36	0.028	27
618132	Soil	0.3	12.9	47.2	223	0.2	24.5	9.9	292	2.60	11.4	1.4	14.0	26	0.1	0.6	0.8	23	0.23	0.028	38
REP 618132	QC	0.3	13.1	47.8	219	0.2	24.4	9.7	293	2.61	11.5	0.7	13.7	25	<0.1	0.6	0.8	22	0.25	0.027	36
618137	Soil	0.4	22.5	68.3	222	0.6	31.5	13.8	840	3.70	14.2	3.8	10.7	217	1.2	0.7	0.9	33	0.90	0.034	51
REP 618137	QC	0.4	22.4	70.8	226	0.6	30.8	14.1	869	3.76	14.1	2.4	10.7	216	1.2	0.8	0.9	35	0.94	0.034	52
618660	Soil	0.7	28.3	100.5	701	0.7	24.3	10.0	2471	3.31	75.6	1.8	6.0	64	3.7	1.4	1.1	29	1.03	0.042	25
REP 618660	QC	0.8	28.7	96.8	702	0.8	24.0	10.0	2479	3.29	75.7	1.7	5.5	63	3.9	1.3	1.2	28	1.05	0.040	26
618675	Soil	1.6	139.7	93.6	125	3.9	30.0	24.6	1568	12.77	53.3	4.0	11.0	95	1.1	4.9	4.0	29	0.27	0.063	27
REP 618675	QC	1.4	135.2	93.0	119	3.9	30.2	23.6	1561	12.77	52.1	2.3	11.0	91	1.0	4.5	3.9	28	0.26	0.063	26
618693	Soil	0.2	19.7	31.1	85	0.3	20.3	10.1	337	2.12	10.7	0.7	9.8	301	0.4	0.5	0.8	15	7.45	0.052	27
REP 618693	QC	0.2	20.7	31.4	84	0.3	20.5	10.3	347	2.20	11.0	0.8	9.6	296	0.3	0.5	0.7	16	7.66	0.054	27
618819	Soil	0.3	39.2	29.5	102	0.3	24.9	9.9	318	2.98	9.7	1.4	5.7	41	0.6	0.3	0.7	31	0.27	0.085	26
REP 618819	QC	0.3	39.6	30.3	105	0.3	24.1	9.8	319	2.99	10.0	1.1	5.7	41	0.6	0.3	0.7	32	0.26	0.086	26
618826	Soil	0.2	23.4	15.1	70	0.3	18.7	6.2	243	1.84	6.3	1.3	3.5	34	0.3	0.2	0.6	19	0.35	0.037	31
REP 618826	QC	0.2	23.1	14.7	68	0.4	19.2	6.1	243	1.82	5.8	<0.5	3.4	33	0.3	0.2	0.6	19	0.35	0.035	30
618841	Soil	0.2	16.5	45.6	82	0.2	27.7	10.8	434	2.76	9.7	<0.5	8.6	68	0.2	0.2	0.7	28	0.44	0.033	23
REP 618841	QC	0.2	16.6	45.7	86	0.2	28.4	11.0	432	2.82	9.8	<0.5	9.1	71	0.2	0.2	0.7	28	0.44	0.034	25
618915	Soil	0.9	10.4	23.3	58	<0.1	21.3	9.3	182	3.88	8.1	<0.5	8.1	39	0.2	0.6	0.6	27	0.24	0.026	22
REP 618915	QC	0.9	10.4	22.8	59	<0.1	21.5	9.5	182	3.92	8.0	<0.5	7.7	39	0.1	0.6	0.6	27	0.23	0.025	22
618861	Soil	0.3	37.5	15.5	80	0.2	40.5	13.2	445	3.39	6.1	<0.5	4.7	87	0.2	0.3	0.6	25	0.79	0.039	22
REP 618861	QC	0.3	36.1	15.2	83	0.2	39.7	13.8	451	3.41	6.3	<0.5	4.7	85	0.3	0.3	0.6	26	0.82	0.039	21
Reference Materials																					
STD DS8	Standard	12.7	109.0	122.5	298	1.7	36.3	7.4	575	2.30	23.8	117.0	6.2	66	2.4	5.4	6.1	40	0.62	0.071	13
STD DS8	Standard	14.8	118.6	130.6	324	1.8	41.2	8.0	641	2.61	24.9	119.6	7.3	72	2.3	5.8	6.6	45	0.75	0.086	18
STD DS8	Standard	13.7	115.1	125.4	317	1.8	39.8	7.8	610	2.48	23.7	110.4	6.7	66	2.2	5.4	6.1	43	0.70	0.080	16
STD DS8	Standard	14.0	105.6	124.2	302	1.8	36.9	7.4	633	2.47	24.9	114.3	7.4	74	2.1	5.7	6.7	43	0.74	0.079	17
STD DS8	Standard	13.9	109.6	128.5	313	1.8	37.1	7.6	631	2.51	25.0	114.6	7.8	73	2.4	5.8	6.6	43	0.75	0.080	18

