

096129

ASSESSMENT REPORT  
2011 GEOCHEMICAL SAMPLING PROGRAM



**JJC PROPERTY**  
WHITEHORSE MINING DIVISION, YUKON, CANADA

NTS Map Sheets: 105C13 and 105C14  
586693 E, 6752315 N (NAD83-8)

**Claims and Owners**

Name	# From	# To	Owner
EM	1	2	18526 Yukon Inc. - 100%
FIG	1	3	18526 Yukon Inc. - 100%
JJC	1	143	Golden Predator Canada Corp. - 100%
JJC	146	161	Golden Predator Canada Corp. - 100%
JJC	162	171	Golden Predator Canada Corp. - 100%
JJC	172	177	Golden Predator Canada Corp. - 100%
JJC	180	199	Golden Predator Canada Corp. - 100%

**Period of Work:** Summer 2011 and Winter 2012

**Owner and Operator:**

Golden Predator Canada Corp.  
1 Lindeman Road  
Whitehorse, YT  
Y1A 5Z7

December 12, 2012

**Prepared by:**

Golden Predator Canada Corp.  
Shaun O'Connor, B.Sc.

## Introduction

This report summarizes the results of soil, stream and rock sampling at the JJC property during the 2011 field season. The JJC property comprises 348 claims covering around 70 square km in central Yukon. Golden Predator Canada Corp has a 100% interest in most of the property and is targeting a lode gold source for the placer deposits in the Livingstone district. Sampling was performed in summer 2011 and early winter 2012. Data in this report was acquired from public databases and field work.



Figure 1: Location of JJC claims

## Property and Access Information

JJC consists of 348 contiguous quartz claims centered on a point approximately 19 km southwest of the southern end of Quiet Lake (Figure 1). The property is found on NTS map sheets 105C13 and 104C14. See Table 1 for a list of claims and grant numbers, as well as ownership information. See Figure 2 for claim locations.

Table 1: Summary of Claim Information

Grant # From	Grant # To		Name	From	To	Owner	Expiry
YC96444	YC96445	Active	EM	1	2	18526 Yukon Inc. - 100%	26/07/2013
YD151500	YD151502	Active	FIG	1	3	18526 Yukon Inc. - 100%	16/06/2013
YD40201	YD40343	Active	JJC	1	143	Golden Predator Canada Corp. - 100%	07/03/2013
YD40346	YD40361	Active	JJC	146	161	Golden Predator Canada Corp. - 100%	07/03/2013
YD147562	YD147571	Active	JJC	162	171	Golden Predator Canada Corp. - 100%	07/03/2013
YD40372	YD40377	Active	JJC	172	177	Golden Predator Canada Corp. - 100%	07/03/2013
YD40380	YD40399	Active	JJC	180	199	Golden Predator Canada Corp. - 100%	07/03/2013
YD148300	YD148309	Active	JJC	200	209	Golden Predator Canada Corp. - 100%	07/03/2013
YD148314	YD148343	Active	JJC	214	243	Golden Predator Canada Corp. - 100%	07/03/2013
YD148348	YD148375	Active	JJC	248	275	Golden Predator Canada Corp. - 100%	07/03/2013
YD148382	YD148409	Active	JJC	282	309	Golden Predator Canada Corp. - 100%	07/03/2013
YD148420	YD148441	Active	JJC	320	341	Golden Predator Canada Corp. - 100%	07/03/2013
YD148452	YD148473	Active	JJC	352	373	Golden Predator Canada Corp. - 100%	07/03/2013
YD148486	YD148499	Active	JJC	386	399	Golden Predator Canada Corp. - 100%	07/03/2013
YD147521	YD147522	Active	JJC	400	401	Golden Predator Canada Corp. - 100%	07/03/2013
YD148502		Active	JJC	402		Golden Predator Canada Corp. - 100%	07/03/2013

The property is located southwest of Quiet Lake, west of the South Canol road, and can be accessed by a bush road spur from the newly upgraded road to the Red Mountain project (Minfile 105C 009). Access for the work in this report was provided by helicopter from a camp at Little Violet Creek, northwest of the property near the Livingstone airstrip.

The nearest infrastructure to the property is the South Canol road, a seasonal, unpaved road from Johnson's Crossing to Ross River.

## Physiography and Climate

The property is located within the Yukon Plateau, which was glaciated extensively during the Pleistocene and as recently as the McConnell glaciation. The topography of the area consists of rounded, rolling hills and broad valleys. Elevations range from 500 to 1850. Most of the property is covered by glacial till and glaciofluvial deposits, with some bedrock exposure on ridges. The area experiences light precipitation (250-300 mm), with snow cover on ridges from mid-October to mid-May. Average January temperatures range from -20 to -30 degrees C and average July temperatures range from 10 to 15 degrees C, with forest fires a fairly common occurrence. Vegetation is predominantly montane boreal forest (Yukon Ecoregions Working Group, 2004)

## Historical Work

Previous work at JJC investigated the volcanogenic massive sulfide potential of the metavolcanic sequences found there.

**Table 2: Summary of Previous Work**

Year	Company	Work
1967	Mount Grant Mines Ltd.	Trenching
1989	R. Hamel	Prospecting and trenching
1996	13744 Yukon Inc.	Prospecting, mapping, and soil and rock sampling
1997	15053 Yukon Inc.	Airborne magnetic and EM, prospecting, mapping, trenching, and soil and rock sampling
1998	15053 Yukon Inc.	Prospecting, mapping, sampling and trenching
1999	15053 Yukon Inc.	Prospecting, trenching, and 3 drill holes totalling 73.2 m

## Geology

Within the context of Cordilleran terranes, the Livingstone district forms the boundary between pericratonic Yukon-Tanana terrane and the Quesnellia and Stikinia arcs in central Yukon. Intrusives range in age from Early Mississippian pre-amalgamation to Late Cretaceous/Early Tertiary post-amalgamation (Colpron, 2006).

JJC is underlain by quartzite to quartz-muscovite schists (Yukon-Tanana, Devonian-Mississippian), metamorphosed mafic rocks of uncertain age (Proterozoic to Paleozoic, ascribed to Yukon-Tanana terrane), and intruded to the northwest by the mid to late Cretaceous Quiet Lake pluton.

Gordey and Stevens (1994) mapped phyllites with minor quartz-muscovite schist and marble, protomylonitic quartz-muscovite schist with minor chlorite actinolite schist and graphitic phyllite, and minor greenstones in the area. These rocks are geologically similar to those underlying the Livingstone placer district to the northwest (Colpron, 2006) but their place within that stratigraphy is unclear.

Traynor (2000) described dioritic dykes and sills, locally porphyritic, that cut metamorphic rocks in the area. These intrusives are likely related to the Quiet Lake batholith as mapped at the northwestern end of the claim block.

## **Mineralization Model**

The JJC claims were staked as part of a factor analysis of historic stream sediments in the central Yukon, and in the interest of exploring for lode gold deposits upstream of historic placer workings on Sidney Creek.

Lode gold systems, also known as gold-quartz veins, motherlode veins and orogenic veins are a broadly defined class of deposits characterized by their metal content (native Au dominant), mode of occurrence (large quartz vein systems), and by some workers, their association with greenstones, especially Archean belts (Dubé and Gosselin, 2007). The deposit type encompasses the massive Archean greenstone-hosted deposits of the Canadian Shield and the lesser known Phanerozoic examples (ex. Bralorne-Pioneer).

Lode gold systems contain native gold along with a multitude of possible subordinate metal minerals (pyrite>pyrrhotite>chalcopyrite, generally) in quartz-carbonate veins formed from H<sub>2</sub>O-CO<sub>2</sub> rich fluids (Dubé and Gosselin, 2007). They are associated with steeply dipping brittle-ductile structures in major fault systems, especially those formed as part of terrane collisions. Host rocks are commonly greenstone to lower amphibolite facies mafic rocks (Dubé and Gosselin, 2007). Nearby VMS deposits have been identified as a potentially significant factor in the development of these deposits, as well as the presence of regional unconformities (Dubé and Gosselin, 2007). In Canada, lode gold deposits average around 21 Mt at 5-15 g/t Au

## **2011 Field Work**

The exploration season at JJC started with property-wide silt sampling and limited prospecting in summer 2011. Kryotek Arctic Innovation of Whitehorse, YT was contracted to take soil samples using a portable auger drill early in the winter of 2012. Soil samples were planned on ridges due to extensive till and limited access in valleys.

### ***Silt Sampling***

Stream sediment samples were collected along 750 m intervals and immediately upstream of any confluences. Active silt and fine to medium sand that has been recently transported was the target sediment. Samples were sieved in the field with a 6 mesh (~1/8") screen and placed in plastic sample bags. If a drainage contained seasonal stream sediment deposition but was currently dry, a sample was collected by dry sieving the material. Samples were transported from the Little Violet Creek camp to Whitehorse by Alkan Air, and were delivered to ALS Chemex by Golden Predator personnel.

### ***Auger Sampling***

Using proprietary handheld drills and tooling, Kryotek takes soil samples from a consistent depth of 85 cm, unless bedrock is encountered. The drills can sample in permafrost, boulder-rich soil and beneath talus. Sample spacing was approximately 50 meters. Soil samples were transported to Whitehorse by helicopter, and delivered to ALS Chemex by Golden Predator personnel.

Detailed analytical procedures can be found in the Appendix.

## **Discussion and Conclusions**

Silt sampling at JJC identified a single anomalous creek that drains rocks south of the claim block. Power auger soil sampling on ridges produced a single anomalous soil sample (27.4 ppb Au) near a mapped intrusive contact between the Quiet Lake batholith and Yukon-Tanana rocks. Ridge soil lines approximately parallel the steeply SW dipping foliation in the area, which may be an unfavourable geometry for detecting mineralization parallel to local structures. Gold values in nearby soils may be attenuated by thin till cover in the area. Further work in the area should focus on the contact between intrusive and metasedimentary rocks, with detailed prospecting along ridge tops.

## References

Colpron, M., 2006. Geology and mineral potential of Yukon-Tanana Terrane in the Livingstone Creek area (NTS 105E/8), south-central Yukon. In: Yukon Exploration and Geology 2005, D.S. Emond, G.D. Bradshaw, L.L. Lewis and L.H. Weston (eds.), Yukon Geological Survey, p. 93-107.

Dubé, B., and Gosselin, P., 2007, Greenstone-hosted quartz-carbonate vein deposits, in Goodfellow, W.D., ed., Mineral Deposits of Canada: A Synthesis of Major Deposit-Types, District Metallogeny, the Evolution of Geological Provinces, and Exploration Methods: Geological Association of Canada, Mineral Deposits Division, Special Publication No. 5, p. 49-73.

Gordey, S.P. and Stevens, R.A., 1994, Preliminary interpretation of bedrock geology of the Teslin area (105C); southern Yukon. Geological Survey of Canada, Open File 2886 (1:250,000 scale map).

Traynor, S. 2000. Report on geology, prospecting and drilling of the Bigtop property. Yukon Assessment Report #094097. Accessed from <http://yma.gov.yk.ca/094097.pdf>.

Yukon Ecoregions Working Group, 2004. Pelly Mountains. In: Ecoregions of the Yukon Territory: Biophysical properties of Yukon landscapes, C.A.S. Smith, J.C. Meikle and C.F. Roots (eds.), Agriculture and Agri-Food Canada, PARC Technical Bulletin No. 04-01, Summerland, British Columbia, p. 63-72.

JJC Project Statement of Expenditures

<b>Phase 1 - May 27 - June 15, 2011</b>		(Field work done June 9, 2011)		
<b>Expenditure</b>	<b>Units</b>	<b>Unit Cost</b>	<b>Per</b>	<b>Cost</b>
<b>Wages</b>				
Golden Predator Canada Corp.	17	\$ 224.14	stream sed sample	\$ 3,810.38
Management and report writing	3	\$ 500.00	day	\$ 1,500.00
<b>Transportation</b>				
Helicopter	17	\$ 308.17	sample	\$ 5,238.89
Fuel	17	\$ 78.49	sample	\$ 1,334.33
<b>Consumables</b>				
Camp, food, fixed wing etc.	17	\$ 162.20	sample	2,757.40
<b>Samples</b>				
Stream Sediment Samples	17	\$ 55.00	sample	\$ 935.00
<b>Total</b>				<b>\$ 15,576.00</b>

Total Number of Silt Samples 17  
 Cost Per Sample \$ 916.24

<b>Phase 2 - September 18 - 24, 2011</b>		(Field work done 0.2 days: Sept 22, 2011)		
<b>Expenditure</b>	<b>Units</b>	<b>Unit Cost</b>	<b>Per</b>	<b>Cost</b>
<b>Wages</b>				
Golden Predator Canada Corp.	0.2	\$ 1,400.00	day	\$ 280.00
<b>Transportation</b>				
Helicopter (20% of 3.1 hours = 0.62)	0.62	\$ 1,100.00	hour	\$ 682.00
Fuel	0.62	\$ 300.00	hour	\$ 186.00
<b>Consumables</b>				
Camp, food, fixed wing etc.	0.2	\$ 1,062.00	day	212.40
<b>Samples</b>				
Rock Sample	9	\$ 50.00	sample	\$ 450.00
<b>Total</b>				<b>\$ 1,810.40</b>

<b>Phase 4 - February 15 - March 01, 2012</b>		(Field work done Feb 27 2012)		
<b>Expenditure</b>	<b>Units</b>	<b>Unit Cost</b>	<b>Per</b>	<b>Cost</b>
<b>Contract</b>				
Kryotek Arctic Innovation Inc. (4 person crew, \$65/sample)	93	\$ 65.00	sample	\$ 6,045.00
<b>Transportation</b>				
Helicopter + Fuel (A-Star)	93	\$ 59.00	sample	\$ 5,487.00
<b>Consumables</b>				
Sample Bags	93	\$ 2.75	bag	255.75
<b>Assays</b>				
Acme Analytical Laboratory	93	\$ 25.00	sample	2,325.00
<b>Golden Predator Management</b>				
Sample planning, layout, and sample organization	2	\$ 500.00	man days	1,000.00
Report time for Phase 4 Soil sampling	3	\$ 500.00	man days	\$ 1,500.00
<b>Total</b>				<b>\$ 16,612.75</b>

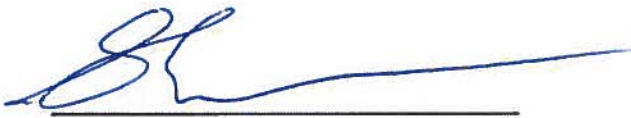
**Phase 1 + Phase 2 + Phase 4 TOTAL \$ 33,999.15**

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**Certificate of Authorship**

I, Shaun O'Connor of Whitehorse, YT certify that:

1. I am a graduate of Carleton University, Ottawa, ON with a B.Sc. (Hons.) in Earth Sciences.
2. I have worked in mineral exploration and geologic mapping in the Yukon for 6 years.
3. I am author of the preceding report.



