

**Assessment Report Describing Soil Geochemistry Survey
on the Pano Claim Group**

Dawson Mining District

**NTS:
116A04**

**LAT: 64°6' N
LONG: 137°56' W**

**CLAIMS
PANO 1-42
YD47301 – YD47342**

Field work completed on September 4, 2010

Ryan Gold Corp.

Author: Hua Jin

October 2011

SUMMARY

On September 4, 2010, Groundtruth Exploration Inc. collected a total of 126 soil samples from 6.94km soil traverse lines on the 42 Pano claims by mobilizing a crew of 4 men. The purpose of the soil sampling program at the Pano claim was twofold; first was to investigate the similar multi-element soil geochemistry anomaly that was identified from Ida Oro claim 12km to the east; second is to understand the regional magnetic high on the Pano Claim block from the YGS regional total magnetic survey. The total cost of the program was \$6,684.

The Pano claim soil sampling program was comprised of five traverse lines to cover the ridge and spur at Pano claim block as well as two lines along the contour around the regional magnetic high. Locally elevated Au-As-Bi geochemical signature was identified in soil at regional magnetic high and locally elevated Cu-Pb-Zn values in soil were identified distal to the Pano regional magnetic high (relatively low magnetic relief) in the SE portion of Pano.

Further work including prospecting, geological mapping, rock sampling is recommended at Pano claim in particular the magnetic high area-NE of Pano showing locally increased Au-As-Bi and magnetic low area SE of Pano characterized by elevated Cu-Pb-Zn values in soil.

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1. INTROCUCTION

1.1 Location and Access

The 42 Pano claims are located eastern central of Yukon, approximately 86.5km east of Dawson City, Yukon territory at latitude of 64°6'N and longitude 137°56'W on NTS map sheet 116A04 (Figure 1). The claims were staked under the Yukon Quartz Mining Act and are registered in the Dawson Mining District in the name of Ryan Gold Inc. Access to the property is by helicopter either from Dawson city or from a road accessible staging area at the Brewery Creek Mine. The average driving time from Dawson to the Brewery Creek staging area is approximately 1 hour.

1.2 Claim Status and Ownership

The Pano Claim group consists of 42 contiguous quartz claims and 100% owned by Ryan Gold Inc. Detailed claim information and location is shown on Figure 2. Claim tenure information is summarized below:

<u>Claim</u>	<u>Grant number</u>	<u>Expiry Date*</u>	<u>Claim Owner</u>
Pano 1-42	YD47301-YD47342	April 23, 2012	Ryan Gold Inc – 100%

*Expiry date includes 2010 work filed for assessment.

1.3 Topography, Vegetation and Climate

The elevation on Pano claim blocks ranges from 670m from valley bottom to 1310m above sea level on the ridge top with relative relief of 640m. Topography is characterized by moderate slopes with more steep slopes towards the ridge top on the NE of Pano claim block.

Rock outcrops are rare on the soil traverse line comprising less than 5% of the claim block. Vegetation consists of birch forest, black spruce, buckbrush, dwarf birch and burnt moss. The majority of Pano claim block is below tree line.

The climate is northern interior continental with moderate snow accumulation in the winter. Temperature ranges from 10-25°C in the summers down to -15 to -50°C in the winters. The exploration field season is usually from early June to mid-September.

2. HISTORY

There is no record of previous work done exclusively on the Pano claim area. Regional GSC work covering the Pano claim area is primarily summarized as below:

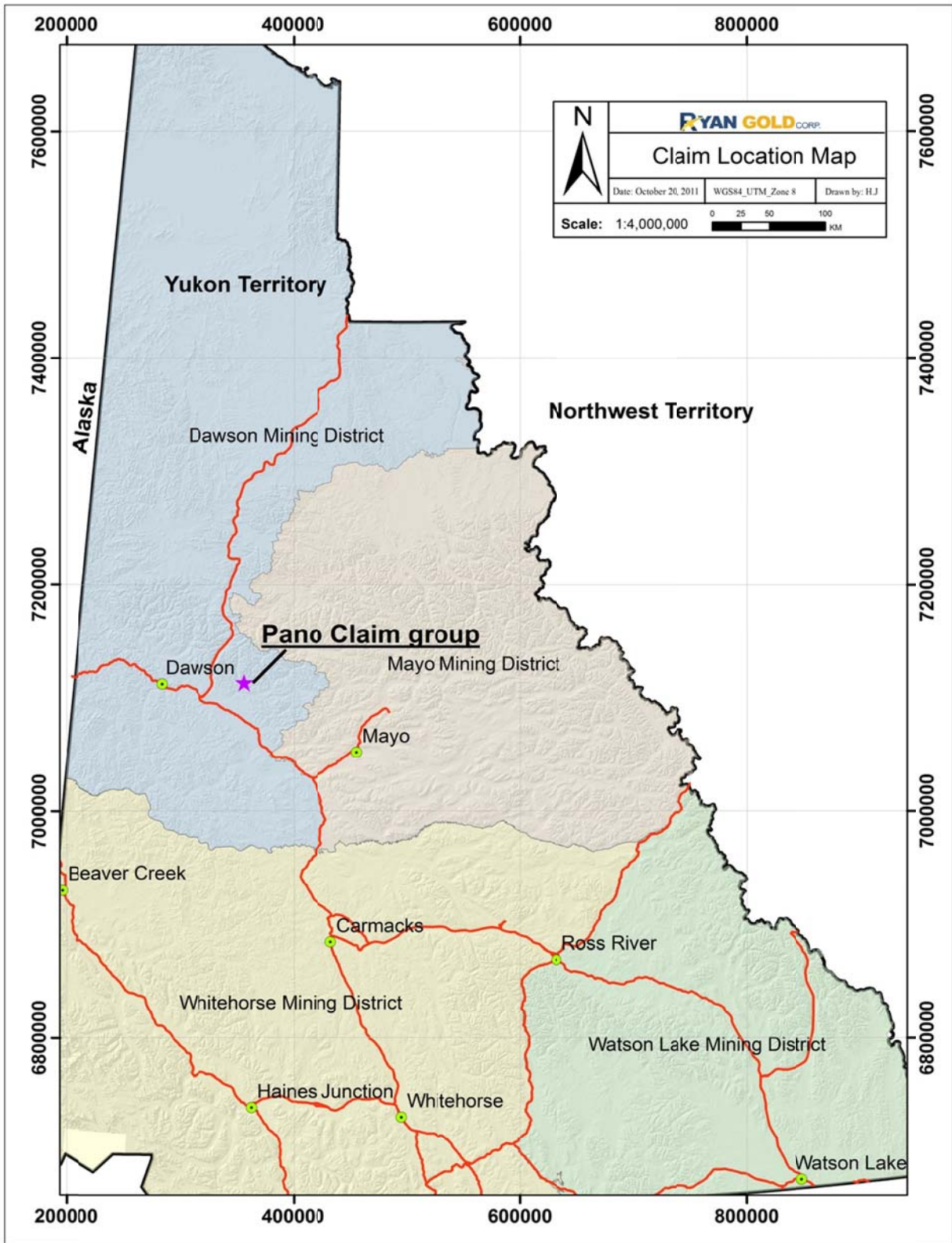


Figure 1. Claim Location Map

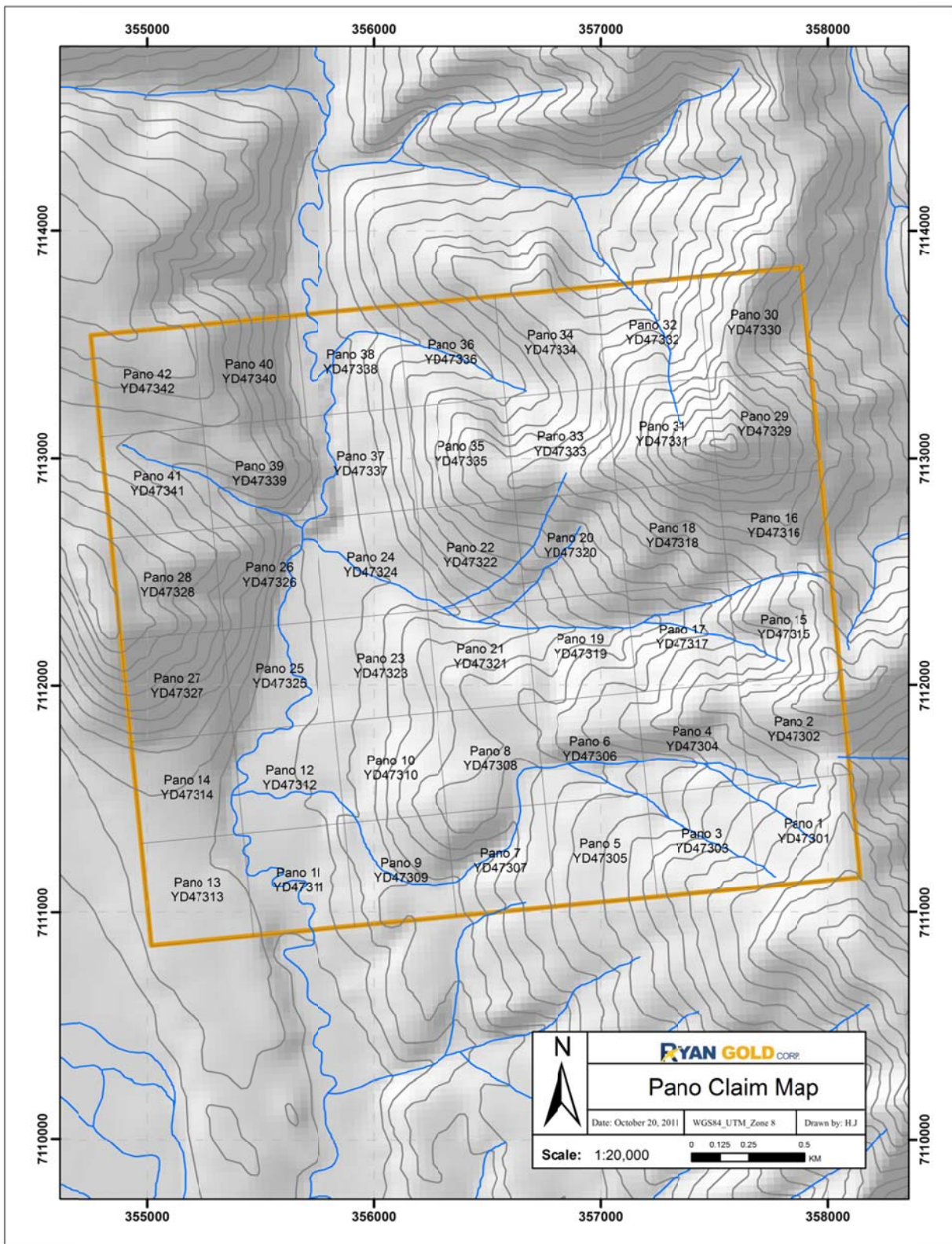


Figure 2. Pano Claim map

- 1971 GSC conducted regional scale mapping at 1:250K scale
- 1996 GSC conducted Airborne Geophysical Survey Larsen Creek, Yukon Territory, NTS 115P/13 & 116A/4 flown and compiled by Sander Geophysics Ltd. at the scale of 1:50,000

3. REGIONAL GEOLOGY

The Pano property is situated within the western portion of the Selwyn Basin, part of the Ominica Belt (Wheeler, et al., 1991; Murphy, et al., 1993). The Selwyn Basin is Precambrian to Middle Devonian deep water off shelf depositional basin, which is part of ancestral North America. To the north and east of the region is a shelf carbonate and clastic sedimentary rock of the Mackenzie Platform. To the southwest is volcanic stratigraphy of the exotic Yukon-Tanana Terrane separated by the Tintina Fault (Green, 1972; Poulson, 1997). Stratigraphy of the Selwyn Basin in the Dawson-Mayo area is comprised, in order from oldest to youngest, of Hyland Group, Gull Lake Formation, Rabbit Kettle Formation, Road River Group, Earn Group and Keno Hill quartzite lithologies (Murphy et al, 1997).

Three regionally extensive thrust sheets which are Robert Service, Tombstone and Dawson thrusts have displaced large packages of rocks within the Selwyn Basin during the Jura-Cretaceous compressional tectonic event. The Robert Service thrust underlies and defines one of the largest thrust sheets in the Canadian Cordillera (Murphy et al. 1993) extends eastward from Dawson city to Keno Hill and into Lansing area. Robert Service thrust juxtaposes Upper Proterozoic Hyland Group rocks (PCH) on the upper plate over Mississippian Keno Hill Quartzite and Triassic-Jurassic schist (TrJs) on the lower place. The Tombstone thrust typically juxtaposes Proterozoic and Paleozoic Selwyn Basin Rocks over an immediate footwall ranging in age from Devonian to Late Jurassic.

Selwyn basin rocks were deformed and intruded by felsic plutons and stocks during the waning stages of Jura-Cretaceous compressional tectonic event. During the Cretaceous, two locally large felsic to intermediate intrusive bodies are recognized, the 89-95 Ma Tombstone Suite and the 64 Ma McQueston Suite. The Tombstone intrusive suite consists of two groups varying in composition and texture. One is quartz-poor to quartz-absent massive coarse grained hornblende-biotite syenite, quartz syenite, quartz monzonite and granite group. The other group is quartz-bearing weakly porphyritic medium to coarse grained granite and granodiorite. The intrusions are variably magnetic with aeromagnetic signature extending into the hornfelsed zone. McQueston intrusive suite is comprised of medium to coarse grained potassium feldspar megacrystic biotite muscovite granite and quartz monzonite (Murphy, 1997).

Regional metamorphism has imprinted a greenschist facies metamorphic mineral assemblage on rocks of Hyland Group and Road River Group. Contact metamorphic aureoles consists of biotite

hornfels enriched in iron and locally precious and base metals. Often the large intrusive body has low magnetic signatures surrounded by high magnetic relief related to pyrrhotite in the hornfelsed zone (R.A. Doherty, 2010).

Pano claim block is underlain by Ordovician to lower Devonian Road River Group consisted of shale, siltstone, argillite, chert, pebble conglomerate as shown on Figure 3.

The following table summarizing simplified stratigraphy and intrusive unit is from R.A.Doherty, 2010.

Table 1. Stratigraphy

CRETACEOUS

mKT	Tombstone Suite	Garnodiorite, Biotite Quartz Monzonite
-----	-----------------	--

TRIASSIC AND JURASSIC

TrJs	Lower Schist
------	--------------

CARBONIFEROUS & PERMIAN

CPo	Keno Hill Quartzite
-----	---------------------

DEVONIAN & MISSISSPIAN

DME	Devonian to Mississippian Earn Group siltstone, sandstone, conglomerate
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ORDOVICIAN-DEVONIAN

ODR	Road River Group	Shale, siltstone, argillite, chert, pebble conglomerate
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UPPER PROTEROZOIC-LOWER PALEOZOIC

PCH	Hyland Group	grey green and maroon shale, sandstone, quartz pebble conglomerate, minor limestone
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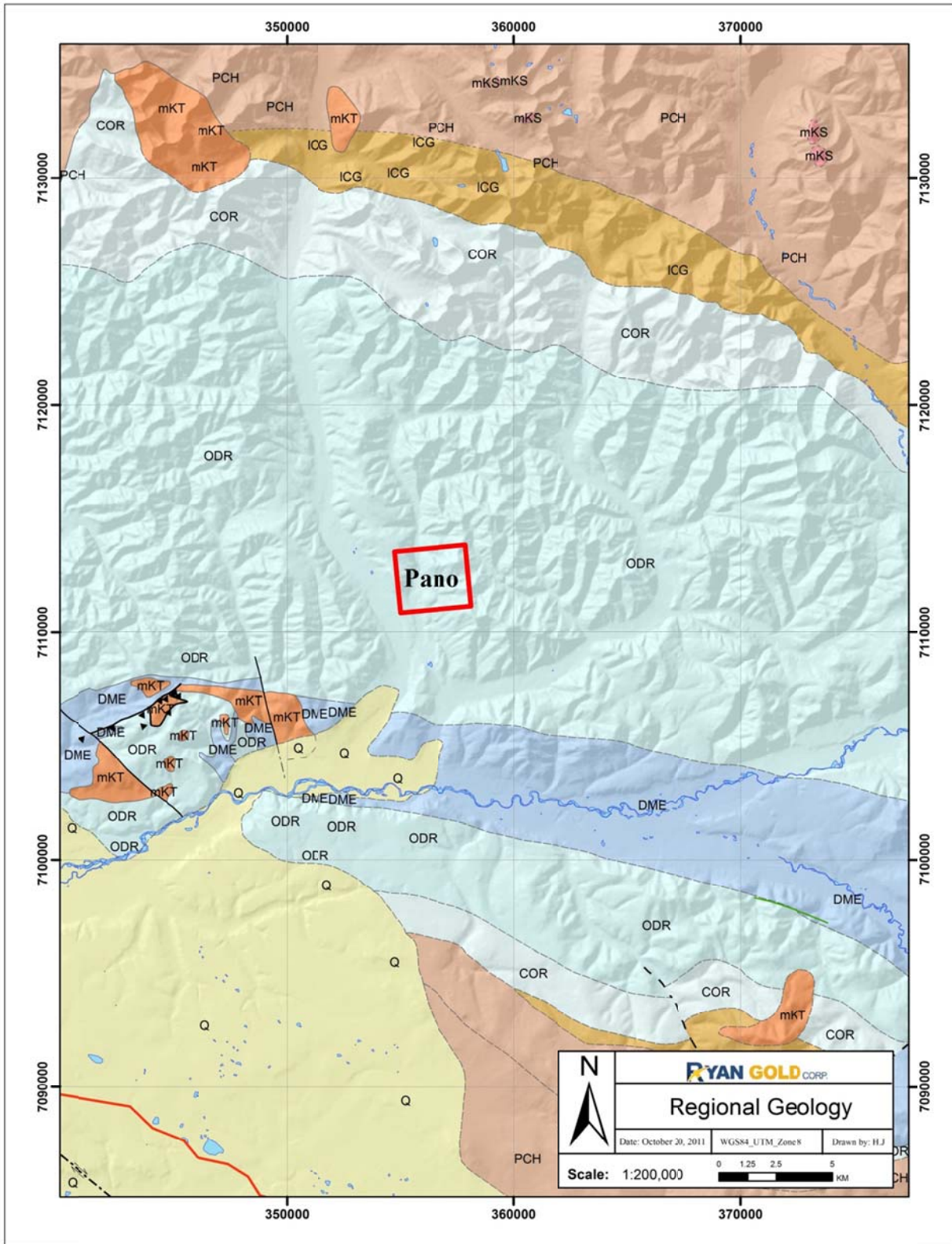


Figure 3. Regional geology map

4. WORK COMPLETED FOR THIS REPORT

A crew of 4 men from Groundtruth Exploration Inc collected 126 soil samples from 6.94 kilometer of soil traverse lines with 50m station spacing on September 4, 2010. The intent of this work is to investigate the regional magnetic high from GSC total magnetic survey (shown on Figure 5) through soil geochemistry survey. The helicopter support was provided by TransNorth Helicopters and the total cost of the program was \$6,684.

4.1 Soil sampling method and analysis

All soil samples were taken with one meter soil probes and sometimes with a prospector pick. Soil samples were gathered from an average depth of 60 centimeter ranging from 20cm to 110cm, majority of which were from C horizon soil. Soil sample locations were clearly marked in the field with pink flagging and aluminum tags. The sample number was inscribed on the aluminum tag and tied to a tree or shrub at shoulder height above sample site. The coordinates of sample location was collected by a Garmin Map76 GPS in UTM NAD 83. Sample description including color, depth, slope, sample quality, ground vegetation, tree cover and GPS coordinates were recorded in a Palm PDA data recorder.

Approximately 400-500 grams of soil was collected from every station spaced 50m apart on the traverse line and stored in kraft soil bags. The sample coordinates from GPS and PDA were downloaded onto crew boss's personal computer every night. A second backup copy of the data was stored on a memory stick which is stored at a secondary tent. All samples were brought back to Dawson City and air dried, repacked in rice bags and sent to ACME labs in Vancouver. Samples are analyzed by Aqua Regia ICP-MS for 36 element (Acme Labs 1DX-15 gram).

The sample locations of 126 soil samples collected from 5 soil traverse lines totalling 6.94km on Pano claim group are shown on Figure 5.

4.2 Results and Interpretation

The Au assay values from the 126 Pano soil samples ranged from 1 to 59.1 ppb with median value of 6.2 ppb and upper quartile value ($\geq 25\%$) of 12.4 ppb (Figure 6). Locally higher Au values in soil was identified towards the ridge top at the NE of Pano claim area corresponding to regional mag high area. Some anomalous Au values in soil are also noticed along the ridge southeast of Pano characterized by low magnetic signature.

In addition, locally elevated Arsenic values in soil (Figure 7) and Bismuth values in soil (Figure 8) is spatially correlated with high Au concentration at the regional mag high area. Locally elevated Cu – Zn – Pb in soil is identified along the ridge situated SE of Pano spatially correlated with low magnetic feature.

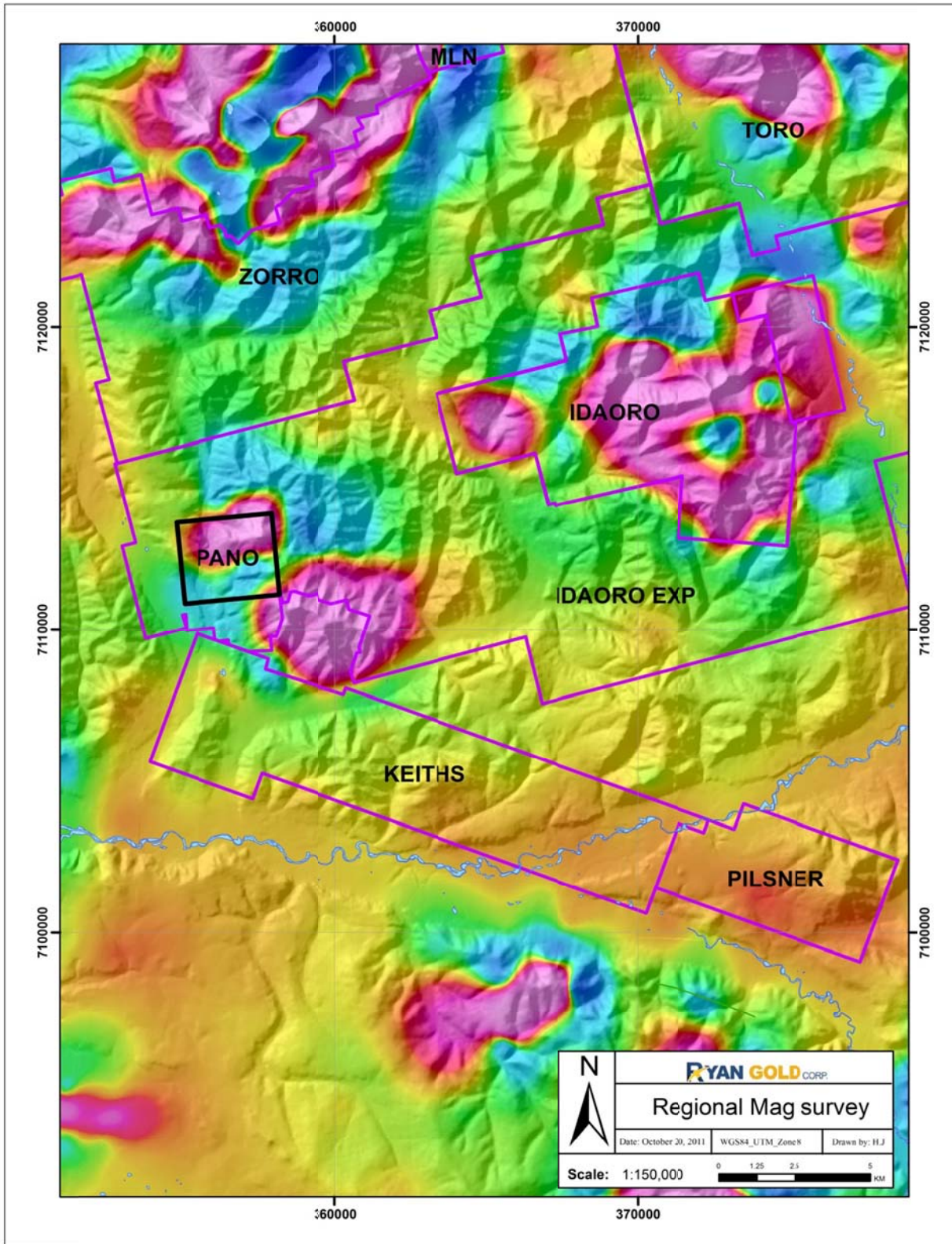


Figure 4. Regional Mag Survey on Pano Claim group

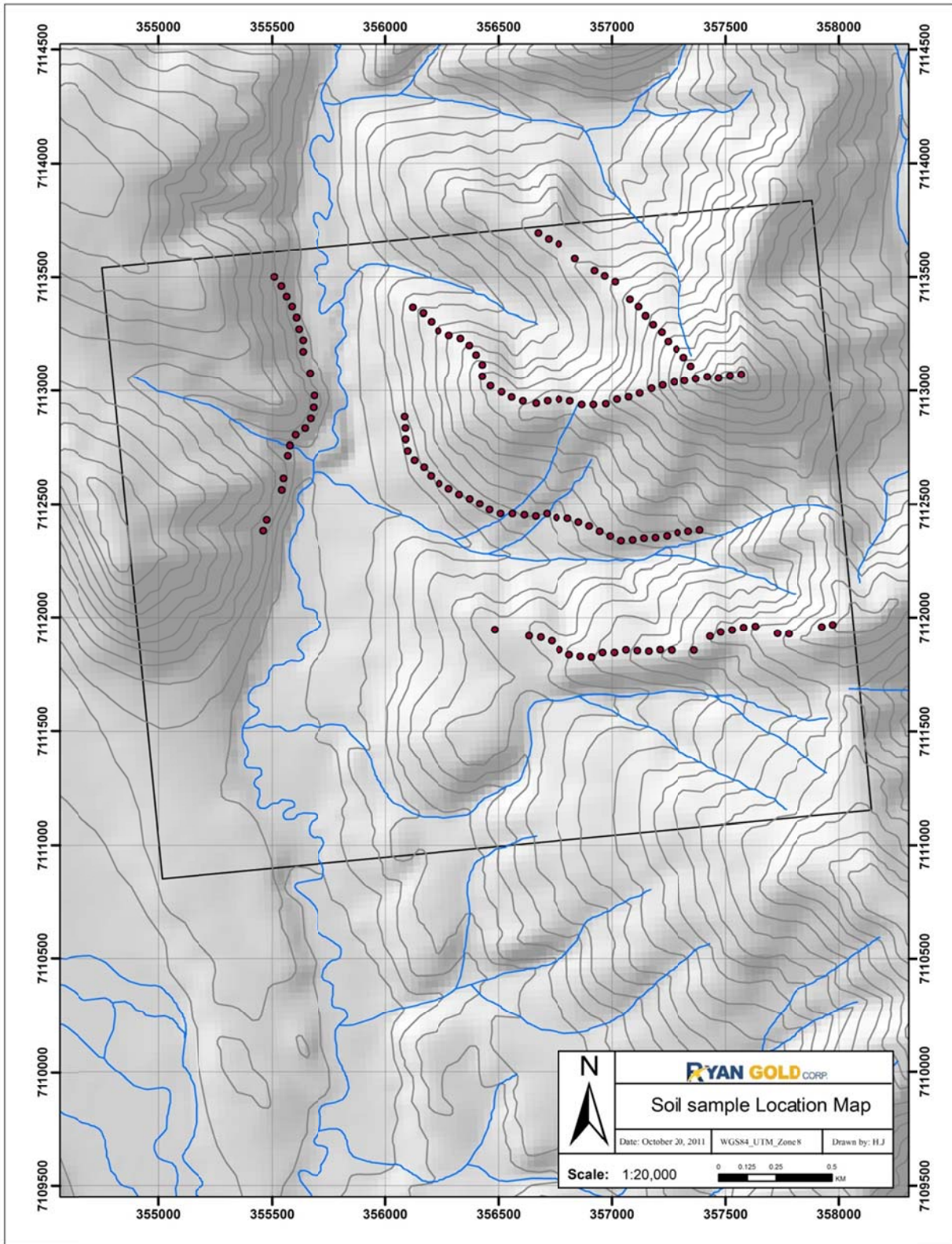


Figure 5. Soil sample location map

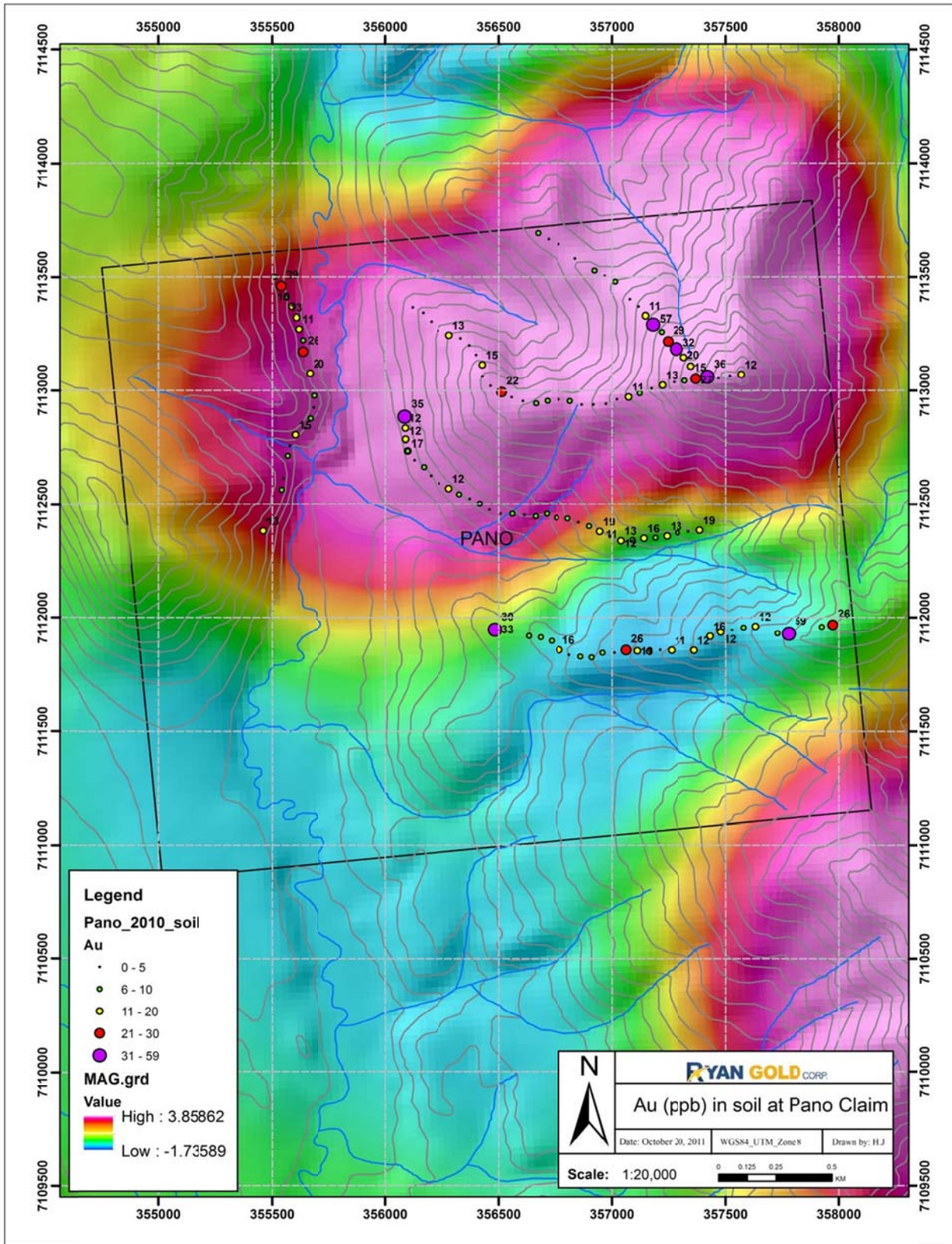


Figure 6. Au (ppb) in soil at Pano Claim

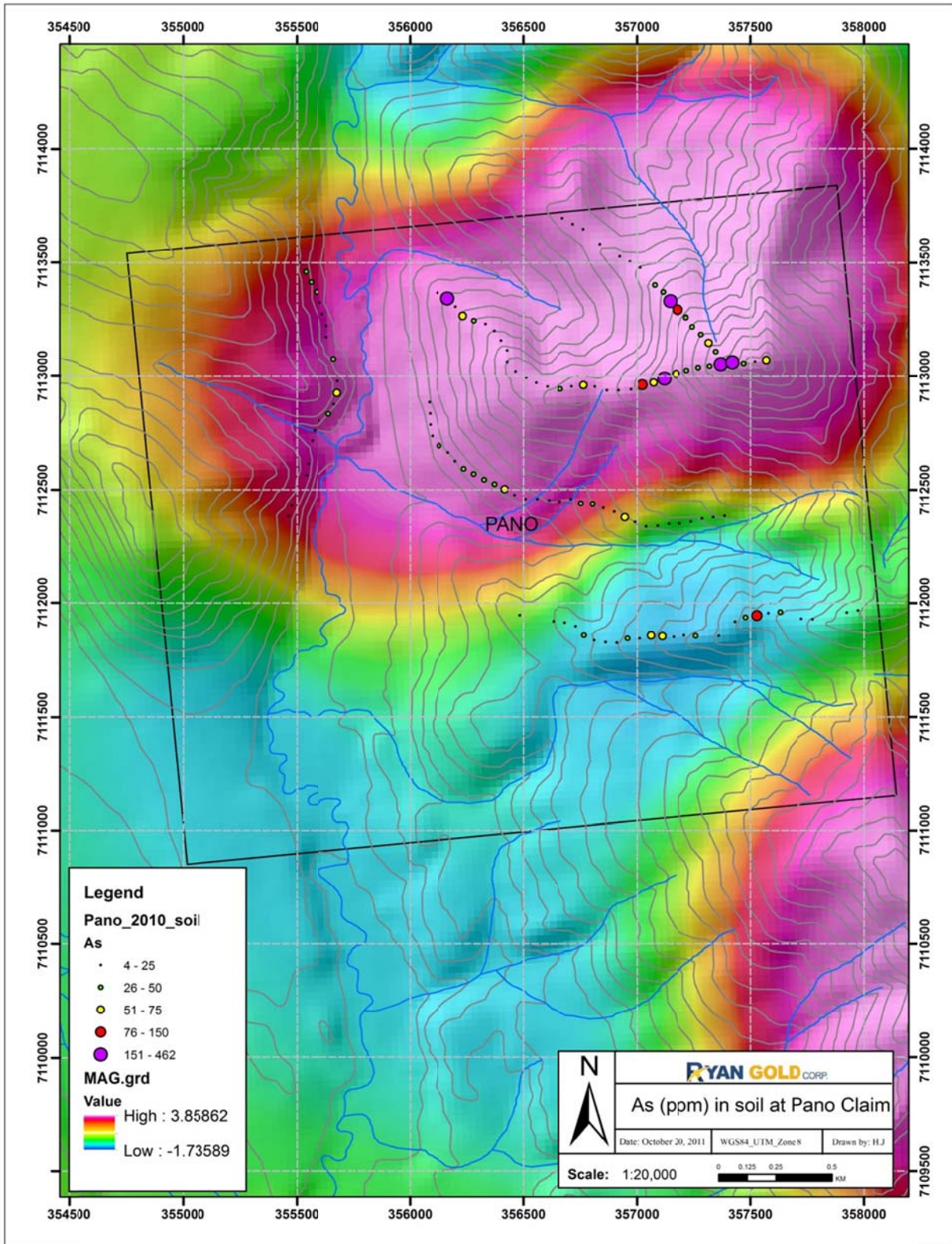


Figure 7. As (ppm) in Soil at Pano claim

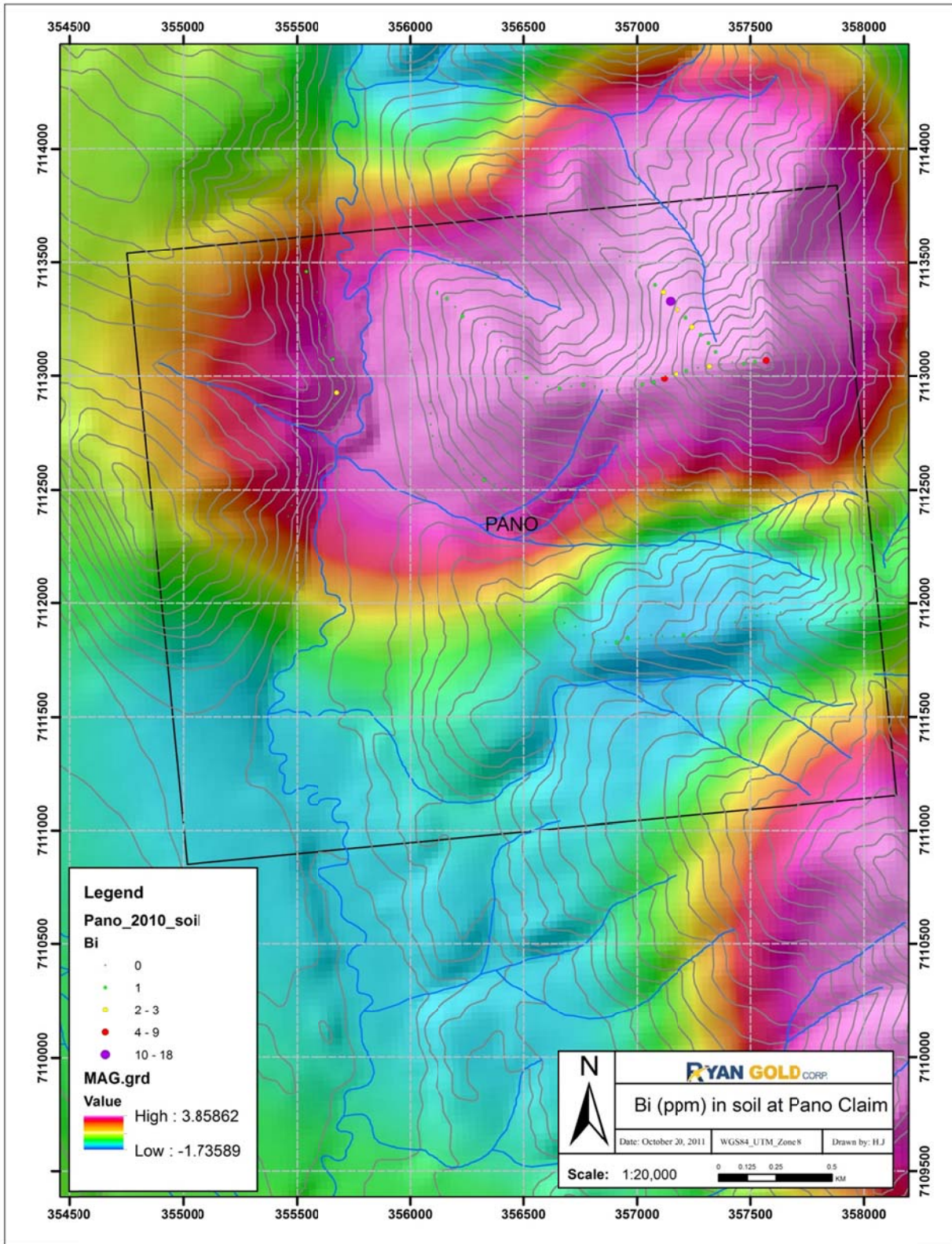


Figure 8. Bi (ppm) in soil at Pano Claim

Generally, negative correlation exists between As-Bi elements and Cu – Zn –Pb elements in soil at the two prominent ridge and spur traverse lines at Pano claim (Figure 9 – Figure 11).

It is noticeable that geochemical zoning occurs at the local scale at Pano claim characterized by enriched Au +As + Bi at the center of the regional magnetic high area and locally enriched Au +Cu + Pb + Zn signature distal to the mag high (showing relatively low magnetic relief).

5. CONCLUSIONS and RECOMMENDATIONS

The 2010 Soil sampling at Pano claim area consisted of five traverse lines; three of which covered ridge and spur on the Pano and two of which is along the contour line above the valley bottom in the northwest of the Pano and along the contact of mag high and mag low in the east of Pano claim. The effort of the soil sampling survey was to investigate the similar multi-element soil geochemistry anomaly that was identified at the Ida Oro claim approximately 12km to the east. The survey successfully identified locally elevated Au-As-Bi values in soil spatially correlated with the regional mag high area. In addition, locally elevated Cu-Pb-Zn values in soil were identified distal to the regional mag high (showing as low magnetic relief) in the SE of Pano.

Further work is recommended for prospecting, rock sampling and geological mapping to investigate the cause of geochemical signature identified from the soil geochemistry survey in particular the ridge top in the east of Pano as well as the mag low in the southeast of Pano. Trenching should also be considered over the anomaly areas if outcrop exposure is poor.

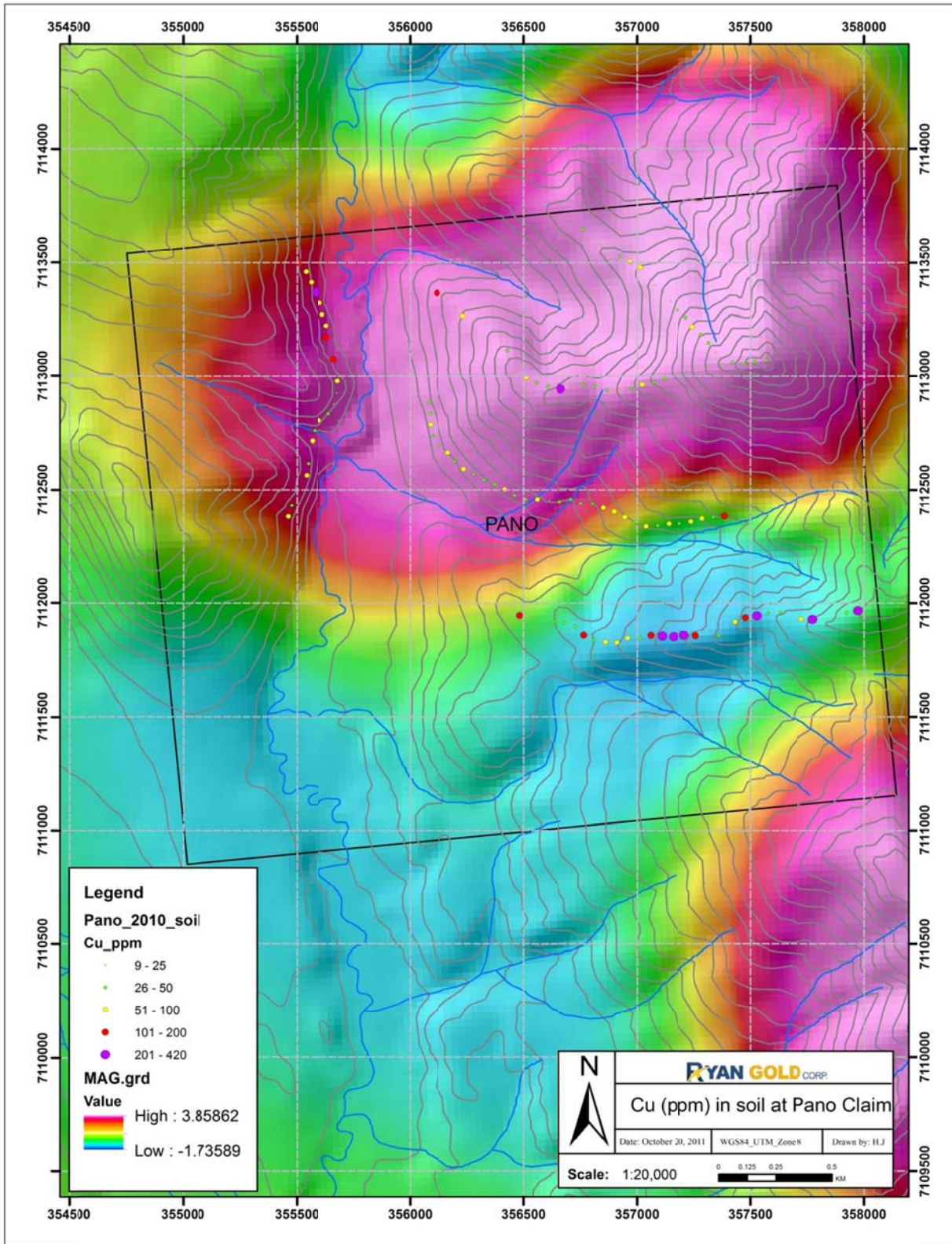


Figure 9. Cu (ppm) in soil at Pano Claim

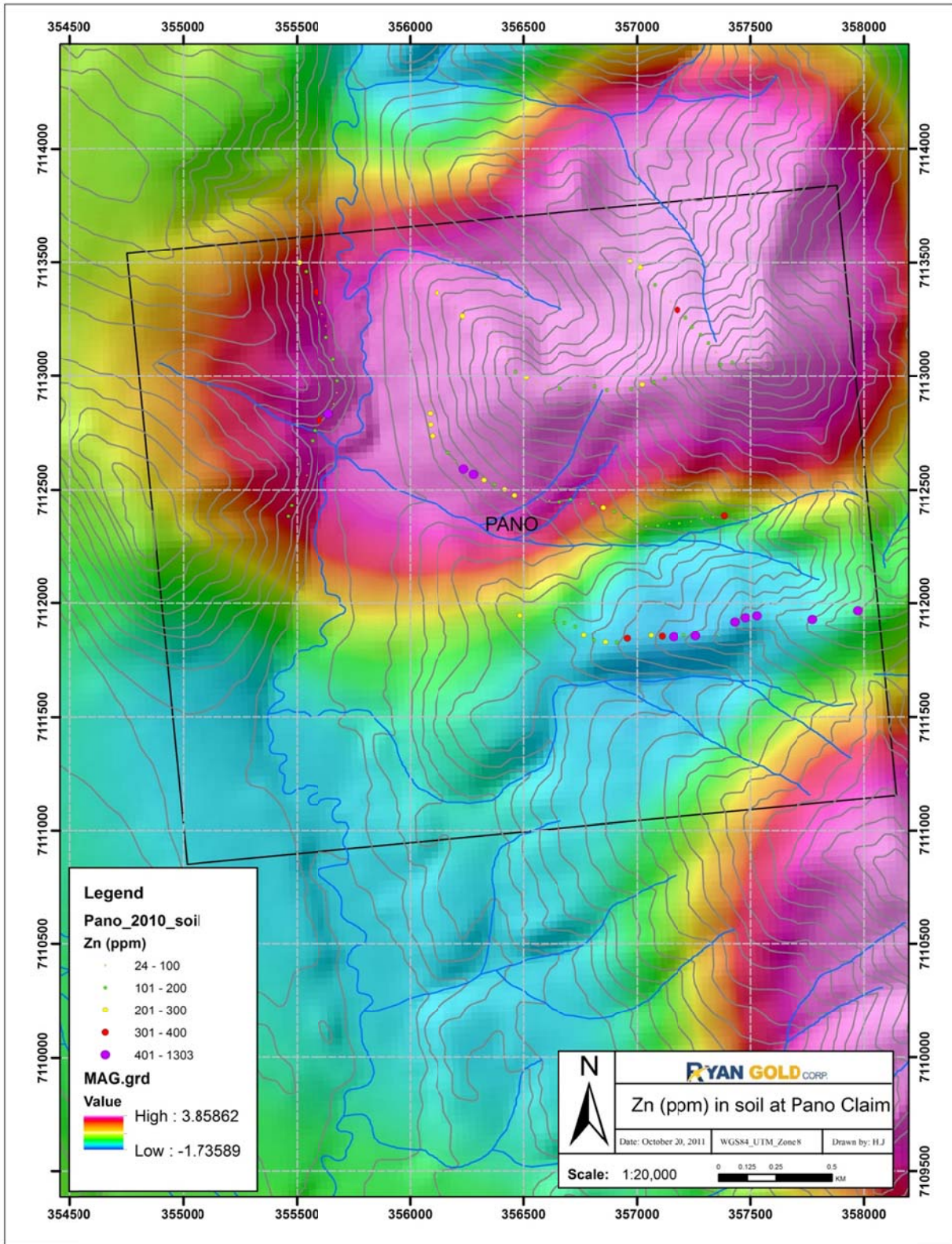


Figure 10. Zn (ppm) in soil at Pano Claim

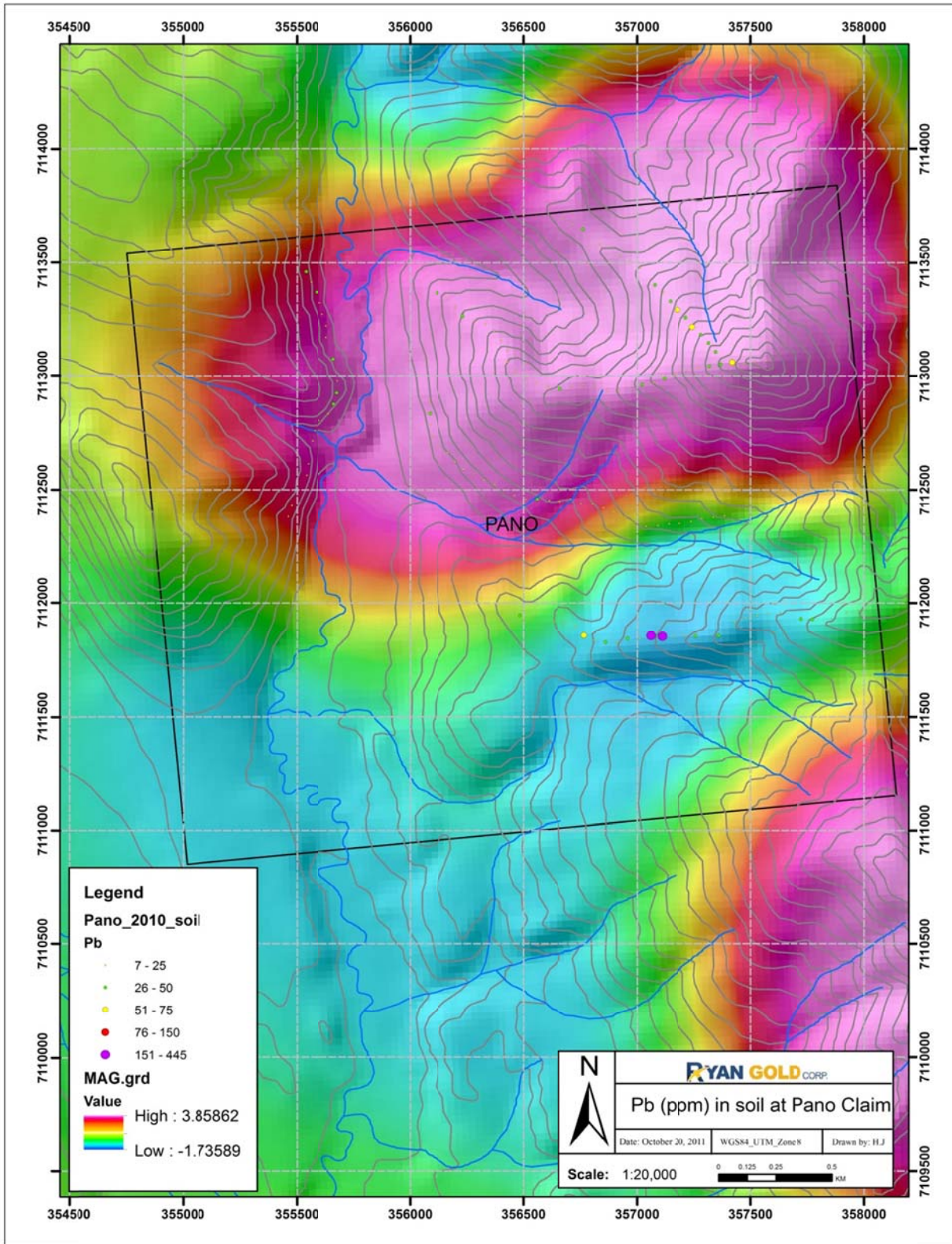


Figure 11. Pb (ppm) in soil at Pano Claim

6. STATEMENT OF COSTS

Table 2: Pano Claim 2010 soil sampling survey costs

Item	Units		Cost/Unit	Cost
Aircraft				
Helicopter	1.6	hour	\$1,150	\$1,840
Personnel				
Soil sampling crew	4	man day	\$330	\$1,320
Analysis				
Soils	126	sample	\$24	\$3,024
Report				\$500
Total				\$6,684

7. STATEMENT OF QUALIFICATIONS

I, Hua Jin, do hereby declare that:

1. I am currently employed as Senior Project Geologist for Ryan Gold Corp. of Suite 600 – 666 Burrard Street, Vancouver, British Columbia V6C 2X8.
2. I am a graduate of the Peking University with a Bachelor of Science Degree (2003) in Earth Science and Master of Science Degree (2005) in Earth Science from the University of Western Ontario.
3. From 2006 to present, I have practised my profession as a geologist in Nunavut and Yukon Territory in Canada, Niamey in Niger and Nevada in United States for 6 years since graduation.

Hua Jin, M.Sc.