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Project: Quarterback
Report Date: November 06, 2011

QUALITY CONTROL REPORT WHI11001814.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
618116	Soil	19	1.92	63	0.038	1	1.26	0.014	0.10	0.8	<0.01	2.8	0.3	0.07	4	<0.5	<0.2
REP 618116	QC	19	1.87	62	0.038	1	1.26	0.013	0.12	0.8	<0.01	2.8	0.2	0.06	4	<0.5	<0.2
618132	Soil	25	0.71	66	0.032	2	1.78	0.015	0.18	0.5	<0.01	3.6	0.3	<0.05	5	<0.5	<0.2
REP 618132	QC	25	0.72	63	0.028	1	1.77	0.014	0.18	0.5	<0.01	3.5	0.2	<0.05	5	<0.5	<0.2
618137	Soil	40	0.88	42	0.078	1	2.71	0.104	0.12	0.6	0.03	4.7	0.3	<0.05	8	0.9	<0.2
REP 618137	QC	40	0.90	43	0.082	2	2.71	0.104	0.13	0.5	0.03	5.0	0.3	<0.05	8	<0.5	<0.2
618660	Soil	23	1.14	79	0.045	2	1.75	0.016	0.15	1.0	0.02	3.2	0.4	<0.05	6	0.9	<0.2
REP 618660	QC	23	1.16	81	0.045	2	1.75	0.015	0.15	0.7	0.02	3.0	0.4	<0.05	6	<0.5	<0.2
618675	Soil	27	0.75	189	0.089	<1	1.62	0.039	0.67	0.5	0.04	3.8	0.9	0.98	7	0.5	<0.2
REP 618675	QC	27	0.74	182	0.088	<1	1.58	0.039	0.65	0.4	0.02	3.9	0.9	0.96	7	<0.5	<0.2
618693	Soil	18	0.64	103	0.030	1	1.26	0.014	0.17	0.5	<0.01	2.2	0.2	<0.05	4	<0.5	<0.2
REP 618693	QC	18	0.65	105	0.029	<1	1.29	0.017	0.17	0.6	<0.01	2.3	0.2	<0.05	4	0.6	<0.2
618819	Soil	40	0.69	55	0.070	<1	1.93	0.016	0.21	0.7	0.03	2.8	0.3	<0.05	7	<0.5	<0.2
REP 618819	QC	40	0.69	59	0.069	<1	1.95	0.016	0.21	0.7	0.03	2.9	0.3	<0.05	7	<0.5	<0.2
618826	Soil	17	0.38	38	0.038	<1	1.21	0.011	0.11	0.5	<0.01	1.8	0.2	<0.05	4	<0.5	<0.2
REP 618826	QC	17	0.38	37	0.037	<1	1.18	0.010	0.10	0.6	<0.01	1.8	0.2	<0.05	4	<0.5	<0.2
618841	Soil	33	0.72	90	0.059	2	2.22	0.034	0.26	0.5	<0.01	2.8	0.3	<0.05	6	<0.5	<0.2
REP 618841	QC	33	0.73	91	0.061	1	2.23	0.036	0.28	0.6	<0.01	3.1	0.3	<0.05	6	<0.5	<0.2
618915	Soil	24	0.50	52	0.012	<1	1.92	0.008	0.08	0.4	0.02	2.1	0.2	<0.05	6	<0.5	<0.2
REP 618915	QC	24	0.49	51	0.012	<1	1.91	0.008	0.08	0.4	0.02	2.2	0.2	<0.05	6	<0.5	<0.2
618861	Soil	31	0.97	38	0.093	<1	1.87	0.023	0.15	1.0	0.01	2.5	0.2	0.06	6	<0.5	<0.2
REP 618861	QC	32	1.01	36	0.094	<1	1.95	0.023	0.15	1.0	0.02	2.5	0.2	0.08	6	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	114	0.57	258	0.107	2	0.89	0.100	0.45	2.8	0.19	2.2	5.3	0.13	4	4.7	4.8
STD DS8	Standard	126	0.64	295	0.133	3	1.02	0.111	0.43	3.3	0.19	3.0	5.6	0.15	5	5.2	5.2
STD DS8	Standard	120	0.60	265	0.120	2	0.94	0.099	0.40	3.0	0.20	2.8	5.3	0.15	5	5.1	5.1
STD DS8	Standard	116	0.60	279	0.129	3	0.97	0.108	0.42	3.1	0.18	2.8	5.3	0.16	5	5.8	4.9
STD DS8	Standard	119	0.64	282	0.133	3	0.98	0.106	0.43	3.1	0.21	2.7	5.4	0.15	5	5.5	4.5

