REPORT ON THE

2008 Soil Geochemical Program

LUCKY JOE PROJECT

YMIP Project No. 08-049

Dawson Mining District
NTS 115O/11&12
63° 35'N – 139° 30'W
Yukon Territory

By

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For

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TABLE OF CONTENTS

LIST OF FIGURES

1.0 SUMMARY

The Lucky Joe property consists of 548 contiguous claims in the Dawson Mining District of west central Yukon covering the Burmeister copper-molybdenum prospect, Minfile 115O 051. The claims are 100% owned by Copper Ridge Explorations Inc., subject to royalties and share issuances to the underlying vendor. The 2008 exploration program, operated out of Dawson City, consisted of 3.75 km of line cutting and soil geochemical sampling along the Ryan's Creek trend and a mapping and prospecting program on the ridge to the west of the trend. The sampling area filled in a 1.7 km gap between copper-gold intersections encountered in drilling in 2006 and 2007.

Results of this program confirm the existence anomalous copper soil geochemistry in the 1.7 kilometre untested gap between holes LJ07-19 and LJ06-09, which suggests the potential for a large scale copper-gold mineralized system at Lucky Joe. Results of the 2008 program continue to provide favourable indicators towards the existence of a low-grade, bulk-tonnage copper-gold system at Lucky Joe that requires further drill testing. We propose a 6-hole, 1200 metre diamond drilling program at a cost of $400,000 to further test the Ryan's Creek Trend.

2.0 INTRODUCTION

2.1 Terms of Reference and Participating Personnel

This report summarizes the results of a soil geochemical, ground geophysics and mapping program conducted on the Lucky Joe property during summer of 2008. The program was funded and operated by Copper Ridge Explorations Inc. Total expenditures for the line cutting, soil sampling, ground geophysics, helicopter support, geological and logistical support expended on this program is $25,214.78. The authors of this report have visited the property during the 2007 and 2008 field seasons, and supervised the 2008 mapping and geochemical program.

Ryanwood Explorations of Dawson were contracted for the line cutting, ground geophysics and soil sampling work. Fireweed Helicopters of Dawson provided air transportation and support. Copper Ridge Explorations Inc. staff undertook the prospecting program. Geological and logistical support for the program was provided by Copper Ridge staff. Acme Analytical Laboratories of Vancouver, British Columbia completed the geochemical analysis.

2.2 Source Documents

This report incorporates data from historical work by Copper Ridge in 2002, 2006 and 2007 and by Kennecott in 2003 and 2005. In addition, historical work described in previous assessment work reports by Riocanex filed with government agencies has been referenced. This work is supported by historical and current regional geological and geophysical studies carried out by the Geological Survey of Canada and the Yukon Geological Survey as reported in the References section.

3.0 PROPERTY DESCRIPTION AND LOCATION

The project area consists of 548 contiguous quartz claims situated along a northwest-southeast trend located just east of the Yukon River and south of Dawson City. The Lucky Joe property includes seven claims originally optioned from Silver Standard in addition to 541 LJ and Lucky Joe claims originally optioned from Shawn Ryan. Both claim groups are now owned 100% by Copper Ridge.

3.1 Location and Access

The northern boundary of the project area is located approximately 42 km south-southwest of Dawson City, Yukon Territory (Fig. 1) on NTS Map Sheets 1150/11 and 1150/12. The project area extends for 24 km in a northwest-southeast direction and averages about 14 km in width. The nearest road access to the property is some 20 km to the northeast or 10 km to the east. A bulldozer trail, constructed in the early 1970's, leads into the headwaters of Lucky Joe Creek from a point of origin near the confluence of Quartz Creek and the Indian River. Access to the property for the 2008 program was by helicopter from Dawson City.

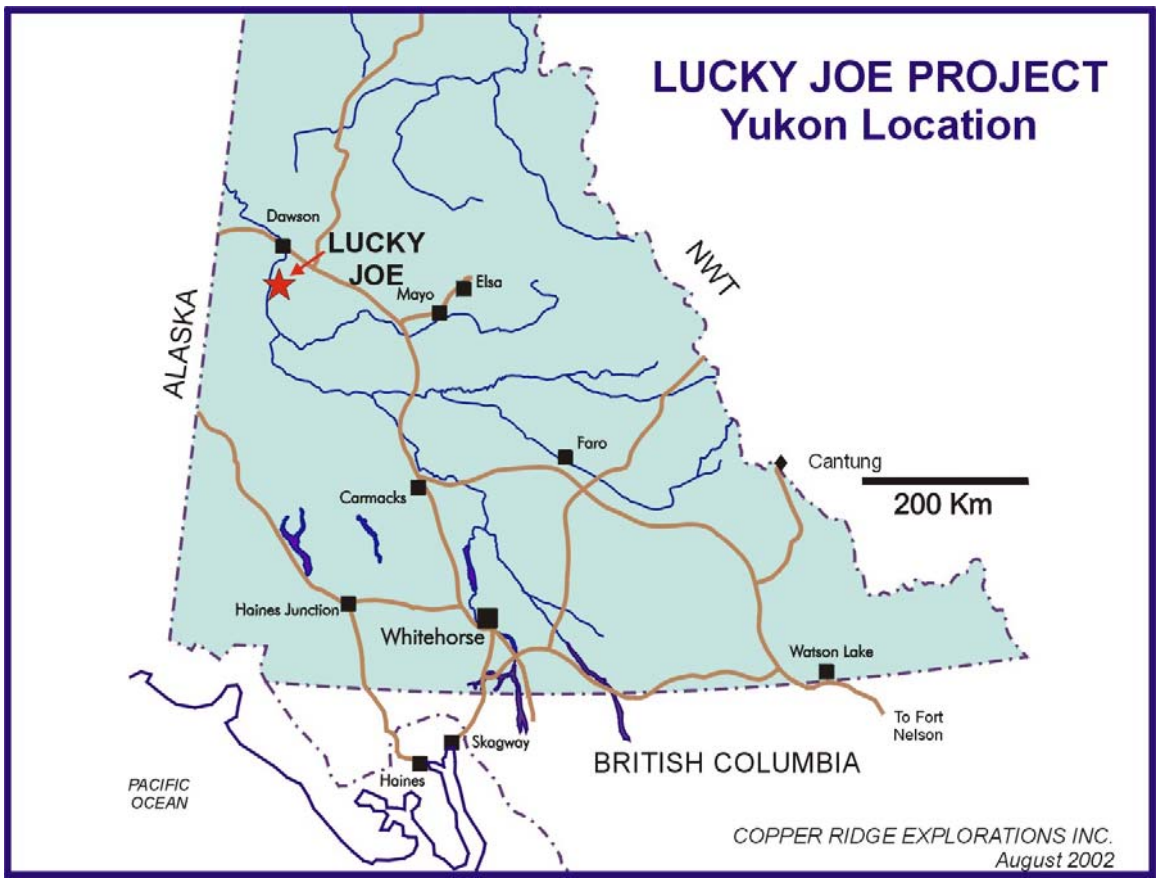

Figure 1. Lucky Joe location map.

3.2 Physiography and Climate

The Lucky Joe Project lies within the physiographic province known as the Yukon-Tanana Upland. This region consists of a maturely dissected plateau that had only minor alpine glaciation during the Pleistocene. The lack of glaciation resulted in thick soil accumulations and extensive vegetation cover contributing to very scant bedrock exposure throughout much of the claim group. Local eolian deposits (loess) have accumulated on some slopes and low-lying areas. Much of the property is densely forested with upper slopes and south facing slopes covered by thick stands of white spruce, paper birch, and quaking aspen. Black spruce forests are prominent on most north facing slopes, and on slopes with impeded soil drainage throughout the area. Ground cover in areas of thin tree cover consists of alpine plants, 'buckbrush" (alder), dwarf willow and moss. Upland soils that support spruce-hardwood forests are well drained. The entire area is underlain by discontinuous permafrost. In spite of the vegetative cover, evidence of active solifluction is fairly common. Topography in the region is typical of an incised peneplain with steep hillsides and rounded crests. Relief is low to moderate with elevations ranging from 350-1200 m.

Rock outcrop is restricted to ridges, small cliffs and creek bottoms. Outcrop exposure represents approximately 5 percent of the property. Soils consist of talus fines and colluvium. Colluvium veneer is the most common cover on the property and averages 1-

2 m thick whereas colluvium blanket material averages less than 3 m thick. Colluvium conforms to bedrock topography and is composed of diamicton, rubble, and organic-rich silt and sand derived from bedrock sources by a variety of slope processes. Valleys are filled with alluvium and locally form terraces up to 20 m thick.

The region can be characterized as having a semi-arid, sub-arctic climate with long, severely cold winters and short, hot summers. Annual precipitation ranges from 25 to 43 cm. with the heaviest amounts occurring in late summer. Average snowfall ranges from 120 to 250 cm.

3.3 Land Tenure

The Lucky Joe Property covers an area of approximately 11,000 hectares and consists of a total of 548 unsurveyed, two-post Yukon Quartz claims (see Figure 2 and Appendix 1).

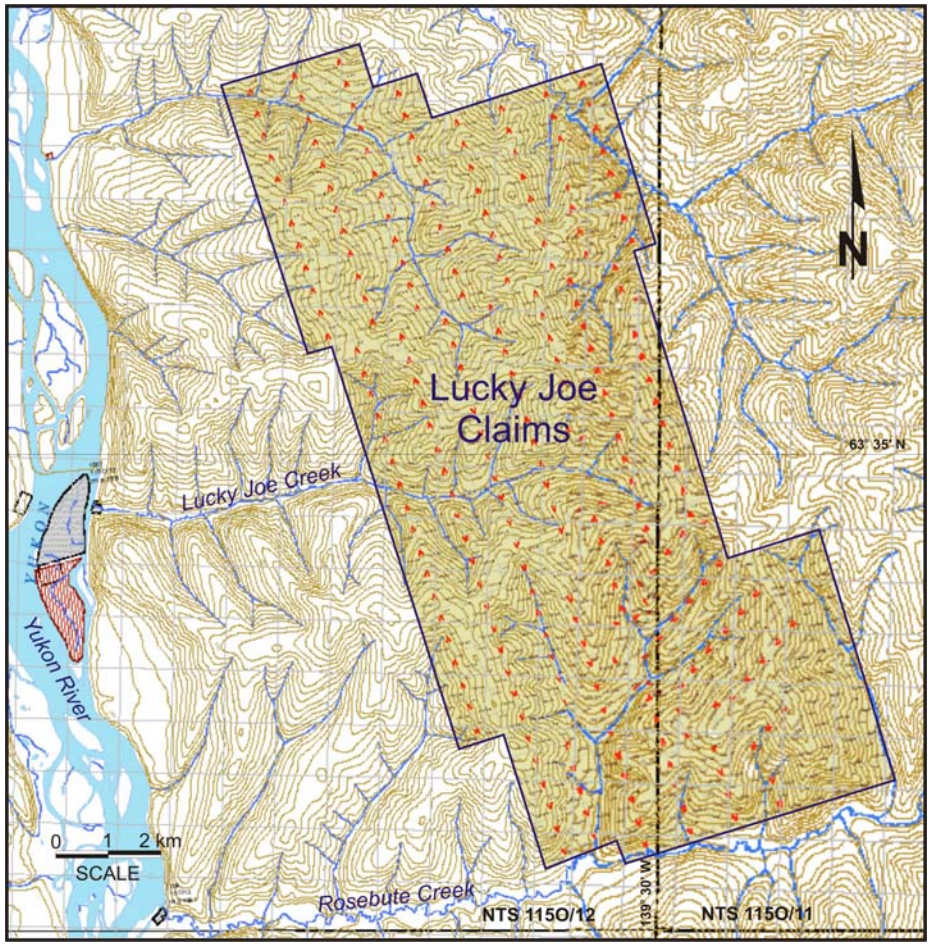

Figure 2. Lucky Joe claim group.

The claims were staked according to the Yukon Quartz Mining Act and are located in the Dawson Mining District on claim sheets 115O-11 and 115O-12. Records are available for viewing at the Dawson Mining Recorders Office or on the Yukon Mining Recorder's web site at http://www.yukonminingrecorder.ca/. The claims are owned 100% by Copper

Ridge Explorations Inc., subject to royalties and additional share issuances to the underlying property vendor.

4.0 HISTORY

The Dawson Syndicate (Silver Standard Mining Limited and Asarco) discovered the Lucky Joe prospect in 1970 as a result of a regional reconnaissance stream sediment geochemical survey. Soil grid sampling and dozer trenching on claims staked in the headwaters of Lucky Joe Creek followed, and the following year Silver Standard drilled three shallow holes in the trenched areas, two of which ended in rock grading 0.37% Cu (Au was not analyzed). Riocanex (Rio Tinto Canadian Exploration Inc.) acquired the property in 1975 under an option agreement with Silver Standard and commenced a 3-year exploration program that included geological mapping, soil geochemical grid sampling, ground magnetics, Max-Min electromagnetic surveys, Induced Polarization (IP) surveys and diamond drilling. During the course of the program the claim group was greatly expanded and two additional targets were identified and tested. Riocanex drilled a total of 12 holes into 3 target areas that combined for 2,427.1 m. More than half of these holes were concentrated on the Lucky Joe prospect where low-grade Cu mineralization that appeared to be stratiform, was intersected in several holes. The remaining holes were drilled on outlying targets in an attempt to find higher-grade mineralization. All of these latter holes returned low copper values and subsequent exploration suggests that they were improperly targeted.

In 2001 Shawn Ryan, a local prospector, compiled all of the available Riocanex data and reviewed this in combination with the recent release of a low level airborne aeromagnetic survey conducted jointly by the Geological Survey of Canada and the Yukon Geology Survey (Shives et al., 2001). He noticed a relationship between the copper in soil anomalies with a long, linear trending magnetic high and tested the relationship with soil sampling and by digging test pits. Positive results both along strike and within the immediate area resulted in Ryan and his crew staking a small claim group.

In 2002 Copper Ridge optioned the claims staked by Ryan plus the remaining seven of the original claims from Consolidated Silver Standard Resources Inc., carried out a geochemical soil survey consisting of 1430 samples and staked additional claims. Kennecott conducted an evaluation of the property in 2002, which included re-analysis of select pulps from the Copper Ridge soil samples. During October 2002, Kennecott undertook a soil and stream sediment orientation survey at the Lucky Joe and Ryan Creek prospects and used the results of this survey to set up a geochemical protocol for the 2003 soil sampling program. In January 2003 Kennecott optioned the land package from Copper Ridge.

In 2003, Kennecott completed a helicopter supported geochemical and geological exploration program over the Lucky Joe claim group as well as reconnaissance sampling and mapping over adjacent area with similar geology and mineral potential. At Lucky Joe, the soil sampling extended from the known Lucky Joe deposit, explored by Silver Standard and Riocanex in the 1970's, and expanded soil surveys completed by Copper Ridge the previous year. In 2005, Kennecott completed a 7.4 km IP survey and a five

hole, 1,035.1 m diamond drill program. The IP survey identified two large and strong chargeability anomalies along a baseline oriented in a north westerly direction through the centre of the Bear Cub anomaly. The drilling tested an approximately 3.5 km length of the main Papa Bear copper-gold soil anomaly, which has dimensions of over 11 km long by 2 to 2.5 km in width. The drilling confirmed the presence of porphyry style copper mineralization over a broad area, but with low grade copper and gold values (Carlson, 2006).

In 2006, Copper Ridge undertook a geochemical and geophysical program to gain a more detailed understanding of the Bear Cub and Ryan's Creek anomalies. A total of 23.4 kilometres of line grid was cut over both grids; 7 lines of ~1.8 km each for a total of 12.3 km at Bear Cub and 7 lines of ~ 1.4 km each for a total of 11.1 km at Ryan's creek. Soil samples were collected at 50m intervals along the new grid lines, and a dipole-dipole IP program was conducted along the same grid. Results of these programs confirmed and further defined chargeability anomalies along the Bear Cub trend. At Ryan's Creek, a strong linear association of high copper and gold in soils and high chargeability coincides with the eastern edge of a linear magnetic high along a >4km trend.

Between the period September 7 and October 14, 2006, a seven hole, 841.2 m core drilling program was carried out, with two holes targeting the northern part of the Bear Cub zone and three targeting the southern extension of the Ryan's Creek trend. Only one hole on the Ryan's Creek trend, Hole 96-09, was successfully completed into bedrock. This hole returned 12.05 m at 0.37% Cu and 0.8 g/t Au, including 2.4 m at 0.17% Cu and 3.24 g/t Au.

In 2007, Copper Ridge completed an additional 2,400 m of drilling in 13 holes testing the northern extension of the Ryan's Creek anomaly. Most of the holes encountered sub-economic grades of copper-gold mineralization, however, the southernmost hole encountered 7.3 m at 0.905% Cu and .5 g/t gold (LJ07-19), approximately 1500 m along strike from hole 96-09. The 2008 program was designed to complete soil sampling and geological mapping in this gap to assist in defining drill targets.

The first government geological investigation in the Lucky Joe Project area was by H.S. Bostock starting in 1935 (Bostock, 1942). More recently the area was mapped at 1:100,000 scale as part of a Geological Survey of Canada NATMAP project (Ryan and Gordey, 2004).

5.0 GEOLOGICAL SETTING

The Lucky Joe property lies between the Tertiary (?) age, northwest-trending, crustal-scale Tintina and Denali faults within the Omenica belt (Wheeler and McFeely, 1991). The lithotectonic (pre-accretion) Yukon-Tanana terrane (YTT) assemblage, a medium to high grade, polydeformed metasedimentary and meta-igneous rock package of Paleozoic age underlies this region. More locally, the YTT comprises two main supracrustal assemblages: (1) the Devonian-Mississippian Pelly Gneiss; and (2) the lower YTT terrane rocks comprising Devonian and older quartz-rich rocks, amphibolite, mica schists and minor marble. Ultramafic rocks are also found across the region and are

predominantly amphibolite facies metagabbro, metapyroxenite (now actinolite) and rare serpentinite. These rocks were previously included with the Paleozoic Slide Mountain Terrane (Mortensen, 1996) but this is now questionable and their origins remain undetermined (Ryan and Gordey, 2003). Jurassic quartz monzonite bodies intrude the YTT. Unmetamorphosed post accretionary volcano-sedimentary units of mid to Late Cretaceous age (Mortensen, 1996) unconformably overly the YTT.

5.1 General Property Setting

Riocanex mapped the property during the course of their programs during the period 1975 to 1978 (McClintock, 1976, 1979). McClintock (1976, 1979) observed an upward-fining sequence of metamorphosed volcanic and sedimentary rocks, at least 2,000 m thick, which underlay the property. Within the sequence he defined a stratigraphic series that he broke down into five major groups:

I. Intercalated quartzite, biotite-quartz gneiss with minor biotite-muscovite schist and calc-silicate marbles.

II. Intercalated biotite-muscovite and quartz-muscovite schist, minor graphite schist.

III. Interbedded biotite-feldspar gneiss and amphibolites, with up to 3% magnetite.

IV. Amphibolite.

V. Sub-gneissic textured biotite-feldspar schist and quartz-feldspar gneiss.

McClintock (1976, 1979) interpreted that the sequence resulted from sedimentation in a deepening basin, with mafic volcanism becoming more prevalent as the basin deepened and clastic sediments becoming more feldspathic as a result. The sequence was subsequently buried, subjected to regional metamorphism and deformation and intruded by a coarse grained quartz monzonite, which is also foliated parallel to the foliation of the schists and gneisses. Unfoliated leucocratic granite was mapped in the west and southwest of the map area. Riocanex interpreted this sequence to have undergone at least two phases of deformation, including large scale isoclinal, recumbent folds with a northwest-trending axis subsequently re-folded into a series of smaller scale northwest-trending antiforms and synforms.

Kennecott re-mapped the property in 2003, with more of a focus on the Bear Cub Zone than on the original Lucky Joe deposit and found a greater influence of igneous rocks in the overall geologic succession. Franklin et al. (2003) identified three principal layered rock units that underlie the area of interest. From oldest to youngest these are (1) a metaclastic unit, which comprises a range of protoliths including arkosic greywacke, quartz sandstone, arkose, and shale; (2) a laminar-foliated unit composed predominantly of felsic volcanics, altered rhyolitic to latitic tuffs, and local arkosic sediments; and (3) an amphibolitic unit composed of mafic to intermediate volcanics that are locally tuffaceous, and interbedded clastic sediments (Fig. 3). Additional mappable units on the property include quartzite, carbonate, skarn and a crystalline quartz feldspar rock that may be a variation of the either the amphibolite or the laminar foliated units.

Franklin et al (2003) interpreted two distinct plutonic suites to have intruded the above rocks; a biotite-bearing granodioritic orthogneiss (Eastern-class) and a leucocratic metagranite (Western-class). The former intrusion is of batholithic-scale, and occurs widely upon the Lucky Joe property as well as extensively to the east. This intrusion has been shown as Pelly Gneiss on past regional maps. These two intrusive suites have clear lithogeochemical, mineralogical, and textural contrasts. The older "Eastern-class" intrusions consist of gneissic-textured biotite-rich rocks with an average composition of granodiorite, and possibly of quartz monzonite composition prior to mineral redistribution during metamorphism. The younger (?) "Western-class" intrusive suite consists of weakly foliated leucocratic rock of original granite composition. At least a portion of known alteration and mineralization occurs spatial to the Western-class intrusions, which are enriched in Al and Na and depleted in K and a host of other elements. While it is not proven that the Western-class intrusions are the source of mineralization, they appear to have been within the most vigorous portion of the alteration pathway. All of the major units and intrusive suites can be typed and correlated based upon major oxide analyses. Further, the nature of alteration associated with mineralization can be quantified. A comparison of fresh Eastern-class meta-intrusions with hydrothermally altered Eastern-class meta-intrusions demonstrates an overall increase in K and decrease in Ca. Franklin et al (2003) conclude that the combined data support deeper level and/or higher temperature sodic alteration and higher level and/or lower temperature potassic alteration in the Lucky Joe mineralized systems. In addition to the geochemical suite, the distribution of hydrothermal alteration mineralogy does not support the sedimentary model historically proposed for the Lucky Joe prospect. In fact, a significant proportion of the alteration and mineralization is hosted within meta-intrusions.

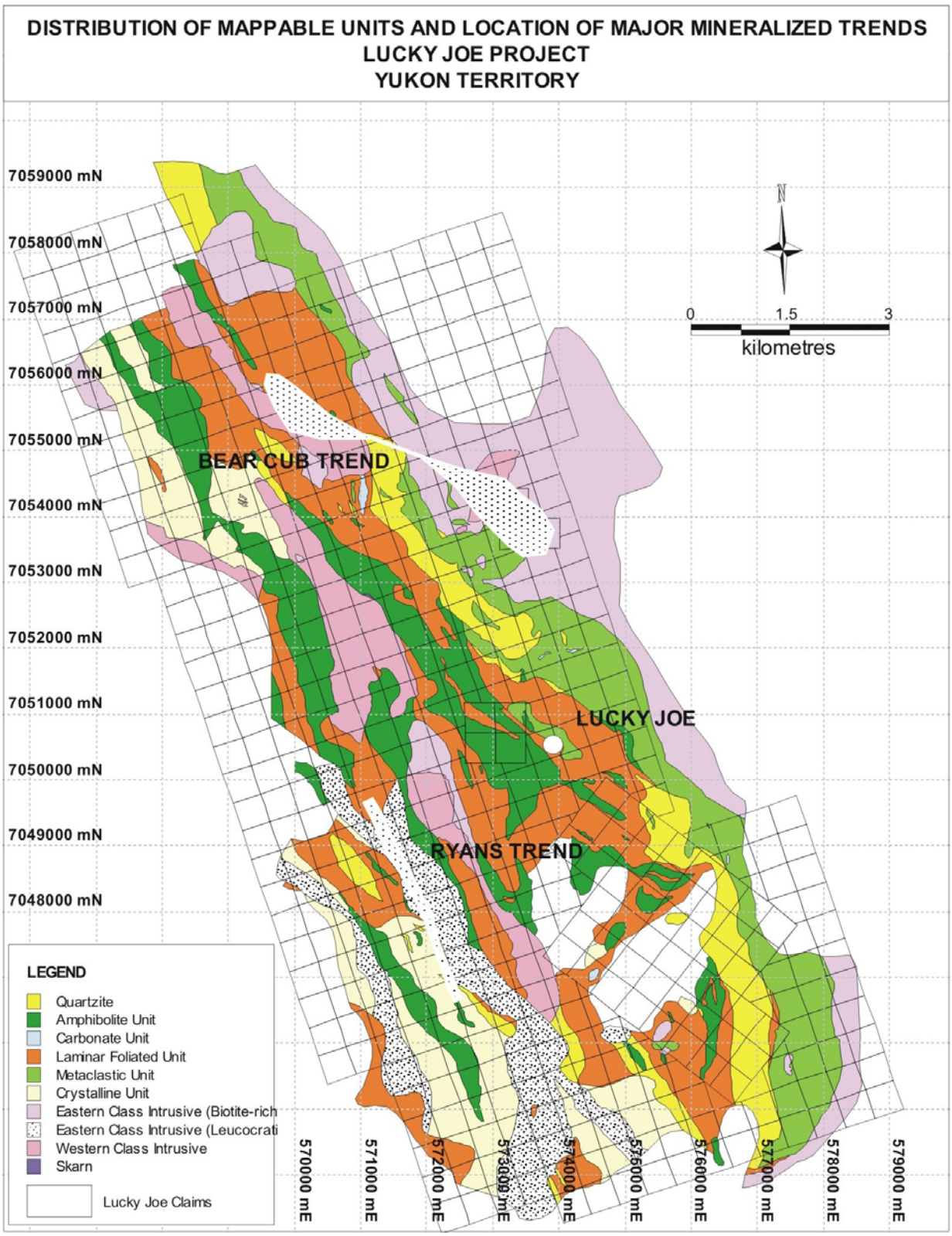

Figure 3. Lucky Joe property geology and main mineralized zones.

