

**2007 Assessment Report
for the
Casino Property**

Whitehorse Mining District
Yukon Territory
NTS 115J/10
Latitude: 62° 44' N
Longitude: 138° 50'

Quartz Claims:

Grant Number	Claim Name
56983	#1 AIRPORT GROU
56979	#1 BOMBER GROUP
56990	#2 AIRPORT GROU
56987	#2 BOMBER GROUP
56984	#3 AIRPORT GROU
56980	#3 BOMBER GROUP
56991	#4 AIRPORT GROU
56985	#5 AIRPORT GROU
56981	#5 BOMBER GROUP
56992	#6 AIRPORT GROU
56988	#6 BOMBER GROUP
92201	CAT 1
92215	CAT 15
92216	CAT 16
92217	CAT 17
92218	CAT 18
92202	CAT 2
Y 51847	CAT 2
92764	CAT 23
92765	CAT 24
92766	CAT 25
Y 51849	CAT 26

Grant Number	Claim Name
92203	CAT 3
92776	CAT 35
92777	CAT 36
92779	CAT 38
92781	CAT 40
92783	CAT 42
95740	CAT 63
95741	CAT 64
4252	HELICOPTER
Y 10700	JOE 96
Y 35585	LOST FR. 1
Y 35586	LOST FR. 2
Y 35587	LOST FR. 3
Y 35584	MOUSE 163
YC64965	VIK 73
YC64966	VIK 74
YC64967	VIK 75
YC64968	VIK 76
YC64969	VIK 77
YC64970	VIK 78
YC64971	VIK 79
YC64972	VIK 80

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SUMMARY

Western Copper Corporation resumed mineral exploration activities on the Casino Property, Whitehorse Mining District, in June 2007. This marked the first exploration activity on the property since the exploration drilling program undertaken by Pacific Sentinel Gold Corp. from 1993-1995.

The 2007 exploration program focused on the Pb-Zn-Ag vein occurrences south of the Casino porphyry copper deposit. The exploration program consisted of geophysical and soil geochemistry surveys.

The field, data processing and reporting work was contracted to Aurora Geosciences Ltd. of Whitehorse, YT. by Western Copper Corporation.

The surveys covered an area to the south of the Patton Hill, an area of 3km in SW-NE direction by 1.5km in NW-SE direction, for a total of 450 ha. The survey grids were centred on the Bomber vein system and were designed to encompass the Helicopter showing to the west and galena vein occurrences close to the Casino Creek headwaters to the east (reported in 1960's as C-grid or C-anomaly). This survey also was designed to cover a historical geophysical surveying gap that existed between the vein systems and the porphyry deposit. The survey area is also adjacent to the soil sampling grid which had covered the north slope of the Patton Hill in 1994.

Horizontal Loop Electromagnetic (HLEM) and Very Low Frequency Electromagnetic (VLF) surveys were tested on three cut lines (approx. 6 line km) and then VLF and total magnetic field (TMF) were continued over the remainder of the grid on uncut lines at a combination of 50 m and 100 m spaced lines.

A total of 57.5 line kilometers for VLF and 83.7 line kilometers for total magnetic field were surveyed. Geophysical survey lines were laid out perpendicular to the general N40W trend of the veins at the Bomber and Helicopter showings.

Soil sampling was conducted on the entire grid at 50 m centress. A total of 1009 soil samples were collected and sent for analyses to Acme Analytical Laboratories of Vancouver, BC.

The surveys identified crossing sets of conductors with associated anomalous soil geochemistry in the vicinity of the known high grade Pb-Zn-Ag showings and along the known trends. Based on this positive correlation, several target areas were identified that warrant further investigation.

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1.0 INTRODUCTION

The Casino district of the central Yukon Territory contains a major intrusive–breccia complex which is the locus of the Casino porphyry copper-gold-molybdenum system. South of the centre, on three locations, galena veins with high silver values were discovered in the 1940's and 1960's. The most extensive exploration program on the three vein systems was conducted between 1965 and 1967 and included geophysical surveying, trenching and small diameter (AX) diamond drilling. The Bomber vein system was also briefly mined by bulldozer trenching and underground workings in the 1960's and 1970's. It is believed that further exploration potential exists parallel to and along the strike of the vein systems to the northwest.

Since the discovery of the adjacent Cu-Mo-Au porphyry deposit on Patton Hill in the late sixties, the exploration focus shifted from the vein systems to the Patton Hill porphyry, and the area in-between remained underexplored. In 2007 Western Copper Corporation conducted an exploration program to cover this area. The program consisted of geophysical and soil geochemistry surveys.

2.0 LOCATION AND ACCESS

The Casino Property is in the west central Yukon, in the north-westerly trending Dawson Range Mountains, 300 km northwest of the territorial capital of Whitehorse. Figure 1 is a map showing the location of Casino property in relation to the Yukon, British Columbia and the Northwest Territories.

The Casino porphyry copper-gold-molybdenum deposit is located at latitude 62° 44' 16"N and longitude 138° 49' 41"W. The Bomber vein system is located approximately 2 km south of the Casino deposit, at latitude 62° 43' 13"N and longitude 138° 49' 14"W. Both the Casino deposit and the Bomber vein system are shown on NTS map sheet 115J/10.

The property is accessed primarily by air using fixed wing aircraft and an existing 760 m long airstrip at the site. Alternative accessing is possible in summer by operating a river barge on the Yukon River based out of Minto Landing. The barge landing is located at a point 19 km from the Casino camp near the mouth of Britannia Creek.