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Project: Quarterback
Report Date: November 06, 2011

QUALITY CONTROL REPORT WHI11001814.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
STD DS8	Standard	13.2	111.2	124.4	306	1.8	38.4	7.7	615	2.43	24.2	114.2	7.3	74	2.1	5.8	6.9	44	0.70	0.073	17
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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QUALITY CONTROL REPORT WHI11001814.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS8	Standard	122	0.60	293	0.132	2	0.99	0.136	0.45	2.8	0.17	3.2	5.4	0.13	5	4.9	4.9
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

Appendix 4
Analytical Methods and Detection Limits

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METHOD SPECIFICATIONS
GROUP 1D AND 1F – GEOCHEMICAL AQUA REGIA DIGESTION

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

Method Description:

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

For 1F07, Lead isotopes (Pb_{204}, Pb_{206}, Pb_{207}, Pb_{208}) are suitable for geochemical exploration of U and other commodities where gross differences in natural to radiogenic Pb ratios, is a benefit. Isotope values can be reported in both concentrations and intensities. Sample splits of 0.25g, 0.5g, 15g or 30g can be analyzed.

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

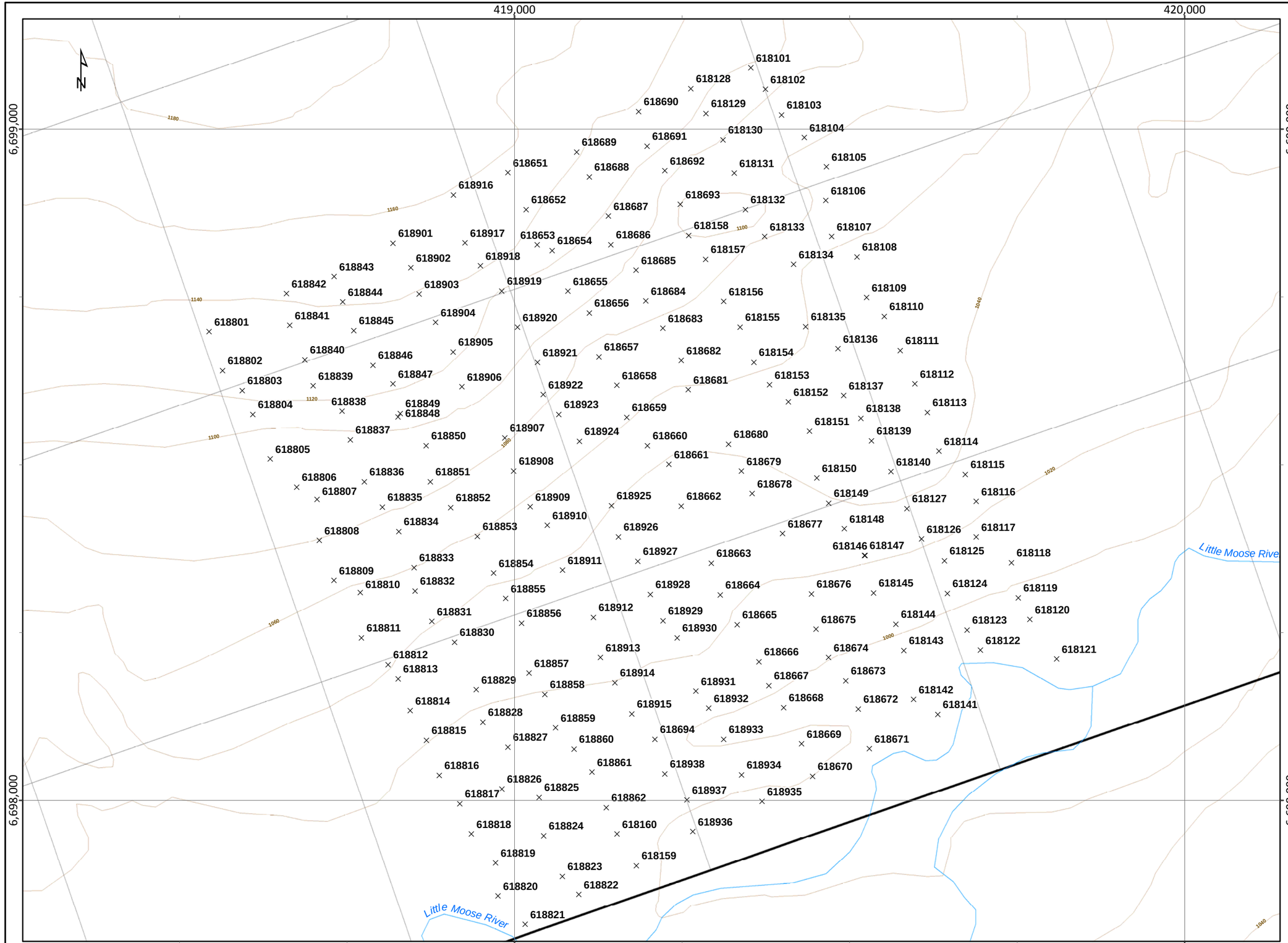
Element	Group 1D Detection	Group 1DX Detection	Group 1F Detection	Upper Limit
Na*	0.01%	0.001%	0.001%	5%
Ni	1 ppm	0.1 ppm	0.1 ppm	10000 ppm
P*	0.001%	0.001%	0.001%	5%
Pb	3 ppm	0.1 ppm	0.01 ppm	10000 ppm
S	0.05%	0.05%	0.02%	10%
Sb	3 ppm	0.1 ppm	0.02 ppm	2000 ppm
Sc	-	0.1 ppm	0.1 ppm	100 ppm
Se	-	0.5 ppm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

* Solubility of some elements will be limited by mineral species present.
^Detection limit = 1 ppm for 15g / 30g analysis.

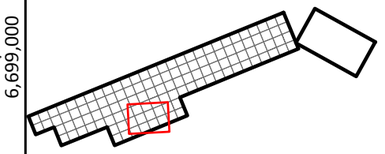
Limitations:

Au solubility can be limited by refractory and graphitic samples.