5.2 Structure

Regionally the area has been subject to major ENE-WSW compression and the general assumption is that most major structures should be ENE-verging. The rocks could have been metamorphosed during the Devono-Mississippian, Permian, and/or Jurassic (?) periods, and were thrust north eastward during the mid-Jurassic and Cretaceous. On a more local scale, structural information must be gleaned from a few well-presented outcrops on the property. Problematically, many units lack sufficient internal lithologic heterogeneity to allow the visualization of structure. Intense rodding is a ubiquitous feature throughout and cataclastic textures are also common in competent rock types. Crenulation cleavage is well developed, particularly in the Metaclastic unit. Two folding styles are observed, chevron and upright to overturned circular. No truly recumbent folds have been observed. Large-scale overturned or recumbent folding was proposed by previous workers, based upon an undocumented study of S and Z folds. Most minor folds plunge 15 to 20 degrees southeast (average ~ 150 azimuth). Pockets of bull quartz are sweated out along fold axes and the abundance of similar quartz in float across the property suggests that small folds are common everywhere. Preserved graded layers in the Metaclastic unit indicate that most bedding in this unit is not overturned, but geological relationships suggest that property-scale structure is characterized by km-scale northwest trending upright to overturned syncline-anticline pairs

5.3 Alteration

Magnetite alteration generally occurs locally to regionally in the hanging wall to muscovite-quartz alteration and roughly follows the Amphibolite unit. Many of the strongest magnetite occurrences, however, occur within the Laminar-foliated unit, likely as a consequence of host rock mineralogy, as magnetite predominantly occurs with feldspar. Magnetite occurs to at least a minor extent in every unit, suggesting that it is not forming after hematite in a particular sedimentary horizon. Magnetite patches occur in the Western-class intrusions and may be partially to wholly altered to hematite. This suggests that the hematite is of hydrothermal origin and not supergene, since magnetite in other units is typically fresh in surface samples. Magnetite commonly accompanies significant garnet occurrences and locally the garnets are magnetic. This relationship suggests that magnetite alteration formed contemporaneously with, or grew as inclusions in pre-existing iron-rich garnet. Although minor brown-red garnets appear to be widely distributed and are probably of metamorphic origin, the largest and most concentrated (10% or more garnet) occurrences occur near the base of the magnetite zone and above the muscovite-quartz zone. The Laminar-foliated and Amphibolite units are the best hosts, but garnets also occur in the Metaclastic unit and Eastern-class meta-intrusions.

Evidence for biotite alteration consists of locally high contents of poorly oriented biotite (30% or more) in the *Metaclastic* unit at Papa Bear and the discordance of biotite flakes with respect to primary foliation in different units (very equivocal evidence). Stronger evidence is provided by petrographic observations that biotite crosscuts and replaces the boundaries of feldspar grains.

Muscovite-quartz is the most recognizable form of alteration on the property and is characterized by interlayered coarse-grained lustrous to splendent or pearly white mica

and gray quartz, either as original rods or eyes or as introduced silica. The term "muscovite" is used *sensu-lato*, and includes muscovite, sericite after feldspar, and other white phyllosilicates as alteration products of other original minerals. Muscovite-quartz alteration is probably magnetite-destructive, since this mineral rarely if ever occurs with this alteration suite. Documentary evidence also suggests that potassium enrichment is associated with muscovite-quartz alteration in a phyllic assemblage. Potassium alteration occurs as quartz-potassium feldspar veins and as plagioclase replacement by potassium feldspar.

Chlorite alteration of biotite and hornblende and epidote alteration of feldspar or other minerals is fairly widespread. In some cases this could be ascribed to non-hydrothermal alteration of chemically permissive rock types. Chlorite-epidote alteration shows few unequivocal patterns on the Lucky Joe property, but is convincingly concentrated in and around the Western-class intrusion along the Papa Bear grid and chlorite alteration is commonly developed after biotite in other Western-class intrusions. At Papa Bear chloritized biotite and late quartz-epidote-chlorite veinlets and hematite alteration are locally observed in Eastern-class metaintrusive rock that contains sulphides. Hematite alteration is also present in Metaclastic unit rocks in drill core from the Papa Bear grid. Core from the Papa Bear grid examined during 2003 shows an alteration continuum from biotite to chlorite to muscovite, an observation also supported by surface evaluation and petrographic studies at main Lucky Joe. Albitization is widely developed in the Western-class metaintrusions, based on analyses with Na_2O returns of 4 to greater than 6%. Interestingly, the plagioclase in Western-class metaintrusions is commonly glassy and unaltered.

Skarn and calc-silicate alteration occurs in several locales and is undoubtedly more widespread than can be appreciated from the limited rock exposures. Skarn and calc-silicate occurrences occur along the margins of the Eastern-class and Western-class intrusions. Regardless of the underlying protolith, skarns are dense and dark, exhibiting high Fe and low SiO_2 concentrations and sulphides are minor to absent. The mineral assemblages consist of garnet, epidote, diopside, tremolite or other amphiboles, and possibly rhodonite or rhodochrosite. A zinc content of 2.97% in one skarn occurrence suggests a link with carbonate-hosted mineralization. Magnetite content ranges from none to abundant, and elevated Bi, Cu, Mo, and Te are variably associated. Skarns possibly became more enriched with Zn and Pb as the hydrothermal system evolved.

6.0 2008 SAMPLING AND PROSPECTING PROGRAM

The 2008 soil geochemical and prospecting program (see Figure 4) was designed to supplement earlier soil sampling programs undertaken by Kennecott and Copper Ridge within a 1.7 kilometre gap between core holes drilled on the Ryan's Creek trend during the 2006 and 2007 field seasons that intersected significant copper and gold mineralization. Ryanwood Exploration contract staff undertook 3.75 line kilometers of soil sampling. One hundred and thirty six soil samples were collected by hand auger at 50m intervals along five lines spaced between 250 and 500 metres apart. Samples were collected from the B horizon at depths between 0.30 and 1.10 metres. They were air-dried at Ryanwood Exploration's premises, then packed and sent by Kluane Freight Lines from

Dawson City to Acme Analytical Labs in Vancouver where they were analyzed using a 37 element Inductively Coupled Plasma (ICP) scan (Appendix III). Patchy permafrost on some north-facing slopes precluded sample collection in these areas. Samples that were partially frozen were noted in the sampling log (Appendix II). For analytical methodology see Appendix IV.

Locally, the survey identified point soils of up to 1515 ppm Cu (Fig. 4) and 89 ppb Au (Fig. 5) and supported the existence of anomalous copper, and to a lesser extent gold, in soils coincident with an IP chargeability high and adjacent to the eastern margin of a magnetic high, and extended the area of the known copper and gold soil anomaly south to hole LJ06-09. The survey was ineffective through the central and/or eastern parts of most lines as sample collection was hampered by swampy ground and permafrost. The lack of data in these areas, therefore, should not be used to discount the presence of anomalous copper and gold.

The mapping and prospecting program was largely unsuccessful, with thick soil cover and dense vegetation revealing very little outcrop. Most outcrops were located on the ridge to the west of the Ryan's Creek Trend and on the ridge edge to the north of the 2007 drill camp (see Figure 4). Minor subcrop and talus slopes occur to the north of the camp. A number of spot localities, comprising predominantly muscovite, chlorite and biotite schists, with minor felsic porphyry, were mapped in these locations. Lithologically, these outcrops and subcrops appear consistent with units intersected during the 2006 and 2007 drilling programs at Ryan's Creek, and are likely part of Kennecott's Group 2 laminar foliated unit, which comprises predominantly felsic volcanic rocks and rhyolite-latite tuffs. Neither magnetite nor garnet alteration was observed in any of the mapped outcrops. No mineralization (py, cpy, mal, az, bn) was observed in any outcrops or float during the mapping program, thus, no samples were collected for geochemical analysis.

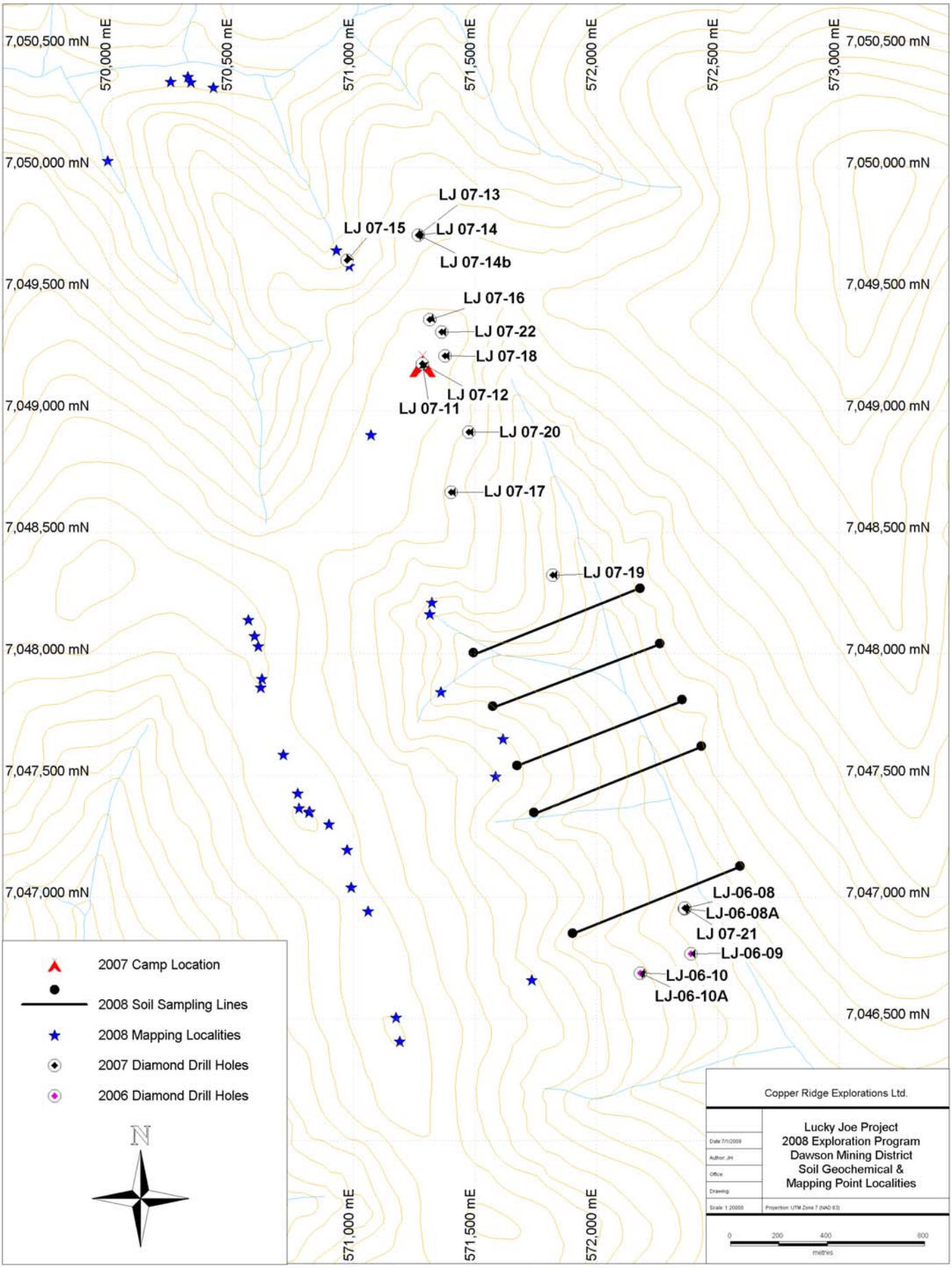

Figure 4 Geochemical lines and mapping point localities

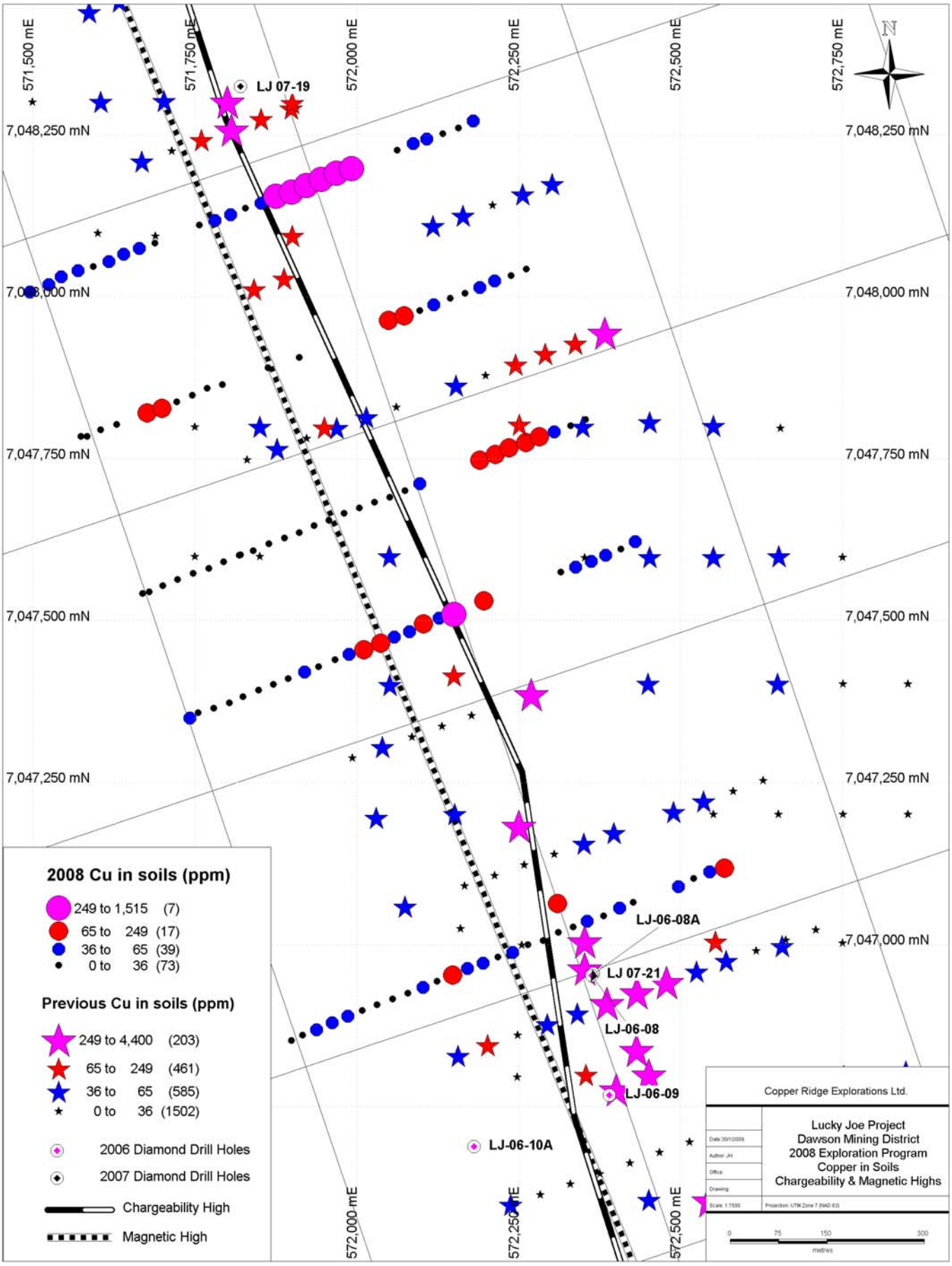

Figure 5 Copper in soils from 2008 and earlier exploration programs with the axes of IP chargeability high and the eastern margin of the magnetic high.

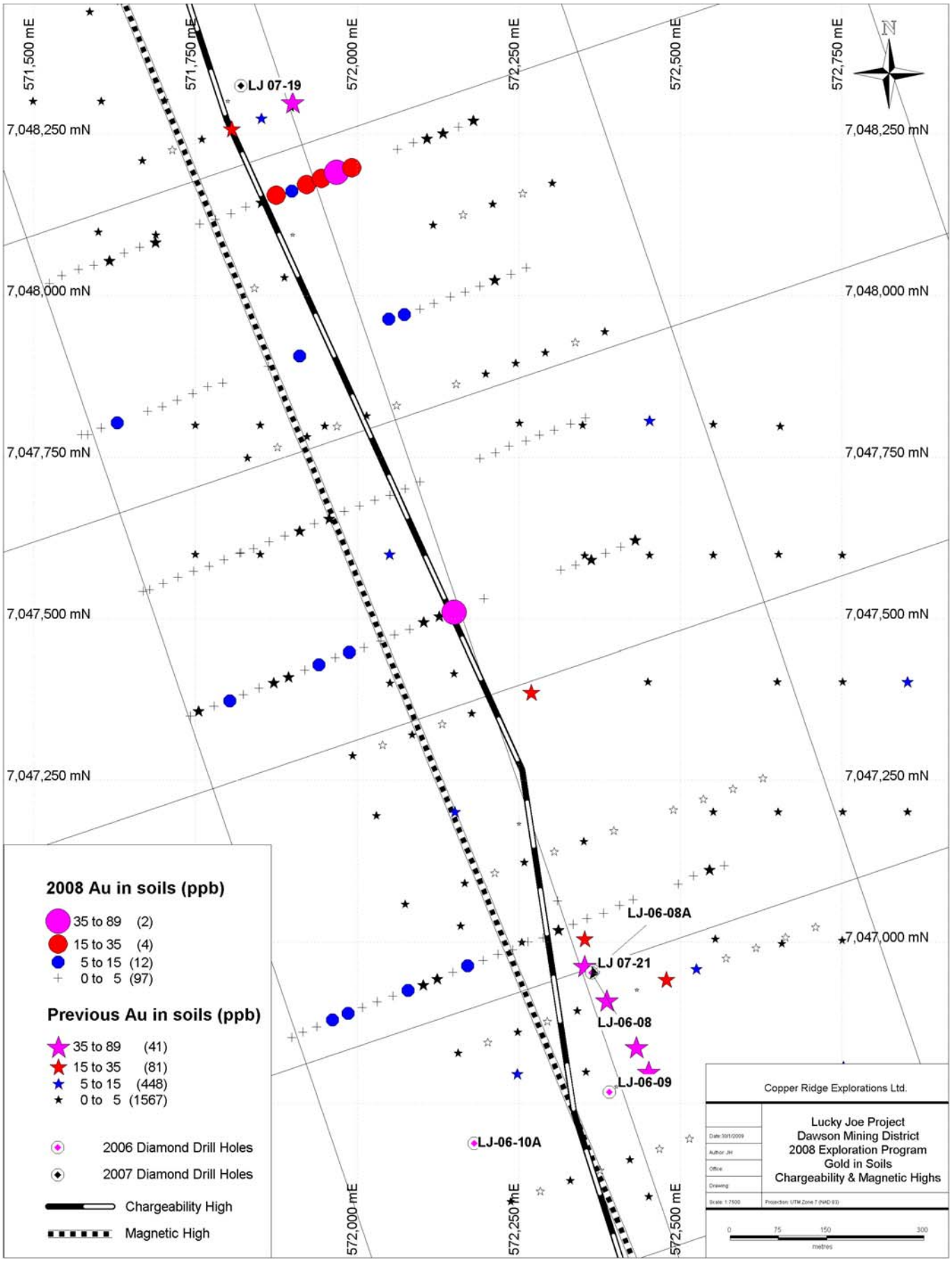

Figure 6 Gold in soils from 2008 and earlier exploration programs with the axes of IP chargeability high and the eastern margin of the magnetic high

7.0 CONCLUSIONS AND RECOMMENDATIONS

Drill holes along the Ryan's Creek trend have predominantly intersected biotite, muscovite and chlorite schists, and amphibolite schists, which correlate to Kennecott's laminar foliated unit (group 2) and amphibolitic unit (group 3), respectively. Near-surface copper mineralization comprises malachite±azurite, and typically occurs as veinlets, or parallel to foliation within the schists. In fresher rocks chalcopyrite occurs commonly as foliation-parallel fine-grained disseminations and wisps within quartz-muscovite schists, and rarely as coarser grained blebs. Garnet schists, while rare, commonly show a correlation with increased chalcopyrite abundance.

Geophysical and geochemical surveys have identified a 3.7 km long NNW-SSE-trending linear feature at Ryan's Creek, which shows a number of similarities to the original Lucky Joe prospect. An induced polarization (IP) survey conducted over the Ryan's Creek Trend identified strong conductivity and resistivity anomalies, located along the eastern edge of a prominent magnetic high. The geophysical lineation is coincident with a zone of elevated copper and gold anomalism identified by geochemical surveys, and may indicate the presence of a major mineralized structure underlying the trend. Geochemically, Ryan's Creek Trend has proven problematic and results of the soil sampling are therefore not necessarily indicative of the underlying bedrock. Sample quality has been impacted by the presence of permafrost, loess and soliflucted colluvium, which may mask underlying mineralization.

Results of this program extend the zone of known anomalous copper and gold soil geochemistry south to hole LJ06-09 and reaffirm the potential for a large scale copper-gold mineralized system at Lucky Joe. The known copper-gold anomaly extends over 3.7 kilometres along Ryan's Creek Trend and remains largely untested by diamond drilling. The 2008 soil geochemical sampling program confirms and refines the copper-gold anomaly between hole LJ06-09, the southernmost hole drilled to date, and the next closest hole, LJ07-19, two kilometres to the north. Results of the 2008 program continue to provide favourable indicators towards the existence of a potentially large scale, bulk-tonnage copper-gold system at Lucky Joe.

The Ryan's Creek Trend has many similarities to the original Lucky Joe prospect drilled by Silver Standard and Riocanex, except that it appears, at least locally, to have higher gold values. Despite the lack of outcrop exposure, exploration for this style of mineralization responds well to a combination of geophysical surveys, including magnetics and induced polarization (IP), and soil geochemistry.

Given the success of the short 2008 program, we recommend a detailed geologic mapping, magnetic and IP surveys and a soil geochemical program to fill in the remaining area between holes LJ06-09 and LJ07-19, with a line spacing of 100m. This survey, combined with the results of earlier work, would define high priority targets for a minimum 6-hole, 1200 metre diamond drilling program to further test this trend.

8.0 STATEMENT OF COSTS

Exploration Work type	Comment	Days			Totals
Labour Costs		**Days**	**Rate**	**Subtotal***	
Joanna Hodge, Senior Project Geologist		9.0	$450.00	$4,050.00	
Scott Kingston, Geological Assistant		9.0	$325.00	$2,925.00	
				$6,975.00	**$6,975.00**
Office Studies	**List Personnel**				
Report preparation	Joanna Hodge, Gerry Carlson			$2,500.00	
				$2,500.00	**$2,500.00**
Analytical Costs	**Number of Samples**	**No.**	**Rate**	**Subtotal**	
Soil Samples	136 soil samples	136.0	$20.85	$2,835.00	
				$2,835.00	**$2,835.00**
Contract Labour		**No.**	**Rate**	**Subtotal**	
Ryanwood Exploration	Soil Sampling			$2,696.00	
				$2,696.00	**$2,696.00**
Transportation		**No.**	**Rate**	**Subtotal**	
Vehicle Expenses		9.00	$95.00	$855.00	
Travel	Whitehorse-Dawson-Whitehorse	1094.00	$0.61	$667.34	
Helicopter	Fireweed Helicopters			$7,566.16	
				$9,088.50	**$9,088.50**
Accommodation & Food		**No.**	**Rate**	**Subtotal**	
Room and Board	Person Days	24.00	$35.00	$840.00	
				$840.00	**$840.00**
Miscellaneous					
Freight	Kluane Freight Lines			55.28	
Satellite Phone		9.00	$25.00	$225.00	
				$280.28	**$280.28**
TOTAL Expenditures					**$25,214.78**

9.0 STATEMENT OF QUALIFICATIONS

I, Joanna Lynette Hodge, do hereby declare that;

1. I am currently employed as Senior Project Geologist for Copper Ridge Explorations Inc. of 500 - 625 Howe Street Vancouver, British Columbia V6C 2T6.
2. I graduated with a Bachelor of Science degree from the University of Auckland in 1995 and a Master of Science degree with First Class Honours from the University of Auckland in 1997.
3. I have worked as a geologist for a total of 8 years since graduation from University, and during completion of my PhD thesis for an additional 4 years on a part-time basis.
4. I am not aware of any material fact or material change with respect to the subject matter of this report, the omission to disclose which makes this report misleading.
5. I am not independent of the issuer applying all tests in Section 1.5 of NI 43-101 in that I am an employee of Copper Ridge Explorations Inc and hold options in the Company.

Dated at Vancouver B.C. this 29thth day of January, 2008

Joanna L Hodge, BSc, MSc (Hons)

I, Gerald G. Carlson, hereby certify that:

1. I am a consulting mineral exploration geologist and President of Copper Ridge Explorations Inc., 500 – 625 Howe Street, Vancouver, B.C. V6C 2T6.

2. I am a graduate of the University of Toronto, with a degree in Geological Engineering (B.A.Sc., 1969). I attended graduate school at Michigan Technological University (M.Sc., 1974) and Dartmouth College (Ph.D., 1978). I have been involved in geological mapping, mineral exploration and the management of mineral exploration companies continuously since 1969, with the exception of time between 1972 and 1978 for graduate studies in economic geology.

3. I am a member in good standing of the Association of Professional Engineers and Geoscientists of the Province of British Columbia, Registration No. 12513 and of the Association of Professional Engineers of Yukon, Registration No. 0198.

4. I am the author of this report on the Lucky Joe Project, Report on the 2008 Soil Geochemical Program. The report is based on a literature review, on private company reports and on the 2008 work program.

5. I am a Director, President and CEO of Copper Ridge Explorations Inc., and I own shares in the company.

6. I was personally involved in the planning and interpretation of the exploration programs discussed in this report.

Dated at Vancouver, B.C. this 29th day of January, 2009,

Gerald G. Carlson, Ph.D., P. Eng.

10.0 REFERENCES

Bostock, H.S., 1942. Ogilvie, Yukon Territory; Geological Survey of Canada, Map 711A, scale 1:250,000.