8. REFERENCES

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- Poulsen, K.H., Mortensen, J.K. and. Murphy, D.C., 1997: Styles on intrusion-related gold mineralization in the Dawson-Mayo area, Yukon Territory; in Current Research 1997-A; Geological Survey of Canada, pp. 1-10.
- Wheeler, J.O. and McFeely, P., 1991. Tectonic Assemblage Map of the Canadian Cordilleras and Adjacent parts of the United States of America; Geological Survey of Canada, Map 1712A, scale 1:2,000,000

APPENDIX I

Soil Sample Descriptions and Location Data

SampleID	Type	UTM_Easting	UTM_Northing	UTM_Zone	Sample_Date	Primary_Soil colour	Site Slope	Sample_Depth(cm)	Sample_Quality	Horizon	Site Vegetation	Site Cover	Note1	Note2	Note3
IDA112496	Soil	356685	7111913	08W	04/09/2010	Chocolate Brown	Subtle Slope	70	Good	C	Old Burn	Bare Soil	Coarse	Wet Soil	
IDA112497	Soil	356633	7111919	08W	04/09/2010	Chocolate Brown	Flat	50	Good	C	Old Burn	Bare Soil	Fine	Wet Soil	
IDA112500	REP	356484	7111946	08W	04/09/2010	Reddish Yellow	Subtle Slope	70	Excellent	C	Old Burn	Bare Soil	Coarse	Sand	
IDA112500	Soil	356484	7111946	08W	04/09/2010	Reddish Yellow	Subtle Slope	70	Excellent	C	Old Burn	Bare Soil	Coarse	Sand	
IDA128110	Soil	355510	7113500	08W	04/09/2010	Dark Grey Black	Steep	50	Good	C	Old Burn	Burnt Moss	Rocky		
IDA146016	Soil	357348	7113107	08W	04/09/2010	Chocolate Brown	Subtle Slope	50	Good	B	Buckbrush	Sphagnum Moss < 30cm	Fine		
IDA146017	Soil	357317	7113146	08W	04/09/2010	Chocolate Brown	Subtle Slope	50	Good	B	Buckbrush	Sphagnum Moss < 30cm	Coarse		
IDA146018	Soil	357283	7113183	08W	04/09/2010	Chocolate Brown	Subtle Slope	50	Good	B	Buckbrush	Sphagnum Moss < 30cm	Coarse		
IDA146019	Soil	357245	7113217	08W	04/09/2010	Chocolate Brown	Subtle Slope	50	Good	B	Buckbrush	Sphagnum Moss < 30cm	Fine		
IDA146020	Soil	357217	7113258	08W	04/09/2010	Chocolate Brown	Subtle Slope	50	Good	B	Buckbrush	Sphagnum Moss < 30cm	Fine		
IDA146021	Soil	357179	7113291	08W	04/09/2010	Chocolate Brown	Subtle Slope	50	Good	B	Buckbrush	Sphagnum Moss < 30cm	Coarse		
IDA146022	Soil	357146	7113329	08W	04/09/2010	Chocolate Brown	Subtle Slope	50	Good	B	Buckbrush	Sphagnum Moss < 30cm	Fine		
IDA146023	Soil	357115	7113369	08W	04/09/2010	Chocolate Brown	Subtle Slope	50	Poor	B	Buckbrush	Sphagnum Moss < 30cm	Fine	Organic 25%	
IDA146024	Soil	357078	7113401	08W	04/09/2010	Chocolate Brown	Subtle Slope	50	Good	B	Buckbrush	Sphagnum Moss < 30cm	Coarse	Rocky	
IDA146026	Soil	357014	7113479	08W	04/09/2010	Chocolate Brown	Subtle Slope	40	Good	B	Buckbrush	Sphagnum Moss < 30cm	Fine		
IDA146027	Soil	356969	7113505	08W	04/09/2010	Chocolate Brown	Subtle Slope	50	Good	B	Buckbrush	Sphagnum Moss < 30cm	Coarse	Rocky	
IDA146028	Soil	356925	7113528	08W	04/09/2010	Chocolate Brown	Subtle Slope	60	Good	B	Buckbrush	Sphagnum Moss < 30cm	Coarse	Rocky	
IDA146030	Soil	356839	7113582	08W	04/09/2010	Reddish Orange	Subtle Slope	50	Good	B	Buckbrush	Sphagnum Moss < 30cm	Coarse	Rocky	
IDA146032	Soil	356766	7113648	08W	04/09/2010	Chocolate Brown	Subtle Slope	50	Excellent	C	Buckbrush	Sphagnum Moss < 30cm	Coarse	Rocky	
IDA146034	Soil	356720	7113670	08W	04/09/2010	Reddish Brown	Subtle Slope	50	Good	B	Buckbrush	Bare Soil	Clay		
IDA146035	Soil	356674	7113696	08W	04/09/2010	Reddish Brown	Subtle Slope	50	Good	B	Buckbrush	Sphagnum Moss < 30cm	Clay		
IDA146151	Soil	357120	7112988	08W	04/09/2010	Chocolate Brown	Steep	50	Good	C	Old Burn	Bare Soil	Coarse		
IDA146152	Soil	357072	7112971	08W	04/09/2010	Chocolate Brown	Steep	50	Good	C	Old Burn	Bare Soil	Coarse		
IDA146153	Soil	357022	7112961	08W	04/09/2010	Chocolate Brown	Steep	90	Excellent	C	Old Burn	Bare Soil	Coarse		
IDA146154	Soil	356974	7112941	08W	04/09/2010	Chocolate Brown	Steep	40	Excellent	C	Old Burn	Bare Soil	Coarse		
IDA146155	Soil	356920	7112937	08W	04/09/2010	Chocolate Brown	Steep	30	Good	C	Old Burn	Bare Soil	Coarse		
IDA146156	Soil	356869	7112937	08W	04/09/2010	Chocolate Brown	Steep	30	Excellent	C	Old Burn	Bare Soil	Coarse	Rocky	
IDA146157	Soil	356817	7112953	08W	04/09/2010	Chocolate Brown	Steep	30	Excellent	C	Old Burn	Grass Cover	Coarse		
IDA146158	Soil	356767	7112960	08W	04/09/2010	Chocolate Brown	Steep	40	Good	C	Old Burn	Bare Soil	Coarse	Rocky	
IDA146159	Soil	356715	7112954	08W	04/09/2010	Chocolate Brown	Steep	50	Good	C	Old Burn	Bare Soil	Coarse	Rocky	
IDA146160	Soil	356665	7112943	08W	04/09/2010	Chocolate Brown	Steep	30	Good	C	Old Burn	Bare Soil	Coarse	Rocky	
IDA146161	Soil	356606	7112953	08W	04/09/2010	Chocolate Brown	Steep	40	Good	C	Birch Forest	Sphagnum Moss < 30cm	Coarse	Rocky	
IDA146162	Soil	356557	7112970	08W	04/09/2010	Light Brown	Steep	30	Good	C	Birch Forest	Bare Soil	Fine		
IDA146163	Soil	356513	7112993	08W	04/09/2010	Reddish Orange	Pronounced S	50	Excellent	C	Birch Forest	Thin Moss Cover	Fine		
IDA146164	Soil	356465	7113020	08W	04/09/2010	Light Brown	Pronounced S	50	Good	C	Old Burn	Bare Soil	Fine		
IDA146165	Soil	356429	7113062	08W	04/09/2010	Chocolate Brown	Steep	30	Good	C	Buckbrush	Thin Moss Cover	Fine		
IDA146166	Soil	356429	7113113	08W	04/09/2010	Chocolate Brown	Steep	40	Good	C	Buckbrush	Thin Moss Cover	Coarse		
IDA146167	Soil	356402	7113157	08W	04/09/2010	Chocolate Brown	Steep	40	Poor	C	Buckbrush	Reindeer Moss	Coarse	N/A	
IDA146168	Soil	356373	7113199	08W	04/09/2010	Chocolate Brown	Steep	40	Excellent	C	Buckbrush	Bare Soil	Coarse		

IDA146169	Soil	356334	7113230	08W	04/09/2010	Chocolate Brown	Steep	30	Good	C	Buckbrush	Bare Soil	Coarse		
IDA146170	Soil	356283	7113244	08W	04/09/2010	Chocolate Brown	Pronounced S	30	Good	C	Buckbrush	Bare Soil	Coarse	Rocky	
IDA146171	Soil	356234	7113264	08W	04/09/2010	Reddish Yellow	Pronounced S	30	Excellent	C	Buckbrush	Bare Soil	Coarse		
IDA146172	Soil	356202	7113304	08W	04/09/2010	Light Brown	Pronounced S	30	Poor	C	Birch Forest	Bare Soil	Coarse	Rocky	
IDA146173	Soil	356166	7113341	08W	04/09/2010	Light Brown	Pronounced S	30	Excellent	C	Birch Forest	Bare Soil	Coarse		
IDA146174	Soil	356120	7113366	08W	04/09/2010	Light Brown	Pronounced S	30	Good	C	Birch Forest	Bare Soil	Coarse	Rocky	
IDA146231	Soil	357569	7113070	08W	04/09/2010	Chocolate Brown	Steep	70	Good	C	No Tree Cov	Rock Cover	Rocky	Coarse	
IDA146232	Soil	357520	7113064	08W	04/09/2010	Dark Grey Black	Steep	20	Good	B	No Tree Cov	Grass Cover	Fine		
IDA146233	Soil	357470	7113055	08W	04/09/2010	Chocolate Brown	Steep	30	Good	C	No Tree Cov	Bare Soil	Coarse		
IDA146234	Soil	357421	7113060	08W	04/09/2010	Chocolate Brown	Steep	30	Good	C	No Tree Cov	Rock Cover	Coarse		
IDA146235	Soil	357370	7113052	08W	04/09/2010	Chocolate Brown	Steep	30	Good	C	No Tree Cov	Rock Cover	Coarse	Transported Soil	
IDA146236	Soil	357321	7113043	08W	04/09/2010	Chocolate Brown	Steep	30	Good	C	Old Burn	Rock Cover	Coarse		
IDA146237	Soil	357271	7113037	08W	04/09/2010	Dark Brown	Steep	30	Poor	C	Old Burn	Rock Cover	Fine		
IDA146238	Soil	357220	7113024	08W	04/09/2010	Chocolate Brown	Steep	30	Good	C	Old Burn	Rock Cover	Fine		
IDA146239	Soil	357172	7113009	08W	04/09/2010	Chocolate Brown	Steep	30	Excellent	C	Old Burn	Rock Cover	Coarse		
IDA150201	Soil	355540	7113460	08W	04/09/2010	Dark Grey Black	Steep	70	Good	C	Old Burn	Burnt Moss	Rocky		
IDA150202	Soil	355563	7113413	08W	04/09/2010	Dark Grey Black	Steep	50	Poor	B	Old Burn	Burnt Moss	Wet Soil	Possible Cre	Organic 25%
IDA150203	Soil	355587	7113369	08W	04/09/2010	Dark Grey Black	Steep	70	Excellent	C	Old Burn	Burnt Moss	Rocky		
IDA150204	Soil	355606	7113322	08W	04/09/2010	Light Brown	Steep	60	Good	C	Old Burn	Burnt Moss	Rocky		
IDA150206	Soil	355617	7113271	08W	04/09/2010	Dark Grey Black	Pronounced S	60	Poor	B	Old Burn	Burnt Moss	Wet Soil		
IDA150207	Soil	355635	7113222	08W	04/09/2010	Dark Grey Black	Pronounced S	60	Poor	B	Old Burn	Burnt Moss	Wet Soil	Mud	
IDA150208	Soil	355635	7113171	08W	04/09/2010	Dark Grey Black	Pronounced S	60	Good	C	Old Burn	Burnt Moss	Wet Soil	Rocky	
IDA150209	Soil	355666	7113075	08W	04/09/2010	Light Brown	Pronounced S	60	Good	C	Black Spruce	Grass Cover	Rocky		
IDA150210	Soil	355684	7112977	08W	04/09/2010	Dark Brown	Pronounced S	60	Poor	B	Black Spruce	Burnt Moss	Rocky	Wet Soil	
IDA150211	Soil	355681	7112925	08W	04/09/2010	Reddish Orange	Steep	60	Good	C	Black Spruce	Burnt Moss	Coarse	Top of Cliff	
IDA150212	Soil	355668	7112876	08W	04/09/2010	Reddish Orange	Steep	60	Good	C	Old Burn	Burnt Moss	Coarse		
IDA150213	Soil	355644	7112833	08W	04/09/2010	Light Brown	Steep	60	Good	C	Old Burn	Burnt Moss	Coarse		
IDA150214	Soil	355602	7112804	08W	04/09/2010	Light Brown	Steep	60	Good	C	Old Burn	Burnt Moss	Rocky		
IDA150215	Soil	355578	7112759	08W	04/09/2010	Chocolate Brown	Steep	60	Good	C	Old Burn	Burnt Moss	Rocky		
IDA150216	Soil	355568	7112714	08W	04/09/2010	Reddish Brown	Steep	60	Good	C	Old Burn	Burnt Moss	Coarse		
IDA150218	Soil	355550	7112615	08W	04/09/2010	Reddish Brown	Steep	60	Good	C	Old Burn	Burnt Moss	Coarse		
IDA150219	REP	355542	7112564	08W	04/09/2010	Reddish Brown	Steep	90	Good	C	Old Burn	Burnt Moss	Coarse	Rocky	
IDA150219	Soil	355542	7112564	08W	04/09/2010	Reddish Brown	Steep	90	Good	C	Old Burn	Burnt Moss	Coarse	Rocky	
IDA150222	Soil	355477	7112430	08W	04/09/2010	Reddish Brown	Steep	60	Poor	C	Old Burn	Burnt Moss	Rocky		
IDA150223	Soil	355462	7112382	08W	04/09/2010	Grey	Steep	80	Good	C	Old Burn	Burnt Moss	Rocky		
IDA150251	Soil	356854	7112420	08W	04/09/2010	Chocolate Brown	Steep	60	Poor	B	Old Burn	Burnt Moss	Rocky		
IDA150252	Soil	356807	7112437	08W	04/09/2010	Chocolate Brown	Pronounced S	80	Excellent	C	Old Burn	Grass Cover	Rocky	Coarse	Wet Soil
IDA150253	Soil	356756	7112440	08W	04/09/2010	Chocolate Brown	Pronounced S	90	Excellent	C	Old Burn	Grass Cover	Coarse	Mud	
IDA150254	Soil	356712	7112458	08W	04/09/2010	Dark Brown	Pronounced S	110	Good	B	Old Burn	Grass Cover	Fine		
IDA150255	Soil	356663	7112447	08W	04/09/2010	Chocolate Brown	Steep	70	Good	C	Old Burn	Burnt Moss	Coarse	Mud	
IDA150256	Soil	356613	7112453	08W	04/09/2010	Chocolate Brown	Steep	50	Poor	C	Old Burn	Burnt Moss	Coarse	Mud	Rocky
IDA150257	Soil	356561	7112458	08W	04/09/2010	Chocolate Brown	Pronounced S	60	Excellent	C	Old Burn	Burnt Moss	Coarse	Rocky	

IDA150258	Soil	356509	7112458	08W	04/09/2010	Chocolate Brown	Steep	60	Good	C	Old Burn	Burnt Moss	Coarse	Rocky	
IDA150259	Soil	356461	7112476	08W	04/09/2010	Chocolate Brown	Steep	50	Excellent	C	Old Burn	Burnt Moss	Coarse	Rocky	
IDA150260	Soil	356418	7112502	08W	04/09/2010	Light Brown	Pronounced S	100	Excellent	C	Old Burn	Burnt Moss	Coarse	Wet Soil	
IDA150261	Soil	356374	7112524	08W	04/09/2010	Light Brown	Pronounced S	90	Excellent	C	Old Burn	Burnt Moss	Coarse	Mud	
IDA150262	Soil	356328	7112544	08W	04/09/2010	Light Brown	Pronounced S	80	Excellent	C	Old Burn	Burnt Moss	Coarse	Mud	
IDA150263	Soil	356282	7112569	08W	04/09/2010	Reddish Brown	Pronounced S	60	Excellent	C	Old Burn	Burnt Moss	Coarse	Rocky	
IDA150263	REP	356282	7112569	08W	04/09/2010	Reddish Brown	Pronounced S	60	Excellent	C	Old Burn	Burnt Moss	Coarse	Rocky	
IDA150264	Soil	356238	7112592	08W	04/09/2010	Chocolate Brown	Pronounced S	80	Excellent	C	Old Burn	Grass Cover	Coarse	Rocky	
IDA150265	Soil	356200	7112626	08W	04/09/2010	Light Brown	Pronounced S	70	Good	C	Old Burn	Burnt Moss	Coarse	Mud	Rocky
IDA150266	Soil	356169	7112664	08W	04/09/2010	Chocolate Brown	Pronounced S	50	Excellent	C	Old Burn	Burnt Moss	Coarse	Rocky	
IDA150267	Soil	356128	7112694	08W	04/09/2010	Chocolate Brown	Pronounced S	80	Good	C	Old Burn	Burnt Moss	Coarse	Mud	Rocky
IDA150268	REP	356098	7112735	08W	04/09/2010	Light Brown	Pronounced S	90	Poor	C	Old Burn	Grass Cover	Coarse	Mud	
IDA150268	Soil	356098	7112735	08W	04/09/2010	Light Brown	Pronounced S	90	Poor	C	Old Burn	Grass Cover	Coarse	Mud	
IDA150269	Soil	356089	7112785	08W	04/09/2010	Chocolate Brown	Pronounced S	80	Good	C	Old Burn	Grass Cover	Coarse	Rocky	
IDA150270	Soil	356088	7112834	08W	04/09/2010	Chocolate Brown	Pronounced S	90	Excellent	C	Old Burn	Grass Cover	Coarse	Wet Soil	
IDA150271	Soil	356085	7112884	08W	04/09/2010	Chocolate Brown	Pronounced S	70	Good	C	Old Burn	Grass Cover	Coarse	Rocky	
IDA150408	Soil	357974	7111967	08W	04/09/2010	Chocolate Brown	Subtle Slope	80	Good	C	Old Burn	Burnt Moss	Coarse	Rocky	
IDA150409	Soil	357926	7111958	08W	04/09/2010	Chocolate Brown	Flat	50	Good	C	Old Burn	Burnt Moss	Coarse	Rocky	
IDA150412	Soil	357777	7111928	08W	04/09/2010	Chocolate Brown	Subtle Slope	50	Good	C	Old Burn	Rock Cover	Coarse	Rocky	
IDA150413	Soil	357727	7111930	08W	04/09/2010	Dark Brown	Subtle Slope	70	Excellent	C	Old Burn	Burnt Moss	Coarse		
IDA150415	Soil	357631	7111960	08W	04/09/2010	Dark Grey Black	Subtle Slope	70	Excellent	C	Dwarf Birch	Thin Moss Cover	Coarse		
IDA150416	Soil	357579	7111955	08W	04/09/2010	Chocolate Brown	Subtle Slope	70	Good	C	Dwarf Birch	Thin Moss Cover	Coarse	Rocky	Wet Soil
IDA150418	Soil	357529	7111944	08W	04/09/2010	Dark Grey Black	Subtle Slope	110	Excellent	C	Old Burn	Thin Moss Cover	DUPLICATE	Coarse	
IDA150419	Soil	357479	7111936	08W	04/09/2010	Dark Brown	Subtle Slope	70	Excellent	C	Old Burn	Bare Soil	Coarse	Rocky	
IDA150420	Soil	357433	7111917	08W	04/09/2010	Dark Brown	Flat	90	Excellent	C	Old Burn	Thin Moss Cover	Coarse		
IDA150422	Soil	357362	7111855	08W	04/09/2010	Dark Grey Black	Flat	110	Excellent	C	Old Burn	Burnt Moss	Fine		
IDA150424	Soil	357260	7111855	08W	04/09/2010	Reddish Yellow	Subtle Slope	50	Good	C	Old Burn	Rock Cover	Coarse	Rocky	
IDA150425	Soil	357209	7111857	08W	04/09/2010	Reddish Yellow	Subtle Slope	40	Excellent	C	Old Burn	Bare Soil	Coarse	Rocky	
IDA150426	Soil	357160	7111850	08W	04/09/2010	Reddish Yellow	Subtle Slope	80	Excellent	C	Old Burn	Bare Soil	Coarse	Sand	
IDA150427	Soil	357110	7111853	08W	04/09/2010	Dark Grey Black	Flat	80	Excellent	C	Old Burn	Bare Soil	Coarse		
IDA150428	Soil	357061	7111856	08W	04/09/2010	Chocolate Brown	Flat	80	Excellent	C	Old Burn	Bare Soil	Coarse		
IDA150429	Soil	357011	7111844	08W	04/09/2010	Reddish Yellow	Flat	60	Good	C	Old Burn	Bare Soil	Fine	Wet Soil	
IDA150430	Soil	356959	7111844	08W	04/09/2010	Reddish Yellow	Subtle Slope	60	Excellent	C	Old Burn	Bare Soil	Coarse		
IDA150431	Soil	356912	7111824	08W	04/09/2010	Chocolate Brown	Subtle Slope	90	Good	C	Old Burn	Bare Soil	Fine	Wet Soil	
IDA150432	Soil	356863	7111827	08W	04/09/2010	Chocolate Brown	Subtle Slope	60	Good	C	Old Burn	Bare Soil	Coarse	Wet Soil	
IDA150433	Soil	356814	7111835	08W	04/09/2010	Chocolate Brown	Subtle Slope	40	Good	C	Old Burn	Bare Soil	Coarse		
IDA150434	Soil	356769	7111857	08W	04/09/2010	Chocolate Brown	Subtle Slope	60	Good	C	Old Burn	Bare Soil	Coarse	Wet Soil	
IDA150435	Soil	356733	7111897	08W	04/09/2010	Chocolate Brown	Subtle Slope	50	Good	C	Old Burn	Bare Soil	Coarse	Wet Soil	
IDA158489	Soil	357387	7112385	08W	04/09/2010	Chocolate Brown	Steep	80	Excellent	C	Old Burn	Burnt Moss	Coarse	Rocky	
IDA158490	Soil	357337	7112379	08W	04/09/2010	Chocolate Brown	Steep	70	Good	C	Old Burn	Burnt Moss	Coarse	Rocky	Wet Soil
IDA158491	Soil	357288	7112373	08W	04/09/2010	Chocolate Brown	Steep	80	Excellent	C	Old Burn	Burnt Moss	Coarse	Rocky	

IDA158492	Soil	357240	7112359	08W	04/09/2010	Dark Brown	Pronounced S	80	Good	C	Old Burn	Burnt Moss	Coarse		
IDA158493	Soil	357189	7112351	08W	04/09/2010	Dark Brown	Pronounced S	70	Good	B	Old Burn	Burnt Moss	Fine	Mud	
IDA158494	Soil	357139	7112349	08W	04/09/2010	Chocolate Brown	Steep	80	Good	C	Old Burn	Burnt Moss	Rocky	Outcrop Ne	Wet Soil
IDA158495	Soil	357090	7112341	08W	04/09/2010	Chocolate Brown	Steep	70	Good	C	Old Burn	Burnt Moss	Rocky	Mud	
IDA158496	Soil	357039	7112338	08W	04/09/2010	Chocolate Brown	Steep	80	Good	C	Old Burn	Burnt Moss	Rocky	Coarse	
IDA158497	Soil	357039	7112338	08W	04/09/2010	Chocolate Brown	Steep	80	Good	C	Old Burn	Burnt Moss	DUPLICATE		
IDA158497	REP	357039	7112338	08W	04/09/2010	Chocolate Brown	Steep	80	Good	C	Old Burn	Burnt Moss	DUPLICATE		
IDA158498	Soil	356992	7112358	08W	04/09/2010	Chocolate Brown	Steep	70	Poor	B	Old Burn	Burnt Moss	Mud	Rocky	Outcrop Ne:
IDA158499	Soil	356947	7112379	08W	04/09/2010	Dark Brown	Pronounced S	110	Excellent	C	Old Burn	Burnt Moss	Coarse	Rocky	
IDA158500	Soil	356901	7112403	08W	04/09/2010	Chocolate Brown	Pronounced S	80	Good	C	Old Burn	Burnt Moss	Coarse	Rocky	

APPENDIX II

Assay Results (ACME Analytical Lab Certificates)



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

Submitted By: Email Distribution
Receiving Lab: Canada-Whitehorse
Received: September 03, 2010
Report Date: October 01, 2010
Page: 1 of 9

CERTIFICATE OF ANALYSIS

WHI10000413.1

CLIENT JOB INFORMATION

Project: IDA
Shipment ID: IDA3
P.O. Number
Number of Samples: 215

SAMPLE DISPOSAL

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

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

Invoice To: Ryan Gold
402 - 905 West Pender St.
Vancouver BC V6C1L6
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	215	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	215	Dry at 60C			WHI
1DX2	215	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



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



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

Project:

IDA

Report Date:

October 01, 2010

Page:

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Part 1

CERTIFICATE OF ANALYSIS

WHI10000413.1

	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
IDA 112394	Soil		1.9	30.0	14.5	82	0.2	23.8	12.0	260	3.53	8.2	0.8	5.0	4.7	12	0.4	1.1	0.2	49	0.10	0.043		
IDA 158467	Soil		1.2	30.2	9.5	81	0.1	24.4	9.2	282	2.29	10.6	0.8	4.6	3.4	24	0.2	1.1	0.2	46	0.28	0.070		
IDA 112390	Soil		2.5	35.7	15.0	88	0.4	21.3	18.1	1535	2.33	5.8	1.8	7.1	3.0	29	0.5	2.0	0.2	41	0.24	0.096		
IDA 146223	Soil		1.3	35.5	13.2	80	0.2	20.7	7.3	153	1.59	7.2	1.1	6.2	3.5	32	0.4	1.5	0.2	42	0.45	0.055		
IDA 156568	Soil		2.4	10.8	14.1	42	<0.1	10.1	4.4	203	3.03	187.4	0.8	2.0	2.3	7	0.1	4.9	0.4	75	0.05	0.025		
IDA 155973	Soil		3.4	84.9	163.7	83	2.0	20.4	7.5	464	3.93	80.5	2.2	12.2	0.3	18	0.5	8.4	1.7	97	0.05	0.122		
IDA 158436	Soil		12.8	84.0	16.9	155	0.5	48.6	13.4	449	3.41	10.8	1.8	16.9	6.5	18	1.0	2.1	0.2	85	0.17	0.092		
IDA 158432	Soil		2.4	69.2	40.9	106	1.4	24.0	6.3	245	4.10	37.5	0.9	3.6	1.6	10	0.4	17.6	0.4	98	0.07	0.062		
IDA 156564	Soil		2.9	92.8	23.4	70	0.2	34.9	14.7	321	3.05	187.4	5.1	14.5	4.1	26	0.2	6.0	1.1	96	0.24	0.112		
IDA 156887	Soil		1.3	15.9	15.2	52	<0.1	18.0	7.7	266	2.73	58.9	1.0	2.3	4.1	12	0.2	2.4	0.5	51	0.10	0.046		
IDA 158435	Soil		1.6	39.1	9.6	80	0.2	24.3	8.2	232	2.09	10.2	0.9	7.7	0.5	19	0.2	1.2	0.2	45	0.24	0.068		
IDA 155972	Soil		3.1	53.6	39.2	76	0.6	19.4	7.0	640	3.35	41.0	1.5	7.0	0.3	15	0.3	3.7	0.5	80	0.05	0.076		
IDA 156892	Soil		1.4	54.3	209.0	115	1.0	26.5	16.0	542	3.00	1019	10.9	16.6	8.6	30	1.3	74.7	4.9	47	0.22	0.082		
IDA 128151	Soil		0.6	25.3	3.2	61	0.2	6.5	1.7	268	0.32	5.4	1.2	1.1	<0.1	141	0.7	2.1	<0.1	6	4.03	0.057		
IDA 128156	Soil		1.2	21.6	10.0	65	0.2	21.3	6.2	138	1.86	20.0	1.0	8.0	1.7	22	0.2	1.3	0.2	48	0.23	0.057		
IDA 128154	Soil		1.7	37.4	10.6	84	0.2	26.5	9.8	315	2.34	45.2	1.3	7.9	3.9	29	0.2	2.6	0.3	55	0.31	0.073		
IDA 128155	Soil		2.4	54.9	9.3	57	0.9	22.5	5.0	184	1.66	48.1	4.1	8.4	0.3	41	0.3	3.8	0.3	43	0.27	0.150		
IDA 156571	Soil		1.5	38.8	25.7	76	0.2	20.3	9.7	310	2.56	320.0	6.1	11.4	2.7	39	0.3	8.1	1.0	53	0.18	0.070		
IDA 156891	Soil		2.4	50.9	40.6	90	0.8	25.6	7.5	346	2.58	254.2	14.6	77.1	2.0	58	0.3	6.8	1.3	53	0.51	0.096		
IDA 155974	Soil		2.4	41.7	133.8	90	1.4	22.7	8.6	381	3.46	52.2	1.6	13.1	1.2	12	0.6	3.9	1.6	76	0.09	0.054		
IDA 156565	Soil		2.1	69.6	15.8	74	0.2	36.0	17.3	528	2.49	235.9	2.7	6.2	7.6	33	0.4	8.4	0.9	64	0.33	0.112		
IDA 156570	Soil		1.6	79.9	24.8	92	0.4	35.6	20.1	509	2.73	942.8	6.3	50.6	7.7	109	0.4	14.8	6.1	55	0.34	0.088		
IDA 155975	Soil		2.0	27.2	54.3	55	1.1	17.5	9.1	566	2.78	82.8	1.6	70.6	0.9	15	0.5	4.3	1.3	65	0.08	0.053		
IDA 155970	Soil		2.4	38.3	17.0	178	0.3	31.7	9.2	367	2.74	111.3	1.8	5.5	0.6	29	0.7	2.8	0.3	101	0.12	0.066		
IDA 155971	Soil		4.1	105.4	151.8	132	2.6	61.5	21.7	466	3.56	62.9	1.8	22.8	4.0	27	0.6	13.8	1.4	63	0.09	0.059		
IDA 156934	Soil		2.3	73.7	35.4	86	0.4	31.1	12.9	423	2.85	279.1	5.7	8.3	9.2	33	0.6	16.9	1.8	61	0.23	0.094		
IDA 128161	Soil		1.7	34.7	11.2	78	0.2	25.0	9.4	216	2.18	20.7	1.1	8.5	3.7	25	0.3	1.7	0.3	53	0.27	0.069		
IDA 156883	Soil		1.7	13.8	18.1	41	<0.1	13.1	6.3	257	3.33	78.5	0.9	2.9	3.8	11	0.2	2.6	0.6	67	0.07	0.031		
IDA 158477	Soil		1.5	34.5	6.7	79	0.3	22.9	7.2	192	1.78	5.6	0.9	9.0	1.0	22	0.3	0.7	0.1	39	0.24	0.074		
IDA 150181	Soil		2.9	38.5	12.0	82	0.5	18.0	16.2	740	2.00	6.4	1.3	5.5	0.9	22	0.8	1.0	0.2	51	0.24	0.086		



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

Project:

IDA

Report Date:

October 01, 2010

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Part 2

CERTIFICATE OF ANALYSIS

WHI10000413.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 112394	Soil	14	29	0.57	237	0.025	3	1.89	0.007	0.07	0.1	0.07	2.5	0.1	<0.05	5	<0.5	<0.2
IDA 158467	Soil	15	31	0.57	320	0.049	2	1.29	0.013	0.05	0.3	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
IDA 112390	Soil	19	35	0.48	424	0.015	3	1.27	0.011	0.09	0.1	0.25	4.0	0.2	<0.05	4	0.6	<0.2
IDA 146223	Soil	14	27	0.49	444	0.018	3	1.21	0.008	0.08	<0.1	0.09	3.1	<0.1	<0.05	4	0.5	<0.2
IDA 156568	Soil	10	26	0.29	50	0.056	2	1.36	0.006	0.03	0.3	0.03	1.6	0.1	<0.05	8	<0.5	<0.2
IDA 155973	Soil	12	44	0.27	287	0.021	2	1.34	0.011	0.11	<0.1	0.09	0.8	0.3	0.06	6	1.8	<0.2
IDA 158436	Soil	31	29	0.96	390	0.013	7	1.81	0.006	0.20	<0.1	0.18	5.3	0.2	<0.05	5	1.2	<0.2
IDA 158432	Soil	11	34	0.26	90	0.038	<1	1.21	0.007	0.05	0.2	0.07	2.1	0.2	<0.05	6	0.6	<0.2
IDA 156564	Soil	21	42	0.77	171	0.075	2	1.94	0.015	0.11	0.6	0.07	3.6	0.3	<0.05	6	0.8	<0.2
IDA 156887	Soil	12	29	0.38	86	0.050	2	1.83	0.009	0.04	0.3	0.06	2.2	0.1	<0.05	5	<0.5	<0.2
IDA 158435	Soil	16	28	0.44	307	0.016	2	1.40	0.008	0.05	0.2	0.07	1.4	0.1	<0.05	4	<0.5	<0.2
IDA 155972	Soil	11	35	0.26	185	0.031	2	1.25	0.008	0.07	<0.1	0.07	0.8	0.2	<0.05	6	0.6	<0.2
IDA 156892	Soil	22	30	0.55	175	0.044	3	1.89	0.013	0.08	1.4	0.33	3.0	0.3	<0.05	5	0.7	0.4
IDA 128151	Soil	2	7	0.31	348	0.006	9	0.20	0.019	0.01	<0.1	0.09	0.3	<0.1	0.09	<1	2.5	<0.2
IDA 128156	Soil	15	29	0.48	268	0.036	1	1.33	0.011	0.05	0.3	0.07	2.3	<0.1	<0.05	4	<0.5	<0.2
IDA 128154	Soil	16	34	0.63	336	0.061	2	1.49	0.014	0.06	0.3	0.06	3.6	0.1	<0.05	4	0.5	0.3
IDA 128155	Soil	10	44	0.25	885	0.010	4	1.09	0.018	0.07	0.1	0.46	0.9	0.3	<0.05	4	1.4	<0.2
IDA 156571	Soil	18	29	0.47	151	0.051	2	1.57	0.013	0.05	1.0	0.19	2.6	0.3	<0.05	5	<0.5	<0.2
IDA 156891	Soil	26	35	0.58	333	0.044	2	1.44	0.013	0.09	0.2	0.20	3.2	0.2	<0.05	5	1.8	<0.2
IDA 155974	Soil	15	42	0.54	175	0.056	2	1.98	0.009	0.09	0.2	0.07	1.9	0.2	<0.05	7	0.7	<0.2
IDA 156565	Soil	19	36	0.64	203	0.083	2	1.63	0.014	0.12	0.4	0.02	3.3	0.3	<0.05	5	<0.5	<0.2
IDA 156570	Soil	26	29	0.63	263	0.072	2	1.83	0.017	0.13	4.1	0.08	3.3	0.3	<0.05	5	0.8	<0.2
IDA 155975	Soil	11	31	0.40	170	0.048	1	1.33	0.008	0.06	0.2	0.04	1.5	0.2	<0.05	6	0.6	<0.2
IDA 155970	Soil	13	40	0.65	207	0.040	1	1.81	0.009	0.09	0.1	0.04	1.5	0.2	<0.05	6	0.9	<0.2
IDA 155971	Soil	17	34	0.60	231	0.059	1	1.79	0.009	0.10	0.3	0.08	2.6	0.4	<0.05	4	1.1	<0.2
IDA 156934	Soil	25	31	0.55	220	0.066	2	1.56	0.015	0.11	0.8	0.11	3.0	0.3	<0.05	5	0.9	<0.2
IDA 128161	Soil	17	32	0.53	359	0.042	1	1.44	0.011	0.06	0.2	0.08	3.3	<0.1	<0.05	4	<0.5	<0.2
IDA 156883	Soil	12	31	0.34	80	0.050	1	1.97	0.007	0.03	0.3	0.06	2.3	0.2	<0.05	7	<0.5	<0.2
IDA 158477	Soil	15	25	0.46	277	0.023	2	1.19	0.008	0.06	0.1	0.08	1.8	0.1	<0.05	3	<0.5	<0.2
IDA 150181	Soil	18	27	0.53	413	0.015	3	1.34	0.009	0.11	<0.1	0.12	1.9	0.2	<0.05	5	0.6	<0.2



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402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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Part 1

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
IDA 158475	Soil	2.1	21.2	12.5	89	0.8	17.4	8.4	263	2.82	13.2	0.5	1.7	3.1	12	0.3	1.0	0.2	76	0.09	0.032
IDA 158466	Soil	1.1	28.0	8.4	71	0.1	23.2	7.6	226	2.21	9.9	0.5	4.4	4.0	24	0.3	0.9	0.1	43	0.32	0.071
IDA 158476	Soil	1.8	20.0	10.9	61	<0.1	18.1	8.2	255	2.25	11.7	0.8	4.1	1.0	12	0.3	0.7	0.2	53	0.08	0.056
IDA 158468	Soil	1.1	26.0	9.5	67	0.1	22.9	9.7	275	2.21	10.2	0.7	3.3	2.7	21	0.2	0.9	0.2	49	0.26	0.066
IDA 158474	Soil	2.1	23.4	9.8	54	0.1	15.4	6.5	240	2.34	10.2	0.4	2.0	2.7	14	0.2	1.0	0.2	55	0.09	0.023
IDA 156545	Soil	3.2	57.9	27.3	113	0.5	23.3	8.2	422	2.55	20.1	1.3	9.3	0.5	14	0.6	3.2	0.4	83	0.08	0.073
IDA 145535	Soil	2.3	20.9	15.7	42	0.2	10.4	2.8	78	1.23	60.4	1.2	22.8	0.2	12	0.3	6.6	0.6	42	0.07	0.048
IDA 156546	Soil	2.5	37.5	33.7	86	0.3	18.6	11.1	575	2.36	50.1	1.0	4.7	0.3	15	2.6	3.7	0.7	59	0.12	0.066
IDA 145536	Soil	3.9	49.6	24.0	78	0.3	22.4	10.7	420	2.12	202.3	2.0	38.3	1.9	26	0.4	13.1	0.9	68	0.29	0.089
IDA 145534	Soil	3.2	24.9	11.7	123	0.2	21.6	7.1	232	1.86	15.4	1.6	3.4	1.4	14	0.6	6.4	0.3	69	0.13	0.044
IDA 156540	Soil	4.9	39.2	35.3	71	0.5	16.5	7.9	1030	2.57	12.7	1.4	4.8	<0.1	14	0.4	7.9	0.7	101	0.07	0.139
IDA 145539	Soil	5.9	113.0	21.2	230	0.9	43.0	6.0	211	1.82	8.7	1.4	4.8	2.6	57	1.9	5.4	0.1	149	1.23	0.130
IDA 156544	Soil	1.9	22.1	10.0	52	0.2	16.8	6.1	271	2.12	55.7	0.8	15.2	0.4	10	0.3	1.6	0.4	53	0.10	0.054
IDA 156717	Soil	1.1	42.2	10.7	71	0.2	28.6	9.9	378	2.28	12.1	1.0	5.8	2.8	15	<0.1	1.7	0.2	42	0.18	0.060
IDA 145533	Soil	3.3	28.0	13.8	155	0.1	26.5	7.7	239	2.17	18.4	1.8	4.1	1.5	16	0.6	10.3	0.3	58	0.15	0.057
IDA 156541	Soil	3.6	36.3	45.7	57	0.7	14.1	4.9	400	2.38	13.0	1.3	2.3	<0.1	11	0.3	6.0	1.1	97	0.07	0.100
IDA 156542	Soil	3.0	32.3	53.8	71	0.7	15.6	8.8	1487	2.57	16.0	0.9	5.7	0.1	10	0.6	5.0	0.5	74	0.05	0.099
IDA 145537	Soil	2.8	68.7	39.1	83	0.4	21.7	9.1	316	2.45	334.5	2.1	37.9	2.7	26	0.6	23.0	1.9	68	0.16	0.076
IDA 156739	Soil	1.5	111.0	191.0	50	4.0	12.9	4.6	210	3.28	1085	4.1	15.2	13.0	35	0.3	59.7	19.5	40	0.14	0.070
IDA 156740	Soil	1.5	110.8	195.1	50	3.8	13.0	4.4	206	3.32	1121	4.5	15.7	13.1	35	0.4	61.1	19.9	40	0.14	0.071
IDA 156738	Soil	1.7	71.0	15.0	61	0.2	20.2	10.9	478	3.08	60.8	3.5	7.0	5.6	17	0.5	6.7	1.8	60	0.14	0.076
IDA 145532	Soil	1.0	21.5	8.4	60	0.1	21.9	8.2	260	2.09	21.4	0.7	3.1	3.3	14	0.3	1.8	0.2	44	0.15	0.062
IDA 156736	Soil	1.0	33.9	13.9	71	<0.1	22.0	10.4	379	2.60	40.6	1.9	21.1	2.8	15	0.5	5.1	0.6	54	0.11	0.045
IDA 145528	Soil	1.4	29.9	8.5	94	0.1	25.9	8.3	283	2.00	13.0	2.1	2.5	3.6	18	0.4	2.1	0.2	52	0.21	0.061
IDA 145531	Soil	1.9	24.9	9.2	70	0.2	19.1	5.2	134	1.96	13.6	1.2	3.7	0.7	13	0.2	5.7	0.3	47	0.13	0.063
IDA 145530	Soil	2.3	28.0	9.8	109	0.2	24.9	8.6	289	2.03	13.1	1.3	4.4	2.3	17	0.5	4.5	0.2	66	0.16	0.053
IDA 145529	Soil	1.2	24.1	7.7	93	0.1	23.0	7.1	214	1.84	11.2	1.3	10.4	3.0	16	0.4	1.9	0.2	50	0.20	0.059
IDA 145538	Soil	2.5	58.0	35.2	58	0.7	17.2	5.6	193	2.24	261.5	2.4	41.6	0.5	20	0.3	18.9	1.7	70	0.12	0.093
IDA 156543	Soil	2.5	70.0	13.4	69	0.3	27.5	8.1	232	3.01	46.1	2.2	8.6	0.7	21	0.3	4.4	1.6	89	0.19	0.114
IDA 112496	Soil	2.5	46.9	17.8	111	0.3	39.1	10.4	426	2.82	13.4	1.5	7.3	4.5	38	0.3	1.7	0.2	83	0.33	0.057



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Part 2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 158475	Soil	11	32	0.37	270	0.036	2	1.82	0.006	0.07	0.1	0.04	2.2	0.1	<0.05	6	<0.5	<0.2
IDA 158466	Soil	15	28	0.51	258	0.052	1	1.13	0.014	0.06	0.2	0.03	2.9	<0.1	<0.05	4	<0.5	<0.2
IDA 158476	Soil	13	27	0.36	182	0.026	1	1.50	0.006	0.06	<0.1	0.05	1.6	<0.1	<0.05	5	<0.5	<0.2
IDA 158468	Soil	15	29	0.49	269	0.042	2	1.28	0.011	0.05	0.2	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
IDA 158474	Soil	10	22	0.29	366	0.024	1	1.08	0.006	0.07	0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
IDA 156545	Soil	11	38	0.55	142	0.043	2	1.66	0.009	0.10	0.2	0.06	1.4	0.2	<0.05	6	1.0	<0.2
IDA 145535	Soil	11	20	0.30	102	0.023	<1	1.08	0.008	0.07	0.1	0.25	0.5	0.2	0.06	4	0.5	0.2
IDA 156546	Soil	11	24	0.31	131	0.023	<1	0.93	0.006	0.09	0.1	0.04	0.7	0.2	<0.05	5	1.0	<0.2
IDA 145536	Soil	15	30	0.70	294	0.039	1	1.44	0.011	0.09	0.2	0.41	2.4	0.4	<0.05	5	1.0	0.2
IDA 145534	Soil	14	24	0.51	137	0.037	1	1.23	0.006	0.06	0.1	0.12	1.9	0.2	<0.05	4	0.9	<0.2
IDA 156540	Soil	8	33	0.22	270	0.016	2	1.00	0.008	0.11	<0.1	0.08	0.3	0.2	0.17	5	1.5	0.2
IDA 145539	Soil	16	36	2.23	161	0.013	7	1.68	0.005	0.20	<0.1	0.08	3.1	0.2	0.06	5	2.1	<0.2
IDA 156544	Soil	11	26	0.42	95	0.023	<1	1.44	0.006	0.05	0.1	0.07	1.1	0.2	<0.05	5	0.9	<0.2
IDA 156717	Soil	16	23	0.49	229	0.037	2	1.27	0.007	0.04	0.1	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
IDA 145533	Soil	15	30	0.55	157	0.038	<1	1.47	0.006	0.06	0.2	0.22	2.2	0.3	<0.05	4	0.7	<0.2
IDA 156541	Soil	9	26	0.18	176	0.014	2	0.95	0.006	0.08	0.1	0.07	0.2	0.2	0.09	6	1.2	<0.2
IDA 156542	Soil	9	25	0.14	198	0.022	<1	0.88	0.008	0.08	0.3	0.09	0.5	0.3	0.09	5	1.3	<0.2
IDA 145537	Soil	15	29	0.56	202	0.048	1	1.36	0.009	0.13	0.3	0.88	2.2	0.4	<0.05	5	1.1	<0.2
IDA 156739	Soil	36	16	0.30	491	0.038	1	1.23	0.016	0.20	0.3	1.56	4.3	1.2	0.27	4	2.9	0.2
IDA 156740	Soil	37	16	0.30	499	0.037	1	1.26	0.016	0.20	0.4	1.58	4.3	1.2	0.28	4	2.9	<0.2
IDA 156738	Soil	15	28	0.54	161	0.068	<1	1.89	0.011	0.10	0.6	0.09	2.6	0.4	<0.05	6	1.4	<0.2
IDA 145532	Soil	13	24	0.44	116	0.042	<1	1.33	0.006	0.05	0.2	0.07	2.3	0.1	<0.05	4	0.9	<0.2
IDA 156736	Soil	15	27	0.60	198	0.050	1	2.07	0.008	0.08	0.5	0.03	2.2	0.4	<0.05	5	0.8	<0.2
IDA 145528	Soil	16	24	0.49	203	0.046	2	1.28	0.008	0.05	0.2	0.07	2.6	0.1	<0.05	3	0.5	<0.2
IDA 145531	Soil	14	25	0.41	105	0.029	<1	1.27	0.005	0.05	0.1	0.13	1.3	0.3	<0.05	4	0.8	<0.2
IDA 145530	Soil	15	29	0.58	172	0.051	2	1.40	0.008	0.08	0.1	0.12	2.7	0.2	<0.05	5	0.6	<0.2
IDA 145529	Soil	15	23	0.47	136	0.048	<1	1.26	0.007	0.05	0.2	0.05	2.2	0.1	<0.05	3	0.7	<0.2
IDA 145538	Soil	14	31	0.53	169	0.032	1	1.79	0.008	0.11	0.1	1.21	1.2	0.4	<0.05	6	1.0	<0.2
IDA 156543	Soil	15	33	0.78	138	0.037	1	1.92	0.010	0.15	0.3	0.05	1.5	0.3	0.06	5	1.1	<0.2
IDA 112496	Soil	15	36	0.54	386	0.061	1	1.41	0.014	0.07	0.1	0.15	4.6	0.1	<0.05	4	0.7	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
IDA 150430	Soil	6.8	83.3	30.2	312	0.1	105.6	18.2	1058	4.07	36.7	4.7	6.1	5.2	69	1.9	4.8	0.6	224	0.43
IDA 150427	Soil	11.2	249.3	444.8	325	2.6	122.4	8.6	245	4.02	50.7	17.1	19.0	1.9	330	1.2	24.1	0.2	459	0.38
IDA 150433	Soil	2.3	42.0	14.4	104	0.1	31.1	9.9	370	2.45	7.3	1.6	4.3	3.4	23	0.2	1.5	0.2	57	0.17
IDA 146231	Soil	1.2	27.4	15.2	62	0.2	22.7	10.6	277	2.65	55.8	0.9	11.8	5.0	17	0.2	1.0	7.3	54	0.11
IDA 146232	Soil	1.0	28.6	13.1	82	0.6	19.6	10.2	461	2.72	23.5	0.6	3.5	0.4	12	0.9	0.5	0.8	67	0.11
IDA 146234	Soil	1.3	34.4	56.4	108	<0.1	11.1	11.9	536	2.53	323.6	2.3	36.1	9.8	81	0.4	0.9	0.2	55	0.66
IDA 146233	Soil	1.6	38.4	14.8	71	0.1	26.3	10.8	295	2.79	42.2	1.1	4.1	4.0	30	0.2	0.8	0.9	57	0.17
IDA 146238	Soil	1.5	24.8	16.2	56	0.1	25.8	9.6	209	2.35	40.8	1.5	12.7	2.6	23	0.2	0.8	0.7	53	0.18
IDA 146236	Soil	1.1	19.3	29.1	67	0.2	19.7	9.0	353	2.28	45.3	1.8	7.5	5.9	51	0.1	0.6	1.8	55	0.25
IDA 146237	Soil	1.0	19.0	24.6	91	0.3	17.6	8.8	746	1.82	29.8	0.7	3.3	1.4	56	1.1	0.5	0.4	44	0.46
IDA 146235	Soil	0.7	22.7	42.5	166	0.2	15.8	9.7	439	2.37	400.1	2.3	26.8	7.4	103	1.7	0.7	0.2	58	0.49
IDA 145522	Soil	2.1	155.6	42.7	134	0.6	16.5	11.1	605	3.53	446.4	8.7	16.0	12.6	76	0.9	13.6	3.7	66	0.27
IDA 156938	Soil	18.8	241.1	81.3	123	2.1	40.1	29.3	733	6.28	152.6	7.8	36.5	5.3	20	1.1	96.4	1.4	83	0.09
IDA 156955	Soil	1.3	55.6	14.1	67	0.1	21.6	9.7	352	2.67	105.2	3.3	14.7	6.5	20	0.5	7.5	2.5	51	0.15
IDA 156584	Soil	1.9	30.0	21.7	58	0.2	19.9	8.6	339	2.73	30.3	0.9	7.9	1.0	8	0.2	6.0	0.3	54	0.06
IDA 156958	Soil	1.6	158.8	623.6	138	5.4	15.1	12.2	465	4.18	1768	8.2	26.4	13.9	86	1.7	104.5	61.0	50	0.32
IDA 145520	Soil	11.3	132.3	63.6	108	0.8	54.4	13.6	481	3.17	262.4	5.1	9.4	2.3	28	0.8	21.4	2.1	114	0.21
IDA 156957	Soil	1.8	131.5	223.8	104	3.9	15.1	6.7	350	3.73	1048	4.4	20.3	3.8	28	0.8	70.4	26.1	44	0.09
IDA 156959	Soil	2.4	92.8	143.5	101	3.0	16.0	11.5	589	3.64	1200	6.7	18.2	10.2	52	0.8	66.9	30.2	48	0.27
IDA 156580	Soil	1.7	34.0	193.0	175	1.0	45.9	25.7	1369	3.31	20.6	2.6	3.0	6.7	38	1.4	118.4	0.2	52	0.21
IDA 145521	Soil	2.7	50.6	32.7	90	0.3	24.3	13.9	563	2.84	296.6	14.7	11.3	10.1	65	0.5	11.5	3.0	57	0.38
IDA 145516	Soil	3.4	292.6	81.0	120	0.9	26.7	33.0	597	5.00	2470	20.7	270.9	14.6	119	1.7	31.6	34.8	50	0.21
IDA 156585	Soil	2.5	58.8	23.3	59	0.4	27.5	5.0	191	2.25	46.2	1.5	11.0	0.8	9	0.4	5.8	0.4	89	0.05
IDA 145519	Soil	1.3	136.6	63.0	97	0.8	26.1	26.9	524	5.62	263.7	16.8	10.7	28.6	29	1.0	41.5	2.3	47	0.44
IDA 145515	Soil	2.0	29.3	25.0	102	0.2	13.2	18.1	1359	4.90	225.3	6.0	464.5	15.0	43	0.3	19.4	2.6	52	0.58
IDA 156961	Soil	2.2	235.1	143.4	96	6.3	13.8	13.4	578	3.92	988.0	11.5	93.1	8.9	79	1.1	44.8	19.2	42	0.18
IDA 156578	Soil	2.5	38.0	57.6	52	1.5	15.8	4.4	165	2.07	14.7	1.2	4.7	0.4	10	0.4	9.5	0.4	58	0.06
IDA 145513	Soil	2.1	129.7	17.2	76	0.2	29.4	13.6	484	3.61	154.8	4.7	75.8	10.0	40	0.4	9.4	1.5	50	0.21
IDA 145518	Soil	1.6	157.1	52.1	160	0.6	26.8	18.7	706	3.89	355.8	12.0	27.8	12.8	91	1.4	26.6	4.6	54	0.37
IDA 156575	Soil	2.2	54.6	119.3	127	1.5	34.0	10.6	589	3.80	17.2	1.7	7.5	1.2	11	0.9	21.2	0.5	79	0.05



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Phone (604) 253-3158 Fax (604) 253-1716

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Client:

Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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Part 2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 150430	Soil	17	53	0.31	395	0.040	3	1.61	0.006	0.09	0.2	0.15	5.4	0.2	<0.05	5	2.4	<0.2
IDA 150427	Soil	8	65	0.04	1099	0.003	4	0.85	0.004	0.12	0.1	0.63	4.9	0.2	0.14	3	6.3	<0.2
IDA 150433	Soil	14	24	0.37	282	0.031	<1	1.03	0.006	0.05	<0.1	0.10	3.7	0.1	<0.05	3	0.6	<0.2
IDA 146231	Soil	15	31	0.64	129	0.073	<1	2.09	0.009	0.09	0.2	0.05	3.4	0.3	<0.05	5	1.3	1.0
IDA 146232	Soil	10	24	0.28	233	0.041	<1	1.34	0.004	0.06	0.1	0.06	1.2	0.2	0.06	6	1.2	<0.2
IDA 146234	Soil	39	25	0.69	222	0.035	2	2.05	0.008	0.06	0.3	0.05	4.7	0.3	<0.05	6	0.7	<0.2
IDA 146233	Soil	12	31	1.09	185	0.075	3	2.04	0.009	0.07	0.5	0.03	2.9	0.3	<0.05	5	1.0	<0.2
IDA 146238	Soil	13	26	0.49	161	0.042	1	1.69	0.009	0.05	0.3	0.05	2.2	0.2	<0.05	5	0.9	<0.2
IDA 146236	Soil	15	27	0.56	264	0.067	1	1.81	0.013	0.07	0.4	0.04	2.9	0.2	<0.05	5	0.7	0.6
IDA 146237	Soil	10	22	0.41	288	0.025	2	1.36	0.008	0.05	0.2	0.04	1.6	0.2	0.06	4	0.8	<0.2
IDA 146235	Soil	25	26	0.65	273	0.051	<1	1.96	0.011	0.06	0.4	0.04	3.9	0.2	<0.05	6	0.9	<0.2
IDA 145522	Soil	33	29	0.65	247	0.075	2	2.29	0.019	0.11	0.5	0.31	4.8	0.4	<0.05	6	1.2	<0.2
IDA 156938	Soil	17	37	0.57	757	0.044	1	1.59	0.011	0.23	0.5	0.59	5.1	1.3	0.24	5	4.4	<0.2
IDA 156955	Soil	15	25	0.63	184	0.058	<1	1.69	0.011	0.10	0.7	0.02	2.5	0.4	<0.05	5	0.5	<0.2
IDA 156584	Soil	9	28	0.38	124	0.026	2	1.46	0.005	0.04	0.1	0.05	1.7	0.2	<0.05	4	1.6	<0.2
IDA 156958	Soil	27	21	0.67	385	0.093	2	1.84	0.032	0.39	1.3	0.18	3.4	0.9	0.28	6	1.8	0.4
IDA 145520	Soil	20	40	0.69	334	0.049	2	1.69	0.014	0.13	0.4	0.27	3.0	0.5	0.09	6	2.1	<0.2
IDA 156957	Soil	24	18	0.28	381	0.022	2	1.03	0.011	0.13	0.4	0.65	2.6	1.0	0.14	4	2.1	<0.2
IDA 156959	Soil	28	20	0.58	331	0.065	1	2.00	0.014	0.20	0.4	0.18	2.8	0.7	0.08	6	1.0	<0.2
IDA 156580	Soil	21	29	0.82	665	0.064	1	2.29	0.006	0.20	0.2	0.04	3.5	0.3	<0.05	6	<0.5	<0.2
IDA 145521	Soil	25	25	0.60	194	0.080	3	1.72	0.020	0.12	0.8	0.17	3.4	0.3	<0.05	5	0.9	<0.2
IDA 145516	Soil	32	24	0.53	340	0.078	2	2.09	0.021	0.24	1.1	0.07	4.4	0.7	0.10	6	3.0	0.5
IDA 156585	Soil	11	35	0.54	113	0.046	<1	1.44	0.004	0.04	0.1	0.04	1.5	0.2	<0.05	5	1.5	<0.2
IDA 145519	Soil	38	23	0.55	104	0.043	3	1.04	0.027	0.06	0.3	0.07	6.2	0.2	<0.05	4	5.8	<0.2
IDA 145515	Soil	42	15	0.94	1430	0.070	<1	3.01	0.008	0.40	0.2	0.01	5.4	0.6	<0.05	8	0.6	<0.2
IDA 156961	Soil	37	19	0.54	414	0.032	2	2.11	0.023	0.24	0.5	0.64	3.0	1.0	0.26	6	2.4	<0.2
IDA 156578	Soil	9	24	0.33	120	0.028	1	1.15	0.007	0.04	0.2	0.05	1.1	0.1	<0.05	5	0.7	<0.2
IDA 145513	Soil	19	21	0.67	196	0.108	1	1.85	0.012	0.19	0.4	0.03	3.3	0.6	<0.05	6	1.1	<0.2
IDA 145518	Soil	33	25	0.72	284	0.084	<1	2.03	0.016	0.22	0.9	0.08	4.7	0.5	<0.05	6	1.3	<0.2
IDA 156575	Soil	12	26	0.38	100	0.031	<1	1.52	0.004	0.06	0.1	0.31	2.2	0.4	<0.05	5	0.9	<0.2