Shaun O'Connor, B.Sc.  
Whitehorse, YT  
December 12<sup>th</sup>, 2012





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Project: LIVINGSTONE  
 Report Date: March 21, 2012

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CERTIFICATE OF ANALYSIS

WHI12000008.1

Method	Analyte	Unit	MDL	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
K954001	Soil			0.8	44.2	28.3	51	0.4	38.4	16.5	546	2.81	3.9	<0.5	1.3	43	0.3	0.5	<0.1	73	3.59	0.060	7
K954002	Soil			0.8	40.8	32.5	55	0.5	33.8	14.8	451	2.80	5.8	0.9	2.9	14	0.2	0.6	0.1	80	0.69	0.067	6
K954003	Soil			0.5	41.8	36.8	59	0.4	27.7	15.0	525	3.00	3.6	<0.5	1.4	14	0.2	0.8	<0.1	80	0.71	0.113	5
K954004	Soil			0.5	37.1	6.2	52	0.2	35.4	16.5	579	2.89	4.1	1.8	1.1	17	0.2	0.4	<0.1	87	0.46	0.052	5
K954005	Soil			0.1	6.1	4.9	29	0.2	8.5	6.4	282	1.64	0.7	<0.5	2.6	135	<0.1	<0.1	0.2	55	0.48	0.083	5
K954006	Soil			<0.1	8.9	14.9	30	<0.1	11.9	8.1	312	2.08	2.3	<0.5	2.7	49	<0.1	0.2	<0.1	67	0.56	0.080	6
K954007	Soil			0.2	6.5	5.2	38	0.2	11.8	8.4	461	2.11	2.7	<0.5	1.5	24	<0.1	0.3	<0.1	60	0.34	0.081	6
K954008	Soil			<0.1	2.9	2.0	25	<0.1	6.3	5.2	232	1.51	<0.5	<0.5	2.9	60	<0.1	<0.1	<0.1	53	0.50	0.088	5
K954009	Soil			3.2	27.4	9.3	42	0.3	6.5	3.1	224	3.07	2.1	<0.5	2.0	34	0.1	0.1	0.3	43	0.04	0.077	7
K954010	Soil			1.5	16.5	26.1	71	0.2	25.7	8.5	405	1.94	4.5	<0.5	7.4	23	0.7	0.2	0.6	50	0.27	0.045	14
K954011	Soil			0.4	6.6	10.8	73	0.2	5.4	2.1	113	0.67	1.5	<0.5	6.2	5	0.3	<0.1	0.4	16	0.05	0.015	8
K954012	Soil			0.6	9.9	10.7	69	0.2	10.2	4.7	328	1.50	1.2	<0.5	8.7	8	0.5	<0.1	0.4	38	0.15	0.055	14
K954013	Soil			<0.1	7.7	9.6	40	0.2	2.7	3.5	301	0.99	<0.5	<0.5	12.8	10	<0.1	<0.1	4.0	23	0.13	0.045	20
K954014	Soil			1.7	18.7	6.5	126	0.1	15.4	5.1	1315	1.30	1.2	<0.5	10.7	10	4.3	0.1	0.6	35	0.18	0.061	18
K954015	Soil			7.0	28.4	9.6	73	0.2	29.8	9.5	402	2.40	3.0	2.6	3.3	14	1.3	0.2	0.6	79	0.22	0.035	9
K954016	Soil			1.6	32.4	26.3	84	0.2	36.2	11.4	403	2.53	3.5	0.9	1.9	17	0.6	0.3	0.4	76	0.20	0.053	11
K954017	Soil			1.8	16.7	11.4	60	0.1	6.3	2.9	227	1.18	0.6	<0.5	8.2	7	0.4	<0.1	0.4	28	0.15	0.062	22
K954018	Soil			5.5	60.0	11.7	365	0.2	57.1	6.6	386	3.93	0.8	<0.5	4.8	36	1.8	<0.1	0.2	238	0.25	0.046	17
K954019	Soil			1.3	27.2	9.3	80	0.2	46.5	11.9	364	2.65	4.0	0.6	3.1	16	0.4	0.3	0.2	84	0.17	0.028	10
K954020	Soil			3.1	21.5	4.9	44	0.4	7.0	2.5	194	1.81	<0.5	<0.5	4.4	19	0.2	<0.1	0.6	111	0.14	0.045	15
K954021	Soil			0.5	19.8	8.8	38	0.2	25.4	11.5	251	1.72	0.6	<0.5	4.9	117	0.2	<0.1	0.1	42	2.05	0.071	9
K954022	Soil			0.3	14.5	7.3	47	0.3	17.7	12.1	545	2.62	12.4	0.9	2.8	24	<0.1	0.8	<0.1	71	0.43	0.085	8
K954023	Soil			5.5	23.0	7.4	159	0.3	48.9	9.3	254	2.10	3.9	<0.5	2.3	14	2.1	0.3	0.2	84	0.23	0.028	7
K954024	Soil			2.5	15.0	6.9	120	0.4	25.8	8.6	432	1.84	0.7	<0.5	2.9	45	0.8	<0.1	0.1	94	0.47	0.050	13
K954025	Soil			2.4	27.4	9.5	94	0.3	48.5	11.5	379	2.92	4.8	<0.5	2.9	23	0.7	0.3	0.1	88	0.24	0.052	10
K954026	Soil			32.9	44.4	50.0	318	0.7	21.0	5.2	151	1.93	<0.5	<0.5	1.1	30	23.4	0.3	0.3	244	0.14	0.040	5
K954027	Soil			7.3	29.5	164.2	57	0.7	32.3	7.2	230	2.73	2.0	0.9	2.9	48	0.7	0.3	2.2	66	0.15	0.070	9
K954301	Soil			0.6	65.3	9.0	58	0.6	28.4	24.9	961	4.26	9.6	0.9	0.9	110	0.3	0.3	<0.1	166	2.36	0.036	3
K954302	Soil			1.3	26.0	11.3	40	0.1	26.5	13.4	366	2.83	19.3	3.0	2.0	19	0.2	1.0	0.1	81	0.26	0.042	10
K954303	Soil			1.1	42.2	8.2	99	0.1	41.5	39.5	1650	5.94	25.9	1.8	0.7	19	0.2	1.3	<0.1	183	0.61	0.076	6

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: LIVINGSTONE

Report Date: March 21, 2012

Page: 2 of 12 Part 2

# CERTIFICATE OF ANALYSIS

WHI12000008.1

Method	Analyte	Unit	MDL	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	0.01	0.1	0.05	1	0.5	0.2
K954001	Soil			83	1.55	205	0.099	<1	1.62	0.020	0.09	1.1	0.02	6.1	<0.1	<0.05	5	<0.5	<0.2	
K954002	Soil			65	1.07	132	0.095	1	1.35	0.026	0.10	1.7	0.01	5.1	0.1	<0.05	5	<0.5	<0.2	
K954003	Soil			52	1.32	144	0.065	<1	1.54	0.023	0.13	1.5	0.02	5.4	<0.1	<0.05	6	<0.5	<0.2	
K954004	Soil			87	1.40	106	0.117	1	1.78	0.021	0.12	1.1	0.01	5.0	<0.1	<0.05	5	<0.5	<0.2	
K954005	Soil			24	0.50	88	0.087	<1	0.78	0.046	0.08	2.1	<0.01	2.4	<0.1	<0.05	4	<0.5	<0.2	
K954006	Soil			35	0.62	58	0.080	<1	0.87	0.050	0.06	1.3	<0.01	3.0	<0.1	<0.05	4	<0.5	<0.2	
K954007	Soil			32	0.74	41	0.077	<1	1.12	0.032	0.05	1.7	<0.01	3.1	<0.1	<0.05	5	<0.5	<0.2	
K954008	Soil			23	0.45	69	0.082	<1	0.64	0.040	0.05	1.8	<0.01	1.4	<0.1	<0.05	3	<0.5	<0.2	
K954009	Soil			35	0.47	142	0.032	<1	1.05	0.061	0.21	11.4	<0.01	1.5	0.4	0.25	3	1.4	<0.2	
K954010	Soil			31	0.66	128	0.080	1	1.35	0.016	0.22	9.0	0.01	3.1	0.3	<0.05	5	0.6	<0.2	
K954011	Soil			9	0.12	40	0.023	<1	0.45	0.021	0.08	7.6	0.01	1.1	0.1	<0.05	2	<0.5	<0.2	
K954012	Soil			19	0.43	63	0.102	<1	0.96	0.019	0.34	6.3	0.01	2.9	0.4	<0.05	5	<0.5	<0.2	
K954013	Soil			7	0.32	79	0.095	<1	0.73	0.067	0.48	11.7	<0.01	3.0	0.7	<0.05	4	<0.5	<0.2	
K954014	Soil			19	0.35	225	0.039	<1	0.85	0.011	0.11	4.1	<0.01	2.6	0.2	<0.05	3	<0.5	<0.2	
K954015	Soil			39	0.63	159	0.085	<1	1.48	0.019	0.13	5.3	0.01	3.6	0.2	<0.05	4	0.7	<0.2	
K954016	Soil			51	0.74	132	0.072	<1	1.72	0.017	0.17	3.8	0.02	3.4	0.2	<0.05	5	0.7	<0.2	
K954017	Soil			11	0.33	65	0.082	<1	0.72	0.033	0.33	6.4	<0.01	2.4	0.4	<0.05	4	<0.5	<0.2	
K954018	Soil			62	1.50	125	0.114	<1	3.09	0.053	0.76	3.9	<0.01	7.0	1.0	<0.05	9	3.6	<0.2	
K954019	Soil			57	0.86	175	0.095	<1	1.87	0.016	0.14	4.5	0.02	4.2	0.2	<0.05	6	<0.5	<0.2	
K954020	Soil			23	0.51	79	0.131	<1	0.86	0.065	0.35	2.8	<0.01	4.0	0.4	0.16	3	2.5	<0.2	
K954021	Soil			36	0.74	68	0.092	1	3.81	0.209	0.53	7.1	<0.01	2.5	0.5	0.07	10	<0.5	<0.2	
K954022	Soil			36	0.84	82	0.056	<1	1.24	0.023	0.08	2.5	0.04	4.2	<0.1	<0.05	5	<0.5	<0.2	
K954023	Soil			65	0.73	121	0.062	<1	1.25	0.029	0.12	5.8	<0.01	3.2	0.2	0.05	4	1.9	<0.2	
K954024	Soil			38	0.66	68	0.074	<1	1.64	0.070	0.42	5.1	0.01	3.5	0.4	0.07	6	1.0	<0.2	
K954025	Soil			106	0.97	213	0.109	<1	1.80	0.033	0.12	3.6	0.04	4.2	0.2	<0.05	6	0.8	<0.2	
K954026	Soil			35	0.32	115	0.065	<1	0.85	0.036	0.15	10.7	0.06	1.8	0.4	0.08	3	14.9	<0.2	
K954027	Soil			52	0.46	167	0.070	<1	0.95	0.057	0.07	6.2	0.02	2.9	0.2	0.18	3	3.3	0.2	
K954301	Soil			77	1.89	27	0.171	4	4.72	0.023	0.09	0.7	0.03	21.3	<0.1	<0.05	10	<0.5	<0.2	
K954302	Soil			38	0.54	83	0.066	1	1.51	0.021	0.07	1.0	0.03	5.0	0.1	<0.05	5	<0.5	<0.2	
K954303	Soil			55	0.70	61	0.111	5	2.15	0.043	0.08	0.3	0.07	18.5	0.1	<0.05	8	<0.5	<0.2	



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Project: LIVINGSTONE  
Report Date: March 21, 2012

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CERTIFICATE OF ANALYSIS

WHI12000008.1

Method	Analyte	Unit	MDL	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	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm			
				0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
K954028	Soil			6.1	20.6	7.9	50	0.6	8.9	3.0	274	2.77	2.8	0.6	2.1	9	0.2	0.2	0.1	66	0.06	0.042	5	
K954029	Soil			5.5	9.9	4.6	17	0.6	1.0	0.8	202	2.76	<0.5	0.9	1.4	7	<0.1	0.1	0.5	72	<0.01	0.036	3	
K954030	Soil			10.6	27.7	13.7	41	0.8	4.4	1.3	253	4.27	<0.5	1.9	3.6	24	0.1	0.1	0.2	292	0.04	0.065	7	
K954031	Soil			8.5	46.0	4.9	92	0.8	11.6	4.3	337	3.79	<0.5	4.1	1.6	30	0.4	<0.1	0.1	114	0.22	0.065	4	
K954032	Soil			1.8	26.5	11.0	41	1.0	9.5	3.3	190	4.58	0.8	0.7	1.3	20	0.1	0.3	<0.1	89	0.13	0.112	5	
K954033	Soil			3.1	45.3	8.2	166	0.4	40.1	8.9	340	2.53	3.1	2.2	2.4	17	0.7	0.3	0.2	100	0.23	0.039	7	
K954034	Soil			10.3	29.4	20.5	137	0.4	34.2	8.2	214	1.76	1.8	4.9	1.6	30	0.9	0.3	0.7	77	0.21	0.036	6	
K954035	Soil			3.1	19.0	5.7	108	0.3	17.9	7.4	275	1.56	0.9	2.9	2.4	13	0.5	<0.1	0.3	63	0.14	0.034	6	
K954036	Soil			6.8	21.4	7.9	40	0.6	1.9	1.4	432	3.33	<0.5	5.4	1.1	16	<0.1	<0.1	0.2	195	0.07	0.049	2	
K954037	Soil			0.9	7.5	10.7	42	0.2	7.6	5.2	310	1.84	1.6	2.2	1.3	27	0.1	0.2	0.2	43	0.10	0.067	18	
K954038	Soil			1.4	19.8	6.7	55	0.2	24.3	8.2	295	1.83	2.1	1.1	6.4	13	0.2	0.1	0.2	61	0.18	0.047	13	
K954039	Soil			1.5	15.8	6.4	49	0.3	19.3	6.8	253	1.81	1.9	1.1	1.8	20	0.3	0.2	0.8	65	0.20	0.048	7	
K954040	Soil			1.3	16.5	6.7	63	0.2	14.1	5.9	303	1.92	2.0	1.6	1.7	9	0.2	0.2	0.4	64	0.12	0.043	6	
K954041	Soil			1.6	20.2	8.2	55	0.6	22.7	8.3	307	2.18	2.4	1.6	1.4	21	0.2	0.2	0.3	77	0.28	0.079	11	
K954042	Soil			1.5	24.2	6.7	62	0.2	35.0	10.0	313	2.21	2.0	1.3	3.3	30	0.2	0.1	0.3	72	0.39	0.036	9	
K954043	Soil			0.6	9.0	5.9	40	0.1	111.0	10.7	280	1.56	1.3	1.3	12.7	12	0.2	<0.1	0.1	37	0.14	0.041	12	
K954044	Soil			0.4	5.6	7.2	46	0.1	9.6	4.6	287	1.41	0.6	<0.5	9.3	13	0.1	<0.1	0.1	40	0.21	0.068	29	
K954045	Soil			1.2	15.8	7.8	45	0.1	16.4	6.7	316	1.55	1.8	0.7	3.7	10	0.1	0.2	0.2	49	0.14	0.030	11	
K954046	Soil			1.2	17.9	11.6	58	0.6	24.0	7.9	340	1.79	2.4	1.2	5.3	20	0.3	0.1	0.2	56	0.13	0.039	12	
K954047	Soil			1.6	20.8	7.9	58	0.2	29.0	8.8	332	2.02	2.5	0.8	2.7	15	0.2	0.2	0.3	75	0.17	0.041	10	
K954048	Soil			3.4	49.2	6.2	57	0.3	32.4	9.8	345	2.09	1.1	<0.5	2.7	26	0.3	<0.1	0.2	132	0.53	0.054	5	
K954049	Soil			1.8	21.3	5.2	55	0.3	27.3	8.5	326	2.10	2.5	<0.5	2.1	17	0.2	0.2	0.3	113	0.26	0.052	7	
K954050	Soil			0.4	5.0	12.0	37	0.1	5.3	3.9	238	1.20	0.8	<0.5	4.9	19	<0.1	<0.1	0.1	26	0.19	0.051	14	
K954351	Soil			0.6	35.4	4.6	80	0.2	35.7	20.7	703	4.79	5.9	<0.5	1.3	18	0.2	0.6	<0.1	167	0.66	0.049	6	
K954352	Soil			0.7	31.2	6.5	65	0.3	25.0	16.9	517	3.71	6.7	<0.5	7.2	13	0.1	0.8	<0.1	126	0.90	0.059	8	
K954353	Soil			0.2	29.3	2.9	55	0.2	27.2	16.8	590	3.34	4.5	<0.5	1.3	22	0.2	0.4	<0.1	97	0.70	0.040	4	
K954354	Soil			0.6	33.5	5.3	64	0.2	28.3	20.0	863	4.20	9.2	1.2	3.0	14	0.2	0.6	<0.1	130	0.55	0.060	9	
K954355	Soil			0.7	34.1	6.6	56	0.5	28.5	16.3	663	3.21	6.9	5.9	2.2	21	0.2	0.5	<0.1	99	0.62	0.057	9	
K954356	Soil			0.5	41.1	3.5	80	0.2	36.1	21.3	873	4.86	3.6	0.7	1.2	18	0.3	0.1	<0.1	146	1.28	0.062	6	
K954357	Soil			0.6	26.3	6.6	47	0.1	24.5	14.2	440	3.04	6.3	1.6	3.1	18	0.1	0.6	<0.1	100	0.57	0.058	10	

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Project: LIVINGSTONE  
Report Date: March 21, 2012