Carlson, Gerald G., 2006. Lucky Joe Assessment Report – 2005 Diamond Drill Program, 27 p.

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McClintock, J., 1976. Geology and Diamond Drilling 1976 Lucky Joe Option Yukon: Riocanex Bound Report #492, 40 p.

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Ryan J. J. and Gordey, S. P., 2002, Bedrock geology of Yukon-Tanana terrane in southern Stewart River map area, Yukon Territory: Geological Survey of Canada, Current Research 2002-A1, 11p.

Ryan J. J. and Gordey, S. P., 2004, Geology, Stewart River Area (Parts of 115N/1,2,7,8 and115O/2-12), Yukon Territory: Geological Survey of Canada, Open File 4641, scale 1:100,000.

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Wheeler, J.O. and McFeely, P., 1991. Tectonic assemblage map of the Canadian Cordillera and adjacent parts of the United States of America; Geological Survey of Canada, Map 1712A, scale 1:20,000,000.

APPENDIX I
LUCKY JOE CLAIMS

Grant Number	Claim Name	Claim Number	Claim Expiry Date
Y 56956-Y 56961	B No.	1-4	31-Mar-21
Y 99884	Ash	2	31-Mar-21
Y 99886	Ash	4	31-Mar-21
YA29800	Tar	1	31-Mar-21
YC20828 - YC20831	Lucky Joe	1-4	31-Mar-18
YC20832 - YC20839	Lucky Joe	5 - 12	31-Mar-15
YC20840 - YC20845	Lucky Joe	13 - 18	31-Mar-18
YC20846 - YC20847	Lucky Joe	19 - 20	31-Mar-15
YC20848 - YC20875	Lucky Joe	21 - 48	31-Mar-11
YC21084 - YC21093	Lucky	1 - 10	31-Mar-17
YC21094 - YC21095	Lucky	11 - 12	31-Mar-21
YC21232 - YC2138	LJ	1 - 7	31-Mar-20
YC21239	LJ	8	31-Mar-21
YC21240 - YC21252	LJ	9 - 21	31-Mar-20
YC21253 - YC21267	LJ	22 - 36	31-Mar-21
YC21268 - YC 21279	LJ	37 - 48	31-Mar-16
YC21280 - YC21289	LJ	49 - 58	31-Mar-15
YC21290 - YC21307	LJ	59-76	31-Mar-16
YC21308 - YC21327	LJ	77 - 96	31-Mar-20
YC21328 - 21339	LJ	97 - 108	31-Mar-16
YC21340 - YC21349	LJ	109 - 118	31-Mar-21
YC21351 - YC21357	LJ	120 - 126	31-Mar-15
YC21358 - YC21371	LJ	127 - 140	31-Mar-16
YC21372 - YC21373	LJ	141 - 142	31-Mar-21
YC21374	LJ	143	31-Mar-20
YC21375 - YC21377	LJ	144 - 146	31-Mar-21
YC21378 - YC21387	LJ	147 - 156	31-Mar-20
YC21388 - YC21399	LJ	157 - 168	31-Mar-16
YC21400 - YC21407	LJ	229 - 236	31-Mar-21
YC21408	LJ	237	31-Mar-21
YC21409	LJ	238	31-Mar-19
YC21410	LJ	239	31-Mar-17
YC21411	LJ	240	31-Mar-15
YC21412	LJ	241	31-Mar-16
YC21413	LJ	242	31-Mar-15
YC21414	LJ	243	31-Mar-16
YC21415	LJ	244	31-Mar-15
YC21416	LJ	245 - 246	31-Mar-16
YC21418 - YC21419	LJ	247 - 248	31-Mar-15
YC21420 - YC21425	LJ	249 - 255	31-Mar-16
YC21426 - YC21434	LJ	255 - 263	31-Mar-22
YC21435	LJ	264	31-Mar-21
YC21436	LJ	265	31-Mar-20

Grant Number	Claim Name	Claim Number	Claim Expiry Date
YC21437	LJ	266	31-Mar-21
YC21438 - YC21441	LJ	267 - 270	31-Mar-17
YC21472	LJ	169	31-Mar-20
YC21473	LJ	170	31-Mar-21
YC21474 - YC21483	LJ	171 - 181	31-Mar-20
YC21484 - YC21499	LJ	181 - 196	31-Mar-22
YC21500	LJ	197	31-Mar-16
YC21501	LJ	198	31-Mar-17
YC21502	LJ	199	31-Mar-16
YC21503	LJ	200	31-Mar-17
YC21504 - YC21507	LJ	201 - 204	31-Mar-16
YC21508 - YC21519	LJ	205 - 216	31-Mar-20
YC21520 - YC21531	LJ	217 - 228	31-Mar-16
YC21906 - YC21919	LJ	271 - 284	31-Mar-16
YC21920 - YC21927	LJ	333 - 340	31-Mar-16
YC21928	LJ	381	31-Mar-16
YC21929 - YC21931	LJ	382 - 384	31-Mar-15
YC22074 - YC22079	LJ	285 - 290	31-Mar-16
YC22080 - YC22081	LJ	291 - 292	31-Mar-15
YC22082	LJ	293	31-Mar-17
YC22083	LJ	294	31-Mar-15
YC22084 - YC22085	LJ	295 - 296	31-Mar-17
YC22086	LJ	297	31-Mar-21
YC22087	LJ	298	31-Mar-21
YC22088	LJ	299	31-Mar-21
YC22089	LJ	300	31-Mar-21
YC22090	LJ	301	31-Mar-21
YC22091	LJ	302	31-Mar-21
YC22092	LJ	303	31-Mar-21
YC22093	LJ	304	31-Mar-21
YC22094	LJ	305	31-Mar-21
YC22095	LJ	306	31-Mar-21
YC22096	LJ	307	31-Mar-21
YC22097	LJ	308	31-Mar-21
YC22098	LJ	309	31-Mar-21
YC22099	LJ	310	31-Mar-21
YC22100	LJ	311	31-Mar-21
YC22101	LJ	312	31-Mar-21
YC22102	LJ	313	31-Mar-21
YC22103	LJ	314	31-Mar-21
YC22104	LJ	315	31-Mar-21
YC22105	LJ	316	31-Mar-21
YC22106	LJ	317	31-Mar-21
YC22107	LJ	318	31-Mar-21
YC22108	LJ	319	31-Mar-21

Grant Number	Claim Name	Claim Number	Claim Expiry Date
YC22109	LJ	320	31-Mar-21
YC22110	LJ	321	31-Mar-21
YC22111	LJ	322	31-Mar-21
YC22112	LJ	323	31-Mar-21
YC22113	LJ	324	31-Mar-21
YC22114	LJ	325	31-Mar-21
YC22115	LJ	326	31-Mar-21
YC22116	LJ	327	31-Mar-21
YC22117	LJ	328	31-Mar-21
YC22118	LJ	329	31-Mar-16
YC22119	LJ	330	31-Mar-17
YC22120	LJ	331	31-Mar-16
YC22121	LJ	332	31-Mar-17
YC22122 - YC22157	LJ	341 - 376	31-Mar-21
YC22158 - YC22161	LJ	377 - 380	31-Mar-17
YC22162 - YC22195	LJ	385 - 418	31-Mar-21
YC22196 - YC22199	LJ	419 - 422	31-Mar-17
YC22200 - YC22205	LJ	423 - 428	31-Mar-21
YC22206 - YCC22210	LJ	429 - 434	31-Mar-15
YC22211	LJ	434	31-Mar-21
YC22212	LJ	435	31-Mar-15
YC22213	LJ	436	31-Mar-17
YC22214	LJ	437	31-Mar-21
YC22215	LJ	438	31-Mar-17
YC22216 - YCC22217	LJ	439 - 440	31-Mar-15
YC22218	LJ	441	31-Mar-16
YC28403 - YCC28432	LJ	442 - 473	31-Mar-15
YC28433	LJ	474	31-Mar-11
YC28434 - YC28436	LJ	475 - 477	31-Mar-15
YC28437	LJ	478	31-Mar-11
YC28438	LJ	479	31-Mar-15
YC28439 - YC28441	LJ	480 - 482	31-Mar-11
YC28442	LJ	483	31-Mar-15

APPENDIX II
SOIL GEOCHEMISTRY

Sample No	Northing	Easting	Colour	Slope	Depth	Quality	Horizon	Vegetation	Cover	Note 1	Note 2	Note 3	Sample Type
28404	7047628	571887	Reddish Brown	Pronounced Slope	50	Good	B	Birch Forest	Leaf Cover	Coarse			
28405	7047636	571910	Reddish Brown	Pronounced Slope	50	Good	B	Birch Forest	Leaf Cover	Coarse			
28406	7047647	571934	Reddish Brown	Pronounced Slope	50	Good	B	Birch Forest	Leaf Cover	Coarse			
31026	7048118	571781	Reddish Yellow	Subtle Slope	70	Excellent	B	Birch Forest	Leaf Cover	Fine			
31027	7048127	571804	Chocolate Brown	Subtle Slope	60	Excellent	B	Birch Forest	Leaf Cover	Fine			
31028	7048137	571828	Chocolate Brown	Subtle Slope	60	Excellent	B	Birch Forest	Leaf Cover	Fine	Quartz Chips		
31029	7048145	571851	Chocolate Brown	Subtle Slope	100	Excellent	B	Birch Forest	Leaf Cover	Fine	Sand		
31030	7048156	571874	Chocolate Brown	Pronounced Slope	80	Excellent	B	Birch Forest	Leaf Cover	Fine	Sand		
31032	7048162	571899	Reddish Yellow	Pronounced Slope	70	Excellent	B	Birch Forest	Leaf Cover	Fine			
31033	7048172	571921	Reddish Brown	Pronounced Slope	80	Good	B	Birch Forest	Leaf Cover	Fine	Rocky		
31034	7048182	571945	Chocolate Brown	Subtle Slope	50	Good	B	Birch Forest	Sphagnum Moss < 30cm	Fine	Wet Soil	Rocky	
31035	7048191	571968	Dark Brown	Subtle Slope	40	Good	B	Black Spruce	Sphagnum Moss < 30cm	Fine	Quartz Chips	Wet Soil	
31036	7048198	571991	Dark Brown	Flat	30	Good	B	Black Spruce	Sphagnum Moss < 30cm	Fine	Wet Soil	Partially Frozen	
31037	7048227	572061	Dark Brown	Flat	30	Poor	B	Birch Forest	Sphagnum Moss < 30cm	Fine	Frozen	Wet Soil	
31038	7048237	572087	Dark Brown	Flat	60	Good	B	Birch Forest	Grass Cover	Fine	Wet Soil		
31039	7048244	572107	Dark Brown	Flat	30	Good	B	Birch Forest	Leaf Cover	Fine			
31040	7048252	572133	Dark Brown	Pronounced Slope	30	Good	B	Birch Forest	Leaf Cover	Fine	Rocky		
31041	7048261	572157	Dark Brown	Pronounced Slope	30	Good	B	Birch Forest	Leaf Cover	Fine			
31042	7048272	572180	Reddish Brown	Pronounced Slope	70	Good	B	Birch Forest	Leaf Cover	Fine			
31043	7047350	571742	Dark Brown	Pronounced Slope	60	Excellent	B	Birch Forest	Sphagnum Moss < 30cm	Fine	Wet Soil		
31044	7047358	571754	Reddish Brown	Pronounced Slope	60	Good	B	Black Spruce	Needle Cover	Fine	Mud		
31045	7047365	571778	Reddish Brown	Pronounced Slope	50	Excellent	B	Thick Dense Pine	Leaf Cover	Fine	Sand		
31046	7047373	571802	Dark Brown	Pronounced Slope	60	Good	B	Thick Dense Pine	Sphagnum Moss < 30cm	Fine	Quartz Chips		
31047	7047383	571823	Dark Brown	Pronounced Slope	70	Good	B	Thick Dense Pine	Leaf Cover	Fine			
31048	7047393	571848	Reddish Brown	Pronounced Slope	70	Excellent	B	White Spruce	Sphagnum Moss < 30cm	Fine			
31049	7047402	571870	Reddish Brown	Pronounced Slope	50	Good	B	White Spruce	Thin Moss Cover	Fine			
31050	7048083	571688	Chocolate Brown	Subtle Slope	60	Excellent	B	Poplar	Leaf Cover	Fine	Rocky	Sand	DUPLICATE
31051	7047411	571894	Reddish Brown	Pronounced Slope	40	Excellent	B	White Spruce	Thin Moss Cover	Fine	Rocky		
31052	7047421	571919	Chocolate Brown	Pronounced Slope	60	Excellent	B	White Spruce	Reindeer Moss	Fine	Rocky		
31053	7047429	571940	Chocolate Brown	Pronounced Slope	60	Poor	B	Thick Dense Pine	Sphagnum Moss < 30cm	Fine	Loess	Quartz Chips	
31054	7047440	571966	Bluish Grey	Pronounced Slope	90	Excellent	B	Birch Forest	Leaf Cover	Fine	Quartz Chips		
31055	7047448	571988	Chocolate Brown	Pronounced Slope	70	Poor	B	Birch Forest	Leaf Cover	Fine	Loess		
31056	7047455	572011	Chocolate Brown	Subtle Slope	80	Excellent	B	Birch Forest	Leaf Cover	Fine	Rocky		
31057	7047465	572037	Reddish Brown	Subtle Slope	80	Excellent	B	Birch Forest	Leaf Cover	Fine			
31058	7047475	572058	Reddish Orange	Subtle Slope	80	Excellent	B	Birch Forest	Leaf Cover	Fine	Sand	Quartz Chips	
31059	7047483	572081	Bluish Grey	Subtle Slope	90	Excellent	B	Birch Forest	Leaf Cover	Fine			
31060	7047495	572102	Dark Brown	Subtle Slope	70	Excellent	B	Birch Forest	Leaf Cover	Fine			
31061	7047504	572127	Chocolate Brown	Subtle Slope	70	Good	B	Birch Forest	Leaf Cover	Fine	Sand		
31062	7047510	572149	Chocolate Brown	Pronounced Slope	40	Excellent	B	Birch Forest	Leaf Cover	Fine	Sand	Wet Soil	
31063	7047063	572175	Dark Brown	Pronounced Slope	50	Good	B	Black Spruce	Sphagnum Moss < 30cm	Fine	Coarse	Rocky	Wet Soil
31064	7047531	572196	Chocolate Brown	Subtle Slope	70	Excellent	B	Black Spruce	Reindeer Moss	Fine	Mud		
31065	7047575	572315	Dark Brown	Flat	50	Poor	B	Spruce Bog	Sphagnum Moss > 30cm	Fine	Mud	Partially Frozen	Rocky
31066	7047583	572338	Reddish Brown	Subtle Slope	70	Excellent	B	Spruce Bog	Moss Mat	Fine	Mud		
31067	7047592	572361	Chocolate Brown	Pronounced Slope	90	Good	B	Birch Forest	Leaf Cover	Fine	Loess	Quartz Chips	
31068	7047601	572383	Chocolate Brown	Pronounced Slope	110	Good	B	Birch Forest	Leaf Cover	Fine	Small Sample	Quartz Chips	
31069	7047611	572408	Dark Brown	Pronounced Slope	60	Good	B	Birch Forest	Leaf Cover	Fine	Rocky		
31070	7047622	572430	Chocolate Brown	Pronounced Slope	60	Excellent	B	Birch Forest	Leaf Cover	Fine	Rocky	Sand	
31071	7046852	571899	Dark Brown	Subtle Slope	50	Good	B	Birch Forest	Sphagnum Moss < 30cm	Fine	Wet Soil	Mud	
31072	7046860	571916	Reddish Brown	Subtle Slope	50	Good	B	White Spruce	Sphagnum Moss < 30cm	Fine	Wet Soil	Rocky	
31073	7046868	571938	Dark Brown	Pronounced Slope	30	Good	B	White Spruce	Sphagnum Moss < 30cm	Fine	Wet Soil		
31074	7046879	571961	Chocolate Brown	Steep	80	Excellent	B	White Spruce	Sphagnum Moss < 30cm	Fine	Wet Soil		
31075	7046889	571985	Chocolate Brown	Steep	80	Excellent	B	White Spruce	Sphagnum Moss < 30cm	Fine	Sand		
31076	7046898	572007	Chocolate Brown	Steep	80	Excellent	B	White Spruce	Sphagnum Moss < 30cm	Fine	Sand		
31077	7046907	572031	Chocolate Brown	Steep	90	Excellent	B	White Spruce	Sphagnum Moss < 30cm	Fine	Rocky	Sand	
31078	7046916	572054	Dark Brown	Subtle Slope	80	Poor	B	White Spruce	Sphagnum Moss < 30cm	Fine	Wet Soil		
31079	7047455	572010	Chocolate Brown	Subtle Slope	80	Excellent	B	Birch Forest	Leaf Cover	Fine	Rocky	DUPLICATE	
31080	7047655	571957	Reddish Brown	Pronounced Slope	70	Good	B	Birch Forest	Leaf Cover	Coarse			
31081	7047666	571979	Reddish Brown	Pronounced Slope	60	Good	B	Birch Forest	Leaf Cover	Coarse			