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Phone (604) 253-3158 Fax (604) 253-1716

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Client:

Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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Part 1

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
IDA 156960	Soil	2.6	50.2	24.6	265	0.3	19.0	19.6	1404	4.07	247.6	12.4	6.8	14.2	140	0.8	15.6	2.2	54	0.55
IDA 156557	Soil	0.8	31.2	18.4	55	0.2	21.4	10.2	327	2.13	456.7	3.4	9.6	9.6	21	0.4	5.0	1.4	40	0.21
IDA 156600	Soil	1.3	27.5	26.5	58	0.1	22.4	11.5	314	2.27	324.4	2.3	11.9	7.7	19	0.5	14.4	1.0	45	0.19
IDA 156894	Soil	1.3	33.7	14.0	28	0.1	7.6	3.3	83	2.36	89.6	4.3	5.6	4.8	40	0.1	2.6	0.6	40	0.11
IDA 156579	Soil	1.5	28.1	138.3	117	4.5	22.2	6.7	452	2.44	15.5	1.4	2.8	1.1	17	1.9	70.4	0.2	48	0.09
IDA 156601	Soil	2.2	343.9	59.6	86	1.5	26.7	17.7	544	3.41	601.6	23.6	24.0	19.4	33	0.6	30.6	4.2	50	0.22
IDA 128427	Soil	1.3	35.2	14.4	71	0.3	25.3	8.8	313	2.55	11.7	0.9	9.2	1.1	18	0.3	1.1	0.2	50	0.17
IDA 128153	Soil	1.5	36.0	10.4	75	0.1	27.1	9.5	315	2.38	37.2	0.9	4.3	3.9	26	0.2	2.0	0.2	55	0.29
IDA 128152	Soil	4.3	141.2	40.5	79	0.4	38.5	10.8	300	2.35	643.2	3.9	240.3	5.4	36	0.5	24.6	3.8	73	0.37
IDA 158393	Soil	1.6	32.1	86.3	84	0.7	17.6	7.0	249	2.96	135.6	0.7	15.5	3.4	9	0.4	26.5	0.7	61	0.06
IDA 156889	Soil	2.3	33.8	39.2	66	0.3	20.6	10.7	447	2.66	312.0	5.0	8.6	1.6	22	0.2	10.7	1.5	60	0.17
IDA 128438	Soil	0.9	19.6	9.2	52	0.1	15.7	6.6	213	1.91	6.8	0.7	3.9	0.7	15	0.1	0.6	0.1	42	0.14
IDA 158392	Soil	1.9	38.3	85.9	115	1.4	19.2	9.9	859	2.89	81.5	2.6	30.9	2.9	28	0.7	21.9	1.1	45	0.28
IDA 158391	Soil	0.5	22.9	17.2	47	0.5	11.1	1.8	52	0.86	13.8	1.4	23.5	0.7	79	0.7	11.7	0.3	9	0.82
IDA 158390	Soil	2.2	39.9	20.5	109	0.4	23.1	21.5	1376	3.00	22.0	1.7	11.1	4.7	33	0.6	6.6	0.4	42	0.21
IDA 128429	Soil	4.1	78.8	13.9	151	0.6	35.0	10.2	592	2.11	8.1	1.1	7.9	0.2	29	1.5	2.3	0.2	43	0.30
IDA 128431	Soil	1.0	19.4	10.3	46	<0.1	15.5	6.4	277	2.01	8.1	0.7	4.9	0.5	12	0.2	0.6	0.2	44	0.11
IDA 112415	Soil	0.9	23.9	8.4	54	0.1	18.7	6.2	168	1.86	6.4	0.8	3.0	1.0	17	0.1	0.6	0.1	40	0.17
IDA 128480	Soil	1.2	18.4	16.5	39	0.2	7.3	2.5	88	1.32	7.4	0.4	2.5	0.2	8	0.4	0.6	0.2	41	0.05
IDA 128482	Soil	1.2	37.3	15.5	75	<0.1	19.1	7.9	278	2.32	9.2	0.6	9.9	1.9	12	0.6	1.2	0.2	48	0.09
IDA 128479	Soil	1.6	39.7	12.4	56	0.3	12.5	3.5	102	1.24	6.5	0.5	6.0	0.1	9	0.7	1.0	0.2	33	0.04
IDA 150155	Soil	6.3	126.2	9.1	200	1.4	41.3	6.0	145	1.71	7.5	1.4	14.5	2.5	164	1.4	2.9	0.1	54	4.71
IDA 128481	Soil	1.2	40.1	15.5	79	<0.1	20.6	8.9	300	2.39	9.3	0.7	13.2	2.2	12	0.7	1.2	0.2	49	0.10
IDA 150151	Soil	2.1	60.6	194.9	112	3.0	23.9	10.6	581	2.63	42.0	1.6	8.9	0.6	42	1.2	24.7	0.3	71	0.12
IDA 150110	Soil	1.7	29.6	10.2	60	0.1	23.8	9.3	267	2.25	20.8	0.9	7.7	3.7	14	0.1	1.9	0.2	49	0.11
IDA 150150	Soil	2.4	38.1	65.4	63	0.7	16.6	6.7	277	2.56	32.9	0.9	4.0	1.6	11	0.7	13.8	0.4	82	0.04
IDA 150154	Soil	4.3	282.3	72.6	304	7.4	79.2	25.2	993	7.25	58.0	1.1	15.2	4.6	15	0.9	45.8	0.5	91	0.04
IDA 128483	Soil	1.7	41.3	16.4	61	0.1	17.7	6.8	235	2.60	11.4	0.6	8.6	0.7	10	0.2	1.3	0.3	56	0.07
IDA 150112	Soil	4.5	134.2	20.7	71	0.4	39.6	13.4	411	2.52	799.6	6.8	69.8	2.3	55	0.8	12.9	5.9	71	0.62
IDA 112405	Soil	1.2	30.3	11.3	62	<0.1	22.4	8.9	335	2.17	10.2	0.9	2.7	3.7	25	0.2	1.0	0.2	48	0.24



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Phone (604) 253-3158 Fax (604) 253-1716

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 156960	Soil	40	21	0.80	468	0.092	3	2.59	0.014	0.22	0.4	0.05	5.1	0.5	<0.05	7	0.8	<0.2
IDA 156557	Soil	21	21	0.42	142	0.049	1	1.23	0.007	0.05	0.8	0.07	2.1	0.1	<0.05	3	0.7	<0.2
IDA 156600	Soil	20	23	0.47	141	0.057	<1	1.51	0.008	0.06	0.7	0.06	2.3	0.2	<0.05	4	0.7	<0.2
IDA 156894	Soil	16	16	0.22	72	0.065	1	1.14	0.016	0.07	1.1	0.09	1.3	0.2	0.11	4	1.2	<0.2
IDA 156579	Soil	8	23	0.40	267	0.039	2	1.39	0.009	0.10	0.2	0.08	1.4	0.1	<0.05	4	0.7	<0.2
IDA 156601	Soil	55	25	0.48	178	0.049	2	1.50	0.009	0.11	5.0	0.31	4.8	0.3	<0.05	4	1.3	0.6
IDA 128427	Soil	13	28	0.42	235	0.027	1	1.45	0.006	0.05	0.2	0.10	2.4	0.1	<0.05	4	<0.5	<0.2
IDA 128153	Soil	16	32	0.62	289	0.059	1	1.30	0.011	0.05	0.2	0.03	3.6	<0.1	<0.05	4	0.9	<0.2
IDA 128152	Soil	20	28	0.64	260	0.050	<1	1.24	0.012	0.14	1.2	0.82	2.8	0.4	<0.05	4	1.3	<0.2
IDA 158393	Soil	11	27	0.30	80	0.039	<1	1.54	0.005	0.04	0.2	0.08	2.2	0.2	<0.05	5	0.8	0.3
IDA 156889	Soil	15	31	0.48	151	0.041	2	1.87	0.007	0.05	0.3	0.10	2.0	0.2	<0.05	6	0.8	<0.2
IDA 128438	Soil	12	23	0.36	230	0.022	<1	1.21	0.005	0.04	0.1	0.04	1.7	<0.1	<0.05	4	0.7	<0.2
IDA 158392	Soil	30	21	0.34	339	0.006	2	1.41	0.007	0.07	0.1	0.23	3.6	0.2	<0.05	5	1.0	<0.2
IDA 158391	Soil	10	8	0.19	373	0.009	3	0.50	0.010	0.03	<0.1	0.22	2.1	<0.1	0.14	1	0.8	<0.2
IDA 158390	Soil	22	24	0.53	336	0.016	4	1.21	0.007	0.10	<0.1	0.23	4.0	0.2	<0.05	4	1.3	<0.2
IDA 128429	Soil	18	20	0.29	329	0.012	1	1.01	0.005	0.06	<0.1	0.11	1.1	0.2	<0.05	3	1.0	<0.2
IDA 128431	Soil	13	23	0.31	168	0.020	<1	1.23	0.005	0.04	0.1	0.05	1.3	<0.1	<0.05	4	<0.5	<0.2
IDA 112415	Soil	14	24	0.38	257	0.024	<1	1.26	0.006	0.04	<0.1	0.05	1.9	<0.1	<0.05	4	0.6	<0.2
IDA 128480	Soil	5	15	0.09	76	0.023	<1	0.60	0.006	0.03	0.1	0.06	0.7	<0.1	<0.05	4	<0.5	<0.2
IDA 128482	Soil	10	22	0.30	133	0.029	1	0.98	0.005	0.04	0.2	0.04	1.9	<0.1	<0.05	3	0.5	<0.2
IDA 128479	Soil	5	12	0.06	81	0.016	<1	0.47	0.008	0.04	0.1	0.09	0.6	<0.1	<0.05	2	<0.5	<0.2
IDA 150155	Soil	18	17	1.34	332	0.004	8	0.73	0.007	0.13	<0.1	0.47	3.8	0.2	<0.05	2	1.4	<0.2
IDA 128481	Soil	11	22	0.32	135	0.031	<1	0.99	0.005	0.04	0.2	0.04	2.0	<0.1	<0.05	4	<0.5	<0.2
IDA 150151	Soil	15	32	0.32	219	0.014	2	1.20	0.006	0.07	0.1	0.19	1.4	0.2	<0.05	4	<0.5	<0.2
IDA 150110	Soil	13	26	0.46	254	0.032	1	1.34	0.011	0.05	0.2	0.05	2.7	<0.1	<0.05	4	<0.5	<0.2
IDA 150150	Soil	14	21	0.12	220	0.031	1	0.89	0.004	0.05	0.2	0.06	1.6	0.1	<0.05	5	0.8	<0.2
IDA 150154	Soil	22	39	0.17	181	0.012	<1	1.35	0.005	0.06	0.2	0.21	5.5	0.4	<0.05	5	1.7	0.4
IDA 128483	Soil	9	24	0.32	125	0.032	<1	1.18	0.008	0.04	0.2	0.06	1.5	0.1	<0.05	4	<0.5	<0.2
IDA 150112	Soil	21	30	0.68	289	0.044	2	1.41	0.014	0.13	0.7	0.26	2.8	0.4	<0.05	5	2.2	<0.2
IDA 112405	Soil	16	27	0.45	332	0.047	<1	1.21	0.009	0.06	0.1	0.07	3.6	0.1	<0.05	4	<0.5	<0.2



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Phone (604) 253-3158 Fax (604) 253-1716

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www.acmelab.com

Client:

Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
IDA 112411	Soil	1.1	25.3	8.5	56	0.2	20.2	6.9	175	1.89	7.7	0.8	4.5	1.7	19	0.2	0.6	0.2	42	0.18	0.058
IDA 112407	Soil	0.9	24.8	8.7	54	0.1	18.2	6.2	194	1.80	7.1	0.8	3.9	1.7	18	0.1	0.6	0.1	39	0.18	0.065
IDA 112410	Soil	1.0	33.4	9.7	67	0.2	22.4	8.0	216	2.01	7.3	1.0	4.5	1.7	20	0.3	0.7	0.2	46	0.18	0.063
IDA 112402	Soil	1.2	28.8	13.1	94	<0.1	34.2	14.1	644	2.74	10.7	0.8	2.4	1.9	15	0.5	0.9	0.2	44	0.13	0.079
IDA 112409	Soil	1.1	27.9	8.7	55	0.1	18.6	7.1	215	1.94	7.6	0.8	4.9	0.8	18	0.2	0.6	0.1	45	0.15	0.059
IDA 112403	Soil	0.9	13.4	9.9	47	<0.1	14.6	6.7	275	2.54	10.0	0.5	6.2	2.3	10	0.2	0.7	0.2	49	0.10	0.042
IDA 112413	Soil	0.8	29.3	8.2	63	0.2	20.3	7.9	247	1.94	7.4	0.7	5.7	1.8	23	0.3	0.7	0.1	44	0.22	0.062
IDA 112418	Soil	0.7	24.7	8.1	51	<0.1	18.9	6.1	189	1.86	7.1	0.8	2.2	1.8	17	0.2	0.6	0.1	40	0.17	0.054
IDA 112404	Soil	0.8	26.3	9.3	56	<0.1	25.1	11.2	357	2.30	11.3	0.8	34.4	3.8	16	0.1	0.7	0.1	47	0.17	0.063
IDA 112412	Soil	0.8	26.3	8.4	57	0.1	20.5	8.7	277	1.98	7.2	0.9	13.6	2.1	22	0.2	0.6	0.1	44	0.20	0.060
IDA 112408	Soil	1.1	24.6	8.5	54	0.1	17.9	5.9	155	1.89	7.5	0.8	2.5	1.4	17	0.1	0.6	0.2	44	0.16	0.054
IDA 146219	Soil	2.0	40.0	10.2	99	0.4	28.1	12.9	381	1.80	7.7	1.5	6.8	3.6	46	0.5	1.0	0.2	52	0.59	0.086
IDA 128499	Soil	14.0	68.4	52.1	55	0.7	33.2	9.1	874	3.81	44.3	4.0	9.4	4.5	169	0.3	4.0	0.5	88	0.14	0.126
IDA 146220	Soil	2.3	34.1	15.6	86	0.4	21.2	7.9	238	1.73	9.2	1.2	7.2	2.6	36	0.4	1.0	0.2	52	0.36	0.111
IDA 146217	Soil	10.0	55.0	10.2	150	0.4	39.1	9.7	551	1.77	13.1	1.9	9.2	1.9	53	1.6	2.9	0.2	77	0.85	0.062
IDA 146216	Soil	3.4	55.1	18.6	39	0.7	17.8	7.3	1038	1.44	13.8	2.9	8.4	0.1	45	0.6	1.5	0.2	66	0.12	0.082
IDA 146215	Soil	4.8	28.3	17.6	68	0.4	21.9	6.4	166	3.11	24.8	0.5	5.5	1.8	64	0.3	2.3	0.2	100	0.06	0.049
IDA 146214	Soil	11.1	69.1	20.0	25	2.1	18.4	3.6	255	1.68	19.2	5.1	10.0	1.0	150	0.6	6.4	0.2	126	0.08	0.058
IDA 146004	Soil	2.4	51.3	11.0	106	0.6	34.1	8.2	258	2.45	17.7	1.0	11.5	2.8	37	0.5	1.3	0.2	55	0.55	0.064
IDA 146218	Soil	2.0	45.3	9.8	97	0.4	27.3	9.7	252	1.82	11.3	1.4	8.5	2.7	38	0.4	1.0	0.2	55	0.54	0.063
IDA 112416	Soil	0.8	24.3	8.0	51	<0.1	16.7	6.1	175	1.72	6.4	0.7	6.5	0.9	16	0.2	0.5	0.1	39	0.15	0.055
IDA 112417	Soil	0.8	23.7	8.4	51	<0.1	17.7	7.1	218	1.83	6.9	0.7	3.4	2.5	18	0.1	0.6	0.1	41	0.20	0.059
IDA 112414	Soil	0.9	26.7	8.8	57	0.1	19.5	7.3	209	1.89	7.5	0.8	6.4	1.4	18	0.2	0.6	0.1	43	0.17	0.057
IDA 145742	Soil	1.4	24.4	10.1	43	0.2	14.5	4.6	128	1.96	47.6	1.5	5.6	0.4	10	0.2	2.8	0.3	49	0.08	0.042
IDA 128087	Soil	2.2	32.0	9.6	86	0.7	20.7	12.3	699	1.62	4.0	1.3	12.5	1.9	32	0.6	0.9	0.1	36	0.45	0.095
IDA 158472	Soil	9.6	106.4	45.8	276	1.1	54.4	11.8	390	3.08	11.0	1.2	13.4	3.0	43	1.3	2.6	0.2	76	0.75	0.102
IDA 128491	Soil	1.2	49.9	7.7	80	0.5	22.1	7.1	443	1.52	3.5	1.3	10.3	1.2	74	0.7	0.9	0.1	33	1.37	0.084
IDA 128086	Soil	2.6	76.7	11.9	89	0.6	31.6	12.4	595	2.57	8.4	1.6	24.3	1.6	51	0.4	1.5	0.2	53	0.71	0.102
IDA 128080	Soil	2.1	67.1	7.5	88	0.8	27.5	9.2	309	1.49	3.4	1.6	15.1	2.3	41	0.8	0.8	0.1	34	0.67	0.103
IDA 128484	Soil	2.6	48.6	12.2	93	1.0	26.4	15.8	749	2.32	7.1	1.4	15.3	0.9	36	0.5	0.7	0.2	55	0.46	0.122



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Phone (604) 253-3158 Fax (604) 253-1716

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Client: **Ryan Gold**
402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 112411	Soil	13	25	0.43	288	0.025	<1	1.26	0.007	0.04	0.1	0.06	2.7	<0.1	<0.05	4	<0.5	<0.2
IDA 112407	Soil	14	23	0.41	278	0.026	1	1.19	0.006	0.04	0.2	0.06	2.5	<0.1	<0.05	3	<0.5	0.3
IDA 112410	Soil	15	28	0.46	358	0.029	<1	1.42	0.011	0.05	0.1	0.10	3.2	0.1	<0.05	4	0.5	<0.2
IDA 112402	Soil	16	26	0.38	194	0.030	2	1.13	0.007	0.06	0.2	0.03	2.2	<0.1	<0.05	4	0.6	<0.2
IDA 112409	Soil	13	26	0.41	293	0.023	<1	1.30	0.007	0.04	0.2	0.05	2.1	<0.1	<0.05	4	0.6	<0.2
IDA 112403	Soil	9	23	0.35	106	0.039	<1	1.28	0.006	0.03	0.2	0.05	1.7	<0.1	<0.05	4	0.6	<0.2
IDA 112413	Soil	15	25	0.43	343	0.034	<1	1.20	0.008	0.04	0.2	0.06	2.9	<0.1	<0.05	4	<0.5	<0.2
IDA 112418	Soil	15	23	0.41	248	0.037	<1	1.18	0.007	0.04	0.2	0.04	2.6	<0.1	<0.05	4	<0.5	<0.2
IDA 112404	Soil	14	25	0.45	202	0.043	<1	1.44	0.007	0.04	0.2	0.07	3.1	<0.1	<0.05	3	<0.5	<0.2
IDA 112412	Soil	15	25	0.45	302	0.035	<1	1.24	0.008	0.04	0.1	0.06	3.2	<0.1	<0.05	3	<0.5	<0.2
IDA 112408	Soil	13	23	0.40	263	0.025	<1	1.29	0.006	0.04	0.1	0.06	2.4	<0.1	<0.05	4	<0.5	<0.2
IDA 146219	Soil	16	37	0.69	584	0.038	3	1.33	0.008	0.10	0.1	0.18	4.3	0.2	<0.05	4	0.7	<0.2
IDA 128499	Soil	19	28	0.27	882	0.007	4	1.06	0.013	0.27	0.1	0.38	3.2	0.3	0.37	4	2.5	0.3
IDA 146220	Soil	15	25	0.53	478	0.016	2	1.25	0.006	0.11	<0.1	0.19	2.9	0.2	<0.05	4	0.7	<0.2
IDA 146217	Soil	11	21	0.44	594	0.017	2	1.03	0.007	0.06	0.1	0.32	2.6	0.3	<0.05	3	1.2	<0.2
IDA 146216	Soil	8	21	0.10	530	0.008	<1	0.58	0.004	0.07	<0.1	2.66	0.8	0.1	<0.05	3	1.5	<0.2
IDA 146215	Soil	6	29	0.16	450	0.016	1	1.04	0.006	0.09	<0.1	0.06	1.8	0.2	<0.05	5	1.4	0.5
IDA 146214	Soil	5	23	0.06	568	0.003	2	0.29	0.008	0.18	0.1	2.80	1.6	0.5	0.28	1	3.9	0.3
IDA 146004	Soil	17	29	0.52	484	0.028	<1	1.39	0.008	0.08	0.2	0.19	3.9	0.2	<0.05	4	0.8	<0.2
IDA 146218	Soil	14	27	0.55	581	0.022	2	1.36	0.009	0.07	0.2	0.15	3.4	0.2	<0.05	4	1.2	<0.2
IDA 112416	Soil	14	23	0.39	212	0.028	<1	1.22	0.008	0.04	0.1	0.06	2.0	<0.1	<0.05	4	0.6	<0.2
IDA 112417	Soil	15	23	0.43	221	0.042	<1	1.17	0.017	0.05	0.1	0.05	2.6	<0.1	<0.05	3	<0.5	<0.2
IDA 112414	Soil	16	24	0.43	285	0.030	<1	1.29	0.013	0.05	0.1	0.06	2.7	<0.1	<0.05	4	<0.5	<0.2
IDA 145742	Soil	12	25	0.34	106	0.022	<1	1.21	0.005	0.04	0.2	0.08	1.1	0.1	<0.05	4	0.6	<0.2
IDA 128087	Soil	14	20	0.52	565	0.012	2	1.07	0.009	0.07	0.1	0.22	2.6	0.2	<0.05	3	1.1	<0.2
IDA 158472	Soil	22	25	0.69	710	0.006	4	1.62	0.005	0.10	0.1	0.32	4.3	0.3	<0.05	4	2.0	<0.2
IDA 128491	Soil	15	18	0.56	630	0.011	3	1.06	0.008	0.05	<0.1	0.22	2.3	0.1	0.07	3	0.8	<0.2
IDA 128086	Soil	14	28	0.63	621	0.018	2	1.42	0.008	0.07	0.2	0.20	3.1	0.2	<0.05	4	0.8	<0.2
IDA 128080	Soil	23	21	0.58	796	0.010	3	1.15	0.006	0.09	<0.1	0.33	3.3	0.2	<0.05	3	1.4	<0.2
IDA 128484	Soil	15	29	0.50	1083	0.012	4	1.49	0.007	0.09	0.1	0.32	2.8	0.3	<0.05	5	0.9	<0.2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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www.acmelab.com

Client:

Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
IDA 145743	Soil	1.1	26.1	8.7	62	<0.1	21.9	7.7	257	2.07	16.1	0.8	4.9	1.9	17	<0.1	1.1	0.2	47	0.19
IDA 128095	Soil	3.4	40.0	11.2	91	0.3	31.4	11.5	600	2.74	9.5	1.1	4.1	4.2	42	0.4	1.2	0.2	58	0.31
IDA 128081	Soil	1.9	46.2	8.7	86	0.6	21.3	11.4	301	1.93	4.7	1.2	12.1	2.6	21	0.5	0.8	0.2	41	0.30
IDA 128085	Soil	3.1	83.5	9.3	63	0.3	33.0	9.5	478	2.71	7.9	1.3	13.4	3.3	30	0.2	1.5	0.2	56	0.30
IDA 128091	Soil	1.4	31.4	9.7	80	0.2	29.2	9.6	307	2.34	11.1	0.8	9.2	3.0	25	0.2	1.0	0.2	49	0.32
IDA 158479	Soil	2.4	34.8	10.1	100	0.5	24.9	6.8	215	2.22	11.5	0.8	7.3	1.5	32	0.6	1.2	0.2	51	0.51
IDA 158481	Soil	5.1	58.1	36.2	134	0.7	27.9	13.9	429	2.46	13.4	2.2	6.8	1.4	52	0.7	5.0	0.2	57	0.44
IDA 158480	Soil	5.5	59.4	14.2	128	0.3	32.7	15.4	420	2.74	12.1	1.9	6.2	1.1	31	0.6	2.1	0.2	78	0.27
IDA 158486	Soil	1.6	33.8	11.3	59	0.2	24.4	9.1	286	2.04	74.9	1.2	16.5	2.5	23	0.3	2.9	0.6	46	0.23
IDA 128485	Soil	2.7	60.6	8.1	108	1.5	27.9	7.0	206	1.64	5.1	1.9	15.9	1.7	60	1.2	1.1	0.1	44	1.29
IDA 128487	Soil	1.8	41.9	9.5	76	0.5	23.6	7.6	326	1.55	4.3	1.4	8.0	1.9	58	0.5	0.6	0.1	36	1.27
IDA 128492	Soil	1.5	41.1	8.1	90	0.4	23.2	8.6	316	1.79	5.3	1.2	7.1	2.1	51	0.6	0.8	0.1	44	0.88
IDA 128489	Soil	2.5	61.7	7.5	74	0.5	14.6	2.9	119	1.15	4.7	0.8	6.6	0.2	52	0.8	1.0	0.1	33	0.95
IDA 128495	Soil	1.4	33.6	9.5	83	0.2	26.6	9.7	309	2.40	14.3	0.6	5.5	3.3	26	0.3	1.2	0.2	51	0.34
IDA 128084	Soil	2.8	58.5	13.4	55	<0.1	21.1	8.1	464	2.98	9.4	0.7	12.0	0.8	14	0.2	1.3	0.2	69	0.13
IDA 128088	Soil	1.5	30.9	8.1	82	0.5	20.0	8.1	312	1.68	4.1	1.1	7.0	2.9	27	0.4	0.7	0.1	43	0.38
IDA 128083	Soil	5.6	83.3	9.0	168	0.5	29.6	8.3	423	1.77	7.4	1.0	10.0	1.2	40	1.0	1.5	0.1	44	0.83
IDA 128109	Soil	1.0	29.9	8.6	69	0.1	22.2	8.9	291	2.02	18.3	0.7	8.1	3.2	23	0.2	1.4	0.2	43	0.26
IDA 128490	Soil	3.9	93.3	11.2	125	0.6	34.6	7.9	336	2.51	7.2	1.0	29.9	2.6	62	0.5	1.6	0.2	46	1.01
IDA 128082	Soil	3.8	45.5	11.3	90	0.4	23.6	6.6	239	2.04	7.8	1.2	7.8	0.6	30	1.0	1.1	0.2	50	0.33
IDA 128090	Soil	1.5	33.5	10.7	86	0.2	28.5	10.0	327	2.45	12.4	0.6	7.4	4.1	28	0.3	1.3	0.2	54	0.42
IDA 150179	Soil	2.0	46.4	10.3	102	0.4	27.1	14.7	257	2.07	5.0	1.2	7.0	4.6	28	0.7	0.8	0.1	40	0.36
IDA 145741	Soil	2.0	45.1	11.2	93	0.2	30.2	10.6	384	2.41	85.2	1.9	6.7	3.6	22	0.5	4.5	0.4	59	0.21
IDA 158485	Soil	4.5	121.5	26.6	83	0.6	41.9	14.2	435	2.82	758.7	5.2	78.1	3.9	47	1.0	15.6	6.0	74	0.39
IDA 128488	Soil	2.2	36.3	10.4	88	0.3	22.0	12.0	617	2.13	6.8	1.3	5.4	3.7	28	0.7	0.7	0.1	49	0.34
IDA 158482	Soil	3.7	60.2	16.8	110	1.1	28.1	10.6	327	2.08	10.2	2.8	11.3	1.2	51	0.9	2.7	0.2	59	0.48
IDA 158469	Soil	1.6	24.5	10.3	61	0.1	19.4	7.7	220	2.42	46.5	0.9	5.1	2.7	19	0.3	1.9	0.3	48	0.23
IDA 158487	Soil	1.2	31.4	8.6	70	0.2	24.8	8.9	283	2.18	14.4	0.8	3.8	3.6	24	0.2	1.5	0.2	49	0.26
IDA 158471	Soil	6.5	98.5	11.6	141	0.8	48.8	16.2	456	3.11	11.2	2.3	13.5	5.2	92	0.8	1.9	0.2	85	1.73
IDA 146208	Soil	1.9	47.7	11.3	87	0.3	25.9	11.9	470	2.38	7.9	0.8	13.2	1.4	28	0.3	0.9	0.2	47	0.32



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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www.acmelab.com

Client:

Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

Project:

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 145743	Soil	14	26	0.47	199	0.040	<1	1.19	0.008	0.04	0.2	0.03	2.7	<0.1	<0.05	4	<0.5	<0.2
IDA 128095	Soil	15	25	0.63	639	0.022	3	1.38	0.008	0.14	0.1	0.06	2.7	0.2	<0.05	4	0.6	<0.2
IDA 128081	Soil	16	25	0.59	577	0.014	2	1.28	0.005	0.11	<0.1	0.20	2.5	0.2	<0.05	4	0.7	<0.2
IDA 128085	Soil	14	27	0.69	376	0.033	2	1.21	0.006	0.06	0.1	0.09	3.6	0.1	<0.05	4	0.8	<0.2
IDA 128091	Soil	15	28	0.53	359	0.045	<1	1.23	0.014	0.06	0.2	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
IDA 158479	Soil	13	23	0.47	386	0.020	2	1.23	0.006	0.05	0.1	0.10	2.1	0.2	<0.05	4	0.5	<0.2
IDA 158481	Soil	20	23	0.58	606	0.015	3	1.28	0.008	0.12	0.3	0.15	2.4	0.2	<0.05	5	0.5	<0.2
IDA 158480	Soil	20	27	0.73	606	0.017	3	1.41	0.006	0.14	0.2	0.07	2.0	0.2	<0.05	5	1.0	<0.2
IDA 158486	Soil	15	25	0.47	231	0.037	1	1.17	0.007	0.06	0.2	0.07	2.4	0.1	<0.05	4	0.7	<0.2
IDA 128485	Soil	16	20	0.53	460	0.021	5	1.09	0.009	0.07	0.1	0.40	3.4	0.2	<0.05	3	1.7	<0.2
IDA 128487	Soil	20	24	0.75	427	0.017	3	1.12	0.009	0.09	<0.1	0.21	3.2	0.1	<0.05	3	1.5	<0.2
IDA 128492	Soil	15	21	0.65	566	0.013	5	1.22	0.006	0.11	<0.1	0.19	3.0	0.1	<0.05	4	0.8	<0.2
IDA 128489	Soil	11	12	0.21	365	0.011	3	0.58	0.007	0.05	<0.1	0.12	0.8	0.2	<0.05	3	1.0	0.3
IDA 128495	Soil	16	29	0.57	347	0.054	2	1.26	0.014	0.06	0.2	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
IDA 128084	Soil	12	29	0.40	193	0.036	2	1.10	0.005	0.05	0.2	0.06	1.8	0.2	<0.05	6	<0.5	<0.2
IDA 128088	Soil	15	21	0.66	560	0.011	3	1.24	0.007	0.12	<0.1	0.20	3.1	0.2	<0.05	4	1.0	<0.2
IDA 128083	Soil	10	16	0.42	319	0.009	4	0.76	0.006	0.10	<0.1	0.18	2.3	0.2	<0.05	2	2.3	<0.2
IDA 128109	Soil	14	25	0.51	272	0.047	1	1.18	0.011	0.05	0.2	0.04	2.8	0.1	<0.05	3	<0.5	<0.2
IDA 128490	Soil	17	20	0.51	634	0.016	2	1.04	0.011	0.06	0.1	0.20	3.5	0.2	<0.05	3	0.9	<0.2
IDA 128082	Soil	15	21	0.41	406	0.017	3	1.21	0.007	0.09	<0.1	0.15	1.7	0.2	<0.05	4	1.3	<0.2
IDA 128090	Soil	15	31	0.61	384	0.063	1	1.29	0.018	0.08	0.2	0.04	3.8	<0.1	<0.05	4	<0.5	<0.2
IDA 150179	Soil	18	24	0.70	532	0.018	4	1.28	0.008	0.18	<0.1	0.18	3.7	0.2	<0.05	4	0.6	<0.2
IDA 145741	Soil	16	27	0.53	393	0.051	1	1.36	0.010	0.07	0.3	0.12	3.8	0.2	<0.05	4	<0.5	<0.2
IDA 158485	Soil	21	31	0.67	297	0.044	3	1.49	0.011	0.13	1.1	0.23	3.0	0.4	<0.05	4	1.4	0.4
IDA 128488	Soil	21	26	0.87	447	0.022	5	1.34	0.009	0.14	0.1	0.14	3.4	0.2	<0.05	5	0.5	<0.2
IDA 158482	Soil	20	25	0.60	705	0.016	3	1.42	0.008	0.11	0.2	0.23	2.8	0.2	<0.05	4	1.0	<0.2
IDA 158469	Soil	14	25	0.46	222	0.036	2	1.15	0.012	0.05	0.3	0.05	2.4	<0.1	<0.05	3	<0.5	<0.2
IDA 158487	Soil	15	31	0.59	294	0.055	1	1.35	0.012	0.05	0.2	0.05	3.7	<0.1	<0.05	4	<0.5	<0.2
IDA 158471	Soil	25	57	1.04	696	0.086	5	1.35	0.014	0.17	0.1	0.26	5.5	0.3	<0.05	4	1.3	<0.2
IDA 146208	Soil	15	27	0.45	406	0.025	3	1.26	0.008	0.08	0.2	0.09	2.8	0.2	<0.05	4	0.6	<0.2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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Client: **Ryan Gold**
402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
IDA 150402	Soil	3.0	39.8	12.2	88	0.4	23.6	10.7	631	2.05	121.0	2.2	18.2	2.4	28	0.5	3.1	0.7	58	0.38
IDA 150403	Soil	4.5	114.2	20.8	81	0.4	44.7	13.0	421	2.87	728.0	6.0	34.1	3.8	42	0.3	11.5	4.9	80	0.46
IDA 150405	Soil	1.4	37.9	11.8	89	0.2	31.7	10.4	395	2.79	26.7	0.7	6.1	4.0	30	0.2	1.6	0.3	62	0.45
IDA 150419	Soil	16.4	105.3	15.2	827	0.9	119.8	13.9	168	3.27	29.3	7.4	11.5	4.2	73	3.3	6.1	0.2	168	0.12
IDA 150404	Soil	3.0	56.8	14.5	87	0.3	35.0	11.7	355	2.53	301.5	5.0	42.3	3.6	31	0.4	5.1	1.4	63	0.44
IDA 128454	Soil	7.1	70.6	17.5	127	1.7	39.1	14.5	409	3.54	18.8	1.5	26.1	0.8	25	1.1	6.8	0.3	67	0.15
IDA 150406	Soil	1.6	41.0	11.5	85	0.2	28.7	11.0	358	2.44	54.6	1.1	18.9	4.3	28	0.4	2.3	0.4	58	0.43
IDA 128463	Soil	5.6	135.3	35.3	263	1.0	68.0	29.5	2130	4.85	29.6	1.3	9.8	2.1	49	1.8	11.5	0.3	76	0.54
IDA 156610	Soil	2.2	37.8	28.6	95	0.5	24.9	9.5	426	2.78	12.3	1.4	4.7	0.5	13	0.7	3.8	0.2	76	0.12
IDA 156616	Soil	5.4	118.6	46.2	140	0.6	32.7	22.0	1334	3.66	16.9	2.0	9.7	0.5	22	0.8	6.2	0.4	115	0.12
IDA 150199	Soil	1.6	30.6	10.2	63	0.5	19.4	6.1	152	1.79	6.1	1.1	9.9	1.4	20	0.2	1.1	0.2	53	0.17
IDA 146013	Soil	3.9	34.8	13.7	75	0.3	27.8	8.4	220	2.50	319.4	5.2	10.5	1.8	25	0.9	3.4	1.2	71	0.26
IDA 150194	Soil	3.0	48.8	12.2	101	0.2	38.2	14.6	443	3.28	15.2	1.0	6.8	4.6	19	0.3	2.2	0.2	62	0.11
IDA 150198	Soil	2.0	25.8	13.7	74	0.2	20.3	9.7	519	2.97	16.6	1.3	5.5	0.9	17	1.1	0.8	0.2	71	0.10
IDA 150195	Soil	2.1	72.9	19.6	117	<0.1	37.3	12.8	373	4.04	16.2	0.6	2.0	3.1	14	0.3	1.6	0.3	84	0.09
IDA 128171	Soil	2.6	57.1	9.1	108	0.8	26.8	7.6	174	2.13	5.3	0.9	13.5	2.6	30	0.7	0.9	0.1	55	0.52
IDA 150189	Soil	1.4	32.9	9.5	86	0.1	31.5	9.9	370	2.49	14.4	0.6	5.2	3.6	25	0.3	1.0	0.2	56	0.46
IDA 146012	Soil	8.3	111.7	81.5	178	1.8	61.2	16.4	705	3.97	727.7	5.6	34.6	4.8	71	1.3	36.3	4.4	104	0.30
IDA 150192	Soil	3.5	37.9	9.8	102	0.4	32.8	12.5	297	2.50	13.5	1.1	6.5	3.6	15	0.4	1.3	0.2	60	0.10
IDA 128170	Soil	2.1	80.5	6.8	134	1.1	28.0	6.2	231	1.66	4.7	1.1	15.4	0.9	46	1.5	0.8	0.2	44	1.09
IDA 146205	Soil	2.2	28.9	10.0	53	0.1	12.2	4.2	113	1.66	7.7	0.5	4.6	1.0	11	0.6	0.7	0.3	56	0.08
IDA 146206	Soil	0.7	25.9	7.8	53	0.4	7.8	1.3	49	0.52	4.1	0.5	2.7	<0.1	10	0.5	0.3	0.2	15	0.11
IDA 128173	Soil	1.7	23.6	12.1	77	0.4	17.2	11.2	476	2.52	7.8	1.3	15.2	1.9	15	0.3	0.6	0.2	51	0.16
IDA 128460	Soil	0.6	16.1	54.7	42	2.5	5.4	1.2	37	0.52	4.2	1.5	1.3	0.2	7	1.3	7.3	0.2	18	0.03
IDA 150188	Soil	1.3	26.4	9.4	81	0.2	24.8	8.3	243	2.48	13.7	0.6	5.5	3.4	26	0.4	1.0	0.2	52	0.38
IDA 128459	Soil	1.2	31.6	275.4	283	4.0	29.4	10.6	727	2.53	74.8	1.6	10.6	3.1	36	2.7	161.1	0.3	47	0.34
IDA 150197	Soil	1.5	37.1	15.7	123	0.3	33.1	11.9	501	2.69	11.9	1.3	6.8	4.3	22	0.7	1.8	0.2	46	0.14
IDA 128477	Soil	5.3	57.4	35.2	167	0.8	39.2	10.3	415	2.55	100.7	4.1	21.5	2.2	36	1.0	10.6	1.4	99	0.36
IDA 150196	Soil	1.6	11.9	12.2	50	0.2	12.1	5.6	380	2.77	14.4	0.5	<0.5	2.3	10	<0.1	0.6	0.3	73	0.07
IDA 146008	Soil	2.4	33.5	22.8	81	0.3	20.2	7.0	303	3.54	17.8	0.6	4.3	3.4	13	0.3	1.5	0.3	74	0.10



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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Client:

Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 150402	Soil	18	28	0.58	364	0.031	4	1.55	0.006	0.12	0.2	0.11	2.8	0.3	<0.05	5	0.6	<0.2
IDA 150403	Soil	22	33	0.80	325	0.045	3	1.78	0.011	0.13	1.0	0.67	3.1	0.5	<0.05	6	1.2	0.5
IDA 150405	Soil	17	34	0.64	475	0.056	3	1.70	0.017	0.08	0.2	0.03	4.1	0.1	<0.05	5	<0.5	<0.2
IDA 150419	Soil	10	23	0.12	335	0.004	7	1.01	0.003	0.23	<0.1	0.52	5.0	0.7	<0.05	3	3.1	0.2
IDA 150404	Soil	19	33	0.64	297	0.048	3	1.58	0.011	0.11	0.6	0.22	3.5	0.2	<0.05	5	<0.5	0.5
IDA 128454	Soil	11	29	0.21	393	0.017	3	1.24	0.009	0.12	0.2	0.12	1.8	0.2	<0.05	5	1.4	<0.2
IDA 150406	Soil	17	33	0.64	333	0.052	2	1.58	0.012	0.09	0.3	0.06	4.1	0.1	<0.05	5	<0.5	<0.2
IDA 128463	Soil	25	34	0.52	694	0.010	5	1.65	0.008	0.17	0.1	0.07	4.6	0.3	0.06	6	1.8	0.3
IDA 156610	Soil	14	32	0.54	162	0.030	2	1.83	0.006	0.09	<0.1	0.03	1.6	0.2	<0.05	6	0.6	0.2
IDA 156616	Soil	12	30	0.85	215	0.037	3	2.27	0.008	0.14	0.3	0.07	1.5	0.2	<0.05	9	1.5	0.2
IDA 150199	Soil	16	26	0.40	393	0.020	4	1.39	0.005	0.10	0.2	0.13	2.4	0.2	<0.05	4	<0.5	<0.2
IDA 146013	Soil	15	34	0.53	278	0.033	2	1.79	0.010	0.07	0.2	0.10	3.0	0.2	<0.05	6	1.5	<0.2
IDA 150194	Soil	12	34	0.61	404	0.028	4	1.81	0.005	0.13	<0.1	0.03	3.8	0.2	<0.05	5	0.7	<0.2
IDA 150198	Soil	17	32	0.32	465	0.028	3	1.68	0.006	0.09	0.1	0.06	2.4	0.2	<0.05	6	0.6	<0.2
IDA 150195	Soil	11	41	0.49	375	0.032	2	2.12	0.006	0.09	0.1	0.02	3.9	0.2	<0.05	7	<0.5	0.5
IDA 128171	Soil	16	26	0.53	422	0.022	4	1.20	0.008	0.12	0.1	0.24	3.6	0.2	<0.05	4	0.8	<0.2
IDA 150189	Soil	16	30	0.50	422	0.051	3	1.22	0.015	0.08	0.2	0.03	3.6	0.1	<0.05	4	0.5	<0.2
IDA 146012	Soil	23	37	0.65	550	0.042	3	1.68	0.010	0.21	0.9	0.36	4.5	0.5	0.14	5	3.0	0.3
IDA 150192	Soil	12	28	0.45	334	0.024	3	1.55	0.005	0.13	<0.1	0.04	2.7	0.1	<0.05	5	0.7	0.6
IDA 128170	Soil	19	23	0.37	506	0.015	3	1.12	0.011	0.08	<0.1	0.43	3.3	0.3	0.08	4	1.2	<0.2
IDA 146205	Soil	12	18	0.12	132	0.031	2	0.75	0.005	0.07	0.2	0.04	1.3	0.1	0.05	5	<0.5	<0.2
IDA 146206	Soil	4	10	0.04	147	0.009	2	0.37	0.009	0.05	<0.1	0.09	0.8	<0.1	0.07	2	<0.5	0.3
IDA 128173	Soil	14	26	0.46	376	0.017	2	1.47	0.005	0.12	0.1	0.10	2.6	0.2	<0.05	6	0.8	0.3
IDA 128460	Soil	6	9	0.02	124	0.004	2	0.47	0.009	0.04	<0.1	0.17	0.4	<0.1	0.05	2	0.9	<0.2
IDA 150188	Soil	15	28	0.50	348	0.047	2	1.31	0.014	0.08	0.3	0.05	3.5	0.1	<0.05	4	0.6	<0.2
IDA 128459	Soil	19	26	0.34	338	0.026	3	1.33	0.006	0.11	0.2	0.26	4.0	0.3	<0.05	4	0.6	<0.2
IDA 150197	Soil	15	25	0.36	478	0.028	3	1.28	0.007	0.10	0.1	0.07	3.6	0.2	<0.05	4	<0.5	0.3
IDA 128477	Soil	19	30	0.42	572	0.024	4	1.44	0.007	0.11	0.2	0.30	3.1	0.5	<0.05	5	2.4	0.3
IDA 150196	Soil	12	23	0.15	301	0.034	<1	1.13	0.004	0.06	0.1	0.03	1.8	0.2	<0.05	8	<0.5	<0.2
IDA 146008	Soil	13	26	0.21	202	0.032	1	1.60	0.005	0.07	0.1	0.06	2.9	0.2	<0.05	7	0.8	0.3



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Vancouver BC V6C1L6 Canada

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
IDA 150191	Soil	3.6	82.2	29.0	85	0.4	31.5	13.9	570	2.66	497.7	3.6	52.9	4.2	34	0.5	11.9	2.7	73	0.37
IDA 150193	Soil	2.5	35.7	10.4	89	0.2	31.7	11.4	425	2.74	13.6	1.0	8.1	4.9	24	0.4	1.2	0.2	61	0.19
IDA 128461	Soil	1.0	7.4	12.3	34	0.2	8.6	2.3	94	0.93	11.6	0.4	3.5	1.1	9	<0.1	2.7	0.3	45	0.05
IDA 146010	Soil	1.2	14.6	12.5	47	0.4	12.3	3.9	86	1.51	8.9	0.8	6.5	1.0	22	0.3	0.7	0.2	46	0.17
IDA 128476	Soil	1.8	30.4	11.0	79	0.2	23.0	7.5	257	2.24	67.3	1.3	16.8	3.5	21	0.4	3.3	0.5	61	0.23



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Phone (604) 253-3158 Fax (604) 253-1716

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CERTIFICATE OF ANALYSIS

WHI10000413.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 150191	Soil	20	34	0.67	338	0.045	2	1.80	0.014	0.10	0.6	0.54	3.7	0.5	<0.05	6	1.5	0.6
IDA 150193	Soil	15	29	0.52	503	0.040	3	1.54	0.009	0.14	<0.1	0.05	3.5	0.1	<0.05	5	0.8	0.3
IDA 128461	Soil	13	14	0.09	81	0.021	<1	0.65	0.004	0.05	<0.1	0.07	1.2	0.2	<0.05	6	<0.5	<0.2
IDA 146010	Soil	13	20	0.27	385	0.013	2	1.16	0.005	0.08	0.2	0.11	1.8	0.2	<0.05	5	0.6	<0.2
IDA 128476	Soil	17	29	0.50	261	0.041	2	1.54	0.008	0.09	0.3	0.13	3.0	0.2	<0.05	5	0.6	0.3



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Phone (604) 253-3158 Fax (604) 253-1716

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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
IDA 128151	Soil	0.6	25.3	3.2	61	0.2	6.5	1.7	268	0.32	5.4	1.2	1.1	<0.1	141	0.7	2.1	<0.1	6	4.03	0.057
REP IDA 128151	QC	0.6	24.9	3.5	66	0.2	7.7	1.9	301	0.35	4.1	1.1	3.6	<0.1	156	0.7	2.3	<0.1	6	4.16	0.060
IDA 150181	Soil	2.9	38.5	12.0	82	0.5	18.0	16.2	740	2.00	6.4	1.3	5.5	0.9	22	0.8	1.0	0.2	51	0.24	0.086
REP IDA 150181	QC	2.8	37.0	11.9	81	0.5	17.9	16.4	742	1.98	6.5	1.3	7.4	1.0	22	0.8	1.0	0.2	51	0.24	0.087
IDA 145528	Soil	1.4	29.9	8.5	94	0.1	25.9	8.3	283	2.00	13.0	2.1	2.5	3.6	18	0.4	2.1	0.2	52	0.21	0.061
REP IDA 145528	QC	1.2	31.3	8.7	97	0.2	25.5	8.4	288	2.05	13.8	2.1	3.0	3.5	18	0.4	2.2	0.2	54	0.21	0.062
IDA 145531	Soil	1.9	24.9	9.2	70	0.2	19.1	5.2	134	1.96	13.6	1.2	3.7	0.7	13	0.2	5.7	0.3	47	0.13	0.063
REP IDA 145531	QC	1.9	25.0	9.6	69	0.2	18.8	5.3	134	1.95	13.8	1.3	6.5	0.7	13	0.3	5.5	0.3	48	0.13	0.062
IDA 156580	Soil	1.7	34.0	193.0	175	1.0	45.9	25.7	1369	3.31	20.6	2.6	3.0	6.7	38	1.4	118.4	0.2	52	0.21	0.058
REP IDA 156580	QC	1.8	33.4	199.4	177	1.0	46.6	26.5	1367	3.35	19.8	2.5	3.2	6.7	37	1.4	117.6	0.2	54	0.21	0.061
IDA 156579	Soil	1.5	28.1	138.3	117	4.5	22.2	6.7	452	2.44	15.5	1.4	2.8	1.1	17	1.9	70.4	0.2	48	0.09	0.082
REP IDA 156579	QC	1.5	28.8	141.3	119	4.7	23.5	6.6	462	2.51	15.7	1.4	7.8	0.9	18	1.8	71.4	0.2	49	0.10	0.084
IDA 150154	Soil	4.3	282.3	72.6	304	7.4	79.2	25.2	993	7.25	58.0	1.1	15.2	4.6	15	0.9	45.8	0.5	91	0.04	0.074
REP IDA 150154	QC	4.5	285.3	72.8	300	7.2	80.3	25.0	958	7.32	59.2	1.1	11.9	4.6	15	1.0	44.9	0.5	92	0.04	0.073
IDA 146217	Soil	10.0	55.0	10.2	150	0.4	39.1	9.7	551	1.77	13.1	1.9	9.2	1.9	53	1.6	2.9	0.2	77	0.85	0.062
REP IDA 146217	QC	9.4	53.6	10.4	146	0.4	38.2	9.6	538	1.75	12.8	1.9	7.5	1.8	52	1.6	2.9	0.2	77	0.83	0.061
IDA 158472	Soil	9.6	106.4	45.8	276	1.1	54.4	11.8	390	3.08	11.0	1.2	13.4	3.0	43	1.3	2.6	0.2	76	0.75	0.102
REP IDA 158472	QC	9.7	111.7	48.0	284	1.1	56.1	12.4	407	3.17	12.0	1.4	17.0	3.1	44	1.8	2.6	0.2	78	0.79	0.107
IDA 158471	Soil	6.5	98.5	11.6	141	0.8	48.8	16.2	456	3.11	11.2	2.3	13.5	5.2	92	0.8	1.9	0.2	85	1.73	0.129
REP IDA 158471	QC	6.5	97.8	11.8	137	0.8	48.7	16.1	450	3.10	10.8	2.4	14.7	5.2	90	0.8	1.8	0.2	85	1.76	0.131
IDA 150406	Soil	1.6	41.0	11.5	85	0.2	28.7	11.0	358	2.44	54.6	1.1	18.9	4.3	28	0.4	2.3	0.4	58	0.43	0.084
REP IDA 150406	QC	1.9	41.1	12.0	89	0.2	32.2	10.8	368	2.49	57.3	1.2	14.3	4.4	29	0.5	2.3	0.5	63	0.43	0.086
IDA 128476	Soil	1.8	30.4	11.0	79	0.2	23.0	7.5	257	2.24	67.3	1.3	16.8	3.5	21	0.4	3.3	0.5	61	0.23	0.063
REP IDA 128476	QC	1.9	31.7	11.4	77	0.2	24.1	7.8	265	2.19	70.4	1.2	14.9	3.2	21	0.3	3.3	0.5	62	0.25	0.062
Reference Materials																					
STD DS7	Standard	20.3	108.9	70.5	382	1.0	58.2	9.2	575	2.23	48.9	4.9	82.7	4.4	70	6.0	5.8	4.4	84	0.83	0.070
STD DS7	Standard	21.4	110.9	69.2	386	0.9	58.4	9.5	575	2.22	48.7	4.8	71.8	4.4	68	5.7	5.7	4.4	89	0.86	0.073
STD DS7	Standard	22.5	117.5	70.4	405	1.1	58.4	9.9	609	2.38	49.9	5.1	84.8	4.8	73	6.1	6.1	4.5	89	0.93	0.075



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Phone (604) 253-3158 Fax (604) 253-1716

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402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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Report Date: October 01, 2010

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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
IDA 128151	Soil	2	7	0.31	348	0.006	9	0.20	0.019	0.01	<0.1	0.09	0.3	<0.1	0.09	<1	2.5	<0.2
REP IDA 128151	QC	2	9	0.34	376	0.009	11	0.25	0.021	0.02	<0.1	0.11	0.3	<0.1	0.09	<1	2.3	<0.2
IDA 150181	Soil	18	27	0.53	413	0.015	3	1.34	0.009	0.11	<0.1	0.12	1.9	0.2	<0.05	5	0.6	<0.2
REP IDA 150181	QC	17	27	0.53	412	0.014	3	1.36	0.009	0.11	0.1	0.13	1.8	0.2	<0.05	5	0.7	<0.2
IDA 145528	Soil	16	24	0.49	203	0.046	2	1.28	0.008	0.05	0.2	0.07	2.6	0.1	<0.05	3	0.5	<0.2
REP IDA 145528	QC	16	24	0.50	210	0.046	<1	1.30	0.007	0.05	0.2	0.07	2.9	0.1	<0.05	4	0.6	<0.2
IDA 145531	Soil	14	25	0.41	105	0.029	<1	1.27	0.005	0.05	0.1	0.13	1.3	0.3	<0.05	4	0.8	<0.2
REP IDA 145531	QC	14	25	0.41	106	0.029	2	1.29	0.007	0.05	0.1	0.13	1.3	0.3	<0.05	4	0.9	<0.2
IDA 156580	Soil	21	29	0.82	665	0.064	1	2.29	0.006	0.20	0.2	0.04	3.5	0.3	<0.05	6	<0.5	<0.2
REP IDA 156580	QC	20	30	0.80	672	0.064	1	2.34	0.006	0.20	0.2	0.03	3.6	0.4	<0.05	6	0.6	<0.2
IDA 156579	Soil	8	23	0.40	267	0.039	2	1.39	0.009	0.10	0.2	0.08	1.4	0.1	<0.05	4	0.7	<0.2
REP IDA 156579	QC	9	24	0.43	265	0.044	1	1.50	0.010	0.10	0.2	0.08	1.4	0.2	<0.05	5	0.8	<0.2
IDA 150154	Soil	22	39	0.17	181	0.012	<1	1.35	0.005	0.06	0.2	0.21	5.5	0.4	<0.05	5	1.7	0.4
REP IDA 150154	QC	22	39	0.17	179	0.017	2	1.37	0.004	0.06	0.2	0.20	5.3	0.4	<0.05	5	1.9	0.3
IDA 146217	Soil	11	21	0.44	594	0.017	2	1.03	0.007	0.06	0.1	0.32	2.6	0.3	<0.05	3	1.2	<0.2
REP IDA 146217	QC	11	21	0.43	600	0.017	<1	0.99	0.007	0.06	0.2	0.32	2.8	0.3	<0.05	3	1.4	<0.2
IDA 158472	Soil	22	25	0.69	710	0.006	4	1.62	0.005	0.10	0.1	0.32	4.3	0.3	<0.05	4	2.0	<0.2
REP IDA 158472	QC	24	27	0.71	729	0.007	4	1.69	0.005	0.11	0.1	0.31	4.7	0.3	<0.05	5	1.8	<0.2
IDA 158471	Soil	25	57	1.04	696	0.086	5	1.35	0.014	0.17	0.1	0.26	5.5	0.3	<0.05	4	1.3	<0.2
REP IDA 158471	QC	24	55	1.09	702	0.087	6	1.37	0.014	0.17	0.1	0.24	5.4	0.3	0.06	4	1.6	<0.2
IDA 150406	Soil	17	33	0.64	333	0.052	2	1.58	0.012	0.09	0.3	0.06	4.1	0.1	<0.05	5	<0.5	<0.2
REP IDA 150406	QC	17	34	0.64	345	0.055	3	1.61	0.014	0.09	0.2	0.06	4.2	0.1	<0.05	5	<0.5	<0.2
IDA 128476	Soil	17	29	0.50	261	0.041	2	1.54	0.008	0.09	0.3	0.13	3.0	0.2	<0.05	5	0.6	0.3
REP IDA 128476	QC	17	29	0.50	256	0.045	2	1.60	0.008	0.10	0.3	0.11	3.1	0.2	<0.05	5	<0.5	0.3
Reference Materials																		
STD DS7	Standard	13	192	0.98	358	0.116	38	0.92	0.102	0.44	3.5	0.24	2.5	3.9	0.16	4	3.3	0.9
STD DS7	Standard	12	198	1.00	359	0.121	38	0.93	0.091	0.46	3.4	0.23	2.3	3.8	0.15	4	2.9	0.9
STD DS7	Standard	13	209	1.06	385	0.130	37	0.99	0.100	0.47	3.7	0.21	2.5	4.2	0.14	4	3.3	1.4



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1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client:

Ryan Gold

402 - 905 West Pender St.