Appendix 5
Silt Geochemical Plots
for Select Elements



0 4 Km



Map Location

Legend

- Silver Predator Property Outline
- Quartz Claim
- Watercourse
- Elevation (20 m contour)
- Soil Sample Locations

SILVER PREDATOR

Quarterback

Soil Sample Locations

0 0.1 0.2 0.3

Kilometers

Scale:	1:5,500	Map ID:	--
Draw Date:	2012/06/20	Rev. Date:	--
Version:	1	Figure:	Appendix 5-1
Author:	E. O'Brien	Office:	Vancouver
Location:	100 km NW of Watson Lake, Yukon Territory		
Projection:	NAD 1983 UTM Zone 9N		
Filename:	QUA_20120620_App5-1		

418,000 419,000 420,000

6,699,000

6,698,000

N

1240 1220 1200 1180 1160 1140 1120 1100 1080 1060 1040 1020

3.1 4.1 3.1 3.6 3.8 6 3 3.2 6.2 2.8 2.5 2.8 4 4.8 2.9 6.1

Little Moose River

Bedrock Legend

MOVEMENT UNDEFINED

- approximate
- assumed

MID-CRETACEOUS

mKgC: CASSIAR SUITE: granodiorite, biotite-muscovite granodiorite, quartz diorite, biotite quartz monzonite, granite (Cassiar Suite)

LOWER CAMBRIAN

lCR: ROSELLA: resistant, thick bedded to massive, limestone and argillaceous limestone; local archaeocyathid buildups, trilobite fragments, oolites, and pisolites; pisolitic massive dolostone and limestone; marble, calc-silicate, calcareous phyllite and minor schist (Rosella)

lCB: BOYA: light grey to medium brown, fine to medium grained quartz arenite and interbedded argillite, slate, siltstone, phyllite and minor limestone (Boya)

UPPER PROTEROZOIC TO LOWER CAMBRIAN

PCI1: INGENIKA: calcareous sandstone, shale, quartz-eye grit, quartzite, micaceous quartzite and minor grey limestone generally overlain by phyllite, quartzite, and dolomitic marble; muscovite-chlorite schist, biotite schist, metasandstone and minor calc-silicate (Swannel and Tsaydiz of the Ingenika Gp.)

0 4 Km

Map Location

Legend

- Silver Predator Property Outline
- Quartz Claim
- Watercourse
- Elevation (20 m contour)

Au (ppb)

- 0.3 - 1.1
- 1.2 - 1.8
- 1.9 - 2.4
- 2.5 - 10.3

SILVER PREDATOR

Quarterback

Regional Bedrock Geology with Soil Geochemistry

0 0.1 0.2 0.3

Kilometers

Scale:	1:7,500	Map ID:	--
Draw Date:	2012/06/20	Rev. Date:	--
Version:	1	Figure:	Appendix 5-2
Author:	E. O'Brien	Office:	Vancouver
Location:	100 km NW of Watson Lake, Yukon Territory		
Projection:	NAD 1983 UTM Zone 9N		
Filename:	QUA_20120620_BedrockW_Au		

418,000 419,000 420,000

6,699,000

6,698,000

N

1240 1220 1200 1280 1160 1140 1120 1100 1080 1060 1040 1020 1000

3.9

Little Moose River

Bedrock Legend

MOVEMENT UNDEFINED

- approximate
- assumed

MID-CRETACEOUS

mKgC: CASSIAR SUITE: granodiorite, biotite-muscovite granodiorite, quartz diorite, biotite quartz monzonite, granite (Cassiar Suite)

LOWER CAMBRIAN

lCR: ROSELLA: resistant, thick bedded to massive, limestone and argillaceous limestone; local archaeocyathid buildups, trilobite fragments, oolites, and pisolites; pisolitic massive dolostone and limestone; marble, calc-silicate, calcareous phyllite and minor schist (Rosella)

lCB: BOYA: light grey to medium brown, fine to medium grained quartz arenite and interbedded argillite, slate, siltstone, phyllite and minor limestone (Boya)

UPPER PROTEROZOIC TO LOWER CAMBRIAN

PCI1: INGENIKA: calcareous sandstone, shale, quartz-eye grit, quartzite, micaceous quartzite and minor grey limestone generally overlain by phyllite, quartzite, and dolomitic marble; muscovite-chlorite schist, biotite schist, metasandstone and minor calc-silicate (Swannel and Tsaydiz of the Ingenika Gp.)