Sample No	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
28404	0.7	24.1	5.2	50	<0.1	16.2	8.6	242	2.84	6.5	0.4	3.6	1.9	28	<0.1	0.3	<0.1	83	0.32	0.035	8	29	0.65	97	0.127	1	1.99	0.015	0.08	<0.1	<0.01	3.8	<0.1	<0.05	7	<0.5
28405	1.1	29.0	3.7	69	<0.1	17.5	16.1	499	4.01	4.0	0.5	<0.5	1.8	39	<0.1	0.2	<0.1	92	0.68	0.117	9	34	1.09	309	0.116	<1	2.60	0.015	0.13	<0.1	<0.01	6.8	<0.1	<0.05	9	<0.5
28406	0.8	20.0	5.5	59	<0.1	14.7	9.4	251	2.89	5.7	0.4	1.0	1.9	28	<0.1	0.3	<0.1	81	0.33	0.038	8	28	0.65	171	0.106	<1	2.02	0.013	0.06	0.1	0.01	4.0	<0.1	<0.05	7	<0.5
31026	1.2	56.4	6.6	157	<0.1	11.0	39.2	845	7.48	2.8	0.8	3.9	1.9	73	<0.1	0.1	0.2	219	0.96	0.076	10	8	1.58	197	0.140	<1	3.77	0.068	0.11	<0.1	0.02	18.0	<0.1	0.14	13	1.2
31027	1.6	61.1	5.0	99	<0.1	31.7	17.1	492	4.55	2.7	0.6	1.7	2.1	61	0.2	0.2	0.2	124	0.68	0.056	10	79	1.25	220	0.129	1	2.50	0.044	0.13	<0.1	0.02	11.8	<0.1	0.13	9	0.7
31028	1.0	28.7	5.1	85	<0.1	12.5	14.5	337	3.43	3.7	0.5	2.2	2.1	37	<0.1	0.2	0.1	97	0.58	0.059	10	18	0.78	131	0.118	<1	2.04	0.036	0.06	<0.1	<0.01	7.0	<0.1	<0.05	7	<0.5
31029	1.8	50.2	14.3	137	0.2	21.8	6.3	232	2.73	0.7	1.9	<0.5	8.1	17	0.2	<0.1	0.2	86	0.29	0.052	31	42	1.02	275	0.106	<1	1.67	0.013	0.46	<0.1	<0.01	3.3	0.4	0.18	6	0.7
31030	15.8	1515.6	11.1	163	0.7	69.2	19.7	475	3.19	3.7	2.5	34.1	7.2	23	0.5	0.1	3.7	94	0.45	0.081	57	58	1.45	330	0.128	<1	2.05	0.017	0.47	<0.1	<0.01	6.0	0.3	0.06	7	2.3
31032	5.4	318.9	8.0	91	0.4	11.6	6.1	310	4.16	3.4	2.6	11.0	13.8	50	0.1	0.2	0.7	37	0.32	0.042	30	15	0.63	301	0.101	<1	1.70	0.024	0.46	<0.1	0.02	3.7	0.3	0.25	6	2.0
31033	4.4	336.0	8.9	112	0.3	18.0	11.2	383	3.67	2.4	2.2	19.2	9.0	41	0.2	0.2	0.9	50	0.52	0.047	28	30	0.92	221	0.120	<1	2.16	0.015	0.38	<0.1	0.01	3.9	0.2	<0.05	8	<0.5
31034	5.1	446.6	7.2	76	0.4	21.3	8.4	201	3.32	4.7	1.4	20.4	4.3	29	0.2	0.2	0.8	51	0.34	0.047	17	27	0.69	174	0.085	1	1.74	0.013	0.14	<0.1	0.02	3.7	0.1	<0.05	6	0.5
31035	2.9	340.5	7.4	91	0.3	19.2	9.2	246	3.38	3.2	1.8	39.7	5.6	46	0.2	0.2	0.5	58	0.54	0.048	21	26	0.66	191	0.115	<1	1.83	0.016	0.25	0.1	0.01	4.6	0.1	<0.05	7	0.6
31036	3.2	249.0	8.6	85	0.3	19.3	11.5	278	3.57	5.1	2.2	19.8	4.6	36	0.2	0.3	0.5	58	0.44	0.059	19	25	0.64	218	0.095	<1	1.90	0.017	0.13	0.2	0.05	4.7	0.1	<0.05	6	<0.5
31037	1.6	35.3	4.2	61	0.1	11.0	15.4	564	4.89	5.1	1.1	1.9	1.7	29	0.2	0.2	<0.1	75	0.59	0.114	11	15	0.54	208	0.078	<1	1.44	0.026	0.19	0.1	0.04	5.3	<0.1	<0.05	6	0.7
31038	0.8	36.5	4.5	66	0.1	13.4	13.3	361	3.73	3.1	0.8	2.1	2.1	29	<0.1	0.1	<0.1	75	0.56	0.087	11	18	0.68	213	0.100	1	1.67	0.022	0.23	<0.1	0.03	5.2	<0.1	<0.05	7	<0.5
31039	0.8	38.4	3.9	65	<0.1	9.9	20.4	662	4.02	2.8	0.7	<0.5	1.8	27	<0.1	0.1	<0.1	72	0.56	0.103	9	17	0.64	173	0.098	1	1.47	0.025	0.28	<0.1	<0.01	5.0	<0.1	<0.05	6	<0.5
31040	0.5	28.9	3.7	59	<0.1	11.9	12.1	227	3.30	3.0	0.4	0.5	1.7	16	<0.1	0.1	<0.1	62	0.54	0.078	8	31	0.67	136	0.098	<1	1.42	0.028	0.14	<0.1	<0.01	4.6	<0.1	<0.05	6	<0.5
31041	0.6	31.2	3.6	57	<0.1	15.1	12.2	189	3.84	1.9	0.4	1.3	2.0	17	<0.1	0.2	<0.1	68	0.49	0.083	11	34	0.70	143	0.123	<1	1.66	0.027	0.15	0.1	0.01	4.2	<0.1	<0.05	8	<0.5
31042	0.8	47.2	2.8	91	<0.1	15.8	20.8	378	5.94	1.5	0.5	<0.5	3.1	19	<0.1	0.1	<0.1	103	0.70	0.139	13	28	1.24	240	0.143	<1	2.27	0.030	0.33	<0.1	<0.01	7.7	0.1	<0.05	11	<0.5
31043	0.7	37.2	5.7	87	<0.1	22.3	10.4	555	3.72	7.3	0.6	3.6	3.4	28	0.1	0.5	0.1	58	0.56	0.044	16	24	0.63	248	0.105	2	1.63	0.016	0.17	0.2	0.05	6.8	<0.1	<0.05	6	<0.5
31044	1.0	18.3	6.6	97	<0.1	18.3	10.7	601	4.35	6.9	0.6	<0.5	3.0	21	0.1	0.4	0.1	67	0.36	0.037	11	26	0.67	181	0.109	<1	1.96	0.012	0.30	0.2	0.02	5.7	0.1	<0.05	7	<0.5
31045	0.7	21.5	3.0	199	<0.1	11.7	10.6	1380	5.10	3.4	0.7	2.7	3.4	22	0.4	0.3	<0.1	51	0.43	0.071	23	9	1.08	207	0.205	<1	2.01	0.008	0.88	<0.1	0.03	8.6	0.2	<0.05	10	0.7
31046	0.8	31.6	6.1	93	0.1	20.2	9.2	529	3.17	7.4	0.8	5.8	2.9	41	0.2	0.4	0.1	46	0.87	0.063	14	18	0.62	270	0.086	1	1.46	0.020	0.22	0.2	0.02	4.2	<0.1	<0.05	5	<0.5
31047	0.6	31.3	6.5	97	<0.1	24.1	11.0	745	3.51	8.3	0.5	4.2	2.6	34	0.1	0.4	0.1	55	0.64	0.066	14	23	0.71	269	0.079	1	1.52	0.026	0.15	0.2	0.03	5.2	<0.1	<0.05	6	<0.5
31048	0.6	31.7	5.1	126	<0.1	17.1	7.3	1011	5.12	3.8	0.7	3.7	3.5	15	<0.1	0.3	<0.1	47	0.38	0.069	26	9	0.84	158	0.120	<1	1.94	0.008	0.38	0.1	0.02	13.2	0.1	<0.05	11	0.7
31049	0.6	34.7	4.2	127	<0.1	17.3	14.9	987	5.84	4.7	0.5	<0.5	2.3	16	<0.1	0.3	<0.1	74	0.37	0.067	9	18	1.26	254	0.215	<1	2.60	0.012	0.97	<0.1	0.02	8.2	0.3	<0.05	11	<0.5
31050	1.0	30.2	7.3	174	<0.1	17.3	6.1	1341	5.42	4.0	0.9	<0.5	2.1	27	0.3	0.3	<0.1	24	0.43	0.052	11	10	0.90	162	0.261	<1	2.39	0.011	1.12	<0.1	0.01	12.6	0.3	<0.05	14	<0.5
31051	0.7	22.3	4.5	109	<0.1	11.7	12.9	820	5.39	5.3	0.3	<0.5	1.8	16	<0.1	0.2	<0.1	68	0.27	0.029	4	15	1.09	238	0.207	<1	2.66	0.010	0.68	0.1	<0.01	5.4	0.2	<0.05	10	0.6
31052	0.5	40.0	5.6	117	<0.1	18.9	11.9	954	5.41	5.5	0.5	3.2	2.1	48	0.1	0.3	<0.1	72	0.52	0.058	15	17	1.06	262	0.122	<1	2.69	0.017	0.45	<0.1	0.04	9.8	0.2	<0.05	13	<0.5
31053	0.6	27.8	6.5	69	<0.1	25.8	10.9	448	3.90	9.4	0.7	10.7	3.2	25	<0.1	0.5	0.1	65	0.43	0.086	13	31	0.68	217	0.097	<1	1.64	0.026	0.12	0.2	0.03	6.1	<0.1	<0.05	6	0.5
31054	0.3	21.0	1.7	40	<0.1	28.2	12.7	301	1.73	1.8	0.2	1.4	0.9	126	<0.1	0.1	<0.1	27	0.59	0.045	4	44	1.29	107	0.062	<1	1.87	0.043	0.05	<0.1	0.01	3.0	<0.1	<0.05	4	<0.5
31055	0.7	40.5	7.1	59	<0.1	29.0	10.0	398	3.41	9.5	1.4	7.4	3.7	27	<0.1	0.7	0.1	57	0.41	0.036	15	35	0.58	286	0.091	<1	1.57	0.028	0.07	0.2	0.04	5.7	<0.1	<0.05	5	0.5
31056	3.4	83.9	2.9	45	<0.1	17.3	12.1	430	7.20	1.0	0.6	2.4	1.1	99	<0.1	<0.1	0.3	130	0.44	0.042	6	18	1.44	120	0.068	1	2.40	0.070	0.08	<0.1	0.02	12.9	<0.1	0.17	8	1.7
31057	1.8	65.1	2.8	61	<0.1	8.1	18.5	331	7.09	1.5	1.0	1.0	1.0	80	<0.1	<0.1	0.2	116	0.60	0.151	8	5	1.00	205	0.107	<1	2.23	0.064	0.12	<0.1	<0.01	7.7	<0.1	0.21	8	1.4
31058	2.7	52.7	5.6	193	<0.1	8.0	22.7	464	6.51	2.5	1.1	1.9	1.9	58	<0.1	0.1	0.2	101	0.55	0.063	9	4	0.99	198	0.161	1	2.46	0.037	0.35	<0.1	0.01	11.4	<0.1	0.13	11	1.8
31059	1.1	42.8	3.3	77	<0.1	15.3	23.6	405	5.06	1.8	0.4	2.0	0.8	46	0.1	0.1	<0.1	141	0.68	0.061	4	68	1.05	253	0.195	1	1.94	0.031	0.40	<0.1	0.01	9.3	0.2	<0.05	8	0.6
31060	1.1	98.2	30.0	199	<0.1	12.6	17.9	404	5.35	2.8	0.6	<0.5	1.6	57	0.6	0.2	0.1	149	1.01	0.072	8	42	1.14	206	0.198	<1	2.73	0.034	0.34	<0.1	0.02	9.0	0.2	<0.05	9	1.4
31061	1.6	57.2	21.4	178	<0.1	31.2	20.1	369	4.85	2.2	1.4	<0.5	6.9	84	0.3	0.1	0.2	95	0.59	0.091	17	70	1.27	429	0.238	<1	2.79	0.018	0.76	<0.1	<0.01	6.8	0.5	<0.05	9	0.8
31062	6.4	339.9	19.3	106	0.3	22.9	12.8	292	4.30	4.8	1.3	89.3	5.0	42	0.3	0.3	2.4	90	0.41	0.070	22	37	0.98	277	0.138	1	2.14	0.019	0.31	<0.1	<0.01	4.0	0.2	0.14	7	1.1
31063	2.7	107.2	10.5	79	0.1	14.4	12.8	283	3.73	3.7	0.8	4.0	4.7	52	0.1	0.2	0.4	70	0.51	0.060	13	26	0.67	209	0.123	<1	2.00	0.023	0.19	0.2	0.01	3.9	0.1	0.10	7	1.2
31064	2.3	93.1	7.7	78	0.1	18.8	13.6	270	4.07	5.3	1.2	4.0	3.6	39	0.1	0.3	0.3	77	0.52	0.055	13	33	0.80	240	0.126	1	2.03	0.022	0.12	0.1	0.02	5.4	0.1	<0.05	7	<0.5
31065	1.6	28.7	5.4	95	<0.1	20.5	18.7	888	4.55	5.8	1.4	2.7	2.0	63	<0.1	0.4	<0.1	106	1.04	0.082	9	28	0.82	208	0.162	2	2.30	0.034	0.06	0.2	0.03	8.0	<0.1	<0.05	8	<0.5
31066	1.5	46.9	5.5	112	<0.1	14.5	23.1	758	6.71	3.6	4.3	2.3	1.1	157	0.2	0.3	<0.1	179	1.97	0.096	8	25	1.26	77	0.329	1	4.05	0.027	0.05	0.2	0.09	13.2	<0.1	<0.05	15	0.9
31067	0.9	49.5	5.9	220	<0.1	25.3	31.0	1193	5.70	3.7	0.4	0.7	1.1	108	0.5	0.4	<0.1	136	1.91	0.116	6	60	1.03	189	0.141	<1	3.06	0.055	0.06	0.2	0.03	11.0	<0.1	<0.05	10	<0.5
31068	1.0	58.8	4.7	153	<0.1	21.9	27.0	1066	5.58	3.5	0.4	1.1	1.1	66	0.2	0.4	<0.1	162	1.34	0.131	6	26	1.11	168	0.076	<1	2.09	0.049	0.06	0.1	0.01	9.3	<0.1	<0.05	10	<0.5
31069	0.5	33.3	4.7	100	<0.1	14.9	12.6	333	3.19	4.2	0.5	1.2	2.1	29	<0.1	0.4	<0.1	84	0.57	0.071	10	23	0.67	103	0.088	<1	1.57	0.038	0.05	<0.1	0.01	6.5	<0.1	<0.05	6	<0.5
31070	0.4	49.8	3.0	106	<0.1	10.1	16.5	444	4.07	1.4	0.3	<0.5	0.8	31	0.2	0.2	<0.1	107	0.83	0.157	5	8	0.81	115	0.089	<1	1.70	0.040	0.08	<0.1	<0.01	7.0	<0.1	<0.05	8	<0.5
31071	0.7	34.1	17.4	136	0.1	19.2	12.1	802	3.66	5.3	0.5	3.6	2.1	56	0.6	0.4	<0.1	73	1.07	0.082	10	21	0.88	182	0.127	2	2.10	0.018	0.33	0.2	0.05	4.4	0.1	<0.05	7	<0.5
31072	0.7	18.4	6.8	117	<0.1	15.1	8.5	381	3.11	4.8	0.5	2.3	3.0	54	0.1	0.3	0.1	63	0.97	0.031	9	20	0.77	153	0.111	1	2.44	0.014	0.12	0.2	0.02	3.9	<0.1	<0.05	10	<0.5
31073	0.8	48.8	6.4	226	<0.1	19.4	14.5	871	4.73	6.5	0.4	2.6	1.8	63	0.3	0.4	<0.1	106	0.81	0.091	6	24	1.39	236	0.204	<1	2.61	0.017	0.34	0.2	0.04	7.2	0.1	<0.05	11	<0.5
31074	1.1	40.0	6.4	213	<0.1	21.5	8.0	723	3.67	8.9	0.8	5.1	3.5	66	0.2	0.6	0.1	49	0.52	0.058	20	34	0.82	156	0.093	<1	2.03	0.016	0.23	0.2	0.14	7.4	0.1	<0.05	9	<0.5
31075	0.7	45.9	6.1	86	<0.1	30.2	10.4	510	3.26	9.6	0.4	8.6	4.0	36	<0.1	0.6	0.1	60	0.48	0.044	17	24	0.81	251	0.093	<1	1.66	0.024	0.17	0.2	0.03	4.7	<0.1	<0.05	6	<0.5
31076	0.3	23.3	3.3	165	<0.1	11.5	15.2	784	5.31	6.2	0.3	1.4	1.4	44	<0.1	0.3	<0.1	118	0.90	0.189	8	8	1.49	285	0.193	<1	2.30	0.018	0.83	0.1	0.06	11.3	0.2	<0.05	12	<0.5
31077	0.6	31.1	4.9	94	<0.1	32.6	13.2	777	3.86	6.3	0.6	4.7	3.6	32	<0.1	0.4	<0.1	68	0.58	0.053	19	66	1.29	190	0.144	<1	2.13	0.017	0.36	0.2	0.07	5.5	0.2	<0.05	8	<0.5
31078	0.8	30.7	7.2	61	<0.1	24.1	8.9	571	2.58	9.4	0.6	4.3	2.8	39	0.1	0.6	0.1	51	0.72	0.073	15	25	0.57	242	0.071	2	1.30	0.025	0.12	0.2	0.04	3.4	<0.1	<0.05	4	<0.5
31079	2.6	82.4	3.3	49	<0.1	17.7	11.2	450	6.31	1.3	0.7	3.2	1.3	129	<0.1	0.1	0.4	124	0.40	0.049	7	17	1.46	133	0.060	<1	2.20	0.084	0.09	<0.1	0.02	11.0	<0.1	0.24	7	2.0
31080	0.6	19.4	6.0	58	<0.1	15.8	8.9	284	3.10	5.9	0.5	0.8	2.0	30	<0.1	0.3	0.1	64	0.39	0.049	8	26	0.70	193	0.084	<1	1.83	0.015	0.04	0.1	0.01	3.8	<0.1	<0.05	7	<0.5
31081	0.7	19.1	5.0	53	<0.1	31.8	11.4	301	2.92	5.5	0.5	1.8	1.8	30	<0.1	0.3	<0.1	60	0.40	0.055	7	47	0.84	177	0.085	<1	1.78	0.014	0.05	0.2	<0.01	3.4	<0.1	<0.05	6	<0.5

Sample No	Northing	Easting	Colour	Slope	Depth	Quality	Horizon	Vegetation	Cover	Note 1	Note 2	Note 3	Sample Type
31082	7047674	572004	Reddish Brown	Pronounced Slope	40	Good	B	Birch Forest	Leaf Cover	Coarse	Rocky		
31083	7047602	571820	Reddish Brown	Pronounced Slope	60	Good	B	Birch Forest	Leaf Cover	Coarse	DUPLICATE		
31084	7047683	572026	Reddish Brown	Pronounced Slope	60	Good	B	Birch Forest	Leaf Cover	Coarse			
31085	7047691	572050	Reddish Brown	Pronounced Slope	60	Good	B	Birch Forest	Leaf Cover	Coarse			
31086	7047701	572074	Reddish Brown	Pronounced Slope	60	Good	B	Birch Forest	Leaf Cover	Coarse			
31087	7047712	572096	Dark Brown	Pronounced Slope	60	Good	B	Black Spruce	Sphagnum Moss > 30cm	Coarse	Partially Frozen		
31088	7047748	572190	Dark Brown	Pronounced Slope	60	Good	B	Birch Forest	Leaf Cover	Coarse			
31089	7047757	572213	Chocolate Brown	Pronounced Slope	60	Good	B	Birch Forest	Leaf Cover	Coarse			
31090	7047767	572235	Chocolate Brown	Pronounced Slope	60	Good	B	Birch Forest	Leaf Cover	Coarse			
31091	7048008	571495	Dark Brown	Flat	50	Good	B	Black Spruce	Sphagnum Moss < 30cm	Fine	Wet Soil		
31092	7048019	571523	Dark Brown	Flat	50	Good	B	Birch Forest	Leaf Cover	Fine	Wet Soil	Sand	
31093	7048031	571547	Reddish Brown	Flat	50	Good	B	Birch Forest	Sphagnum Moss < 30cm	Fine	Wet Soil	Sand	
31094	7048041	571569	Reddish Yellow	Pronounced Slope	30	Good	B	Poplar	Leaf Cover	Fine	Sand		
31095	7048047	571592	Reddish Yellow	Pronounced Slope	70	Good	B	Poplar	Leaf Cover	Fine	Coarse		
31096	7048055	571617	Dark Brown	Pronounced Slope	50	Good	B	Poplar	Grass Cover	Fine	Wet Soil	Rocky	
31097	7048066	571640	Dark Brown	Pronounced Slope	50	Good	B	Poplar	Leaf Cover	Fine	Rocky	Sand	Wet Soil
31098	7048075	571663	Reddish Yellow	Pronounced Slope	50	Poor	B	Poplar	Leaf Cover	Fine	Mud	Coarse	
31099	7048083	571688	Chocolate Brown	Subtle Slope	60	Excellent	B	Poplar	Leaf Cover	Fine	Rocky	Sand	
31100	7048111	571756	Dark Brown	Subtle Slope	60	Good	B	Birch Forest	Leaf Cover	Fine			
31119	7047785	571574	Chocolate Brown	Pronounced Slope	40	Good	B	Black Spruce	Sphagnum Moss < 30cm	Coarse	Partially Frozen		
31120	7047785	571582	Chocolate Brown	Pronounced Slope	40	Good	B	Black Spruce	Sphagnum Moss < 30cm	Coarse	Partially Frozen		
31121	7047795	571604	Chocolate Brown	Pronounced Slope	60	Good	B	Black Spruce	Sphagnum Moss < 30cm	Coarse	Rocky	Partially Frozen	
31122	7047803	571628	Chocolate Brown	Pronounced Slope	60	Good	B	Black Spruce	Sphagnum Moss < 30cm	Coarse	Rocky	Partially Frozen	
31123	7047821	571676	Chocolate Brown	Pronounced Slope	50	Good	B	Black Spruce	Sphagnum Moss < 30cm	Coarse	Partially Frozen		
31124	7047828	571699	Chocolate Brown	Pronounced Slope	50	Good	B	Black Spruce	Sphagnum Moss < 30cm	Coarse	Partially Frozen	Rocky	
31125	7047838	571721	Chocolate Brown	Steep	50	Good	B	Black Spruce	Sphagnum Moss < 30cm	Coarse	Rocky	Partially Frozen	
31126	7047848	571746	Chocolate Brown	Steep	60	Good	B	Black Spruce	Sphagnum Moss < 30cm	Coarse	Partially Frozen	N/A	
31127	7047859	571769	Chocolate Brown	Steep	50	Good	B	Black Spruce	Reindeer Moss	Coarse	Rocky		
31128	7047865	571792	Chocolate Brown	Steep	50	Good	B	Black Spruce	Sphagnum Moss < 30cm	Coarse	Rocky		
31129	7047891	571862	Reddish Brown	Steep	30	Good	B	Black Spruce	Sphagnum Moss < 30cm	Coarse	Partially Frozen		
31130	7047907	571910	Reddish Brown	Flat	50	Good	B	Black Spruce	Sphagnum Moss < 30cm	Coarse	Partially Frozen		
31131	7047964	572049	Dark Brown	Steep	40	Poor	B	Willows	Sphagnum Moss < 30cm	Coarse	Frozen	Organic 25%	
31132	7047971	572073	Reddish Brown	Flat	60	Excellent	B	Black Spruce	Sphagnum Moss > 30cm	Coarse			
31133	7047979	572096	Reddish Brown	Pronounced Slope	60	Good	B	Black Spruce	Sphagnum Moss > 30cm	Coarse	Partially Frozen		
31134	7047988	572119	Reddish Brown	Pronounced Slope	80	Good	B	Birch Forest	Leaf Cover	Coarse	Clay		
31135	7047998	572144	Reddish Brown	Pronounced Slope	70	Good	B	Birch Forest	Leaf Cover	Coarse			
31136	7048006	572166	Reddish Brown	Pronounced Slope	70	Good	B	Birch Forest	Leaf Cover	Coarse			
31137	7048015	572190	Reddish Brown	Pronounced Slope	60	Good	B	Birch Forest	Leaf Cover	Coarse			
31138	7048025	572213	Reddish Brown	Pronounced Slope	60	Good	B	Birch Forest	Leaf Cover	Coarse			
31139	7048033	572237	Reddish Brown	Pronounced Slope	60	Good	B	Birch Forest	Leaf Cover	Coarse			
31140	7048043	572261	Reddish Brown	Pronounced Slope	40	Good	B	Birch Forest	Leaf Cover	Coarse	Rocky		
31141	7047542	571668	Reddish Orange	Pronounced Slope	40	Good	B	Birch Forest	Leaf Cover	Coarse			
31142	7047545	571679	Reddish Orange	Pronounced Slope	40	Good	B	Birch Forest	Leaf Cover	Coarse			
31143	7047554	571700	Reddish Orange	Pronounced Slope	50	Good	B	Black Spruce	Sphagnum Moss > 30cm	Coarse	Rocky		
31144	7047564	571723	Reddish Orange	Pronounced Slope	50	Good	B	Birch Forest	Leaf Cover	Coarse			
31145	7047573	571747	Reddish Orange	Pronounced Slope	60	Excellent	B	Birch Forest	Leaf Cover	Coarse			
31146	7047581	571770	Reddish Orange	Pronounced Slope	50	Good	B	Birch Forest	Leaf Cover	Coarse			
31147	7047591	571793	Reddish Orange	Pronounced Slope	60	Good	B	Birch Forest	Leaf Cover	Coarse			
31148	7047601	571818	Reddish Brown	Pronounced Slope	60	Good	B	Birch Forest	Leaf Cover	Coarse			
31149	7047608	571839	Reddish Brown	Pronounced Slope	70	Good	B	Birch Forest	Leaf Cover	Coarse			
31150	7047619	571864	Reddish Brown	Pronounced Slope	50	Good	B	Birch Forest	Leaf Cover	Coarse			
31901	7047089	572497											
31902	7047102	572520											
31903	7047118	572568											
31904	7047019	572311	Chocolate Brown	Subtle Slope	40	Good	B	White Spruce	Sphagnum Moss < 30cm	Coarse	Mud	Rocky	DUPLICATE
31905	7047112	572545											
31951	7047775	572260	Reddish Brown	Pronounced Slope	70	Excellent	B	Birch Forest	Leaf Cover	Coarse			
31952	7047784	572282	Reddish Brown	Pronounced Slope	50	Good	B	Birch Forest	Leaf Cover	Coarse			