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# CERTIFICATE OF ANALYSIS

WHI12000008.1

Method Analyte	Unit	MDL	1DX15	1DX15	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		
K954028	Soil		18	0.46	152	0.049	<1	0.81	0.016	0.21	7.4	0.01	3.6	0.5	0.11	3	4.1	<0.2		
K954029	Soil		11	0.46	223	0.046	<1	0.59	0.031	0.40	4.4	<0.01	3.2	1.0	0.44	3	9.0	<0.2		
K954030	Soil		132	1.11	199	0.086	<1	1.27	0.049	0.90	4.6	<0.01	6.1	1.1	0.60	6	12.0	<0.2		
K954031	Soil		16	0.61	263	0.071	<1	1.33	0.041	0.47	9.7	0.01	4.8	1.1	0.55	4	6.7	<0.2		
K954032	Soil		72	0.65	219	0.063	<1	0.96	0.019	0.36	7.6	0.02	3.8	0.6	0.18	4	4.7	<0.2		
K954033	Soil		42	0.60	183	0.076	<1	1.55	0.020	0.17	7.1	0.01	4.7	0.2	<0.05	5	1.8	<0.2		
K954034	Soil		29	0.47	160	0.057	1	1.16	0.015	0.11	8.7	0.03	2.5	0.2	0.06	4	2.6	<0.2		
K954035	Soil		25	0.38	137	0.043	1	0.88	0.018	0.15	9.6	0.02	2.2	0.2	<0.05	3	2.2	<0.2		
K954036	Soil		25	1.13	439	0.106	<1	1.42	0.041	0.66	4.7	<0.01	10.3	0.8	0.36	6	7.3	<0.2		
K954037	Soil		24	0.36	109	0.025	<1	1.50	0.012	0.12	7.8	0.05	1.1	0.4	<0.05	7	<0.5	<0.2		
K954038	Soil		36	0.54	151	0.075	<1	1.16	0.019	0.18	7.1	0.02	3.0	0.2	<0.05	4	<0.5	<0.2		
K954039	Soil		32	0.48	176	0.076	<1	1.11	0.017	0.13	5.4	0.06	2.4	0.2	<0.05	5	<0.5	<0.2		
K954040	Soil		25	0.47	79	0.066	<1	1.07	0.017	0.07	4.7	0.04	3.1	0.2	<0.05	5	<0.5	<0.2		
K954041	Soil		38	0.53	174	0.072	1	1.29	0.020	0.16	5.1	0.03	2.5	0.2	<0.05	6	<0.5	<0.2		
K954042	Soil		47	0.73	232	0.091	1	1.70	0.028	0.20	5.2	0.01	3.2	0.2	<0.05	5	0.7	<0.2		
K954043	Soil		44	1.25	105	0.045	<1	0.84	0.019	0.15	4.7	0.01	2.5	0.2	<0.05	3	<0.5	<0.2		
K954044	Soil		18	0.45	129	0.081	<1	0.88	0.040	0.38	6.2	<0.01	2.7	0.5	<0.05	5	<0.5	<0.2		
K954045	Soil		27	0.44	122	0.054	<1	1.03	0.013	0.12	8.4	<0.01	2.1	0.2	<0.05	4	<0.5	<0.2		
K954046	Soil		32	0.50	231	0.072	<1	1.17	0.019	0.18	8.8	0.02	2.7	0.2	<0.05	4	<0.5	<0.2		
K954047	Soil		41	0.58	148	0.068	<1	1.42	0.019	0.14	5.3	0.03	3.2	0.2	<0.05	5	<0.5	<0.2		
K954048	Soil		40	0.66	171	0.097	<1	1.39	0.046	0.14	5.9	0.02	3.7	<0.1	<0.05	4	1.3	<0.2		
K954049	Soil		40	0.58	149	0.080	<1	1.32	0.026	0.11	6.1	0.02	3.2	0.1	<0.05	5	<0.5	<0.2		
K954050	Soil		13	0.33	75	0.012	<1	1.06	0.015	0.10	6.1	0.01	1.4	0.2	<0.05	4	<0.5	<0.2		
K954351	Soil		72	1.48	85	0.304	3	2.42	0.029	0.05	0.6	0.03	11.3	<0.1	<0.05	11	<0.5	<0.2		
K954352	Soil		43	1.16	64	0.227	2	1.82	0.119	0.07	1.0	0.01	7.9	<0.1	<0.05	7	<0.5	<0.2		
K954353	Soil		43	1.27	125	0.161	3	2.05	0.038	0.05	0.8	<0.01	6.8	<0.1	<0.05	7	<0.5	<0.2		
K954354	Soil		53	1.09	100	0.216	2	2.26	0.028	0.05	1.1	0.02	8.7	<0.1	<0.05	8	<0.5	<0.2		
K954355	Soil		52	0.93	109	0.109	2	1.90	0.034	0.06	2.0	0.03	6.5	<0.1	<0.05	7	<0.5	<0.2		
K954356	Soil		73	2.06	77	0.327	3	2.78	0.047	0.02	0.9	0.06	10.0	<0.1	<0.05	10	<0.5	<0.2		
K954357	Soil		47	0.90	69	0.158	2	1.43	0.038	0.04	1.9	0.02	5.9	<0.1	<0.05	6	<0.5	<0.2		

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Project:

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Report Date:

March 20, 2012

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# CERTIFICATE OF ANALYSIS

WHI12000009.1

Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	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	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm		
	0.1	0.1	0.1	1	0.1	0.1	0.1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1		
K960495	Soil	0.4	6.8	3.7	31	0.1	5.2	3.6	235	1.13	1.2	<0.5	6.1	8	<0.1	0.2	1.0	23	0.13	0.042	12
K960496	Soil	0.3	6.9	4.5	37	<0.1	5.8	4.4	261	1.40	1.6	<0.5	6.2	16	<0.1	0.1	0.6	30	0.20	0.061	14
K960497	Soil	0.4	8.9	4.8	39	0.2	10.9	4.4	243	1.15	7.1	<0.5	8.7	10	0.1	0.4	0.3	23	0.20	0.060	18
K960498	Soil	0.7	9.8	6.6	41	0.1	9.9	5.2	311	1.45	3.1	1.4	4.3	8	0.1	0.3	0.6	27	0.12	0.039	13
K960499	Soil	0.4	9.9	4.4	21	0.2	6.5	3.0	235	0.67	1.6	<0.5	4.8	8	<0.1	0.3	0.4	12	0.09	0.023	8
K960500	Soil	0.1	6.8	4.6	20	0.1	3.5	2.5	150	0.58	0.9	<0.5	3.9	7	0.1	0.2	0.5	12	0.11	0.029	7
K960501	Soil	1.1	15.9	12.2	32	0.3	13.7	6.6	259	1.48	2.7	1.7	2.4	15	<0.1	0.2	1.1	32	0.27	0.047	12
K960502	Soil	1.0	38.1	5.6	35	0.1	23.2	12.0	388	2.22	2.7	0.6	5.9	7	<0.1	0.2	0.5	33	0.11	0.027	12
K960503	Soil	2.0	22.7	6.8	36	0.2	22.5	9.6	267	2.16	2.6	<0.5	3.1	10	<0.1	0.1	1.0	39	0.23	0.062	12
K960504	Soil	1.3	35.2	7.1	51	0.2	25.5	11.6	304	2.70	2.1	<0.5	5.6	11	<0.1	0.1	1.0	50	0.27	0.041	15
K960505	Soil	1.5	57.1	7.8	212	0.3	42.4	15.1	1213	3.53	3.6	<0.5	6.1	14	0.2	0.2	3.7	63	0.28	0.043	18
K960506	Soil	2.9	22.4	8.4	40	0.4	20.9	9.0	255	1.83	3.7	<0.5	2.8	19	<0.1	0.2	2.2	39	0.42	0.042	14
K960507	Soil	1.5	25.7	9.4	64	0.2	34.4	12.0	321	2.60	4.0	<0.5	6.5	25	<0.1	0.2	0.7	54	0.45	0.045	19
K960508	Soil	2.8	57.2	7.4	80	0.1	47.1	17.8	420	3.79	1.5	<0.5	7.7	14	<0.1	0.1	0.6	51	0.37	0.027	22
K960509	Soil	1.7	22.8	8.5	43	0.1	14.2	7.3	330	1.53	4.0	0.6	6.5	13	<0.1	0.4	1.0	24	0.16	0.037	14
K960510	Soil	1.2	22.5	9.8	42	0.4	23.5	10.2	311	1.83	4.2	0.8	5.8	28	<0.1	0.2	1.7	33	0.27	0.036	17
K960511	Soil	2.5	26.5	9.7	42	0.3	13.5	7.9	483	1.64	3.6	<0.5	5.4	16	0.1	0.3	2.6	31	0.34	0.043	14
K960512	Soil	1.5	30.3	7.8	73	0.5	46.4	13.5	437	2.75	3.4	2.2	4.9	21	0.3	0.3	0.5	84	0.28	0.061	14
K960513	Soil	1.1	18.2	5.7	49	0.6	18.0	8.0	310	2.10	1.9	2.8	5.1	15	0.1	0.1	0.3	68	0.27	0.050	14
K960514	Soil	1.1	25.2	8.3	80	0.5	31.6	11.2	490	2.61	2.2	1.5	8.5	19	0.2	0.2	0.3	81	0.31	0.087	20
K960515	Soil	1.2	28.8	7.7	64	0.5	38.0	10.3	343	2.57	2.7	2.2	3.9	21	0.2	0.2	0.4	80	0.24	0.052	17
K960516	Soil	0.8	25.5	6.7	63	0.2	31.5	10.5	336	2.29	1.8	<0.5	5.6	26	0.4	0.1	0.3	78	0.43	0.101	15
K960517	Soil	1.1	21.8	7.6	60	0.2	29.9	9.2	309	2.41	2.8	1.4	6.3	20	0.3	0.2	0.6	76	0.27	0.067	17
K960518	Soil	1.4	21.2	6.5	57	0.2	25.0	9.2	321	2.02	1.8	1.2	4.4	23	0.3	0.1	1.3	70	0.32	0.070	13
K960519	Soil	1.3	20.5	6.2	52	0.6	25.1	8.6	275	2.01	3.3	1.5	3.5	16	0.2	0.2	0.4	63	0.23	0.049	10
K960520	Soil	1.1	19.9	7.9	59	0.6	24.7	8.9	304	2.40	2.1	0.5	5.9	18	0.3	0.2	0.4	81	0.23	0.059	13
K960521	Soil	2.6	30.2	6.2	176	0.4	27.2	9.1	325	2.41	1.4	<0.5	6.1	27	1.8	0.2	0.4	101	0.52	0.060	13
K960522	Soil	1.4	25.7	6.1	64	0.4	32.5	10.4	365	2.39	2.4	2.3	3.3	19	0.2	0.2	0.4	79	0.28	0.048	10
K960523	Soil	1.6	23.1	5.3	54	0.4	27.6	9.4	295	2.30	2.2	0.6	3.2	14	0.3	0.2	0.2	83	0.25	0.038	10
K960524	Soil	2.8	28.4	6.3	84	0.4	32.3	10.4	303	2.55	1.9	3.3	2.7	22	0.7	0.2	0.3	101	0.47	0.110	8



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CERTIFICATE OF ANALYSIS

WHI12000009.1

Method Analyte Unit MDL	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm	
K960495	Soil	12	0.28	39	0.067	<1	0.74	0.023	0.23	6.9	0.01	1.6	0.3	0.16	4	<0.5	<0.2
K960496	Soil	13	0.37	62	0.083	<1	1.20	0.025	0.31	6.8	<0.01	2.4	0.4	0.18	5	<0.5	<0.2
K960497	Soil	13	0.27	61	0.059	<1	0.67	0.026	0.19	7.1	0.02	1.5	0.2	0.16	3	<0.5	<0.2
K960498	Soil	16	0.34	55	0.050	<1	1.01	0.014	0.17	6.4	0.02	1.7	0.3	0.16	4	<0.5	<0.2
K960499	Soil	10	0.17	46	0.026	<1	0.56	0.018	0.11	6.3	<0.01	1.0	0.1	0.17	2	<0.5	<0.2
K960500	Soil	7	0.14	37	0.024	<1	0.50	0.020	0.11	5.9	<0.01	1.1	0.2	0.15	2	<0.5	<0.2
K960501	Soil	26	0.50	48	0.070	<1	1.08	0.042	0.23	6.7	0.02	1.4	0.3	0.20	5	<0.5	<0.2
K960502	Soil	33	0.89	75	0.098	<1	1.60	0.019	0.61	8.9	<0.01	2.8	0.3	0.18	5	<0.5	<0.2
K960503	Soil	35	0.67	58	0.087	<1	1.47	0.018	0.34	7.8	0.03	2.5	0.2	0.17	5	<0.5	<0.2
K960504	Soil	56	1.11	44	0.105	<1	1.77	0.037	0.26	6.6	<0.01	2.3	0.2	0.17	7	<0.5	<0.2
K960505	Soil	72	2.65	100	0.161	<1	3.16	0.023	1.20	4.9	0.02	5.0	2.2	0.14	15	<0.5	<0.2
K960506	Soil	35	0.71	41	0.072	<1	1.55	0.030	0.19	8.6	0.01	2.1	0.4	0.22	6	<0.5	<0.2
K960507	Soil	55	1.35	80	0.143	1	2.41	0.066	0.76	5.5	0.02	3.2	0.9	<0.05	8	<0.5	<0.2
K960508	Soil	40	1.08	130	0.193	1	2.70	0.020	1.08	4.0	<0.01	4.3	0.7	<0.05	8	<0.5	<0.2
K960509	Soil	20	0.45	48	0.071	1	1.22	0.020	0.28	6.5	0.04	1.7	0.3	<0.05	4	<0.5	<0.2
K960510	Soil	32	0.66	58	0.080	<1	1.80	0.032	0.29	7.5	0.02	2.0	0.4	<0.05	6	<0.5	<0.2
K960511	Soil	25	0.56	78	0.085	1	1.35	0.048	0.46	6.9	0.02	2.3	0.6	<0.05	5	<0.5	<0.2
K960512	Soil	59	0.87	205	0.109	2	2.06	0.019	0.24	4.4	0.02	4.9	0.3	<0.05	6	<0.5	<0.2
K960513	Soil	32	0.62	126	0.099	<1	1.21	0.024	0.18	4.4	0.01	3.4	0.2	<0.05	5	<0.5	<0.2
K960514	Soil	44	0.81	155	0.113	<1	1.72	0.019	0.25	3.9	<0.01	4.7	0.3	<0.05	7	0.6	<0.2
K960515	Soil	58	0.75	199	0.097	<1	1.91	0.017	0.13	3.4	0.02	4.1	0.2	<0.05	8	<0.5	<0.2
K960516	Soil	46	0.76	155	0.113	<1	1.73	0.029	0.17	3.6	<0.01	4.1	0.2	<0.05	5	0.6	<0.2
K960517	Soil	54	0.78	129	0.106	1	1.74	0.017	0.13	3.7	0.02	3.7	0.2	<0.05	6	<0.5	<0.2
K960518	Soil	42	0.71	147	0.098	<1	1.54	0.022	0.16	3.8	0.02	3.2	0.2	<0.05	5	<0.5	<0.2
K960519	Soil	42	0.58	129	0.080	<1	1.32	0.019	0.11	7.4	0.01	3.5	0.1	<0.05	4	<0.5	<0.2
K960520	Soil	49	0.70	146	0.123	<1	1.60	0.016	0.22	4.3	0.03	3.7	0.2	<0.05	6	<0.5	<0.2
K960521	Soil	37	0.65	170	0.090	<1	1.72	0.045	0.22	6.4	<0.01	4.6	0.3	0.26	6	1.6	<0.2
K960522	Soil	52	0.74	199	0.107	1	1.57	0.019	0.13	4.4	0.02	4.3	0.2	<0.05	5	<0.5	<0.2
K960523	Soil	43	0.56	157	0.114	<1	1.24	0.021	0.10	3.5	0.01	3.6	0.1	<0.05	4	<0.5	<0.2
K960524	Soil	59	0.68	232	0.105	1	1.84	0.022	0.14	4.6	0.01	4.2	0.2	0.07	6	1.3	<0.2



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Project: LIVINGSTONE  
 Report Date: March 20, 2012