0 4 Km

Map Location

Legend

- Silver Predator Property Outline
- Quartz Claim
- Watercourse
- Elevation (20 m contour)

Ag (ppm)

- 0.05 - 1.10
- 1.11 - 1.82
- 1.83 - 2.40
- 2.41 - 70.40

SILVER PREDATOR

Quarterback

Regional Bedrock Geology with Soil Geochemistry

0 0.1 0.2 0.3

Kilometers

Scale:	1:7,500	Map ID:	--
Draw Date:	2012/06/20	Rev. Date:	--
Version:	1	Figure:	Appendix 5-3
Author:	E. O'Brien	Office:	Vancouver
Location:	100 km NW of Watson Lake, Yukon Territory		
Projection:	NAD 1983 UTM Zone 9N		
Filename:	QUA_20120620_BedrockW_Ag		

418,000 419,000 420,000

6,699,000

6,698,000

N

136.8

267.8

82.4

176.6

Little Moose River

Bedrock Legend

MOVEMENT UNDEFINED

- approximate
- assumed

MID-CRETACEOUS

mKgC: CASSIAR SUITE: granodiorite, biotite-muscovite granodiorite, quartz diorite, biotite quartz monzonite, granite (Cassiar Suite)

LOWER CAMBRIAN

lCR: ROSELLA: resistant, thick bedded to massive, limestone and argillaceous limestone; local archaeocyathid buildups, trilobite fragments, oolites, and pisolites; pisolitic massive dolostone and limestone; marble, calc-silicate, calcareous phyllite and minor schist (Rosella)

lCB: BOYA: light grey to medium brown, fine to medium grained quartz arenite and interbedded argillite, slate, siltstone, phyllite and minor limestone (Boya)

UPPER PROTEROZOIC TO LOWER CAMBRIAN

PCI1: INGENIKA: calcareous sandstone, shale, quartz-eye grit, quartzite, micaceous quartzite and minor grey limestone generally overlain by phyllite, quartzite, and dolomitic marble; muscovite-chlorite schist, biotite schist, metasandstone and minor calc-silicate (Swannel and Tsaydiz of the Ingenika Gp.)

0 4 Km

Map Location

Legend

- Silver Predator Property Outline
- Quartz Claim
- Watercourse
- Elevation (20 m contour)

Ars (ppm)

- 0.3 - 20.2
- 20.3 - 35.3
- 35.4 - 52.0
- 52.1 - 80.0
- 80.1 - 779.3

SILVER PREDATOR

Quarterback

Regional Bedrock Geology with Soil Geochemistry

0 0.1 0.2 0.3

Kilometers

Scale:	1:7,500	Map ID:	--
Draw Date:	2012/06/20	Rev. Date:	--
Version:	1	Figure:	Appendix 5-4
Author:	E. O'Brien	Office:	Vancouver
Location:	100 km NW of Watson Lake, Yukon Territory		
Projection:	NAD 1983 UTM Zone 9N		
Filename:	QUA_20120620_BedrockW_As		

418,000 419,000 420,000

6,699,000

6,698,000

N

1240 1220 1200 1180 1160 1140 1120 1100 1080 1060 1040 1020 1000

40.5
77.9
39.6
43.1
139.7
55.1
47.2
127.5

Little Moose River

Bedrock Legend

MOVEMENT UNDEFINED

- approximate
- assumed

MID-CRETACEOUS

mKgC: CASSIAR SUITE: granodiorite, biotite-muscovite granodiorite, quartz diorite, biotite quartz monzonite, granite (Cassiar Suite)