Sample No	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
31082	0.6	15.9	3.2	47	<0.1	85.8	18.7	293	3.26	3.2	0.3	1.1	1.1	24	<0.1	0.2	<0.1	62	0.40	0.070	6	194	1.58	115	0.101	<1	1.97	0.013	0.04	0.1	<0.01	3.0	<0.1	<0.05	7	<0.5
31083	0.7	22.1	6.0	68	<0.1	18.2	9.6	352	3.03	6.0	0.6	4.1	2.8	31	<0.1	0.4	<0.1	58	0.31	0.025	9	31	0.72	181	0.122	<1	1.95	0.023	0.06	0.1	0.01	4.1	<0.1	<0.05	6	<0.5
31084	1.1	20.2	5.2	58	<0.1	16.7	11.7	344	3.16	5.4	0.7	1.3	2.0	28	<0.1	0.3	0.1	68	0.41	0.072	7	28	0.73	170	0.093	<1	1.75	0.018	0.07	0.1	<0.01	4.5	<0.1	<0.05	6	<0.5
31085	0.9	20.5	4.7	57	<0.1	19.0	11.3	277	2.97	4.9	0.7	3.8	2.0	34	<0.1	0.3	<0.1	67	0.45	0.065	8	30	0.81	194	0.093	<1	1.82	0.018	0.06	0.1	0.02	4.0	<0.1	<0.05	6	<0.5
31086	1.3	28.1	5.7	60	0.2	18.0	17.1	414	2.95	4.8	1.0	2.0	1.4	39	0.1	0.3	0.2	74	0.57	0.067	9	30	0.75	238	0.086	<1	1.77	0.020	0.07	0.1	0.03	4.9	<0.1	<0.05	6	0.6
31087	1.9	51.6	7.6	74	0.3	23.1	13.9	346	3.23	3.4	1.1	2.5	2.7	68	0.1	0.2	0.1	87	0.67	0.061	12	51	1.01	355	0.159	<1	2.22	0.024	0.23	0.1	0.02	5.8	0.1	0.08	8	0.6
31088	0.6	76.1	6.4	85	<0.1	16.1	15.5	511	3.32	2.3	1.1	1.1	4.4	51	0.1	0.2	<0.1	82	0.87	0.076	13	28	0.72	98	0.106	<1	2.16	0.038	0.08	<0.1	0.02	7.2	<0.1	<0.05	8	<0.5
31089	0.6	73.2	6.4	79	<0.1	16.7	14.9	484	3.16	2.2	1.1	1.0	4.2	51	0.2	0.2	<0.1	79	0.86	0.074	13	30	0.68	92	0.106	<1	2.03	0.037	0.08	<0.1	0.02	7.1	<0.1	<0.05	7	<0.5
31090	0.5	81.8	3.8	51	<0.1	21.7	17.9	427	2.98	1.8	0.6	1.9	1.8	39	<0.1	0.1	<0.1	78	0.76	0.076	7	45	0.71	80	0.110	<1	1.86	0.036	0.09	<0.1	0.02	7.5	<0.1	<0.05	6	<0.5
31091	0.8	39.2	5.1	83	<0.1	22.5	13.9	305	3.11	3.8	1.0	1.2	3.0	50	<0.1	0.3	<0.1	69	0.91	0.102	13	29	0.98	154	0.111	1	2.04	0.023	0.15	0.1	0.02	4.4	<0.1	<0.05	7	<0.5
31092	0.9	39.9	7.6	72	<0.1	62.2	17.6	618	3.48	5.4	1.0	2.7	2.7	81	0.2	0.2	<0.1	89	1.13	0.139	10	86	1.41	315	0.120	2	2.09	0.028	0.17	0.2	0.03	3.6	<0.1	<0.05	7	<0.5
31093	0.6	40.9	4.3	58	<0.1	33.8	11.9	379	2.77	3.8	0.6	1.4	2.0	72	0.1	0.2	<0.1	70	1.06	0.095	7	34	0.97	218	0.101	<1	2.04	0.024	0.13	0.1	0.01	3.6	<0.1	<0.05	6	<0.5
31094	1.1	41.0	11.0	228	<0.1	23.5	13.6	1004	4.07	4.0	0.6	1.9	2.0	92	0.3	0.2	<0.1	64	1.16	0.070	8	35	1.27	235	0.188	<1	3.53	0.014	0.58	<0.1	0.02	5.2	0.2	<0.05	13	<0.5
31095	0.8	31.0	6.4	124	<0.1	14.6	13.7	693	4.21	5.6	0.8	1.2	2.1	142	0.2	0.4	<0.1	86	1.64	0.057	9	24	0.91	117	0.163	<1	3.66	0.024	0.20	0.1	0.02	8.1	<0.1	0.05	12	0.5
31096	0.9	39.2	6.3	100	<0.1	20.4	14.1	551	3.43	4.6	0.5	0.9	1.7	71	0.1	0.4	<0.1	80	1.02	0.069	7	31	0.72	103	0.110	<1	2.68	0.030	0.12	0.1	0.02	6.8	<0.1	<0.05	9	<0.5
31097	0.6	53.4	4.6	132	<0.1	17.1	15.8	416	3.49	5.1	0.8	1.9	2.7	95	0.1	0.2	<0.1	81	1.20	0.070	9	26	0.67	113	0.124	<1	2.96	0.029	0.15	<0.1	0.01	6.4	<0.1	<0.05	8	<0.5
31098	0.7	46.9	6.0	53	<0.1	23.2	11.2	337	2.85	7.3	0.7	2.8	3.9	114	<0.1	0.5	<0.1	62	1.22	0.058	14	28	0.56	152	0.119	<1	2.82	0.021	0.11	0.1	0.02	6.2	<0.1	<0.05	8	<0.5
31099	1.1	25.6	7.3	167	<0.1	14.7	5.2	1246	4.41	3.1	0.9	1.2	2.0	26	0.3	0.3	<0.1	20	0.38	0.054	11	8	0.94	141	0.234	<1	2.23	0.012	1.08	0.1	<0.01	10.4	0.3	<0.05	13	<0.5
31100	0.6	28.9	5.3	62	0.1	15.5	8.0	265	2.59	4.5	0.7	2.2	2.5	34	0.1	0.4	0.1	55	0.52	0.083	9	22	0.62	156	0.077	1	1.38	0.035	0.04	0.2	0.02	4.3	<0.1	<0.05	5	<0.5
31119	1.1	24.7	6.5	112	<0.1	12.4	9.7	458	3.42	4.8	0.8	2.5	2.6	31	0.1	0.3	<0.1	69	0.45	0.054	12	23	0.64	189	0.127	<1	2.12	0.018	0.15	0.1	0.02	4.3	<0.1	<0.05	7	<0.5
31120	0.9	29.4	5.6	108	<0.1	11.1	11.2	433	3.46	4.3	0.5	2.1	1.7	37	0.1	0.3	<0.1	79	0.48	0.064	8	17	0.67	165	0.123	<1	1.89	0.020	0.13	0.4	0.02	4.3	<0.1	<0.05	7	<0.5
31121	1.1	30.9	7.3	177	<0.1	14.2	11.5	646	3.88	5.9	0.5	1.7	2.1	27	0.2	0.3	0.1	78	0.35	0.053	8	26	0.76	155	0.160	1	2.28	0.013	0.20	0.1	0.02	3.8	0.1	<0.05	9	<0.5
31122	1.2	26.4	8.3	160	<0.1	14.4	10.3	568	3.86	6.4	0.5	8.8	2.0	20	0.2	0.4	0.1	77	0.25	0.035	8	27	0.77	157	0.152	1	2.14	0.012	0.12	0.2	0.02	3.2	<0.1	<0.05	9	0.5
31123	0.7	105.3	9.9	141	<0.1	221.4	29.6	850	4.06	4.1	1.1	2.6	6.7	93	0.2	0.2	<0.1	93	0.92	0.174	20	109	2.86	598	0.193	<1	2.73	0.021	0.38	0.2	0.02	4.0	<0.1	<0.05	9	<0.5
31124	0.6	137.2	11.6	110	<0.1	324.6	39.6	790	4.20	3.9	1.2	2.8	7.5	95	0.2	0.2	<0.1	101	0.98	0.159	18	174	4.01	701	0.215	2	3.14	0.022	0.32	0.2	0.02	3.6	<0.1	<0.05	10	<0.5
31125	0.7	25.1	7.0	63	<0.1	40.3	9.3	383	2.81	4.8	0.7	3.0	1.8	31	0.1	0.3	<0.1	60	0.31	0.051	10	52	0.79	225	0.112	1	1.85	0.011	0.15	0.2	0.02	2.9	<0.1	<0.05	8	0.6
31126	0.9	12.9	6.7	62	<0.1	17.2	5.3	240	1.89	1.6	0.6	2.2	1.1	21	<0.1	0.1	0.1	39	0.25	0.044	7	57	0.58	129	0.099	<1	1.25	0.011	0.12	0.2	0.02	3.0	<0.1	<0.05	8	<0.5
31127	1.6	30.8	7.0	201	<0.1	12.0	12.9	868	5.25	2.8	0.5	1.9	1.3	41	0.2	0.2	<0.1	93	0.58	0.100	4	20	0.92	160	0.227	<1	3.06	0.012	0.53	<0.1	0.02	4.4	0.2	<0.05	13	0.6
31128	1.3	23.4	6.4	104	0.1	19.3	14.1	1032	2.98	2.9	1.5	3.1	2.0	77	0.3	0.2	<0.1	62	0.98	0.083	15	29	0.78	295	0.110	<1	2.70	0.016	0.20	0.1	0.04	6.7	<0.1	<0.05	11	0.6
31129	1.0	27.0	7.8	86	<0.1	16.5	8.2	275	2.81	4.5	0.6	3.2	2.3	45	0.1	0.3	<0.1	63	0.58	0.078	9	25	0.83	169	0.123	<1	1.92	0.019	0.14	0.2	0.03	4.7	<0.1	<0.05	8	0.7
31130	1.3	32.5	5.6	64	<0.1	34.9	10.1	241	2.78	2.6	0.8	6.6	1.3	42	0.1	0.2	0.1	68	0.45	0.053	5	49	0.93	123	0.108	1	1.84	0.016	0.07	0.2	0.03	3.6	<0.1	<0.05	8	0.7
31131	1.3	73.3	6.6	78	0.2	15.9	14.9	486	3.23	3.2	1.4	5.2	2.8	43	0.2	0.2	0.2	64	0.66	0.086	15	23	0.73	239	0.077	<1	1.68	0.025	0.17	<0.1	0.05	5.2	0.1	<0.05	6	0.9
31132	1.1	67.5	7.5	77	0.1	15.9	13.4	419	2.91	2.9	1.3	7.2	3.5	45	0.2	0.2	0.2	65	0.72	0.081	15	23	0.77	214	0.092	<1	1.71	0.023	0.16	<0.1	0.04	5.0	0.1	<0.05	6	0.5
31133	1.2	34.5	7.9	80	0.2	12.1	8.7	230	2.93	2.8	1.6	2.2	3.7	50	0.2	0.2	0.1	62	0.65	0.057	23	18	0.54	146	0.090	<1	1.92	0.024	0.08	<0.1	0.03	4.3	<0.1	<0.05	8	0.5
31134	0.8	36.5	7.6	79	<0.1	17.6	8.6	333	2.81	4.7	1.4	3.0	6.5	50	<0.1	0.3	0.1	61	0.62	0.062	24	26	0.62	188	0.102	1	1.76	0.024	0.08	<0.1	0.02	5.6	<0.1	<0.05	6	0.5
31135	0.6	28.7	5.4	68	<0.1	14.7	10.8	349	2.75	1.3	1.1	1.4	4.1	53	0.1	0.1	<0.1	64	0.93	0.096	13	29	0.65	129	0.122	<1	1.78	0.031	0.09	<0.1	0.01	5.9	<0.1	<0.05	7	<0.5
31136	0.7	29.0	3.6	56	<0.1	10.7	13.8	317	3.30	2.1	0.4	1.3	1.9	21	<0.1	0.2	<0.1	86	0.71	0.088	7	23	0.73	117	0.115	<1	1.63	0.057	0.09	<0.1	<0.01	5.2	<0.1	<0.05	7	<0.5
31137	0.5	38.3	2.9	46	<0.1	14.0	12.7	236	3.04	2.3	0.3	1.2	1.6	19	<0.1	0.2	<0.1	85	0.65	0.071	8	23	0.76	114	0.122	<1	1.51	0.047	0.08	<0.1	0.01	4.5	<0.1	<0.05	6	<0.5
31138	0.5	46.7	3.4	50	<0.1	14.0	14.5	262	3.37	3.3	0.4	0.6	1.7	19	<0.1	0.1	<0.1	98	0.63	0.071	7	21	0.78	114	0.137	<1	1.63	0.048	0.12	<0.1	<0.01	4.7	<0.1	<0.05	7	<0.5
31139	0.6	27.6	6.3	49	<0.1	17.7	12.0	378	2.50	5.0	0.4	1.5	2.0	21	<0.1	0.3	<0.1	60	0.38	0.038	7	30	0.54	149	0.090	1	1.43	0.025	0.11	0.1	<0.01	2.8	<0.1	<0.05	5	<0.5
31140	0.6	30.2	4.4	57	<0.1	14.2	12.8	423	2.95	3.5	0.3	1.5	1.3	27	<0.1	0.2	<0.1	84	0.55	0.073	6	16	0.80	183	0.137	<1	1.72	0.025	0.12	0.1	0.01	3.3	<0.1	<0.05	6	<0.5
31141	1.1	14.8	9.1	100	<0.1	18.0	8.6	416	3.02	9.1	0.6	2.8	3.6	22	0.2	0.5	0.1	64	0.22	0.028	9	35	0.52	247	0.086	<1	1.95	0.011	0.09	0.1	0.01	3.1	<0.1	<0.05	6	<0.5
31142	0.9	23.4	7.8	80	<0.1	22.9	9.8	320	3.08	11.1	0.5	4.9	3.1	17	0.2	0.6	0.1	62	0.17	0.023	7	34	0.64	156	0.104	1	2.13	0.010	0.08	0.2	0.02	3.1	<0.1	<0.05	6	<0.5
31143	1.0	25.5	6.8	177	<0.1	15.3	9.7	881	4.63	3.6	0.4	2.9	1.9	16	0.2	0.3	<0.1	70	0.28	0.062	6	29	1.17	189	0.241	<1	2.74	0.013	0.42	<0.1	0.02	6.7	0.1	<0.05	13	<0.5
31144	1.0	18.5	8.2	76	<0.1	18.7	9.1	393	3.40	7.8	0.5	3.3	3.1	14	<0.1	0.5	0.1	63	0.16	0.021	8	34	0.64	155	0.109	1	2.31	0.017	0.06	0.2	0.01	3.3	<0.1	<0.05	7	<0.5
31145	0.7	19.7	5.7	100	<0.1	16.4	9.3	531	3.63	5.1	0.5	2.9	2.2	20	<0.1	0.3	<0.1	57	0.28	0.036	8	26	0.84	220	0.162	<1	2.20	0.014	0.24	0.2	0.01	4.7	0.1	<0.05	9	<0.5
31146	0.8	20.7	7.0	85	<0.1	18.5	9.3	431	3.17	5.2	0.5	2.1	3.1	21	<0.1	0.4	<0.1	58	0.28	0.032	11	30	0.75	198	0.130	1	1.99	0.015	0.11	0.2	0.01	3.9	<0.1	<0.05	7	<0.5
31147	0.9	21.4	8.4	73	<0.1	19.6	10.1	355	3.70	8.2	0.5	2.5	2.8	19	0.1	0.5	0.1	74	0.19	0.026	8	34	0.67	174	0.128	<1	2.51	0.013	0.08	0.1	0.01	3.9	<0.1	<0.05	8	0.6
31148	0.7	24.4	7.0	67	<0.1	20.6	10.5	383	3.16	5.9	0.6	2.2	3.2	33	<0.1	0.4	<0.1	66	0.34	0.025	11	36	0.79	199	0.133	<1	2.17	0.017	0.06	0.1	0.02	4.6	<0.1	<0.05	7	<0.5
31149	0.7	19.8	7.0	55	<0.1	16.5	8.4	310	2.72	7.0	0.6	2.2	1.9	31	<0.1	0.4	<0.1	57	0.34	0.044	10	26	0.57	209	0.084	<1	1.93	0.017	0.06	0.1	0.01	3.3	<0.1	<0.05	7	<0.5
31150	0.7	21.7	5.7	76	<0.1	18.4	10.6	472	3.48	4.9	0.4	2.9	2.0	44	<0.1	0.3	<0.1	68	0.44	0.038	6	31	0.94	156	0.135	<1	2.80	0.012	0.12	0.1	0.01	3.8	0.1	<0.05	9	<0.5
31901	1.1	45.5	5.8	144	<0.1	13.5	15.4	744	3.74	4.5	1.0	4.1	2.3	46	0.3	0.2	<0.1	77	0.72	0.068	13	21	0.61	250	0.115	<1	2.04	0.036	0.18	<0.1	0.03	6.6	<0.1	<0.05	8	<0.5
31902	0.8	28.2	4.9	135	<0.1	9.8	9.1	423	2.93	3.5	0.5	1.8	1.9	31	0.2	0.3	<0.1	65	0.56	0.055	7	16	0.62	163	0.121	<1	1.65	0.033	0.18	<0.1	0.01	4.3	<0.1	<0.05	6	<0.5
31903	0.8	67.0	3.8	265	<0.1	14.5	18.0	955	3.82	2.4	0.6	1.6	2.3	29	0.3	0.1	<0.1	95	0.84	0.116	10	22	0.85	236	0.112	<1	2.23	0.059	0.15	<0.1	0.02	8.2	<0.1	<0.05	9	<0.5
31904	1.6	20.0	12.2	116	<0.1	36.4	15.1	467	3.80	7.5	0.6	0.9	8.3	30	0.3	0.2	<0.1	85	0.52	0.073	18	50	0.86	169	0.036	<1	1.60	0.016	0.07	<0.1	0.02	7.8	<0.1	<0.05	7	<0.5
31905	1.0	36.8	4.4	141	<0.1	8.9	12.2	557	3.75	2.7	0.7	0.9	1.9	50	0.3	0.2	<0.1	68	0.90	0.100	9	13	0.69	226	0.118	<1	2.21	0.045	0.20	<0.1	0.01	6.4	<0.1	<0.05	8	<0.5
31951	0.5	90.2	2.8	57	<0.1	26.0	20.0	520	3.32	1.3	0.5	1.5	1.3	44	<0.1	0.2	<0.1	91	0.82	0.079	7	58	0.84	89	0.122	<1	1.99	0.035	0.08	<0.1	0.02	8.1	<0.1	<0.05	7	<0.5
31952	0.7	95.3	4.8	81	<0.1	22.1	22.8	615	4.35	2.4	0.8	1.6	2.4	32	<0.1	0.2	<0.1	116	0.81	0.099	8	39	0.81	99	0.117	<1	2.22	0.046	0.08	<0.1	0.02	10.4	<0.1	<0.05	9	<0.5

Sample No	Northing	Easting	Colour	Slope	Depth	Quality	Horizon	Vegetation	Cover	Note 1	Note 2	Note 3	Sample Type
31953	7047792	572305	Reddish Brown	Pronounced Slope	50	Good	B	Birch Forest	Leaf Cover	Coarse			
31954	7047801	572329	Reddish Orange	Pronounced Slope	60	Good	B	Birch Forest	Leaf Cover	Coarse			
31955	7047811	572353											
31985	7046925	572079	Dark Brown	Pronounced Slope	80	Good	B	White Spruce	Sphagnum Moss < 30cm	Fine	Sand	Rocky	
31986	7046934	572102	Dark Brown	Pronounced Slope	70	Good	B	White Spruce	Sphagnum Moss < 30cm	Fine	Sand	Rocky	
31987	7046943	572124	Dark Brown	Pronounced Slope	60	Good	B	White Spruce	Sphagnum Moss < 30cm	Fine	Sand	Rocky	
31988	7046953	572148	Reddish Brown	Subtle Slope	70	Excellent	B	White Spruce	Sphagnum Moss < 30cm	Fine	Sand		
31989	7046963	572170	Reddish Brown	Subtle Slope	100	Good	B	White Spruce	Sphagnum Moss < 30cm	Fine	Sand		
31990	7046971	572194	Reddish Brown	Subtle Slope	90	Good	B	White Spruce	Sphagnum Moss < 30cm	Fine	Sand		
31991	7046981	572218	Chocolate Brown	Subtle Slope	90	Poor	B	White Spruce	Sphagnum Moss < 30cm	Fine	Mud	Small Sample	
31992	7046988	572240	Dark Brown	Pronounced Slope	60	Good	B	White Spruce	Sphagnum Moss < 30cm	Fine			
31993	7047000	572264	Dark Brown	Pronounced Slope	60	Excellent	B	White Spruce	Sphagnum Moss < 30cm	Fine			
31994	7047006	572287	Chocolate Brown	Subtle Slope	60	Good	B	White Spruce	Grass Cover	Fine	Mud	Rocky	
31995	7047019	572311	Chocolate Brown	Subtle Slope	40	Good	B	White Spruce	Sphagnum Moss < 30cm	Coarse	Mud	Rocky	
31996	7047027	572334	Chocolate Brown	Subtle Slope	50	Good	B	Black Spruce	Sphagnum Moss < 30cm	Fine	Mud	Partially Frozen	
31997	7047036	572356	Chocolate Brown	Subtle Slope	60	Good	B	Black Spruce	Sphagnum Moss < 30cm	Fine	Mud		
31998	7047044	572381	Dark Brown	Subtle Slope	40	Good	B	Black Spruce	Reindeer Moss	Fine	Partially Frozen	Mud	
31999	7047056	572405	Dark Brown	Flat	40	Poor	B	Black Spruce	Reindeer Moss	Fine	Partially Frozen		
32000	7047065	572426	Dark Brown	Flat	30	Good	B	Black Spruce	Sphagnum Moss < 30cm	Fine	Partially Frozen	Mud	

Sample No	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
31953	0.7	44.0	5.3	88	<0.1	18.8	14.6	552	3.38	4.5	0.8	2.3	2.6	47	0.1	0.3	0.1	88	0.86	0.071	8	27	0.75	183	0.116	1	2.05	0.033	0.08	<0.1	0.02	7.2	<0.1	<0.05	8	<0.5
31954	0.6	30.3	5.4	67	<0.1	16.6	10.8	423	3.01	5.5	0.7	1.6	2.4	36	<0.1	0.4	0.1	77	0.65	0.071	8	30	0.66	146	0.096	1	1.87	0.028	0.06	<0.1	0.02	6.1	<0.1	<0.05	6	<0.5
31955	0.5	21.6	5.4	56	<0.1	15.4	8.7	286	2.75	4.8	0.5	2.2	2.1	37	<0.1	0.3	<0.1	66	0.86	0.131	7	27	0.59	97	0.095	1	1.89	0.031	0.11	0.1	<0.01	5.4	<0.1	<0.05	6	<0.5
31985	0.7	31.1	7.4	79	<0.1	22.5	9.3	630	3.28	8.4	0.7	8.3	3.7	36	<0.1	0.5	0.1	45	0.47	0.036	13	26	0.58	162	0.104	<1	1.87	0.016	0.26	0.1	0.04	5.8	<0.1	<0.05	7	<0.5
31986	0.6	57.3	3.4	46	<0.1	45.3	16.7	375	2.67	5.2	0.3	0.8	1.7	69	<0.1	0.2	<0.1	64	1.02	0.095	4	44	1.23	126	0.139	<1	2.50	0.025	0.17	0.1	<0.01	3.8	<0.1	<0.05	7	<0.5
31987	0.9	18.8	5.2	33	<0.1	7.3	22.8	460	4.99	3.8	0.3	<0.5	1.3	51	<0.1	0.2	<0.1	129	1.02	0.152	5	9	1.25	111	0.129	1	2.65	0.037	0.21	0.1	0.01	7.4	<0.1	<0.05	10	<0.5
31988	2.2	68.3	6.1	80	0.2	12.4	15.6	564	7.95	3.4	1.4	4.8	2.2	155	<0.1	0.3	0.2	202	0.79	0.161	12	9	1.79	388	0.191	<1	3.44	0.047	0.46	<0.1	0.04	15.5	0.1	0.34	14	1.3
31989	1.9	55.6	7.3	114	0.2	10.0	15.9	530	9.20	3.7	1.5	5.1	2.2	109	<0.1	0.3	0.4	220	0.66	0.099	11	7	1.62	308	0.126	<1	2.87	0.069	0.15	<0.1	0.04	16.1	<0.1	0.31	14	1.7
31990	3.0	46.3	10.3	99	0.1	17.2	23.0	729	5.27	6.3	1.6	4.1	1.9	48	0.1	0.5	0.2	159	0.98	0.102	8	13	0.89	281	0.140	1	2.19	0.061	0.17	<0.1	0.02	11.7	<0.1	<0.05	9	<0.5
31991	0.9	23.6	8.9	58	<0.1	19.9	10.9	394	2.72	8.0	1.1	2.8	3.6	37	0.2	0.5	0.2	66	0.56	0.046	14	29	0.53	265	0.084	1	1.66	0.023	0.06	0.2	0.02	5.3	<0.1	<0.05	5	<0.5
31992	1.6	58.3	6.6	117	<0.1	10.0	19.4	769	5.52	4.3	0.8	2.3	1.3	58	0.2	0.2	<0.1	154	1.15	0.151	9	14	1.08	345	0.156	<1	2.89	0.048	0.49	<0.1	0.03	10.9	0.2	<0.05	11	<0.5
31993	2.3	35.0	7.4	138	<0.1	16.6	25.1	1012	6.25	3.4	0.7	2.4	1.5	51	0.1	0.3	<0.1	195	0.98	0.078	7	20	1.56	331	0.136	<1	3.12	0.038	0.30	<0.1	0.03	9.3	0.1	<0.05	12	<0.5
31994	1.2	20.6	14.1	81	<0.1	29.2	12.8	352	3.34	7.4	0.8	1.6	8.0	29	0.2	0.3	0.1	82	0.49	0.050	20	36	0.63	190	0.059	<1	1.63	0.013	0.09	<0.1	0.03	6.0	<0.1	<0.05	7	<0.5
31995	1.3	22.4	13.2	113	<0.1	35.9	13.9	461	3.66	7.4	0.8	1.0	9.7	29	0.2	0.3	0.1	88	0.51	0.062	21	49	0.80	167	0.049	<1	1.64	0.020	0.08	<0.1	0.03	7.8	<0.1	<0.05	8	<0.5
31996	1.7	32.1	22.1	115	0.1	28.2	12.8	718	3.31	8.8	1.0	2.0	5.3	46	0.3	0.3	0.1	89	0.79	0.070	19	44	0.81	228	0.057	2	1.78	0.019	0.08	0.2	0.05	7.8	<0.1	<0.05	7	<0.5
31997	1.5	38.8	15.9	104	0.1	26.7	13.4	492	3.12	7.5	1.3	2.8	4.7	41	0.4	0.4	0.2	80	0.74	0.064	20	31	0.75	263	0.067	1	1.78	0.023	0.07	0.1	0.06	7.0	0.1	<0.05	7	<0.5
31998	1.3	33.7	19.3	94	0.1	18.4	13.2	571	3.11	6.7	1.1	2.6	3.7	37	0.2	0.4	0.2	81	0.57	0.057	14	35	0.74	244	0.083	1	1.83	0.027	0.07	0.1	0.04	6.3	<0.1	<0.05	6	<0.5
31999	1.6	55.8	13.0	103	0.1	22.1	16.0	1255	3.13	6.8	1.1	3.3	3.8	40	0.3	0.4	0.2	76	0.69	0.071	15	29	0.72	267	0.078	1	1.74	0.021	0.07	<0.1	0.05	5.3	<0.1	<0.05	7	<0.5
32000	1.1	33.0	11.4	100	<0.1	20.6	10.0	397	2.91	5.8	1.4	2.4	4.1	35	0.1	0.3	0.2	76	0.58	0.060	16	31	0.78	222	0.072	1	2.02	0.017	0.07	<0.1	0.04	5.5	0.1	<0.05	8	<0.5

APPENDIX III
GEOCHEMICAL ANALYTICAL CERTIFICATES

ACME ANALYTICAL LABORATORIES LTD.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
500 - 625 Howe St.
Vancouver BC V6C 2T6 Canada

Submitted By: Greg Dawson
Receiving Lab: Canada-Vancouver
Received: August 01, 2008
Report Date: August 25, 2008
Page: 1 of 6

CERTIFICATE OF ANALYSIS VAN08007841.1

CLIENT JOB INFORMATION

Project: Lucky Joe
Shipment ID:
P.O. Number
Number of Samples: 135

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT Dispose of Reject After 90 days

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
SS80	135	Dry at 60C sieve 100g to -80 mesh		
Dry at 60C	135	Dry at 60C		
1DX15	135	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed
RJSV	135	Save all or part of soil reject fraction		

ADDITIONAL COMMENTS

Invoice To: Copper Ridge Exploration Inc.
500 - 625 Howe St.
Vancouver BC V6C 2T6
Canada

CC: Joanna Hodge

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Project: Lucky Joe
Report Date: August 25, 2008

CERTIFICATE OF ANALYSIS VAN08007841.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
28404	Soil	0.7	24.1	5.2	50	<0.1	16.2	8.6	242	2.84	6.5	0.4	3.6	1.9	28	<0.1	0.3	<0.1	83	0.32	0.035
28405	Soil	1.1	29.0	3.7	69	<0.1	17.5	16.1	499	4.01	4.0	0.5	<0.5	1.8	39	<0.1	0.2	<0.1	92	0.68	0.117
28406	Soil	0.8	20.0	5.5	59	<0.1	14.7	9.4	251	2.89	5.7	0.4	1.0	1.9	28	<0.1	0.3	<0.1	81	0.33	0.038
31026	Soil	1.2	56.4	6.6	157	<0.1	11.0	39.2	845	7.48	2.8	0.8	3.9	1.9	73	<0.1	0.1	0.2	219	0.96	0.076
31027	Soil	1.6	61.1	5.0	99	<0.1	31.7	17.1	492	4.55	2.7	0.6	1.7	2.1	61	0.2	0.2	0.2	124	0.68	0.056
31028	Soil	1.0	28.7	5.1	85	<0.1	12.5	14.5	337	3.43	3.7	0.5	2.2	2.1	37	<0.1	0.2	0.1	97	0.58	0.059
31029	Soil	1.8	50.2	14.3	137	0.2	21.8	6.3	232	2.73	0.7	1.9	<0.5	8.1	17	0.2	<0.1	0.2	86	0.29	0.052
31030	Soil	15.8	1516	11.1	163	0.7	69.2	19.7	475	3.19	3.7	2.5	34.1	7.2	23	0.5	0.1	3.7	94	0.45	0.081
31032	Soil	5.4	318.9	8.0	91	0.4	11.6	6.1	310	4.16	3.4	2.6	11.0	13.8	50	0.1	0.2	0.7	37	0.32	0.042
31033	Soil	4.4	336.0	8.9	112	0.3	18.0	11.2	383	3.67	2.4	2.2	19.2	9.0	41	0.2	0.2	0.9	50	0.52	0.047
31034	Soil	5.1	446.6	7.2	76	0.4	21.3	8.4	201	3.32	4.7	1.4	20.4	4.3	29	0.2	0.2	0.8	51	0.34	0.047
31035	Soil	2.9	340.5	7.4	91	0.3	19.2	9.2	246	3.38	3.2	1.8	39.7	5.6	46	0.2	0.2	0.5	58	0.54	0.048
31036	Soil	3.2	249.0	8.6	85	0.3	19.3	11.5	278	3.57	5.1	2.2	19.8	4.6	36	0.2	0.3	0.5	58	0.44	0.059
31037	Soil	1.6	35.3	4.2	61	0.1	11.0	15.4	564	4.89	5.1	1.1	1.9	1.7	29	0.2	0.2	<0.1	75	0.59	0.114
31038	Soil	0.8	36.5	4.5	66	0.1	13.4	13.3	361	3.73	3.1	0.8	2.1	2.1	29	<0.1	0.1	<0.1	75	0.56	0.087
31039	Soil	0.8	38.4	3.9	65	<0.1	9.9	20.4	662	4.02	2.8	0.7	<0.5	1.8	27	<0.1	0.1	<0.1	72	0.56	0.103
31040	Soil	0.5	28.9	3.7	59	<0.1	11.9	12.1	227	3.30	3.0	0.4	0.5	1.7	16	<0.1	0.1	<0.1	62	0.54	0.078
31041	Soil	0.6	31.2	3.6	57	<0.1	15.1	12.2	189	3.84	1.9	0.4	1.3	2.0	17	<0.1	0.2	<0.1	68	0.49	0.083
31042	Soil	0.8	47.2	2.8	91	<0.1	15.8	20.8	378	5.94	1.5	0.5	<0.5	3.1	19	<0.1	0.1	<0.1	103	0.70	0.139
31043	Soil	0.7	37.2	5.7	87	<0.1	22.3	10.4	555	3.72	7.3	0.6	3.6	3.4	28	0.1	0.5	0.1	58	0.56	0.044
31044	Soil	1.0	18.3	6.6	97	<0.1	18.3	10.7	601	4.35	6.9	0.6	<0.5	3.0	21	0.1	0.4	0.1	67	0.36	0.037
31045	Soil	0.7	21.5	3.0	199	<0.1	11.7	10.6	1380	5.10	3.4	0.7	2.7	3.4	22	0.4	0.3	<0.1	51	0.43	0.071
31046	Soil	0.8	31.6	6.1	93	0.1	20.2	9.2	529	3.17	7.4	0.8	5.8	2.9	41	0.2	0.4	0.1	46	0.87	0.063
31047	Soil	0.6	31.3	6.5	97	<0.1	24.1	11.0	745	3.51	8.3	0.5	4.2	2.6	34	0.1	0.4	0.1	55	0.64	0.066
31048	Soil	0.6	31.7	5.1	126	<0.1	17.1	7.3	1011	5.12	3.8	0.7	3.7	3.5	15	<0.1	0.3	<0.1	47	0.38	0.069
31049	Soil	0.6	34.7	4.2	127	<0.1	17.3	14.9	987	5.84	4.7	0.5	<0.5	2.3	16	<0.1	0.3	<0.1	74	0.37	0.067
31050	Soil	1.0	30.2	7.3	174	<0.1	17.3	6.1	1341	5.42	4.0	0.9	<0.5	2.1	27	0.3	0.3	<0.1	24	0.43	0.052
31051	Soil	0.7	22.3	4.5	109	<0.1	11.7	12.9	820	5.39	5.3	0.3	<0.5	1.8	16	<0.1	0.2	<0.1	68	0.27	0.029
31052	Soil	0.5	40.0	5.6	117	<0.1	18.9	11.9	954	5.41	5.5	0.5	3.2	2.1	48	0.1	0.3	<0.1	72	0.52	0.058
31053	Soil	0.6	27.8	6.5	69	<0.1	25.8	10.9	448	3.90	9.4	0.7	10.7	3.2	25	<0.1	0.5	0.1	65	0.43	0.086