Vancouver BC V6C1L6 Canada

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Part 1

QUALITY CONTROL REPORT

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		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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD DS7	Standard	20.1	101.0	67.3	390	1.0	55.8	8.8	633	2.33	50.5	4.9	69.1	5.1	72	6.0	5.1	4.1	88	1.05	0.073
STD DS7	Standard	20.5	104.6	70.5	394	1.0	57.3	9.1	611	2.32	51.1	5.0	67.5	4.6	69	6.1	5.1	4.1	86	1.00	0.078
STD DS7	Standard	20.4	107.1	67.0	375	0.9	56.2	8.8	575	2.20	48.2	4.8	61.6	4.9	75	5.6	5.7	4.3	87	0.89	0.070
STD DS7	Standard	20.5	107.3	69.2	382	1.0	57.0	9.4	565	2.20	48.3	4.9	66.7	4.3	64	5.3	5.7	4.3	82	0.83	0.074
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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:

Ryan Gold

402 - 905 West Pender St.

Vancouver BC V6C1L6 Canada

Project:

IDA

Report Date:

October 01, 2010

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Part 2

QUALITY CONTROL REPORT

WHI10000413.1

		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
STD DS7	Standard	16	204	1.05	388	0.116	41	1.13	0.107	0.46	3.6	0.22	3.2	4.2	0.19	5	3.2	1.9
STD DS7	Standard	14	203	1.07	402	0.111	43	1.06	0.105	0.44	3.7	0.21	2.8	4.4	0.13	5	3.2	1.1
STD DS7	Standard	14	200	0.98	358	0.124	36	0.96	0.091	0.43	3.5	0.23	2.6	3.7	0.18	4	3.1	1.1
STD DS7	Standard	11	188	0.98	347	0.110	38	0.89	0.078	0.41	3.5	0.21	2.1	3.8	0.16	4	2.7	1.0
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

Submitted By: Email Distribution
Receiving Lab: Canada-Whitehorse
Received: September 09, 2010
Report Date: October 21, 2010
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI10000430.1

CLIENT JOB INFORMATION

Project: IDA
Shipment ID: IDA4
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

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

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

Invoice To: Ryan Gold
402 - 905 West Pender St.
Vancouver BC V6C1L6
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	320	Dry at 60C			WHI
1DX2	320	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



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



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

Project:

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Report Date:

October 21, 2010

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Part 1

CERTIFICATE OF ANALYSIS

WHI10000430.1

	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
IDA 112378	Soil				2.6	36.4	18.8	95	0.4	28.0	8.1	566	2.23	21.8	1.8	6.4	3.5	49	0.4	4.2	0.3	52	0.45	0.090
IDA 112387	Soil				2.4	26.1	12.2	114	0.1	29.1	8.5	197	3.48	11.3	0.8	4.8	3.4	17	0.4	1.6	0.3	65	0.11	0.033
IDA 112389	Soil				5.2	145.1	151.9	443	2.2	61.9	21.6	1238	4.60	42.3	3.2	14.4	5.5	39	5.8	46.1	2.0	109	0.28	0.135
IDA 112383	Soil				2.0	27.6	20.4	69	0.3	28.3	13.3	359	3.42	13.2	0.6	0.9	3.3	12	0.4	1.8	0.3	60	0.07	0.036
IDA 112388	Soil				6.6	61.2	9.1	81	0.4	16.4	3.5	106	1.58	4.8	2.1	2.9	0.3	65	1.5	1.2	0.3	120	0.19	0.082
IDA 112386	Soil				1.7	56.5	15.3	84	0.2	36.8	21.4	460	3.57	26.4	1.8	22.7	4.5	30	0.2	1.6	1.0	89	0.32	0.077
IDA 112384	Soil				4.5	56.4	40.8	86	0.8	25.4	12.6	574	2.68	20.1	2.2	6.8	1.5	39	0.4	9.5	0.6	71	0.17	0.064
IDA 112379	Soil				2.6	55.2	36.8	114	0.4	36.9	13.9	584	2.99	39.2	2.2	5.8	3.0	50	0.6	9.6	0.4	66	0.18	0.093
IDA 112377	Soil				6.4	112.9	37.3	223	0.7	58.6	17.5	724	3.42	297.2	6.4	28.3	2.0	53	1.5	16.5	3.1	114	0.44	0.148
IDA 156505	Soil				2.9	49.7	13.4	136	0.1	40.6	10.3	315	2.62	105.9	1.9	9.5	2.6	20	0.5	4.3	1.0	61	0.19	0.103
IDA 112382	Soil				3.6	53.2	40.3	92	0.3	35.9	15.1	700	3.22	37.9	1.5	19.3	4.9	43	1.0	10.5	0.6	62	0.09	0.061
IDA 155859	Soil				4.4	115.9	37.7	100	0.5	44.3	8.7	325	3.85	223.0	5.3	12.1	1.5	25	0.8	15.7	2.2	111	0.11	0.124
IDA 155356	Soil				5.8	64.5	34.7	72	1.3	20.4	4.7	147	3.09	30.3	6.4	7.0	0.4	41	0.3	7.5	0.3	158	0.19	0.260
IDA 156288	Soil				3.5	350.1	47.3	83	1.0	50.2	10.5	467	2.70	1332	5.2	644.1	3.8	18	1.0	26.3	13.6	125	0.27	0.111
IDA 156284	Soil				4.2	203.0	34.9	80	1.1	20.4	8.7	454	2.71	622.5	4.2	267.4	6.0	32	0.5	25.6	3.5	62	0.17	0.088
IDA 155364	Soil				2.0	19.0	12.6	51	0.1	13.4	4.8	178	2.67	19.9	0.8	3.9	1.9	11	0.2	0.9	0.7	67	0.06	0.052
IDA 155951	Soil				6.2	35.6	32.9	104	1.2	33.0	10.0	337	2.71	29.0	1.4	8.9	2.8	15	0.3	13.4	0.3	53	0.04	0.075
IDA 137404	Soil				2.3	144.4	57.0	164	0.8	44.3	17.3	566	3.73	531.7	4.9	14.0	5.6	23	1.8	26.1	3.0	62	0.10	0.078
IDA 155950	Soil				6.5	32.6	38.8	96	1.3	28.2	8.0	277	2.52	29.5	1.5	10.1	2.5	15	0.3	13.0	0.3	50	0.03	0.072
IDA 155948	Soil				1.7	75.1	15.3	90	0.2	39.3	17.7	774	5.06	15.7	1.1	6.8	4.2	48	0.2	3.0	0.4	94	0.09	0.108
IDA 156502	Soil				1.3	26.7	12.1	55	0.1	17.6	5.8	196	2.40	37.6	1.3	4.0	1.7	11	0.3	2.9	0.4	56	0.09	0.057
IDA 156504	Soil				1.9	27.0	10.5	62	0.2	17.5	5.7	223	2.25	41.3	1.5	4.6	0.7	12	0.3	2.4	0.4	50	0.09	0.072
IDA 156801	Soil				15.0	91.1	21.5	108	0.5	60.4	17.3	762	4.08	48.0	6.5	6.3	3.0	32	0.4	7.2	0.8	173	0.09	0.085
IDA 156802	Soil				2.6	55.5	13.8	99	0.1	28.5	16.2	1007	3.55	16.0	1.0	3.9	2.4	19	0.6	1.8	0.3	51	0.07	0.057
IDA 156795	Soil				1.6	19.6	10.3	46	0.1	12.4	4.5	170	2.26	24.2	0.8	9.1	0.5	9	0.3	0.8	0.3	50	0.07	0.041
IDA 156796	Soil				2.4	33.6	13.4	66	0.3	21.4	9.7	450	2.60	48.6	1.7	12.5	0.5	15	0.3	2.3	0.6	72	0.08	0.075
IDA 156794	Soil				1.2	13.8	9.0	48	<0.1	11.3	5.1	297	2.11	24.1	0.7	4.2	0.5	8	0.3	1.0	0.4	46	0.06	0.045
IDA 156787	Soil				3.5	122.7	173.1	140	0.4	54.1	17.8	486	4.18	244.5	5.4	6.4	4.8	30	1.1	109.0	2.2	54	0.16	0.106
IDA 156790	Soil				2.6	32.5	14.1	66	0.1	20.2	6.5	270	2.37	71.4	1.4	5.7	1.3	12	0.4	4.6	0.7	58	0.10	0.063
IDA 156786	Soil				2.8	98.3	145.0	148	0.6	46.9	23.6	794	4.00	303.5	7.5	6.2	4.4	46	2.0	85.3	2.2	55	0.18	0.106



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Ryan Gold**
402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

Project: IDA
Report Date: October 21, 2010

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CERTIFICATE OF ANALYSIS

WHI10000430.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 112378	Soil	17	31	0.50	314	0.035	2	1.18	0.010	0.07	0.2	0.06	3.1	0.1	0.07	4	2.2	<0.2
IDA 112387	Soil	11	27	0.46	155	0.066	1	1.55	0.007	0.05	0.4	0.05	2.4	<0.1	<0.05	7	0.6	<0.2
IDA 112389	Soil	19	58	1.34	519	0.138	3	2.17	0.013	0.24	0.5	0.06	4.4	0.2	<0.05	8	2.4	0.6
IDA 112383	Soil	11	28	0.36	366	0.033	1	1.76	0.006	0.06	0.2	0.04	2.1	<0.1	<0.05	6	<0.5	<0.2
IDA 112388	Soil	9	22	0.21	141	0.032	1	0.98	0.008	0.04	0.3	0.04	1.2	<0.1	<0.05	7	0.8	<0.2
IDA 112386	Soil	16	31	1.35	444	0.096	3	2.56	0.024	0.11	0.4	0.03	3.7	0.2	<0.05	8	0.8	<0.2
IDA 112384	Soil	14	32	0.72	318	0.046	2	1.61	0.010	0.09	0.2	0.04	2.3	0.2	<0.05	6	2.2	<0.2
IDA 112379	Soil	17	31	0.47	320	0.029	2	1.71	0.007	0.09	0.2	0.04	3.0	0.1	<0.05	5	0.9	<0.2
IDA 112377	Soil	18	37	0.80	387	0.035	3	1.79	0.016	0.14	0.3	0.15	2.7	0.4	0.06	6	2.8	0.3
IDA 156505	Soil	13	27	0.46	131	0.041	1	1.61	0.009	0.09	0.3	0.05	2.1	0.2	<0.05	4	1.1	<0.2
IDA 112382	Soil	15	30	0.45	529	0.035	2	1.74	0.008	0.09	0.2	0.04	2.9	0.2	<0.05	5	1.0	<0.2
IDA 155859	Soil	22	43	0.64	289	0.038	2	2.34	0.015	0.12	0.4	0.17	2.7	0.5	0.09	8	2.2	<0.2
IDA 155356	Soil	15	49	0.20	356	0.015	2	1.41	0.006	0.07	0.2	0.28	1.3	0.5	<0.05	6	5.5	<0.2
IDA 156288	Soil	19	41	0.56	298	0.054	2	1.29	0.008	0.20	0.4	0.39	3.6	0.5	<0.05	6	0.9	0.4
IDA 156284	Soil	23	30	0.43	278	0.052	2	1.26	0.010	0.15	0.3	1.41	3.8	0.8	0.06	5	0.8	<0.2
IDA 155364	Soil	14	24	0.37	120	0.040	2	1.44	0.007	0.09	0.1	0.04	1.6	0.1	<0.05	7	0.6	<0.2
IDA 155951	Soil	17	28	0.27	586	0.015	1	0.74	0.006	0.13	0.1	0.04	1.5	0.3	0.15	4	3.7	<0.2
IDA 137404	Soil	23	29	0.49	301	0.062	2	2.13	0.007	0.18	0.3	0.21	4.3	1.0	<0.05	8	1.2	<0.2
IDA 155950	Soil	16	28	0.23	545	0.012	2	0.65	0.006	0.14	<0.1	0.03	1.4	0.4	0.18	4	3.7	<0.2
IDA 155948	Soil	17	63	1.16	357	0.117	3	2.70	0.030	0.32	0.2	0.02	4.6	0.4	0.09	10	1.3	<0.2
IDA 156502	Soil	13	28	0.48	103	0.045	2	1.72	0.006	0.06	0.2	0.06	2.1	0.3	<0.05	6	1.0	<0.2
IDA 156504	Soil	11	27	0.47	112	0.035	1	1.54	0.008	0.06	0.2	0.06	1.5	0.2	0.05	5	0.7	<0.2
IDA 156801	Soil	16	34	0.64	388	0.055	2	1.87	0.023	0.16	0.3	0.05	2.8	0.4	0.12	6	2.2	<0.2
IDA 156802	Soil	13	29	0.56	373	0.046	2	1.99	0.017	0.14	0.3	0.04	2.3	0.2	0.05	5	0.8	<0.2
IDA 156795	Soil	11	26	0.34	82	0.037	1	1.62	0.006	0.04	0.1	0.04	1.3	0.2	<0.05	6	0.7	<0.2
IDA 156796	Soil	12	30	0.40	201	0.025	2	1.69	0.009	0.07	0.1	0.04	1.0	0.2	0.06	5	1.1	<0.2
IDA 156794	Soil	10	22	0.28	70	0.028	1	1.23	0.006	0.04	0.1	0.05	1.0	<0.1	<0.05	5	0.5	<0.2
IDA 156787	Soil	21	27	0.53	146	0.048	1	1.89	0.013	0.09	0.6	0.06	2.9	0.3	<0.05	5	1.5	<0.2
IDA 156790	Soil	12	28	0.49	101	0.044	1	1.65	0.007	0.07	0.2	0.04	1.9	0.3	<0.05	6	0.9	<0.2
IDA 156786	Soil	29	26	0.52	177	0.036	2	1.91	0.012	0.08	0.6	0.10	3.3	0.3	<0.05	6	1.6	<0.2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

Project:

IDA

Report Date:

October 21, 2010

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Part 1

CERTIFICATE OF ANALYSIS

WHI10000430.1

	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
IDA 156791	Soil				2.4	39.6	14.7	67	0.2	19.1	10.0	657	2.43	57.9	1.5	3.3	0.9	11	0.4	5.1	0.7	54	0.08	0.064
IDA 156800	Soil				9.3	59.0	15.6	117	0.3	38.4	9.4	442	3.05	23.5	5.8	6.2	1.5	16	0.5	3.9	0.8	206	0.08	0.075
IDA 156367	Soil				1.8	37.8	6.9	61	<0.1	17.8	6.5	419	2.40	16.7	1.7	56.1	1.5	12	0.3	2.2	0.2	109	0.08	0.064
IDA 156364	Soil				2.1	30.8	13.0	63	0.1	17.9	8.1	356	2.48	15.0	1.8	9.3	1.7	11	0.3	3.1	0.2	92	0.08	0.062
IDA 156355	Soil				2.4	45.4	63.9	149	0.3	33.9	14.0	639	2.82	525.3	1.8	15.4	1.4	19	1.7	14.7	7.0	88	0.31	0.134
IDA 156353	Soil				1.9	38.2	12.9	49	0.1	21.8	8.4	211	2.15	84.1	1.1	35.3	1.3	14	0.2	4.8	0.9	69	0.14	0.078
IDA 156359	Soil				3.1	41.1	36.8	66	0.2	24.9	8.7	368	2.45	91.8	1.6	12.4	1.1	22	0.4	11.2	1.5	75	0.18	0.099
IDA 156365	Soil				4.7	51.2	22.2	110	0.2	20.4	5.6	303	2.43	60.9	1.5	22.0	0.9	18	1.5	11.2	0.5	91	0.15	0.053
IDA 156366	Soil				3.7	42.5	19.6	86	0.4	22.5	8.3	530	2.67	98.1	2.2	13.5	1.3	17	0.3	8.1	0.6	132	0.14	0.068
IDA 156368	Soil				2.0	21.4	11.7	54	<0.1	16.1	6.1	309	2.56	14.5	1.2	3.8	4.4	9	0.1	1.7	0.2	108	0.08	0.053
IDA 128400	Soil				2.5	42.2	28.5	114	0.3	28.0	20.0	1563	3.31	15.2	0.7	0.9	0.9	18	1.2	3.6	0.3	62	0.09	0.073
IDA 156523	Soil				2.9	38.4	12.6	56	0.3	17.7	11.0	1206	2.48	8.3	0.7	5.5	0.6	8	0.2	1.7	0.3	75	0.04	0.064
IDA 156520	Soil				2.5	36.3	10.8	58	0.2	21.8	5.4	309	2.16	9.7	1.0	2.4	<0.1	14	0.4	1.4	0.3	68	0.08	0.090
IDA 128398	Soil				5.0	73.0	39.7	104	0.9	31.3	9.3	583	3.32	262.1	4.7	10.8	1.0	65	2.0	20.4	1.7	99	0.14	0.117
IDA 156525	Soil				4.1	36.0	13.0	109	0.7	25.6	5.7	267	2.18	11.5	1.7	3.0	0.2	14	0.6	2.3	0.2	96	0.06	0.086
IDA 156522	Soil				6.7	47.3	31.4	37	0.7	12.9	3.9	265	3.25	24.7	1.4	7.4	0.2	17	0.2	10.2	0.3	140	0.04	0.103
IDA 156519	Soil				2.5	79.1	14.0	122	0.1	68.9	29.1	1121	2.98	9.7	1.5	13.0	1.8	10	0.7	1.1	0.2	60	0.07	0.057
IDA 156524	Soil				2.3	35.1	11.9	81	0.1	27.4	14.5	679	2.83	11.3	1.2	3.3	1.0	14	0.6	2.0	0.3	66	0.10	0.082
IDA 142747	Soil				7.0	466.2	271.8	82	3.2	53.2	27.4	508	4.88	4192	3.8	326.3	4.8	65	1.3	66.3	24.3	79	0.24	0.185
IDA 142748	Soil				7.9	506.8	239.5	197	2.5	155.5	37.2	790	3.47	3031	7.5	418.3	4.5	42	3.4	132.4	21.3	111	0.55	0.287
IDA 156262	Soil				2.9	76.2	52.4	109	0.2	38.8	19.5	572	2.77	264.3	2.0	23.7	4.1	47	0.8	8.9	4.5	75	0.27	0.117
IDA 156265	Soil				3.5	77.4	1130	77	13.6	14.0	4.8	253	2.01	661.5	1.2	226.4	0.4	14	1.3	533.2	6.3	34	0.04	0.073
IDA 156257	Soil				2.0	29.2	16.1	58	0.1	19.8	9.6	398	2.61	58.1	1.8	6.0	0.6	14	0.2	2.9	0.6	89	0.10	0.077
IDA 156263	Soil				4.4	48.3	63.8	106	0.4	40.7	10.9	872	2.70	76.4	2.5	36.4	2.0	60	1.0	16.7	0.9	101	0.66	0.195
IDA 156266	Soil				4.0	216.8	74.3	693	0.8	75.0	13.2	1012	2.78	49.3	2.0	32.0	10.2	23	18.8	79.1	0.3	113	0.43	0.070
IDA 156260	Soil				2.4	26.1	41.6	73	0.2	23.5	11.2	534	2.39	83.5	1.5	6.7	2.8	12	0.7	8.7	1.4	105	0.11	0.087
IDA 142362	Soil				2.7	119.7	41.5	81	1.3	17.2	5.4	418	1.63	784.6	1.8	85.6	0.9	18	1.0	15.2	6.5	69	0.16	0.082
IDA 142360	Soil				2.5	486.3	30.4	62	0.7	46.2	7.6	255	2.03	659.2	4.2	191.2	3.4	43	0.3	27.6	12.6	96	0.24	0.062
IDA 146268	Soil				1.7	120.3	1441	702	4.6	37.5	15.9	1232	3.98	734.1	10.3	59.9	22.1	90	13.0	573.0	4.3	53	0.44	0.107
IDA 156269	Soil				1.8	118.7	1386	678	2.8	37.6	15.8	1233	3.81	693.7	9.9	62.6	20.1	82	12.4	544.4	4.0	48	0.41	0.097



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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Client: **Ryan Gold**
402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 156791	Soil	11	28	0.49	90	0.037	2	1.63	0.008	0.05	0.3	0.04	1.7	0.3	<0.05	6	0.9	0.2
IDA 156800	Soil	14	43	0.66	235	0.059	2	1.97	0.012	0.13	0.2	0.06	2.2	0.3	0.08	8	1.9	0.2
IDA 156367	Soil	13	32	0.85	134	0.074	1	1.65	0.008	0.11	0.2	0.04	2.0	0.1	<0.05	7	1.1	0.2
IDA 156364	Soil	13	34	0.77	124	0.075	2	1.69	0.009	0.08	0.2	0.04	2.3	0.2	<0.05	7	0.8	<0.2
IDA 156355	Soil	18	30	0.70	187	0.020	2	1.75	0.008	0.08	0.2	0.08	2.3	0.3	<0.05	7	1.0	0.5
IDA 156353	Soil	12	28	0.70	118	0.043	2	1.58	0.009	0.11	0.1	0.05	1.9	0.2	0.07	7	0.9	<0.2
IDA 156359	Soil	13	33	0.68	141	0.045	3	2.07	0.010	0.07	0.2	0.05	1.8	0.2	0.06	7	0.7	<0.2
IDA 156365	Soil	11	35	0.60	128	0.052	4	1.56	0.012	0.06	0.2	0.11	1.5	0.3	<0.05	7	0.8	<0.2
IDA 156366	Soil	13	42	1.08	238	0.076	4	2.21	0.011	0.12	0.1	0.22	2.5	0.4	0.08	8	0.7	<0.2
IDA 156368	Soil	16	37	0.63	136	0.139	4	1.77	0.008	0.16	0.2	0.06	2.8	0.2	<0.05	9	0.6	<0.2
IDA 128400	Soil	11	28	0.43	288	0.031	3	1.41	0.009	0.07	0.1	0.04	1.6	0.1	0.07	6	<0.5	<0.2
IDA 156523	Soil	14	21	0.21	165	0.031	3	0.81	0.005	0.07	0.1	0.04	1.0	0.1	0.07	6	<0.5	<0.2
IDA 156520	Soil	12	28	0.17	317	0.023	3	0.87	0.014	0.06	<0.1	0.05	0.9	0.1	0.09	6	0.5	<0.2
IDA 128398	Soil	20	35	0.42	413	0.015	3	1.62	0.007	0.08	0.2	0.08	1.9	0.2	0.06	5	1.9	<0.2
IDA 156525	Soil	12	32	0.44	147	0.023	4	1.46	0.009	0.06	0.1	0.05	0.9	0.2	0.07	5	1.1	<0.2
IDA 156522	Soil	13	40	0.20	334	0.019	3	0.75	0.008	0.10	0.1	0.06	0.7	0.2	0.19	5	3.4	<0.2
IDA 156519	Soil	15	31	0.55	150	0.037	2	1.79	0.006	0.07	0.1	0.04	2.1	0.1	<0.05	5	0.8	<0.2
IDA 156524	Soil	14	32	0.47	167	0.038	3	1.74	0.006	0.07	0.2	0.03	1.5	0.1	<0.05	5	0.7	<0.2
IDA 142747	Soil	37	31	0.52	455	0.038	3	1.44	0.036	0.31	1.0	3.60	3.4	1.7	0.46	5	6.9	1.3
IDA 142748	Soil	35	46	0.44	353	0.027	4	1.19	0.006	0.10	0.6	0.53	4.1	0.8	0.06	3	2.4	1.3
IDA 156262	Soil	15	35	0.98	250	0.072	4	2.60	0.016	0.14	0.4	0.06	3.0	0.2	<0.05	7	1.0	<0.2
IDA 156265	Soil	9	17	0.15	95	0.012	2	0.61	0.005	0.05	<0.1	0.48	1.4	0.6	0.08	2	2.0	<0.2
IDA 156257	Soil	12	33	0.66	135	0.036	2	2.04	0.007	0.07	0.1	0.03	1.4	0.1	0.05	8	0.8	<0.2
IDA 156263	Soil	21	32	0.70	238	0.029	3	1.99	0.012	0.08	0.3	0.08	3.8	0.1	<0.05	6	1.1	<0.2
IDA 156266	Soil	25	44	0.88	493	0.007	1	1.63	0.003	0.42	<0.1	1.61	6.6	0.6	<0.05	6	1.3	<0.2
IDA 156260	Soil	11	36	0.68	121	0.072	3	2.27	0.010	0.09	0.2	0.07	2.7	0.2	<0.05	9	1.0	<0.2
IDA 142362	Soil	9	28	0.46	180	0.033	3	1.09	0.007	0.13	0.2	0.31	1.3	0.3	0.05	5	0.7	<0.2
IDA 142360	Soil	18	43	0.60	205	0.048	2	1.66	0.007	0.08	0.7	0.30	3.3	0.2	<0.05	5	0.6	<0.2
IDA 146268	Soil	51	43	0.72	339	0.060	4	1.46	0.012	0.23	0.1	0.67	7.7	0.8	0.12	5	0.8	<0.2
IDA 156269	Soil	48	42	0.67	320	0.054	3	1.32	0.011	0.21	0.1	0.60	7.0	0.8	0.11	4	1.3	<0.2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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www.acmelab.com

Client: **Ryan Gold**
402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
IDA 156363	Soil	2.1	110.1	957.0	615	2.4	41.1	16.5	1158	3.83	988.8	11.0	50.1	21.5	96	10.9	347.3	4.1	53	0.42
IDA 155474	Soil	3.3	58.5	638.5	83	6.0	22.3	7.0	336	2.75	643.0	3.5	49.2	6.9	55	0.9	85.3	8.5	98	0.25
IDA 156361	Soil	2.3	24.9	110.3	149	1.0	17.3	8.1	498	2.96	58.8	1.1	2.5	1.0	11	1.3	40.2	0.3	77	0.09
IDA 156357	Soil	2.9	27.4	15.1	40	<0.1	17.5	6.2	260	2.18	41.5	1.6	3.8	0.5	18	0.3	5.8	0.4	101	0.13
IDA 158118	Soil	2.0	38.9	43.5	53	1.4	17.1	6.2	253	3.23	40.5	1.0	12.0	2.8	8	0.3	8.0	1.4	61	0.06
IDA 155672	Soil	4.2	56.2	14.5	54	0.1	27.4	9.0	303	2.26	39.7	2.2	5.0	0.3	22	0.3	6.5	0.7	72	0.12
IDA 158078	Soil	2.7	44.5	11.3	52	0.3	26.8	8.4	274	2.80	20.3	1.5	9.5	2.2	14	0.2	5.9	0.9	72	0.09
IDA 158079	Soil	1.8	32.0	13.9	51	0.4	16.4	6.0	269	2.88	24.7	1.0	5.2	1.3	12	0.2	6.1	1.0	58	0.06
IDA 155876	Soil	2.3	61.5	18.6	62	0.2	28.0	10.9	377	3.15	69.1	3.0	5.7	1.2	37	0.3	11.4	1.1	96	0.49
IDA 158080	Soil	2.4	117.5	44.4	108	7.0	61.5	18.0	420	4.85	29.3	4.0	11.0	3.7	16	0.5	21.9	7.9	88	0.06
IDA 158120	Soil	1.8	93.7	52.3	61	2.2	24.5	10.9	320	3.05	203.8	1.2	22.5	4.5	14	0.4	9.6	8.3	55	0.10
IDA 156756	Soil	2.9	31.2	14.9	68	0.2	26.4	18.1	392	2.70	543.8	2.9	17.0	4.0	31	0.3	4.4	0.7	62	0.19
IDA 156761	Soil	3.1	38.7	15.0	97	0.2	22.3	8.1	487	3.19	150.3	2.3	6.8	1.8	16	0.3	11.6	0.8	84	0.07
IDA 158122	Soil	1.9	85.6	32.7	60	1.9	29.8	7.2	161	3.00	196.5	1.2	26.8	2.8	17	0.7	16.0	4.1	57	0.09
IDA 155669	Soil	2.9	30.2	14.6	44	0.3	14.5	4.7	260	2.86	113.0	1.4	6.4	0.2	12	0.2	8.1	1.6	69	0.06
IDA 156759	Soil	1.3	29.1	9.3	63	0.1	22.7	8.1	340	2.49	16.9	1.2	2.7	1.9	12	0.2	2.8	0.2	48	0.10
IDA 155760	Soil	2.8	110.2	71.1	175	2.5	26.2	9.2	306	4.69	691.1	4.8	11.4	7.1	57	1.8	27.9	13.2	66	0.12
IDA 156466	Soil	1.7	29.9	9.4	69	0.1	20.0	5.7	143	1.97	19.8	1.0	4.8	1.3	20	0.2	2.2	0.3	58	0.18
IDA 156465	Soil	2.0	68.4	12.7	123	0.2	33.5	11.3	220	2.83	110.5	1.2	18.9	1.4	24	0.5	4.9	0.4	64	0.21
IDA 156464	Soil	4.1	56.3	16.8	95	0.4	20.8	5.7	145	2.24	29.2	0.9	5.3	2.4	48	0.5	3.3	0.8	76	0.14
IDA 156521	Soil	3.0	40.9	14.0	65	0.5	15.0	5.4	519	2.93	15.9	1.4	4.0	0.2	18	0.2	4.7	0.3	68	0.05
IDA 156516	Soil	1.7	59.0	16.8	78	0.2	36.5	11.6	415	3.45	18.8	1.1	4.9	2.4	21	0.4	6.6	0.3	53	0.08
IDA 156518	Soil	4.1	54.1	9.1	159	0.3	38.9	5.9	425	2.13	6.2	1.5	11.5	0.4	13	0.3	2.3	0.2	144	0.12
IDA 128337	Soil	2.5	42.2	11.3	101	0.3	25.7	9.8	330	2.76	10.9	0.6	4.1	2.8	12	0.7	1.2	0.2	58	0.09
IDA 155602	Soil	3.1	56.3	10.7	79	<0.1	27.0	9.9	393	3.29	17.3	2.1	7.2	1.0	29	0.2	1.4	0.3	104	0.16
IDA 155600	Soil	2.1	61.9	12.8	90	0.2	38.0	15.6	553	3.05	33.6	1.1	7.6	1.5	20	0.4	2.1	0.8	63	0.12
IDA 128223	Soil	1.9	43.2	29.4	140	0.2	70.7	20.1	738	4.00	150.8	5.3	2.3	11.5	20	0.3	7.4	0.8	34	0.33
IDA 128226	Soil	2.0	55.7	19.2	73	0.4	30.7	16.0	626	2.95	171.2	3.7	9.3	4.2	28	0.3	7.6	1.1	52	0.22
IDA 155605	Soil	7.3	39.5	12.3	131	0.4	28.3	9.1	609	2.98	18.1	2.9	4.2	0.5	18	0.6	5.0	0.4	127	0.08
IDA 155607	Soil	13.6	102.8	18.1	203	0.4	76.6	16.0	571	4.19	79.6	6.9	12.5	3.5	38	0.8	14.0	1.1	156	0.08



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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402 - 905 West Pender St.
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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.01	0.1	0.05	1	0.5	0.2
IDA 156363	Soil	51	43	0.66	415	0.061	4	1.36	0.014	0.25	0.1	0.91	7.7	0.9	0.14	5	0.9	0.4
IDA 155474	Soil	18	34	0.40	248	0.046	2	1.56	0.011	0.08	0.5	0.20	2.5	0.6	0.07	5	1.4	0.3
IDA 156361	Soil	12	33	0.51	101	0.052	2	1.74	0.006	0.09	0.1	0.10	1.9	0.3	<0.05	7	0.7	<0.2
IDA 156357	Soil	12	34	0.63	161	0.039	3	1.84	0.008	0.09	<0.1	0.04	1.4	0.2	0.06	8	0.8	<0.2
IDA 158118	Soil	12	26	0.28	115	0.048	2	1.22	0.004	0.06	0.2	0.31	2.2	0.3	<0.05	6	0.9	<0.2
IDA 155672	Soil	11	27	0.57	202	0.025	2	1.78	0.014	0.07	0.2	0.06	0.8	0.3	0.11	6	0.6	<0.2
IDA 158078	Soil	13	34	0.62	176	0.061	3	1.70	0.008	0.14	0.2	0.09	2.2	0.3	0.06	6	0.6	<0.2
IDA 158079	Soil	10	25	0.34	166	0.043	3	1.29	0.006	0.08	0.2	0.11	1.4	0.3	0.12	6	0.5	<0.2
IDA 155876	Soil	20	32	0.65	191	0.029	3	1.81	0.011	0.20	0.4	0.05	1.1	0.4	0.09	6	1.0	<0.2
IDA 158080	Soil	29	128	0.67	442	0.079	3	1.81	0.008	0.25	0.1	0.53	5.4	0.7	0.08	6	1.2	0.3
IDA 158120	Soil	20	31	0.59	217	0.052	4	1.63	0.006	0.12	0.2	0.31	3.2	0.7	0.06	5	1.5	<0.2
IDA 156756	Soil	18	31	0.58	172	0.107	4	2.23	0.019	0.09	1.1	0.05	2.2	0.3	0.06	6	0.9	<0.2
IDA 156761	Soil	13	33	0.53	283	0.054	2	1.97	0.012	0.08	0.2	0.05	3.0	0.3	0.08	7	1.8	<0.2
IDA 158122	Soil	19	30	0.37	257	0.046	2	1.44	0.009	0.10	0.2	0.21	2.8	0.5	0.08	5	2.0	<0.2
IDA 155669	Soil	13	28	0.34	185	0.026	2	1.37	0.009	0.10	0.1	0.06	0.6	0.3	<0.05	8	1.7	<0.2
IDA 156759	Soil	14	23	0.40	303	0.060	2	1.63	0.011	0.06	0.3	0.06	2.0	0.2	<0.05	5	0.8	<0.2
IDA 155760	Soil	35	31	0.47	402	0.042	3	2.20	0.027	0.28	0.3	1.71	6.0	1.6	0.32	7	2.0	<0.2
IDA 156466	Soil	12	25	0.63	173	0.038	2	1.59	0.008	0.09	0.2	0.03	2.2	0.2	<0.05	6	0.7	<0.2
IDA 156465	Soil	15	26	0.78	171	0.045	1	1.78	0.009	0.17	0.3	0.03	2.4	0.3	<0.05	6	0.7	<0.2
IDA 156464	Soil	9	27	0.49	137	0.070	<1	1.86	0.013	0.05	0.3	0.05	2.4	0.2	<0.05	8	1.2	<0.2
IDA 156521	Soil	11	31	0.20	265	0.025	2	1.03	0.009	0.08	0.1	0.05	1.1	0.2	0.10	6	1.7	0.3
IDA 156516	Soil	17	34	0.59	242	0.049	2	1.60	0.009	0.14	0.1	0.04	3.6	0.6	<0.05	6	1.2	<0.2
IDA 156518	Soil	9	43	1.31	214	0.064	3	2.06	0.006	0.16	0.1	0.03	1.9	0.2	<0.05	9	1.5	<0.2
IDA 128337	Soil	10	26	0.36	225	0.030	2	1.86	0.008	0.07	0.2	0.05	3.5	0.2	<0.05	6	1.1	<0.2
IDA 155602	Soil	14	37	0.77	185	0.062	1	2.40	0.010	0.15	<0.1	0.04	2.6	0.3	0.05	8	1.6	<0.2
IDA 155600	Soil	13	34	0.56	157	0.051	2	2.18	0.010	0.10	0.3	0.04	2.8	0.2	<0.05	7	1.3	<0.2
IDA 128223	Soil	18	16	0.34	94	0.011	1	0.99	0.006	0.09	0.3	0.04	6.5	0.2	<0.05	5	1.0	<0.2
IDA 128226	Soil	26	31	0.50	396	0.058	2	1.58	0.013	0.10	0.7	0.12	4.5	0.5	0.06	6	0.9	<0.2
IDA 155605	Soil	12	35	0.45	295	0.040	2	1.62	0.010	0.15	0.1	0.04	1.5	0.2	0.14	7	1.8	<0.2
IDA 155607	Soil	22	40	0.83	480	0.066	2	1.91	0.017	0.25	0.2	0.03	3.6	0.5	0.18	8	2.5	0.3



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Phone (604) 253-3158 Fax (604) 253-1716

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Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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Part 1

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
IDA 134538	Soil	2.0	41.1	12.5	102	<0.1	27.7	10.1	390	2.82	12.2	1.0	6.1	2.4	17	0.4	2.7	0.2	48	0.09	0.063
IDA 155606	Soil	8.3	54.8	14.7	194	0.2	53.4	15.8	374	3.17	23.8	3.3	17.8	3.5	23	0.7	7.7	0.4	119	0.12	0.078
IDA 134535	Soil	1.8	37.2	10.3	86	<0.1	27.1	9.8	419	2.57	11.4	1.3	4.7	3.4	33	0.2	1.3	0.2	52	0.25	0.086
IDA 134536	Soil	1.7	23.2	12.5	91	<0.1	25.5	12.4	568	3.10	16.4	0.8	5.5	3.5	16	0.4	1.7	0.2	57	0.09	0.046
IDA 134541	Soil	1.9	38.6	12.6	90	<0.1	25.4	9.6	352	2.37	8.6	1.5	4.1	5.2	34	0.3	1.5	0.2	43	0.22	0.083
IDA 155753	Soil	1.8	43.7	44.1	140	0.7	12.8	8.5	915	3.72	780.2	28.0	6.1	32.8	50	2.6	41.3	3.1	40	0.54	0.108
IDA 128028	Soil	1.6	28.6	10.9	75	<0.1	22.5	11.2	445	2.65	12.7	0.8	5.9	3.7	25	0.3	0.9	0.2	44	0.13	0.066
IDA 128079	Soil	1.6	40.8	12.8	108	0.2	37.6	13.9	326	3.20	9.0	0.7	4.3	3.2	24	0.3	1.2	0.2	32	0.17	0.060
IDA 128051	Soil	1.2	27.3	9.7	77	0.2	21.3	7.2	257	2.13	25.8	1.0	17.9	3.9	22	0.4	3.6	0.2	49	0.27	0.064
IDA 128054	Soil	1.0	37.9	10.1	71	0.2	26.1	8.9	305	2.27	127.4	1.1	5.5	4.8	37	0.2	4.7	0.5	65	0.35	0.070
IDA 128023	Soil	1.2	24.6	9.3	59	<0.1	17.7	7.0	277	1.86	8.9	1.4	3.7	2.1	23	0.2	1.0	0.2	39	0.20	0.079
IDA 128077	Soil	2.1	33.2	14.6	105	0.3	27.4	12.3	635	2.51	22.9	1.7	9.5	1.8	23	0.6	2.3	0.4	52	0.23	0.074
IDA 150097	Soil	2.5	33.9	8.6	75	0.2	24.7	7.3	311	2.41	43.6	2.2	18.4	3.5	29	0.4	4.2	0.2	57	0.19	0.068
IDA 150086	Soil	17.3	159.0	34.3	499	0.4	163.9	73.2	3011	7.73	81.2	7.4	10.1	5.1	93	6.0	28.3	0.3	105	0.09	0.102
IDA 128014	Soil	1.5	15.4	10.6	83	0.3	15.5	10.0	728	2.80	10.6	0.6	1.8	2.5	10	0.3	1.1	0.2	55	0.06	0.040
IDA 128016	Soil	1.1	25.4	11.1	68	<0.1	22.5	8.0	277	2.50	12.4	0.9	3.5	3.6	16	0.2	1.2	0.2	47	0.11	0.037
IDA 128073	Soil	1.6	25.1	10.2	73	0.1	20.4	10.5	522	2.30	14.3	0.9	7.4	1.5	16	0.4	1.2	0.2	44	0.17	0.075
IDA 155642	Soil	3.4	18.1	15.6	32	0.2	9.9	3.6	120	1.95	22.2	0.6	2.8	2.4	10	0.2	1.4	0.4	68	0.08	0.025
IDA 155646	Soil	1.4	20.3	9.9	46	0.1	13.8	4.4	149	1.89	21.2	0.7	2.7	0.7	10	0.2	1.9	0.3	55	0.08	0.037
IDA 155554	Soil	2.8	60.8	13.1	65	0.4	27.1	5.7	353	2.48	77.4	1.3	8.0	0.5	14	0.3	7.5	0.6	88	0.07	0.081
IDA 155649	Soil	1.5	19.6	8.5	31	0.2	10.3	2.7	65	1.44	28.6	1.0	4.7	0.1	9	0.2	4.2	0.3	45	0.06	0.049
IDA 155650	Soil	3.3	184.2	31.9	102	0.6	39.6	18.6	677	2.94	431.9	4.5	92.9	5.2	33	0.6	25.7	1.9	68	0.23	0.091
IDA 156837	Soil	2.8	39.4	17.2	100	0.1	22.8	9.7	621	3.39	13.0	1.0	6.0	0.2	13	0.3	1.4	0.3	80	0.07	0.108
IDA 156836	Soil	3.3	77.1	15.6	135	0.3	43.6	12.0	559	3.07	12.7	1.8	7.8	2.1	27	0.9	2.5	0.2	74	0.18	0.105
IDA 112385	Soil	2.2	38.7	18.5	81	0.2	27.0	13.7	448	3.27	13.0	1.5	3.3	2.2	34	0.5	2.4	0.5	87	0.33	0.067
IDA 156469	Soil	1.6	27.5	18.1	78	<0.1	22.1	11.6	449	2.43	34.4	1.3	3.5	3.2	16	0.3	4.4	0.4	58	0.18	0.073
IDA 155748	Soil	1.2	18.3	10.4	32	0.2	8.2	2.5	80	1.83	10.5	0.6	3.5	0.3	7	0.2	1.6	0.3	44	0.04	0.041
IDA 155743	Soil	8.6	160.0	30.9	249	2.3	65.9	17.8	470	4.98	69.3	2.4	19.5	1.1	41	1.5	32.6	1.3	116	0.14	0.193
IDA 156474	Soil	2.7	48.8	59.5	68	0.4	14.5	4.2	143	2.45	372.1	1.7	43.5	2.2	21	0.5	34.4	2.5	81	0.08	0.057
IDA 156473	Soil	2.2	24.4	15.6	57	0.1	14.3	6.4	267	2.34	88.8	1.1	9.3	1.4	12	0.3	6.8	0.6	67	0.09	0.081



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Part 2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 134538	Soil	12	26	0.36	195	0.026	2	1.32	0.006	0.08	0.3	0.05	2.9	0.1	<0.05	5	0.6	<0.2
IDA 155606	Soil	16	36	0.62	253	0.063	1	1.70	0.012	0.16	0.2	0.04	3.0	0.3	0.13	6	1.9	0.3
IDA 134535	Soil	15	26	0.45	381	0.032	2	1.54	0.011	0.08	0.2	0.07	4.7	0.1	<0.05	5	0.9	<0.2
IDA 134536	Soil	11	32	0.40	207	0.034	2	1.58	0.007	0.06	0.2	0.04	3.3	0.1	<0.05	6	0.8	<0.2
IDA 134541	Soil	16	31	0.46	327	0.036	2	1.28	0.009	0.08	0.1	0.10	3.9	0.1	<0.05	4	<0.5	<0.2
IDA 155753	Soil	54	22	0.48	131	0.008	3	1.79	0.009	0.08	0.2	0.76	11.0	0.5	0.06	7	0.9	<0.2
IDA 128028	Soil	15	25	0.36	182	0.030	2	1.28	0.007	0.07	0.2	0.07	3.1	0.1	<0.05	4	0.7	<0.2
IDA 128079	Soil	13	24	0.36	410	0.024	3	0.96	0.008	0.09	<0.1	0.05	2.9	<0.1	<0.05	3	0.9	<0.2
IDA 128051	Soil	17	25	0.74	234	0.041	2	1.37	0.009	0.08	0.2	0.03	3.2	0.1	<0.05	4	<0.5	<0.2
IDA 128054	Soil	17	31	1.13	270	0.077	2	1.82	0.019	0.16	0.2	0.02	3.9	0.3	<0.05	6	0.5	<0.2
IDA 128023	Soil	15	21	0.40	322	0.029	2	1.31	0.008	0.05	0.1	0.08	3.0	0.1	<0.05	4	<0.5	<0.2
IDA 128077	Soil	15	26	0.47	349	0.029	3	1.73	0.009	0.07	0.2	0.12	3.1	0.2	<0.05	5	0.8	<0.2
IDA 150097	Soil	17	23	0.32	378	0.035	2	1.03	0.013	0.07	0.3	0.08	3.7	0.1	0.06	3	0.9	<0.2
IDA 150086	Soil	18	36	0.90	453	0.004	2	2.69	0.010	0.15	<0.1	0.28	8.4	0.3	0.16	7	3.1	0.2
IDA 128014	Soil	9	24	0.30	213	0.031	1	1.57	0.006	0.05	0.2	0.04	2.4	0.1	<0.05	6	<0.5	0.2
IDA 128016	Soil	13	28	0.42	272	0.030	1	1.58	0.007	0.05	0.1	0.08	3.7	0.1	<0.05	5	<0.5	<0.2
IDA 128073	Soil	14	22	0.35	161	0.031	2	1.19	0.007	0.07	0.3	0.19	2.1	0.1	<0.05	4	0.6	<0.2
IDA 155642	Soil	10	16	0.20	65	0.051	2	0.98	0.006	0.04	0.2	0.03	1.4	0.1	<0.05	8	0.6	<0.2
IDA 155646	Soil	12	25	0.53	122	0.033	2	1.45	0.006	0.07	0.2	0.03	1.2	0.2	<0.05	5	<0.5	<0.2
IDA 155554	Soil	9	33	0.56	204	0.033	2	1.60	0.006	0.11	<0.1	0.06	1.3	0.5	0.07	6	0.9	<0.2
IDA 155649	Soil	9	19	0.29	98	0.020	2	1.08	0.007	0.05	<0.1	0.10	0.6	0.2	<0.05	5	<0.5	<0.2
IDA 155650	Soil	19	30	0.68	447	0.050	3	1.82	0.008	0.09	0.3	0.92	4.4	0.6	<0.05	5	<0.5	<0.2
IDA 156837	Soil	12	33	0.37	159	0.020	4	1.33	0.006	0.08	0.1	0.06	0.6	0.1	0.09	7	0.7	<0.2
IDA 156836	Soil	17	33	0.63	280	0.046	3	1.56	0.008	0.11	0.1	0.04	2.6	0.2	0.06	5	1.2	<0.2
IDA 112385	Soil	13	34	1.06	458	0.078	2	2.15	0.018	0.08	0.3	0.04	2.9	0.1	<0.05	8	<0.5	<0.2
IDA 156469	Soil	14	29	0.63	183	0.049	2	1.77	0.006	0.09	0.2	0.06	2.7	0.2	<0.05	5	<0.5	<0.2
IDA 155748	Soil	11	20	0.18	99	0.023	2	0.97	0.005	0.04	<0.1	0.06	0.8	0.1	<0.05	5	<0.5	<0.2
IDA 155743	Soil	21	33	0.66	573	0.012	4	1.34	0.005	0.13	0.1	0.92	2.6	0.8	<0.05	5	2.3	<0.2
IDA 156474	Soil	15	30	0.48	179	0.061	2	1.60	0.007	0.12	0.4	0.45	2.2	0.4	<0.05	8	0.7	<0.2
IDA 156473	Soil	13	27	0.45	107	0.044	2	1.39	0.005	0.07	0.2	0.09	1.8	0.2	<0.05	6	<0.5	<0.2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
IDA 155746	Soil	1.6	29.5	10.4	70	<0.1	21.0	8.0	221	2.33	12.7	0.8	5.3	1.6	15	0.6	1.9	0.2	51	0.15
IDA 156462	Soil	4.0	97.3	15.6	99	0.4	36.9	11.5	232	2.88	39.3	1.9	11.1	4.0	89	0.3	6.4	0.4	89	0.61
IDA 156463	Soil	3.2	66.7	14.1	103	0.3	28.0	13.7	326	2.75	17.7	2.1	7.3	1.5	60	0.4	4.1	0.3	84	0.27
IDA 155717	Soil	3.1	31.4	13.3	143	0.2	27.4	9.7	444	2.28	16.3	1.4	7.2	1.8	12	0.7	3.5	0.2	69	0.10
IDA 155744	Soil	2.0	57.7	12.3	115	0.2	44.4	21.7	564	3.45	45.6	1.4	6.9	1.7	15	0.8	9.6	0.6	55	0.13
IDA 156471	Soil	2.1	28.1	11.8	71	0.2	20.2	9.3	418	2.57	54.7	1.7	4.3	2.6	14	0.1	3.5	0.4	56	0.15
IDA 155745	Soil	4.1	69.5	18.1	131	0.6	35.7	21.8	613	3.45	17.8	2.0	6.9	1.2	25	0.8	5.9	0.3	69	0.20
IDA 150080	Soil	3.2	63.4	19.8	134	0.2	35.8	13.6	409	3.27	22.6	1.8	5.3	8.0	34	0.8	5.9	0.2	64	0.31
IDA 155553	Soil	1.8	28.0	15.9	57	0.2	20.1	6.1	228	2.94	36.0	0.7	2.9	0.4	11	0.3	4.5	0.5	72	0.07
IDA 155555	Soil	2.7	100.8	15.2	100	0.3	58.6	13.7	537	3.37	106.6	4.1	7.0	1.0	24	0.6	12.1	0.6	121	0.14
IDA 155644	Soil	2.1	36.6	12.6	52	0.2	22.5	6.8	190	2.30	34.7	0.8	5.9	2.1	16	0.2	3.7	0.4	73	0.15
IDA 155648	Soil	1.8	26.7	10.4	77	<0.1	19.6	6.8	282	2.34	33.4	1.0	9.3	1.6	14	0.3	4.4	0.3	68	0.13
IDA 155651	Soil	3.1	176.8	30.9	103	0.5	38.5	16.3	639	3.02	408.7	4.5	53.9	5.9	40	0.7	25.9	1.6	72	0.26
IDA 155551	Soil	12.0	382.6	62.9	192	1.7	107.9	5.7	147	14.29	176.5	11.1	35.8	3.3	49	0.5	29.2	7.8	1041	0.30
IDA 155645	Soil	2.2	33.3	11.8	64	0.2	21.8	6.0	196	2.45	40.2	0.9	2.7	2.2	20	0.3	2.7	0.5	72	0.14
IDA 156489	Soil	4.4	72.6	19.8	60	0.4	20.9	6.9	567	4.02	160.6	1.1	4.0	0.5	23	0.3	17.7	1.7	126	0.08
IDA 155546	Soil	3.0	77.6	29.1	65	0.4	21.2	3.8	269	2.69	242.7	1.5	6.4	2.4	11	0.3	12.1	0.8	78	0.05
IDA 155674	Soil	4.4	28.2	19.9	50	0.2	18.9	7.0	424	3.45	148.6	1.4	3.6	0.3	12	0.2	5.8	2.7	83	0.07
IDA 155762	Soil	13.6	112.9	32.4	81	0.4	38.6	11.5	455	5.17	207.1	5.4	13.7	3.2	45	0.4	23.8	1.6	126	0.14
IDA 150042	Soil	1.0	28.0	11.4	62	<0.1	23.3	8.8	301	2.65	11.8	1.0	4.3	3.4	23	0.1	0.8	0.2	51	0.28
IDA 155676	Soil	1.3	18.9	10.2	54	<0.1	17.0	10.6	469	2.63	19.2	0.9	4.2	0.9	10	0.2	2.0	0.2	54	0.09
IDA 156488	Soil	5.5	52.2	56.5	74	1.7	18.4	4.1	1612	2.79	553.0	0.9	19.2	0.2	16	0.4	22.3	2.6	53	0.06
IDA 150041	Soil	1.1	47.1	13.4	98	0.2	31.3	9.7	336	2.79	9.4	0.9	4.0	4.3	32	0.4	1.2	0.2	49	0.36
IDA 150044	Soil	2.2	53.9	13.8	81	0.2	24.3	9.9	545	2.23	9.0	0.8	8.7	0.3	20	0.5	1.3	0.2	55	0.14
IDA 156470	Soil	1.8	31.6	20.4	77	<0.1	23.7	10.6	379	2.36	37.0	1.4	3.7	3.2	18	0.4	5.7	0.5	59	0.16
IDA 156467	Soil	2.1	36.0	19.9	137	0.2	28.7	9.9	336	2.56	41.8	1.3	3.7	3.4	21	0.6	7.1	0.4	83	0.21
IDA 156468	Soil	2.2	25.7	15.8	75	0.2	18.5	5.3	192	1.95	31.5	1.3	3.3	0.5	17	0.4	5.6	0.4	71	0.12
IDA 156472	Soil	1.9	25.6	12.2	57	0.1	16.9	6.2	193	2.25	36.7	1.8	4.7	1.3	13	0.1	3.8	0.4	57	0.11
IDA 155539	Soil	2.4	155.0	15.0	73	0.2	40.3	15.1	368	3.66	471.3	1.7	28.3	3.0	22	0.5	15.4	1.7	56	0.13
IDA 155800	Soil	2.1	31.6	13.5	79	<0.1	27.5	13.3	673	3.10	26.8	3.3	10.3	8.1	24	0.3	3.1	0.4	64	0.20