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# CERTIFICATE OF ANALYSIS

WHI12000009.1

Method Analyte Unit MDL	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	
K960525	Soil	1.2	15.7	3.8	40	0.6	21.5	6.8	211	1.43	2.4	<0.5	1.3	12	0.2	0.2	0.2	47	0.20	0.040	7
K960526	Soil	1.3	28.5	6.1	63	0.2	33.9	11.1	377	2.40	2.9	1.6	3.9	18	0.3	0.2	0.3	75	0.26	0.045	12
K960527	Soil	1.6	23.4	5.9	63	0.5	34.7	9.5	308	2.30	2.6	0.5	3.3	15	0.3	0.2	0.4	80	0.24	0.050	10
K960528	Soil	0.4	14.8	5.2	54	0.2	10.4	6.4	372	1.82	1.0	<0.5	21.4	19	0.2	<0.1	<0.1	50	0.48	0.111	48
K960529	Soil	1.5	21.0	6.3	57	0.3	28.2	9.3	304	2.14	2.6	1.1	5.3	17	0.2	0.2	0.3	68	0.25	0.044	12
K960530	Soil	0.5	18.4	7.3	40	0.2	14.7	6.9	307	1.79	1.8	2.3	15.1	19	0.2	0.1	0.4	50	0.32	0.092	29
K960531	Soil	1.2	19.4	7.1	54	0.4	19.9	9.1	339	2.12	2.2	3.5	10.4	15	0.2	0.2	0.2	70	0.29	0.073	26
K960532	Soil	1.3	19.0	9.4	61	0.3	24.9	8.9	386	2.36	3.0	2.2	3.0	17	0.3	0.2	0.3	69	0.31	0.052	11
K960533	Soil	1.4	28.9	7.3	80	0.4	32.0	11.1	408	2.64	2.5	0.9	4.7	25	0.6	0.2	0.3	87	0.33	0.077	14
K960534	Soil	0.4	12.6	6.5	50	0.2	10.7	5.9	322	1.81	0.7	<0.5	17.8	21	<0.1	<0.1	0.1	51	0.29	0.111	35
K960535	Soil	0.6	21.8	8.1	64	0.3	21.6	7.8	443	2.23	2.0	<0.5	11.7	22	0.2	0.1	0.2	64	0.31	0.091	28
K960536	Soil	0.6	41.3	4.9	76	0.2	21.1	16.6	576	3.32	1.5	1.1	4.6	28	0.2	0.1	0.2	92	0.43	0.083	12
K960537	Soil	0.2	10.5	5.5	42	<0.1	4.7	4.8	294	1.57	0.7	<0.5	20.4	15	0.1	<0.1	<0.1	42	0.32	0.113	39
K960538	Soil	0.4	12.9	6.7	52	0.2	16.9	7.4	352	2.04	1.5	<0.5	15.0	18	<0.1	<0.1	0.4	59	0.37	0.112	29
K960539	Soil	1.2	11.0	9.4	47	0.4	12.6	5.0	218	1.15	1.7	<0.5	6.1	9	0.4	<0.1	0.5	31	0.10	0.025	8
K960540	Soil	4.0	57.2	6.5	53	0.5	9.8	2.2	186	5.57	20.6	27.4	2.9	16	0.2	0.4	1.7	48	0.03	0.087	7
K960541	Soil	2.4	23.2	4.0	53	0.3	5.8	2.4	196	2.60	<0.5	<0.5	3.3	29	0.2	<0.1	0.5	47	0.03	0.052	9
K960542	Soil	5.7	20.4	12.8	81	0.5	11.6	4.5	210	2.16	2.8	1.7	6.0	15	0.3	0.2	1.6	62	0.07	0.033	9
K960543	Soil	0.9	15.4	9.8	44	0.2	18.7	7.4	285	1.54	3.2	1.7	12.0	15	0.1	0.2	0.3	47	0.19	0.037	14
K960544	Soil	1.6	33.8	7.4	79	0.1	40.4	11.9	381	2.54	3.6	1.4	4.1	19	0.6	0.2	0.4	80	0.23	0.042	10
K960545	Soil	1.9	23.4	8.2	66	0.2	25.7	8.4	292	2.25	3.3	1.1	4.5	15	0.5	0.2	0.4	76	0.17	0.044	10
K960546	Soil	1.6	26.9	6.5	61	0.3	34.6	10.5	304	2.13	3.5	1.1	3.4	17	0.2	0.3	0.3	73	0.22	0.044	9
K960547	Soil	1.2	32.9	6.1	61	0.3	38.1	10.5	296	2.06	3.2	1.7	4.1	20	0.2	0.2	0.3	71	0.19	0.036	10
K960548	Soil	1.6	29.0	8.1	85	0.2	36.9	10.9	330	2.42	3.7	1.5	4.2	18	0.4	0.2	0.4	70	0.26	0.052	10
K960549	Soil	2.8	24.3	6.9	89	0.3	31.5	10.1	294	2.27	3.9	0.9	2.1	18	0.6	0.3	0.3	94	0.24	0.046	8
K960550	Soil	1.4	22.0	6.5	62	0.2	28.3	9.2	320	2.12	3.0	8.3	3.4	15	0.2	0.2	0.3	70	0.24	0.047	8
K960551	Soil	0.3	7.5	5.1	33	0.2	4.7	4.0	202	1.06	2.6	<0.5	6.6	12	<0.1	0.3	0.4	22	0.12	0.040	13
K960552	Soil	0.4	6.1	5.4	24	0.2	4.8	3.0	151	0.93	2.7	<0.5	3.9	6	<0.1	0.3	0.3	18	0.09	0.038	10
K960553	Soil	0.3	8.9	4.6	26	0.2	3.5	3.0	183	0.87	2.3	0.5	4.8	6	<0.1	0.3	0.2	18	0.09	0.036	11
K960554	Soil	0.3	5.4	3.9	21	0.1	3.0	2.6	175	0.58	2.3	<0.5	4.5	4	<0.1	0.3	0.9	10	0.08	0.031	8

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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# CERTIFICATE OF ANALYSIS

WHI12000009.1

Method	Analyte	Unit	MDL	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	0.05	1	0.5	0.2	
K960525	Soil			32	0.43	95	0.056	<1	1.13	0.014	0.10	14.1	0.01	2.1	0.1	<0.05	3	<0.5	<0.2
K960526	Soil			45	0.66	203	0.104	<1	1.50	0.017	0.12	3.8	<0.01	3.8	0.2	<0.05	5	0.5	<0.2
K960527	Soil			54	0.68	146	0.094	<1	1.54	0.018	0.14	4.6	0.02	3.8	0.2	<0.05	5	<0.5	<0.2
K960528	Soil			21	0.56	169	0.122	<1	1.05	0.039	0.55	3.5	<0.01	4.0	0.5	<0.05	5	<0.5	<0.2
K960529	Soil			39	0.56	165	0.077	<1	1.47	0.018	0.14	4.2	0.01	3.5	0.2	<0.05	5	0.6	<0.2
K960530	Soil			26	0.54	145	0.096	<1	1.19	0.020	0.32	3.9	<0.01	3.7	0.3	<0.05	5	<0.5	<0.2
K960531	Soil			31	0.64	179	0.118	<1	1.44	0.025	0.28	5.1	0.02	4.0	0.3	<0.05	5	<0.5	<0.2
K960532	Soil			35	0.62	206	0.090	<1	1.78	0.030	0.17	3.2	0.02	4.2	0.2	<0.05	6	<0.5	<0.2
K960533	Soil			41	0.70	205	0.124	<1	1.73	0.022	0.13	3.2	0.02	4.5	0.2	<0.05	5	0.6	<0.2
K960534	Soil			19	0.55	134	0.113	<1	1.14	0.032	0.47	3.5	0.01	3.8	0.5	<0.05	5	<0.5	<0.2
K960535	Soil			31	0.66	156	0.108	<1	1.53	0.018	0.31	3.4	<0.01	4.2	0.4	<0.05	6	<0.5	<0.2
K960536	Soil			27	1.60	231	0.102	<1	2.26	0.020	0.28	1.9	0.02	3.8	0.2	<0.05	6	<0.5	<0.2
K960537	Soil			12	0.49	113	0.111	<1	0.91	0.029	0.47	3.4	0.01	3.5	0.4	<0.05	5	<0.5	<0.2
K960538	Soil			26	0.59	145	0.114	<1	1.39	0.020	0.44	3.8	0.01	4.0	0.5	<0.05	6	<0.5	<0.2
K960539	Soil			20	0.32	78	0.048	<1	0.79	0.022	0.13	7.4	<0.01	1.8	0.1	<0.05	3	<0.5	<0.2
K960540	Soil			37	0.44	91	0.045	<1	1.16	0.011	0.20	3.7	<0.01	1.8	0.2	<0.05	4	1.0	<0.2
K960541	Soil			47	0.52	164	0.091	<1	1.03	0.028	0.48	4.8	<0.01	1.6	0.9	0.31	3	1.4	<0.2
K960542	Soil			30	0.38	111	0.071	<1	1.11	0.016	0.14	6.3	<0.01	2.8	0.2	<0.05	5	0.6	<0.2
K960543	Soil			29	0.41	124	0.062	<1	1.07	0.019	0.11	5.2	0.01	2.6	0.1	<0.05	3	0.5	<0.2
K960544	Soil			52	0.75	190	0.098	<1	1.92	0.016	0.18	3.8	0.02	4.6	0.2	<0.05	5	0.7	<0.2
K960545	Soil			42	0.59	133	0.085	<1	1.52	0.015	0.16	4.7	0.03	3.8	0.2	<0.05	5	0.8	<0.2
K960546	Soil			49	0.65	166	0.084	<1	1.47	0.018	0.13	4.7	0.01	3.7	0.1	<0.05	4	0.6	<0.2
K960547	Soil			52	0.63	174	0.082	1	1.49	0.023	0.13	4.4	0.01	3.7	0.2	<0.05	5	<0.5	<0.2
K960548	Soil			44	0.62	167	0.091	1	1.63	0.015	0.15	4.6	0.02	3.8	0.2	0.08	5	1.4	<0.2
K960549	Soil			45	0.64	198	0.081	<1	1.50	0.016	0.15	4.9	0.02	3.5	0.2	0.06	5	1.3	<0.2
K960550	Soil			43	0.63	156	0.096	<1	1.45	0.016	0.16	5.3	0.02	3.9	0.2	<0.05	5	0.7	<0.2
K960551	Soil			11	0.24	63	0.059	<1	0.93	0.018	0.23	7.7	<0.01	1.6	0.3	<0.05	4	<0.5	<0.2
K960552	Soil			12	0.19	33	0.040	<1	0.78	0.021	0.14	6.2	0.01	1.2	0.2	<0.05	3	<0.5	<0.2
K960553	Soil			8	0.18	38	0.043	<1	0.67	0.018	0.20	7.0	0.01	1.0	0.3	<0.05	4	<0.5	<0.2
K960554	Soil			7	0.14	28	0.027	<1	0.58	0.016	0.15	8.4	<0.01	0.9	0.2	<0.05	2	<0.5	<0.2





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Submitted By: Andrew Caldwell  
Receiving Lab: Canada-Whitehorse  
Received: March 05, 2012  
Report Date: March 28, 2012  
Page: 1 of 12

# CERTIFICATE OF ANALYSIS

# WHI12000010.1

## CLIENT JOB INFORMATION

Project: LIVINGSTONE  
Shipment ID: SRV-2012-AC-2140  
P.O. Number  
Number of Samples: 302

## SAMPLE DISPOSAL

RTRN-PLP Return  
RTRN-RJT Return

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

Invoice To: Predator Mining Group  
11th Floor- 888 Dunsmuir Street  
Vancouver BC V6C 3K4  
Canada

CC: Jack Cote  
Linda Lewis

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	302	Dry at 60C			WHI
SS80	302	Dry at 60C sieve 100g to -80 mesh			WHI
1DX2	302	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
RJSV	302	Saving all or part of Soil Reject			WHI

## ADDITIONAL COMMENTS



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



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**Project:** LIVINGSTONE  
**Report Date:** March 28, 2012

**Page:** 2 of 12 **Part** 1

**CERTIFICATE OF ANALYSIS**

**WHI12000010.1**

Method	Analyte	Unit	MDL	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	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm				
				0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
K960575	Soil			0.4	22.9	15.3	54	0.1	29.0	11.6	557	2.66	2.9	2.5	6.2	11	<0.1	0.1	0.3	20	0.18	0.046	27	
K960576	Soil			0.4	25.6	15.7	54	0.2	29.1	12.5	580	2.86	3.1	4.1	7.3	13	0.1	0.2	0.2	18	0.34	0.056	22	
K960577	Soil			0.2	45.0	5.8	98	<0.1	42.7	17.1	187	3.77	<0.5	<0.5	9.7	10	<0.1	<0.1	<0.1	21	0.19	0.063	20	
K960578	Soil			0.3	25.2	16.6	63	<0.1	30.8	13.9	516	2.90	3.0	3.1	9.5	8	0.1	<0.1	0.2	17	0.14	0.060	21	
K960579	Soil			0.3	28.2	16.4	63	<0.1	33.3	13.3	467	2.81	2.8	1.6	8.6	13	<0.1	0.1	0.2	20	0.14	0.054	23	
K960580	Soil			0.4	11.9	8.5	42	0.2	14.3	7.3	302	1.97	2.9	1.7	7.4	18	0.1	0.2	0.5	42	0.24	0.073	25	
K960581	Soil			<0.1	10.4	9.9	21	<0.1	15.6	7.3	477	1.51	<0.5	<0.5	5.7	204	0.1	<0.1	<0.1	4	6.20	0.040	19	
K960582	Soil			0.1	18.4	31.3	64	<0.1	32.9	13.5	477	2.87	1.9	1.0	7.8	22	<0.1	<0.1	0.2	16	0.37	0.043	26	
K960583	Soil			0.6	22.2	16.3	56	0.1	24.7	9.8	368	2.40	2.9	0.8	4.3	10	0.1	0.1	<0.1	22	0.23	0.042	20	
K960584	Soil			0.6	35.1	9.2	59	<0.1	29.2	11.6	749	3.24	0.7	1.1	9.3	12	0.1	<0.1	<0.1	12	0.74	0.061	26	
K960585	Soil			1.4	37.9	17.2	50	0.1	25.4	13.0	576	2.46	1.5	2.0	4.9	17	<0.1	<0.1	<0.1	18	0.09	0.052	13	
K960586	Soil			2.7	56.8	17.8	65	0.2	36.8	17.3	1037	2.91	1.2	19.6	4.9	61	0.2	<0.1	0.1	44	0.32	0.094	16	
K960587	Soil			1.4	24.1	11.2	31	0.2	14.4	9.0	393	1.68	1.7	3.9	1.7	12	<0.1	0.1	<0.1	16	0.05	0.039	9	
K960588	Soil			0.3	17.5	17.7	30	<0.1	11.2	5.8	186	1.24	<0.5	1.6	6.2	3	<0.1	<0.1	<0.1	7	0.04	0.026	12	
K960589	Soil			1.2	36.3	16.8	55	0.2	17.5	9.0	400	2.41	1.4	0.8	6.4	13	0.1	<0.1	0.2	20	0.07	0.052	22	
K960590	Soil			0.5	15.3	3.5	27	<0.1	15.3	14.7	367	1.12	<0.5	110.8	5.6	7	<0.1	<0.1	<0.1	10	0.04	0.022	10	
K960591	Soil			2.1	30.6	10.5	37	0.3	13.9	8.7	1178	1.30	0.6	5.5	1.3	30	0.2	0.2	<0.1	17	0.46	0.099	17	
K960592	Soil			0.5	30.2	13.3	48	0.1	27.4	10.9	697	2.08	1.3	17.0	5.0	30	0.1	<0.1	<0.1	25	0.89	0.047	21	
K960593	Soil			0.5	28.2	15.3	55	0.3	30.1	13.0	653	2.54	1.1	4.0	5.9	17	0.1	<0.1	0.2	39	0.25	0.059	23	
K960594	Soil			0.6	35.1	14.8	66	0.2	34.1	14.2	747	2.75	3.4	2.3	7.5	23	0.2	<0.1	0.1	46	0.36	0.050	23	
K960595	Soil			0.6	44.4	5.1	60	0.1	8.1	4.8	274	3.88	<0.5	0.9	9.7	11	<0.1	<0.1	<0.1	36	0.02	0.035	17	
K960596	Soil			0.8	31.3	11.6	53	0.1	19.2	10.2	600	2.17	<0.5	0.8	4.1	12	0.2	<0.1	<0.1	32	0.20	0.051	10	
K960597	Soil			0.1	30.6	8.3	63	<0.1	30.7	18.1	479	2.81	<0.5	3.7	8.6	4	<0.1	<0.1	<0.1	31	0.06	0.038	22	
K960598	Soil			0.4	17.2	5.9	49	0.1	11.4	7.1	446	1.98	1.1	0.8	4.1	11	<0.1	<0.1	<0.1	22	0.06	0.036	14	
K960599	Soil			0.3	12.2	6.1	72	<0.1	22.2	12.5	537	2.95	0.6	5.5	5.0	9	<0.1	<0.1	<0.1	35	0.15	0.056	14	
K960600	Soil			0.5	46.4	9.6	44	<0.1	17.6	8.9	509	1.92	1.1	1.3	5.7	10	0.1	<0.1	<0.1	39	0.10	0.042	12	
K960601	Soil			1.5	22.7	7.4	62	0.2	30.9	10.1	322	2.04	2.9	1.5	7.2	15	0.3	0.3	0.2	69	0.19	0.040	10	
K960602	Soil			0.3	2.6	16.1	28	<0.1	2.7	3.5	240	0.93	1.8	<0.5	17.8	6	0.1	0.1	1.8	9	0.11	0.061	16	
K960603	Soil			1.4	36.6	6.2	111	0.3	32.6	16.1	564	3.70	2.0	1.3	2.6	51	0.3	0.2	0.2	129	1.04	0.045	4	
K960604	Soil			1.4	18.8	5.8	36	0.3	15.1	5.9	232	1.23	1.7	1.2	2.2	10	0.2	0.2	0.4	40	0.14	0.037	5	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: LIVINGSTONE  
Report Date: March 28, 2012