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Project: Lucky Joe
Report Date: August 25, 2008

CERTIFICATE OF ANALYSIS VAN08007841.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
28404	Soil	8	29	0.65	97	0.127	1	1.99	0.015	0.08	<0.1	<0.01	3.8	<0.1	<0.05	7	<0.5
28405	Soil	9	34	1.09	309	0.116	<1	2.60	0.015	0.13	<0.1	<0.01	6.8	<0.1	<0.05	9	<0.5
28406	Soil	8	28	0.65	171	0.106	<1	2.02	0.013	0.06	0.1	0.01	4.0	<0.1	<0.05	7	<0.5
31026	Soil	10	8	1.58	197	0.140	<1	3.77	0.068	0.11	<0.1	0.02	18.0	<0.1	0.14	13	1.2
31027	Soil	10	79	1.25	220	0.129	1	2.50	0.044	0.13	<0.1	0.02	11.8	<0.1	0.13	9	0.7
31028	Soil	10	18	0.78	131	0.118	<1	2.04	0.036	0.06	<0.1	<0.01	7.0	<0.1	<0.05	7	<0.5
31029	Soil	31	42	1.02	275	0.106	<1	1.67	0.013	0.46	<0.1	<0.01	3.3	0.4	0.18	6	0.7
31030	Soil	57	58	1.45	330	0.128	<1	2.05	0.017	0.47	<0.1	<0.01	6.0	0.3	0.06	7	2.3
31032	Soil	30	15	0.63	301	0.101	<1	1.70	0.024	0.46	<0.1	0.02	3.7	0.3	0.25	6	2.0
31033	Soil	28	30	0.92	221	0.120	<1	2.16	0.015	0.38	<0.1	0.01	3.9	0.2	<0.05	8	<0.5
31034	Soil	17	27	0.69	174	0.085	1	1.74	0.013	0.14	<0.1	0.02	3.7	0.1	<0.05	6	0.5
31035	Soil	21	26	0.66	191	0.115	<1	1.83	0.016	0.25	0.1	0.01	4.6	0.1	<0.05	7	0.6
31036	Soil	19	25	0.64	218	0.095	<1	1.90	0.017	0.13	0.2	0.05	4.7	0.1	<0.05	6	<0.5
31037	Soil	11	15	0.54	208	0.078	<1	1.44	0.026	0.19	0.1	0.04	5.3	<0.1	<0.05	6	0.7
31038	Soil	11	18	0.68	213	0.100	1	1.67	0.022	0.23	<0.1	0.03	5.2	<0.1	<0.05	7	<0.5
31039	Soil	9	17	0.64	173	0.098	1	1.47	0.025	0.28	<0.1	<0.01	5.0	<0.1	<0.05	6	<0.5
31040	Soil	8	31	0.67	136	0.098	<1	1.42	0.028	0.14	<0.1	<0.01	4.6	<0.1	<0.05	6	<0.5
31041	Soil	11	34	0.70	143	0.123	<1	1.66	0.027	0.15	0.1	0.01	4.2	<0.1	<0.05	8	<0.5
31042	Soil	13	28	1.24	240	0.143	<1	2.27	0.030	0.33	<0.1	<0.01	7.7	0.1	<0.05	11	<0.5
31043	Soil	16	24	0.63	248	0.105	2	1.63	0.016	0.17	0.2	0.05	6.8	<0.1	<0.05	6	<0.5
31044	Soil	11	26	0.67	181	0.109	<1	1.96	0.012	0.30	0.2	0.02	5.7	0.1	<0.05	7	<0.5
31045	Soil	23	9	1.08	207	0.205	<1	2.01	0.008	0.88	<0.1	0.03	8.6	0.2	<0.05	10	0.7
31046	Soil	14	18	0.62	270	0.086	1	1.46	0.020	0.22	0.2	0.02	4.2	<0.1	<0.05	5	<0.5
31047	Soil	14	23	0.71	269	0.079	1	1.52	0.026	0.15	0.2	0.03	5.2	<0.1	<0.05	6	<0.5
31048	Soil	26	9	0.84	158	0.120	<1	1.94	0.008	0.38	0.1	0.02	13.2	0.1	<0.05	11	0.7
31049	Soil	9	18	1.26	254	0.215	<1	2.60	0.012	0.97	<0.1	0.02	8.2	0.3	<0.05	11	<0.5
31050	Soil	11	10	0.90	162	0.261	<1	2.39	0.011	1.12	<0.1	0.01	12.6	0.3	<0.05	14	<0.5
31051	Soil	4	15	1.09	238	0.207	<1	2.66	0.010	0.68	0.1	<0.01	5.4	0.2	<0.05	10	0.6
31052	Soil	15	17	1.06	262	0.122	<1	2.69	0.017	0.45	<0.1	0.04	9.8	0.2	<0.05	13	<0.5
31053	Soil	13	31	0.68	217	0.097	<1	1.64	0.026	0.12	0.2	0.03	6.1	<0.1	<0.05	6	0.5

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500 - 625 Howe St.
Vancouver BC V6C 2T6 Canada

Project: Lucky Joe
Report Date: August 25, 2008

CERTIFICATE OF ANALYSIS VAN08007841.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
31054	Soil		0.3	21.0	1.7	40	<0.1	28.2	12.7	301	1.73	1.8	0.2	1.4	0.9	126	<0.1	0.1	<0.1	27	0.59	0.045
31055	Soil		0.7	40.5	7.1	59	<0.1	29.0	10.0	398	3.41	9.5	1.4	7.4	3.7	27	<0.1	0.7	0.1	57	0.41	0.036
31056	Soil		3.4	83.9	2.9	45	<0.1	17.3	12.1	430	7.20	1.0	0.6	2.4	1.1	99	<0.1	<0.1	0.3	130	0.44	0.042
31057	Soil		1.8	65.1	2.8	61	<0.1	8.1	18.5	331	7.09	1.5	1.0	1.0	1.0	80	<0.1	<0.1	0.2	116	0.60	0.151
31058	Soil		2.7	52.7	5.6	193	<0.1	8.0	22.7	464	6.51	2.5	1.1	1.9	1.9	58	<0.1	0.1	0.2	101	0.55	0.063
31059	Soil		1.1	42.8	3.3	77	<0.1	15.3	23.6	405	5.06	1.8	0.4	2.0	0.8	46	0.1	0.1	<0.1	141	0.68	0.061
31060	Soil		1.1	98.2	30.0	199	<0.1	12.6	17.9	404	5.35	2.8	0.6	<0.5	1.6	57	0.6	0.2	0.1	149	1.01	0.072
31061	Soil		1.6	57.2	21.4	178	<0.1	31.2	20.1	369	4.85	2.2	1.4	<0.5	6.9	84	0.3	0.1	0.2	95	0.59	0.091
31062	Soil		6.4	339.9	19.3	106	0.3	22.9	12.8	292	4.30	4.8	1.3	89.3	5.0	42	0.3	0.3	2.4	90	0.41	0.070
31063	Soil		2.7	107.2	10.5	79	0.1	14.4	12.8	283	3.73	3.7	0.8	4.0	4.7	52	0.1	0.2	0.4	70	0.51	0.060
31064	Soil		2.3	93.1	7.7	78	0.1	18.8	13.6	270	4.07	5.3	1.2	4.0	3.6	39	0.1	0.3	0.3	77	0.52	0.055
31065	Soil		1.6	28.7	5.4	95	<0.1	20.5	18.7	888	4.55	5.8	1.4	2.7	2.0	63	<0.1	0.4	<0.1	106	1.04	0.082
31066	Soil		1.5	46.9	5.5	112	<0.1	14.5	23.1	758	6.71	3.6	4.3	2.3	1.1	157	0.2	0.3	<0.1	179	1.97	0.096
31067	Soil		0.9	49.5	5.9	220	<0.1	25.3	31.0	1193	5.70	3.7	0.4	0.7	1.1	108	0.5	0.4	<0.1	136	1.91	0.116
31068	Soil		1.0	58.8	4.7	153	<0.1	21.9	27.0	1066	5.58	3.5	0.4	1.1	1.1	66	0.2	0.4	<0.1	162	1.34	0.131
31069	Soil		0.5	33.3	4.7	100	<0.1	14.9	12.6	333	3.19	4.2	0.5	1.2	2.1	29	<0.1	0.4	<0.1	84	0.57	0.071
31070	Soil		0.4	49.8	3.0	106	<0.1	10.1	16.5	444	4.07	1.4	0.3	<0.5	0.8	31	0.2	0.2	<0.1	107	0.83	0.157
31071	Soil		0.7	34.1	17.4	136	0.1	19.2	12.1	802	3.66	5.3	0.5	3.6	2.1	56	0.6	0.4	<0.1	73	1.07	0.082
31072	Soil		0.7	18.4	6.8	117	<0.1	15.1	8.5	381	3.11	4.8	0.5	2.3	3.0	54	0.1	0.3	0.1	63	0.97	0.031
31073	Soil		0.8	48.8	6.4	226	<0.1	19.4	14.5	871	4.73	6.5	0.4	2.6	1.8	63	0.3	0.4	<0.1	106	0.81	0.091
31074	Soil		1.1	40.0	6.4	213	<0.1	21.5	8.0	723	3.67	8.9	0.8	5.1	3.5	66	0.2	0.6	0.1	49	0.52	0.058
31075	Soil		0.7	45.9	6.1	86	<0.1	30.2	10.4	510	3.26	9.6	0.4	8.6	4.0	36	<0.1	0.6	0.1	60	0.48	0.044
31076	Soil		0.3	23.3	3.3	165	<0.1	11.5	15.2	784	5.31	6.2	0.3	1.4	1.4	44	<0.1	0.3	<0.1	118	0.90	0.189
31077	Soil		0.6	31.1	4.9	94	<0.1	32.6	13.2	777	3.86	6.3	0.6	4.7	3.6	32	<0.1	0.4	<0.1	68	0.58	0.053
31078	Soil		0.8	30.7	7.2	61	<0.1	24.1	8.9	571	2.58	9.4	0.6	4.3	2.8	39	0.1	0.6	0.1	51	0.72	0.073
31079	Soil		2.6	82.4	3.3	49	<0.1	17.7	11.2	450	6.31	1.3	0.7	3.2	1.3	129	<0.1	0.1	0.4	124	0.40	0.049
31080	Soil		0.6	19.4	6.0	58	<0.1	15.8	8.9	284	3.10	5.9	0.5	0.8	2.0	30	<0.1	0.3	0.1	64	0.39	0.049
31081	Soil		0.7	19.1	5.0	53	<0.1	31.8	11.4	301	2.92	5.5	0.5	1.8	1.8	30	<0.1	0.3	<0.1	60	0.40	0.055
31082	Soil		0.6	15.9	3.2	47	<0.1	85.8	18.7	293	3.26	3.2	0.3	1.1	1.1	24	<0.1	0.2	<0.1	62	0.40	0.070
31083	Soil		0.7	22.1	6.0	68	<0.1	18.2	9.6	352	3.03	6.0	0.6	4.1	2.8	31	<0.1	0.4	<0.1	58	0.31	0.025

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500 - 625 Howe St.
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Project: Lucky Joe
Report Date: August 25, 2008

CERTIFICATE OF ANALYSIS VAN08007841.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
31054	Soil	4	44	1.29	107	0.062	<1	1.87	0.043	0.05	<0.1	0.01	3.0	<0.1	<0.05	4	<0.5
31055	Soil	15	35	0.58	286	0.091	<1	1.57	0.028	0.07	0.2	0.04	5.7	<0.1	<0.05	5	0.5
31056	Soil	6	18	1.44	120	0.068	1	2.40	0.070	0.08	<0.1	0.02	12.9	<0.1	0.17	8	1.7
31057	Soil	8	5	1.00	205	0.107	<1	2.23	0.064	0.12	<0.1	<0.01	7.7	<0.1	0.21	8	1.4
31058	Soil	9	4	0.99	198	0.161	1	2.46	0.037	0.35	<0.1	0.01	11.4	<0.1	0.13	11	1.8
31059	Soil	4	68	1.05	253	0.195	1	1.94	0.031	0.40	<0.1	0.01	9.3	0.2	<0.05	8	0.6
31060	Soil	8	42	1.14	206	0.198	<1	2.73	0.034	0.34	<0.1	0.02	9.0	0.2	<0.05	9	1.4
31061	Soil	17	70	1.27	429	0.238	<1	2.79	0.018	0.76	<0.1	<0.01	6.8	0.5	<0.05	9	0.8
31062	Soil	22	37	0.98	277	0.138	1	2.14	0.019	0.31	<0.1	<0.01	4.0	0.2	0.14	7	1.1
31063	Soil	13	26	0.67	209	0.123	<1	2.00	0.023	0.19	0.2	0.01	3.9	0.1	0.10	7	1.2
31064	Soil	13	33	0.80	240	0.126	1	2.03	0.022	0.12	0.1	0.02	5.4	0.1	<0.05	7	<0.5
31065	Soil	9	28	0.82	208	0.162	2	2.30	0.034	0.06	0.2	0.03	8.0	<0.1	<0.05	8	<0.5
31066	Soil	8	25	1.26	77	0.329	1	4.05	0.027	0.05	0.2	0.09	13.2	<0.1	<0.05	15	0.9
31067	Soil	6	60	1.03	189	0.141	<1	3.06	0.055	0.06	0.2	0.03	11.0	<0.1	<0.05	10	<0.5
31068	Soil	6	26	1.11	168	0.076	<1	2.09	0.049	0.06	0.1	0.01	9.3	<0.1	<0.05	10	<0.5
31069	Soil	10	23	0.67	103	0.088	<1	1.57	0.038	0.05	<0.1	0.01	6.5	<0.1	<0.05	6	<0.5
31070	Soil	5	8	0.81	115	0.089	<1	1.70	0.040	0.08	<0.1	<0.01	7.0	<0.1	<0.05	8	<0.5
31071	Soil	10	21	0.88	182	0.127	2	2.10	0.018	0.33	0.2	0.05	4.4	0.1	<0.05	7	<0.5
31072	Soil	9	20	0.77	153	0.111	1	2.44	0.014	0.12	0.2	0.02	3.9	<0.1	<0.05	10	<0.5
31073	Soil	6	24	1.39	236	0.204	<1	2.61	0.017	0.34	0.2	0.04	7.2	0.1	<0.05	11	<0.5
31074	Soil	20	34	0.82	156	0.093	<1	2.03	0.016	0.23	0.2	0.14	7.4	0.1	<0.05	9	<0.5
31075	Soil	17	24	0.81	251	0.093	<1	1.66	0.024	0.17	0.2	0.03	4.7	<0.1	<0.05	6	<0.5
31076	Soil	8	8	1.49	285	0.193	<1	2.30	0.018	0.83	0.1	0.06	11.3	0.2	<0.05	12	<0.5
31077	Soil	19	66	1.29	190	0.144	<1	2.13	0.017	0.36	0.2	0.07	5.5	0.2	<0.05	8	<0.5
31078	Soil	15	25	0.57	242	0.071	2	1.30	0.025	0.12	0.2	0.04	3.4	<0.1	<0.05	4	<0.5
31079	Soil	7	17	1.46	133	0.060	<1	2.20	0.084	0.09	<0.1	0.02	11.0	<0.1	0.24	7	2.0
31080	Soil	8	26	0.70	193	0.084	<1	1.83	0.015	0.04	0.1	0.01	3.8	<0.1	<0.05	7	<0.5
31081	Soil	7	47	0.84	177	0.085	<1	1.78	0.014	0.05	0.2	<0.01	3.4	<0.1	<0.05	6	<0.5
31082	Soil	6	194	1.58	115	0.101	<1	1.97	0.013	0.04	0.1	<0.01	3.0	<0.1	<0.05	7	<0.5
31083	Soil	9	31	0.72	181	0.122	<1	1.95	0.023	0.06	0.1	0.01	4.1	<0.1	<0.05	6	<0.5

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Project: Lucky Joe
Report Date: August 25, 2008

CERTIFICATE OF ANALYSIS VAN08007841.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
31084	Soil		1.1	20.2	5.2	58	<0.1	16.7	11.7	344	3.16	5.4	0.7	1.3	2.0	28	<0.1	0.3	0.1	68	0.41	0.072
31085	Soil		0.9	20.5	4.7	57	<0.1	19.0	11.3	277	2.97	4.9	0.7	3.8	2.0	34	<0.1	0.3	<0.1	67	0.45	0.065
31086	Soil		1.3	28.1	5.7	60	0.2	18.0	17.1	414	2.95	4.8	1.0	2.0	1.4	39	0.1	0.3	0.2	74	0.57	0.067
31087	Soil		1.9	51.6	7.6	74	0.3	23.1	13.9	346	3.23	3.4	1.1	2.5	2.7	68	0.1	0.2	0.1	87	0.67	0.061
31088	Soil		0.6	76.1	6.4	85	<0.1	16.1	15.5	511	3.32	2.3	1.1	1.1	4.4	51	0.1	0.2	<0.1	82	0.87	0.076
31089	Soil		0.6	73.2	6.4	79	<0.1	16.7	14.9	484	3.16	2.2	1.1	1.0	4.2	51	0.2	0.2	<0.1	79	0.86	0.074
31090	Soil		0.5	81.8	3.8	51	<0.1	21.7	17.9	427	2.98	1.8	0.6	1.9	1.8	39	<0.1	0.1	<0.1	78	0.76	0.076
31091	Soil		0.8	39.2	5.1	83	<0.1	22.5	13.9	305	3.11	3.8	1.0	1.2	3.0	50	<0.1	0.3	<0.1	69	0.91	0.102
31092	Soil		0.9	39.9	7.6	72	<0.1	62.2	17.6	618	3.48	5.4	1.0	2.7	2.7	81	0.2	0.2	<0.1	89	1.13	0.139
31093	Soil		0.6	40.9	4.3	58	<0.1	33.8	11.9	379	2.77	3.8	0.6	1.4	2.0	72	0.1	0.2	<0.1	70	1.06	0.095
31094	Soil		1.1	41.0	11.0	228	<0.1	23.5	13.6	1004	4.07	4.0	0.6	1.9	2.0	92	0.3	0.2	<0.1	64	1.16	0.070
31095	Soil		0.8	31.0	6.4	124	<0.1	14.6	13.7	693	4.21	5.6	0.8	1.2	2.1	142	0.2	0.4	<0.1	86	1.64	0.057
31096	Soil		0.9	39.2	6.3	100	<0.1	20.4	14.1	551	3.43	4.6	0.5	0.9	1.7	71	0.1	0.4	<0.1	80	1.02	0.069
31097	Soil		0.6	53.4	4.6	132	<0.1	17.1	15.8	416	3.49	5.1	0.8	1.9	2.7	95	0.1	0.2	<0.1	81	1.20	0.070
31098	Soil		0.7	46.9	6.0	53	<0.1	23.2	11.2	337	2.85	7.3	0.7	2.8	3.9	114	<0.1	0.5	<0.1	62	1.22	0.058
31099	Soil		1.1	25.6	7.3	167	<0.1	14.7	5.2	1246	4.41	3.1	0.9	1.2	2.0	26	0.3	0.3	<0.1	20	0.38	0.054
31100	Soil		0.6	28.9	5.3	62	0.1	15.5	8.0	265	2.59	4.5	0.7	2.2	2.5	34	0.1	0.4	0.1	55	0.52	0.083
31119	Soil		1.1	24.7	6.5	112	<0.1	12.4	9.7	458	3.42	4.8	0.8	2.5	2.6	31	0.1	0.3	<0.1	69	0.45	0.054
31120	Soil		0.9	29.4	5.6	108	<0.1	11.1	11.2	433	3.46	4.3	0.5	2.1	1.7	37	0.1	0.3	<0.1	79	0.48	0.064
31121	Soil		1.1	30.9	7.3	177	<0.1	14.2	11.5	646	3.88	5.9	0.5	1.7	2.1	27	0.2	0.3	0.1	78	0.35	0.053
31122	Soil		1.2	26.4	8.3	160	<0.1	14.4	10.3	568	3.86	6.4	0.5	8.8	2.0	20	0.2	0.4	0.1	77	0.25	0.035
31123	Soil		0.7	105.3	9.9	141	<0.1	221.4	29.6	850	4.06	4.1	1.1	2.6	6.7	93	0.2	0.2	<0.1	93	0.92	0.174
31124	Soil		0.6	137.2	11.6	110	<0.1	324.6	39.6	790	4.20	3.9	1.2	2.8	7.5	95	0.2	0.2	<0.1	101	0.98	0.159
31125	Soil		0.7	25.1	7.0	63	<0.1	40.3	9.3	383	2.81	4.8	0.7	3.0	1.8	31	0.1	0.3	<0.1	60	0.31	0.051
31126	Soil		0.9	12.9	6.7	62	<0.1	17.2	5.3	240	1.89	1.6	0.6	2.2	1.1	21	<0.1	0.1	0.1	39	0.25	0.044
31127	Soil		1.6	30.8	7.0	201	<0.1	12.0	12.9	868	5.25	2.8	0.5	1.9	1.3	41	0.2	0.2	<0.1	93	0.58	0.100
31128	Soil		1.3	23.4	6.4	104	0.1	19.3	14.1	1032	2.98	2.9	1.5	3.1	2.0	77	0.3	0.2	<0.1	62	0.98	0.083
31129	Soil		1.0	27.0	7.8	86	<0.1	16.5	8.2	275	2.81	4.5	0.6	3.2	2.3	45	0.1	0.3	<0.1	63	0.58	0.078
31130	Soil		1.3	32.5	5.6	64	<0.1	34.9	10.1	241	2.78	2.6	0.8	6.6	1.3	42	0.1	0.2	0.1	68	0.45	0.053
31131	Soil		1.3	73.3	6.6	78	0.2	15.9	14.9	486	3.23	3.2	1.4	5.2	2.8	43	0.2	0.2	0.2	64	0.66	0.086

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500 - 625 Howe St.
Vancouver BC V6C 2T6 Canada

Project: Lucky Joe
Report Date: August 25, 2008

CERTIFICATE OF ANALYSIS VAN08007841.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
31084	Soil		7	28	0.73	170	0.093	<1	1.75	0.018	0.07	0.1	<0.01	4.5	<0.1	<0.05	6	<0.5
31085	Soil		8	30	0.81	194	0.093	<1	1.82	0.018	0.06	0.1	0.02	4.0	<0.1	<0.05	6	<0.5
31086	Soil		9	30	0.75	238	0.086	<1	1.77	0.020	0.07	0.1	0.03	4.9	<0.1	<0.05	6	0.6
31087	Soil		12	51	1.01	355	0.159	<1	2.22	0.024	0.23	0.1	0.02	5.8	0.1	0.08	8	0.6
31088	Soil		13	28	0.72	98	0.106	<1	2.16	0.038	0.08	<0.1	0.02	7.2	<0.1	<0.05	8	<0.5
31089	Soil		13	30	0.68	92	0.106	<1	2.03	0.037	0.08	<0.1	0.02	7.1	<0.1	<0.05	7	<0.5
31090	Soil		7	45	0.71	80	0.110	<1	1.86	0.036	0.09	<0.1	0.02	7.5	<0.1	<0.05	6	<0.5
31091	Soil		13	29	0.98	154	0.111	1	2.04	0.023	0.15	0.1	0.02	4.4	<0.1	<0.05	7	<0.5
31092	Soil		10	86	1.41	315	0.120	2	2.09	0.028	0.17	0.2	0.03	3.6	<0.1	<0.05	7	<0.5
31093	Soil		7	34	0.97	218	0.101	<1	2.04	0.024	0.13	0.1	0.01	3.6	<0.1	<0.05	6	<0.5
31094	Soil		8	35	1.27	235	0.188	<1	3.53	0.014	0.58	<0.1	0.02	5.2	0.2	<0.05	13	<0.5
31095	Soil		9	24	0.91	117	0.163	<1	3.66	0.024	0.20	0.1	0.02	8.1	<0.1	0.05	12	0.5
31096	Soil		7	31	0.72	103	0.110	<1	2.68	0.030	0.12	0.1	0.02	6.8	<0.1	<0.05	9	<0.5
31097	Soil		9	26	0.67	113	0.124	<1	2.96	0.029	0.15	<0.1	0.01	6.4	<0.1	<0.05	8	<0.5
31098	Soil		14	28	0.56	152	0.119	<1	2.82	0.021	0.11	0.1	0.02	6.2	<0.1	<0.05	8	<0.5
31099	Soil		11	8	0.94	141	0.234	<1	2.23	0.012	1.08	0.1	<0.01	10.4	0.3	<0.05	13	<0.5
31100	Soil		9	22	0.62	156	0.077	1	1.38	0.035	0.04	0.2	0.02	4.3	<0.1	<0.05	5	<0.5
31119	Soil		12	23	0.64	189	0.127	<1	2.12	0.018	0.15	0.1	0.02	4.3	<0.1	<0.05	7	<0.5
31120	Soil		8	17	0.67	165	0.123	<1	1.89	0.020	0.13	0.4	0.02	4.3	<0.1	<0.05	7	<0.5
31121	Soil		8	26	0.76	155	0.160	1	2.28	0.013	0.20	0.1	0.02	3.8	0.1	<0.05	9	<0.5
31122	Soil		8	27	0.77	157	0.152	1	2.14	0.012	0.12	0.2	0.02	3.2	<0.1	<0.05	9	0.5
31123	Soil		20	109	2.86	598	0.193	<1	2.73	0.021	0.38	0.2	0.02	4.0	<0.1	<0.05	9	<0.5
31124	Soil		18	174	4.01	701	0.215	2	3.14	0.022	0.32	0.2	0.02	3.6	<0.1	<0.05	10	<0.5
31125	Soil		10	52	0.79	225	0.112	1	1.85	0.011	0.15	0.2	0.02	2.9	<0.1	<0.05	8	0.6
31126	Soil		7	57	0.58	129	0.099	<1	1.25	0.011	0.12	0.2	0.02	3.0	<0.1	<0.05	8	<0.5
31127	Soil		4	20	0.92	160	0.227	<1	3.06	0.012	0.53	<0.1	0.02	4.4	0.2	<0.05	13	0.6
31128	Soil		15	29	0.78	295	0.110	<1	2.70	0.016	0.20	0.1	0.04	6.7	<0.1	<0.05	11	0.6
31129	Soil		9	25	0.83	169	0.123	<1	1.92	0.019	0.14	0.2	0.03	4.7	<0.1	<0.05	8	0.7
31130	Soil		5	49	0.93	123	0.108	1	1.84	0.016	0.07	0.2	0.03	3.6	<0.1	<0.05	8	0.7
31131	Soil		15	23	0.73	239	0.077	<1	1.68	0.025	0.17	<0.1	0.05	5.2	0.1	<0.05	6	0.9