LOWER CAMBRIAN

lCR: ROSELLA: resistant, thick bedded to massive, limestone and argillaceous limestone; local archaeocyathid buildups, trilobite fragments, oolites, and pisolites; pisolitic massive dolostone and limestone; marble, calc-silicate, calcareous phyllite and minor schist (Rosella)

lCB: BOYA: light grey to medium brown, fine to medium grained quartz arenite and interbedded argillite, slate, siltstone, phyllite and minor limestone (Boya)

UPPER PROTEROZOIC TO LOWER CAMBRIAN

PCI1: INGENIKA: calcareous sandstone, shale, quartz-eye grit, quartzite, micaceous quartzite and minor grey limestone generally overlain by phyllite, quartzite, and dolomitic marble; muscovite-chlorite schist, biotite schist, metasandstone and minor calc-silicate (Swannel and Tsaydiz of the Ingenika Gp.)

0 4 Km

Map Location

Legend

- Silver Predator Property Outline
- Quartz Claim
- Watercourse
- Elevation (20 m contour)

Cu (ppm)

- 4.9 - 19.1
- 19.2 - 25.0
- 25.1 - 33.2
- 33.3 - 39.2
- 39.3 - 139.7

SILVER PREDATOR

Quarterback

Regional Bedrock Geology with Soil Geochemistry

0 0.1 0.2 0.3

Kilometers

Scale:	1:7,500	Map ID:	--
Draw Date:	2012/06/20	Rev. Date:	--
Version:	1	Figure:	Appendix 5-5
Author:	E. O'Brien	Office:	Vancouver
Location:	100 km NW of Watson Lake, Yukon Territory		
Projection:	NAD 1983 UTM Zone 9N		
Filename:	QUA_20120620_BedrockW_Cu		

418,000 419,000 420,000

6,699,000

6,698,000

N

344.5

716.1

Little Moose River

Bedrock Legend

MOVEMENT UNDEFINED

- approximate
- assumed

MID-CRETACEOUS

mKgC: CASSIAR SUITE: granodiorite, biotite-muscovite granodiorite, quartz diorite, biotite quartz monzonite, granite (Cassiar Suite)

LOWER CAMBRIAN

lCR: ROSELLA: resistant, thick bedded to massive, limestone and argillaceous limestone; local archaeocyathid buildups, trilobite fragments, oolites, and pisolites; pisolitic massive dolostone and limestone; marble, calc-silicate, calcareous phyllite and minor schist (Rosella)

lCB: BOYA: light grey to medium brown, fine to medium grained quartz arenite and interbedded argillite, slate, siltstone, phyllite and minor limestone (Boya)

UPPER PROTEROZOIC TO LOWER CAMBRIAN

PCI1: INGENIKA: calcareous sandstone, shale, quartz-eye grit, quartzite, micaceous quartzite and minor grey limestone generally overlain by phyllite, quartzite, and dolomitic marble; muscovite-chlorite schist, biotite schist, metasandstone and minor calc-silicate (Swannel and Tsaydiz of the Ingenika Gp.)

0 4 Km

Map Location

Legend

- Silver Predator Property Outline
- Quartz Claim
- Watercourse
- Elevation (20 m contour)

Pb (ppm)

- 3.7 - 52.0
- 52.1 - 94.0
- 94.1 - 127.0
- 127.1 - 190.0
- 190.1 - 934.5

SILVER PREDATOR

Quarterback

Regional Bedrock Geology with Soil Geochemistry

0 0.1 0.2 0.3

Kilometers

Scale:	1:7,500	Map ID:	--
Draw Date:	2012/06/20	Rev. Date:	--
Version:	1	Figure:	Appendix 5-6
Author:	E. O'Brien	Office:	Vancouver
Location:	100 km NW of Watson Lake, Yukon Territory		
Projection:	NAD 1983 UTM Zone 9N		
Filename:	QUA_20120620_BedrockW_Pb		

418,000 419,000 420,000

6,699,000

6,698,000

N

4.7

4.9

Little Moose River

Bedrock Legend

MOVEMENT UNDEFINED

- approximate
- assumed

MID-CRETACEOUS

mKgC: CASSIAR SUITE: granodiorite, biotite-muscovite granodiorite, quartz diorite, biotite quartz monzonite, granite (Cassiar Suite)