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Phone (604) 253-3158 Fax (604) 253-1716

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402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 155746	Soil	13	23	0.44	241	0.028	2	1.27	0.006	0.07	0.2	0.04	1.7	0.1	<0.05	4	<0.5	<0.2
IDA 156462	Soil	14	29	0.95	261	0.058	2	1.98	0.023	0.26	0.3	0.03	2.9	0.3	<0.05	6	0.9	<0.2
IDA 156463	Soil	15	31	0.90	258	0.049	2	2.05	0.010	0.32	0.2	0.04	2.1	0.4	<0.05	7	1.1	<0.2
IDA 155717	Soil	13	25	0.35	164	0.037	2	1.16	0.005	0.06	0.2	0.04	2.0	0.4	<0.05	4	0.9	<0.2
IDA 155744	Soil	18	26	0.42	285	0.026	2	1.41	0.004	0.07	0.2	0.16	2.2	0.3	<0.05	4	0.5	<0.2
IDA 156471	Soil	16	27	0.51	129	0.044	11	1.53	0.006	0.07	0.2	0.08	2.5	0.2	<0.05	5	0.6	<0.2
IDA 155745	Soil	19	28	0.65	365	0.024	2	1.49	0.006	0.13	0.2	0.14	2.5	0.2	<0.05	5	1.2	<0.2
IDA 150080	Soil	28	34	1.26	402	0.031	5	1.93	0.008	0.21	0.2	0.01	4.4	0.2	<0.05	6	<0.5	<0.2
IDA 155553	Soil	12	33	0.37	182	0.045	2	1.61	0.006	0.08	0.1	0.05	1.4	0.5	<0.05	8	0.8	<0.2
IDA 155555	Soil	18	43	0.93	591	0.052	1	2.51	0.006	0.52	0.3	0.03	2.2	0.9	0.06	9	0.7	<0.2
IDA 155644	Soil	12	32	0.71	182	0.053	2	1.72	0.007	0.10	0.2	0.03	2.4	0.2	<0.05	6	<0.5	<0.2
IDA 155648	Soil	14	29	0.56	133	0.046	<1	1.51	0.007	0.08	0.2	0.04	1.8	0.2	<0.05	5	0.6	0.3
IDA 155651	Soil	22	34	0.73	473	0.062	2	1.89	0.009	0.10	0.2	0.65	4.6	0.5	<0.05	5	0.8	<0.2
IDA 155551	Soil	68	205	0.24	322	0.034	5	1.79	0.024	0.19	<0.1	0.29	7.1	1.2	0.29	13	11.5	0.3
IDA 155645	Soil	13	30	0.65	177	0.057	2	1.71	0.008	0.11	0.2	0.05	2.3	0.2	<0.05	6	<0.5	<0.2
IDA 156489	Soil	15	41	0.11	418	0.039	2	0.86	0.014	0.19	0.1	0.10	1.1	0.6	0.30	8	2.1	<0.2
IDA 155546	Soil	11	42	0.58	324	0.080	2	1.35	0.009	0.33	0.2	0.26	3.5	0.9	0.06	6	1.6	<0.2
IDA 155674	Soil	12	37	0.29	177	0.028	2	1.44	0.007	0.07	<0.1	0.12	0.9	0.4	0.06	7	1.3	<0.2
IDA 155762	Soil	17	45	0.61	392	0.067	2	2.10	0.042	0.25	0.4	0.10	3.4	0.6	0.34	8	4.7	<0.2
IDA 150042	Soil	16	28	0.44	383	0.035	1	1.51	0.007	0.06	0.2	0.07	3.7	<0.1	<0.05	5	<0.5	<0.2
IDA 155676	Soil	12	28	0.42	132	0.027	2	1.51	0.008	0.06	0.1	0.04	1.4	0.2	<0.05	5	0.8	<0.2
IDA 156488	Soil	12	31	0.06	352	0.012	2	0.57	0.010	0.12	0.1	0.23	0.6	0.7	0.23	4	2.0	0.3
IDA 150041	Soil	20	28	0.44	417	0.036	3	1.32	0.009	0.10	<0.1	0.11	4.3	0.1	<0.05	4	0.8	<0.2
IDA 150044	Soil	12	22	0.21	391	0.006	3	1.04	0.004	0.10	0.1	0.20	0.5	0.2	<0.05	4	<0.5	<0.2
IDA 156470	Soil	15	29	0.61	171	0.054	2	1.73	0.009	0.09	0.2	0.07	2.6	0.2	<0.05	5	<0.5	0.2
IDA 156467	Soil	14	32	0.78	216	0.060	2	1.84	0.010	0.11	0.2	0.05	2.9	0.2	<0.05	6	<0.5	<0.2
IDA 156468	Soil	13	31	0.67	167	0.036	2	1.60	0.006	0.14	0.1	0.06	1.2	0.3	<0.05	7	<0.5	<0.2
IDA 156472	Soil	14	28	0.47	127	0.040	2	1.49	0.006	0.05	0.1	0.10	2.1	0.2	<0.05	5	0.5	<0.2
IDA 155539	Soil	18	30	0.41	151	0.049	2	1.40	0.009	0.09	0.4	0.09	2.5	0.4	0.08	4	1.5	0.2
IDA 155800	Soil	22	30	0.62	155	0.121	3	2.16	0.017	0.11	0.6	0.06	3.3	0.3	<0.05	6	0.6	<0.2



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Phone (604) 253-3158 Fax (604) 253-1716

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402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
IDA 155541	Soil	2.2	58.7	35.3	88	0.3	21.7	8.5	528	2.62	214.1	2.6	7.5	0.9	14	0.7	11.7	1.1	65	0.10	0.071
IDA 156841	Soil	14.8	133.7	56.1	91	2.3	32.3	14.4	717	4.54	40.9	10.2	24.5	1.2	113	0.4	12.9	0.5	265	0.36	0.344
IDA 156831	Soil	5.2	75.8	21.8	97	0.5	32.1	12.9	567	3.90	23.3	3.2	8.0	1.6	39	0.4	5.3	0.4	93	0.09	0.118
IDA 156835	Soil	7.0	89.5	34.2	289	0.3	61.6	13.9	487	3.08	11.7	3.9	8.6	2.0	28	1.2	5.8	0.2	174	0.22	0.135
IDA 155609	Soil	23.1	267.8	51.5	340	0.6	119.4	71.7	3731	9.07	43.3	8.5	14.2	9.4	84	2.6	12.4	0.7	109	0.08	0.141
IDA 156834	Soil	7.0	89.5	33.8	295	0.3	59.7	13.2	477	2.98	12.3	3.9	9.1	1.9	28	1.2	5.4	0.2	173	0.22	0.128
IDA 122380	Soil	4.1	44.7	32.8	117	0.3	42.6	22.5	711	4.65	23.3	1.1	3.9	4.3	28	0.7	11.0	0.3	72	0.07	0.074
IDA 156501	Soil	8.6	105.2	23.8	98	0.8	35.1	17.3	792	3.29	22.6	3.8	10.0	4.1	54	0.7	6.1	0.4	88	0.06	0.090
IDA 156842	Soil	13.4	243.3	32.7	202	0.9	106.3	47.5	2369	7.15	35.5	10.0	14.5	7.2	95	1.5	9.0	0.6	177	0.21	0.205
IDA 112381	Soil	2.8	50.6	198.6	167	2.7	25.2	9.8	421	3.49	130.4	1.1	5.2	2.0	30	1.9	95.0	1.1	78	0.07	0.069
IDA 156724	Soil	6.8	155.9	18.9	246	2.1	55.5	9.0	538	2.26	9.4	2.2	30.4	1.1	72	1.2	12.2	0.2	51	1.15	0.154
IDA 156721	Soil	90.9	372.9	98.5	2199	9.8	317.2	29.1	1169	5.57	100.3	36.3	16.8	4.3	108	48.8	120.6	0.4	885	0.43	0.152
IDA 145750	Soil	1.6	42.1	13.3	76	0.1	26.8	9.0	266	2.48	13.0	1.0	6.1	1.8	22	0.2	2.4	0.2	57	0.27	0.067
IDA 145756	Soil	3.1	97.0	70.8	115	0.5	30.9	12.5	438	2.94	569.6	4.5	68.7	5.0	39	1.0	45.1	2.8	81	0.22	0.086
IDA 128164	Soil	2.0	29.9	14.0	85	0.3	23.9	9.0	300	2.21	45.5	1.7	6.6	1.7	23	0.4	3.1	0.5	57	0.18	0.068
IDA 156719	Soil	19.4	141.5	89.9	916	2.5	143.0	15.0	3007	4.12	31.6	25.1	16.0	0.9	70	5.8	28.3	0.4	130	0.10	0.159
IDA 156985	Soil	2.4	44.2	18.8	109	0.3	38.5	16.6	433	3.17	12.6	1.3	4.9	4.8	15	0.4	3.5	0.2	66	0.07	0.046
IDA 145751	Soil	1.3	28.7	13.5	54	<0.1	21.6	9.0	269	2.65	19.4	0.9	4.8	4.4	11	0.1	2.4	0.3	57	0.10	0.040
IDA 145753	Soil	5.1	246.5	39.3	230	0.4	59.6	19.2	596	5.58	44.0	1.2	24.5	1.5	20	0.5	32.4	0.5	91	0.08	0.094
IDA 156893	Soil	1.4	34.9	40.5	86	0.1	27.6	13.1	451	2.91	464.9	4.4	8.7	6.0	27	0.5	11.4	2.5	54	0.20	0.076
IDA 156725	Soil	6.6	121.7	65.3	191	1.9	43.4	9.9	470	3.65	361.9	4.2	27.5	0.9	29	0.5	31.4	1.8	96	0.13	0.109
IDA 145755	Soil	6.9	109.7	78.9	138	2.9	33.2	9.4	522	3.27	604.2	6.2	51.8	1.3	36	0.5	39.8	2.7	108	0.20	0.122
IDA 128168	Soil	2.5	20.8	7.0	53	0.2	9.2	2.2	74	0.98	8.5	0.6	6.0	0.8	9	0.2	0.9	0.2	56	0.06	0.058
IDA 146239	Soil	2.4	23.9	19.1	75	0.2	27.6	10.9	322	3.02	53.2	0.8	3.4	3.7	22	0.3	1.0	1.9	78	0.16	0.045
IDA 145752	Soil	1.4	37.5	14.9	61	<0.1	25.8	9.8	279	2.72	23.5	0.9	3.7	4.6	12	0.2	3.1	0.2	53	0.10	0.043
IDA 156723	Soil	3.6	83.0	36.0	158	0.5	51.0	17.2	621	3.91	20.2	1.5	10.0	3.2	13	0.5	8.7	0.3	72	0.06	0.044
IDA 150043	Soil	1.5	36.9	12.8	74	0.1	25.7	8.2	212	2.47	10.3	0.8	2.7	2.4	33	0.3	1.0	0.2	58	0.42	0.062
IDA 155766	Soil	10.6	283.7	27.9	62	0.7	47.8	16.9	383	6.15	397.8	7.4	42.4	6.6	62	0.4	18.9	2.5	160	0.34	0.277
IDA 150040	Soil	1.7	54.0	17.2	114	0.3	37.0	11.8	431	3.06	14.3	1.0	4.2	4.9	42	0.4	1.7	0.3	59	0.49	0.101
IDA 128167	Soil	2.5	76.6	37.4	117	0.9	51.0	5.4	100	1.98	9.3	1.3	5.8	0.1	16	1.3	2.0	0.2	55	0.07	0.100



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 155541	Soil	16	26	0.44	160	0.023	2	1.59	0.007	0.07	0.2	0.14	1.7	0.4	<0.05	5	0.6	<0.2
IDA 156841	Soil	31	75	0.57	611	0.027	5	1.39	0.021	0.27	0.4	0.08	2.7	0.5	0.41	7	6.0	0.4
IDA 156831	Soil	19	43	0.48	382	0.048	3	1.62	0.012	0.13	0.2	0.05	2.5	0.3	0.18	6	1.8	<0.2
IDA 156835	Soil	15	53	1.44	262	0.062	3	2.26	0.008	0.12	0.1	0.04	3.4	0.4	<0.05	7	1.1	<0.2
IDA 155609	Soil	36	41	1.36	499	0.073	2	2.77	0.024	0.35	0.2	0.04	5.4	0.8	0.36	9	2.7	0.2
IDA 156834	Soil	16	50	1.36	259	0.060	2	2.20	0.010	0.11	0.2	0.04	3.2	0.4	<0.05	8	1.7	<0.2
IDA 122380	Soil	16	39	0.46	222	0.037	2	2.04	0.010	0.08	0.1	0.04	2.9	0.1	<0.05	6	1.0	<0.2
IDA 156501	Soil	26	36	0.47	542	0.042	4	1.15	0.015	0.20	0.2	0.06	3.1	0.4	0.23	4	2.5	0.2
IDA 156842	Soil	35	61	1.66	651	0.118	3	3.07	0.028	0.37	0.3	0.06	5.1	0.7	0.37	10	2.3	0.4
IDA 112381	Soil	13	34	0.34	231	0.028	1	1.74	0.007	0.08	0.2	0.07	2.3	0.2	0.05	6	0.6	<0.2
IDA 156724	Soil	14	17	0.23	1945	0.005	5	0.71	0.005	0.10	<0.1	0.78	4.2	0.7	0.10	2	2.0	<0.2
IDA 156721	Soil	33	72	0.21	1672	0.010	9	1.15	0.004	0.18	0.3	11.79	7.3	4.3	0.10	5	12.8	<0.2
IDA 145750	Soil	18	31	0.48	227	0.045	1	1.49	0.008	0.07	0.2	0.05	2.7	0.1	<0.05	5	<0.5	<0.2
IDA 145756	Soil	23	36	0.67	324	0.064	1	2.01	0.010	0.14	0.3	1.94	3.4	0.6	<0.05	6	0.7	<0.2
IDA 128164	Soil	18	29	0.42	341	0.039	2	1.47	0.009	0.06	0.4	0.11	2.5	0.2	<0.05	5	0.6	<0.2
IDA 156719	Soil	21	38	0.22	483	0.018	3	1.39	0.006	0.07	0.1	0.55	3.5	2.1	0.06	5	2.2	<0.2
IDA 156985	Soil	15	33	0.41	202	0.050	2	1.77	0.006	0.07	0.2	0.07	3.3	0.2	<0.05	5	0.5	<0.2
IDA 145751	Soil	16	32	0.39	133	0.054	<1	1.66	0.006	0.04	0.2	0.04	3.2	0.1	<0.05	5	<0.5	<0.2
IDA 145753	Soil	20	48	0.38	294	0.013	5	1.24	0.007	0.11	0.2	0.13	4.6	0.5	<0.05	6	1.0	0.4
IDA 156893	Soil	20	29	0.47	169	0.060	2	2.25	0.012	0.06	1.4	0.15	3.1	0.2	<0.05	6	0.7	<0.2
IDA 156725	Soil	21	44	0.48	409	0.020	3	1.49	0.009	0.11	0.3	0.93	2.6	0.7	0.09	6	2.0	0.3
IDA 145755	Soil	25	42	0.74	482	0.027	3	2.03	0.010	0.12	0.2	1.46	3.1	0.8	0.12	7	2.1	<0.2
IDA 128168	Soil	8	19	0.19	205	0.009	5	0.84	0.006	0.11	<0.1	0.17	1.3	0.2	<0.05	4	<0.5	<0.2
IDA 146239	Soil	15	40	0.57	208	0.091	2	1.91	0.009	0.09	0.2	0.03	3.2	0.4	<0.05	7	0.8	<0.2
IDA 145752	Soil	16	30	0.41	124	0.058	1	1.66	0.007	0.05	0.3	0.05	3.0	0.1	<0.05	5	<0.5	<0.2
IDA 156723	Soil	15	31	0.27	196	0.041	3	1.47	0.006	0.07	0.1	0.09	2.8	0.5	<0.05	6	0.5	<0.2
IDA 150043	Soil	18	29	0.38	436	0.030	2	1.52	0.007	0.10	0.1	0.11	3.5	0.2	<0.05	5	<0.5	<0.2
IDA 155766	Soil	26	62	0.58	310	0.083	2	1.95	0.049	0.44	0.4	0.07	5.9	0.8	0.62	8	5.3	0.6
IDA 150040	Soil	21	34	0.48	415	0.047	3	1.53	0.008	0.13	0.1	0.13	4.6	0.2	<0.05	4	<0.5	<0.2
IDA 128167	Soil	5	33	0.08	266	0.008	5	0.73	0.012	0.04	0.2	0.14	1.0	<0.1	0.10	2	0.8	<0.2



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Phone (604) 253-3158 Fax (604) 253-1716

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Client:

Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
IDA 128163	Soil	1.6	26.6	12.2	88	0.2	21.0	6.3	167	2.01	46.7	1.2	10.3	1.0	19	0.3	2.4	0.5	45	0.16	0.067
IDA 145548	Soil	1.7	20.3	10.7	73	<0.1	18.0	7.1	229	2.02	9.3	1.0	5.1	1.2	12	0.4	1.1	0.2	46	0.11	0.065
IDA 155998	Soil	4.0	75.5	47.5	638	0.4	108.9	26.5	2326	4.94	23.9	2.4	10.2	3.2	9	1.3	6.8	0.3	72	0.05	0.071
IDA 156982	Soil	4.7	35.3	23.0	208	0.9	26.8	5.8	343	2.78	14.3	1.5	9.8	0.8	36	0.8	7.1	0.3	81	0.04	0.073
IDA 156983	Soil	5.1	40.9	23.3	225	0.8	29.3	5.7	285	2.86	14.2	1.5	5.0	0.5	38	0.7	7.0	0.3	86	0.05	0.076
IDA 156984	Soil	8.6	76.5	43.3	379	1.1	79.0	19.2	509	4.56	24.8	1.7	8.0	1.1	34	0.6	24.0	0.3	82	0.05	0.112
IDA 128162	Soil	1.7	30.2	9.8	87	0.2	24.1	8.2	239	2.52	46.6	1.2	7.6	1.9	23	0.3	2.3	0.3	57	0.22	0.076
IDA 156718	Soil	9.9	155.7	19.2	416	0.7	104.5	15.8	5064	3.30	14.6	2.2	39.1	1.9	45	2.1	6.6	0.2	46	0.20	0.165
IDA 156722	Soil	31.9	144.1	174.0	1338	6.8	187.3	25.0	2450	5.32	32.2	14.2	23.5	1.8	87	9.6	30.8	0.4	188	0.18	0.189
IDA 128169	Soil	1.6	41.8	13.1	75	0.2	23.1	6.6	214	2.62	10.1	0.7	9.3	1.0	39	0.5	1.4	0.2	52	0.10	0.069
IDA 158440	Soil	6.0	40.3	12.8	199	0.3	36.6	15.2	1548	4.17	14.6	0.9	1.6	2.6	20	1.2	1.8	0.3	61	0.07	0.054
IDA 156716	Soil	5.6	100.5	11.3	249	1.7	40.9	6.2	336	1.78	7.1	1.8	28.2	0.9	57	2.5	7.5	0.2	33	0.94	0.144
IDA 156726	Soil	5.7	80.4	22.4	224	0.4	38.8	9.8	540	2.69	9.9	1.4	11.3	1.6	35	0.9	8.0	0.2	46	0.37	0.113
IDA 155994	Soil	1.8	24.0	14.6	64	0.3	17.2	5.4	182	2.40	34.0	1.0	8.1	0.8	11	0.3	3.3	1.1	59	0.08	0.065
IDA 155992	Soil	2.5	49.2	34.4	139	0.3	32.1	11.1	784	2.71	97.4	2.0	20.5	4.4	15	0.7	13.2	1.6	68	0.15	0.089
IDA 145509	Soil	1.8	80.5	58.0	77	0.4	35.6	11.3	387	4.02	425.9	3.9	8.8	8.3	52	0.8	12.3	2.3	63	0.14	0.082
IDA 145557	Soil	3.0	84.8	50.3	131	0.5	27.0	10.3	421	2.37	449.3	3.0	159.9	4.4	42	3.1	31.4	2.6	57	0.42	0.108
IDA 145566	Soil	0.9	13.3	7.5	34	<0.1	10.0	3.3	103	1.74	13.5	0.6	<0.5	0.3	9	0.1	1.3	0.2	38	0.07	0.044
IDA 156640	Soil	2.3	29.7	9.9	71	0.2	16.0	4.9	242	2.03	9.2	0.6	3.8	0.2	12	0.4	1.5	0.2	58	0.10	0.063
IDA 145507	Soil	1.6	68.1	12.3	68	0.2	28.9	8.8	281	3.45	129.3	1.8	9.1	2.6	28	0.3	8.9	3.1	59	0.10	0.057
IDA 145556	Soil	3.0	80.3	49.8	110	0.6	25.4	9.3	389	2.69	437.4	2.9	1059	4.1	42	1.0	32.0	2.5	72	0.35	0.095
IDA 156643	Soil	2.5	20.4	9.1	65	<0.1	16.6	5.2	221	2.06	10.8	0.6	3.7	0.3	12	0.3	1.3	0.2	64	0.10	0.055
IDA 145510	Soil	1.8	74.9	54.3	74	0.4	33.3	12.0	384	3.88	385.5	3.8	8.1	8.3	51	0.7	11.7	2.1	62	0.15	0.085
IDA 145512	Soil	1.4	88.6	81.4	62	0.7	21.9	6.3	286	2.58	287.0	5.9	5.6	13.6	34	0.5	21.2	5.1	46	0.14	0.063
IDA 156646	Soil	2.4	34.3	9.4	107	<0.1	31.6	11.1	402	2.57	13.9	1.1	6.3	3.1	20	0.6	1.8	0.2	59	0.20	0.072
IDA 156641	Soil	2.4	38.0	14.6	94	0.1	24.4	10.6	700	3.31	14.6	0.7	5.3	2.6	12	0.3	1.9	0.3	72	0.08	0.048
IDA 145511	Soil	1.4	94.7	81.9	60	0.7	21.1	6.3	287	2.59	292.4	6.0	6.2	14.5	37	0.5	22.3	4.5	48	0.15	0.067
IDA 128473	Soil	1.4	28.3	9.3	77	0.1	22.0	8.0	194	2.42	16.3	0.9	3.8	2.8	22	0.3	1.3	0.3	52	0.24	0.075
IDA 155976	Soil	3.5	53.3	25.3	84	0.3	26.8	18.6	1276	3.37	512.5	5.9	15.1	2.7	41	0.4	12.0	2.2	68	0.17	0.087
IDA 158456	Soil	3.8	50.7	8.5	153	0.7	33.3	6.9	170	2.14	8.3	0.9	12.5	2.1	37	1.0	1.4	0.1	46	0.58	0.092



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Phone (604) 253-3158 Fax (604) 253-1716

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Vancouver BC V6C1L6 Canada

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 128163	Soil	14	25	0.42	311	0.023	2	1.46	0.008	0.06	0.3	0.10	2.1	0.2	<0.05	4	0.5	<0.2
IDA 145548	Soil	13	25	0.48	201	0.026	3	1.94	0.007	0.05	0.1	0.05	1.8	0.1	<0.05	5	0.6	<0.2
IDA 155998	Soil	11	31	0.32	169	0.042	2	2.10	0.006	0.05	0.2	0.41	4.2	0.5	<0.05	6	1.0	<0.2
IDA 156982	Soil	16	16	0.14	474	0.029	2	0.95	0.004	0.07	0.1	0.12	1.4	0.4	<0.05	6	1.3	<0.2
IDA 156983	Soil	15	17	0.13	407	0.020	3	0.91	0.003	0.09	0.1	0.12	1.5	0.4	<0.05	5	1.6	<0.2
IDA 156984	Soil	11	43	0.13	198	0.012	3	1.05	0.006	0.11	0.1	0.20	3.0	0.5	<0.05	4	1.3	<0.2
IDA 128162	Soil	16	29	0.48	314	0.037	2	1.70	0.009	0.07	0.4	0.33	3.0	0.2	<0.05	5	0.6	<0.2
IDA 156718	Soil	14	20	0.26	741	0.019	3	0.86	0.004	0.07	<0.1	0.21	3.2	0.6	<0.05	3	2.6	<0.2
IDA 156722	Soil	19	33	0.11	679	0.005	4	1.02	0.004	0.15	0.1	2.21	6.2	2.1	0.06	3	6.0	<0.2
IDA 128169	Soil	11	27	0.28	162	0.033	2	0.91	0.008	0.05	0.4	0.06	1.8	0.1	<0.05	4	0.7	<0.2
IDA 158440	Soil	12	25	0.26	1139	0.010	3	1.84	0.005	0.12	<0.1	0.05	3.1	0.2	<0.05	7	1.0	<0.2
IDA 156716	Soil	13	12	0.18	1204	0.003	5	0.55	0.004	0.10	<0.1	0.77	3.6	0.6	<0.05	2	2.7	0.3
IDA 156726	Soil	12	19	0.22	1056	0.008	4	0.70	0.006	0.12	<0.1	0.21	3.2	0.3	<0.05	2	1.9	<0.2
IDA 155994	Soil	12	29	0.40	159	0.033	2	1.51	0.007	0.06	0.1	0.08	1.7	0.3	<0.05	5	0.6	<0.2
IDA 155992	Soil	16	30	0.53	229	0.059	2	1.88	0.009	0.11	0.3	0.06	3.2	0.3	<0.05	5	0.8	<0.2
IDA 145509	Soil	25	28	0.59	273	0.098	3	2.24	0.019	0.24	1.2	0.07	3.3	0.9	0.06	8	1.2	<0.2
IDA 145557	Soil	19	25	0.58	326	0.058	2	1.27	0.010	0.21	0.4	1.55	2.6	0.5	<0.05	5	0.9	<0.2
IDA 145566	Soil	11	20	0.27	83	0.022	2	1.08	0.006	0.04	0.1	0.05	0.9	0.1	<0.05	4	<0.5	<0.2
IDA 156640	Soil	13	19	0.19	263	0.018	2	1.22	0.006	0.06	0.1	0.07	1.0	0.1	<0.05	6	<0.5	<0.2
IDA 145507	Soil	17	29	0.65	335	0.096	2	1.86	0.018	0.17	0.3	0.04	2.9	0.7	0.09	7	1.2	<0.2
IDA 145556	Soil	20	33	0.72	343	0.077	2	1.53	0.016	0.19	0.3	0.94	3.3	0.5	<0.05	6	1.1	<0.2
IDA 156643	Soil	12	27	0.39	123	0.027	2	1.41	0.007	0.06	0.1	0.04	1.1	0.2	<0.05	5	<0.5	<0.2
IDA 145510	Soil	24	28	0.56	269	0.096	3	2.29	0.016	0.24	1.1	0.06	3.3	0.8	0.08	7	1.0	<0.2
IDA 145512	Soil	33	21	0.38	605	0.056	1	1.62	0.012	0.15	0.2	1.12	5.7	1.0	<0.05	6	0.8	<0.2
IDA 156646	Soil	16	28	0.49	264	0.048	2	1.52	0.008	0.07	0.2	0.07	3.1	0.1	<0.05	4	0.6	<0.2
IDA 156641	Soil	15	33	0.36	149	0.063	2	1.55	0.007	0.05	0.1	0.04	2.9	0.1	<0.05	8	0.7	<0.2
IDA 145511	Soil	34	19	0.38	699	0.061	2	1.76	0.009	0.14	0.2	1.27	6.1	1.1	0.09	6	1.1	<0.2
IDA 128473	Soil	16	28	0.45	313	0.051	2	1.49	0.010	0.06	0.2	0.05	3.1	0.1	<0.05	4	<0.5	<0.2
IDA 155976	Soil	18	35	0.56	198	0.054	3	2.35	0.012	0.08	0.5	0.13	3.1	0.4	<0.05	8	1.3	<0.2
IDA 158456	Soil	17	22	0.38	303	0.023	4	1.04	0.008	0.08	0.2	0.28	3.3	0.2	<0.05	4	1.4	<0.2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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Client:

Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
IDA 155978	Soil	1.9	17.5	12.1	46	<0.1	18.6	10.3	282	2.67	48.8	1.0	7.1	3.6	11	0.3	1.3	0.3	53	0.07
IDA 155982	Soil	1.1	25.3	21.1	63	0.2	20.7	8.9	356	2.23	298.3	2.1	9.4	5.3	19	0.6	7.3	1.3	38	0.16
IDA 156888	Soil	2.9	31.1	24.8	59	0.5	19.8	7.9	586	2.04	212.1	3.6	9.9	0.6	22	0.5	5.1	1.1	47	0.19
IDA 155980	Soil	1.1	46.6	26.2	86	0.3	25.4	10.6	399	2.51	306.5	3.6	9.1	6.5	39	0.7	13.5	1.7	47	0.27
IDA 155984	Soil	0.8	42.2	38.4	108	0.2	14.4	11.8	658	3.03	208.8	7.6	19.1	14.8	151	0.6	16.9	3.6	45	0.52
IDA 155967	Soil	2.0	61.6	35.9	90	0.5	31.5	13.1	645	4.02	19.1	1.3	6.6	0.9	12	0.6	12.8	0.5	67	0.06
IDA 155968	Soil	1.9	59.9	46.1	86	0.3	29.8	10.1	293	3.15	16.4	1.0	11.1	3.3	13	0.5	12.9	0.8	58	0.08
IDA 155965	Soil	4.9	105.0	35.7	114	0.4	33.3	8.8	426	3.59	14.0	1.7	5.4	0.7	31	0.3	7.6	0.6	120	0.14
IDA 155962	Soil	5.1	64.4	22.6	93	0.2	32.2	11.6	330	3.02	13.9	2.8	13.3	0.4	34	0.3	2.8	0.3	133	0.16
IDA 155966	Soil	4.5	139.7	16.2	93	0.2	38.3	18.2	524	4.64	39.9	1.1	10.8	0.8	10	0.5	16.6	0.5	79	0.05
IDA 156732	Soil	1.6	25.7	12.2	73	<0.1	22.4	16.3	811	2.57	11.7	0.8	4.3	2.5	12	0.3	1.4	0.2	52	0.13
IDA 156944	Soil	11.3	109.1	196.6	236	1.3	68.6	19.1	808	4.62	16.7	5.9	12.4	2.2	23	1.9	22.8	0.7	135	0.16
IDA 156942	Soil	1.5	45.0	36.3	94	0.2	32.9	16.4	728	3.14	17.8	1.0	13.7	1.8	9	0.5	3.4	0.3	58	0.09
IDA 155969	Soil	7.3	69.8	68.4	78	0.7	20.4	5.6	325	4.18	21.3	1.9	4.5	0.2	25	0.7	24.3	1.5	174	0.19
IDA 156945	Soil	4.2	51.7	32.9	116	0.5	25.9	11.6	692	3.27	15.1	1.6	6.9	0.8	15	0.8	7.9	0.3	105	0.08
IDA 156729	Soil	2.3	31.3	10.7	96	0.1	29.3	13.1	471	2.46	14.4	1.5	4.7	4.0	14	0.6	2.6	0.2	77	0.17
IDA 156734	Soil	1.5	34.0	12.1	74	0.2	21.1	8.2	237	2.12	11.5	0.9	4.7	1.0	12	0.3	2.5	0.2	48	0.13
IDA 155993	Soil	5.3	70.0	46.6	199	0.3	59.6	25.3	991	4.36	101.8	2.9	18.9	5.1	23	1.2	17.7	1.6	72	0.05
IDA 156946	Soil	4.6	57.5	15.7	88	0.2	22.2	7.8	290	3.85	12.3	2.6	6.5	0.7	32	0.2	3.0	0.3	114	0.09
IDA 155990	Soil	2.9	35.8	12.6	105	<0.1	27.6	14.1	551	2.68	13.8	1.2	4.5	2.6	14	0.3	3.0	0.2	65	0.16
IDA 155991	Soil	1.6	21.3	12.3	61	<0.1	16.4	6.7	212	2.35	12.7	0.9	2.7	1.3	10	0.2	1.8	0.4	60	0.10
IDA 155995	Soil	55.5	199.0	73.8	1066	4.0	147.0	16.2	1048	3.26	43.1	17.7	8.6	1.7	56	21.0	47.7	0.3	517	0.27
IDA 156728	Soil	1.4	23.4	10.2	61	<0.1	17.0	6.3	227	1.94	12.3	0.9	8.7	1.4	10	0.2	2.0	0.3	51	0.11
IDA 156730	Soil	3.2	33.2	13.2	105	0.2	27.7	9.3	287	2.62	13.4	1.4	5.0	1.4	13	0.5	2.9	0.3	88	0.12
IDA 156943	Soil	13.2	239.2	145.5	1230	2.6	231.5	20.0	1455	4.13	66.1	6.7	41.4	4.5	40	10.3	25.7	1.1	260	0.30
IDA 158451	Soil	1.6	39.0	12.1	88	0.8	28.0	12.7	631	2.57	8.0	1.3	8.5	1.3	23	0.3	0.7	0.2	44	0.20
IDA 155979	Soil	1.8	51.4	47.5	88	0.3	27.7	12.4	417	2.83	530.4	4.2	14.3	7.3	25	0.5	15.9	2.8	54	0.27
IDA 158454	Soil	2.7	63.7	11.3	83	0.6	26.5	6.8	282	1.76	7.5	1.5	11.1	1.5	85	0.8	1.4	0.2	34	1.77
IDA 155983	Soil	0.9	46.1	47.9	105	0.2	15.8	12.7	699	3.23	207.4	9.0	14.3	17.8	150	0.8	20.0	4.4	53	0.58
IDA 158455	Soil	2.3	53.2	8.7	69	0.5	18.1	4.5	424	1.34	7.1	0.8	8.7	0.8	75	0.7	1.2	0.2	33	2.25



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Phone (604) 253-3158 Fax (604) 253-1716

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Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 155978	Soil	12	25	0.38	106	0.061	2	2.45	0.009	0.05	0.5	0.06	2.2	0.2	<0.05	7	0.8	<0.2
IDA 155982	Soil	16	20	0.37	107	0.040	3	1.21	0.007	0.05	0.8	0.08	2.0	0.2	<0.05	3	<0.5	<0.2
IDA 156888	Soil	13	24	0.38	193	0.030	1	1.32	0.009	0.06	0.2	0.17	1.5	0.3	<0.05	5	0.9	<0.2
IDA 155980	Soil	19	23	0.47	230	0.066	2	1.28	0.011	0.09	0.9	0.13	3.0	0.3	<0.05	4	0.9	<0.2
IDA 155984	Soil	32	23	0.79	677	0.060	2	2.47	0.012	0.28	0.5	0.36	4.9	0.6	<0.05	7	<0.5	<0.2
IDA 155967	Soil	15	33	0.37	173	0.043	2	1.60	0.008	0.08	0.2	0.06	1.6	0.2	0.06	6	1.1	0.3
IDA 155968	Soil	13	30	0.41	183	0.040	1	1.31	0.005	0.06	0.3	0.04	1.9	0.2	<0.05	4	1.5	<0.2
IDA 155965	Soil	7	30	1.41	273	0.041	1	2.75	0.013	0.31	0.1	0.05	1.8	0.3	0.12	10	2.2	0.3
IDA 155962	Soil	10	36	0.85	229	0.015	<1	2.03	0.010	0.17	<0.1	0.04	0.5	0.2	0.06	7	1.2	<0.2
IDA 155966	Soil	12	37	0.52	197	0.029	<1	1.94	0.007	0.08	0.1	0.07	1.9	0.2	<0.05	7	1.6	<0.2
IDA 156732	Soil	11	27	0.45	153	0.037	1	1.29	0.006	0.05	0.2	0.04	2.0	<0.1	<0.05	4	0.7	<0.2
IDA 156944	Soil	13	35	0.64	166	0.034	<1	1.79	0.007	0.13	0.2	0.10	2.2	0.5	0.07	6	3.7	<0.2
IDA 156942	Soil	12	29	0.34	99	0.040	<1	1.54	0.005	0.04	0.2	0.07	1.8	0.2	<0.05	5	0.8	<0.2
IDA 155969	Soil	10	52	0.17	365	0.008	2	1.05	0.009	0.11	0.1	0.05	0.4	0.4	0.22	8	1.8	<0.2
IDA 156945	Soil	9	37	0.68	173	0.039	6	1.64	0.008	0.12	0.1	0.06	1.4	0.2	0.09	7	1.3	<0.2
IDA 156729	Soil	13	30	0.46	167	0.038	1	1.50	0.007	0.05	0.2	0.05	2.7	0.1	<0.05	4	0.7	<0.2
IDA 156734	Soil	15	26	0.43	179	0.023	1	1.37	0.005	0.06	0.1	0.08	1.7	0.1	<0.05	4	<0.5	<0.2
IDA 155993	Soil	19	35	0.39	410	0.035	2	1.91	0.009	0.12	0.2	0.07	3.4	0.3	0.11	4	1.4	<0.2
IDA 156946	Soil	11	37	0.86	236	0.040	3	2.34	0.011	0.25	0.1	0.05	1.3	0.2	0.12	8	1.3	<0.2
IDA 155990	Soil	14	29	0.50	130	0.037	1	1.44	0.006	0.07	0.2	0.04	2.3	0.2	<0.05	5	0.7	<0.2
IDA 155991	Soil	13	32	0.37	130	0.029	<1	1.62	0.005	0.05	0.1	0.06	2.2	0.2	<0.05	5	<0.5	<0.2
IDA 155995	Soil	23	39	0.13	1086	0.005	5	0.71	0.003	0.12	0.2	2.97	3.8	2.0	<0.05	3	8.9	<0.2
IDA 156728	Soil	14	27	0.39	134	0.033	<1	1.42	0.006	0.05	0.1	0.05	1.9	0.1	<0.05	5	<0.5	<0.2
IDA 156730	Soil	15	34	0.48	186	0.033	1	1.66	0.006	0.07	0.2	0.10	2.0	0.2	<0.05	5	0.8	<0.2
IDA 156943	Soil	20	48	0.67	403	0.046	1	1.73	0.007	0.08	0.3	0.32	4.3	0.4	<0.05	5	2.5	0.2
IDA 158451	Soil	26	29	0.36	584	0.017	3	1.48	0.006	0.11	<0.1	0.34	3.8	0.3	<0.05	5	0.9	<0.2
IDA 155979	Soil	21	26	0.49	150	0.063	2	1.72	0.009	0.07	1.2	0.07	2.7	0.2	<0.05	5	0.7	<0.2
IDA 158454	Soil	19	19	0.32	590	0.024	12	0.89	0.008	0.07	0.1	0.21	2.7	0.2	0.17	3	2.1	<0.2
IDA 155983	Soil	33	27	0.79	600	0.065	<1	2.45	0.010	0.29	0.8	0.36	5.2	0.6	<0.05	7	0.7	<0.2
IDA 158455	Soil	10	17	0.33	716	0.030	11	0.69	0.008	0.06	0.1	0.19	2.2	0.2	0.22	3	1.0	<0.2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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Vancouver BC V6C1L6 Canada

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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
IDA 156947	Soil																							
IDA 155852	Soil																							
IDA 128453	Soil																							
IDA 150073	Soil																							
IDA 156950	Soil																							
IDA 156605	Soil																							
IDA 128456	Soil																							
IDA 150401	Soil																							
IDA 156949	Soil																							
IDA 156617	Soil																							
IDA 128455	Soil																							
IDA 150200	Soil																							
IDA 156948	Soil																							
IDA 156611	Soil																							
IDA 150072	Soil																							
IDA 156727	Soil																							
IDA 146014	Soil																							
IDA 128478	Soil																							
IDA 156608	Soil																							
IDA 156607	Soil																							
IDA 128172	Soil																							
IDA 128174	Soil																							
IDA 155851	Soil																							
IDA 156606	Soil																							
IDA 150190	Soil																							
IDA 146015	Soil																							
IDA 128452	Soil																							
IDA 128458	Soil																							
IDA 128175	Soil																							
IDA 156609	Soil																							



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 156947	Soil	13	43	0.82	323	0.048	<1	2.49	0.007	0.12	0.1	0.04	1.7	0.2	0.13	8	2.8	<0.2
IDA 155852	Soil	14	44	0.68	236	0.062	2	2.16	0.007	0.13	<0.1	0.06	1.7	0.3	0.08	9	0.7	<0.2
IDA 128453	Soil	18	28	0.53	324	0.029	1	1.52	0.006	0.07	0.2	0.06	3.6	0.2	<0.05	5	0.7	0.2
IDA 150073	Soil	17	25	0.37	492	0.017	1	1.22	0.008	0.08	0.2	0.19	2.6	0.2	<0.05	4	0.7	<0.2
IDA 156950	Soil	22	36	0.56	128	0.039	1	1.68	0.006	0.08	0.2	0.06	2.5	0.4	0.07	6	1.2	<0.2
IDA 156605	Soil	17	41	0.52	263	0.052	2	1.50	0.008	0.11	0.2	0.08	2.5	0.3	0.16	6	2.1	<0.2
IDA 128456	Soil	23	34	0.70	285	0.051	2	1.70	0.017	0.12	0.8	0.28	3.1	0.5	0.09	6	2.5	<0.2
IDA 150401	Soil	18	24	0.41	681	0.012	1	1.30	0.007	0.06	0.1	0.25	3.2	0.1	0.08	4	0.9	<0.2
IDA 156949	Soil	20	45	0.56	188	0.052	1	1.80	0.009	0.11	0.1	0.09	2.7	0.3	0.09	8	1.1	<0.2
IDA 156617	Soil	13	39	0.64	182	0.045	1	2.16	0.010	0.09	0.2	0.08	1.6	0.2	0.12	7	2.9	0.2
IDA 128455	Soil	21	34	0.78	281	0.052	2	1.68	0.014	0.16	1.7	0.35	2.9	0.4	0.09	6	2.6	0.3
IDA 150200	Soil	13	34	0.40	277	0.040	2	1.85	0.007	0.06	0.2	0.04	2.7	0.1	<0.05	6	0.6	<0.2
IDA 156948	Soil	22	32	0.78	467	0.029	2	2.01	0.006	0.17	0.1	0.05	3.8	0.5	0.13	8	3.1	0.4
IDA 156611	Soil	12	35	0.66	169	0.059	2	2.08	0.007	0.10	0.2	0.06	2.2	0.2	0.09	7	1.3	0.3
IDA 150072	Soil	11	21	0.27	367	0.012	2	0.99	0.005	0.04	0.1	0.12	1.6	<0.1	<0.05	4	<0.5	<0.2
IDA 156727	Soil	11	26	0.35	109	0.034	2	1.50	0.005	0.04	0.2	0.04	2.0	0.1	<0.05	4	<0.5	<0.2
IDA 146014	Soil	17	36	0.82	388	0.041	4	1.63	0.016	0.13	0.6	0.13	3.1	0.3	0.12	5	2.9	<0.2
IDA 128478	Soil	4	13	0.07	118	0.019	6	0.51	0.008	0.02	0.1	0.07	0.9	<0.1	0.08	2	<0.5	<0.2
IDA 156608	Soil	11	31	0.32	151	0.055	2	1.20	0.006	0.06	0.3	0.05	1.5	0.2	0.06	7	0.7	<0.2
IDA 156607	Soil	13	34	0.53	155	0.031	2	1.85	0.006	0.10	<0.1	0.05	1.0	0.2	0.08	7	0.7	<0.2
IDA 128172	Soil	13	24	0.52	371	0.021	2	1.30	0.007	0.09	0.1	0.10	2.4	0.2	<0.05	4	<0.5	<0.2
IDA 128174	Soil	16	25	0.60	500	0.019	2	1.43	0.005	0.08	<0.1	0.08	3.1	0.2	<0.05	5	0.9	<0.2
IDA 155851	Soil	13	42	0.75	326	0.049	1	2.04	0.008	0.16	<0.1	0.04	1.2	0.2	0.11	9	0.8	<0.2
IDA 156606	Soil	16	33	0.55	214	0.038	1	1.85	0.005	0.07	0.3	0.07	4.3	0.4	<0.05	6	1.7	<0.2
IDA 150190	Soil	16	28	0.49	344	0.054	2	1.34	0.012	0.05	0.2	0.03	3.6	0.1	<0.05	4	<0.5	<0.2
IDA 146015	Soil	4	11	0.40	457	0.015	16	0.56	0.009	0.03	0.2	0.13	1.1	0.1	0.37	2	8.9	<0.2
IDA 128452	Soil	12	27	0.41	181	0.034	2	1.74	0.007	0.04	0.2	0.04	2.6	<0.1	<0.05	5	<0.5	<0.2
IDA 128458	Soil	18	29	0.38	365	0.023	3	1.41	0.008	0.07	0.1	0.28	4.0	0.3	<0.05	5	0.7	<0.2
IDA 128175	Soil	13	28	0.37	272	0.036	3	1.40	0.007	0.06	0.2	0.11	2.7	0.2	<0.05	5	0.6	<0.2
IDA 156609	Soil	14	37	0.28	185	0.052	1	0.99	0.008	0.11	0.2	0.09	1.8	0.3	0.12	7	1.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
IDA 128457	Soil	2.6	38.2	127.0	152	2.9	26.6	11.8	872	2.45	34.0	1.9	10.3	2.4	48	1.4	54.7	0.4	56	0.25	0.089
IDA 155373	Soil	2.0	23.3	18.6	87	0.2	19.6	10.1	640	3.02	62.4	1.4	9.8	0.4	14	0.5	2.8	0.4	79	0.08	0.073
IDA 146158	Soil	6.2	41.2	19.1	94	0.5	21.6	6.2	203	3.77	69.8	0.9	3.4	2.5	23	0.4	6.5	0.7	81	0.09	0.095
IDA 146171	Soil	10.3	61.4	43.0	208	0.7	58.5	6.3	270	4.52	67.3	3.1	4.2	2.4	163	0.7	32.2	0.6	215	0.07	0.211
IDA 146152	Soil	2.0	45.2	23.5	158	0.5	43.7	10.6	412	2.68	63.4	1.1	11.1	4.1	46	1.1	2.7	1.1	83	0.46	0.062
IDA 146161	Soil	1.4	28.9	13.4	45	0.3	20.0	8.4	206	2.91	22.5	0.4	1.6	3.3	80	0.3	1.7	0.3	65	0.16	0.023
IDA 146169	Soil	2.0	14.3	14.5	46	0.1	10.5	4.8	196	3.74	11.5	0.5	1.5	3.5	8	0.1	1.5	0.3	79	0.05	0.032
IDA 146172	Soil	6.2	19.8	22.4	76	0.6	25.1	5.9	189	3.08	14.7	2.0	1.7	3.6	11	0.3	1.7	0.3	108	0.06	0.046
IDA 146154	Soil	3.1	32.2	17.7	137	0.6	26.3	12.4	583	3.39	16.9	0.8	2.4	4.8	21	1.1	1.4	0.3	78	0.18	0.094
IDA 146160	Soil	5.7	253.7	32.1	120	1.3	49.4	17.7	921	5.99	42.0	1.9	4.9	4.5	81	1.7	5.9	0.6	188	0.88	0.059
IDA 146162	Soil	1.9	29.7	14.4	70	1.4	34.6	8.5	238	2.74	16.9	0.6	1.9	4.3	69	0.4	1.2	0.2	67	0.10	0.025
IDA 156742	Soil	1.4	213.2	100.6	98	1.4	23.9	16.2	603	4.20	1190	10.9	31.2	18.3	54	0.8	51.2	17.7	53	0.26	0.096
IDA 156698	Soil	1.4	59.2	109.2	111	0.3	28.2	16.0	383	2.63	651.1	6.0	12.6	12.7	22	1.6	38.3	1.7	46	0.22	0.081
IDA 146207	Soil	3.2	79.7	26.5	134	0.1	40.1	17.9	747	3.76	20.5	0.9	6.6	2.1	23	0.4	2.2	0.4	55	0.24	0.085
IDA 146009	Soil	1.8	42.6	33.3	100	0.1	24.9	8.2	228	3.09	18.7	0.7	6.7	2.1	18	0.4	2.5	0.3	59	0.07	0.046
IDA 128462	Soil	2.6	57.8	25.0	233	0.5	64.2	31.1	1485	5.91	30.1	0.6	2.1	1.9	33	1.5	7.2	0.5	75	0.17	0.095
IDA 146209	Soil	1.6	43.1	12.4	79	0.3	21.1	7.1	134	2.06	5.9	0.9	7.7	2.6	20	0.3	0.9	0.2	42	0.21	0.063
IDA 146011	Soil	1.4	31.8	17.2	89	0.3	21.6	11.0	262	1.96	9.2	1.3	4.8	4.3	26	0.3	1.3	0.2	46	0.21	0.076
IDA 146040	Soil	10.6	63.9	12.1	146	0.6	40.5	9.2	252	2.35	7.7	1.0	5.7	4.8	45	0.7	1.7	0.2	89	1.96	0.057
IDA 150425	Soil	2.7	222.1	23.1	125	<0.1	78.1	22.5	671	2.65	7.5	1.9	3.4	3.2	19	0.8	1.4	0.5	45	0.04	0.040
IDA 145503	Soil	1.4	26.2	25.3	92	0.5	15.8	12.1	726	2.80	108.2	1.5	4.5	1.3	23	0.8	6.0	3.3	62	0.10	0.046
IDA 146043	Soil	2.3	36.8	2.8	21	0.4	18.4	2.3	789	0.43	1.6	1.2	4.1	0.4	110	0.4	0.9	<0.1	11	2.97	0.065
IDA 146039	Soil	1.8	21.2	12.8	52	0.2	19.3	8.2	558	2.95	8.9	0.5	3.8	3.8	11	0.2	0.7	0.2	76	0.09	0.038
IDA 150432	Soil	3.6	86.7	35.8	212	0.3	54.9	14.3	533	3.27	11.6	2.2	6.4	3.7	30	0.8	2.6	0.2	80	0.19	0.058
IDA 146042	Soil	3.4	25.9	9.3	85	0.4	21.9	6.8	973	1.76	5.6	0.9	0.7	1.9	42	0.5	0.7	0.2	66	1.09	0.065
IDA 156743	Soil	2.4	107.9	71.7	89	0.7	29.9	24.2	1193	3.63	502.3	14.3	30.4	17.0	56	0.8	36.9	21.7	55	0.38	0.097
IDA 146044	Soil	3.0	22.4	8.4	35	0.9	10.8	7.5	1152	0.81	3.1	1.3	5.6	0.8	107	0.3	1.0	0.2	22	2.13	0.077
IDA 150431	Soil	6.6	79.9	20.8	151	0.6	61.9	13.8	671	3.37	19.5	3.5	5.5	5.0	47	0.4	3.1	0.5	121	0.35	0.098
IDA 145502	Soil	1.2	19.5	23.6	98	0.4	19.6	11.4	476	2.95	78.9	1.2	10.4	1.8	20	1.1	2.9	1.6	67	0.14	0.052
IDA 156876	Soil	1.5	74.4	138.4	72	1.5	19.0	11.2	415	2.69	287.4	9.4	5.4	12.1	16	0.8	65.4	2.1	43	0.16	0.081