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500 - 625 Howe St.
Vancouver BC V6C 2T6 Canada

Project: Lucky Joe
Report Date: August 25, 2008

CERTIFICATE OF ANALYSIS VAN08007841.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
31132	Soil		1.1	67.5	7.5	77	0.1	15.9	13.4	419	2.91	2.9	1.3	7.2	3.5	45	0.2	0.2	0.2	65	0.72	0.081
31133	Soil		1.2	34.5	7.9	80	0.2	12.1	8.7	230	2.93	2.8	1.6	2.2	3.7	50	0.2	0.2	0.1	62	0.65	0.057
31134	Soil		0.8	36.5	7.6	79	<0.1	17.6	8.6	333	2.81	4.7	1.4	3.0	6.5	50	<0.1	0.3	0.1	61	0.62	0.062
31135	Soil		0.6	28.7	5.4	68	<0.1	14.7	10.8	349	2.75	1.3	1.1	1.4	4.1	53	0.1	0.1	<0.1	64	0.93	0.096
31136	Soil		0.7	29.0	3.6	56	<0.1	10.7	13.8	317	3.30	2.1	0.4	1.3	1.9	21	<0.1	0.2	<0.1	86	0.71	0.088
31137	Soil		0.5	38.3	2.9	46	<0.1	14.0	12.7	236	3.04	2.3	0.3	1.2	1.6	19	<0.1	0.2	<0.1	85	0.65	0.071
31138	Soil		0.5	46.7	3.4	50	<0.1	14.0	14.5	262	3.37	3.3	0.4	0.6	1.7	19	<0.1	0.1	<0.1	98	0.63	0.071
31139	Soil		0.6	27.6	6.3	49	<0.1	17.7	12.0	378	2.50	5.0	0.4	1.5	2.0	21	<0.1	0.3	<0.1	60	0.38	0.038
31140	Soil		0.6	30.2	4.4	57	<0.1	14.2	12.8	423	2.95	3.5	0.3	1.5	1.3	27	<0.1	0.2	<0.1	84	0.55	0.073
31141	Soil		1.1	14.8	9.1	100	<0.1	18.0	8.6	416	3.02	9.1	0.6	2.8	3.6	22	0.2	0.5	0.1	64	0.22	0.028
31142	Soil		0.9	23.4	7.8	80	<0.1	22.9	9.8	320	3.08	11.1	0.5	4.9	3.1	17	0.2	0.6	0.1	62	0.17	0.023
31143	Soil		1.0	25.5	6.8	177	<0.1	15.3	9.7	881	4.63	3.6	0.4	2.9	1.9	16	0.2	0.3	<0.1	70	0.28	0.062
31144	Soil		1.0	18.5	8.2	76	<0.1	18.7	9.1	393	3.40	7.8	0.5	3.3	3.1	14	<0.1	0.5	0.1	63	0.16	0.021
31145	Soil		0.7	19.7	5.7	100	<0.1	16.4	9.3	531	3.63	5.1	0.5	2.9	2.2	20	<0.1	0.3	<0.1	57	0.28	0.036
31146	Soil		0.8	20.7	7.0	85	<0.1	18.5	9.3	431	3.17	5.2	0.5	2.1	3.1	21	<0.1	0.4	<0.1	58	0.28	0.032
31147	Soil		0.9	21.4	8.4	73	<0.1	19.6	10.1	355	3.70	8.2	0.5	2.5	2.8	19	0.1	0.5	0.1	74	0.19	0.026
31148	Soil		0.7	24.4	7.0	67	<0.1	20.6	10.5	383	3.16	5.9	0.6	2.2	3.2	33	<0.1	0.4	<0.1	66	0.34	0.025
31149	Soil		0.7	19.8	7.0	55	<0.1	16.5	8.4	310	2.72	7.0	0.6	2.2	1.9	31	<0.1	0.4	<0.1	57	0.34	0.044
31150	Soil		0.7	21.7	5.7	76	<0.1	18.4	10.6	472	3.48	4.9	0.4	2.9	2.0	44	<0.1	0.3	<0.1	68	0.44	0.038
31901	Soil		1.1	45.5	5.8	144	<0.1	13.5	15.4	744	3.74	4.5	1.0	4.1	2.3	46	0.3	0.2	<0.1	77	0.72	0.068
31902	Soil		0.8	28.2	4.9	135	<0.1	9.8	9.1	423	2.93	3.5	0.5	1.8	1.9	31	0.2	0.3	<0.1	65	0.56	0.055
31903	Soil		0.8	67.0	3.8	265	<0.1	14.5	18.0	955	3.82	2.4	0.6	1.6	2.3	29	0.3	0.1	<0.1	95	0.84	0.116
31904	Soil		1.6	20.0	12.2	116	<0.1	36.4	15.1	467	3.80	7.5	0.6	0.9	8.3	30	0.3	0.2	<0.1	85	0.52	0.073
31905	Soil		1.0	36.8	4.4	141	<0.1	8.9	12.2	557	3.75	2.7	0.7	0.9	1.9	50	0.3	0.2	<0.1	68	0.90	0.100
31951	Soil		0.5	90.2	2.8	57	<0.1	26.0	20.0	520	3.32	1.3	0.5	1.5	1.3	44	<0.1	0.2	<0.1	91	0.82	0.079
31952	Soil		0.7	95.3	4.8	81	<0.1	22.1	22.8	615	4.35	2.4	0.8	1.6	2.4	32	<0.1	0.2	<0.1	116	0.81	0.099
31953	Soil		0.7	44.0	5.3	88	<0.1	18.8	14.6	552	3.38	4.5	0.8	2.3	2.6	47	0.1	0.3	0.1	88	0.86	0.071
31954	Soil		0.6	30.3	5.4	67	<0.1	16.6	10.8	423	3.01	5.5	0.7	1.6	2.4	36	<0.1	0.4	0.1	77	0.65	0.071
31955	Soil		0.5	21.6	5.4	56	<0.1	15.4	8.7	286	2.75	4.8	0.5	2.2	2.1	37	<0.1	0.3	<0.1	66	0.86	0.131
31985	Soil		0.7	31.1	7.4	79	<0.1	22.5	9.3	630	3.28	8.4	0.7	8.3	3.7	36	<0.1	0.5	0.1	45	0.47	0.036

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
31132	Soil		15	23	0.77	214	0.092	<1	1.71	0.023	0.16	<0.1	0.04	5.0	0.1	<0.05	6	0.5
31133	Soil		23	18	0.54	146	0.090	<1	1.92	0.024	0.08	<0.1	0.03	4.3	<0.1	<0.05	8	0.5
31134	Soil		24	26	0.62	188	0.102	1	1.76	0.024	0.08	<0.1	0.02	5.6	<0.1	<0.05	6	0.5
31135	Soil		13	29	0.65	129	0.122	<1	1.78	0.031	0.09	<0.1	0.01	5.9	<0.1	<0.05	7	<0.5
31136	Soil		7	23	0.73	117	0.115	<1	1.63	0.057	0.09	<0.1	<0.01	5.2	<0.1	<0.05	7	<0.5
31137	Soil		8	23	0.76	114	0.122	<1	1.51	0.047	0.08	<0.1	0.01	4.5	<0.1	<0.05	6	<0.5
31138	Soil		7	21	0.78	114	0.137	<1	1.63	0.048	0.12	<0.1	<0.01	4.7	<0.1	<0.05	7	<0.5
31139	Soil		7	30	0.54	149	0.090	1	1.43	0.025	0.11	0.1	<0.01	2.8	<0.1	<0.05	5	<0.5
31140	Soil		6	16	0.80	183	0.137	<1	1.72	0.025	0.12	0.1	0.01	3.3	<0.1	<0.05	6	<0.5
31141	Soil		9	35	0.52	247	0.086	<1	1.95	0.011	0.09	0.1	0.01	3.1	<0.1	<0.05	6	<0.5
31142	Soil		7	34	0.64	156	0.104	1	2.13	0.010	0.08	0.2	0.02	3.1	<0.1	<0.05	6	<0.5
31143	Soil		6	29	1.17	189	0.241	<1	2.74	0.013	0.42	<0.1	0.02	6.7	0.1	<0.05	13	<0.5
31144	Soil		8	34	0.64	155	0.109	1	2.31	0.017	0.06	0.2	0.01	3.3	<0.1	<0.05	7	<0.5
31145	Soil		8	26	0.84	220	0.162	<1	2.20	0.014	0.24	0.2	0.01	4.7	0.1	<0.05	9	<0.5
31146	Soil		11	30	0.75	198	0.130	1	1.99	0.015	0.11	0.2	0.01	3.9	<0.1	<0.05	7	<0.5
31147	Soil		8	34	0.67	174	0.128	<1	2.51	0.013	0.08	0.1	0.01	3.9	<0.1	<0.05	8	0.6
31148	Soil		11	36	0.79	199	0.133	<1	2.17	0.017	0.06	0.1	0.02	4.6	<0.1	<0.05	7	<0.5
31149	Soil		10	26	0.57	209	0.084	<1	1.93	0.017	0.06	0.1	0.01	3.3	<0.1	<0.05	7	<0.5
31150	Soil		6	31	0.94	156	0.135	<1	2.80	0.012	0.12	0.1	0.01	3.8	0.1	<0.05	9	<0.5
31901	Soil		13	21	0.61	250	0.115	<1	2.04	0.036	0.18	<0.1	0.03	6.6	<0.1	<0.05	8	<0.5
31902	Soil		7	16	0.62	163	0.121	<1	1.65	0.033	0.18	<0.1	0.01	4.3	<0.1	<0.05	6	<0.5
31903	Soil		10	22	0.85	236	0.112	<1	2.23	0.059	0.15	<0.1	0.02	8.2	<0.1	<0.05	9	<0.5
31904	Soil		18	50	0.86	169	0.036	<1	1.60	0.016	0.07	<0.1	0.02	7.8	<0.1	<0.05	7	<0.5
31905	Soil		9	13	0.69	226	0.118	<1	2.21	0.045	0.20	<0.1	0.01	6.4	<0.1	<0.05	8	<0.5
31951	Soil		7	58	0.84	89	0.122	<1	1.99	0.035	0.08	<0.1	0.02	8.1	<0.1	<0.05	7	<0.5
31952	Soil		8	39	0.81	99	0.117	<1	2.22	0.046	0.08	<0.1	0.02	10.4	<0.1	<0.05	9	<0.5
31953	Soil		8	27	0.75	183	0.116	1	2.05	0.033	0.08	<0.1	0.02	7.2	<0.1	<0.05	8	<0.5
31954	Soil		8	30	0.66	146	0.096	1	1.87	0.028	0.06	<0.1	0.02	6.1	<0.1	<0.05	6	<0.5
31955	Soil		7	27	0.59	97	0.095	1	1.89	0.031	0.11	0.1	<0.01	5.4	<0.1	<0.05	6	<0.5
31985	Soil		13	26	0.58	162	0.104	<1	1.87	0.016	0.26	0.1	0.04	5.8	<0.1	<0.05	7	<0.5

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500 - 625 Howe St.
Vancouver BC V6C 2T6 Canada

Project: Lucky Joe
Report Date: August 25, 2008

CERTIFICATE OF ANALYSIS VAN08007841.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
31986	Soil	0.6	57.3	3.4	46	<0.1	45.3	16.7	375	2.67	5.2	0.3	0.8	1.7	69	<0.1	0.2	<0.1	64	1.02	0.095
31987	Soil	0.9	18.8	5.2	33	<0.1	7.3	22.8	460	4.99	3.8	0.3	<0.5	1.3	51	<0.1	0.2	<0.1	129	1.02	0.152
31988	Soil	2.2	68.3	6.1	80	0.2	12.4	15.6	564	7.95	3.4	1.4	4.8	2.2	155	<0.1	0.3	0.2	202	0.79	0.161
31989	Soil	1.9	55.6	7.3	114	0.2	10.0	15.9	530	9.20	3.7	1.5	5.1	2.2	109	<0.1	0.3	0.4	220	0.66	0.099
31990	Soil	3.0	46.3	10.3	99	0.1	17.2	23.0	729	5.27	6.3	1.6	4.1	1.9	48	0.1	0.5	0.2	159	0.98	0.102
31991	Soil	0.9	23.6	8.9	58	<0.1	19.9	10.9	394	2.72	8.0	1.1	2.8	3.6	37	0.2	0.5	0.2	66	0.56	0.046
31992	Soil	1.6	58.3	6.6	117	<0.1	10.0	19.4	769	5.52	4.3	0.8	2.3	1.3	58	0.2	0.2	<0.1	154	1.15	0.151
31993	Soil	2.3	35.0	7.4	138	<0.1	16.6	25.1	1012	6.25	3.4	0.7	2.4	1.5	51	0.1	0.3	<0.1	195	0.98	0.078
31994	Soil	1.2	20.6	14.1	81	<0.1	29.2	12.8	352	3.34	7.4	0.8	1.6	8.0	29	0.2	0.3	0.1	82	0.49	0.050
31995	Soil	1.3	22.4	13.2	113	<0.1	35.9	13.9	461	3.66	7.4	0.8	1.0	9.7	29	0.2	0.3	0.1	88	0.51	0.062
31996	Soil	1.7	32.1	22.1	115	0.1	28.2	12.8	718	3.31	8.8	1.0	2.0	5.3	46	0.3	0.3	0.1	89	0.79	0.070
31997	Soil	1.5	38.8	15.9	104	0.1	26.7	13.4	492	3.12	7.5	1.3	2.8	4.7	41	0.4	0.4	0.2	80	0.74	0.064
31998	Soil	1.3	33.7	19.3	94	0.1	18.4	13.2	571	3.11	6.7	1.1	2.6	3.7	37	0.2	0.4	0.2	81	0.57	0.057
31999	Soil	1.6	55.8	13.0	103	0.1	22.1	16.0	1255	3.13	6.8	1.1	3.3	3.8	40	0.3	0.4	0.2	76	0.69	0.071
32000	Soil	1.1	33.0	11.4	100	<0.1	20.6	10.0	397	2.91	5.8	1.4	2.4	4.1	35	0.1	0.3	0.2	76	0.58	0.060

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CERTIFICATE OF ANALYSIS VAN08007841.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
31986	Soil	4	44	1.23	126	0.139	<1	2.50	0.025	0.17	0.1	<0.01	3.8	<0.1	<0.05	7	<0.5
31987	Soil	5	9	1.25	111	0.129	1	2.65	0.037	0.21	0.1	0.01	7.4	<0.1	<0.05	10	<0.5
31988	Soil	12	9	1.79	388	0.191	<1	3.44	0.047	0.46	<0.1	0.04	15.5	0.1	0.34	14	1.3
31989	Soil	11	7	1.62	308	0.126	<1	2.87	0.069	0.15	<0.1	0.04	16.1	<0.1	0.31	14	1.7
31990	Soil	8	13	0.89	281	0.140	1	2.19	0.061	0.17	<0.1	0.02	11.7	<0.1	<0.05	9	<0.5
31991	Soil	14	29	0.53	265	0.084	1	1.66	0.023	0.06	0.2	0.02	5.3	<0.1	<0.05	5	<0.5
31992	Soil	9	14	1.08	345	0.156	<1	2.89	0.048	0.49	<0.1	0.03	10.9	0.2	<0.05	11	<0.5
31993	Soil	7	20	1.56	331	0.136	<1	3.12	0.038	0.30	<0.1	0.03	9.3	0.1	<0.05	12	<0.5
31994	Soil	20	36	0.63	190	0.059	<1	1.63	0.013	0.09	<0.1	0.03	6.0	<0.1	<0.05	7	<0.5
31995	Soil	21	49	0.80	167	0.049	<1	1.64	0.020	0.08	<0.1	0.03	7.8	<0.1	<0.05	8	<0.5
31996	Soil	19	44	0.81	228	0.057	2	1.78	0.019	0.08	0.2	0.05	7.8	<0.1	<0.05	7	<0.5
31997	Soil	20	31	0.75	263	0.067	1	1.78	0.023	0.07	0.1	0.06	7.0	0.1	<0.05	7	<0.5
31998	Soil	14	35	0.74	244	0.083	1	1.83	0.027	0.07	0.1	0.04	6.3	<0.1	<0.05	6	<0.5
31999	Soil	15	29	0.72	267	0.078	1	1.74	0.021	0.07	<0.1	0.05	5.3	<0.1	<0.05	7	<0.5
32000	Soil	16	31	0.78	222	0.072	1	2.02	0.017	0.07	<0.1	0.04	5.5	0.1	<0.05	8	<0.5

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Project: Lucky Joe
Report Date: August 25, 2008

QUALITY CONTROL REPORT VAN08007841.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
31049	Soil	0.6	34.7	4.2	127	<0.1	17.3	14.9	987	5.84	4.7	0.5	<0.5	2.3	16	<0.1	0.3	<0.1	74	0.37	0.067
REP 31049	QC	0.5	36.6	4.2	132	<0.1	18.2	16.4	1001	6.25	4.9	0.5	1.3	2.2	15	<0.1	0.3	<0.1	78	0.36	0.066
31055	Soil	0.7	40.5	7.1	59	<0.1	29.0	10.0	398	3.41	9.5	1.4	7.4	3.7	27	<0.1	0.7	0.1	57	0.41	0.036
REP 31055	QC	0.7	40.0	6.9	59	<0.1	28.7	10.6	394	3.47	9.7	1.4	1.3	3.5	27	<0.1	0.7	0.1	60	0.43	0.037
31073	Soil	0.8	48.8	6.4	226	<0.1	19.4	14.5	871	4.73	6.5	0.4	2.6	1.8	63	0.3	0.4	<0.1	106	0.81	0.091
REP 31073	QC	0.8	49.2	6.3	226	<0.1	18.9	14.4	834	4.61	6.6	0.4	1.3	1.9	63	0.3	0.4	<0.1	102	0.80	0.091
31094	Soil	1.1	41.0	11.0	228	<0.1	23.5	13.6	1004	4.07	4.0	0.6	1.9	2.0	92	0.3	0.2	<0.1	64	1.16	0.070
REP 31094	QC	1.1	43.8	10.4	237	<0.1	25.1	15.1	1072	4.39	4.3	0.6	1.7	2.0	94	0.3	0.2	<0.1	68	1.23	0.071
31134	Soil	0.8	36.5	7.6	79	<0.1	17.6	8.6	333	2.81	4.7	1.4	3.0	6.5	50	<0.1	0.3	0.1	61	0.62	0.062
REP 31134	QC	0.8	36.1	7.7	76	<0.1	17.4	8.4	327	2.78	4.7	1.4	2.4	6.6	48	<0.1	0.4	0.1	57	0.62	0.063
31902	Soil	0.8	28.2	4.9	135	<0.1	9.8	9.1	423	2.93	3.5	0.5	1.8	1.9	31	0.2	0.3	<0.1	65	0.56	0.055
REP 31902	QC	0.9	29.4	4.7	138	<0.1	10.9	10.0	444	3.16	3.6	0.5	1.7	2.0	33	0.2	0.3	<0.1	70	0.55	0.057
31994	Soil	1.2	20.6	14.1	81	<0.1	29.2	12.8	352	3.34	7.4	0.8	1.6	8.0	29	0.2	0.3	0.1	82	0.49	0.050
REP 31994	QC	1.2	19.7	13.7	80	<0.1	28.9	12.5	353	3.36	7.3	0.8	1.6	7.8	29	0.2	0.3	0.1	82	0.48	0.048
Reference Materials																					
STD DS7	Standard	19.4	107.1	55.7	399	0.8	54.7	9.5	607	2.54	48.2	4.2	61.1	3.6	61	6.4	4.9	3.8	79	0.82	0.074
STD DS7	Standard	20.0	105.0	75.8	374	0.8	55.5	9.1	607	2.27	46.9	5.2	61.1	5.0	76	6.1	5.9	4.6	88	0.93	0.067
STD DS7	Standard	18.9	104.5	72.0	399	0.9	55.8	8.4	616	2.37	51.3	4.6	65.2	3.8	70	6.0	6.1	4.3	83	0.90	0.077
STD DS7	Standard	21.0	116.7	72.1	405	0.8	59.2	9.5	628	2.40	49.4	4.6	64.6	4.0	74	5.9	5.6	4.1	89	0.93	0.075
STD DS7	Standard	21.3	108.9	65.4	391	0.8	58.0	9.5	594	2.32	48.6	4.5	80.9	3.6	60	5.6	4.9	3.4	100	0.94	0.070
STD DS7 Expected		20.9	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	5.9	4.5	86	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

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QUALITY CONTROL REPORT VAN08007841.1

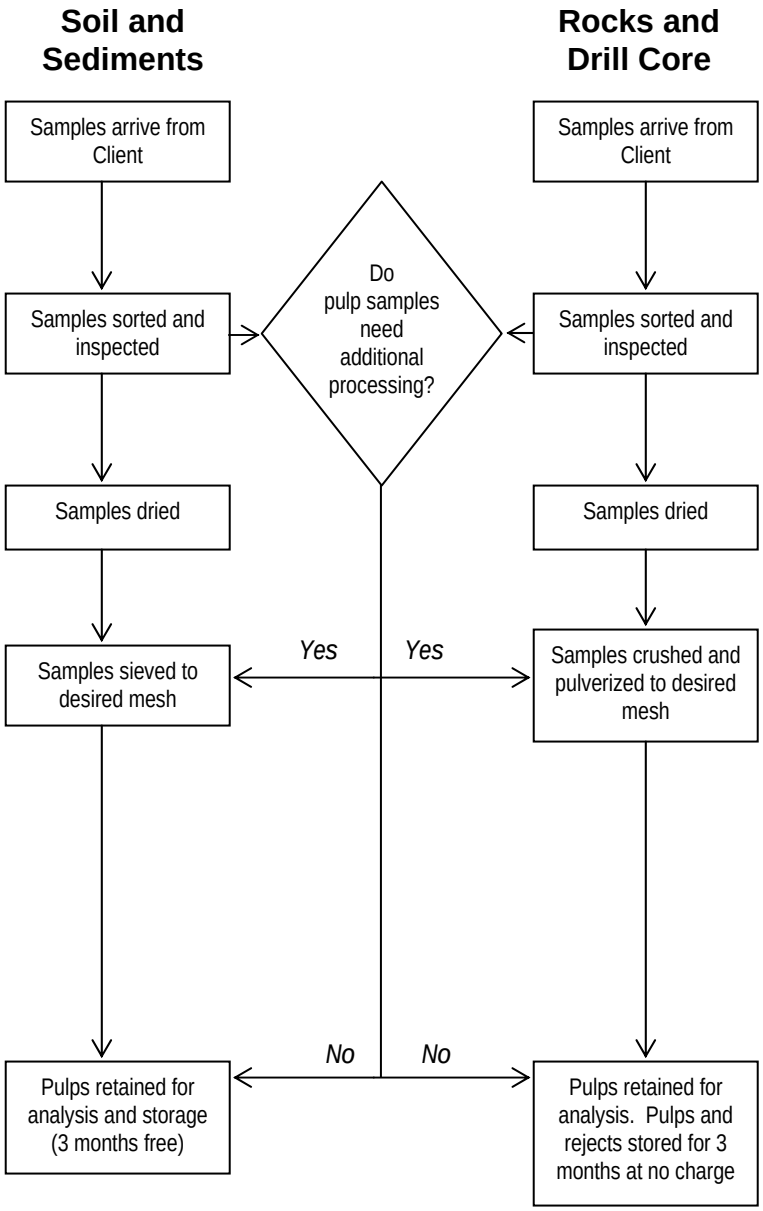
	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
Pulp Duplicates																	
31049	Soil	9	18	1.26	254	0.215	<1	2.60	0.012	0.97	<0.1	0.02	8.2	0.3	<0.05	11	<0.5
REP 31049	QC	10	19	1.30	245	0.224	<1	2.73	0.011	0.96	<0.1	0.02	8.2	0.3	<0.05	12	<0.5
31055	Soil	15	35	0.58	286	0.091	<1	1.57	0.028	0.07	0.2	0.04	5.7	<0.1	<0.05	5	0.5
REP 31055	QC	15	36	0.57	270	0.099	1	1.62	0.029	0.07	0.1	0.05	5.9	<0.1	<0.05	5	0.5
31073	Soil	6	24	1.39	236	0.204	<1	2.61	0.017	0.34	0.2	0.04	7.2	0.1	<0.05	11	<0.5
REP 31073	QC	6	23	1.37	237	0.196	<1	2.72	0.017	0.34	0.2	0.04	6.9	<0.1	<0.05	11	<0.5
31094	Soil	8	35	1.27	235	0.188	<1	3.53	0.014	0.58	<0.1	0.02	5.2	0.2	<0.05	13	<0.5
REP 31094	QC	8	37	1.31	240	0.196	<1	3.59	0.014	0.60	<0.1	0.02	5.5	0.2	<0.05	13	<0.5
31134	Soil	24	26	0.62	188	0.102	1	1.76	0.024	0.08	<0.1	0.02	5.6	<0.1	<0.05	6	0.5
REP 31134	QC	23	24	0.61	189	0.102	<1	1.81	0.025	0.07	0.1	0.03	5.5	<0.1	<0.05	6	<0.5
31902	Soil	7	16	0.62	163	0.121	<1	1.65	0.033	0.18	<0.1	0.01	4.3	<0.1	<0.05	6	<0.5
REP 31902	QC	7	17	0.63	163	0.127	<1	1.74	0.034	0.18	<0.1	<0.01	4.6	<0.1	<0.05	6	<0.5
31994	Soil	20	36	0.63	190	0.059	<1	1.63	0.013	0.09	<0.1	0.03	6.0	<0.1	<0.05	7	<0.5
REP 31994	QC	20	36	0.66	196	0.063	1	1.66	0.015	0.09	0.1	0.03	5.8	<0.1	<0.05	6	<0.5
Reference Materials																	
STD DS7	Standard	11	194	0.99	345	0.112	36	0.94	0.073	0.46	3.9	0.21	2.3	4.4	0.16	4	3.6
STD DS7	Standard	13	203	1.01	364	0.129	35	1.01	0.091	0.44	3.5	0.22	2.8	4.2	0.19	5	2.5
STD DS7	Standard	12	192	1.03	394	0.116	38	0.96	0.086	0.47	3.8	0.20	2.2	4.6	0.21	4	3.8
STD DS7	Standard	12	210	1.05	393	0.122	38	1.00	0.099	0.45	3.6	0.22	2.2	4.2	0.15	5	3.5
STD DS7	Standard	12	212	1.05	369	0.126	36	1.01	0.086	0.44	3.3	0.21	2.6	4.0	0.23	5	3.4
STD DS7 Expected		13	163	1.05	370	0.124	39	0.959	0.073	0.44	3.8	0.2	2.5	4.2	0.21	5	3.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5

APPENDIX IV
ANALYTICAL METHODS

ACME ANALYTICAL LABORATORIES LTD.