LOWER CAMBRIAN

lCR: ROSELLA: resistant, thick bedded to massive, limestone and argillaceous limestone; local archaeocyathid buildups, trilobite fragments, oolites, and pisolites; pisolitic massive dolostone and limestone; marble, calc-silicate, calcareous phyllite and minor schist (Rosella)

lCB: BOYA: light grey to medium brown, fine to medium grained quartz arenite and interbedded argillite, slate, siltstone, phyllite and minor limestone (Boya)

UPPER PROTEROZOIC TO LOWER CAMBRIAN

PCI1: INGENIKA: calcareous sandstone, shale, quartz-eye grit, quartzite, micaceous quartzite and minor grey limestone generally overlain by phyllite, quartzite, and dolomitic marble; muscovite-chlorite schist, biotite schist, metasandstone and minor calc-silicate (Swannel and Tsaydiz of the Ingenika Gp.)

0 4 Km

Map Location

Legend

- Silver Predator Property Outline
- Quartz Claim
- Watercourse
- Elevation (20 m contour)

Sb (ppm)

- 0.1 - 1.0
- 1.1 - 2.1
- 2.2 - 2.9
- 3.0 - 3.7
- 3.8 - 6.4

SILVER PREDATOR

Quarterback

Regional Bedrock Geology with Soil Geochemistry

0 0.1 0.2 0.3

Kilometers

Scale:	1:7,500	Map ID:	--
Draw Date:	2012/06/20	Rev. Date:	--
Version:	1	Figure:	Appendix 5-7
Author:	E. O'Brien	Office:	Vancouver
Location:	100 km NW of Watson Lake, Yukon Territory		
Projection:	NAD 1983 UTM Zone 9N		
Filename:	QUA_20120620_BedrockW_Sb		

418,000 419,000 420,000

6,699,000

6,698,000

N

559
602
701
2298

Little Moose River

Bedrock Legend

MOVEMENT UNDEFINED

- approximate
- assumed

MID-CRETACEOUS

mKgC: CASSIAR SUITE: granodiorite, biotite-muscovite granodiorite, quartz diorite, biotite quartz monzonite, granite (Cassiar Suite)

LOWER CAMBRIAN

lCR: ROSELLA: resistant, thick bedded to massive, limestone and argillaceous limestone; local archaeocyathid buildups, trilobite fragments, oolites, and pisolites; pisolitic massive dolostone and limestone; marble, calc-silicate, calcareous phyllite and minor schist (Rosella)

lCB: BOYA: light grey to medium brown, fine to medium grained quartz arenite and interbedded argillite, slate, siltstone, phyllite and minor limestone (Boya)

UPPER PROTEROZOIC TO LOWER CAMBRIAN

PCI1: INGENIKA: calcareous sandstone, shale, quartz-eye grit, quartzite, micaceous quartzite and minor grey limestone generally overlain by phyllite, quartzite, and dolomitic marble; muscovite-chlorite schist, biotite schist, metasandstone and minor calc-silicate (Swannel and Tsaydiz of the Ingenika Gp.)

0 4 Km

Map Location

Legend

- Silver Predator Property Outline
- Quartz Claim
- Watercourse
- Elevation (20 m contour)

Zn (ppm)

- 17 - 180
- 181 - 280
- 281 - 405
- 406 - 543
- 544 - 2298

SILVER PREDATOR

Quarterback

Regional Bedrock Geology with Soil Geochemistry

0 0.1 0.2 0.3

Kilometers

Scale:	1:7,500	Map ID:	--
Draw Date:	2012/06/20	Rev. Date:	--
Version:	1	Figure:	Appendix 5-8
Author:	E. O'Brien	Office:	Vancouver
Location:	100 km NW of Watson Lake, Yukon Territory		
Projection:	NAD 1983 UTM Zone 9N		
Filename:	QUA_20120620_BedrockW_Zn		