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 128457	Soil	18	26	0.38	409	0.021	3	1.33	0.007	0.07	0.2	0.29	3.5	0.2	<0.05	4	1.1	<0.2
IDA 155373	Soil	11	37	0.44	180	0.050	2	1.72	0.006	0.09	0.1	0.06	1.2	0.2	0.06	8	<0.5	<0.2
IDA 146158	Soil	14	29	0.43	178	0.037	2	1.48	0.007	0.08	0.2	0.04	2.2	0.2	<0.05	6	1.8	0.3
IDA 146171	Soil	13	63	0.16	1537	0.024	3	1.28	0.004	0.05	0.2	0.14	3.3	0.7	0.06	7	1.2	<0.2
IDA 146152	Soil	14	37	0.62	294	0.063	2	2.00	0.010	0.09	0.2	0.04	3.3	0.2	<0.05	6	1.4	<0.2
IDA 146161	Soil	10	30	0.40	360	0.030	1	2.05	0.007	0.05	0.2	0.02	2.4	0.1	<0.05	7	<0.5	<0.2
IDA 146169	Soil	12	27	0.22	100	0.055	1	1.50	0.005	0.04	0.2	0.03	2.0	0.1	<0.05	9	<0.5	<0.2
IDA 146172	Soil	13	33	0.37	155	0.095	1	1.60	0.006	0.06	0.2	0.04	2.3	0.3	<0.05	10	<0.5	<0.2
IDA 146154	Soil	15	32	0.60	367	0.039	3	1.83	0.007	0.11	0.1	0.03	3.0	0.2	<0.05	6	0.7	<0.2
IDA 146160	Soil	10	54	2.16	730	0.184	4	2.66	0.017	0.10	0.5	0.03	3.7	0.3	<0.05	10	1.5	<0.2
IDA 146162	Soil	11	39	0.48	210	0.050	2	2.44	0.008	0.04	0.2	0.04	3.0	0.2	<0.05	6	0.5	<0.2
IDA 156742	Soil	33	26	0.61	378	0.100	1	2.12	0.022	0.25	0.7	0.24	5.3	1.3	0.21	7	0.9	0.3
IDA 156698	Soil	25	25	0.41	157	0.045	2	1.65	0.007	0.05	0.8	0.07	2.9	0.2	<0.05	5	<0.5	0.2
IDA 146207	Soil	14	37	0.37	274	0.036	4	1.28	0.007	0.10	0.2	0.07	3.1	0.2	<0.05	5	0.8	<0.2
IDA 146009	Soil	12	27	0.25	218	0.034	3	1.24	0.006	0.07	0.2	0.04	2.4	0.2	<0.05	6	0.6	<0.2
IDA 128462	Soil	18	39	0.36	873	0.019	4	1.72	0.008	0.12	<0.1	0.05	3.5	0.2	0.07	8	0.8	<0.2
IDA 146209	Soil	13	25	0.42	281	0.026	2	1.35	0.007	0.07	0.1	0.14	3.1	0.1	<0.05	4	0.6	<0.2
IDA 146011	Soil	19	29	0.49	421	0.024	2	1.45	0.007	0.09	0.1	0.11	3.1	0.2	<0.05	5	0.6	<0.2
IDA 146040	Soil	18	27	0.92	556	0.009	6	1.80	0.005	0.15	<0.1	0.25	5.4	0.3	0.06	4	1.7	<0.2
IDA 150425	Soil	7	33	0.16	302	0.012	3	1.97	0.003	0.07	<0.1	0.07	4.5	0.1	<0.05	4	0.7	<0.2
IDA 145503	Soil	12	30	0.57	218	0.050	2	1.95	0.006	0.10	0.3	0.05	1.6	0.3	<0.05	7	<0.5	<0.2
IDA 146043	Soil	5	6	0.25	881	0.007	7	0.38	0.009	0.03	<0.1	0.29	0.8	<0.1	0.19	<1	1.4	<0.2
IDA 146039	Soil	13	33	0.33	257	0.045	2	1.80	0.005	0.08	0.1	0.05	2.6	0.1	<0.05	6	0.5	<0.2
IDA 150432	Soil	14	33	0.34	286	0.052	2	1.10	0.007	0.07	0.1	0.17	4.5	0.1	<0.05	4	0.8	<0.2
IDA 146042	Soil	13	22	0.30	609	0.015	3	1.37	0.007	0.08	<0.1	0.12	2.8	0.2	<0.05	4	0.5	<0.2
IDA 156743	Soil	39	25	0.64	308	0.110	2	2.27	0.019	0.23	0.5	0.06	3.5	0.6	<0.05	7	1.0	<0.2
IDA 146044	Soil	4	11	0.30	556	0.010	9	0.40	0.007	0.04	<0.1	0.56	1.7	0.1	0.20	1	1.6	<0.2
IDA 150431	Soil	17	40	0.48	518	0.058	3	1.54	0.010	0.09	0.2	0.24	5.9	0.2	<0.05	5	0.6	<0.2
IDA 145502	Soil	12	33	0.55	247	0.071	2	2.03	0.009	0.09	0.3	0.04	2.1	0.3	<0.05	7	<0.5	<0.2
IDA 156876	Soil	35	22	0.42	138	0.043	3	1.71	0.010	0.06	0.9	0.10	2.5	0.2	<0.05	5	1.1	<0.2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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Client: **Ryan Gold**
402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
IDA 146046	Soil	2.2	38.5	7.4	56	0.5	15.9	4.4	121	1.38	5.7	1.4	4.1	1.3	53	0.7	0.8	0.2	45	1.30
IDA 145504	Soil	1.0	27.1	26.3	80	0.3	18.1	8.5	335	2.85	218.0	1.2	11.6	1.6	14	1.0	6.9	5.9	50	0.10
IDA 145505	Soil	1.2	32.2	52.2	67	0.5	15.9	7.2	359	2.70	115.5	2.1	35.2	1.5	13	0.5	7.8	9.1	48	0.09
IDA 146168	Soil	1.5	12.2	13.2	35	0.3	8.1	3.3	146	3.17	13.5	0.4	2.7	2.7	7	0.1	1.8	0.3	67	0.04
IDA 155997	Soil	2.6	235.6	43.4	353	0.5	67.0	27.5	1465	5.62	18.7	2.5	27.5	3.2	12	1.4	9.2	0.5	65	0.06
IDA 146151	Soil	3.3	47.8	31.8	108	0.4	47.8	14.0	277	3.42	278.1	1.2	6.2	2.9	28	0.5	2.2	9.1	68	0.21
IDA 156885	Soil	1.6	20.0	30.6	59	0.6	10.4	12.1	774	2.18	138.9	1.2	11.7	0.6	17	0.6	3.5	2.4	55	0.09
IDA 128165	Soil	4.1	46.4	29.0	143	1.0	33.4	10.9	522	2.07	43.5	3.9	11.3	1.5	41	1.5	6.7	1.4	93	0.41
IDA 156720	Soil	5.1	213.9	36.4	321	1.2	106.0	26.2	2146	6.42	44.6	6.3	21.3	3.5	61	19.3	20.6	0.4	137	0.21
IDA 145754	Soil	3.7	117.3	17.6	89	0.6	17.2	3.4	191	4.01	94.2	0.6	12.5	0.7	8	0.3	31.1	0.7	97	0.02
IDA 156981	Soil	6.9	78.1	56.0	340	0.5	37.6	5.1	215	2.70	18.2	1.1	6.6	0.1	19	0.6	9.4	0.3	64	0.05
IDA 145501	Soil	1.5	34.7	25.6	75	0.4	14.1	6.1	214	2.96	86.4	1.8	23.6	1.8	16	1.0	6.6	4.9	57	0.10
IDA 150435	Soil	2.5	44.7	16.6	114	0.4	36.7	9.6	451	2.98	16.0	1.6	9.8	4.7	14	0.7	1.6	0.2	73	0.07
IDA 150434	Soil	8.6	103.5	55.8	220	1.2	59.3	12.3	488	3.81	29.2	4.5	15.8	3.4	85	1.3	8.5	0.4	179	0.13
IDA 150426	Soil	13.5	313.2	16.6	748	0.3	200.2	18.8	4514	9.98	23.6	10.5	7.9	2.8	15	15.2	2.8	0.3	102	0.04
IDA 150429	Soil	1.2	42.5	14.7	70	0.2	26.2	8.3	438	2.41	13.0	0.8	4.3	4.6	28	0.2	1.5	0.2	58	0.21
IDA 146045	Soil	2.3	54.7	6.0	68	0.8	21.3	5.5	282	1.22	3.8	2.3	17.7	0.9	83	1.0	0.9	0.1	33	2.41
IDA 150428	Soil	2.4	166.3	179.6	266	1.0	130.4	37.7	9642	9.93	56.7	1.9	25.6	2.9	23	1.9	17.1	0.4	61	0.07
IDA 146047	Soil	4.5	56.8	9.8	108	0.3	31.2	8.1	159	2.32	9.7	0.9	8.4	4.0	33	0.4	1.3	0.2	78	0.61
IDA 146041	Soil	12.3	35.4	9.2	148	0.3	27.7	5.7	156	1.97	6.7	0.7	2.7	1.1	11	0.6	1.8	0.2	88	0.18



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Phone (604) 253-3158 Fax (604) 253-1716

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Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 146046	Soil	10	16	0.33	614	0.011	3	1.03	0.007	0.04	0.1	0.14	1.8	0.1	<0.05	3	1.0	0.2
IDA 145504	Soil	12	28	0.56	196	0.034	2	1.84	0.008	0.09	0.5	0.06	1.7	0.5	<0.05	6	<0.5	<0.2
IDA 145505	Soil	14	23	0.40	181	0.027	2	1.68	0.008	0.08	0.6	0.12	1.4	0.4	<0.05	7	<0.5	<0.2
IDA 146168	Soil	11	21	0.16	99	0.039	1	1.12	0.005	0.04	0.2	0.03	1.5	0.1	<0.05	7	<0.5	<0.2
IDA 155997	Soil	18	32	0.18	123	0.021	2	1.18	0.004	0.06	0.1	0.24	3.6	1.1	<0.05	4	2.0	0.2
IDA 146151	Soil	12	31	0.53	220	0.032	2	1.86	0.010	0.08	0.2	0.02	2.7	0.3	<0.05	6	1.5	0.7
IDA 156885	Soil	10	20	0.25	177	0.039	2	1.06	0.007	0.08	0.5	0.37	1.0	0.2	<0.05	6	<0.5	<0.2
IDA 128165	Soil	18	27	0.44	579	0.023	3	1.54	0.009	0.06	0.2	0.56	2.8	0.3	<0.05	5	3.5	<0.2
IDA 156720	Soil	16	30	0.13	925	0.006	4	2.14	0.006	0.10	<0.1	0.55	7.4	1.1	0.10	3	2.5	<0.2
IDA 145754	Soil	20	28	0.12	123	0.015	2	0.99	0.007	0.05	0.4	0.09	2.0	0.2	<0.05	9	0.8	<0.2
IDA 156981	Soil	10	15	0.05	664	0.010	3	0.57	0.006	0.07	<0.1	0.15	0.7	0.3	<0.05	5	1.8	<0.2
IDA 145501	Soil	12	24	0.39	165	0.047	2	1.55	0.009	0.09	0.9	0.27	1.7	0.5	0.05	7	0.6	<0.2
IDA 150435	Soil	13	35	0.46	222	0.050	2	2.11	0.007	0.05	0.1	0.07	4.2	0.2	<0.05	5	0.6	<0.2
IDA 150434	Soil	10	31	0.19	492	0.009	3	1.15	0.005	0.12	<0.1	0.57	3.4	0.5	0.15	3	3.1	<0.2
IDA 150426	Soil	9	24	0.13	603	0.013	3	1.36	0.002	0.06	<0.1	0.37	11.5	0.4	<0.05	2	5.6	<0.2
IDA 150429	Soil	15	26	0.42	285	0.049	2	1.17	0.010	0.05	0.2	0.11	4.2	0.1	<0.05	4	<0.5	<0.2
IDA 146045	Soil	12	14	0.48	906	0.011	7	0.74	0.008	0.06	0.1	0.41	2.3	0.2	0.11	2	2.2	<0.2
IDA 150428	Soil	8	26	0.13	608	0.008	3	1.06	0.003	0.09	<0.1	0.59	12.6	0.5	<0.05	3	2.1	<0.2
IDA 146047	Soil	16	29	0.54	596	0.025	4	1.68	0.010	0.09	0.1	0.18	3.8	0.2	<0.05	5	1.3	<0.2
IDA 146041	Soil	8	19	0.30	360	0.008	3	1.35	0.005	0.09	<0.1	0.09	2.0	0.3	<0.05	5	0.9	<0.2



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Phone (604) 253-3158 Fax (604) 253-1716

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402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
IDA 112389	Soil	5.2	145.1	151.9	443	2.2	61.9	21.6	1238	4.60	42.3	3.2	14.4	5.5	39	5.8	46.1	2.0	109	0.28	0.135
REP IDA 112389	QC	5.0	141.0	152.0	441	2.2	62.2	22.2	1244	4.49	41.9	3.1	14.5	5.0	39	5.9	46.2	2.2	107	0.27	0.130
IDA 155948	Soil	1.7	75.1	15.3	90	0.2	39.3	17.7	774	5.06	15.7	1.1	6.8	4.2	48	0.2	3.0	0.4	94	0.09	0.108
REP IDA 155948	QC	1.8	77.5	15.3	95	0.2	40.8	17.7	803	5.19	16.2	1.2	6.0	4.3	48	0.3	2.9	0.4	96	0.09	0.108
IDA 156265	Soil	3.5	77.4	1130	77	13.6	14.0	4.8	253	2.01	661.5	1.2	226.4	0.4	14	1.3	533.2	6.3	34	0.04	0.073
REP IDA 156265	QC	3.8	78.1	1200	78	14.6	15.4	5.2	264	2.10	686.4	1.3	230.1	0.5	15	1.4	551.2	6.6	36	0.04	0.076
IDA 158078	Soil	2.7	44.5	11.3	52	0.3	26.8	8.4	274	2.80	20.3	1.5	9.5	2.2	14	0.2	5.9	0.9	72	0.09	0.053
REP IDA 158078	QC	2.6	42.8	11.0	49	0.3	25.1	8.1	266	2.74	19.8	1.6	4.4	2.2	15	0.3	5.7	0.9	69	0.08	0.051
IDA 155760	Soil	2.8	110.2	71.1	175	2.5	26.2	9.2	306	4.69	691.1	4.8	11.4	7.1	57	1.8	27.9	13.2	66	0.12	0.111
REP IDA 155760	QC	2.8	104.5	70.4	165	2.4	26.1	8.9	278	4.47	661.7	4.5	9.1	7.0	53	1.8	27.2	12.6	60	0.12	0.098
IDA 134541	Soil	1.9	38.6	12.6	90	<0.1	25.4	9.6	352	2.37	8.6	1.5	4.1	5.2	34	0.3	1.5	0.2	43	0.22	0.083
REP IDA 134541	QC	1.8	37.3	13.5	88	<0.1	25.7	9.5	346	2.32	8.1	1.4	8.9	4.6	29	0.5	1.4	0.2	42	0.21	0.072
IDA 156836	Soil	3.3	77.1	15.6	135	0.3	43.6	12.0	559	3.07	12.7	1.8	7.8	2.1	27	0.9	2.5	0.2	74	0.18	0.105
REP IDA 156836	QC	3.4	75.4	16.3	133	0.3	42.0	11.7	564	3.05	12.9	1.7	8.0	2.2	27	0.9	2.5	0.2	73	0.17	0.104
IDA 155676	Soil	1.3	18.9	10.2	54	<0.1	17.0	10.6	469	2.63	19.2	0.9	4.2	0.9	10	0.2	2.0	0.2	54	0.09	0.071
REP IDA 155676	QC	1.4	19.0	10.6	56	<0.1	17.4	10.6	475	2.64	19.0	0.8	1.8	1.0	10	0.2	1.9	0.2	53	0.08	0.070
IDA 112381	Soil	2.8	50.6	198.6	167	2.7	25.2	9.8	421	3.49	130.4	1.1	5.2	2.0	30	1.9	95.0	1.1	78	0.07	0.069
REP IDA 112381	QC	2.9	50.6	192.8	161	2.6	23.9	10.0	413	3.46	131.2	1.1	3.7	1.8	29	1.9	96.8	1.1	79	0.07	0.067
IDA 156719	Soil	19.4	141.5	89.9	916	2.5	143.0	15.0	3007	4.12	31.6	25.1	16.0	0.9	70	5.8	28.3	0.4	130	0.10	0.159
REP IDA 156719	QC	19.4	130.5	93.0	899	2.4	137.4	15.0	2874	3.98	30.3	25.4	15.4	0.9	69	6.1	29.0	0.4	134	0.10	0.155
IDA 156982	Soil	4.7	35.3	23.0	208	0.9	26.8	5.8	343	2.78	14.3	1.5	9.8	0.8	36	0.8	7.1	0.3	81	0.04	0.073
REP IDA 156982	QC	4.6	36.7	22.3	212	0.9	27.3	5.7	366	2.80	14.2	1.6	5.2	0.8	34	0.8	7.3	0.3	86	0.05	0.062
IDA 155967	Soil	2.0	61.6	35.9	90	0.5	31.5	13.1	645	4.02	19.1	1.3	6.6	0.9	12	0.6	12.8	0.5	67	0.06	0.088
REP IDA 155967	QC	2.0	61.0	33.8	85	0.5	29.7	12.8	621	3.87	19.1	1.3	7.0	0.9	12	0.5	12.1	0.5	61	0.06	0.088
IDA 155969	Soil	7.3	69.8	68.4	78	0.7	20.4	5.6	325	4.18	21.3	1.9	4.5	0.2	25	0.7	24.3	1.5	174	0.19	0.241
REP IDA 155969	QC	7.3	74.1	71.3	78	0.7	23.1	6.2	333	4.26	21.7	2.0	8.1	0.3	25	0.8	24.9	1.5	179	0.20	0.268
IDA 156947	Soil	9.5	119.1	49.8	139	0.4	36.6	13.4	748	4.14	24.0	2.3	14.0	0.9	40	0.7	24.7	0.7	158	0.16	0.158
REP IDA 156947	QC	9.1	117.1	50.5	139	0.4	35.2	12.7	756	4.02	23.8	2.3	19.7	0.9	39	0.7	24.4	0.7	156	0.17	0.154



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:

Ryan Gold

402 - 905 West Pender St.

Vancouver BC V6C1L6 Canada

Project:

IDA

Report Date:

October 21, 2010

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Part 2

QUALITY CONTROL REPORT

WHI10000430.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
IDA 112389	Soil	19	58	1.34	519	0.138	3	2.17	0.013	0.24	0.5	0.06	4.4	0.2	<0.05	8	2.4	0.6
REP IDA 112389	QC	18	55	1.26	512	0.130	2	2.17	0.013	0.23	0.4	0.07	4.1	0.2	<0.05	7	2.7	0.4
IDA 155948	Soil	17	63	1.16	357	0.117	3	2.70	0.030	0.32	0.2	0.02	4.6	0.4	0.09	10	1.3	<0.2
REP IDA 155948	QC	18	63	1.17	368	0.125	3	2.77	0.029	0.33	0.1	0.03	4.9	0.5	0.11	10	1.1	<0.2
IDA 156265	Soil	9	17	0.15	95	0.012	2	0.61	0.005	0.05	<0.1	0.48	1.4	0.6	0.08	2	2.0	<0.2
REP IDA 156265	QC	9	18	0.16	102	0.014	3	0.64	0.006	0.06	<0.1	0.49	1.5	0.6	0.07	3	2.1	<0.2
IDA 158078	Soil	13	34	0.62	176	0.061	3	1.70	0.008	0.14	0.2	0.09	2.2	0.3	0.06	6	0.6	<0.2
REP IDA 158078	QC	14	32	0.61	176	0.062	3	1.63	0.008	0.13	0.2	0.08	2.1	0.3	0.06	6	<0.5	<0.2
IDA 155760	Soil	35	31	0.47	402	0.042	3	2.20	0.027	0.28	0.3	1.71	6.0	1.6	0.32	7	2.0	<0.2
REP IDA 155760	QC	35	29	0.42	391	0.040	3	1.96	0.022	0.27	0.4	1.57	6.0	1.5	0.31	7	2.0	<0.2
IDA 134541	Soil	16	31	0.46	327	0.036	2	1.28	0.009	0.08	0.1	0.10	3.9	0.1	<0.05	4	<0.5	<0.2
REP IDA 134541	QC	15	30	0.42	292	0.034	1	1.17	0.009	0.07	0.1	0.08	3.9	0.1	<0.05	4	0.6	<0.2
IDA 156836	Soil	17	33	0.63	280	0.046	3	1.56	0.008	0.11	0.1	0.04	2.6	0.2	0.06	5	1.2	<0.2
REP IDA 156836	QC	17	33	0.65	280	0.043	4	1.56	0.007	0.11	0.1	0.04	2.6	0.2	0.06	5	1.3	<0.2
IDA 155676	Soil	12	28	0.42	132	0.027	2	1.51	0.008	0.06	0.1	0.04	1.4	0.2	<0.05	5	0.8	<0.2
REP IDA 155676	QC	11	27	0.42	135	0.023	1	1.50	0.006	0.06	0.1	0.04	1.4	0.2	<0.05	5	0.8	<0.2
IDA 112381	Soil	13	34	0.34	231	0.028	1	1.74	0.007	0.08	0.2	0.07	2.3	0.2	0.05	6	0.6	<0.2
REP IDA 112381	QC	12	32	0.34	225	0.028	2	1.73	0.005	0.08	0.2	0.07	2.2	0.2	0.07	6	0.9	<0.2
IDA 156719	Soil	21	38	0.22	483	0.018	3	1.39	0.006	0.07	0.1	0.55	3.5	2.1	0.06	5	2.2	<0.2
REP IDA 156719	QC	21	37	0.21	473	0.018	2	1.36	0.006	0.07	0.1	0.56	3.6	2.1	0.06	4	2.3	<0.2
IDA 156982	Soil	16	16	0.14	474	0.029	2	0.95	0.004	0.07	0.1	0.12	1.4	0.4	<0.05	6	1.3	<0.2
REP IDA 156982	QC	14	16	0.13	436	0.031	2	0.82	0.004	0.08	<0.1	0.10	1.8	0.4	<0.05	6	1.2	<0.2
IDA 155967	Soil	15	33	0.37	173	0.043	2	1.60	0.008	0.08	0.2	0.06	1.6	0.2	0.06	6	1.1	0.3
REP IDA 155967	QC	14	31	0.37	151	0.042	1	1.56	0.007	0.08	0.2	0.07	1.5	0.2	<0.05	6	1.0	<0.2
IDA 155969	Soil	10	52	0.17	365	0.008	2	1.05	0.009	0.11	0.1	0.05	0.4	0.4	0.22	8	1.8	<0.2
REP IDA 155969	QC	11	53	0.18	387	0.010	3	1.08	0.009	0.13	0.1	0.05	0.5	0.4	0.22	8	2.3	0.3
IDA 156947	Soil	13	43	0.82	323	0.048	<1	2.49	0.007	0.12	0.1	0.04	1.7	0.2	0.13	8	2.8	<0.2
REP IDA 156947	QC	12	43	0.80	317	0.048	<1	2.45	0.007	0.11	<0.1	0.04	1.6	0.2	0.11	8	2.4	<0.2



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: **Ryan Gold**
402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

Project: IDA
Report Date: October 21, 2010

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QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
IDA 156606	Soil	5.3	181.2	100.8	146	0.5	54.6	25.0	778	4.62	26.3	2.6	18.1	4.3	23	0.9	44.0	2.0	89	0.11
REP IDA 156606	QC	5.6	195.7	98.8	152	0.5	57.5	26.5	847	5.05	26.7	2.5	27.4	4.5	25	0.9	45.1	2.1	93	0.12
IDA 146207	Soil	3.2	79.7	26.5	134	0.1	40.1	17.9	747	3.76	20.5	0.9	6.6	2.1	23	0.4	2.2	0.4	55	0.24
REP IDA 146207	QC	2.9	75.0	24.8	127	0.1	37.4	17.2	720	3.72	18.0	0.9	8.6	2.3	20	0.4	2.2	0.3	54	0.24
IDA 145501	Soil	1.5	34.7	25.6	75	0.4	14.1	6.1	214	2.96	86.4	1.8	23.6	1.8	16	1.0	6.6	4.9	57	0.10
REP IDA 145501	QC	1.6	37.0	25.9	77	0.4	15.3	6.4	228	3.08	89.2	1.8	18.8	2.0	16	0.9	6.6	5.2	60	0.11
Reference Materials																				
STD DS7	Standard	20.7	113.5	72.6	396	1.0	54.1	9.5	611	2.31	52.6	5.2	74.6	5.0	72	6.6	5.9	4.8	82	0.93
STD DS7	Standard	20.2	110.2	62.9	400	0.9	58.2	9.5	641	2.36	49.0	4.5	60.1	4.4	76	6.3	5.6	4.3	79	0.96
STD DS7	Standard	20.8	115.0	73.5	405	1.0	59.9	9.8	601	2.36	50.3	5.2	73.8	5.4	78	6.8	6.5	4.7	85	0.94
STD DS7	Standard	20.0	112.3	76.7	404	1.0	59.5	10.1	614	2.45	51.3	5.4	66.7	5.3	73	6.3	6.2	4.9	87	0.91
STD DS7	Standard	18.5	98.1	61.5	387	0.9	51.6	8.5	588	2.28	52.4	4.7	87.5	4.6	72	6.2	5.5	4.2	75	0.91
STD DS7	Standard	18.7	110.5	66.9	388	1.0	54.0	9.2	611	2.36	48.3	4.6	67.8	4.4	70	6.2	5.7	4.7	82	0.90
STD DS7	Standard	18.8	104.8	70.1	378	0.9	51.0	8.9	586	2.26	47.0	5.2	71.1	4.9	70	6.3	5.8	4.9	78	0.91
STD DS7	Standard	23.0	123.5	70.0	380	1.0	61.7	10.1	604	2.29	44.8	5.1	66.9	5.2	70	5.4	5.6	4.3	90	0.91
STD DS7	Standard	20.3	106.4	68.8	350	0.9	54.9	9.2	589	2.19	49.5	4.8	72.3	4.5	73	6.0	6.0	4.4	82	0.88
STD DS7	Standard	23.4	124.0	76.5	414	1.0	63.8	10.4	660	2.54	53.7	5.6	74.9	5.3	75	6.5	6.4	4.9	94	0.98
STD DS7	Standard	20.8	111.1	70.0	395	1.0	55.8	9.1	613	2.36	49.7	4.8	81.7	4.8	77	6.3	6.0	4.7	82	0.94
STD DS7	Standard	19.4	104.7	70.8	384	0.9	54.5	9.3	601	2.29	49.8	4.8	76.9	4.7	74	5.7	5.8	4.8	80	0.91
STD DS7	Standard	19.1	112.8	69.5	395	1.0	54.5	9.3	622	2.39	54.1	5.0	80.3	4.7	72	6.5	5.7	4.7	83	0.93
STD DS7	Standard	19.4	108.6	69.9	399	1.0	55.3	9.3	614	2.38	53.9	4.8	59.9	4.6	69	6.6	6.1	4.8	82	0.92
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01



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:

Ryan Gold

402 - 905 West Pender St.

Vancouver BC V6C1L6 Canada

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Part 2

QUALITY CONTROL REPORT

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		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 156606	Soil	16	33	0.55	214	0.038	1	1.85	0.005	0.07	0.3	0.07	4.3	0.4	<0.05	6	1.7	<0.2
REP IDA 156606	QC	18	32	0.58	222	0.041	2	1.88	0.003	0.07	0.3	0.06	4.6	0.4	<0.05	7	2.0	<0.2
IDA 146207	Soil	14	37	0.37	274	0.036	4	1.28	0.007	0.10	0.2	0.07	3.1	0.2	<0.05	5	0.8	<0.2
REP IDA 146207	QC	13	34	0.38	274	0.035	4	1.22	0.006	0.10	0.2	0.07	3.2	0.2	<0.05	5	0.9	<0.2
IDA 145501	Soil	12	24	0.39	165	0.047	2	1.55	0.009	0.09	0.9	0.27	1.7	0.5	0.05	7	0.6	<0.2
REP IDA 145501	QC	13	24	0.40	163	0.048	2	1.59	0.009	0.09	0.9	0.29	1.8	0.5	<0.05	8	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	14	181	1.04	413	0.123	39	1.05	0.096	0.46	3.6	0.20	2.6	4.0	0.19	5	3.2	1.3
STD DS7	Standard	13	184	1.12	409	0.132	36	1.11	0.095	0.46	3.4	0.21	2.4	4.1	0.18	5	3.7	2.0
STD DS7	Standard	14	200	1.04	379	0.137	36	1.04	0.096	0.45	3.8	0.20	2.8	4.0	0.19	5	2.8	1.2
STD DS7	Standard	13	205	1.01	375	0.133	38	0.99	0.087	0.42	3.8	0.23	2.6	4.2	0.19	5	3.1	1.5
STD DS7	Standard	13	172	0.90	378	0.111	43	0.87	0.099	0.46	3.4	0.20	2.6	3.9	0.15	5	2.8	1.1
STD DS7	Standard	12	199	1.03	396	0.118	37	0.99	0.093	0.46	3.7	0.23	2.3	4.0	0.17	5	2.8	0.7
STD DS7	Standard	13	176	1.00	385	0.115	39	1.02	0.090	0.45	3.4	0.20	2.4	3.9	0.13	5	3.4	1.6
STD DS7	Standard	14	236	1.03	361	0.146	36	1.01	0.091	0.44	3.5	0.22	2.5	3.8	0.20	5	2.6	1.1
STD DS7	Standard	14	204	0.99	384	0.126	36	0.97	0.093	0.43	3.4	0.20	2.4	3.9	0.18	5	2.5	1.1
STD DS7	Standard	14	223	1.12	386	0.135	40	1.10	0.101	0.49	3.6	0.23	2.6	4.3	0.24	5	3.2	1.5
STD DS7	Standard	14	204	1.05	396	0.125	35	1.03	0.100	0.45	3.7	0.21	2.7	3.8	0.19	5	3.3	1.2
STD DS7	Standard	13	191	1.01	392	0.122	41	0.97	0.091	0.44	3.5	0.19	2.4	4.0	0.18	5	2.9	1.1
STD DS7	Standard	13	201	1.03	383	0.118	37	1.03	0.094	0.46	3.7	0.23	2.4	4.2	0.23	5	3.6	0.8
STD DS7	Standard	12	194	1.07	365	0.112	41	1.03	0.091	0.46	3.6	0.22	2.3	4.1	0.21	5	3.2	1.4
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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:

Ryan Gold

402 - 905 West Pender St.

Vancouver BC V6C1L6 Canada

Project:

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Report Date:

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Part 1

QUALITY CONTROL REPORT

WHI10000430.1

		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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
BLK	Blank	<0.1	0.5	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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:

Ryan Gold

402 - 905 West Pender St.

Vancouver BC V6C1L6 Canada

Project:

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Part 2

QUALITY CONTROL REPORT

WHI10000430.1

		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

Submitted By: Email Distribution

Receiving Lab: Canada-Whitehorse

Received: September 09, 2010

Report Date: October 15, 2010

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CERTIFICATE OF ANALYSIS

WHI10000431.1

CLIENT JOB INFORMATION

Project: IDA
Shipment ID: IDA4
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

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

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

Invoice To: Ryan Gold
402 - 905 West Pender St.
Vancouver BC V6C1L6
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	320	Dry at 60C			WHI
1DX2	320	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



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



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

Project:

IDA

Report Date:

October 15, 2010

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Part 1

CERTIFICATE OF ANALYSIS

WHI10000431.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
IDA 146022	Soil	1.5	13.2	39.7	95	0.5	11.7	8.1	308	2.75	461.8	1.1	11.0	3.1	41	0.8	1.2	18.4	59	0.21
IDA 146017	Soil	1.5	44.7	40.6	103	0.4	30.2	9.4	268	2.52	58.2	1.6	19.7	5.2	40	0.4	0.9	0.6	71	0.20
IDA 146021	Soil	2.3	42.5	63.1	344	0.6	22.0	9.6	443	2.97	114.0	2.2	57.1	4.2	124	2.3	1.4	2.9	109	0.48
IDA 112500	Soil	2.3	186.9	45.1	275	0.5	200.9	34.8	3338	12.07	10.5	1.9	33.3	2.5	15	2.8	3.7	0.4	57	0.06
IDA 146036	Soil	7.5	64.6	11.2	184	1.1	42.4	8.9	464	2.42	8.1	1.4	6.2	4.3	52	1.0	1.9	0.2	58	1.25
IDA 146035	Soil	1.8	22.5	10.9	65	0.3	26.9	10.4	214	2.72	10.6	0.7	5.8	4.2	16	0.4	0.6	0.2	60	0.20
IDA 150420	Soil	8.9	83.3	24.9	774	0.2	216.9	47.6	1549	4.55	13.4	2.5	15.6	6.5	16	1.2	2.7	0.3	35	0.08
IDA 150210	Soil	5.1	57.8	13.4	138	0.7	25.2	7.2	202	2.88	8.1	2.0	7.4	3.8	55	0.5	1.7	0.2	68	0.53
IDA 150212	Soil	1.6	17.6	26.5	98	0.1	15.9	13.6	806	3.67	18.7	2.4	5.4	11.5	44	0.3	3.1	0.3	78	0.42
IDA 150208	Soil	4.7	152.4	13.0	167	1.2	42.7	9.1	278	2.53	5.1	2.3	26.0	2.7	89	1.2	1.9	0.2	42	1.46
IDA 150214	Soil	11.8	87.8	17.0	399	3.1	94.8	12.5	425	3.65	19.9	4.4	14.8	4.6	46	5.4	2.2	0.3	248	0.31
IDA 150211	Soil	1.8	15.5	30.1	75	0.1	11.0	12.2	526	3.68	59.3	1.6	0.5	15.0	89	0.1	0.7	2.7	101	0.79
IDA 150202	Soil	4.9	58.1	13.6	76	1.9	28.2	2.8	133	1.37	27.9	3.1	8.7	1.2	142	0.9	3.3	0.2	114	0.65
IDA 150204	Soil	3.4	62.8	11.3	143	0.2	52.2	13.1	692	3.96	7.8	1.0	12.8	3.1	43	0.9	1.7	0.2	41	0.20
IDA 150209	Soil	7.3	157.4	28.9	191	0.9	46.5	13.8	567	4.15	27.8	2.0	19.8	3.6	66	1.0	2.1	0.7	65	0.65
IDA 150201	Soil	15.0	88.3	41.4	101	4.8	82.5	7.8	927	3.95	31.2	5.1	28.8	2.3	463	1.8	6.2	0.5	186	0.39
IDA 128468	Soil	5.7	352.6	102.7	595	1.1	140.6	31.6	1135	8.16	46.5	3.5	52.5	3.7	67	7.2	12.9	0.7	118	0.18
IDA 128474	Soil	1.2	30.1	9.6	77	0.2	23.2	8.5	240	2.20	13.1	0.9	5.6	3.5	23	0.3	1.2	0.2	46	0.28
IDA 150170	Soil	0.9	38.6	9.5	71	0.6	17.9	5.1	94	1.48	4.0	1.6	9.9	1.6	37	0.5	0.6	0.2	39	0.54
IDA 112497	Soil	1.9	38.2	11.2	103	0.2	30.0	9.2	335	2.35	13.4	1.6	7.0	5.4	24	0.2	2.5	0.2	77	0.22
IDA 156821	Soil	1.5	45.4	12.9	67	0.2	18.9	8.0	439	3.12	12.9	0.7	3.1	0.7	11	0.3	2.1	0.3	56	0.06
IDA 150174	Soil	2.6	41.0	14.6	90	0.3	21.9	8.9	263	2.66	10.2	1.3	5.9	0.7	24	0.5	1.4	0.2	48	0.16
IDA 156856	Soil	1.7	24.7	14.9	65	0.2	18.1	7.4	342	2.49	76.9	1.0	8.8	1.1	9	0.4	2.2	0.6	67	0.08
IDA 146019	Soil	1.3	51.0	57.1	101	0.5	18.8	10.0	644	2.10	37.1	1.7	28.9	1.0	60	0.6	0.9	2.3	74	0.47
IDA 156822	Soil	2.8	47.3	19.3	91	0.3	19.2	6.0	509	3.41	11.7	0.9	270.6	0.9	11	0.5	2.4	0.4	96	0.10
IDA 150173	Soil	7.7	88.5	21.9	220	1.1	46.8	10.5	259	2.98	11.4	1.5	13.5	1.0	51	2.0	2.3	0.2	64	0.72
IDA 156858	Soil	1.8	34.5	28.3	86	0.2	28.6	11.0	372	2.58	25.8	0.9	3.8	1.0	12	0.7	2.8	0.5	50	0.10
IDA 150424	Soil	11.6	160.3	36.1	404	0.8	88.9	22.7	530	7.55	42.2	2.4	11.3	3.2	9	1.1	3.4	0.4	92	0.05
IDA 150172	Soil	4.1	66.9	22.9	103	0.4	27.4	10.5	283	2.76	7.8	1.4	6.2	0.8	15	0.8	1.2	0.2	63	0.13
IDA 150169	Soil	7.2	69.4	43.0	277	1.2	48.2	13.1	603	2.86	103.1	8.2	30.7	3.0	45	2.9	11.8	1.8	93	0.36



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Ryan Gold**
402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

Project: IDA
Report Date: October 15, 2010

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CERTIFICATE OF ANALYSIS

WHI10000431.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 146022	Soil	14	23	0.39	124	0.042	2	1.55	0.008	0.06	1.4	0.04	2.4	0.2	<0.05	7	1.1	1.6
IDA 146017	Soil	16	37	0.80	324	0.099	2	1.98	0.009	0.16	0.3	0.05	3.4	0.3	<0.05	6	0.5	<0.2
IDA 146021	Soil	20	33	0.69	284	0.060	2	2.21	0.010	0.14	0.3	0.06	3.5	0.4	<0.05	7	1.6	0.3
IDA 112500	Soil	8	25	0.14	643	0.013	2	1.76	0.004	0.06	<0.1	0.61	11.0	0.3	<0.05	3	2.9	<0.2
IDA 146036	Soil	23	22	0.31	794	0.007	6	1.36	0.006	0.14	<0.1	0.32	5.5	0.3	<0.05	3	1.9	<0.2
IDA 146035	Soil	12	28	0.46	399	0.036	2	2.13	0.007	0.05	0.2	0.06	2.8	0.1	<0.05	6	0.6	<0.2
IDA 150420	Soil	16	22	0.45	414	0.013	3	1.20	0.004	0.15	<0.1	0.20	6.8	0.3	<0.05	4	1.3	<0.2
IDA 150210	Soil	19	30	0.69	318	0.034	4	1.47	0.010	0.13	0.2	0.10	4.0	0.1	<0.05	6	2.0	<0.2
IDA 150212	Soil	24	39	0.75	456	0.116	4	2.47	0.017	0.24	0.3	0.04	8.9	0.3	<0.05	8	<0.5	<0.2
IDA 150208	Soil	13	19	0.44	535	0.008	5	0.91	0.006	0.12	<0.1	0.58	4.5	0.2	0.07	3	2.5	<0.2
IDA 150214	Soil	14	59	0.53	567	0.042	2	2.13	0.009	0.09	0.2	0.06	5.0	0.2	<0.05	7	1.8	<0.2
IDA 150211	Soil	18	45	1.27	618	0.178	1	3.54	0.011	0.03	0.7	0.02	8.2	<0.1	<0.05	13	<0.5	<0.2
IDA 150202	Soil	4	30	0.13	427	0.002	5	0.32	0.005	0.08	<0.1	2.04	2.4	0.3	0.14	2	3.6	0.2
IDA 150204	Soil	10	18	0.19	400	0.012	2	0.89	0.004	0.10	<0.1	0.14	3.6	0.1	<0.05	3	0.8	<0.2
IDA 150209	Soil	25	19	0.27	360	0.006	3	1.08	0.005	0.13	<0.1	0.18	4.5	0.2	<0.05	4	3.1	0.4
IDA 150201	Soil	13	62	0.09	482	0.002	6	0.71	0.013	0.35	0.2	2.67	4.7	0.4	0.43	6	11.8	1.0
IDA 128468	Soil	24	67	0.32	334	0.005	4	1.76	0.006	0.09	0.3	0.24	7.4	0.4	<0.05	4	3.3	0.4
IDA 128474	Soil	15	27	0.48	315	0.041	2	1.34	0.011	0.05	0.3	0.05	3.3	<0.1	<0.05	4	0.7	<0.2
IDA 150170	Soil	13	20	0.38	686	0.009	3	1.25	0.006	0.07	<0.1	0.25	2.8	0.2	0.07	4	0.9	<0.2
IDA 112497	Soil	16	25	0.37	251	0.049	1	1.22	0.005	0.05	0.2	0.12	3.8	<0.1	<0.05	4	0.5	<0.2
IDA 156821	Soil	14	29	0.40	128	0.027	2	1.55	0.006	0.07	0.2	0.06	1.4	0.2	<0.05	6	1.2	<0.2
IDA 150174	Soil	12	24	0.36	405	0.019	3	1.36	0.007	0.09	0.1	0.10	1.7	0.2	<0.05	5	1.1	<0.2
IDA 156856	Soil	11	28	0.44	126	0.051	2	1.48	0.005	0.08	0.2	0.04	1.8	0.2	<0.05	7	0.8	<0.2
IDA 146019	Soil	16	34	0.77	274	0.052	2	1.55	0.013	0.10	0.2	0.05	2.0	0.6	<0.05	6	1.0	<0.2
IDA 156822	Soil	11	37	0.53	154	0.068	2	1.59	0.007	0.12	0.2	0.05	1.5	0.2	<0.05	10	1.2	<0.2
IDA 150173	Soil	17	32	0.55	685	0.015	5	1.47	0.006	0.11	0.2	0.24	2.8	0.2	<0.05	4	2.3	<0.2
IDA 156858	Soil	11	27	0.42	111	0.033	2	1.68	0.006	0.06	0.1	0.05	1.8	0.2	<0.05	5	1.2	<0.2
IDA 150424	Soil	7	46	0.27	863	0.022	2	2.13	0.005	0.06	0.2	0.12	6.0	0.2	<0.05	5	2.4	<0.2
IDA 150172	Soil	14	30	0.55	553	0.012	4	1.58	0.005	0.14	<0.1	0.12	1.9	0.1	<0.05	5	1.4	<0.2
IDA 150169	Soil	17	27	0.40	548	0.020	3	1.22	0.007	0.10	0.3	0.53	3.4	0.5	<0.05	4	2.3	<0.2



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Part 1

CERTIFICATE OF ANALYSIS

WHI10000431.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
IDA 110896	Soil	1.5	31.0	14.3	62	0.5	29.4	10.7	303	3.22	13.0	0.6	2.6	3.6	10	0.3	1.4	0.2	49	0.05	0.032
IDA 146034	Soil	3.2	24.8	13.4	93	0.3	27.4	9.9	408	3.31	14.1	0.7	1.3	3.3	18	0.4	1.0	0.3	60	0.07	0.036
IDA 145553	Soil	3.8	72.2	17.4	144	0.7	28.3	11.4	561	2.46	12.2	1.1	8.7	0.7	15	1.0	3.0	0.3	50	0.19	0.178
IDA 145550	Soil	3.3	28.3	13.0	94	0.5	23.8	8.1	262	2.96	13.4	0.8	2.7	3.1	10	0.5	1.9	0.3	64	0.05	0.041
IDA 155960	Soil	7.8	88.5	20.8	311	0.5	76.7	23.2	584	4.00	17.7	3.7	13.0	2.9	28	0.9	10.3	0.4	122	0.10	0.091
IDA 155964	Soil	3.2	89.3	18.3	124	0.2	42.2	20.2	640	3.38	14.5	1.2	5.9	1.3	17	0.4	7.3	0.4	93	0.11	0.096
IDA 156941	Soil	8.1	74.8	49.7	139	0.3	35.5	14.8	718	3.91	20.8	3.4	6.7	1.0	23	0.5	14.4	0.7	73	0.14	0.127
IDA 145763	Soil	3.6	23.8	14.6	134	<0.1	19.9	6.3	225	2.16	21.1	2.0	2.8	1.7	14	0.3	6.1	0.3	84	0.11	0.052
IDA 155958	Soil	2.3	38.7	11.2	63	0.2	23.3	6.9	255	3.13	16.2	1.2	27.6	2.5	16	0.4	6.4	0.2	62	0.10	0.086
IDA 155961	Soil	3.2	54.1	19.4	97	0.3	26.2	11.9	403	3.16	13.9	2.4	6.7	0.8	22	0.3	6.2	0.4	91	0.12	0.124
IDA 145545	Soil	3.4	23.3	11.6	100	0.1	26.2	8.5	289	2.76	13.8	0.9	4.8	3.8	12	0.6	1.8	0.2	65	0.09	0.050
IDA 145551	Soil	2.4	20.4	10.5	76	<0.1	18.2	6.9	350	2.47	17.1	0.7	2.7	2.4	10	0.4	1.8	0.2	66	0.07	0.045
IDA 145757	Soil	3.1	36.8	23.5	98	0.2	20.7	9.0	487	2.15	137.6	1.4	14.4	1.5	24	0.7	10.0	0.9	65	0.31	0.068
IDA 156731	Soil	2.2	17.1	10.9	57	0.1	13.9	4.4	134	1.84	10.2	0.9	3.7	0.5	9	0.2	1.3	0.3	62	0.07	0.053
IDA 145549	Soil	2.1	36.1	11.8	87	0.1	29.0	9.6	283	2.63	12.4	1.3	6.7	3.6	12	0.4	1.4	0.3	53	0.11	0.057
IDA 155959	Soil	1.9	36.4	15.0	120	0.2	38.1	12.3	480	2.94	10.3	1.1	6.7	1.4	13	0.4	2.8	0.2	58	0.07	0.049
IDA 155963	Soil	4.5	67.9	22.4	103	0.2	35.0	12.1	395	3.45	17.2	2.8	9.7	0.4	43	0.4	5.6	0.5	122	0.20	0.187
IDA 156733	Soil	1.5	24.9	10.9	67	0.2	15.4	5.2	176	1.93	9.9	1.0	20.0	0.4	13	0.3	1.5	0.2	54	0.11	0.064
IDA 145541	Soil	3.7	75.0	27.9	127	1.4	41.0	10.3	121	2.02	11.9	1.9	7.6	0.5	24	1.2	2.7	0.3	48	0.27	0.136
IDA 145547	Soil	2.5	18.5	10.4	58	<0.1	13.5	3.4	100	1.34	6.4	1.2	5.7	0.2	9	0.3	1.2	0.2	58	0.06	0.059
IDA 145764	Soil	4.1	28.9	13.2	168	0.1	28.4	6.9	218	2.74	26.1	1.7	5.6	4.1	11	0.6	15.4	0.3	67	0.06	0.029
IDA 145543	Soil	2.4	13.9	11.1	46	0.2	11.0	3.2	105	2.37	10.3	0.5	1.6	1.6	6	0.2	1.4	0.3	68	0.04	0.034
IDA 156599	Soil	2.1	18.5	15.8	49	<0.1	16.5	7.5	265	2.93	163.5	1.2	2.4	4.4	10	0.2	2.8	0.8	65	0.06	0.043
IDA 145761	Soil	1.8	20.6	10.0	94	<0.1	18.6	8.1	294	2.04	20.0	1.3	18.5	1.4	15	0.4	3.0	0.3	62	0.15	0.070
IDA 145767	Soil	1.1	17.9	9.5	52	<0.1	15.9	6.7	179	1.93	12.5	1.0	1.9	1.1	14	0.1	1.8	0.2	56	0.14	0.073
IDA 145554	Soil	4.8	78.9	12.1	153	1.3	54.4	10.8	397	2.78	12.5	1.3	8.4	1.9	37	1.0	6.3	0.2	52	0.72	0.133
IDA 145542	Soil	14.7	55.1	16.8	228	1.4	48.7	10.0	248	3.03	17.4	2.7	4.3	0.4	19	2.7	4.9	0.3	110	0.06	0.115
IDA 145759	Soil	2.5	30.7	9.5	98	0.1	23.3	6.9	216	2.01	40.3	1.3	3.5	1.9	19	0.4	6.1	0.3	60	0.24	0.073
IDA 145552	Soil	1.5	30.0	13.1	64	0.1	24.2	10.0	286	2.72	15.7	0.8	3.2	4.2	9	0.2	1.8	0.2	65	0.07	0.029
IDA 145544	Soil	7.8	50.3	12.0	231	0.6	50.2	9.9	212	2.55	14.9	2.3	6.6	4.8	33	1.2	4.6	0.2	83	0.06	0.056



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Part 2

CERTIFICATE OF ANALYSIS

WHI10000431.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 110896	Soil	8	30	0.32	137	0.026	2	1.84	0.005	0.05	0.2	0.09	2.7	0.1	<0.05	4	0.8	<0.2
IDA 146034	Soil	9	29	0.38	196	0.031	1	1.69	0.006	0.05	0.2	0.03	2.4	0.1	<0.05	6	0.5	<0.2
IDA 145553	Soil	18	24	0.33	557	0.006	2	1.25	0.005	0.06	0.1	0.08	0.7	0.2	<0.05	4	1.3	<0.2
IDA 145550	Soil	12	28	0.37	194	0.034	2	1.42	0.006	0.07	0.2	0.05	2.2	0.1	<0.05	6	0.6	<0.2
IDA 155960	Soil	21	48	0.98	301	0.064	2	1.70	0.010	0.19	0.2	0.04	3.1	0.4	0.11	7	3.4	<0.2
IDA 155964	Soil	11	36	0.93	193	0.055	2	1.87	0.008	0.15	0.1	0.02	2.3	0.2	<0.05	8	1.6	<0.2
IDA 156941	Soil	11	25	0.83	170	0.036	2	1.86	0.009	0.10	0.1	0.05	1.4	0.2	0.06	7	2.0	<0.2
IDA 145763	Soil	14	28	0.54	164	0.038	2	1.44	0.006	0.06	0.2	0.14	2.5	0.3	<0.05	5	0.8	<0.2
IDA 155958	Soil	19	31	0.31	164	0.034	1	1.05	0.006	0.06	0.3	0.05	1.7	0.2	0.06	5	1.5	<0.2
IDA 155961	Soil	13	32	0.93	259	0.042	2	2.08	0.008	0.20	0.1	0.03	1.7	0.3	<0.05	8	1.3	<0.2
IDA 145545	Soil	12	31	0.46	223	0.030	2	1.82	0.006	0.06	0.2	0.04	2.6	0.1	<0.05	5	1.0	<0.2
IDA 145551	Soil	12	25	0.35	145	0.034	1	1.29	0.005	0.05	0.2	0.03	2.2	0.1	<0.05	5	0.7	<0.2
IDA 145757	Soil	13	28	0.66	210	0.046	2	1.43	0.011	0.10	0.2	0.12	2.1	0.3	<0.05	6	0.9	<0.2
IDA 156731	Soil	12	24	0.30	138	0.026	2	1.17	0.006	0.05	0.1	0.04	1.3	0.2	<0.05	5	<0.5	<0.2
IDA 145549	Soil	13	28	0.49	243	0.034	2	1.71	0.006	0.08	0.2	0.04	2.8	0.1	<0.05	5	0.7	<0.2
IDA 155959	Soil	16	35	0.52	167	0.043	2	1.63	0.005	0.07	0.2	0.05	2.0	0.2	<0.05	6	0.9	<0.2
IDA 155963	Soil	11	41	0.92	261	0.021	1	2.25	0.009	0.21	<0.1	0.03	0.8	0.3	0.06	9	1.9	0.3
IDA 156733	Soil	14	25	0.37	174	0.022	2	1.31	0.006	0.06	0.1	0.07	1.3	0.2	<0.05	5	<0.5	<0.2
IDA 145541	Soil	13	28	0.46	291	0.016	3	1.50	0.007	0.08	0.2	0.10	1.8	0.2	0.10	6	1.8	<0.2
IDA 145547	Soil	13	23	0.27	141	0.010	2	1.15	0.005	0.07	<0.1	0.09	0.5	0.2	<0.05	5	<0.5	<0.2
IDA 145764	Soil	12	32	0.52	153	0.042	2	1.74	0.006	0.06	0.2	0.25	3.0	0.5	<0.05	6	1.4	<0.2
IDA 145543	Soil	11	18	0.14	107	0.033	1	1.02	0.004	0.03	0.1	0.04	1.3	0.1	0.06	7	<0.5	<0.2
IDA 156599	Soil	14	25	0.33	84	0.058	1	1.76	0.006	0.04	0.5	0.05	2.1	0.1	<0.05	8	<0.5	<0.2
IDA 145761	Soil	13	28	0.62	154	0.040	1	1.61	0.006	0.08	0.1	0.06	2.0	0.2	<0.05	5	<0.5	<0.2
IDA 145767	Soil	12	26	0.53	116	0.038	1	1.60	0.006	0.07	0.1	0.03	2.0	0.2	0.06	5	0.6	<0.2
IDA 145554	Soil	20	25	0.81	391	0.011	3	1.33	0.006	0.10	0.2	0.13	3.1	0.1	0.07	4	1.8	<0.2
IDA 145542	Soil	17	29	0.27	330	0.009	3	1.41	0.006	0.09	0.1	0.13	1.2	0.3	0.08	6	2.4	<0.2
IDA 145759	Soil	14	27	0.59	178	0.048	2	1.43	0.007	0.09	0.1	0.07	2.3	0.2	<0.05	5	0.6	<0.2
IDA 145552	Soil	12	34	0.42	192	0.050	1	2.20	0.007	0.03	0.3	0.03	3.6	0.1	<0.05	6	0.6	<0.2
IDA 145544	Soil	21	26	0.38	583	0.021	3	1.41	0.007	0.14	0.1	0.14	4.0	0.3	0.10	5	1.6	<0.2



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Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
IDA 145765	Soil	3.6	16.2	10.8	69	0.1	16.3	2.4	97	1.47	11.5	1.6	3.9	0.3	7	0.3	16.6	0.4	61	0.03
IDA 145760	Soil	2.1	22.8	10.0	105	0.1	22.2	10.3	398	2.28	21.7	1.4	2.4	2.6	17	0.4	3.3	0.2	65	0.18
IDA 145546	Soil	5.3	23.0	13.8	108	0.1	25.2	6.3	195	2.59	13.3	1.1	3.6	2.1	10	0.6	2.4	0.2	105	0.05
IDA 145762	Soil	2.2	20.4	9.8	73	<0.1	17.2	7.3	236	1.99	13.5	1.5	4.3	1.3	13	0.2	4.2	0.2	56	0.14
IDA 145555	Soil	3.2	78.6	63.9	107	0.5	25.8	12.1	454	2.70	489.0	2.5	74.0	5.9	46	0.6	36.4	3.4	73	0.49
IDA 150259	Soil	2.9	39.1	11.7	201	0.3	38.4	12.6	337	2.77	18.1	1.2	2.6	5.0	32	1.2	3.3	0.3	92	0.30
IDA 150269	Soil	2.5	62.7	22.7	262	0.7	48.0	8.5	308	2.55	23.2	3.4	12.4	7.3	84	1.4	3.9	0.3	85	0.64
IDA 150271	Soil	2.3	37.6	11.5	89	0.3	37.4	11.1	432	2.61	14.3	1.5	35.4	4.8	47	0.3	2.2	0.2	86	0.46
IDA 150258	Soil	2.3	47.4	17.9	94	0.3	29.8	13.2	526	2.82	10.9	1.1	3.6	1.9	16	0.6	1.7	0.2	65	0.11
IDA 150266	Soil	2.2	57.7	14.4	170	1.4	38.0	6.9	183	2.28	13.8	2.8	6.9	4.9	60	3.0	1.8	0.3	88	0.56
IDA 145569	Soil	1.1	16.5	11.6	47	<0.1	15.9	7.1	208	2.22	26.2	0.7	6.3	2.3	11	0.3	3.0	0.2	43	0.11
IDA 145570	Soil	2.8	55.8	51.2	77	0.4	17.3	5.5	157	2.27	327.7	1.8	42.2	0.9	27	0.6	32.5	2.4	71	0.10
IDA 145568	Soil	1.1	17.0	12.4	50	<0.1	16.2	7.7	225	2.09	27.4	0.7	2.6	2.3	11	0.3	3.3	0.2	40	0.10
IDA 150251	Soil	8.1	81.0	16.6	291	0.3	70.4	13.7	495	4.61	11.4	2.5	1.3	1.3	37	1.3	1.7	0.3	94	0.05
IDA 150254	Soil	1.3	37.7	9.5	127	0.4	25.2	7.7	318	1.71	16.2	3.0	5.2	1.9	67	1.8	1.0	0.3	56	0.98
IDA 150255	Soil	3.6	36.0	13.1	114	0.8	28.5	9.0	245	2.70	15.4	1.6	7.5	4.2	25	0.8	1.9	0.2	78	0.13
IDA 150267	Soil	2.1	32.0	12.1	91	0.6	25.9	8.0	193	2.33	25.5	1.9	4.2	4.6	33	0.5	1.5	0.2	79	0.26
IDA 150270	Soil	2.4	45.7	25.7	212	0.8	38.9	7.1	353	2.80	20.8	2.9	12.4	9.0	125	0.9	4.4	0.2	82	0.73
IDA 150256	Soil	1.3	23.3	11.4	82	0.6	36.5	12.0	264	2.93	12.7	0.5	2.2	3.5	11	0.4	0.9	0.2	71	0.09
IDA 155981	Soil	1.0	20.6	13.8	57	<0.1	24.4	11.3	401	2.39	102.7	1.2	3.3	3.3	13	0.5	2.0	0.5	46	0.10
IDA 146174	Soil	2.1	122.4	33.2	238	0.9	48.1	15.7	392	6.57	17.1	0.9	2.0	3.4	77	0.6	8.3	0.6	68	0.12
IDA 146165	Soil	2.3	12.0	11.2	40	0.2	11.0	4.5	246	2.75	11.5	0.6	1.3	2.8	9	0.2	1.1	0.3	81	0.06
IDA 150268	Soil	4.5	48.9	15.8	272	0.9	46.1	10.2	336	2.60	19.8	2.8	16.5	5.1	65	2.2	5.7	0.2	105	0.44
IDA 156651	Soil	1.6	12.1	10.4	44	0.5	10.6	4.4	158	2.60	10.7	0.5	1.5	2.6	8	0.5	0.9	0.2	62	0.05
IDA 146167	Soil	1.5	11.7	9.8	39	<0.1	9.2	3.4	152	2.86	14.9	0.4	2.4	2.3	8	<0.1	2.7	0.3	75	0.05
IDA 146157	Soil	5.2	33.2	9.6	115	0.2	29.7	12.0	294	2.68	8.1	1.3	4.7	5.0	29	0.7	1.4	0.2	55	0.29
IDA 150260	Soil	5.3	68.4	16.4	219	0.8	60.4	12.0	369	2.98	64.6	2.4	8.5	7.8	47	1.6	10.1	0.5	169	0.42
IDA 156649	Soil	2.6	23.3	11.6	63	0.3	18.5	6.2	262	2.04	10.1	0.7	3.2	0.3	17	0.3	2.3	0.2	50	0.04
IDA 146166	Soil	3.8	25.8	11.8	65	0.3	23.4	10.3	407	3.54	18.8	1.3	15.4	3.5	18	0.3	7.4	0.4	66	0.08
IDA 146164	Soil	2.3	21.9	11.2	125	0.7	22.2	17.3	730	2.53	7.0	0.5	2.3	2.3	16	1.0	0.7	0.2	61	0.14