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# CERTIFICATE OF ANALYSIS

WHI12000010.1

Method	Analyte	Unit	MDL	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	0.01	0.05	1	0.5	0.2	
K960575	Soil			19	0.82	79	0.022	<1	1.28	0.006	0.10	4.4	<0.01	2.0	0.1	<0.05	4	<0.5	<0.2
K960576	Soil			19	0.74	84	0.031	<1	1.21	0.006	0.10	5.7	0.01	2.1	0.1	<0.05	3	<0.5	<0.2
K960577	Soil			25	1.53	46	0.023	<1	1.97	0.005	0.23	0.9	<0.01	1.5	0.2	<0.05	6	<0.5	<0.2
K960578	Soil			19	0.86	47	0.017	1	1.25	0.005	0.12	4.5	<0.01	1.6	0.2	<0.05	4	<0.5	<0.2
K960579	Soil			20	0.85	83	0.021	<1	1.51	0.005	0.13	4.2	<0.01	1.9	0.2	<0.05	4	<0.5	<0.2
K960580	Soil			21	0.58	113	0.084	<1	1.21	0.016	0.30	4.6	0.01	2.6	0.3	<0.05	5	<0.5	<0.2
K960581	Soil			4	0.83	26	0.006	1	0.29	0.007	0.12	2.9	<0.01	1.1	<0.1	0.07	<1	<0.5	<0.2
K960582	Soil			20	1.00	52	0.030	<1	1.31	0.004	0.16	3.4	<0.01	1.8	0.2	<0.05	4	<0.5	<0.2
K960583	Soil			21	0.82	54	0.017	1	1.27	0.005	0.10	4.4	0.01	1.7	0.1	<0.05	4	<0.5	<0.2
K960584	Soil			12	0.49	58	0.017	1	0.82	0.005	0.19	1.6	<0.01	1.9	0.2	<0.05	3	<0.5	<0.2
K960585	Soil			18	0.58	57	0.023	<1	1.01	0.004	0.13	7.4	<0.01	1.3	0.1	<0.05	3	<0.5	<0.2
K960586	Soil			20	1.01	160	0.045	<1	1.55	0.011	0.43	5.3	<0.01	3.1	0.2	0.16	5	0.8	<0.2
K960587	Soil			11	0.28	41	0.017	<1	0.55	0.003	0.10	10.2	0.01	0.8	<0.1	<0.05	2	<0.5	<0.2
K960588	Soil			11	0.37	41	0.015	<1	0.65	0.003	0.16	8.2	<0.01	0.7	<0.1	<0.05	2	<0.5	<0.2
K960589	Soil			22	0.56	59	0.029	1	1.02	0.006	0.16	4.9	0.01	1.5	0.2	<0.05	3	<0.5	<0.2
K960590	Soil			10	0.26	64	0.029	<1	0.54	0.003	0.27	9.9	<0.01	0.7	0.1	0.09	2	<0.5	<0.2
K960591	Soil			17	0.40	98	0.020	<1	0.88	0.006	0.09	16.5	0.04	1.2	0.1	0.14	3	1.3	<0.2
K960592	Soil			26	0.98	105	0.051	<1	1.39	0.004	0.27	5.7	<0.01	2.3	0.2	<0.05	4	<0.5	<0.2
K960593	Soil			36	1.24	128	0.068	<1	1.59	0.007	0.34	7.5	<0.01	4.0	0.2	<0.05	5	<0.5	<0.2
K960594	Soil			41	1.44	175	0.103	1	1.94	0.017	0.52	4.9	<0.01	4.1	0.3	<0.05	7	<0.5	<0.2
K960595	Soil			26	0.94	190	0.106	<1	1.79	0.012	0.75	2.0	<0.01	3.1	0.3	0.33	6	2.8	<0.2
K960596	Soil			23	0.77	91	0.049	<1	1.19	0.009	0.31	7.1	0.01	2.4	0.1	0.07	4	<0.5	<0.2
K960597	Soil			27	0.96	98	0.104	<1	1.81	0.005	0.80	3.9	<0.01	2.9	0.3	<0.05	6	<0.5	<0.2
K960598	Soil			23	0.62	85	0.055	<1	1.15	0.009	0.36	8.0	<0.01	2.0	0.1	0.05	4	<0.5	<0.2
K960599	Soil			28	0.98	88	0.087	<1	1.91	0.007	0.65	3.6	<0.01	2.4	0.4	0.06	6	<0.5	<0.2
K960600	Soil			25	0.96	151	0.070	<1	1.44	0.008	0.45	7.3	<0.01	2.9	0.2	<0.05	4	<0.5	<0.2
K960601	Soil			45	0.61	162	0.079	<1	1.46	0.016	0.12	6.6	0.01	4.0	0.1	0.07	4	0.6	<0.2
K960602	Soil			6	0.10	44	0.003	<1	0.58	0.015	0.09	5.5	0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
K960603	Soil			50	1.30	481	0.172	<1	3.32	0.124	0.78	3.7	0.01	7.1	0.4	0.14	8	0.6	<0.2
K960604	Soil			24	0.31	130	0.046	<1	0.84	0.015	0.10	5.8	0.02	2.2	0.1	0.06	3	<0.5	<0.2



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Project: LIVINGSTONE  
 Report Date: March 28, 2012

Page: 7 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI12000010.1

Method	1DX15	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	
K960750	Soil	<0.1	30.3	2.9	42	0.2	527.0	43.7	828	4.06	1.4	<0.5	0.5	15	<0.1	0.1	<0.1	87	0.62	0.074	2
K960801	Soil	1.6	26.2	6.5	69	0.3	28.9	9.7	328	2.34	3.2	1.5	5.5	15	0.2	0.2	0.3	69	0.24	0.051	11
K960802	Soil	1.5	21.8	5.4	68	0.2	30.7	9.1	384	2.08	3.0	1.5	4.0	14	0.3	0.2	0.3	60	0.22	0.051	9
K960803	Soil	0.3	4.2	4.6	40	0.1	4.7	3.6	239	1.31	0.7	<0.5	11.3	10	<0.1	<0.1	0.1	31	0.23	0.087	20
K960804	Soil	1.3	22.3	8.8	61	0.2	28.6	9.3	315	2.12	2.3	1.9	6.7	12	0.2	0.2	0.4	63	0.22	0.054	10
K960805	Soil	<0.1	3.7	6.7	22	0.1	35.2	4.4	144	0.80	0.7	<0.5	11.5	7	<0.1	<0.1	<0.1	18	0.13	0.050	19
K960806	Soil	6.1	38.9	7.4	393	0.4	43.7	10.3	449	2.22	5.4	3.0	2.3	14	4.5	0.3	0.3	87	0.23	0.058	6
K960807	Soil	0.2	7.6	12.9	44	0.2	3.0	3.7	263	1.14	1.4	0.8	19.6	12	0.1	<0.1	0.2	28	0.22	0.082	29
K960808	Soil	<0.1	4.5	5.4	34	0.1	2.1	3.3	276	1.15	<0.5	<0.5	24.8	28	<0.1	<0.1	<0.1	28	0.33	0.074	35
K960809	Soil	0.3	20.5	3.1	38	0.2	15.0	11.1	452	2.08	4.5	1.6	2.3	29	<0.1	0.5	<0.1	51	0.47	0.098	6
K960810	Soil	0.1	3.9	2.6	39	<0.1	9.4	8.1	469	1.84	1.1	<0.5	2.9	26	<0.1	<0.1	<0.1	54	0.45	0.109	5
K960811	Soil	0.1	3.2	3.2	52	<0.1	11.6	10.1	662	2.38	0.7	1.0	1.9	29	<0.1	0.1	<0.1	55	0.37	0.093	4
K960812	Soil	0.1	7.5	4.1	47	0.1	14.7	10.7	578	2.31	1.9	2.3	2.4	63	0.1	0.2	<0.1	56	0.91	0.088	6
K960813	Soil	<0.1	3.3	3.3	32	0.1	7.5	6.4	309	1.73	0.6	0.8	2.8	42	<0.1	<0.1	<0.1	51	0.50	0.075	5
K960814	Soil	0.2	2.7	5.9	37	<0.1	9.9	8.2	525	2.25	1.5	0.9	2.8	29	<0.1	0.2	<0.1	64	0.34	0.083	5
K960815	Soil	0.2	10.4	3.9	46	0.2	15.5	11.0	441	2.60	4.8	1.5	2.0	23	<0.1	0.4	<0.1	65	0.37	0.075	5
K960816	Soil	0.2	14.7	3.9	43	<0.1	15.0	11.2	520	2.54	7.9	6.2	2.5	20	<0.1	0.6	<0.1	62	0.34	0.079	6
K960817	Soil	0.5	35.1	6.6	45	0.3	19.8	13.0	334	3.02	3.1	2.4	4.3	33	<0.1	0.3	<0.1	111	0.63	0.123	15
K960818	Soil	0.4	28.2	4.8	41	0.4	28.3	12.6	387	2.59	4.5	2.9	3.4	32	0.1	0.5	<0.1	85	1.16	0.066	11
K960819	Soil	0.5	30.3	8.1	53	0.4	24.4	14.4	572	2.99	5.1	1.4	5.4	24	<0.1	0.4	<0.1	93	0.62	0.068	12
K960820	Soil	0.5	34.9	4.9	39	0.4	30.7	13.2	295	2.66	5.7	1.2	3.8	40	<0.1	0.5	<0.1	92	1.09	0.082	10
K960821	Soil	0.5	34.7	4.4	40	0.5	26.6	13.3	345	2.65	7.2	1.6	3.6	29	<0.1	0.6	<0.1	86	0.60	0.059	10
K960822	Soil	1.5	22.1	10.6	51	0.3	20.3	12.3	661	2.76	3.6	0.6	4.8	27	0.2	0.4	<0.1	80	0.59	0.089	17
K960823	Soil	1.3	28.3	11.5	57	0.8	24.8	14.5	608	3.39	4.2	0.7	7.6	28	0.2	0.4	<0.1	94	0.84	0.093	19
K960824	Soil	0.5	60.3	5.4	59	0.5	45.2	20.0	581	3.21	8.1	3.3	2.0	47	0.1	0.4	<0.1	110	1.35	0.056	9
K960825	Soil	0.8	35.0	4.7	50	0.3	30.1	15.7	536	2.70	24.2	0.7	2.2	31	0.1	3.2	0.3	85	1.01	0.082	12
K960826	Soil	0.7	43.2	6.1	53	0.5	34.3	16.6	433	2.86	5.5	1.7	5.7	43	0.2	0.5	<0.1	84	0.86	0.069	11
K960827	Soil	1.1	32.5	4.2	64	0.4	23.5	11.2	504	2.17	2.7	0.9	2.3	35	0.4	0.3	<0.1	86	0.66	0.104	15
K960828	Soil	0.7	33.7	6.9	58	0.4	29.9	14.2	578	2.85	5.5	2.2	4.5	29	0.2	0.7	<0.1	89	0.78	0.085	14
K960829	Soil	0.8	36.1	6.5	46	0.4	24.8	13.2	407	2.97	7.6	1.9	6.7	41	0.1	0.6	<0.1	94	0.61	0.092	17

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: LIVINGSTONE

Report Date: March 28, 2012

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# CERTIFICATE OF ANALYSIS

WHI12000010.1

Method	Analyte	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
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	0.05	1	0.5	0.2	
K960750	Soil	506	5.79	134	0.048	2	2.12	0.003	0.05	0.2	0.01	11.9	<0.1	<0.05	7	<0.5	<0.2
K960801	Soil	43	0.69	179	0.080	1	1.62	0.025	0.19	4.4	0.01	4.4	0.3	0.05	5	<0.5	<0.2
K960802	Soil	40	0.70	216	0.081	<1	1.51	0.017	0.20	4.4	<0.01	4.0	0.2	<0.05	4	<0.5	<0.2
K960803	Soil	13	0.35	121	0.067	1	0.68	0.031	0.41	5.1	0.01	2.7	0.5	<0.05	4	<0.5	<0.2
K960804	Soil	39	0.69	140	0.077	<1	1.46	0.025	0.20	4.1	<0.01	3.9	0.3	<0.05	5	<0.5	<0.2
K960805	Soil	42	0.34	91	0.038	<1	0.55	0.022	0.23	5.2	<0.01	1.7	0.3	<0.05	3	<0.5	<0.2
K960806	Soil	44	0.64	181	0.065	1	1.34	0.016	0.12	5.0	0.02	3.6	0.2	0.20	5	2.9	<0.2
K960807	Soil	10	0.35	115	0.080	<1	0.75	0.033	0.42	5.1	<0.01	2.7	0.5	<0.05	4	<0.5	<0.2
K960808	Soil	8	0.34	132	0.079	<1	0.67	0.044	0.44	6.2	<0.01	3.1	0.5	<0.05	4	<0.5	<0.2
K960809	Soil	34	0.83	81	0.053	<1	1.14	0.028	0.06	5.8	<0.01	3.6	<0.1	<0.05	4	<0.5	<0.2
K960810	Soil	25	0.92	38	0.084	1	1.01	0.037	0.05	2.4	<0.01	4.2	<0.1	<0.05	5	<0.5	<0.2
K960811	Soil	31	1.23	93	0.049	1	1.05	0.039	0.05	2.6	0.02	7.4	<0.1	<0.05	5	<0.5	<0.2
K960812	Soil	30	1.06	299	0.044	<1	1.15	0.026	0.07	2.4	<0.01	5.4	<0.1	<0.05	5	<0.5	<0.2
K960813	Soil	26	0.51	53	0.067	2	0.75	0.063	0.08	3.9	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
K960814	Soil	31	0.75	55	0.066	<1	0.91	0.033	0.05	2.8	0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
K960815	Soil	39	0.92	75	0.055	<1	1.43	0.020	0.05	3.1	0.02	4.5	<0.1	<0.05	6	<0.5	<0.2
K960816	Soil	34	0.85	86	0.043	1	1.51	0.023	0.06	3.2	0.01	4.2	<0.1	<0.05	5	<0.5	<0.2
K960817	Soil	39	1.00	97	0.069	2	1.51	0.072	0.09	2.1	0.01	4.5	<0.1	<0.05	6	<0.5	<0.2
K960818	Soil	62	0.96	103	0.094	5	2.12	0.065	0.09	1.6	0.03	7.0	0.1	<0.05	6	<0.5	<0.2
K960819	Soil	46	0.97	105	0.061	1	1.88	0.063	0.05	1.8	0.02	6.0	<0.1	<0.05	7	<0.5	<0.2
K960820	Soil	53	0.69	119	0.063	8	1.86	0.083	0.10	1.9	0.03	3.7	<0.1	<0.05	6	<0.5	<0.2
K960821	Soil	49	0.78	104	0.072	4	1.80	0.052	0.06	2.2	0.01	5.2	<0.1	<0.05	5	<0.5	<0.2
K960822	Soil	40	0.88	171	0.053	2	1.45	0.049	0.07	1.6	0.03	4.8	<0.1	<0.05	7	<0.5	<0.2
K960823	Soil	49	1.03	101	0.062	2	1.59	0.066	0.07	1.2	0.01	7.4	<0.1	<0.05	7	<0.5	<0.2
K960824	Soil	117	1.46	83	0.139	3	3.03	0.080	0.07	1.2	0.04	8.2	<0.1	<0.05	7	<0.5	<0.2
K960825	Soil	59	0.86	116	0.052	43	1.88	0.042	0.09	2.0	0.03	5.6	<0.1	<0.05	5	<0.5	<0.2
K960826	Soil	51	0.94	126	0.074	2	2.20	0.106	0.10	2.1	0.03	6.2	<0.1	0.13	7	0.6	<0.2
K960827	Soil	35	0.70	102	0.036	2	1.27	0.077	0.21	2.1	0.03	3.4	0.1	<0.05	4	<0.5	<0.2
K960828	Soil	49	0.91	106	0.065	2	1.54	0.029	0.09	1.9	0.03	6.2	<0.1	<0.05	5	<0.5	<0.2
K960829	Soil	46	0.89	87	0.052	2	1.68	0.053	0.05	2.1	0.02	6.6	<0.1	<0.05	6	<0.5	<0.2



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To: **GOLDEN PREDATOR CANADA CORP.**  
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**11TH FLOOR**  
**VANCOUVER BC V6C 3K4**

Page: 1  
 Finalized Date: JUL-2011  
 Account: GOPRED

**CERTIFICATE WH11105622**

Project: Stream seds  
 P.O. No.: GPD2011LIV002  
 This report is for 116 Stream Sediment samples submitted to our lab in Whitehorse, YT, Canada on 11-JUN-2011.