ISO 9001:2000
FM 63007
Vancouver 2003

GENERAL SAMPLE PREPARATION METHODS



Comments

Receiving: Samples arrive via courier, post or by client drop-off; shipment inspected for completeness.

Sorting and Inspection: Samples sorted and inspected for quality of use (quantity and condition). Pulp samples inspected for homogeneity and fineness. Coarse pulps are screened or pulverized after getting client's approval.

Drying: Wet or damp samples are dried at 60°C (40°C if specified by the client).

Sieving: Soil and sediment sieved to -80 mesh ASTM (-177 microns) unless client specifies otherwise. Sieve cleaned by brush and compressed air between samples. Reference material G-1 (pulp made of granite blank) is carried as first sample in sequence (sieve›weigh›digest›analyse) to monitor background noise.

Crushing and Pulverizing: Rock and Drill Core crushed to 70% passing 10 mesh (2 mm), homogenized, riffle split (250 g subsample) and pulverized to 95% passing 150 mesh (100 microns). Crusher and pulverizer are cleaned by brush and compressed air between routine samples. Granite wash scours equipment after high-grade samples, between changes in rock colour and at end of each file. Granite is crushed and pulverized as first sample in sequence and carried through to analysis to monitor background noise.

Compositing: Equal weights of crushed, pulverized or sieved material from 2 or more samples are combined and pulverized for 60+ seconds to produce a homogeneous mixture.

Storage: Pulp samples (up to 100g for soils or sediments and up to 250 g for rock and drill core) are archived for 3 months at no cost. Soil and sediment rejects are discarded immediately. Rock and drill core rejects are stored for 3 months at no charge. Client may request additional storage, return or disposal of pulps and rejects after initial free storage period.

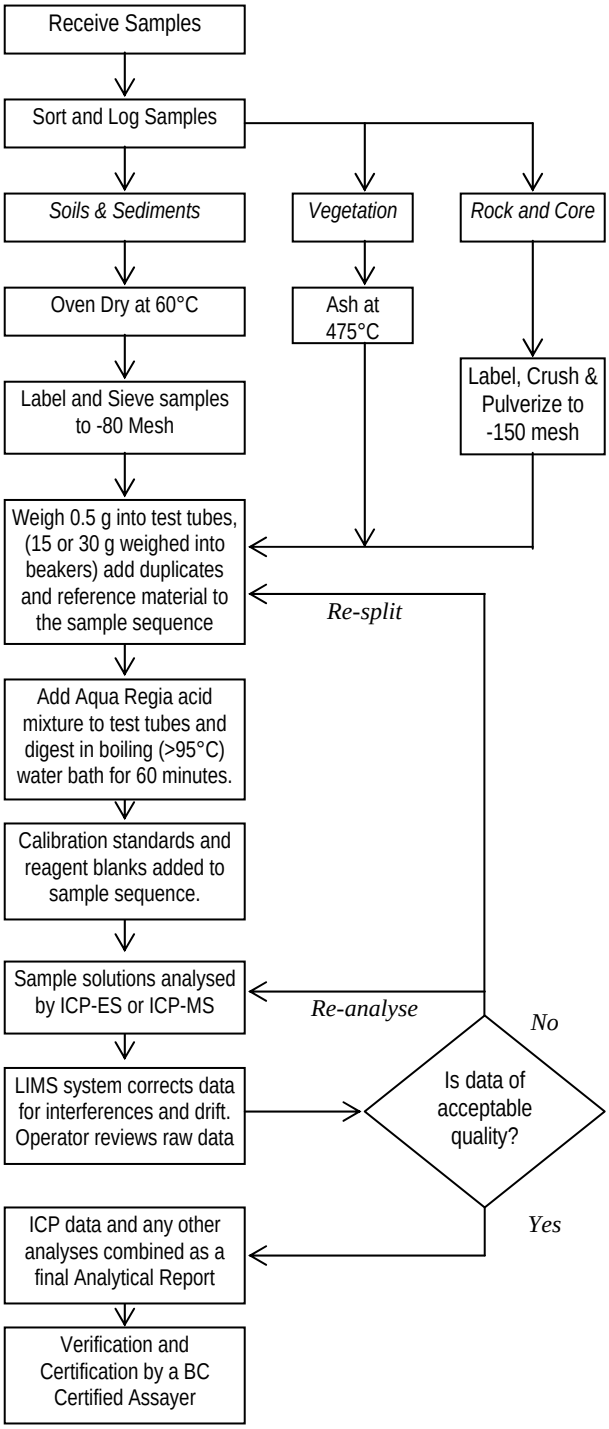
852 East Hastings Street, Vancouver, BC Canada V6A 1R6
Phone (604) 253 3158 Fax (604) 253 1716 e-mail: acmeinfo@acmelab.com

AcmeLabs ACME ANALYTICAL LABORATORIES LTD.

ISO 9001:2000 FM 63007 Vancouver 2003

METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 1D & 1DX – ICP & ICP-MS ANALYSIS – AQUA REGIA

Analytical Process



Comments

Sample Preparation

All samples are dried at 60°C. Soil and sediment are sieved to -80 mesh (-177 μm). Moss-mats are disaggregated then sieved to yield -80 mesh sediment. Vegetation is pulverized or ashed (475°C). Rock and drill core is jaw crushed to 70% passing 10 mesh (2 mm), a 250 g riffle split is then pulverized to 95% passing 150 mesh (100 μm) in a mild-steel ring-and-puck mill. Pulp splits of 0.5 g are weighed into test tubes, 15 and 30 g splits are weighed into beakers.

Sample Digestion

A modified Aqua Regia solution of equal parts concentrated ACS grade HCl and HNO_3 and de-mineralised H_2O is added to each sample to leach for one hour in a hot water bath (>95°C). After cooling the solution is made up to final volume with 5% HCl. Sample weight to solution volume is 1 g per 20 mL.

Sample Analysis

Group 1D: solutions aspirated into a Jarrel Ash AtomComp 800 or 975 ICP or Spectro Ciros Vision emission spectrometer are analysed for 30 elements: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, Th, Ti, U, V, W, Zn.

Group 1DX: solutions aspirated into a Perkin Elmer Elan 6000/9000 ICP mass spectrometer are analysed for 36 elements: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, *Ga*, *Hg*, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, *S*, Sb, *Sc*, *Se, Tl*, Sr, Th, Ti, U, V, W, Zn.

Quality Control and Data Verification

An Analytical Batch (1 page) comprises 36 samples. QA/QC protocol incorporates a sample-prep blank (G-1) carried through all stages of preparation and analysis as the first sample, a pulp duplicate to monitor analytical precision, a -10 mesh rejects duplicate to monitor sub-sampling variation (drill core only), a reagent blank to measure background and an aliquot of in-house Standard Reference Materials like STD DS7 to monitor accuracy.

Raw and final data undergo a final verification by a British Columbia Certified Assayer who signs the Analytical Report before it is released to the client.

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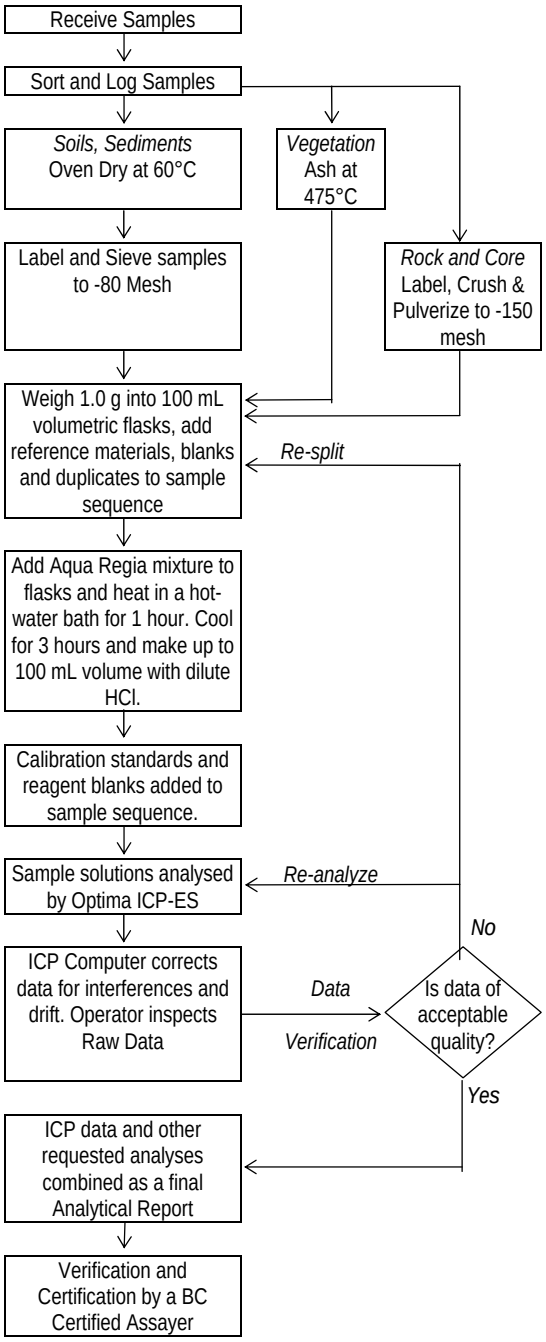
Phone (604) 253 3158 Fax (604) 253 1716 e-mail: acmeinfo@acmelab.com

ACME ANALYTICAL LABORATORIES LTD.

ISO 9001:2000
FM 63007
Vancouver 2003

METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 7AR – MULTI-ELEMENT ASSAY BY ICP-ES • AQUA REGIA DIGEST

Analytical Process



Comments

Sample Preparation

Assaying is warranted for representative well-mineralized samples (eg. Cu > 1%). Samples are dried at 60°C. Soil, sediment and moss mats (after pounding) are sieved to -80 mesh (-177 μm). Vegetation is dried (60°C) and pulverized or ashed (475°C). Rock and drill core is jaw crushed to 70% passing 10 mesh (2 mm), a 250 g aliquot is riffle split and pulverized to 95% passing 150 mesh (100 μm) in a mild-steel ring-and-puck mill. Aliquots of 1.000 ± 0.002 g are weighed into 100 mL volumetric flasks. Acme's QA/QC protocol requires one pulp duplicate to monitor analytical precision and a blanks and aliquot of in-house reference material sush as STD R3 or GC7 to monitor accuracy in each batch of 36 samples. Trench and drill core programs will also include a pulp made from a 2nd crushed fraction split (rejects duplicate) to measure method precision.

Sample Digestion

30 mL of Aqua Regia, a 1:1:1 mixture of ACS grade concentrated HCl, concentrated HNO_3 and de-mineralised H_2O, is added to each sample. Samples are digested for one hour in a hot water bath (>95°C). After cooling for 3 hrs, solutions are made up to volume (100 mL) with dilute (5%) HCl. Very high-grade samples may require a 1 g to 250 mL or 0.25 g to 250 mL sample/solution ratio for accurate determination. Acme's QA/QC protocol requires simultaneous digestion of a regent blank inserted in each batch.

Sample Analysis

Sample solutions are aspirated into a Spectro Ciros Vision ICP emission spectrograph to determine 21 elements: Ag, Al, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, W, Zn.

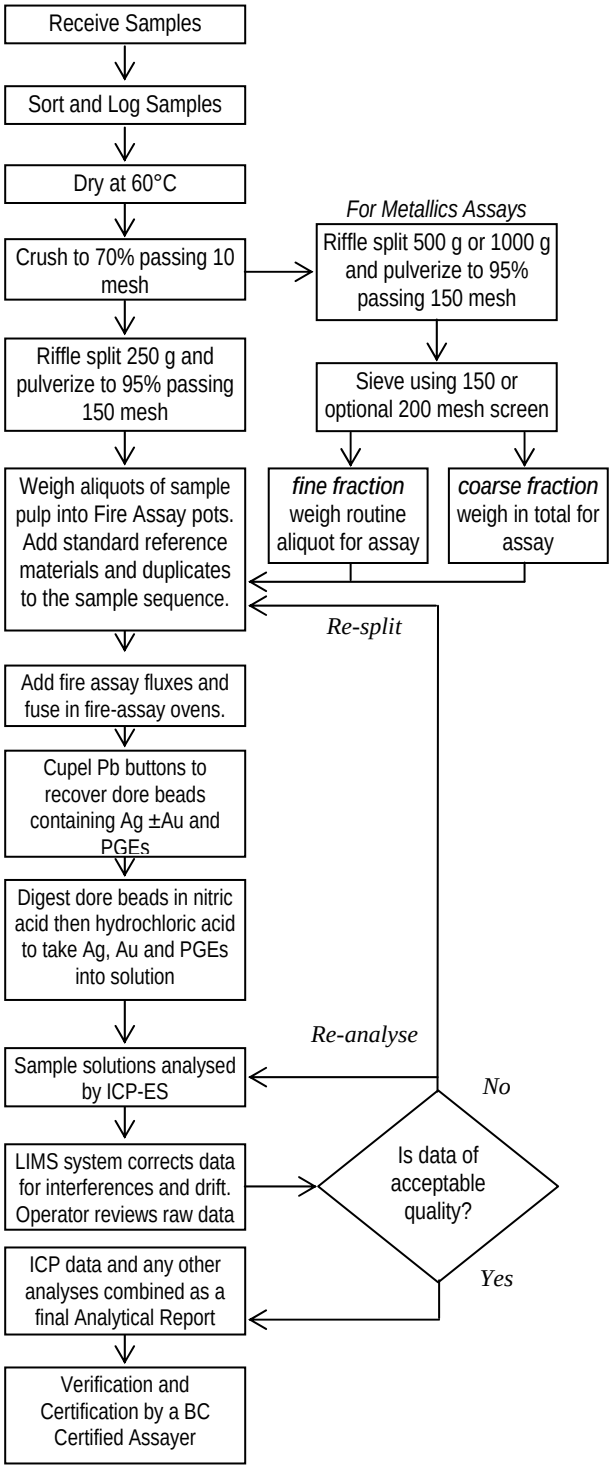
Data Evaluation

Raw and final data from the ICP-ES undergoes a final verification by a British Columbia Certified Assayer who then signs the Analytical Report before it is released to the client.

852 East Hastings Street, Vancouver, BC Canada V6A 1R6
Phone (604) 253 3158 Fax (604) 253 1716 e-mail: acmeinfo@acmelab.com

METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE
GROUP 6 – PRECIOUS METALS ASSAY

Analytical Process



Comments

Sample Preparation

Rock and drill core are jaw crushed to 70% passing 10 mesh (2 mm), a 250 g riffle split is then pulverized to 95% passing 150 mesh (100 μm) in a mild-steel ring-and-puck mill. One assay ton aliquots (29.2 g) are weighed into fire assay crucibles. Option for 2 assay-ton aliquots is available on request. Smaller aliquots of ¼ or ½ assay ton may be required with difficult ore matrices.

Metallics Assay: A 500 g reject split (or optional 1000 g) is pulverized to 95% passing 150 mesh. Screening the pulp gives a fine and coarse fraction (containing any coarse gold) for assaying.

Sample Digestion

The sample aliquot is custom blended with fire assay fluxes, PbO litharge and a Ag inquart. Firing the charge at 1050°C liberates Au, Ag ± PGEs that report to the molten Pb-metal phase. After cooling the Pb button is recovered placed in a cupel and fired at 950°C to render a Ag ± Au ± PGEs dore bead. The bead is weighed and parted (i.e. leached in 1 mL of hot HNO_3) to dissolve Ag leaving a Au sponge. Adding 10 mL of HCl dissolves the Au ± PGE sponge.

Sample Analysis

Solutions are analysed for Ag, Au, Pt and Pd on a Jarrel-Ash Atomcomp model 975 ICP emission spectrometer. Au in excess of 30 g/t forms a large sponge that can be weighed (gravimetric finish). Ag in excess of 100 g/t is reported from the fire assay, otherwise a separate split is digested in aqua regia and analysed by ICP-ES (Group 7AR).

Metallics Assay: The coarse fraction is assayed in total. An aliquot of the fine fraction is assayed. Results report the total Au in the coarse fraction, the fine-fraction Au concentration and a weighted average Au concentration for the entire sample.

Quality Control and Data Verification

An Analytical Batch (1 page) comprises 34 samples. QA/QC protocol incorporates a sample-prep blank (G-1) as the first sample carried through all stages of preparation to analysis, a pulp duplicate to monitor analytical precision, a -10 mesh rejects duplicate to monitor sub-sampling variation (drill core only), two reagent blanks to measure background and aliquots of Rocklabs Certified Reference Materials like SL20 to monitor accuracy.

Raw and final data undergo a final verification by a British Columbia Certified Assayer who signs the Analytical Report before it is released to the client.

852 East Hastings Street, Vancouver, BC Canada V6A 1R6
Phone (604) 253 3158 Fax (604) 253 1716 e-mail: acmeinfo@acmelab.com

APPENDIX V
RECEIPTS

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East
Vancouver, BC Canada V6A 4A3
Phone 604 253 3158 Fax 604 253 1716
GST # 843013921 RT

Bill To: Copper Ridge Exploration Inc.
500 - 625 Howe St.
Vancouver, BC V6C 2T6
Canada

Invoice Date: August 30, 2008
Invoice Number: **VANI011754**
Submitted by: Greg Dawson
Job Number: VAN08007841
Order Number:
Project Code: Lucky Joe
Shipment ID:
Quote Number:

ANALYSIS
1560

Item	Package	Description	Sample No.	Unit Price	Amount
1	SS80	Sieve 100g soil to -80 mesh	135	$2.03	$274.05
2	G1DX-15G	15g Aqua Regia digestion ICP-MS	135	$16.42	$2216.70
3	RJSV	Saving all or portion of soil reject	135	$1.80	$243.00
4	STOR-PLP	3 months of pulp storage	135	$0.43	$58.05
5	DIS-PLP	Warehouse disposition of pulps	135	$0.09	$12.15
6	DIS-RJT	Warehouse disposition of reject	135	$0.23	$31.05

POSTED

Prices reflect discount of 10% where applicable.	Net Total		$2,835.00
	Canadian GST		$141.75
	Grand Total	**CAD**	**$2976.75**

Invoice Stated In Canadian Dollars

Payment Terms:

This is a professional service. Payment due upon receipt. Please pay the last amount shown on the invoice.

For cheque payments, please remit payment to the above address, made payable to: Acme Analytical Laboratories (Vancouver) Ltd.
Please specify Acme invoice number on cheque remittance.

For electronic payments, please wire funds to one of the following accounts:

For payment in Canadian Funds:
Acme Analytical Laboratories (Vancouver) Ltd.
The Royal Bank of Canada
400 Main Street
Vancouver, BC Canada V6A 2T5
Account # 1034123
Bank Transit # 07120-003
Swift Code: ROYCCAT2

For payment in US Funds:
Acme Analytical Laboratories (Vancouver) Ltd.
The Royal Bank of Canada
400 Main Street
Vancouver, BC Canada V6A 2T5
Account # 4001533
Bank Transit # 07120-003
Swift Code: ROYCCAT2

Please specify Acme invoice number for reference on transfer forms when making payment.

RYANWOOD EXPLORATION INC.

INVOICE

Box 213
Dawson City, Yukon Y0B 1G0
Phone 1-867-993-5219 Fax 1-867-993-5201

July 24, 2008

INVOICE #2008-102

Bill To:
Copper Ridge Exploration

For:
Lucky Joe Soil and Mag Work

DESCRIPTION	AMOUNT
Soiling - 5 man days @ $330/day	$1,650.00
Mag Work - 1 man day @ $450/day	$450.00
Mag Rental - 1 day @ $250/day	$250.00
Weather Day - 2 man days @ $50/day	$100.00
Soil Bags - 135 bags @ $.60/bag/tag	$81.00
Computer & Prep Soils for Drying/Shipping - .5 day @ $330/day	$165.00

Lucky Joe
Geochemistry

POSTED 1331

GST #86418 7547 RT0001

SUBTOTAL	$	2,696.00
GST		5.00%
SALES TAX		134.80
OTHER		-
TOTAL	$	2,830.80

Make all checks payable to **Ryanwood Exploration Inc.**

THANK YOU FOR YOUR BUSINESS!

FIREWEED HELICOPTERS

INVOICE

INVOICE #2171

TO: Copper Ridge Explorations Inc.
Suite 500 – 625 Howe Street
Vancouver, BC V6C 2T6

POSTED 1544

Attention: Accounts Payable

DATE OF INVOICE: August 5, 2008

****

RE: Helicopter Charter

July 21, 2008	Ticket #6111	HOURS:	1.9	FEES:	$ 2,090.00
July 22, 2008	Ticket #6114	HOURS:	2.0	FEES:	$ 2,200.00
July 23, 2008	Ticket #6116	HOURS:	2.0	FEES:	$ 2,200.00
		TOTAL HOURS:	**5.9**		

LUCKY JOE HELICOPTERS

TOTAL FEES:	$ 6,490.00
FUEL:	$ 1,076.16
SUBTOTAL:	**$ 7,566.16**
GST #128659828 @ 5%:	$ 378.31
BALANCE DUE:	**$ 7,944.47**

PAYMENT DUE UPON RECEIPT FT

THANK YOU

Terms: 2% interest per month will be charged after 30 days of invoice date. **Confidential Contract**

WHITEHORSE 867-668-5888 fax: 867-668-7875
DAWSON CITY 867-993-5700 fax: 867-993-6839
Box 26, Whitehorse, Yukon Y1A 5X9

KLUANE FREIGHT LINES LTD.
WHITEHORSE • DAWSON CITY

ACCOUNTING OFFICE:
BOX 629
DAWSON CITY, Y.T.
Y0B 1G0
PH. 867-993-5568
WHITEHORSE: 867-667-7447

HEAD OFFICE - SIGNATURE COPY

QUOTE THIS NUMBER WHEN REFERRING TO THIS SHIPMENT

PROBILL NO. D 08732

DATE	BILL TO INTERLINER		INTERLINER PRO NUMBER
July 25/08	YES	NO	

SHIPPER	CONSIGNEE
COPPER RIDGE EXPLORATIONS INC SOO-625 HOWE ST. VANCOUVER BC V6C 2T6 (604) 688 0833	ACME ANALYTICAL LABS 852 EAST HASTINGS ST. VANCOUVER BC V6A 1R6.

PCS.	DESCRIPTION	WEIGHT	RATE	BILL TO SHIPPER	BILL TO RECEIVER
4	Bags Samples	195		43.19 12.09 55.28	

MANITOULIN TRANSPORT 1-800-265-1485
11511365

REFERENCE NO.	ANY LOSS OR DAMAGE MUST BE NOTED ON PRO BILL OTHERWISE CONSIGNEE'S SIGNATURE WILL NOT BE HONORED. REC'D SUBJECT TO CLASSIFICATIONS & TARIFFS IN EFFECT TO DATE.	GST	276	
		DECLARED VALUE		C.O.D. / FEE
REC'D BY P. Jones	SHIPPER X	TOTALS	53.04	