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402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 145765	Soil	9	24	0.34	116	0.033	1	0.98	0.005	0.09	<0.1	0.10	1.2	0.5	<0.05	8	0.9	<0.2
IDA 145760	Soil	14	28	0.64	166	0.046	2	1.65	0.008	0.09	0.2	0.06	2.6	0.2	<0.05	5	0.6	<0.2
IDA 145546	Soil	12	29	0.36	189	0.026	2	1.61	0.005	0.07	0.1	0.08	2.2	0.2	<0.05	6	0.8	<0.2
IDA 145762	Soil	14	26	0.47	126	0.037	1	1.37	0.006	0.06	0.2	0.08	2.0	0.2	<0.05	5	0.6	<0.2
IDA 145555	Soil	19	31	0.73	395	0.064	1	1.53	0.010	0.15	0.3	1.17	3.3	0.5	0.07	6	0.7	0.3
IDA 150259	Soil	15	38	0.67	330	0.071	3	1.84	0.012	0.14	0.2	0.17	3.6	0.3	<0.05	6	1.0	<0.2
IDA 150269	Soil	21	34	0.75	301	0.068	2	1.78	0.017	0.11	0.3	0.13	4.9	0.3	<0.05	6	1.0	<0.2
IDA 150271	Soil	16	42	0.69	262	0.105	2	1.77	0.023	0.17	0.4	0.05	3.3	0.3	<0.05	6	0.7	<0.2
IDA 150258	Soil	14	31	0.38	194	0.044	2	1.43	0.006	0.06	0.2	0.08	2.8	0.2	<0.05	5	0.8	<0.2
IDA 150266	Soil	22	36	0.73	293	0.074	2	2.21	0.015	0.08	0.3	0.17	4.2	0.2	<0.05	8	1.0	<0.2
IDA 145569	Soil	12	23	0.34	103	0.035	1	1.35	0.005	0.04	0.2	0.06	2.1	0.1	<0.05	4	0.8	<0.2
IDA 145570	Soil	14	27	0.44	218	0.049	2	1.23	0.009	0.17	0.2	0.78	1.7	0.5	0.08	6	0.9	<0.2
IDA 145568	Soil	12	22	0.32	105	0.033	1	1.30	0.005	0.04	0.2	0.06	1.9	0.1	<0.05	4	0.5	<0.2
IDA 150251	Soil	15	25	0.14	365	0.011	2	1.33	0.005	0.10	<0.1	0.12	2.7	0.2	0.07	5	1.0	<0.2
IDA 150254	Soil	16	24	0.49	330	0.024	3	1.14	0.010	0.08	0.2	0.23	2.9	0.1	0.11	4	2.5	<0.2
IDA 150255	Soil	13	31	0.37	288	0.034	2	1.69	0.010	0.08	0.1	0.10	3.2	0.2	<0.05	5	1.0	<0.2
IDA 150267	Soil	16	33	0.53	280	0.062	2	1.75	0.013	0.07	0.2	0.12	3.6	0.2	<0.05	6	0.7	<0.2
IDA 150270	Soil	24	37	0.87	503	0.069	2	2.30	0.014	0.14	0.2	0.09	5.7	0.3	<0.05	8	0.7	<0.2
IDA 150256	Soil	10	34	0.42	352	0.046	1	2.35	0.006	0.06	0.1	0.03	2.8	0.1	<0.05	7	<0.5	<0.2
IDA 155981	Soil	16	23	0.44	132	0.043	2	1.72	0.007	0.04	0.7	0.04	2.4	0.2	<0.05	5	0.6	<0.2
IDA 146174	Soil	15	37	1.09	542	0.082	3	3.67	0.010	0.10	0.3	0.05	4.8	0.2	0.12	9	0.6	<0.2
IDA 146165	Soil	12	22	0.19	105	0.055	<1	1.50	0.004	0.04	0.1	0.03	1.9	0.2	<0.05	8	<0.5	<0.2
IDA 150268	Soil	18	38	0.55	413	0.051	2	1.57	0.013	0.08	0.2	0.38	5.2	0.3	<0.05	6	1.6	<0.2
IDA 156651	Soil	11	22	0.22	108	0.035	1	1.38	0.004	0.03	0.2	0.05	1.9	0.1	<0.05	7	<0.5	<0.2
IDA 146167	Soil	11	21	0.16	88	0.051	<1	1.14	0.004	0.04	0.1	0.03	1.3	0.2	<0.05	7	<0.5	<0.2
IDA 146157	Soil	19	28	0.63	324	0.021	3	1.74	0.009	0.15	<0.1	0.07	2.9	0.2	<0.05	6	1.9	<0.2
IDA 150260	Soil	21	44	0.87	503	0.072	4	1.79	0.016	0.15	0.2	0.58	6.7	0.3	0.06	7	1.8	<0.2
IDA 156649	Soil	12	22	0.25	216	0.011	2	1.00	0.005	0.05	0.1	0.08	0.7	0.1	<0.05	4	<0.5	<0.2
IDA 146166	Soil	9	33	0.41	205	0.024	2	1.99	0.007	0.05	0.2	0.09	2.3	0.3	<0.05	5	0.5	<0.2
IDA 146164	Soil	8	26	0.35	140	0.022	2	1.77	0.008	0.05	0.2	0.02	1.9	0.2	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
IDA 145571	Soil	2.5	85.5	40.6	79	0.4	24.6	9.4	333	2.31	344.5	3.3	41.5	1.7	28	0.9	24.6	2.0	59	0.19	0.085
IDA 150257	Soil	2.4	52.4	26.5	84	0.3	33.9	14.8	322	3.15	14.5	1.0	5.0	3.3	12	0.3	2.2	0.3	62	0.07	0.035
IDA 146170	Soil	4.8	19.0	14.2	71	2.3	17.7	7.8	212	3.22	26.7	1.3	13.2	4.0	14	0.6	11.7	0.4	105	0.07	0.070
IDA 150253	Soil	1.5	29.2	14.1	95	0.3	24.2	9.1	310	2.22	37.2	1.7	5.6	5.2	38	0.6	1.0	0.3	64	0.37	0.071
IDA 150252	Soil	2.0	34.1	16.3	101	0.2	23.8	8.4	268	2.33	46.6	1.4	7.1	6.2	37	0.5	1.3	0.4	69	0.37	0.090
IDA 146163	Soil	1.4	77.6	8.2	201	0.3	332.1	13.9	3963	5.36	17.8	1.8	21.8	3.1	10	0.5	0.4	0.9	14	0.14	0.023
IDA 158414	Soil	1.5	44.1	12.8	85	0.2	31.3	11.7	695	2.87	11.3	0.9	7.3	4.9	34	0.6	1.4	0.2	50	0.35	0.111
IDA 158494	Soil	2.1	64.1	11.6	96	0.2	34.8	9.7	292	2.69	13.4	1.0	15.5	5.1	14	0.3	1.3	0.2	56	0.10	0.048
IDA 158497	Soil	3.0	68.5	14.1	102	0.5	48.4	12.9	478	3.11	12.4	0.9	12.0	3.9	28	0.7	1.3	0.2	79	0.21	0.076
IDA 146159	Soil	2.7	23.8	12.5	96	0.3	26.8	13.2	591	3.19	11.3	0.8	4.8	4.1	79	0.7	1.5	0.3	96	0.84	0.080
IDA 158489	Soil	10.0	134.4	16.2	336	0.3	102.9	17.1	1266	4.09	17.3	3.4	18.6	4.4	22	3.7	4.9	0.2	89	0.11	0.090
IDA 158493	Soil	2.2	28.0	15.9	101	0.3	21.4	8.2	553	1.74	20.5	2.8	7.7	1.8	83	0.9	1.0	0.4	58	1.19	0.068
IDA 158500	Soil	4.3	59.7	14.6	155	0.2	46.5	13.1	500	3.68	11.7	1.8	9.6	4.5	30	1.0	1.7	0.2	68	0.06	0.043
IDA 146173	Soil	1.7	10.6	12.8	30	<0.1	6.8	3.2	116	2.41	256.7	0.5	1.5	3.3	8	0.1	2.0	1.4	60	0.05	0.025
IDA 158492	Soil	1.0	50.3	7.4	64	0.3	27.7	6.7	303	1.69	5.6	5.2	13.0	1.6	103	0.6	0.8	0.1	33	1.36	0.057
IDA 150216	Soil	3.7	53.4	16.4	105	0.6	38.9	10.5	376	2.98	15.5	2.0	5.4	5.2	61	0.7	2.2	0.2	96	0.28	0.058
IDA 150264	Soil	19.0	68.7	16.6	438	0.8	75.6	14.1	471	2.78	32.2	3.6	4.5	6.1	49	3.3	8.5	0.3	216	0.32	0.106
IDA 146153	Soil	6.5	63.9	35.2	229	0.7	40.7	12.1	574	3.24	92.1	2.0	4.3	4.4	82	1.1	9.1	0.6	98	0.82	0.247
IDA 156973	Soil	1.3	17.3	8.9	52	<0.1	16.5	5.9	215	1.84	12.7	0.8	2.2	0.8	11	0.2	2.2	0.2	41	0.12	0.050
IDA 158498	Soil	2.1	34.3	12.5	112	0.2	24.5	8.5	313	2.90	12.2	1.1	3.5	5.1	13	0.5	1.0	0.2	72	0.09	0.035
IDA 146156	Soil	2.7	29.1	16.1	152	0.1	23.9	17.7	1174	3.01	8.6	0.9	2.6	7.2	34	1.0	1.1	0.2	46	0.71	0.102
IDA 146155	Soil	2.4	17.2	11.0	77	0.5	19.3	7.2	453	2.72	14.7	0.6	4.0	3.4	18	0.4	1.0	0.2	55	0.27	0.057
IDA 158495	Soil	1.8	30.5	12.4	113	0.3	28.3	10.2	326	2.80	10.6	0.6	6.7	3.3	24	0.7	0.9	0.2	65	0.19	0.085
IDA 150262	Soil	4.0	39.3	17.9	270	0.4	48.4	11.3	404	3.09	37.7	2.0	8.1	7.5	36	1.2	5.6	0.5	90	0.36	0.069
IDA 128110	Soil	7.4	162.3	19.4	297	0.9	53.3	19.7	974	4.74	7.8	0.8	5.8	1.1	59	1.5	2.7	0.3	74	0.54	0.130
IDA 150213	Soil	13.4	39.3	9.7	957	0.7	74.6	12.3	391	2.48	29.6	5.3	3.1	4.3	48	5.9	6.5	0.2	318	0.49	0.049
IDA 158499	Soil	19.0	89.9	15.0	179	2.6	54.6	8.2	194	3.51	58.0	6.9	19.3	2.5	142	1.8	12.1	0.3	357	0.12	0.096
IDA 158496	Soil	2.7	63.4	13.5	105	0.5	50.0	12.6	545	3.01	12.5	0.9	11.1	4.2	30	0.8	1.4	0.2	82	0.24	0.077
IDA 150207	Soil	3.1	69.5	9.9	100	0.7	16.8	6.4	346	1.83	5.5	3.3	6.8	0.7	120	0.3	1.2	0.2	53	1.48	0.091
IDA 150215	Soil	6.1	39.4	15.8	192	0.7	41.4	12.5	501	3.21	17.1	1.7	4.3	5.6	45	1.3	2.5	0.3	176	0.22	0.046



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 145571	Soil	16	27	0.57	240	0.037	2	1.41	0.010	0.13	0.3	0.77	1.9	0.4	0.06	4	0.7	<0.2
IDA 150257	Soil	11	33	0.41	185	0.033	2	1.87	0.005	0.06	0.1	0.05	2.9	0.4	<0.05	5	0.5	<0.2
IDA 146170	Soil	10	42	0.35	182	0.030	2	2.55	0.004	0.04	0.2	0.54	2.9	0.3	<0.05	5	1.7	<0.2
IDA 150253	Soil	19	31	0.70	345	0.054	4	1.70	0.012	0.08	0.2	0.09	3.3	0.2	<0.05	5	<0.5	<0.2
IDA 150252	Soil	20	32	0.75	306	0.066	3	1.68	0.010	0.12	0.2	0.04	3.3	0.2	<0.05	5	<0.5	<0.2
IDA 146163	Soil	6	24	19.26	87	0.024	684	1.60	0.002	<0.01	<0.1	0.02	4.3	0.1	<0.05	2	1.2	<0.2
IDA 158414	Soil	19	29	0.52	427	0.044	4	1.25	0.007	0.09	0.1	0.08	4.2	0.1	<0.05	4	<0.5	<0.2
IDA 158494	Soil	11	31	0.53	192	0.033	5	1.73	0.006	0.06	0.2	0.05	2.9	0.1	<0.05	4	0.9	<0.2
IDA 158497	Soil	11	60	0.61	325	0.023	4	1.69	0.007	0.10	0.1	0.12	3.0	0.2	<0.05	4	0.9	<0.2
IDA 146159	Soil	14	38	0.94	555	0.052	7	2.36	0.019	0.14	0.1	0.02	3.2	0.3	0.07	9	0.7	<0.2
IDA 158489	Soil	14	29	0.38	378	0.027	4	1.36	0.006	0.06	0.2	0.40	5.5	0.2	<0.05	3	1.4	<0.2
IDA 158493	Soil	14	24	0.65	297	0.036	6	1.30	0.010	0.07	0.2	0.12	2.4	0.2	0.08	4	2.3	<0.2
IDA 158500	Soil	14	31	0.38	299	0.024	3	1.78	0.006	0.09	0.1	0.12	3.5	0.2	0.06	5	0.5	<0.2
IDA 146173	Soil	14	16	0.20	78	0.027	1	1.01	0.004	0.04	0.2	<0.01	1.3	0.2	<0.05	6	<0.5	0.5
IDA 158492	Soil	8	19	0.48	590	0.017	5	0.93	0.009	0.04	<0.1	0.15	2.2	0.1	0.12	3	2.8	<0.2
IDA 150216	Soil	16	37	0.55	478	0.073	3	1.55	0.012	0.14	0.5	0.39	3.9	0.2	0.05	5	0.5	<0.2
IDA 150264	Soil	21	50	0.80	410	0.064	4	1.95	0.011	0.12	0.2	0.30	4.1	0.4	<0.05	6	3.6	<0.2
IDA 146153	Soil	20	34	0.77	394	0.029	5	1.92	0.009	0.17	0.1	0.03	3.0	0.3	<0.05	6	2.1	0.2
IDA 156973	Soil	12	22	0.38	98	0.032	3	1.10	0.006	0.05	0.2	0.06	1.3	0.1	<0.05	4	<0.5	<0.2
IDA 158498	Soil	13	39	0.50	188	0.050	2	2.12	0.007	0.08	0.2	0.04	3.5	0.1	<0.05	5	<0.5	<0.2
IDA 146156	Soil	34	28	0.76	548	0.017	10	1.76	0.008	0.32	<0.1	0.02	3.0	0.1	<0.05	6	2.4	<0.2
IDA 146155	Soil	12	28	0.55	281	0.028	3	1.74	0.006	0.10	0.1	0.05	2.1	0.1	<0.05	5	1.4	<0.2
IDA 158495	Soil	10	34	0.46	327	0.033	2	1.73	0.007	0.10	0.1	0.03	2.4	0.1	<0.05	5	<0.5	<0.2
IDA 150262	Soil	23	41	0.70	463	0.071	3	1.81	0.012	0.11	0.1	0.39	6.9	0.3	<0.05	5	1.2	<0.2
IDA 128110	Soil	5	21	0.31	677	0.004	4	0.95	0.006	0.15	<0.1	0.10	3.0	0.2	<0.05	3	2.4	<0.2
IDA 150213	Soil	18	45	0.79	424	0.117	3	1.91	0.016	0.08	0.4	0.02	2.8	0.4	<0.05	7	1.0	<0.2
IDA 158499	Soil	21	50	0.19	553	0.010	2	0.89	0.009	0.20	0.1	0.90	2.9	1.0	0.38	3	4.8	0.4
IDA 158496	Soil	13	64	0.62	357	0.033	2	1.79	0.007	0.11	0.1	0.12	3.3	0.2	<0.05	4	0.7	<0.2
IDA 150207	Soil	4	13	0.46	436	0.009	7	0.67	0.006	0.11	<0.1	0.23	1.7	0.1	0.11	3	2.1	<0.2
IDA 150215	Soil	12	48	0.65	360	0.130	3	2.01	0.013	0.18	0.6	0.07	3.4	0.3	<0.05	7	1.2	<0.2



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	Method Analyte	Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
			0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
IDA 150203	Soil		8.4	220.2	28.8	317	2.1	114.5	14.0	657	4.85	44.2	9.5	14.8	4.6	378	2.1	6.4	0.2	446	0.71
IDA 158490	Soil		2.5	33.7	11.8	110	0.4	29.2	11.3	362	2.88	13.1	0.7	3.5	3.6	16	1.3	1.1	0.2	69	0.08
IDA 150263	Soil		8.2	42.4	22.2	438	0.6	57.2	12.3	664	3.76	32.5	2.6	5.4	6.7	58	2.2	10.3	0.3	112	0.42
IDA 150265	Soil		1.7	27.2	11.5	88	0.1	25.4	9.9	257	2.77	20.4	0.8	3.3	4.9	21	0.6	1.6	0.3	73	0.20
IDA 150261	Soil		3.1	35.5	14.0	172	0.5	31.2	9.4	431	2.75	28.2	1.8	4.1	5.9	40	1.0	3.5	0.4	78	0.40
IDA 158491	Soil		2.2	58.5	13.5	147	0.1	42.3	14.4	1165	3.00	8.4	1.2	9.1	4.0	20	1.1	1.1	0.2	34	0.15
IDA 150206	Soil		1.8	51.4	8.5	82	0.7	34.2	9.1	778	2.54	4.4	2.3	11.2	0.8	139	0.7	1.2	0.2	24	1.58
IDA 156702	Soil		3.1	40.1	12.8	104	0.1	20.9	9.1	467	3.07	12.0	0.6	4.1	0.6	10	0.4	1.8	0.2	65	0.07
IDA 155996	Soil		30.4	121.3	38.8	694	2.2	87.6	11.9	749	3.04	26.7	10.1	7.7	1.4	44	7.9	23.0	0.2	221	0.15
IDA 155988	Soil		4.5	39.5	9.7	133	0.1	30.5	8.8	268	2.46	16.0	1.9	3.6	3.1	11	0.6	4.1	0.2	116	0.10
IDA 155989	Soil		4.6	28.0	10.0	103	0.1	24.7	9.1	344	2.71	14.7	1.4	3.6	1.9	11	0.5	2.7	0.2	121	0.10
IDA 158404	Soil		1.6	35.2	11.5	85	0.2	24.9	10.2	401	2.72	10.3	0.9	3.8	2.6	26	0.6	1.3	0.2	56	0.27
IDA 156909	Soil		2.5	57.4	76.8	107	1.8	27.4	10.0	297	2.96	18.4	1.5	4.5	1.5	20	0.5	11.2	0.6	56	0.14
IDA 158402	Soil		1.2	20.3	16.9	67	0.4	16.6	8.7	491	2.12	9.4	0.8	4.8	1.8	22	0.4	2.4	0.2	38	0.22
IDA 158403	Soil		1.2	22.7	10.4	75	0.3	18.7	9.2	327	2.09	7.1	0.8	7.7	2.3	18	0.3	1.3	0.2	41	0.21
IDA 156917	Soil		1.5	38.3	10.9	45	0.2	18.2	5.1	191	3.12	22.9	0.9	5.6	4.5	21	0.3	3.9	0.2	71	0.05
IDA 156918	Soil		1.1	56.9	29.5	129	0.9	60.8	16.1	600	3.18	23.3	2.7	5.5	6.1	62	0.8	18.3	0.3	58	0.22
IDA 156922	Soil		0.8	24.7	15.4	55	<0.1	16.3	10.4	431	2.80	29.9	1.1	1.5	1.8	13	0.2	2.3	0.7	46	0.12
IDA 158405	Soil		1.2	31.9	10.1	74	0.1	24.5	8.6	424	2.54	9.8	1.0	3.6	2.2	22	0.3	1.0	0.2	51	0.21
IDA 156920	Soil		0.8	39.6	32.2	85	0.7	14.8	16.2	748	3.25	67.4	1.5	9.5	7.1	107	0.4	8.0	3.9	54	0.31
IDA 156914	Soil		0.6	31.8	271.4	333	1.2	32.7	19.7	715	4.74	82.3	4.3	3.1	12.3	124	3.3	25.8	0.2	59	0.55
IDA 156913	Soil		3.0	72.7	12.4	70	0.6	19.1	3.2	146	1.58	15.0	1.6	17.3	1.2	17	0.2	3.3	0.2	84	0.15
IDA 158409	Soil		1.7	34.0	10.9	77	<0.1	24.9	11.0	498	2.47	10.2	0.9	3.0	4.7	19	0.5	1.3	0.2	42	0.14
IDA 156919	Soil		1.3	39.8	91.3	118	0.7	23.0	19.5	1302	3.94	93.4	4.1	8.4	12.6	37	1.4	18.4	1.8	63	0.76
IDA 156631	Soil		1.4	9.5	10.3	22	0.2	8.2	3.0	66	1.28	16.9	1.0	4.2	1.8	13	0.2	2.4	0.4	54	0.09
IDA 145525	Soil		1.4	104.9	48.6	89	0.8	30.3	28.0	817	3.19	1518	24.5	23.7	13.4	74	0.8	24.3	12.9	44	0.36
IDA 145735	Soil		0.9	17.7	6.9	46	<0.1	13.1	4.5	120	1.69	10.3	0.6	2.3	0.4	13	0.1	0.7	0.2	34	0.17
IDA 145527	Soil		3.2	130.3	432.6	591	2.4	17.7	24.5	1243	4.57	1796	24.5	32.7	20.8	40	12.8	271.3	31.5	25	0.12
IDA 150408	Soil		9.7	272.3	17.8	402	0.2	81.6	15.5	490	4.50	17.6	1.6	26.3	2.5	32	2.7	3.2	0.3	85	0.11
IDA 145736	Soil		1.5	27.4	9.4	48	0.2	14.6	5.7	170	1.97	10.9	0.9	2.4	0.4	16	0.3	1.0	0.3	43	0.12



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 150203	Soil	28	156	0.49	772	0.089	6	1.86	0.008	0.21	0.1	1.78	13.5	0.3	0.15	7	8.2	<0.2
IDA 158490	Soil	11	30	0.43	253	0.032	1	1.80	0.006	0.06	0.1	0.05	2.7	0.2	<0.05	5	0.7	<0.2
IDA 150263	Soil	21	37	0.65	575	0.049	2	1.57	0.013	0.11	0.2	0.71	6.9	0.5	<0.05	5	2.7	<0.2
IDA 150265	Soil	14	34	0.81	249	0.057	2	2.23	0.012	0.08	0.2	0.03	3.9	0.2	<0.05	6	0.8	<0.2
IDA 150261	Soil	17	35	0.63	465	0.069	2	1.76	0.012	0.11	0.2	0.24	5.2	0.2	<0.05	6	1.6	0.2
IDA 158491	Soil	9	19	0.34	902	0.017	2	1.15	0.006	0.06	0.1	0.06	3.9	0.1	<0.05	3	1.2	<0.2
IDA 150206	Soil	8	12	0.38	501	0.007	3	0.80	0.008	0.05	<0.1	0.42	2.7	0.1	0.12	2	1.5	<0.2
IDA 156702	Soil	11	26	0.61	121	0.017	2	1.57	0.015	0.07	0.1	0.02	1.6	0.1	<0.05	5	0.7	<0.2
IDA 155996	Soil	21	24	0.13	904	0.005	3	0.72	0.003	0.09	0.1	1.35	3.8	1.1	0.05	3	4.8	<0.2
IDA 155988	Soil	13	29	0.47	231	0.026	2	1.69	0.006	0.05	0.2	0.11	3.0	0.3	<0.05	4	1.5	<0.2
IDA 155989	Soil	13	31	0.48	215	0.026	1	1.82	0.009	0.06	0.2	0.06	2.8	0.3	<0.05	5	1.5	<0.2
IDA 158404	Soil	16	28	0.45	350	0.037	2	1.50	0.008	0.06	0.2	0.08	3.7	0.1	<0.05	5	0.7	<0.2
IDA 156909	Soil	12	25	0.57	138	0.029	<1	1.62	0.008	0.09	0.2	0.04	1.8	0.2	<0.05	5	1.4	<0.2
IDA 158402	Soil	16	21	0.35	306	0.027	<1	1.11	0.007	0.06	0.3	0.10	3.0	0.1	0.05	4	<0.5	<0.2
IDA 158403	Soil	14	24	0.42	218	0.027	1	1.45	0.007	0.06	0.4	0.09	2.8	0.1	<0.05	4	<0.5	<0.2
IDA 156917	Soil	14	45	0.52	370	0.028	<1	1.76	0.016	0.18	<0.1	0.02	3.6	0.2	0.29	6	2.3	<0.2
IDA 156918	Soil	18	32	0.80	557	0.102	<1	2.69	0.009	0.20	0.3	0.02	3.2	0.3	<0.05	7	0.7	<0.2
IDA 156922	Soil	14	26	0.50	137	0.038	<1	1.97	0.007	0.07	0.5	0.06	2.7	0.4	<0.05	6	<0.5	0.2
IDA 158405	Soil	16	29	0.48	319	0.038	2	1.66	0.009	0.05	0.1	0.11	4.2	0.1	<0.05	5	0.5	<0.2
IDA 156920	Soil	19	20	0.82	438	0.106	<1	2.70	0.012	0.29	0.5	0.04	3.4	0.5	<0.05	9	<0.5	<0.2
IDA 156914	Soil	31	33	1.04	388	0.106	<1	2.62	0.016	0.40	0.2	0.10	6.7	0.6	<0.05	8	0.9	<0.2
IDA 156913	Soil	9	30	0.55	117	0.060	<1	1.29	0.018	0.07	0.2	0.07	1.6	0.2	<0.05	5	1.5	<0.2
IDA 158409	Soil	17	24	0.38	267	0.036	1	1.40	0.005	0.06	0.1	0.09	3.7	0.1	<0.05	4	0.6	<0.2
IDA 156919	Soil	36	38	0.88	399	0.074	2	2.32	0.010	0.40	0.2	0.09	8.8	0.5	<0.05	7	1.1	<0.2
IDA 156631	Soil	7	15	0.24	67	0.084	2	0.85	0.015	0.06	0.4	0.06	1.3	0.1	0.09	7	0.7	<0.2
IDA 145525	Soil	46	23	0.48	157	0.050	2	1.50	0.010	0.08	5.0	0.12	4.8	0.3	0.06	5	0.9	0.3
IDA 145735	Soil	10	18	0.30	111	0.015	2	1.10	0.005	0.04	0.1	0.05	1.0	<0.1	0.07	4	0.6	<0.2
IDA 145527	Soil	69	13	0.16	228	0.005	3	0.86	0.011	0.10	1.4	1.55	3.8	0.8	0.19	3	2.4	0.2
IDA 150408	Soil	9	27	0.28	339	0.019	2	1.15	0.004	0.07	<0.1	0.17	4.4	0.3	<0.05	4	5.5	<0.2
IDA 145736	Soil	12	22	0.31	218	0.016	2	1.46	0.005	0.05	0.1	0.08	1.1	0.1	0.06	4	1.0	<0.2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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Client:

Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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Part 1

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
IDA 156652	Soil	2.5	21.9	11.4	87	<0.1	20.5	9.6	378	3.55	12.8	0.8	3.1	2.7	8	0.4	1.9	0.2	59	0.07
IDA 145746	Soil	2.5	62.6	38.0	85	0.4	20.1	8.2	334	2.32	367.4	1.9	42.5	2.7	27	0.6	26.8	1.9	57	0.17
IDA 150409	Soil	0.9	25.3	11.5	56	<0.1	19.9	9.1	355	2.68	11.2	0.8	4.7	3.0	13	0.2	0.9	0.2	43	0.09
IDA 150222	Soil	3.6	36.5	14.6	116	0.2	27.6	14.9	1468	2.98	9.2	1.0	1.5	1.8	31	0.7	1.1	0.3	47	0.18
IDA 150219	Soil	5.9	56.6	22.7	72	1.3	31.4	10.9	1993	4.18	21.0	2.1	5.7	1.8	72	0.6	3.4	0.3	99	0.07
IDA 146030	Soil	1.4	8.8	9.1	24	<0.1	5.4	2.0	98	2.14	9.7	0.3	<0.5	1.1	6	0.1	0.6	0.3	75	0.04
IDA 150223	Soil	4.1	57.0	8.3	123	0.2	27.7	7.8	225	2.03	10.2	1.0	12.7	2.8	23	0.6	2.4	0.1	65	0.11
IDA 150415	Soil	14.5	37.5	23.2	48	1.8	24.7	4.3	129	2.38	28.0	1.9	11.9	2.1	26	0.3	5.6	0.2	139	0.07
IDA 150218	Soil	2.3	25.5	9.1	51	<0.1	16.6	7.1	216	2.83	7.9	0.4	0.9	1.9	10	0.1	0.8	0.2	52	0.05
IDA 146037	Soil	11.3	46.1	12.8	196	0.9	42.6	13.7	556	3.76	24.6	1.8	18.3	2.5	72	0.6	2.9	0.2	72	0.46
IDA 156623	Soil	2.0	19.4	16.7	78	0.2	16.0	8.1	451	2.92	60.0	1.1	6.4	0.6	11	0.4	1.9	0.4	66	0.08
IDA 146026	Soil	12.6	50.2	12.5	202	0.4	40.8	8.7	171	2.62	10.1	1.5	4.7	4.2	47	1.2	2.6	0.2	113	1.12
IDA 146020	Soil	8.1	32.4	37.5	136	0.3	17.4	4.7	214	2.22	39.3	1.8	5.9	1.4	23	3.0	0.8	1.0	102	0.10
IDA 145737	Soil	2.2	37.9	18.5	83	0.3	21.9	18.2	674	2.46	54.4	1.3	6.1	1.2	22	0.5	3.8	0.6	45	0.17
IDA 146024	Soil	1.8	13.7	30.7	160	0.1	18.1	9.7	337	3.29	26.5	0.7	1.2	4.1	38	0.7	2.1	0.9	84	0.09
IDA 146016	Soil	0.8	23.4	47.5	79	0.1	16.3	8.2	274	2.15	34.3	1.0	15.4	4.9	75	0.4	0.6	0.9	52	0.32
IDA 145749	Soil	2.9	106.7	65.3	120	0.6	30.5	12.2	520	2.69	513.3	4.2	89.4	5.0	40	1.3	41.3	2.9	69	0.28
IDA 145734	Soil	2.1	34.0	10.6	87	0.2	24.1	6.9	233	2.29	10.2	0.8	4.4	0.7	19	0.5	1.0	0.2	47	0.21
IDA 156622	Soil	1.9	26.2	20.5	62	0.4	16.4	4.9	249	2.80	41.7	1.4	4.0	0.4	14	0.3	7.8	0.7	78	0.08
IDA 156627	Soil	1.2	25.0	36.2	64	0.2	16.8	7.6	336	2.49	74.9	1.2	7.4	0.7	17	0.6	2.5	0.7	49	0.14
IDA 145738	Soil	2.9	46.3	14.8	110	0.3	24.8	8.3	340	2.40	58.3	1.3	7.2	0.9	23	0.5	5.4	0.5	67	0.20
IDA 156632	Soil	1.3	37.5	22.7	77	0.2	21.5	11.8	456	2.47	251.4	5.6	16.7	7.3	33	0.6	9.2	1.9	47	0.28
IDA 156650	Soil	1.5	38.9	8.7	65	0.2	21.4	8.0	326	2.27	11.6	1.2	3.1	3.8	17	0.1	1.4	0.2	44	0.15
IDA 156625	Soil	1.6	35.7	68.7	83	0.7	21.0	11.8	855	2.68	121.1	2.1	4.9	1.9	22	0.5	9.5	2.0	52	0.11
IDA 156624	Soil	1.8	49.5	77.5	73	1.8	15.7	6.5	412	2.53	271.1	1.4	11.6	0.5	14	0.4	7.7	2.5	54	0.12
IDA 145739	Soil	3.1	109.9	64.7	120	0.7	32.0	12.6	529	2.77	527.9	4.2	146.5	5.0	42	1.3	42.7	3.1	70	0.28
IDA 156634	Soil	0.7	9.8	5.5	24	0.8	3.8	1.8	40	0.45	12.8	0.7	<0.5	<0.1	18	1.1	1.4	0.2	9	0.20
IDA 158408	Soil	1.7	36.6	11.2	77	0.1	22.6	9.0	410	2.55	11.9	0.9	3.1	2.3	22	0.3	1.8	0.2	51	0.18
IDA 128470	Soil	0.9	21.8	9.8	65	0.2	17.0	7.9	186	1.56	26.9	1.0	10.0	1.1	21	0.3	2.1	0.4	37	0.19
IDA 156548	Soil	2.0	72.7	29.6	103	0.5	33.6	15.4	870	2.75	387.5	6.2	12.6	4.7	71	1.3	15.1	2.6	55	0.34



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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Client:

Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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Part 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 156652	Soil	11	29	0.35	123	0.039	<1	1.65	0.006	0.06	0.2	0.15	2.5	0.1	0.05	6	1.1	<0.2
IDA 145746	Soil	16	25	0.50	206	0.050	1	1.27	0.009	0.13	0.3	1.25	2.3	0.4	0.05	5	1.1	<0.2
IDA 150409	Soil	13	23	0.53	212	0.033	2	1.71	0.006	0.07	0.1	0.04	3.6	<0.1	<0.05	4	0.8	<0.2
IDA 150222	Soil	10	21	0.31	527	0.012	3	1.59	0.008	0.15	<0.1	0.05	2.9	0.2	0.09	5	0.7	<0.2
IDA 150219	Soil	8	31	0.14	528	0.011	2	1.27	0.008	0.16	0.1	0.58	3.7	0.2	0.38	4	2.7	0.4
IDA 146030	Soil	10	15	0.10	66	0.050	<1	0.87	0.004	0.03	0.3	0.02	1.1	<0.1	<0.05	8	0.6	<0.2
IDA 150223	Soil	9	19	0.27	255	0.017	<1	1.02	0.005	0.07	0.1	0.20	2.9	0.1	<0.05	3	2.1	<0.2
IDA 150415	Soil	7	32	0.21	487	0.023	<1	0.98	0.004	0.12	<0.1	0.21	5.9	0.2	0.20	4	8.3	<0.2
IDA 150218	Soil	9	21	0.20	209	0.013	<1	1.23	0.004	0.06	0.1	0.03	1.9	<0.1	<0.05	5	0.7	<0.2
IDA 146037	Soil	12	26	0.32	1557	0.019	4	1.71	0.007	0.09	0.2	0.65	3.1	0.6	<0.05	5	2.3	0.3
IDA 156623	Soil	10	32	0.45	132	0.032	2	1.75	0.006	0.05	0.1	0.14	1.3	0.2	<0.05	6	0.5	<0.2
IDA 146026	Soil	32	27	0.78	816	0.004	6	2.21	0.006	0.14	<0.1	0.16	5.5	0.3	<0.05	6	2.3	<0.2
IDA 146020	Soil	11	26	0.34	173	0.057	2	1.14	0.012	0.06	0.3	0.03	1.6	0.4	<0.05	6	0.9	0.3
IDA 145737	Soil	17	24	0.52	241	0.023	3	1.43	0.007	0.11	0.2	0.07	1.9	0.2	<0.05	5	<0.5	<0.2
IDA 146024	Soil	15	34	0.82	307	0.081	3	2.28	0.012	0.27	0.1	0.02	2.9	0.4	<0.05	9	0.6	<0.2
IDA 146016	Soil	17	24	0.58	301	0.057	1	1.97	0.008	0.09	0.3	0.03	2.8	0.2	<0.05	6	<0.5	<0.2
IDA 145749	Soil	22	31	0.67	327	0.061	2	1.61	0.013	0.18	0.3	1.47	3.4	0.5	<0.05	5	0.7	<0.2
IDA 145734	Soil	16	24	0.42	250	0.022	<1	1.48	0.008	0.06	0.1	0.08	1.7	0.1	<0.05	5	<0.5	<0.2
IDA 156622	Soil	14	34	0.53	185	0.037	2	1.70	0.006	0.09	0.1	0.06	1.0	0.3	<0.05	7	<0.5	<0.2
IDA 156627	Soil	12	30	0.53	159	0.044	2	2.22	0.012	0.06	0.3	0.12	1.4	0.3	<0.05	6	0.7	<0.2
IDA 145738	Soil	17	29	0.62	259	0.029	3	1.61	0.008	0.16	0.2	0.11	1.6	0.2	<0.05	5	<0.5	<0.2
IDA 156632	Soil	22	24	0.53	182	0.070	3	1.30	0.014	0.09	1.2	1.48	2.9	0.2	<0.05	4	0.6	<0.2
IDA 156650	Soil	17	24	0.50	358	0.041	2	1.40	0.009	0.06	0.2	0.22	3.2	0.1	<0.05	4	<0.5	<0.2
IDA 156625	Soil	13	27	0.47	192	0.065	2	1.73	0.010	0.09	0.5	0.12	1.9	0.5	<0.05	6	<0.5	<0.2
IDA 156624	Soil	12	26	0.35	158	0.029	<1	1.31	0.007	0.07	0.5	0.25	1.1	0.3	<0.05	4	1.2	<0.2
IDA 145739	Soil	23	31	0.66	341	0.063	2	1.62	0.012	0.19	0.3	1.48	3.4	0.5	<0.05	5	1.0	<0.2
IDA 156634	Soil	3	6	0.05	64	0.011	4	0.31	0.016	0.05	0.1	0.16	0.5	<0.1	0.14	<1	<0.5	<0.2
IDA 158408	Soil	17	27	0.45	297	0.039	2	1.40	0.008	0.08	0.1	0.14	3.2	0.1	<0.05	4	<0.5	<0.2
IDA 128470	Soil	14	23	0.46	273	0.030	2	1.41	0.008	0.06	0.3	0.08	2.0	0.2	<0.05	4	<0.5	<0.2
IDA 156548	Soil	24	29	0.53	281	0.050	3	1.75	0.020	0.09	0.6	0.23	3.3	0.3	<0.05	6	0.8	<0.2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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www.acmelab.com

Client:

Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

Project:

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Part 1

CERTIFICATE OF ANALYSIS

WHI10000431.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
IDA 156850	Soil	3.1	41.2	33.7	66	0.5	17.7	6.2	511	3.74	18.3	1.3	2.2	0.3	16	0.4	13.3	1.0	77	0.06
IDA 156619	Soil	2.7	39.3	23.3	77	0.3	22.3	10.0	810	3.52	23.8	1.6	4.3	1.0	23	0.4	11.2	0.4	66	0.05
IDA 128472	Soil	1.7	33.4	10.2	71	0.2	20.5	6.9	201	2.08	84.3	1.4	14.2	2.7	23	0.4	3.7	0.6	54	0.21
IDA 128440	Soil	0.7	22.3	7.2	54	0.1	16.2	6.2	184	1.82	5.8	0.8	4.1	1.3	17	0.2	0.6	0.2	36	0.17
IDA 128475	Soil	1.4	32.4	10.7	72	0.2	22.4	7.2	224	2.25	49.6	1.1	6.9	2.5	29	0.2	2.7	0.4	55	0.27
IDA 158407	Soil	1.8	37.4	11.3	77	0.2	23.6	8.0	369	2.57	11.5	1.0	4.0	3.0	26	0.4	1.7	0.2	50	0.22
IDA 128466	Soil	2.3	98.0	30.2	91	0.5	29.8	7.9	202	1.82	219.5	3.0	82.7	4.8	53	0.5	18.4	3.8	70	0.53
IDA 128444	Soil	0.8	20.2	9.1	53	<0.1	16.5	6.6	224	1.93	8.0	0.6	0.7	2.2	15	0.2	0.6	0.2	36	0.15
IDA 128467	Soil	3.9	151.8	34.7	92	0.6	41.3	13.5	316	2.60	767.8	4.8	72.5	5.0	51	0.5	22.5	4.9	78	0.53
IDA 128471	Soil	1.5	25.6	9.8	71	0.2	19.4	9.8	260	2.07	59.4	1.2	9.9	2.0	19	0.3	2.3	0.4	52	0.17
IDA 156552	Soil	1.1	18.1	10.6	25	0.1	7.0	3.0	97	1.79	29.5	1.8	2.1	1.1	15	0.1	1.1	0.2	34	0.08
IDA 146023	Soil	1.7	11.4	23.3	97	0.2	11.2	5.5	246	2.56	49.2	1.4	0.8	0.6	45	0.5	1.0	3.1	53	0.34
IDA 128446	Soil	1.4	42.8	13.6	80	0.1	26.5	10.8	354	2.59	9.4	0.9	4.5	4.3	21	0.3	1.4	0.2	38	0.17
IDA 156547	Soil	1.8	20.4	9.9	49	<0.1	14.1	4.5	167	2.13	79.5	1.4	5.5	0.8	13	0.1	3.4	0.5	46	0.09
IDA 156852	Soil	2.0	46.6	35.3	73	0.5	25.0	9.3	425	2.70	14.5	0.9	11.5	1.0	17	0.5	4.3	0.6	67	0.10
IDA 156839	Soil	2.0	41.4	12.8	92	0.2	25.5	14.6	993	3.37	10.7	1.0	2.6	0.7	12	0.5	1.8	0.3	59	0.07
IDA 156844	Soil	3.7	66.1	16.5	102	0.4	38.6	18.7	1296	4.33	15.1	1.3	23.6	1.0	17	0.3	5.8	0.4	95	0.09
IDA 128449	Soil	1.6	42.8	11.0	91	<0.1	26.7	8.1	307	2.98	9.9	0.8	1.4	3.1	18	0.4	1.7	0.2	55	0.13
IDA 156553	Soil	1.4	25.5	10.6	37	0.1	12.1	4.1	157	1.62	10.2	1.4	2.8	0.8	15	0.2	1.4	0.4	33	0.10
IDA 156845	Soil	2.2	199.5	12.4	87	0.2	31.2	11.4	762	3.42	10.0	0.9	11.5	2.2	14	0.4	2.9	0.3	83	0.15
IDA 156555	Soil	1.5	23.4	11.7	34	0.1	10.5	3.9	114	1.83	27.8	3.0	1.1	1.7	18	0.1	1.9	0.8	36	0.13
IDA 128445	Soil	1.0	15.4	10.2	54	<0.1	17.9	6.9	239	2.81	11.7	0.6	2.0	3.9	12	0.1	0.6	0.2	51	0.09
IDA 156550	Soil	2.0	16.5	11.0	28	0.2	7.2	3.3	94	1.60	71.7	1.7	1.3	2.0	13	0.2	3.1	0.4	50	0.08
IDA 156847	Soil	2.9	80.7	17.4	122	0.3	38.0	14.8	804	3.82	11.6	0.9	20.6	3.0	21	0.6	1.7	0.4	92	0.12
IDA 156851	Soil	3.0	84.6	56.6	169	0.4	69.2	26.9	1320	5.97	14.7	3.1	3.4	0.8	30	0.8	8.9	0.6	136	0.10
IDA 156549	Soil	1.9	39.7	28.1	67	0.1	21.2	8.0	338	3.54	394.8	2.5	11.3	3.4	51	0.5	12.5	2.1	79	0.14
IDA 156840	Soil	19.3	127.3	136.0	590	3.3	98.5	14.9	945	4.18	35.4	8.8	13.8	1.0	100	4.7	25.9	1.2	276	0.14
IDA 156849	Soil	8.1	112.6	118.0	138	1.7	52.3	14.4	707	5.01	44.9	2.2	9.7	3.6	35	0.5	48.5	0.9	92	0.06
IDA 156700	Soil	1.3	75.2	105.7	89	1.5	23.7	11.5	395	2.49	374.8	9.1	6.5	13.8	27	0.8	47.8	2.7	42	0.25
IDA 156750	Soil	1.3	78.1	100.3	97	1.4	24.1	12.4	420	2.75	404.1	8.8	13.1	13.8	25	0.8	44.6	2.6	47	0.28



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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www.acmelab.com

Client: **Ryan Gold**
402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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CERTIFICATE OF ANALYSIS

WHI10000431.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 156850	Soil	12	35	0.35	360	0.035	2	1.33	0.010	0.15	<0.1	0.08	0.9	0.3	0.13	7	1.3	<0.2
IDA 156619	Soil	16	32	0.40	248	0.043	1	1.70	0.006	0.10	0.2	0.07	1.8	0.2	<0.05	6	1.0	<0.2
IDA 128472	Soil	17	27	0.54	324	0.045	2	1.50	0.009	0.10	0.4	0.45	2.9	0.2	<0.05	4	<0.5	<0.2
IDA 128440	Soil	15	23	0.41	260	0.031	1	1.35	0.007	0.05	0.1	0.06	2.4	<0.1	<0.05	4	<0.5	<0.2
IDA 128475	Soil	17	29	0.51	355	0.047	1	1.60	0.012	0.07	0.3	0.15	3.2	0.2	<0.05	5	<0.5	0.2
IDA 158407	Soil	19	26	0.48	357	0.042	3	1.43	0.008	0.08	<0.1	0.15	3.7	0.2	<0.05	5	<0.5	<0.2
IDA 128466	Soil	19	30	0.69	321	0.062	2	1.50	0.015	0.14	1.0	0.97	3.3	0.4	<0.05	5	1.1	<0.2
IDA 128444	Soil	16	22	0.40	191	0.033	<1	1.26	0.007	0.05	0.1	0.04	2.3	<0.1	<0.05	4	<0.5	<0.2
IDA 128467	Soil	22	33	0.78	340	0.060	2	1.68	0.019	0.17	1.2	0.95	3.4	0.5	<0.05	5	2.3	0.3
IDA 128471	Soil	16	26	0.52	251	0.036	1	1.53	0.008	0.08	0.3	0.10	2.6	0.2	<0.05	5	<0.5	<0.2
IDA 156552	Soil	12	14	0.24	66	0.064	<1	1.41	0.019	0.08	0.3	0.15	1.0	0.2	0.06	6	0.8	<0.2
IDA 146023	Soil	15	21	0.36	158	0.015	<1	1.26	0.007	0.05	0.2	0.05	1.2	0.2	<0.05	6	1.2	0.6
IDA 128446	Soil	19	24	0.45	281	0.034	1	1.06	0.005	0.09	<0.1	0.06	3.9	0.1	<0.05	3	<0.5	<0.2
IDA 156547	Soil	11	24	0.44	85	0.029	1	1.46	0.006	0.04	0.3	0.47	1.3	0.2	<0.05	5	0.5	<0.2
IDA 156852	Soil	13	28	0.40	140	0.041	<1	1.24	0.007	0.08	0.2	0.10	1.5	0.2	<0.05	5	0.5	<0.2
IDA 156839	Soil	15	32	0.50	171	0.032	3	2.04	0.008	0.08	0.1	0.05	1.5	0.2	0.13	6	<0.5	<0.2
IDA 156844	Soil	16	40	0.67	185	0.036	4	1.82	0.010	0.12	0.1	0.04	2.3	0.3	0.14	7	1.7	<0.2
IDA 128449	Soil	16	22	0.39	300	0.031	3	1.41	0.002	0.12	0.1	0.06	3.5	0.2	<0.05	5	<0.5	0.2
IDA 156553	Soil	9	18	0.26	60	0.033	3	1.26	0.023	0.04	0.2	0.09	1.5	0.1	<0.05	4	0.9	<0.2
IDA 156845	Soil	18	37	0.90	209	0.051	2	2.00	0.008	0.13	0.2	0.03	2.7	0.2	<0.05	7	0.7	<0.2
IDA 156555	Soil	16	18	0.29	87	0.068	4	1.44	0.032	0.09	2.3	0.12	1.8	0.2	0.11	5	1.1	<0.2
IDA 128445	Soil	13	27	0.38	175	0.038	2	1.76	0.007	0.05	0.1	0.03	2.8	0.1	<0.05	6	<0.5	<0.2
IDA 156550	Soil	11	16	0.22	77	0.070	3	1.19	0.017	0.06	0.4	0.11	1.4	0.1	<0.05	6	0.9	<0.2
IDA 156847	Soil	16	40	1.08	238	0.085	3	2.35	0.018	0.22	0.2	0.04	3.1	0.3	0.06	8	<0.5	<0.2
IDA 156851	Soil	28	127	0.92	702	0.035	3	2.34	0.025	0.24	<0.1	0.08	3.1	0.8	<0.05	8	1.2	<0.2
IDA 156549	Soil	16	33	0.51	175	0.072	4	2.06	0.011	0.07	0.4	0.14	2.7	0.3	<0.05	8	1.0	<0.2
IDA 156840	Soil	22	57	0.61	306	0.031	4	1.64	0.007	0.15	0.2	0.25	2.5	0.9	<0.05	5	4.8	0.3
IDA 156849	Soil	26	55	0.51	543	0.047	3	2.01	0.021	0.26	0.2	0.06	2.7	0.5	0.15	6	5.0	<0.2
IDA 156700	Soil	36	20	0.45	164	0.060	3	1.45	0.011	0.08	1.7	0.14	2.8	0.2	<0.05	5	0.9	<0.2
IDA 156750	Soil	33	24	0.50	155	0.070	3	1.72	0.013	0.09	1.5	0.16	3.2	0.2	<0.05	5	0.9	<0.2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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CERTIFICATE OF ANALYSIS

WHI10000431.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
IDA 156737	Soil	1.1	35.9	12.0	73	0.3	22.9	10.9	383	2.87	107.0	1.9	13.3	4.4	20	0.4	4.1	0.5	56	0.15
IDA 156846	Soil	2.1	71.2	14.7	110	0.3	35.0	12.5	562	3.48	14.3	1.2	6.6	1.7	27	0.5	1.8	0.3	95	0.16
IDA 156962	Soil	1.9	42.2	51.1	87	0.2	19.1	10.1	531	3.27	283.8	4.0	10.2	3.3	47	0.5	14.3	5.6	56	0.18
IDA 156963	Soil	2.0	39.2	50.1	88	0.2	18.8	9.4	458	3.06	276.1	3.2	8.4	3.0	46	0.5	13.8	5.5	54	0.16
IDA 156735	Soil	1.9	43.1	17.4	105	0.1	33.4	28.2	858	4.04	120.7	3.3	14.7	7.0	20	0.6	12.7	3.5	69	0.13
IDA 156843	Soil	10.6	207.3	45.5	271	1.7	62.7	20.2	1227	3.58	25.9	3.7	17.8	0.9	39	2.1	10.4	0.5	156	0.23
IDA 156701	Soil	1.9	172.9	52.7	118	0.8	26.5	20.4	1107	4.48	546.2	17.6	8.6	25.5	32	1.1	32.4	2.7	59	0.24
IDA 156685	Soil	3.1	60.5	59.2	88	0.7	23.9	9.1	741	3.75	117.0	2.2	12.7	1.2	16	0.7	31.2	0.5	71	0.07
IDA 156688	Soil	1.5	28.6	17.9	97	0.1	22.5	11.3	699	3.49	64.4	1.8	3.9	1.5	25	0.3	3.8	1.2	73	0.10
IDA 156838	Soil	5.1	77.0	16.0	173	0.2	47.6	11.4	862	2.93	10.6	1.4	6.8	1.4	17	0.5	2.1	0.2	117	0.15
IDA 156964	Soil	1.3	41.9	30.8	115	0.4	19.0	11.6	553	3.33	159.5	4.7	11.9	10.0	153	0.5	11.2	2.2	57	0.43
IDA 156687	Soil	2.2	27.8	15.6	76	0.1	19.3	8.5	633	3.23	37.2	1.7	8.6	0.7	12	0.4	5.1	0.8	80	0.08
IDA 156848	Soil	1.9	62.0	13.7	72	0.3	30.9	10.8	615	3.45	12.5	0.7	8.6	1.4	16	0.4	1.6	0.3	68	0.07
IDA 156551	Soil	1.1	24.6	8.5	38	<0.1	13.1	5.4	134	1.96	11.9	1.6	0.9	2.9	27	<0.1	0.8	0.2	54	0.23
IDA 128443	Soil	0.9	26.3	10.8	52	<0.1	19.6	7.8	292	2.25	9.0	1.0	2.0	4.2	19	0.1	0.7	0.2	47	0.20
IDA 128442	Soil	1.0	22.7	10.7	59	0.1	19.9	7.1	177	2.20	8.0	0.8	2.1	1.2	19	0.2	0.6	0.2	46	0.19
IDA 128448	Soil	1.7	31.4	12.7	77	<0.1	26.7	12.2	409	3.17	13.0	0.5	1.4	4.3	17	0.2	1.0	0.2	65	0.13
IDA 156855	Soil	2.2	34.9	15.8	70	0.2	26.0	9.0	402	3.32	24.0	1.2	8.5	1.2	14	0.3	2.4	0.4	88	0.10
IDA 156823	Soil	1.2	42.6	11.3	74	<0.1	23.9	8.6	459	2.93	10.2	0.8	5.2	1.0	12	0.3	1.2	0.2	65	0.08
IDA 156820	Soil	3.6	49.3	20.7	48	0.2	24.5	7.9	222	2.72	13.0	1.6	6.3	1.6	20	0.3	8.2	0.3	98	0.11
IDA 156857	Soil	2.9	100.9	36.7	89	0.4	38.7	13.0	426	2.96	26.3	1.7	6.0	1.2	16	0.3	3.4	0.5	73	0.14
IDA 156815	Soil	3.6	114.0	29.0	309	0.5	80.8	34.4	1239	7.04	15.6	1.4	12.7	3.4	36	0.7	16.7	0.2	89	0.06
IDA 156819	Soil	2.3	93.8	12.8	108	0.5	41.9	17.5	376	3.69	13.9	1.5	21.8	2.9	18	0.4	8.4	0.4	86	0.10
IDA 156882	Soil	1.6	35.6	39.8	81	0.3	21.5	14.2	521	2.87	354.3	3.8	8.2	6.8	36	0.5	11.7	3.6	49	0.15
IDA 156859	Soil	4.6	40.6	14.0	94	0.2	35.7	9.5	712	2.24	104.9	2.1	15.4	1.0	16	0.5	6.7	1.3	55	0.14
IDA 156741	Soil	1.5	100.1	19.7	80	0.1	27.9	15.2	651	3.37	170.6	9.0	9.1	14.6	83	0.4	13.3	4.1	59	0.33
IDA 150176	Soil	9.8	97.8	18.4	199	0.5	50.0	18.0	516	4.40	11.6	3.1	8.6	6.2	47	1.8	3.2	0.2	45	0.19
IDA 156853	Soil	2.6	38.5	22.7	85	0.2	21.6	10.7	432	2.83	13.4	1.0	9.5	1.0	13	0.3	2.5	0.4	74	0.08
IDA 156827	Soil	4.1	40.7	68.8	79	0.8	27.4	9.2	592	3.29	17.0	1.2	6.0	0.6	10	0.3	5.6	0.5	84	0.06
IDA 156816	Soil	1.6	51.5	14.8	104	0.2	37.8	24.7	1771	4.17	8.3	0.6	3.5	3.4	24	0.3	0.9	0.2	50	0.11