The following have access to data associated with this certificate:

MIKE BURKE  
 LINDA LEWIS

ANDREW CALDWELL  
 MIKE MASLOWSKI

JACK COTE

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
TRA-21	Transfer sample
DRY-22	Drying - Maximum Temp 60C
LOG-21d	Sample logging - ClientBarCode Dup
SPL-34	Pulp Splitting Charge
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
SCR-41	Screen to -180um and save both

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
Au-OG44	Ore Grade Au - 50g AR	ICP-MS
Au-ST44	Super Trace Au - 50g AR	ICP-MS
ME-MS41	51 anal. aqua regia ICPMS	

To: **GOLDEN PREDATOR CANADA CORP.**  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

**Signature:**

Colin Ramshaw, Vancouver Laboratory Manager



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 Finalized Date: 26-JUL-2011  
 Account: GOPRED

Project: Stream seds

**CERTIFICATE OF ANALYSIS WH11105622**

Sample Description	Method Analyte Units LOR	WEI-21	Au-ST44	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
K735143		6.24	0.0050	0.05	0.66	18.0	<0.2	<10	190	0.15	0.05	0.57	0.32	18.55	6.8	26
K735144		6.76	0.0005	0.05	1.20	2.5	<0.2	<10	130	0.30	0.13	0.50	0.28	19.65	14.9	114
K735145		0.18	0.0009	0.14	1.00	3.1	<0.2	<10	70	0.18	0.04	0.59	0.13	9.34	6.2	30
K735146		7.02	0.0005	0.09	0.88	1.7	<0.2	<10	110	0.20	0.10	0.48	0.37	20.6	10.5	55
K735147		4.08	0.0018	0.13	1.00	26.7	<0.2	<10	180	0.36	0.07	1.12	0.62	13.50	14.9	30
K735148		6.64	0.0032	0.12	0.91	14.3	<0.2	<10	240	0.30	0.06	4.64	0.75	12.80	11.4	32
K735149		7.98	0.0017	0.06	1.07	15.1	<0.2	<10	110	0.23	0.06	0.72	0.22	14.70	11.1	29
K735150		4.80	0.0026	0.16	0.76	29.3	<0.2	<10	200	0.31	0.07	2.65	0.81	9.85	15.4	31
K735166		4.52	0.0037	0.06	0.82	11.6	<0.2	<10	130	0.30	0.09	1.35	0.12	21.1	11.1	27
K735167		7.26	>0.1000	0.09	0.58	18.8	<0.2	<10	90	0.14	0.23	1.19	0.13	24.2	54.1	44
K735168		9.90	0.0109	0.05	0.72	18.2	<0.2	<10	70	0.17	0.14	0.87	0.09	35.3	12.8	32
K735169		<0.02	0.0090	0.07	0.71	18.9	<0.2	<10	70	0.17	0.18	0.88	0.10	35.5	13.0	31
K735170		4.50	0.0007	0.13	0.83	2.5	<0.2	<10	50	0.41	0.92	0.40	0.39	35.4	5.5	17
K735171		6.80	0.0006	0.06	0.77	7.3	<0.2	<10	90	0.32	0.33	0.56	0.36	31.6	9.0	28
K735172		6.94	0.0090	0.06	0.78	5.3	<0.2	<10	80	0.31	2.94	0.49	0.38	31.9	8.1	26
K735173		6.58	0.0008	0.06	0.78	2.2	<0.2	<10	140	0.18	0.11	0.41	0.80	17.35	8.0	34
K735174		8.14	0.0010	0.04	0.69	3.1	<0.2	<10	170	0.17	0.08	0.47	0.21	15.95	8.5	28
K735175		8.96	>0.1000	0.03	0.65	2.9	<0.2	<10	110	0.15	0.08	0.42	0.18	18.80	8.7	36
K735201		5.60	0.0026	0.09	1.74	10.1	<0.2	<10	200	0.47	0.07	0.74	0.42	27.0	14.7	41
K735202		5.34	0.0010	0.06	1.34	8.6	<0.2	<10	230	0.42	0.06	0.70	0.21	33.9	12.5	29
K735203		4.96	0.0010	0.05	1.67	22.0	<0.2	<10	250	0.47	0.06	0.77	0.24	26.5	14.2	32
K735204		6.16	0.0014	0.07	1.25	8.6	<0.2	<10	190	0.40	0.08	0.77	0.26	24.0	12.7	38
K735206		5.96	0.0217	0.07	1.59	8.0	<0.2	<10	170	0.34	0.07	0.96	0.35	20.3	17.3	49
K735207		5.36	0.0020	0.05	1.27	8.0	<0.2	<10	170	0.33	0.07	0.73	0.31	21.1	13.4	37
K735208		5.94	0.0011	0.04	1.66	6.4	<0.2	<10	140	0.30	0.04	0.96	0.22	20.6	18.2	52
K735209		6.38	0.0015	0.03	2.14	3.3	<0.2	<10	80	0.31	0.04	0.88	0.14	16.30	22.0	31
K735210		4.48	0.0009	0.06	1.27	7.2	<0.2	<10	130	0.26	0.06	1.02	0.34	15.60	15.0	40
K735211		4.96	0.0005	0.06	1.48	6.0	<0.2	<10	240	0.35	0.07	0.81	0.16	24.8	14.2	35
K735212		5.48	0.0005	0.07	1.21	3.5	<0.2	<10	100	0.41	0.28	0.67	0.35	46.7	12.2	48
K735213		4.46	<0.0001	0.07	1.16	2.6	<0.2	<10	80	0.70	0.26	0.42	2.43	33.8	21.2	32
K735214		5.96	0.0018	0.07	1.13	6.3	<0.2	<10	140	0.48	0.25	0.35	0.41	37.1	8.6	41
K735215		0.16	NSS	10.20	1.12	4130	2.4	<10	110	0.32	4.42	2.39	7.79	22.5	19.8	85
K735216		4.46	0.0014	0.06	0.75	3.1	<0.2	<10	110	0.24	0.19	0.41	0.23	29.1	6.9	29
K735217		7.32	0.0029	0.04	0.62	1.6	<0.2	<10	80	0.22	0.13	0.65	0.28	46.3	5.2	24
K735218		6.86	0.0004	0.03	0.66	2.1	<0.2	<10	100	0.22	0.10	0.55	0.26	51.9	5.6	19
K735251		4.68	>0.1000	0.06	0.90	20.0	<0.2	<10	70	0.27	0.16	0.50	0.10	42.2	14.7	40
K735252		5.44	0.0075	0.03	0.49	24.6	<0.2	<10	70	0.19	0.06	0.30	0.11	16.15	9.0	12
K735253		4.96	0.0045	0.08	0.79	47.6	<0.2	<10	230	0.32	0.16	0.43	0.24	35.2	10.2	19
K735254		3.56	0.0298	0.06	0.77	20.1	<0.2	<10	110	0.25	0.07	0.32	0.16	23.1	9.2	16
K735255		4.72	0.0030	0.06	1.34	7.9	<0.2	<10	180	0.59	0.07	0.80	0.19	29.8	13.1	32



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Project: Stream seds

**CERTIFICATE OF ANALYSIS WH11105622**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
K735143		0.54	7.3	1.81	2.24	0.10	<0.02	0.01	0.007	0.04	9.6	6.5	0.42	1290	0.56	0.01
K735144		2.21	20.1	2.46	4.35	0.11	<0.02	<0.01	0.013	0.13	10.8	16.7	1.13	452	0.59	0.02
K735145		0.28	19.0	1.89	3.49	0.12	0.23	0.02	0.013	0.07	4.1	6.7	0.46	293	3.74	0.05
K735146		1.16	14.9	1.62	2.75	0.10	<0.02	0.01	0.010	0.08	10.7	9.7	0.64	220	0.56	0.01
K735147		0.61	35.5	3.54	3.12	0.08	0.04	0.47	0.025	0.07	6.9	7.6	0.63	1460	2.96	0.02
K735148		0.59	32.9	3.07	2.83	0.10	0.05	0.18	0.019	0.07	7.4	6.4	0.67	516	2.75	0.02
K735149		0.54	22.0	2.69	3.48	0.09	0.03	0.29	0.018	0.04	7.7	9.5	0.65	342	0.99	0.02
K735150		0.48	48.6	3.66	2.30	0.09	0.04	7.03	0.024	0.07	4.6	5.1	0.46	799	6.70	0.02
K735166		0.60	31.5	2.23	2.60	0.10	0.04	0.03	0.011	0.12	10.6	6.1	0.58	1560	0.71	0.01
K735167		0.45	37.6	4.16	2.29	0.11	0.09	0.03	0.012	0.07	12.5	4.3	0.56	354	0.79	<0.01
K735168		0.63	20.9	2.35	3.07	0.09	0.11	0.03	0.014	0.06	17.1	6.3	0.64	705	0.57	<0.01
K735169		0.63	21.8	2.36	3.06	0.10	0.10	0.03	0.014	0.06	17.7	6.5	0.64	680	0.62	<0.01
K735170		3.91	7.2	1.46	3.69	0.08	0.02	0.01	0.017	0.09	19.2	38.2	0.33	210	0.79	<0.01
K735171		2.76	14.3	2.53	3.49	0.09	0.05	0.02	0.012	0.11	16.1	23.3	0.51	347	0.88	<0.01
K735172		2.64	13.3	2.13	3.39	0.09	0.04	0.02	0.015	0.11	16.5	24.2	0.48	302	0.77	<0.01
K735173		1.02	15.6	2.05	2.85	0.07	0.03	0.01	0.013	0.10	8.7	8.2	0.46	301	0.92	<0.01
K735174		0.59	15.0	1.89	2.50	0.07	0.05	0.07	0.011	0.07	7.5	6.3	0.43	539	0.43	<0.01
K735175		0.58	43.1	2.38	2.71	0.07	0.05	0.01	0.011	0.05	8.9	6.2	0.45	279	0.86	<0.01
K735201		0.96	61.8	3.70	5.52	0.09	0.03	0.05	0.025	0.07	13.7	17.3	0.95	589	1.21	0.01
K735202		0.60	51.8	3.43	4.41	0.08	0.04	0.04	0.020	0.06	17.8	14.3	0.64	425	0.82	0.01
K735203		0.72	57.1	3.70	5.60	0.09	0.03	0.04	0.024	0.06	13.6	16.7	0.87	457	0.94	0.01
K735204		1.17	53.7	3.39	4.24	0.08	0.04	0.05	0.023	0.08	12.7	15.3	0.76	435	1.33	<0.01
K735206		0.81	47.6	4.08	5.54	0.11	0.08	0.15	0.024	0.06	9.2	16.8	1.17	602	1.08	0.01
K735207		0.74	40.1	3.16	4.34	0.09	0.04	0.03	0.022	0.07	9.6	14.6	0.83	446	1.05	<0.01
K735208		0.60	35.8	3.83	5.88	0.12	0.12	0.04	0.018	0.05	9.4	19.1	1.43	786	0.63	<0.01
K735209		0.77	73.8	4.52	7.90	0.12	0.10	0.02	0.017	0.07	7.4	24.5	2.23	688	0.38	<0.01
K735210		1.17	33.1	3.27	4.63	0.10	0.08	0.05	0.022	0.05	7.4	13.9	0.98	487	1.03	0.01
K735211		0.73	12.8	3.33	5.18	0.10	0.26	0.04	0.020	0.08	13.8	12.3	0.76	595	0.68	0.01
K735212		2.66	22.6	2.87	5.16	0.11	0.04	0.04	0.021	0.18	23.3	21.6	0.73	406	1.58	0.01
K735213		2.65	18.2	2.19	4.55	0.09	0.02	0.02	0.019	0.12	17.0	20.3	0.51	772	13.10	<0.01
K735214		2.85	14.4	2.49	4.40	0.09	0.02	0.01	0.016	0.11	21.2	22.4	0.52	445	1.34	<0.01
K735215		1.13	327	6.06	4.49	0.11	0.33	1.47	0.571	0.20	10.6	9.1	1.25	887	12.00	0.04
K735216		1.17	13.1	1.96	3.04	0.07	0.02	0.01	0.012	0.11	15.2	11.7	0.38	282	0.62	<0.01
K735217		1.17	8.3	1.31	2.58	0.08	0.02	<0.01	0.010	0.05	25.0	11.2	0.29	277	0.75	<0.01
K735218		1.33	7.6	1.47	2.85	0.09	0.02	0.01	0.011	0.09	28.1	15.9	0.35	277	0.58	<0.01
K735251		0.97	22.0	3.27	3.80	0.12	0.04	0.03	0.016	0.07	20.7	11.0	0.65	427	0.54	<0.01
K735252		1.12	14.1	1.41	1.72	0.05	<0.02	0.01	0.007	0.05	8.2	6.9	0.30	356	0.32	0.02
K735253		1.16	19.8	2.19	2.68	0.07	0.03	0.10	0.014	0.05	17.5	13.3	0.34	434	0.87	<0.01
K735254		1.07	13.9	1.82	2.49	0.06	<0.02	0.02	0.007	0.08	11.0	11.8	0.47	850	1.00	<0.01
K735255		0.84	66.5	3.46	5.02	0.09	0.03	0.04	0.023	0.09	15.3	15.6	0.74	522	0.98	0.01





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**CERTIFICATE OF ANALYSIS WH11105622**

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
Units		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LOR		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
K735143		0.60	28.0	1420	3.0	7.9	<0.001	0.03	0.24	1.8	0.8	0.2	27.3	<0.01	0.01	2.3
K735144		1.14	125.5	1370	4.1	19.6	<0.001	0.02	0.19	3.3	0.9	0.6	17.7	<0.01	0.01	2.3
K735145		0.25	19.9	480	2.1	2.7	<0.001	0.05	0.27	3.4	0.4	0.3	26.6	<0.01	0.04	0.9
K735146		1.02	80.5	1220	3.7	12.4	<0.001	0.01	0.18	2.3	0.8	0.4	15.4	<0.01	0.01	2.4
K735147		0.48	35.4	800	5.3	4.7	0.004	0.07	1.72	5.5	2.1	0.3	54.6	<0.01	0.04	1.0
K735148		0.46	27.9	640	4.7	3.2	0.002	0.09	1.39	5.5	1.4	0.2	97.2	<0.01	0.05	1.4
K735149		0.62	20.0	730	3.6	4.6	<0.001	0.02	1.19	4.3	0.6	0.3	42.5	<0.01	0.03	1.4
K735150		0.30	50.7	600	5.6	3.7	0.004	0.09	1.79	5.5	2.4	0.3	48.0	<0.01	0.06	1.1
K735166		0.65	27.4	880	4.9	7.6	<0.001	0.03	0.51	3.0	0.7	0.2	47.0	<0.01	0.05	3.2
K735167		0.32	34.4	1180	10.4	4.6	<0.001	0.05	1.22	2.7	0.6	<0.2	34.1	<0.01	0.08	5.1
K735168		0.62	36.0	1060	5.0	5.3	<0.001	<0.01	0.58	3.1	0.3	0.2	33.3	<0.01	0.08	5.6
K735169		0.63	36.0	1010	5.0	5.2	<0.001	<0.01	0.58	3.1	0.3	0.2	32.3	<0.01	0.07	5.6
K735170		2.75	13.6	1070	5.7	18.3	<0.001	<0.01	0.18	2.2	0.5	1.1	16.5	<0.01	0.01	8.0
K735171		1.38	24.2	1360	5.2	13.4	<0.001	0.06	0.45	2.3	0.6	0.5	18.5	<0.01	0.02	7.8
K735172		1.76	23.5	1260	5.0	14.6	<0.001	0.02	0.37	2.4	0.5	0.6	18.1	0.01	0.02	7.7
K735173		1.08	27.2	650	3.2	10.0	0.001	0.01	0.19	3.2	0.7	0.3	17.8	<0.01	0.02	3.0
K735174		1.10	23.9	500	3.1	5.8	0.001	<0.01	0.23	2.6	0.4	0.2	19.1	<0.01	0.01	2.4
K735175		0.96	25.0	590	3.4	4.9	0.002	0.01	0.34	2.4	0.3	0.3	16.8	<0.01	0.01	3.2
K735201		1.02	28.7	1010	5.4	8.9	0.001	0.01	1.07	6.2	0.8	0.4	39.5	<0.01	0.02	1.1
K735202		0.91	19.6	1150	5.4	9.9	0.003	0.01	0.50	4.5	0.5	0.4	34.9	<0.01	0.02	2.3
K735203		0.87	20.6	980	5.4	8.0	0.001	0.01	1.28	5.8	0.5	0.4	40.8	<0.01	0.02	1.0
K735204		0.95	25.3	850	5.4	9.2	0.001	0.01	0.96	6.1	0.8	0.4	43.7	<0.01	0.02	2.3
K735206		0.84	31.2	850	5.0	5.5	0.001	0.01	0.84	7.1	0.7	0.4	38.6	<0.01	0.03	2.4
K735207		0.81	25.4	710	4.8	7.0	0.001	<0.01	0.76	5.7	0.5	0.3	34.9	<0.01	0.03	2.0
K735208		1.10	33.1	1060	3.1	6.0	0.001	<0.01	0.40	6.4	0.5	0.3	37.7	<0.01	0.01	2.2
K735209		0.53	22.0	910	2.5	4.8	<0.001	<0.01	0.36	6.6	0.4	0.3	30.3	<0.01	0.01	1.8
K735210		0.81	28.6	740	3.9	5.9	0.002	0.03	0.80	6.1	1.0	0.3	42.0	<0.01	0.02	1.5
K735211		0.69	22.4	710	4.7	8.1	0.001	0.02	0.38	6.5	0.5	0.4	48.0	<0.01	0.01	3.1
K735212		2.29	37.9	1890	4.9	21.6	0.001	0.01	0.26	4.6	0.8	0.7	22.5	<0.01	0.04	9.1
K735213		2.06	67.0	1120	4.6	20.2	0.006	0.02	0.17	3.7	1.3	0.5	13.5	<0.01	0.03	6.9
K735214		1.56	25.7	870	6.7	14.1	<0.001	0.01	0.18	3.5	0.6	0.5	22.6	<0.01	0.02	7.8
K735215		0.16	70.9	600	683	8.4	0.005	2.44	142.0	6.6	2.0	4.8	103.0	<0.01	0.99	2.9
K735216		1.14	19.4	1060	4.0	11.4	<0.001	0.01	0.21	2.8	0.4	0.3	18.9	<0.01	0.02	4.7
K735217		1.09	16.5	2220	2.9	7.2	<0.001	<0.01	0.11	2.4	0.4	0.4	27.8	<0.01	0.01	14.4
K735218		1.03	12.9	1830	3.0	12.0	<0.001	<0.01	0.08	2.5	0.4	0.4	33.4	<0.01	0.01	14.3
K735251		1.16	36.8	1110	10.4	8.1	<0.001	0.01	2.03	3.2	0.4	0.3	23.8	<0.01	0.02	5.5
K735252		0.48	11.7	930	2.8	5.1	<0.001	0.02	1.81	2.1	0.2	0.2	16.8	<0.01	0.02	2.4
K735253		0.57	21.1	1050	6.6	9.5	0.001	0.02	3.56	2.8	0.7	0.3	22.2	<0.01	0.04	2.9
K735254		0.65	14.2	730	4.0	8.7	<0.001	0.01	1.36	2.3	0.3	0.2	19.6	<0.01	0.01	3.1
K735255		1.08	22.3	990	5.0	7.6	0.001	0.01	0.74	6.1	0.6	0.4	45.0	<0.01	0.02	1.4

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**CERTIFICATE OF ANALYSIS WH11105622**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-OG44
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Au ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
K735143		0.036	0.05	0.69	25	0.10	5.06	49	0.6	
K735144		0.085	0.13	1.13	49	0.26	9.08	46	<0.5	
K735145		0.106	0.05	0.26	44	9.66	5.81	32	6.0	
K735146		0.065	0.10	1.21	34	0.15	7.70	58	<0.5	
K735147		0.041	0.17	0.39	68	0.12	7.08	99	1.2	
K735148		0.053	0.14	0.40	77	0.11	7.66	91	1.7	
K735149		0.052	0.08	0.35	59	0.14	5.44	68	1.1	
K735150		0.035	0.22	0.59	74	0.24	7.83	141	1.6	
K735166		0.048	0.05	0.56	34	0.13	5.93	40	1.4	
K735167		0.045	0.04	0.74	55	0.20	7.37	34	3.7	0.86
K735168		0.049	0.05	0.51	31	0.13	7.54	38	4.4	
K735169		0.051	0.06	0.51	31	0.14	7.24	37	4.3	
K735170		0.059	0.15	23.5	23	0.38	12.00	42	<0.5	
K735171		0.065	0.13	10.65	44	7.43	10.25	46	1.6	
K735172		0.068	0.13	7.13	38	5.12	9.97	47	1.4	
K735173		0.069	0.11	1.52	54	0.27	5.63	68	1.0	
K735174		0.064	0.06	0.45	39	0.39	5.03	34	1.6	
K735175		0.076	0.05	0.46	57	1.42	4.98	31	1.9	0.01
K735201		0.090	0.06	0.64	98	0.18	9.11	103	0.9	
K735202		0.068	0.05	1.09	77	0.14	7.93	88	1.1	
K735203		0.073	0.05	0.52	94	0.15	8.07	76	0.7	
K735204		0.080	0.07	0.75	83	0.16	8.31	68	1.3	
K735206		0.121	0.06	0.65	130	0.18	8.84	66	2.7	
K735207		0.085	0.07	0.47	79	0.12	7.09	65	1.5	
K735208		0.144	0.04	0.60	97	0.12	8.09	77	4.0	
K735209		0.150	0.03	0.27	123	0.10	7.84	79	2.9	
K735210		0.091	0.06	0.42	89	0.17	7.30	67	2.6	
K735211		0.083	0.09	0.56	89	0.09	8.53	54	9.9	
K735212		0.117	0.20	18.25	75	29.3	15.40	59	1.1	
K735213		0.097	0.28	8.91	56	3.01	13.60	140	<0.5	
K735214		0.077	0.17	24.7	62	1.10	8.55	55	<0.5	
K735215		0.029	0.57	1.10	44	9.57	8.11	1160	12.1	
K735216		0.064	0.12	8.32	50	0.38	7.40	45	<0.5	
K735217		0.059	0.08	5.30	35	1.67	9.16	34	0.6	
K735218		0.062	0.12	4.24	34	0.91	9.24	37	0.5	
K735251		0.069	0.06	0.98	49	0.20	7.80	41	1.5	0.01
K735252		0.028	0.06	0.76	20	1.62	4.11	27	<0.5	
K735253		0.027	0.14	1.30	27	0.22	8.95	65	0.5	
K735254		0.033	0.07	1.66	24	0.29	4.79	44	<0.5	
K735255		0.079	0.05	0.47	89	0.15	9.59	60	1.0	

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Sample Description	Method Analyte Units LOR	WEI-21	Au-ST44	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.0001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
K735256		5.56	0.0083	0.07	1.31	8.5	<0.2	<10	180	0.50	0.07	0.85	0.21	29.3	12.7	38
K735257		6.84	0.0016	0.08	1.11	11.6	<0.2	<10	190	0.39	0.07	0.97	0.33	26.3	13.6	40
K735258		4.98	0.0017	0.10	1.14	12.1	<0.2	<10	240	0.36	0.07	0.98	0.40	19.80	14.5	43
K735259		5.26	0.0121	0.27	1.05	17.0	<0.2	<10	400	0.31	0.07	1.33	1.03	15.35	12.5	30
K735260		7.16	0.0016	0.07	1.02	9.0	<0.2	<10	160	0.36	0.05	1.08	0.23	22.5	12.0	34
K735261		6.24	0.0015	0.07	0.97	8.9	<0.2	<10	160	0.36	0.05	1.32	0.24	23.0	10.7	34
K735262		1.58	0.0008	0.06	1.32	5.5	<0.2	<10	150	0.25	0.05	0.85	0.16	15.20	13.2	34
K735263		5.06	0.0014	0.04	1.38	4.5	<0.2	<10	110	0.25	0.04	0.92	0.08	16.60	13.6	30
K735264		2.88	0.0142	0.05	1.02	7.1	<0.2	<10	110	0.26	0.15	0.50	0.18	24.7	10.7	30
K735265		0.16	0.0015	0.19	1.02	3.4	<0.2	<10	80	0.19	0.05	0.69	0.13	9.85	7.2	30
K735266		3.52	>0.1000	0.14	0.95	2.1	<0.2	<10	110	0.31	0.20	0.45	0.43	23.9	6.3	41
K735267		5.38	>0.1000	0.05	0.81	2.4	<0.2	<10	100	0.26	0.17	0.54	0.31	44.8	5.9	28
K735268		5.68	0.0082	0.09	0.69	4.2	<0.2	<10	130	0.19	0.21	0.33	0.75	18.90	7.4	29
K735269		5.16	0.0111	0.07	0.74	3.3	<0.2	<10	140	0.15	0.08	0.40	0.87	17.25	7.2	39
K735270		5.98	0.0583	0.05	1.24	3.6	<0.2	<10	140	0.26	0.11	0.85	0.17	23.9	12.9	63
K735271		6.88	0.0049	0.02	0.63	2.7	<0.2	<10	90	0.15	0.06	0.40	0.10	14.85	6.9	25
K735272		5.26	0.0011	0.02	0.60	1.4	<0.2	<10	80	0.12	0.07	0.31	0.10	16.55	5.3	16
K735273		5.46	0.0098	0.06	0.72	1.4	<0.2	<10	90	0.15	0.10	0.37	0.12	23.9	6.3	19
K735301		7.42	0.0528	0.08	1.15	7.4	<0.2	<10	180	0.29	0.05	0.88	0.33	19.00	12.5	44
K735302		5.52	0.0011	0.06	1.02	5.2	<0.2	<10	170	0.21	0.04	0.82	0.30	16.80	9.7	37
K735303		4.40	0.0019	0.06	1.67	3.7	<0.2	<10	130	0.27	0.05	1.06	0.23	14.10	17.2	122
K735304		5.72	0.0026	0.06	1.77	5.7	<0.2	<10	160	0.31	0.05	2.21	0.18	22.2	19.5	67
K735305		5.60	0.0100	0.04	0.79	5.5	<0.2	<10	60	0.37	0.42	0.47	0.21	33.9	6.4	18
K735306		6.94	0.0027	0.07	0.78	11.7	<0.2	<10	90	0.37	0.27	0.37	0.72	33.6	8.5	17
K735307		4.40	0.0041	0.10	1.03	13.9	<0.2	<10	130	0.44	0.63	0.36	0.90	27.0	9.3	34
K735308		9.76	0.0046	0.04	0.64	3.7	<0.2	<10	100	0.18	0.10	0.50	0.13	20.8	9.3	34
K735309		5.42	0.0033	0.05	0.81	4.1	<0.2	<10	100	0.21	0.16	0.42	0.27	22.7	13.2	39
K735310		4.24	0.0058	0.13	1.20	23.0	<0.2	<10	190	0.41	0.28	0.84	1.09	19.30	14.8	72
K735351		4.32	0.0032	0.18	1.23	13.7	<0.2	<10	180	0.29	0.08	0.83	0.35	16.75	14.4	40
K735352		4.40	0.0015	0.12	1.10	15.4	<0.2	<10	230	0.27	0.07	0.97	0.63	18.85	14.3	30
K735353		6.54	0.0276	0.05	1.00	9.2	<0.2	<10	230	0.23	0.04	0.88	0.31	16.80	10.9	34
K735354		6.12	0.0017	0.07	1.18	7.9	<0.2	<10	170	0.27	0.05	1.09	0.32	14.45	12.7	38
K735355		10.92	0.0011	0.06	1.03	8.5	<0.2	<10	180	0.26	0.04	0.81	0.30	16.35	11.7	34
K735356		<0.02	0.0024	0.06	1.06	8.5	<0.2	<10	190	0.21	0.04	0.83	0.29	14.30	11.9	35
K735357		6.80	0.0211	0.09	0.94	10.8	<0.2	<10	170	0.30	0.05	0.79	0.30	13.40	12.0	34
K735358		4.16	0.0025	0.10	0.96	7.7	<0.2	<10	180	0.26	0.05	1.79	0.34	15.70	9.0	28



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**TO: GOLDEN PREDATOR CANADA CORP.**  
**888 DUNSMUIR STREET**  
**11TH FLOOR**  
**VANCOUVER BC V6C 3K4**

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Project: Stream seds

**CERTIFICATE OF ANALYSIS WH11105622**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
K735256		0.65	70.5	3.59	4.64	0.09	0.04	0.06	0.022	0.07	14.8	14.5	0.75	517	1.07	0.01
K735257		0.63	47.6	3.57	4.14	0.10	0.06	0.07	0.022	0.07	13.8	11.3	0.70	462	1.75	0.01
K735258		0.78	43.6	3.07	4.09	0.09	0.05	0.14	0.024	0.07	9.3	11.8	0.77	490	1.92	0.01
K735259		0.82	32.9	3.12	3.61	0.08	0.05	0.16	0.023	0.06	8.0	9.6	0.57	2840	2.32	0.01
K735260		0.53	48.6	2.92	3.89	0.10	0.07	0.05	0.019	0.06	10.7	10.6	0.68	396	1.28	0.01
K735261		0.52	42.7	2.85	3.39	0.08	0.07	0.06	0.018	0.06	11.5	8.4	0.66	429	1.36	0.02
K735262		0.98	26.5	3.00	4.41	0.07	0.06	0.05	0.019	0.05	7.0	12.1	0.95	524	0.78	0.02
K735263		0.44	20.0	3.22	4.65	0.11	0.19	0.03	0.016	0.04	7.7	13.2	1.21	466	0.30	0.02
K735264		0.89	24.0	2.47	3.68	0.06	0.04	0.02	0.015	0.06	11.3	11.4	0.54	562	0.63	0.02
K735265		0.31	20.2	2.01	3.77	0.09	0.24	0.02	0.016	0.06	4.6	7.9	0.48	310	3.85	0.06
K735266		3.14	13.7	1.71	3.29	0.07	<0.02	0.02	0.014	0.10	13.4	24.5	0.50	225	1.03	0.02
K735267		1.30	10.5	2.10	3.26	0.08	0.02	0.01	0.015	0.12	23.4	12.6	0.45	354	1.03	0.01
K735268		1.02	17.6	1.93	2.47	0.07	<0.02	0.01	0.013	0.10	10.0	8.0	0.42	302	1.58	0.01
K735269		0.81	13.4	2.35	2.76	0.08	0.02	0.01	0.014	0.07	9.2	6.9	0.42	226	0.99	0.01
K735270		1.07	19.6	2.72	3.95	0.08	0.02	0.01	0.013	0.17	11.9	7.9	1.02	770	0.52	0.01
K735271		0.47	10.6	1.79	2.33	0.06	0.02	0.01	0.008	0.07	7.5	5.0	0.40	352	0.30	0.01
K735272		0.41	9.6	1.71	2.32	0.07	0.02	0.01	0.008	0.10	8.8	4.8	0.40	249	0.28	0.01
K735273		0.67	10.7	2.17	2.86	0.07	0.02	0.01	0.009	0.13	12.8	6.3	0.44	269	0.53	0.01
K735301		0.67	33.7	3.50	4.18	0.09	0.05	0.06	0.018	0.05	9.6	10.9	0.79	494	1.09	0.02
K735302		0.81	21.5	2.77	3.54	0.08	0.06	0.12	0.016	0.05	8.6	8.9	0.68	364	0.71	0.02
K735303		0.53	59.4	2.92	4.80	0.09	0.06	0.05	0.015	0.06	7.1	13.6	1.60	467	0.77	0.02
K735304		0.71	68.0	3.87	4.61	0.11	0.09	0.04	0.020	0.12	10.2	9.8	1.71	762	0.91	0.02
K735305		2.11	7.8	1.75	3.12	0.07	0.02	0.02	0.011	0.08	17.2	27.0	0.39	420	0.78	0.01
K735306		1.86	9.1	1.85	2.94	0.07	<0.02	0.02	0.011	0.08	15.5	20.5	0.32	744	0.79	0.01
K735307		5.25	26.9	2.16	3.66	0.08	0.02	0.01	0.017	0.15	13.6	22.8	0.54	327	2.11	0.02
K735308		0.60	16.3	2.51	2.49	0.07	0.04	0.01	0.010	0.07	11.0	4.9	0.48	300	0.42	0.01
K735309		0.70	22.5	3.26	3.06	0.08	0.03	0.01	0.011	0.09	11.9	5.9	0.60	354	0.46	0.01
K735310		3.24	30.9	3.08	4.00	0.10	0.02	0.16	0.020	0.16	9.7	16.9	1.05	449	1.74	0.02
K735351		0.86	39.4	3.45	4.04	0.09	0.07	0.11	0.023	0.06	8.0	10.2	0.78	554	1.98	0.02
K735352		0.88	26.7	2.95	3.68	0.08	0.05	0.11	0.020	0.06	9.2	9.7	0.65	2320	3.62	0.02
K735353		0.69	17.5	3.05	3.31	0.09	0.06	0.07	0.016	0.05	8.4	7.8	0.67	1320	1.26	0.02
K735354		0.85	32.3	3.22	3.98	0.10	0.06	0.07	0.019	0.05	7.0	10.1	0.85	568	0.97	0.02
K735355		0.67	19.0	2.97	3.51	0.09	0.07	0.07	0.016	0.04	8.1	8.6	0.71	1180	1.11	0.02
K735356		0.69	19.2	3.11	3.51	0.09	0.07	0.07	0.016	0.05	7.0	8.9	0.74	1220	1.06	0.02
K735357		0.84	24.3	3.08	3.38	0.08	0.07	0.11	0.017	0.05	6.5	7.4	0.63	1210	1.54	0.02
K735358		0.70	23.5	2.41	3.19	0.06	0.05	0.08	0.017	0.05	7.9	9.0	0.59	375	1.25	0.02



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To: GOLDEN PREDATOR CANADA CORP.  
 888 DUNSMUIR STREET  
 11TH FLOOR  
 VANCOUVER BC V6C 3K4