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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www.acmelab.com

Client:

Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 156737	Soil	17	27	0.60	176	0.056	2	2.19	0.013	0.08	0.5	0.05	2.4	0.3	<0.05	6	0.5	<0.2
IDA 156846	Soil	16	39	0.81	177	0.058	3	2.17	0.010	0.15	0.2	0.04	2.7	0.2	<0.05	7	1.1	<0.2
IDA 156962	Soil	19	29	0.63	252	0.061	4	2.45	0.012	0.10	0.3	0.09	2.8	0.3	<0.05	8	1.0	<0.2
IDA 156963	Soil	18	25	0.54	239	0.053	3	2.15	0.009	0.09	0.3	0.08	2.7	0.4	<0.05	8	<0.5	<0.2
IDA 156735	Soil	20	35	0.69	197	0.076	2	2.33	0.011	0.16	0.6	0.04	4.8	0.7	<0.05	6	<0.5	<0.2
IDA 156843	Soil	18	45	1.12	317	0.042	3	2.54	0.019	0.12	0.2	0.07	1.6	0.4	<0.05	8	4.8	0.2
IDA 156701	Soil	49	28	0.44	170	0.043	4	1.70	0.010	0.13	0.8	0.50	5.8	1.0	<0.05	5	1.3	<0.2
IDA 156685	Soil	16	35	0.32	416	0.039	1	1.37	0.012	0.09	0.3	0.14	1.9	0.3	0.07	5	1.6	<0.2
IDA 156688	Soil	15	38	0.73	175	0.064	2	2.64	0.009	0.13	0.4	0.04	2.7	0.4	<0.05	8	<0.5	<0.2
IDA 156838	Soil	20	41	1.06	216	0.039	4	1.97	0.007	0.14	<0.1	0.05	2.9	0.2	<0.05	6	1.3	<0.2
IDA 156964	Soil	25	28	0.73	359	0.117	2	2.83	0.025	0.27	0.4	0.08	3.8	0.5	<0.05	8	0.5	<0.2
IDA 156687	Soil	12	36	0.42	176	0.042	1	1.99	0.007	0.06	0.1	0.07	1.9	0.3	<0.05	7	1.1	<0.2
IDA 156848	Soil	17	36	0.51	216	0.043	4	1.86	0.010	0.10	0.2	0.09	2.1	0.2	<0.05	7	1.0	<0.2
IDA 156551	Soil	10	28	0.43	74	0.134	4	1.58	0.063	0.13	0.5	0.10	2.1	0.2	<0.05	5	0.9	<0.2
IDA 128443	Soil	20	29	0.48	229	0.049	2	1.52	0.009	0.06	0.1	0.05	3.6	0.1	<0.05	4	0.6	<0.2
IDA 128442	Soil	15	28	0.43	246	0.036	2	1.70	0.009	0.05	0.1	0.06	2.4	<0.1	<0.05	5	0.5	<0.2
IDA 128448	Soil	11	33	0.50	210	0.043	3	2.19	0.008	0.09	0.1	0.03	3.4	0.1	<0.05	6	0.8	<0.2
IDA 156855	Soil	15	40	0.63	178	0.066	2	2.00	0.008	0.09	0.2	0.05	2.4	0.2	<0.05	7	0.7	<0.2
IDA 156823	Soil	16	34	0.46	146	0.045	3	1.37	0.007	0.08	0.2	0.04	1.5	0.2	<0.05	6	0.6	<0.2
IDA 156820	Soil	16	31	0.59	228	0.065	2	1.51	0.010	0.10	0.3	0.04	1.6	0.3	<0.05	6	1.3	<0.2
IDA 156857	Soil	14	37	0.62	163	0.052	2	2.22	0.008	0.09	0.2	0.07	2.1	0.4	<0.05	6	1.6	<0.2
IDA 156815	Soil	33	46	0.56	430	0.043	1	1.96	0.016	0.18	0.2	0.09	4.2	0.3	0.33	6	1.7	<0.2
IDA 156819	Soil	17	46	0.69	177	0.045	1	1.55	0.009	0.13	0.2	0.04	2.6	0.2	0.08	5	1.5	<0.2
IDA 156882	Soil	15	28	0.41	174	0.035	1	1.99	0.008	0.05	0.8	1.14	2.7	0.3	<0.05	5	<0.5	<0.2
IDA 156859	Soil	11	32	0.50	116	0.033	<1	1.43	0.006	0.07	0.2	0.08	1.9	0.1	<0.05	5	0.7	0.5
IDA 156741	Soil	27	26	0.65	355	0.146	2	2.27	0.018	0.26	0.8	0.04	3.5	0.8	<0.05	6	<0.5	<0.2
IDA 150176	Soil	15	22	0.36	661	0.009	2	1.06	0.004	0.17	<0.1	0.17	5.1	0.3	0.05	4	2.1	<0.2
IDA 156853	Soil	12	34	0.41	120	0.040	<1	1.61	0.005	0.06	0.2	0.04	1.5	0.2	<0.05	6	<0.5	<0.2
IDA 156827	Soil	12	43	0.23	140	0.048	2	1.20	0.006	0.09	0.1	0.10	1.5	0.3	<0.05	7	0.7	<0.2
IDA 156816	Soil	14	33	0.78	187	0.052	1	1.72	0.011	0.10	0.2	0.04	2.8	0.2	0.12	5	0.8	<0.2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
IDA 150171	Soil	4.3	130.4	25.3	171	0.2	59.7	19.3	850	4.78	20.9	1.1	24.5	4.0	14	0.6	3.6	0.4	68	0.14
IDA 156689	Soil	1.8	42.3	18.4	103	0.1	34.1	29.4	792	3.78	105.1	3.4	11.7	7.5	16	0.5	12.5	3.3	67	0.12
IDA 156612	Soil	3.1	93.1	60.2	112	0.6	37.2	10.9	382	3.02	14.3	1.3	5.1	1.4	17	0.6	21.3	2.3	74	0.14
IDA 156554	Soil	2.3	41.7	30.2	124	0.2	23.8	14.5	731	3.14	189.2	7.0	7.1	9.9	25	0.7	14.7	1.1	54	0.21
IDA 156854	Soil	2.4	35.7	20.9	107	0.3	24.5	11.2	482	3.34	13.9	1.4	5.2	0.8	11	0.5	2.5	0.5	100	0.09
IDA 156686	Soil	4.9	95.2	57.4	88	0.6	26.7	9.6	276	4.33	172.5	2.7	47.3	5.7	14	0.6	43.3	1.3	79	0.09
IDA 156618	Soil	1.9	24.5	14.4	59	0.2	18.1	6.6	344	2.88	8.7	0.9	2.7	0.6	9	0.3	2.7	0.4	75	0.08
IDA 156614	Soil	2.7	91.1	249.7	68	13.9	16.5	5.1	232	3.41	31.4	1.2	10.0	0.5	9	0.3	130.5	7.9	61	0.06
IDA 150175	Soil	8.5	91.9	15.6	209	0.4	48.4	20.5	246	3.79	11.1	2.2	7.3	6.1	41	1.3	3.1	0.2	45	0.13
IDA 156699	Soil	1.4	94.8	664.0	108	2.5	23.8	11.3	361	2.53	214.9	5.8	9.1	15.5	19	1.0	228.3	4.7	40	0.19
IDA 156613	Soil	3.8	117.7	123.7	114	0.8	38.1	23.7	970	3.37	25.2	2.0	11.7	1.0	17	0.8	36.2	0.8	69	0.14
IDA 128447	Soil	1.9	48.4	16.8	84	0.1	31.0	12.9	398	2.71	9.7	1.1	5.0	5.2	20	0.3	2.0	0.2	50	0.18
IDA 150168	Soil	8.3	78.9	43.3	268	1.1	53.4	14.7	525	2.92	92.4	7.7	16.6	3.3	42	2.5	11.5	1.6	110	0.33
IDA 128441	Soil	0.9	24.5	10.3	54	0.1	18.9	7.6	174	2.05	7.7	0.9	2.7	1.1	18	0.2	0.6	0.2	45	0.19
IDA 156615	Soil	6.6	95.7	63.3	89	0.8	25.8	9.0	300	3.88	19.3	2.7	16.8	1.6	32	0.4	25.6	0.5	90	0.24
IDA 128439	Soil	0.9	25.8	8.9	59	0.1	21.6	7.9	200	2.00	6.0	0.9	6.9	1.8	16	0.2	0.6	0.1	45	0.18
IDA 156910	Soil	1.2	25.0	24.2	50	0.3	19.2	7.2	210	2.07	9.5	0.9	3.4	1.7	10	0.2	2.3	0.2	49	0.11
IDA 128464	Soil	3.7	53.2	22.3	96	2.2	23.8	5.8	161	2.70	17.2	0.6	4.5	0.8	14	0.5	6.5	0.2	69	0.09
IDA 128469	Soil	3.8	163.2	40.8	92	0.6	45.7	14.8	246	2.42	502.8	4.9	66.9	5.7	39	0.6	23.1	4.0	86	0.42
IDA 156911	Soil	1.1	20.6	24.9	53	0.8	17.5	6.2	194	2.07	10.4	0.8	2.9	1.2	9	0.3	2.4	0.3	53	0.09
IDA 156912	Soil	3.6	95.9	94.5	171	0.8	39.6	12.9	477	3.02	21.1	2.4	11.3	2.8	17	1.0	18.0	0.7	103	0.18
IDA 156916	Soil	1.7	68.1	18.3	94	0.3	37.6	24.4	801	4.16	36.0	5.5	55.6	11.2	34	0.5	6.3	0.2	87	0.42
IDA 128465	Soil	5.2	67.9	8.2	162	0.7	32.2	7.8	196	1.85	8.7	1.2	11.8	3.3	40	0.9	2.5	0.1	60	0.67
IDA 156915	Soil	0.9	43.5	235.6	225	5.1	36.0	23.8	867	4.34	138.4	5.9	8.6	16.9	117	2.2	31.9	0.9	64	0.47
IDA 158411	Soil	1.0	28.9	10.6	67	0.2	23.7	8.5	204	2.16	6.1	1.0	15.5	2.3	20	0.2	0.7	0.2	54	0.21
IDA 158406	Soil	1.1	25.3	11.3	52	<0.1	23.5	8.8	266	2.22	8.1	0.9	1.7	2.9	16	0.2	0.8	0.2	52	0.15
IDA 158410	Soil	1.1	18.1	9.3	53	0.2	19.2	5.8	152	2.22	8.5	0.7	11.4	0.9	16	0.2	0.5	0.2	48	0.16
IDA 156817	Soil	3.6	115.0	25.0	220	0.5	47.7	6.7	225	1.81	5.7	1.9	10.2	2.6	20	0.6	4.1	0.1	155	0.17
IDA 156825	Soil	2.3	63.7	21.7	119	0.3	40.8	15.4	581	2.82	12.8	1.2	7.8	1.2	14	0.7	3.4	0.3	73	0.10
IDA 156824	Soil	3.4	92.6	19.6	146	0.3	37.3	9.9	438	3.20	11.1	1.4	19.2	1.0	32	0.7	4.5	0.3	91	0.12



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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Client: **Ryan Gold**
402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 150171	Soil	13	35	0.34	254	0.033	2	1.58	0.005	0.07	0.2	0.06	4.0	0.1	<0.05	5	0.8	<0.2
IDA 156689	Soil	19	36	0.70	170	0.075	1	2.34	0.008	0.14	0.6	0.03	4.7	0.7	<0.05	6	<0.5	<0.2
IDA 156612	Soil	15	34	0.50	170	0.048	1	1.48	0.006	0.07	0.3	0.04	1.8	0.2	0.06	5	0.8	<0.2
IDA 156554	Soil	24	29	0.48	158	0.059	3	1.84	0.013	0.08	0.4	0.24	5.0	0.3	<0.05	5	0.5	<0.2
IDA 156854	Soil	13	51	0.63	167	0.060	2	2.35	0.006	0.11	0.1	0.07	2.1	0.3	<0.05	8	0.6	<0.2
IDA 156686	Soil	19	42	0.38	284	0.052	<1	1.20	0.006	0.10	0.2	0.36	4.0	0.6	0.07	5	2.4	<0.2
IDA 156618	Soil	13	34	0.33	108	0.041	<1	1.74	0.005	0.06	0.1	0.07	1.6	0.2	<0.05	7	<0.5	<0.2
IDA 156614	Soil	11	27	0.21	62	0.032	1	1.20	0.007	0.04	0.1	0.16	1.4	0.2	0.05	6	1.3	0.4
IDA 150175	Soil	12	22	0.35	584	0.012	2	1.15	0.004	0.21	<0.1	0.13	4.4	0.3	<0.05	4	2.3	<0.2
IDA 156699	Soil	24	24	0.38	93	0.047	2	1.51	0.006	0.06	0.4	0.20	3.0	0.2	<0.05	4	<0.5	<0.2
IDA 156613	Soil	19	37	0.61	179	0.048	3	1.59	0.014	0.11	0.2	0.06	2.2	0.3	0.07	6	1.3	<0.2
IDA 128447	Soil	19	32	0.45	266	0.048	3	1.28	0.004	0.12	<0.1	0.06	4.3	0.1	<0.05	4	<0.5	<0.2
IDA 150168	Soil	18	31	0.40	524	0.024	3	1.21	0.006	0.11	0.2	0.51	3.6	0.5	<0.05	4	1.7	<0.2
IDA 128441	Soil	16	28	0.36	266	0.028	1	1.36	0.007	0.05	0.1	0.06	2.5	0.1	<0.05	4	<0.5	<0.2
IDA 156615	Soil	16	33	0.53	166	0.043	1	1.51	0.018	0.10	0.2	0.06	2.0	0.2	0.14	5	1.9	<0.2
IDA 128439	Soil	16	28	0.40	265	0.037	1	1.51	0.007	0.05	0.2	0.05	2.7	0.1	<0.05	4	<0.5	<0.2
IDA 156910	Soil	12	27	0.36	92	0.047	2	1.39	0.006	0.04	0.1	0.04	1.9	0.1	<0.05	4	<0.5	<0.2
IDA 128464	Soil	14	27	0.19	193	0.018	2	1.20	0.005	0.07	0.1	0.07	1.7	0.2	<0.05	5	1.0	<0.2
IDA 128469	Soil	21	39	0.70	306	0.065	2	1.71	0.011	0.11	0.5	0.66	3.9	0.5	<0.05	5	1.1	0.3
IDA 156911	Soil	13	29	0.34	104	0.041	1	1.47	0.005	0.04	0.1	0.04	1.9	0.1	<0.05	5	<0.5	<0.2
IDA 156912	Soil	16	43	0.71	145	0.074	2	2.15	0.008	0.09	0.2	0.05	2.8	0.2	<0.05	7	0.6	<0.2
IDA 156916	Soil	28	71	0.88	278	0.095	<1	2.08	0.018	0.28	0.1	0.36	8.7	0.5	<0.05	7	0.8	<0.2
IDA 128465	Soil	16	26	0.51	211	0.022	6	0.96	0.009	0.15	0.1	0.15	3.2	0.2	<0.05	3	1.2	<0.2
IDA 156915	Soil	36	38	1.00	309	0.130	<1	3.07	0.012	0.37	0.2	0.15	6.5	0.6	<0.05	9	<0.5	<0.2
IDA 158411	Soil	16	33	0.40	376	0.035	1	1.64	0.007	0.07	0.2	0.10	3.3	0.1	<0.05	5	<0.5	<0.2
IDA 158406	Soil	15	30	0.37	201	0.043	1	1.52	0.006	0.05	0.1	0.05	2.6	<0.1	<0.05	5	<0.5	<0.2
IDA 158410	Soil	12	26	0.32	250	0.020	1	1.33	0.005	0.05	0.2	0.08	2.0	<0.1	<0.05	4	<0.5	<0.2
IDA 156817	Soil	12	51	1.81	235	0.088	2	2.05	0.005	0.16	0.2	0.02	3.2	0.4	<0.05	7	1.2	<0.2
IDA 156825	Soil	12	37	0.56	183	0.048	2	1.90	0.008	0.10	0.2	0.06	1.7	0.2	0.09	5	0.8	0.3
IDA 156824	Soil	13	35	0.83	204	0.055	2	1.99	0.011	0.18	0.2	0.03	1.9	0.2	0.08	6	0.9	<0.2



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Client:

Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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WHI10000431.1

	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
IDA 156877	Soil				1.4	68.2	77.6	77	0.6	23.7	11.6	332	2.47	357.1	4.4	5.0	9.3	16	0.9	44.4	1.6	43	0.14	0.062
IDA 156890	Soil				1.5	27.3	33.0	53	0.3	16.7	7.6	335	2.43	169.1	1.0	9.8	1.1	11	0.2	4.8	1.3	49	0.08	0.045
IDA 158450	Soil				2.0	47.0	8.3	86	0.5	23.1	6.9	182	1.50	5.0	1.2	7.7	1.4	44	0.8	1.0	0.2	39	0.78	0.090
IDA 156531	Soil				13.6	90.0	658.9	591	5.0	59.3	10.3	1251	4.58	50.4	6.1	13.9	0.9	14	4.6	15.1	2.0	257	0.09	0.090
IDA 156534	Soil				4.3	134.7	12.9	122	0.2	57.7	17.2	598	3.88	17.2	1.3	21.6	2.1	24	0.9	6.7	0.6	126	0.15	0.107
IDA 155986	Soil				2.1	45.7	10.8	80	0.1	24.7	7.2	242	2.18	10.5	0.7	7.0	0.6	11	0.4	2.5	0.2	48	0.10	0.073
IDA 158452	Soil				1.1	44.9	6.6	28	1.2	15.5	2.9	89	1.63	5.2	1.7	7.2	0.3	47	0.3	0.6	0.2	20	0.53	0.114
IDA 156539	Soil				2.1	67.6	19.4	97	0.4	38.0	12.2	531	2.63	13.7	1.3	6.7	0.8	13	0.6	3.8	0.3	64	0.10	0.073
IDA 158448	Soil				1.9	50.9	11.6	91	0.2	32.3	8.2	328	2.34	141.3	1.8	11.5	3.8	28	0.5	6.5	0.9	64	0.32	0.084
IDA 156536	Soil				2.7	111.2	16.7	138	0.2	50.9	11.9	357	2.51	14.5	1.1	15.9	2.2	99	0.5	3.8	0.4	68	0.23	0.080
IDA 158439	Soil				2.9	42.5	9.9	66	0.3	33.0	10.0	401	2.30	15.3	1.1	5.4	3.5	42	0.3	2.3	0.2	71	0.17	0.061
IDA 156529	Soil				1.9	64.8	12.6	119	0.3	48.5	25.4	824	4.30	12.5	0.9	19.1	3.4	29	0.5	2.4	0.2	61	0.11	0.100
IDA 156532	Soil				8.4	142.0	208.4	243	0.8	99.1	36.4	1105	4.24	19.7	3.4	13.2	2.5	32	2.2	46.1	0.5	110	0.26	0.235
IDA 156533	Soil				2.1	25.4	7.2	33	0.2	9.7	2.4	107	1.32	4.1	0.6	7.0	0.1	11	0.1	1.0	0.2	53	0.08	0.086
IDA 158438	Soil				3.7	47.7	11.6	73	0.3	39.0	10.7	499	2.41	15.5	1.2	7.5	3.7	48	0.4	2.3	0.2	74	0.19	0.061
IDA 158449	Soil				1.6	53.5	9.6	96	0.6	26.4	8.1	246	1.71	5.4	1.7	9.9	2.6	40	0.7	0.9	0.2	47	0.55	0.095
IDA 158447	Soil				0.9	29.0	8.0	68	0.1	24.9	7.9	247	2.16	11.0	0.8	2.0	3.5	24	0.3	1.0	0.2	45	0.30	0.072
IDA 156535	Soil				2.6	43.1	12.5	78	<0.1	22.3	8.0	352	3.05	11.0	0.8	7.6	0.7	13	0.3	1.4	0.2	89	0.10	0.066
IDA 150416	Soil				1.6	26.2	10.7	69	0.1	25.1	8.8	294	2.41	11.1	0.8	5.4	3.8	16	0.3	1.1	0.2	52	0.15	0.059
IDA 150413	Soil				3.3	50.5	28.0	64	1.0	17.1	4.0	129	3.01	23.1	1.0	10.3	1.4	81	0.2	1.7	0.4	71	0.04	0.066
IDA 146032	Soil				8.0	43.6	29.2	80	1.0	22.7	6.8	425	2.74	17.1	0.8	1.2	1.8	120	0.4	1.9	0.4	62	0.03	0.091
IDA 150109	Soil				3.0	40.2	14.6	68	0.3	22.0	8.8	281	2.63	11.9	1.0	7.2	1.7	16	0.3	2.9	0.3	52	0.07	0.073
IDA 146212	Soil				1.1	31.5	8.2	77	0.1	25.5	9.2	318	2.25	13.9	0.7	3.4	3.8	27	0.4	1.2	0.2	46	0.33	0.073
IDA 145758	Soil				3.2	30.6	9.3	101	0.1	22.3	7.4	229	1.94	45.1	1.2	4.3	1.9	20	0.3	6.6	0.2	58	0.23	0.066
IDA 150113	Soil				2.4	78.2	28.1	127	0.4	35.3	11.1	409	3.31	45.7	0.8	8.8	1.0	20	0.6	18.0	0.3	65	0.11	0.070
IDA 146211	Soil				1.1	24.8	8.2	66	0.1	21.7	6.8	193	1.94	11.3	0.6	2.2	1.7	21	0.4	1.0	0.2	43	0.25	0.063
IDA 146213	Soil				1.3	36.6	10.2	65	0.1	21.0	7.6	225	2.07	66.6	1.2	7.4	2.2	20	0.3	2.8	0.5	44	0.25	0.074
IDA 145766	Soil				1.9	14.3	8.9	70	<0.1	12.3	3.4	111	1.67	12.6	1.3	5.7	0.4	10	0.5	2.5	0.2	66	0.07	0.048
IDA 150111	Soil				7.6	144.8	17.4	135	0.8	52.9	12.2	412	2.82	931.2	16.3	32.3	2.2	43	0.9	12.4	4.1	91	0.35	0.123
IDA 150152	Soil				2.4	65.4	113.3	150	4.5	33.2	8.3	557	2.85	94.3	1.7	6.5	0.8	83	2.1	35.2	0.3	87	0.26	0.124



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Phone (604) 253-3158 Fax (604) 253-1716

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Client:

Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 156877	Soil	23	23	0.40	114	0.044	2	1.68	0.008	0.04	1.1	0.05	2.4	0.1	<0.05	4	<0.5	<0.2
IDA 156890	Soil	10	25	0.39	106	0.034	<1	1.37	0.008	0.04	0.4	0.05	1.5	0.2	<0.05	4	<0.5	<0.2
IDA 158450	Soil	13	19	0.47	664	0.011	4	1.01	0.007	0.10	<0.1	0.21	2.4	0.1	0.07	3	0.6	<0.2
IDA 156531	Soil	16	41	0.49	121	0.037	2	1.87	0.008	0.06	0.2	0.20	1.9	0.4	0.07	6	2.7	<0.2
IDA 156534	Soil	22	47	0.89	171	0.067	<1	1.81	0.013	0.21	0.1	0.04	2.9	0.4	0.15	8	1.9	0.3
IDA 155986	Soil	14	24	0.41	160	0.023	2	1.23	0.006	0.06	0.1	0.03	1.4	0.1	<0.05	4	<0.5	<0.2
IDA 158452	Soil	33	17	0.16	873	0.014	1	1.57	0.009	0.04	<0.1	0.32	2.0	0.1	0.07	3	0.7	<0.2
IDA 156539	Soil	11	33	0.58	203	0.039	2	1.75	0.008	0.08	0.1	0.04	1.6	0.2	<0.05	5	<0.5	0.3
IDA 158448	Soil	16	31	0.52	330	0.065	1	1.33	0.011	0.09	0.5	0.09	3.3	0.2	<0.05	4	<0.5	<0.2
IDA 156536	Soil	12	29	0.60	298	0.050	2	1.84	0.012	0.11	0.2	0.03	1.7	0.1	<0.05	5	1.4	0.2
IDA 158439	Soil	12	27	0.41	383	0.034	2	1.23	0.008	0.06	0.1	0.16	3.0	0.1	<0.05	3	0.5	<0.2
IDA 156529	Soil	16	35	0.48	213	0.061	1	1.54	0.020	0.11	0.2	0.04	2.5	0.2	0.20	4	1.0	<0.2
IDA 156532	Soil	29	34	1.09	304	0.034	2	1.94	0.006	0.22	0.2	0.03	2.1	0.4	0.08	6	2.1	0.3
IDA 156533	Soil	6	23	0.33	98	0.032	3	0.89	0.016	0.07	<0.1	0.06	0.7	0.1	0.09	5	0.6	<0.2
IDA 158438	Soil	13	30	0.42	428	0.034	2	1.27	0.009	0.07	0.1	0.20	3.1	0.1	<0.05	4	0.9	<0.2
IDA 158449	Soil	17	22	0.59	643	0.013	4	1.30	0.007	0.14	<0.1	0.29	3.5	0.2	<0.05	3	0.8	<0.2
IDA 158447	Soil	14	26	0.44	323	0.054	2	1.12	0.018	0.05	0.2	0.03	3.0	<0.1	<0.05	3	<0.5	<0.2
IDA 156535	Soil	10	40	0.64	130	0.062	3	2.11	0.009	0.07	0.1	0.04	1.8	0.2	0.07	7	1.0	0.2
IDA 150416	Soil	13	28	0.42	186	0.049	1	1.38	0.007	0.06	0.2	0.04	2.8	0.1	<0.05	4	0.8	<0.2
IDA 150413	Soil	7	41	0.16	418	0.016	2	0.94	0.011	0.29	<0.1	0.18	3.5	0.5	0.62	4	6.2	<0.2
IDA 146032	Soil	7	23	0.11	395	0.008	2	1.23	0.006	0.12	<0.1	0.09	1.8	0.3	0.24	3	1.4	<0.2
IDA 150109	Soil	12	26	0.26	171	0.038	2	1.15	0.007	0.07	0.1	0.04	1.6	0.1	0.07	5	<0.5	<0.2
IDA 146212	Soil	14	27	0.48	320	0.053	<1	1.22	0.013	0.05	0.2	0.04	3.0	<0.1	<0.05	3	<0.5	<0.2
IDA 145758	Soil	13	27	0.58	189	0.052	1	1.42	0.008	0.08	0.1	0.07	2.0	0.2	<0.05	5	0.9	<0.2
IDA 150113	Soil	14	30	0.26	176	0.029	2	0.96	0.008	0.08	0.2	0.04	1.9	0.2	0.06	4	0.9	<0.2
IDA 146211	Soil	13	25	0.42	261	0.044	<1	1.11	0.010	0.05	0.2	0.04	2.2	<0.1	<0.05	4	<0.5	<0.2
IDA 146213	Soil	13	25	0.42	247	0.040	1	1.19	0.009	0.06	0.2	0.09	2.4	0.1	<0.05	4	0.6	<0.2
IDA 145766	Soil	9	25	0.35	109	0.031	1	1.23	0.007	0.05	0.1	0.06	1.0	0.2	<0.05	5	<0.5	<0.2
IDA 150111	Soil	26	33	0.64	302	0.033	2	1.81	0.011	0.11	0.5	0.37	2.9	0.4	0.07	5	1.2	<0.2
IDA 150152	Soil	15	48	0.31	326	0.017	1	1.15	0.008	0.08	0.1	0.20	2.1	0.3	0.12	4	<0.5	0.4



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Phone (604) 253-3158 Fax (604) 253-1716

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Client:

Ryan Gold

402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
IDA 150153	Soil	2.3	39.0	26.9	94	0.3	30.4	10.7	475	3.46	30.5	0.6	3.5	3.4	11	0.3	5.9	0.3	62	0.07	0.052
IDA 150114	Soil	2.4	146.7	58.1	189	1.1	63.3	19.2	642	4.15	54.0	1.2	12.9	4.0	21	1.6	34.1	0.3	62	0.09	0.059
IDA 158453	Soil	1.3	40.7	10.1	74	0.3	23.5	8.5	177	1.92	5.3	1.0	8.9	3.2	24	0.3	0.8	0.2	40	0.32	0.065
IDA 146210	Soil	4.5	45.3	28.9	165	0.9	31.4	10.1	484	2.52	89.2	3.5	17.3	2.1	46	1.2	8.3	1.3	65	0.56	0.105
IDA 158437	Soil	7.4	82.3	10.7	190	0.9	35.1	6.7	350	2.08	10.1	0.8	9.4	2.1	64	2.4	2.1	0.2	69	1.55	0.077
IDA 156537	Soil	3.1	60.9	15.4	91	0.4	24.7	9.4	575	2.66	11.7	1.2	13.1	0.5	32	0.5	2.6	0.3	78	0.18	0.090
IDA 146028	Soil	2.7	30.8	10.9	80	0.2	13.6	4.8	146	2.18	6.3	0.4	4.7	2.0	9	0.4	0.7	0.2	63	0.08	0.036
IDA 146027	Soil	9.9	82.4	11.3	257	0.3	41.6	8.6	252	2.75	13.9	0.7	2.7	1.2	20	1.7	3.3	0.2	68	0.19	0.156
IDA 156530	Soil	1.7	27.6	9.5	79	0.2	19.4	7.5	612	2.73	8.9	0.7	3.1	0.4	9	0.5	1.2	0.2	53	0.05	0.075
IDA 155985	Soil	1.8	31.6	9.8	72	0.2	20.5	7.0	232	2.38	14.0	0.8	5.0	0.5	13	0.3	2.3	0.2	48	0.10	0.077
IDA 150418	Soil	65.9	419.6	19.7	1303	4.6	157.8	5.7	165	2.42	122.7	20.7	3.0	4.1	87	47.9	64.2	0.2	1589	0.65	0.308
IDA 156633	Soil	1.5	19.8	9.1	40	<0.1	11.1	3.9	103	1.84	13.4	0.9	1.6	1.0	14	0.2	1.6	0.4	25	0.09	0.061
IDA 155987	Soil	2.0	33.1	9.8	85	<0.1	20.7	6.5	230	2.34	12.0	1.0	5.9	0.8	14	0.6	2.6	0.2	56	0.11	0.069
IDA 156538	Soil	2.9	46.3	16.5	111	0.4	24.5	8.0	730	2.45	11.7	1.1	7.2	0.2	24	0.9	2.5	0.2	78	0.19	0.145
IDA 150412	Soil	10.4	409.4	26.4	715	0.6	119.3	20.4	770	5.78	16.7	3.4	59.1	2.3	29	2.6	3.1	0.4	63	0.04	0.130
IDA 156629	Soil	1.3	22.8	8.4	49	0.3	10.0	3.3	162	1.56	20.7	1.2	1.9	0.2	16	0.5	1.4	0.3	37	0.11	0.125
IDA 156528	Soil	6.0	121.8	41.3	288	0.3	69.6	46.1	1679	8.63	19.0	1.6	8.2	3.7	63	0.7	9.4	0.4	87	0.06	0.164
IDA 146018	Soil	1.8	39.1	31.2	105	0.6	17.8	9.4	400	2.06	48.0	1.8	32.0	1.9	146	1.3	0.9	0.9	61	0.58	0.100
IDA 156620	Soil	3.9	51.6	46.5	117	1.4	40.5	12.7	847	3.51	57.4	1.7	9.2	0.4	17	0.9	27.1	0.5	81	0.08	0.152
IDA 150422	Soil	8.9	36.7	28.1	24	3.6	31.9	0.6	55	2.12	10.8	5.4	12.1	1.0	95	0.4	5.1	0.2	214	0.17	0.136



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Phone (604) 253-3158 Fax (604) 253-1716

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402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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CERTIFICATE OF ANALYSIS

WHI10000431.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
IDA 150153	Soil	11	36	0.32	133	0.042	<1	1.87	0.006	0.05	0.1	0.04	2.3	0.1	<0.05	5	1.0	<0.2
IDA 150114	Soil	16	30	0.32	201	0.026	2	1.13	0.005	0.07	0.2	0.06	3.3	0.3	0.05	4	0.7	<0.2
IDA 158453	Soil	15	25	0.44	312	0.029	2	1.24	0.009	0.06	0.2	0.10	3.0	0.1	<0.05	3	<0.5	<0.2
IDA 146210	Soil	15	24	0.44	589	0.015	3	1.20	0.011	0.07	0.2	0.37	3.7	0.3	0.08	4	1.8	0.2
IDA 158437	Soil	19	20	0.53	769	0.004	6	1.13	0.010	0.08	<0.1	0.29	4.6	0.3	<0.05	4	2.4	<0.2
IDA 156537	Soil	9	32	0.50	207	0.035	2	1.94	0.010	0.10	0.2	0.06	1.2	0.1	0.13	6	1.3	<0.2
IDA 146028	Soil	14	19	0.25	266	0.022	2	0.97	0.006	0.08	0.1	0.04	2.0	0.2	<0.05	6	<0.5	<0.2
IDA 146027	Soil	12	19	0.19	240	0.013	1	1.11	0.006	0.08	0.1	0.06	2.4	0.3	<0.05	5	2.6	<0.2
IDA 156530	Soil	11	26	0.34	127	0.032	<1	1.36	0.008	0.06	0.2	0.05	1.1	0.1	<0.05	6	0.7	<0.2
IDA 155985	Soil	12	25	0.51	178	0.020	1	1.35	0.012	0.07	0.2	0.07	1.5	0.2	<0.05	5	<0.5	<0.2
IDA 150418	Soil	33	88	0.19	737	0.021	17	0.84	0.006	0.17	0.3	2.51	5.4	2.0	<0.05	6	22.4	<0.2
IDA 156633	Soil	7	19	0.23	62	0.058	<1	1.17	0.024	0.06	0.3	0.07	1.7	0.2	0.08	5	1.0	<0.2
IDA 155987	Soil	15	24	0.38	276	0.023	1	1.47	0.007	0.07	0.2	0.09	1.7	0.2	<0.05	5	0.8	<0.2
IDA 156538	Soil	8	33	0.48	298	0.024	1	1.65	0.014	0.10	<0.1	0.06	0.7	0.2	0.14	6	0.9	<0.2
IDA 150412	Soil	8	38	0.16	306	0.008	3	1.92	0.005	0.10	<0.1	0.26	4.5	0.3	<0.05	4	3.7	0.3
IDA 156629	Soil	6	20	0.17	113	0.034	2	1.13	0.021	0.07	0.2	0.10	1.0	0.2	0.12	4	0.8	<0.2
IDA 156528	Soil	39	50	0.81	436	0.072	3	2.23	0.028	0.33	0.1	0.05	5.8	0.3	0.26	9	6.3	<0.2
IDA 146018	Soil	15	28	0.61	240	0.044	2	1.98	0.025	0.11	0.3	0.11	2.1	0.4	0.06	5	0.8	<0.2
IDA 156620	Soil	14	32	0.35	184	0.024	<1	1.68	0.006	0.09	0.2	0.07	1.1	0.3	0.07	6	1.4	<0.2
IDA 150422	Soil	8	42	0.03	267	0.005	5	0.32	0.009	0.29	0.2	1.34	1.3	0.3	0.65	2	3.7	0.3



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Client: **Ryan Gold**
402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																				
IDA 112500	Soil	2.3	186.9	45.1	275	0.5	200.9	34.8	3338	12.07	10.5	1.9	33.3	2.5	15	2.8	3.7	0.4	57	0.06
REP IDA 112500	QC	2.1	187.5	45.1	273	0.5	195.4	34.1	3239	11.76	10.4	2.0	30.3	2.5	15	2.8	3.5	0.4	54	0.06
IDA 150169	Soil	7.2	69.4	43.0	277	1.2	48.2	13.1	603	2.86	103.1	8.2	30.7	3.0	45	2.9	11.8	1.8	93	0.36
REP IDA 150169	QC	7.0	70.5	41.9	274	1.2	47.9	12.5	589	2.76	103.8	7.9	18.1	3.0	44	3.0	11.8	1.9	92	0.36
IDA 155958	Soil	2.3	38.7	11.2	63	0.2	23.3	6.9	255	3.13	16.2	1.2	27.6	2.5	16	0.4	6.4	0.2	62	0.10
REP IDA 155958	QC	2.4	39.1	11.8	67	0.2	23.7	7.2	266	3.17	16.8	1.2	18.2	2.5	16	0.4	6.6	0.3	64	0.11
IDA 145759	Soil	2.5	30.7	9.5	98	0.1	23.3	6.9	216	2.01	40.3	1.3	3.5	1.9	19	0.4	6.1	0.3	60	0.24
REP IDA 145759	QC	2.3	30.8	9.1	96	0.1	23.1	6.7	218	1.98	39.4	1.2	3.1	2.0	18	0.4	6.1	0.3	58	0.22
IDA 150268	Soil	4.5	48.9	15.8	272	0.9	46.1	10.2	336	2.60	19.8	2.8	16.5	5.1	65	2.2	5.7	0.2	105	0.44
REP IDA 150268	QC	4.7	48.8	16.0	267	0.8	45.6	9.9	341	2.61	19.8	2.8	9.0	5.1	66	2.0	5.7	0.2	112	0.43
IDA 158497	Soil	3.0	68.5	14.1	102	0.5	48.4	12.9	478	3.11	12.4	0.9	12.0	3.9	28	0.7	1.3	0.2	79	0.21
REP IDA 158497	QC	2.9	68.1	14.0	107	0.5	49.0	12.7	489	3.16	13.2	0.9	12.9	4.1	28	0.8	1.4	0.2	79	0.24
IDA 150263	Soil	8.2	42.4	22.2	438	0.6	57.2	12.3	664	3.76	32.5	2.6	5.4	6.7	58	2.2	10.3	0.3	112	0.42
REP IDA 150263	QC	8.5	41.6	22.6	433	0.6	54.9	12.1	653	3.71	32.1	2.5	12.4	6.5	54	1.9	10.5	0.4	114	0.44
IDA 158405	Soil	1.2	31.9	10.1	74	0.1	24.5	8.6	424	2.54	9.8	1.0	3.6	2.2	22	0.3	1.0	0.2	51	0.21
REP IDA 158405	QC	1.3	29.8	9.7	69	0.1	23.4	8.5	387	2.41	9.7	0.9	3.6	2.2	22	0.3	1.1	0.2	49	0.21
IDA 150219	Soil	5.9	56.6	22.7	72	1.3	31.4	10.9	1993	4.18	21.0	2.1	5.7	1.8	72	0.6	3.4	0.3	99	0.07
REP IDA 150219	QC	6.2	55.6	23.3	73	1.4	33.1	11.6	2063	4.26	22.1	2.2	5.6	1.9	74	0.7	3.6	0.4	102	0.08
IDA 156622	Soil	1.9	26.2	20.5	62	0.4	16.4	4.9	249	2.80	41.7	1.4	4.0	0.4	14	0.3	7.8	0.7	78	0.08
REP IDA 156622	QC	1.8	25.4	20.2	60	0.4	16.6	4.8	248	2.78	41.5	1.4	3.3	0.5	13	0.3	8.4	0.7	78	0.08
IDA 156619	Soil	2.7	39.3	23.3	77	0.3	22.3	10.0	810	3.52	23.8	1.6	4.3	1.0	23	0.4	11.2	0.4	66	0.05
REP IDA 156619	QC	2.9	41.8	23.3	76	0.3	22.8	11.0	821	3.62	23.7	1.6	4.4	1.1	23	0.3	11.3	0.5	68	0.05
IDA 156845	Soil	2.2	199.5	12.4	87	0.2	31.2	11.4	762	3.42	10.0	0.9	11.5	2.2	14	0.4	2.9	0.3	83	0.15
REP IDA 156845	QC	2.5	206.1	12.5	97	0.2	34.0	11.5	774	3.50	10.3	0.9	32.4	2.3	15	0.4	3.1	0.3	93	0.15
IDA 156687	Soil	2.2	27.8	15.6	76	0.1	19.3	8.5	633	3.23	37.2	1.7	8.6	0.7	12	0.4	5.1	0.8	80	0.08
REP IDA 156687	QC	2.1	28.2	17.0	74	0.1	18.1	8.9	596	3.13	37.3	1.7	6.2	0.7	14	0.4	5.5	0.8	70	0.08
IDA 156618	Soil	1.9	24.5	14.4	59	0.2	18.1	6.6	344	2.88	8.7	0.9	2.7	0.6	9	0.3	2.7	0.4	75	0.08
REP IDA 156618	QC	2.1	22.6	14.3	57	0.2	16.7	6.6	334	2.76	8.5	0.8	2.4	0.5	9	0.3	2.7	0.4	70	0.07



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1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

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402 - 905 West Pender St.

Vancouver BC V6C1L6 Canada

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Part 2

QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
IDA 112500	Soil	8	25	0.14	643	0.013	2	1.76	0.004	0.06	<0.1	0.61	11.0	0.3	<0.05	3	2.9	<0.2
REP IDA 112500	QC	8	24	0.14	615	0.014	2	1.77	0.004	0.06	<0.1	0.62	10.5	0.3	<0.05	3	3.0	0.2
IDA 150169	Soil	17	27	0.40	548	0.020	3	1.22	0.007	0.10	0.3	0.53	3.4	0.5	<0.05	4	2.3	<0.2
REP IDA 150169	QC	17	26	0.39	547	0.019	4	1.22	0.007	0.10	0.2	0.55	3.4	0.4	<0.05	4	2.3	<0.2
IDA 155958	Soil	19	31	0.31	164	0.034	1	1.05	0.006	0.06	0.3	0.05	1.7	0.2	0.06	5	1.5	<0.2
REP IDA 155958	QC	19	32	0.33	170	0.036	1	1.12	0.006	0.06	0.4	0.07	1.8	0.2	<0.05	5	1.8	<0.2
IDA 145759	Soil	14	27	0.59	178	0.048	2	1.43	0.007	0.09	0.1	0.07	2.3	0.2	<0.05	5	0.6	<0.2
REP IDA 145759	QC	14	25	0.58	180	0.046	1	1.45	0.005	0.09	0.1	0.06	2.3	0.2	<0.05	5	<0.5	<0.2
IDA 150268	Soil	18	38	0.55	413	0.051	2	1.57	0.013	0.08	0.2	0.38	5.2	0.3	<0.05	6	1.6	<0.2
REP IDA 150268	QC	18	38	0.59	411	0.051	2	1.61	0.014	0.08	0.2	0.37	5.2	0.4	<0.05	6	1.4	<0.2
IDA 158497	Soil	11	60	0.61	325	0.023	4	1.69	0.007	0.10	0.1	0.12	3.0	0.2	<0.05	4	0.9	<0.2
REP IDA 158497	QC	11	62	0.63	335	0.030	4	1.73	0.007	0.10	0.1	0.12	3.1	0.2	<0.05	4	0.7	<0.2
IDA 150263	Soil	21	37	0.65	575	0.049	2	1.57	0.013	0.11	0.2	0.71	6.9	0.5	<0.05	5	2.7	<0.2
REP IDA 150263	QC	21	36	0.64	540	0.046	2	1.51	0.013	0.11	0.2	0.70	6.7	0.5	<0.05	5	2.1	0.3
IDA 158405	Soil	16	29	0.48	319	0.038	2	1.66	0.009	0.05	0.1	0.11	4.2	0.1	<0.05	5	0.5	<0.2
REP IDA 158405	QC	16	27	0.47	319	0.035	1	1.59	0.008	0.05	0.1	0.10	3.7	<0.1	<0.05	5	0.5	<0.2
IDA 150219	Soil	8	31	0.14	528	0.011	2	1.27	0.008	0.16	0.1	0.58	3.7	0.2	0.38	4	2.7	0.4
REP IDA 150219	QC	7	31	0.13	529	0.010	1	1.23	0.008	0.17	0.1	0.59	3.9	0.2	0.40	4	2.7	<0.2
IDA 156622	Soil	14	34	0.53	185	0.037	2	1.70	0.006	0.09	0.1	0.06	1.0	0.3	<0.05	7	<0.5	<0.2
REP IDA 156622	QC	14	34	0.56	185	0.038	3	1.65	0.006	0.09	0.1	0.05	1.0	0.3	<0.05	6	<0.5	<0.2
IDA 156619	Soil	16	32	0.40	248	0.043	1	1.70	0.006	0.10	0.2	0.07	1.8	0.2	<0.05	6	1.0	<0.2
REP IDA 156619	QC	16	33	0.40	253	0.041	2	1.68	0.004	0.10	0.2	0.06	2.0	0.2	<0.05	6	0.7	0.4
IDA 156845	Soil	18	37	0.90	209	0.051	2	2.00	0.008	0.13	0.2	0.03	2.7	0.2	<0.05	7	0.7	<0.2
REP IDA 156845	QC	18	41	1.09	215	0.056	3	2.34	0.009	0.14	0.2	0.06	2.8	0.3	<0.05	7	0.6	0.3
IDA 156687	Soil	12	36	0.42	176	0.042	1	1.99	0.007	0.06	0.1	0.07	1.9	0.3	<0.05	7	1.1	<0.2
REP IDA 156687	QC	14	35	0.42	188	0.043	2	1.87	0.007	0.07	0.1	0.09	1.6	0.4	<0.05	8	0.8	<0.2
IDA 156618	Soil	13	34	0.33	108	0.041	<1	1.74	0.005	0.06	0.1	0.07	1.6	0.2	<0.05	7	<0.5	<0.2
REP IDA 156618	QC	12	32	0.31	104	0.041	2	1.72	0.005	0.06	0.1	0.05	1.3	0.3	<0.05	6	<0.5	<0.2



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:

Ryan Gold

402 - 905 West Pender St.

Vancouver BC V6C1L6 Canada

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QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
IDA 158406	Soil	1.1	25.3	11.3	52	<0.1	23.5	8.8	266	2.22	8.1	0.9	1.7	2.9	16	0.2	0.8	0.2	52	0.15
REP IDA 158406	QC	1.2	24.9	10.6	50	<0.1	21.1	8.3	256	2.14	8.0	0.8	4.9	2.5	15	0.2	0.7	0.2	50	0.16
IDA 156529	Soil	1.9	64.8	12.6	119	0.3	48.5	25.4	824	4.30	12.5	0.9	19.1	3.4	29	0.5	2.4	0.2	61	0.11
REP IDA 156529	QC	1.8	63.5	13.3	117	0.2	48.1	25.3	824	4.30	12.5	0.9	7.2	3.5	29	0.4	2.4	0.2	59	0.11
IDA 150109	Soil	3.0	40.2	14.6	68	0.3	22.0	8.8	281	2.63	11.9	1.0	7.2	1.7	16	0.3	2.9	0.3	52	0.07
REP IDA 150109	QC	3.0	39.6	14.3	71	0.3	22.5	8.7	269	2.53	12.1	1.1	5.7	1.7	16	0.3	3.1	0.3	49	0.07
IDA 156537	Soil	3.1	60.9	15.4	91	0.4	24.7	9.4	575	2.66	11.7	1.2	13.1	0.5	32	0.5	2.6	0.3	78	0.18
REP IDA 156537	QC	3.2	62.0	15.2	90	0.4	25.8	8.9	521	2.69	13.2	1.1	22.2	0.4	35	0.7	2.6	0.3	76	0.17
Reference Materials																				
STD DS7	Standard	20.7	113.5	72.6	396	1.0	54.1	9.5	611	2.31	52.6	5.2	74.6	5.0	72	6.6	5.9	4.8	82	0.93
STD DS7	Standard	20.9	110.1	61.9	423	0.9	57.0	9.8	706	2.57	60.0	4.5	80.8	4.5	85	6.3	5.9	4.5	90	1.08
STD DS7	Standard	19.9	124.6	67.2	432	1.0	60.4	9.2	694	2.62	54.2	4.9	68.5	4.8	76	6.4	6.1	4.8	82	0.98
STD DS7	Standard	19.1	111.0	62.0	372	0.9	53.7	8.7	568	2.15	48.1	4.4	59.8	3.8	68	5.8	5.9	4.3	77	0.84
STD DS7	Standard	20.3	107.5	70.6	384	1.0	52.8	9.1	601	2.29	50.2	5.1	64.1	4.9	74	6.3	6.1	4.9	81	0.92
STD DS7	Standard	20.4	107.0	61.7	399	1.0	54.4	9.0	636	2.31	50.3	4.2	68.2	4.1	73	6.6	5.7	4.2	82	0.90
STD DS7	Standard	20.5	113.9	69.4	362	0.9	55.8	9.1	621	2.26	50.5	4.9	62.2	4.3	71	5.9	5.8	4.4	84	0.89
STD DS7	Standard	21.3	114.3	70.4	369	0.9	58.2	9.9	586	2.24	43.5	5.0	71.4	4.8	68	5.6	5.4	4.3	87	0.91
STD DS7	Standard	20.1	100.4	61.7	371	0.9	55.2	9.3	586	2.27	50.4	4.6	60.7	4.4	67	6.3	6.0	4.5	79	0.91
STD DS7	Standard	20.6	106.6	65.2	390	1.0	52.9	9.0	613	2.36	52.8	4.7	91.7	4.6	81	6.4	5.9	4.7	82	0.89
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01



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: **Ryan Gold**
402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

Project: IDA
Report Date: October 15, 2010

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QUALITY CONTROL REPORT

WHI10000431.1

		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
IDA 158406	Soil	15	30	0.37	201	0.043	1	1.52	0.006	0.05	0.1	0.05	2.6	<0.1	<0.05	5	<0.5	<0.2
REP IDA 158406	QC	14	29	0.36	192	0.043	1	1.47	0.006	0.05	0.1	0.04	2.5	<0.1	<0.05	4	<0.5	<0.2
IDA 156529	Soil	16	35	0.48	213	0.061	1	1.54	0.020	0.11	0.2	0.04	2.5	0.2	0.20	4	1.0	<0.2
REP IDA 156529	QC	16	34	0.47	215	0.061	1	1.50	0.019	0.11	0.3	0.04	2.6	0.2	0.20	4	1.6	<0.2
IDA 150109	Soil	12	26	0.26	171	0.038	2	1.15	0.007	0.07	0.1	0.04	1.6	0.1	0.07	5	<0.5	<0.2
REP IDA 150109	QC	12	24	0.26	175	0.037	2	1.12	0.006	0.06	0.2	0.04	1.7	0.1	0.05	5	<0.5	<0.2
IDA 156537	Soil	9	32	0.50	207	0.035	2	1.94	0.010	0.10	0.2	0.06	1.2	0.1	0.13	6	1.3	<0.2
REP IDA 156537	QC	9	31	0.51	210	0.035	<1	1.97	0.010	0.10	0.1	0.06	1.1	0.1	0.09	7	1.3	<0.2
Reference Materials																		
STD DS7	Standard	14	181	1.04	413	0.123	39	1.05	0.096	0.46	3.6	0.20	2.6	4.0	0.19	5	3.2	1.3
STD DS7	Standard	14	203	1.02	436	0.137	43	1.07	0.122	0.52	4.1	0.22	3.2	4.2	0.18	5	3.5	2.1
STD DS7	Standard	14	198	1.07	423	0.129	49	1.14	0.121	0.51	4.1	0.24	2.7	3.9	0.18	5	3.2	1.2
STD DS7	Standard	11	177	0.94	381	0.122	38	0.94	0.092	0.42	3.3	0.20	2.1	3.6	0.18	4	2.6	1.5
STD DS7	Standard	14	188	1.03	407	0.119	41	0.93	0.096	0.45	3.7	0.21	2.5	3.9	0.10	5	3.5	1.3
STD DS7	Standard	12	187	0.96	373	0.120	33	0.95	0.099	0.44	3.5	0.22	2.6	4.0	0.24	5	3.8	1.0
STD DS7	Standard	12	211	1.05	375	0.121	43	0.99	0.092	0.45	3.3	0.20	2.3	4.0	0.20	5	2.5	0.6
STD DS7	Standard	13	221	0.99	348	0.137	34	0.99	0.093	0.43	3.5	0.20	2.5	3.8	0.22	5	2.8	0.7
STD DS7	Standard	13	187	1.01	368	0.117	37	0.98	0.097	0.45	3.5	0.22	2.5	4.0	0.21	5	3.1	1.3
STD DS7	Standard	14	207	1.03	402	0.134	38	1.01	0.109	0.48	3.6	0.21	2.5	4.1	0.18	5	2.4	1.3
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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:

Ryan Gold

402 - 905 West Pender St.

Vancouver BC V6C1L6 Canada

Project:

IDA

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Part 1

QUALITY CONTROL REPORT

WHI10000431.1

		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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Ryan Gold**
402 - 905 West Pender St.
Vancouver BC V6C1L6 Canada

Project: IDA

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QUALITY CONTROL REPORT

WHI10000431.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5