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 Account: GOPRED

Project: Stream seds

**CERTIFICATE OF ANALYSIS WH11105622**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
K735256		1.23	25.1	1080	4.7	5.6	0.001	0.01	0.76	5.4	0.5	0.4	42.0	<0.01	0.02	1.9
K735257		0.82	27.3	990	5.0	5.3	0.001	0.01	1.11	5.8	0.7	0.3	42.9	<0.01	0.02	2.6
K735258		0.83	38.1	870	5.0	6.1	0.002	0.02	0.99	5.9	1.1	0.3	47.4	<0.01	0.03	1.9
K735259		0.67	35.7	820	4.7	6.5	0.006	0.04	1.16	5.5	2.1	0.2	58.4	<0.01	0.04	1.2
K735260		0.87	24.6	950	4.0	4.2	0.001	0.01	0.82	5.1	0.6	0.3	41.0	<0.01	0.02	2.1
K735261		0.72	21.0	990	3.8	3.9	0.001	<0.01	0.84	4.8	0.7	0.3	44.6	<0.01	0.01	2.2
K735262		0.64	21.9	740	3.6	5.9	0.002	0.02	0.49	5.9	0.8	0.3	36.1	<0.01	0.01	1.1
K735263		0.61	18.9	760	3.3	3.0	0.001	<0.01	0.28	5.2	0.4	0.3	32.9	<0.01	0.01	1.7
K735264		0.96	23.5	630	5.9	8.2	<0.001	<0.01	0.37	3.1	0.5	0.3	26.8	<0.01	0.02	2.6
K735265		0.27	19.9	480	2.1	2.8	0.001	0.02	0.32	4.0	0.4	0.4	26.4	<0.01	0.03	0.9
K735266		1.09	36.3	1040	3.2	15.2	0.004	<0.01	0.14	2.5	1.2	0.6	16.8	<0.01	0.01	1.9
K735267		1.80	19.7	1610	3.4	17.2	<0.001	<0.01	0.15	2.8	0.7	0.5	15.4	<0.01	0.02	16.7
K735268		0.78	21.2	610	4.7	9.0	<0.001	0.01	0.23	2.6	0.9	0.3	17.6	<0.01	0.04	5.2
K735269		0.73	20.3	690	4.3	7.8	0.001	<0.01	0.20	2.6	0.9	0.3	19.7	<0.01	0.02	2.7
K735270		0.95	39.4	880	4.9	15.9	<0.001	0.06	0.23	3.2	0.5	0.3	31.0	<0.01	0.03	3.9
K735271		0.74	13.9	640	2.0	6.0	<0.001	<0.01	0.19	2.2	0.3	0.2	16.1	<0.01	0.01	2.6
K735272		0.79	10.2	480	2.1	7.2	<0.001	<0.01	0.13	2.1	0.2	0.2	13.1	<0.01	0.01	3.2
K735273		1.00	10.9	770	2.3	7.7	<0.001	<0.01	0.10	2.5	0.2	0.3	13.2	<0.01	0.01	5.1
K735301		0.93	24.1	860	3.6	4.9	0.002	<0.01	0.81	5.3	1.2	0.3	40.9	<0.01	0.02	1.9
K735302		0.69	19.4	800	3.1	4.8	0.004	<0.01	0.59	4.6	1.4	0.3	37.9	<0.01	0.01	1.9
K735303		1.18	63.8	1070	2.5	6.3	0.001	<0.01	0.34	4.9	0.8	0.3	37.3	<0.01	0.02	1.2
K735304		0.88	35.1	950	2.8	6.7	0.002	0.02	0.49	7.4	0.8	0.3	71.9	<0.01	0.05	1.6
K735305		1.43	14.1	1430	3.7	13.1	<0.001	<0.01	0.20	2.0	0.4	0.6	16.3	<0.01	0.01	5.5
K735306		1.48	17.4	1040	5.0	13.0	<0.001	<0.01	0.32	1.8	0.6	0.5	17.1	<0.01	0.01	4.0
K735307		1.42	29.3	630	8.1	18.7	0.001	0.01	0.30	3.5	0.9	0.5	17.6	<0.01	0.03	6.9
K735308		0.68	21.1	780	3.7	5.4	<0.001	<0.01	0.27	2.1	0.3	0.2	18.8	<0.01	0.03	3.4
K735309		0.68	26.1	740	4.7	7.4	<0.001	<0.01	0.27	2.5	0.4	0.3	18.3	<0.01	0.04	4.1
K735310		1.14	48.1	910	7.3	14.9	0.001	0.16	3.24	5.0	1.5	0.4	28.4	<0.01	0.04	5.2
K735351		0.70	30.7	720	5.0	5.0	0.003	<0.01	1.29	6.3	1.5	0.3	46.6	<0.01	0.03	2.1
K735352		0.78	28.0	730	4.3	5.3	0.003	0.01	0.91	5.5	2.7	0.3	42.6	<0.01	0.03	2.0
K735353		0.61	20.9	740	2.9	3.8	0.003	<0.01	0.67	4.3	1.0	0.3	36.4	<0.01	0.02	4.4
K735354		0.67	24.8	750	3.6	4.3	0.003	<0.01	0.86	5.7	1.2	0.3	42.2	<0.01	0.03	1.7
K735355		0.62	22.4	740	2.9	3.7	0.003	0.01	0.68	4.5	0.9	0.3	33.6	<0.01	0.02	2.1
K735356		0.58	22.1	750	3.1	3.7	0.003	0.01	0.72	4.7	0.9	0.3	32.7	<0.01	0.01	1.6
K735357		0.54	24.8	700	3.4	3.7	0.003	0.01	1.00	4.8	1.1	0.3	35.1	<0.01	0.02	1.5
K735358		0.64	19.1	750	3.7	5.4	0.005	0.01	0.73	4.3	1.2	0.3	59.3	<0.01	0.02	1.3

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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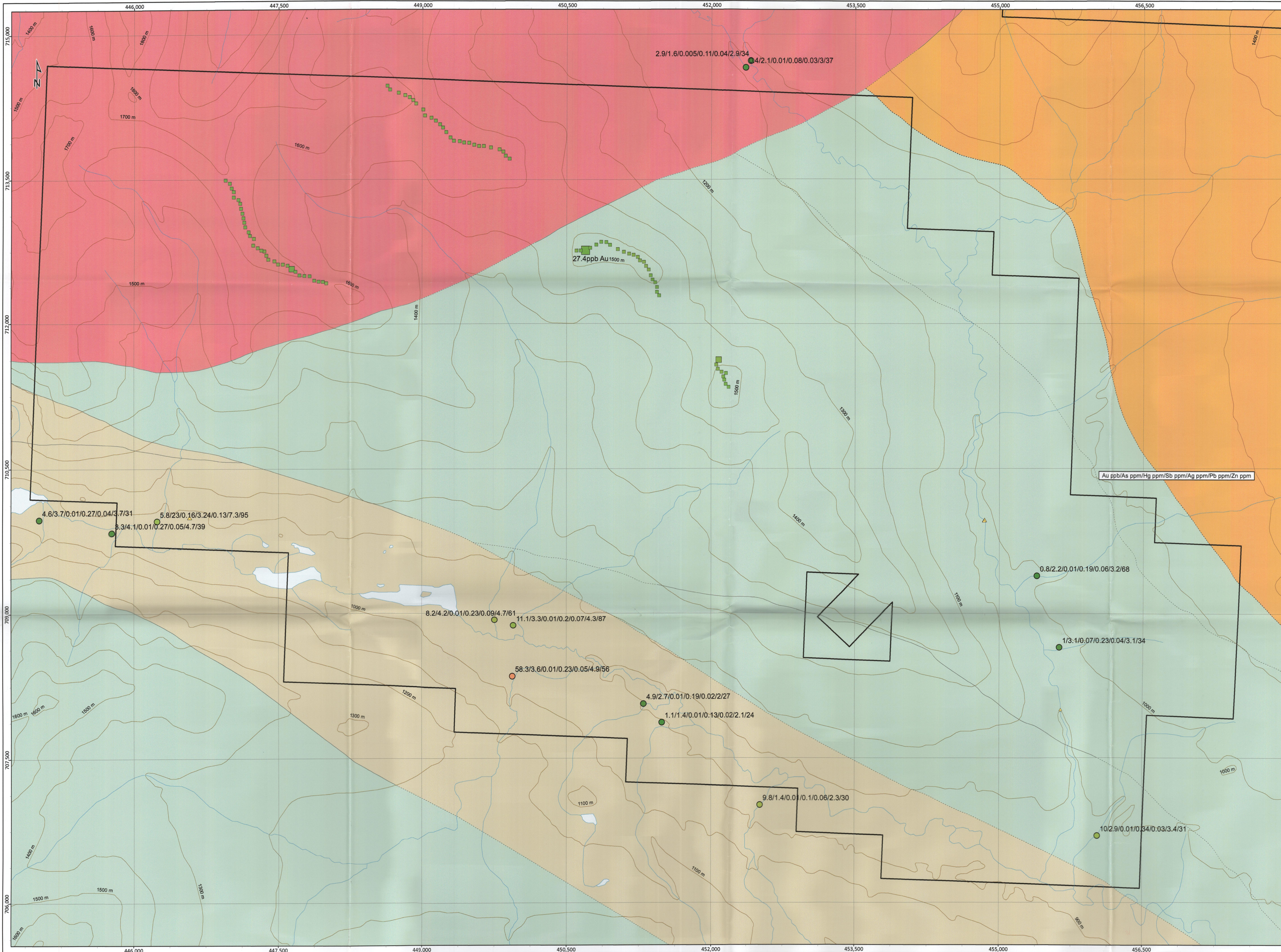
**GOLDEN PREDATOR CANADA CORP.**  
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**CERTIFICATE OF ANALYSIS WH11105622**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-OG44
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Au ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
K735256		0.093	0.05	0.53	90	0.15	8.69	57	1.4	
K735257		0.083	0.08	0.54	93	0.14	8.80	65	2.2	
K735258		0.076	0.11	0.52	76	0.95	7.83	69	1.9	
K735259		0.058	0.13	0.47	65	0.14	8.13	91	1.4	
K735260		0.090	0.05	0.47	75	0.14	8.06	52	2.6	
K735261		0.094	0.05	0.49	76	0.14	7.79	51	2.7	
K735262		0.083	0.04	0.35	74	0.09	6.49	66	1.7	
K735263		0.140	0.03	0.32	79	0.36	7.25	55	5.8	
K735264		0.066	0.05	0.57	48	0.18	4.73	55	1.2	
K735265		0.111	0.05	0.25	46	11.05	6.49	33	6.7	
K735266		0.065	0.12	3.44	47	7.04	7.98	71	<0.5	0.02
K735267		0.079	0.15	3.60	51	3.51	13.05	44	<0.5	0.04
K735268		0.060	0.10	1.97	51	0.52	5.02	61	0.5	
K735269		0.066	0.09	0.73	65	4.59	4.91	87	0.7	
K735270		0.083	0.13	0.77	45	0.13	6.16	56	0.7	
K735271		0.059	0.05	0.48	40	0.16	4.14	27	0.8	
K735272		0.058	0.05	0.56	39	0.12	3.91	24	0.7	
K735273		0.073	0.06	1.07	49	0.89	5.22	30	0.5	
K735301		0.103	0.05	1.29	104	0.12	7.75	55	1.9	
K735302		0.091	0.05	0.48	83	0.19	6.54	54	1.8	
K735303		0.150	0.03	0.31	76	0.09	6.31	68	1.9	
K735304		0.133	0.06	0.32	102	0.07	8.52	67	2.7	
K735305		0.060	0.12	4.33	26	6.21	10.20	40	<0.5	
K735306		0.046	0.12	6.04	29	0.84	9.13	54	<0.5	
K735307		0.073	0.19	26.3	58	1.54	8.77	110	<0.5	
K735308		0.072	0.05	1.94	53	0.15	5.56	31	1.8	
K735309		0.072	0.06	0.71	67	0.16	5.97	39	1.1	
K735310		0.075	0.37	5.85	69	0.79	10.20	95	0.5	
K735351		0.086	0.08	0.44	93	0.16	8.22	72	2.6	
K735352		0.074	0.11	0.71	68	0.20	7.32	66	1.5	
K735353		0.091	0.07	0.93	82	0.15	5.94	55	2.2	
K735354		0.096	0.05	0.41	92	0.15	6.91	57	2.1	
K735355		0.089	0.06	0.56	81	0.15	6.17	53	2.4	
K735356		0.095	0.07	0.41	85	0.16	5.97	55	2.4	
K735357		0.082	0.10	0.36	85	0.16	6.40	60	2.4	
K735358		0.070	0.06	0.38	60	0.20	6.12	54	1.4	



**Legend**

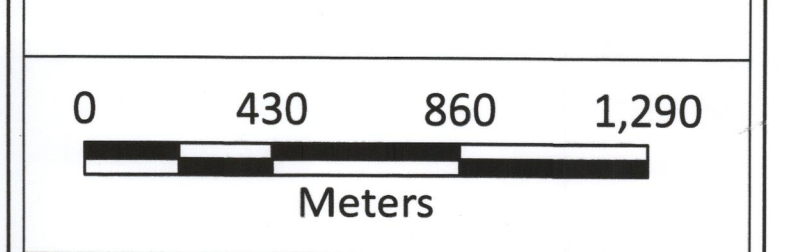
- Silt Samples**
- Au ppm**
- 0.000050 - 0.005200
  - 0.005201 - 0.017900
  - 0.017901 - 0.044200
  - 0.044201 - 0.100000
  - 0.100001 - 0.860000
- Soil Samples**
- Au ppb**
- 0.0 - 5.0
  - 5.1 - 11.2
  - 11.3 - 30.1
  - 30.2 - 68.3
  - 68.4 - 248.4
- Rock Samples**
- Au ppb**
- ▲ 0 - 10
  - ▲ 11 - 40
  - ▲ 41 - 90
  - ▲ 91 - 1078

- Geology (Gordey and Makepeace, 1999)**
- MID-CRETACEOUS**
- mKc: CASSIAR SUITE: granodiorite, biotite-muscovite granodiorite, quartz diorite, biotite quartz monzonite, granite (Cassiar Suite)
- DEVONIAN, MISSISSIPPIAN AND(?) OLDER**
- DMN4: NASINA: quartzite to quartz-muscovite schist
- PROTEROZOIC AND PALEOZOIC**
- PPa: AMPHIBOLITE: metamorphosed mafic rocks
- UPPER PROTEROZOIC TO LOWER CAMBRIAN**
- PCI4: INGENIKA: thin bedded slate, siltstone, quartzite and minor limestone; felspathic sandstone to orthoquartzite; pelitic schists; minor gneiss (Katze Gp., Harvey Gp.)

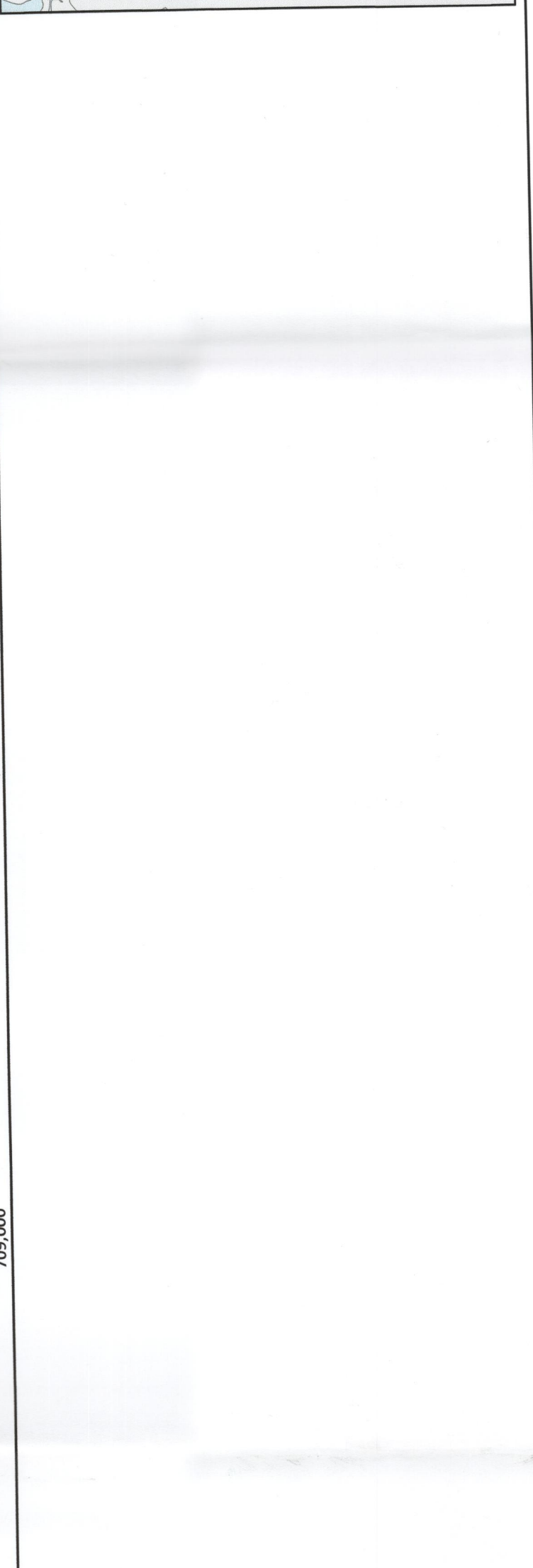



**JJC Sampling 2011**

With Geology

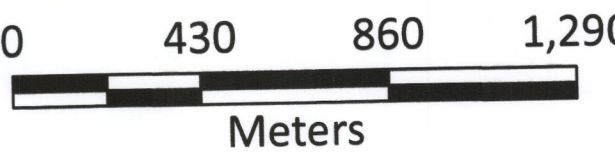


Scale:	1:17,324	Map ID:	--
Draw Date:	2012/11/13	Rev. Date:	--
Version:	1	Figure:	--
Author:	S. O'Connor	Office:	Whitehorse
Location:	19 km southwest of Quiet Lake		
Projection:	NAD 1983 Yukon Albers		
Filename:	JJC_20121113_24x36GeologySamples		





## JJC Claims



Scale: 1:17,324	Map ID: --
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