Historically, overland access to the property has been made using two winter road routes. The shorter route extends 194 km northwest from Carmacks: 82 km along the Freegold Road, 40 km along the Casino Trail and 72 km along a bulldozer trail. The other route extends north 224 km from Km 1762 (Burwash Landing) on the Alaska Highway. This route offers better grades than Carmacks route.



Figure 1 – Property Location

4.0 PHYSIOGRAPHY AND CLIMATE

The Dawson Range forms a series of well-rounded ridges and hills that reach a maximum elevation of 1,675 m above mean sea level (ASL). The ridges rise above the Yukon Plateau, a peneplain at approximately 1200 m ASL, which is deeply incised by the mature drainage of the Yukon River watershed.

The characteristic terrain consists of rounded, rolling topography with moderate to deeply incised valleys. Major drainage channels extend below 1,000 m elevation. Most of the project lies between the 650 m elevation at Dip Creek and an elevation of 1,400 m at Patton Hill. The most notable local physical feature is the Yukon River, which flows to the west about 16 km north of the project site.

Most of the Dawson Range escaped Pleistocene continental glaciation; although minor alpine glaciation produced small cirques and terminal moraines locally.

The climate in the Dawson Range is subarctic. Permafrost is widespread but discontinuous. Outcrop is rare except on hill tops and rugged ridge crests. The residual nature of much of the rubble on upper slopes allows for generalized geological mapping and good geochemical and geophysical interpretation. Most broad valleys are filled with thick alpine glacial debris and alluvium, which mask bedrock geology and associated geochemical and geophysical signatures.

The mean annual temperature for the area is approximately -5.5°C with a summer mean of 10.5°C and a winter mean of -23°C. Mean annual precipitation ranges between 300-450 mm.

Snow survey data for the years 1977 to 1994 (based on information from Hallam Knight Piésold, Casino Project, Data Report 1993-1995, March 1997) showed the maximum snow depth was 97 cm containing the equivalent of 225 mm of water in April 1991. Average depths (equivalent H₂O) by month were: February 1: 52 cm (73 mm), March 1: 62 cm (107 mm), April 1: 65 cm (126 mm), May 1: 55 cm (128 mm), and May 15: 27 cm (74 mm).

3.0 CLAIM INFORMATION

At the time of the 2007 exploration program, Casino property consisted of 211 full and partial active quartz mineral claims in good standing. The total area covered was 5,805 ha.

The registered owner of all claims is CRS Copper Resources Corp. ("CRS"), a 100% subsidiary of Western Copper Corporation ("WCC"). The claims covering the property at the time of 2007 work are shown on the map in Figure 2.

The historical claims held by prior owners of the project and transferred as part of WCC's plan of arrangement with Lumina Resources Corp. ("Lumina") consist of 83 Casino "A" claims covering an area of 1,143 ha, 55 Casino "B" claims covering an area of 924 ha, and 23 claims in the "JOE" block covering an area of 322 ha.

The 188 VIK mineral claims, covering an area of 3,416 ha, were staked in June 2007 by WCC and registered to CRS.

In June 2008 additional 94 "CC" claims covering an area of 1,933 ha, and 63 "BRIT" claims covering an area of 1,223 ha were staked by WCC. The Casino property presently consists of 349 quartz mineral claims and covers an area of 8,961 ha.

On the basis of prior agreements of CRS, certain portions of the Casino property remain subject to royalty agreements in favour of Archer, Cathro and Associates (1981) Ltd. ("Archer Cathro"), and to an option agreement with Wildrose Resources Ltd. ("Wildrose").

The royalties and agreements are:

A 5% Net Profits Royalty ("NPR") in favour of Archer Cathro on the Casino "A" and "B" Claims, and the "JOE" block of claims;

The Casino "B" Claims are subject to an agreement between CRS Copper Resources Corp. and Wildrose (through the Option Agreement between CRS and Great Basin Gold, Ltd. ("GBG") exercised on August 9, 2007) whereby Wildrose agrees to maintain the Casino "A" and "B" claims in good standing. In exchange, Wildrose has the right to acquire the Casino "B" claims for \$1 each until May 2, 2020 upon a \$200,000 payment to CRS, and subject to CRS reserving a 10% Net Profits Interest in the Casino "B" Claims.

The project is located on Crown land administered by the Yukon Government and is within the Selkirk First Nation traditional territory. Tr'ondek Hwechin First Nation traditional territory lies to the north.

5.0 PROPERTY HISTORY

The property has had a long and varied exploration history commencing as a minor placer gold discovery on Canadian Creek in 1911.

In April 1911, first placer claims were staked in Canadian Creek by J. Britton and C. Brown and its gravels have been worked sporadically since. In 1917, D.D. Cairnes, of the Geological Survey of Canada, recognized huebnerite (MnWO_4) in the heavy-mineral concentrates of the placer workings (Cairnes, 1917). He suggested that the gold and tungsten mineralization was derived from an intrusive complex on Patton Hill (which now is recognized as the core of the porphyry deposit). The total placer gold production from Canadian Creek is unknown; the most recent work (1980-85) yielded about 50 kg (1615 troy ounces) of gold. During the Second World War, a small amount of tungsten was also recovered.

Reports indicate that silver-lead mineralization was known in the region since the late 1920's, but no locations of showings or exploration works were recorded.

In 1941, Jack Meloy discovered the Pb-Ag mineralization approximately 3 km south of the Canadian Creek placer workings (Payne, 1988). Over the next several years J. Meloy and A. Brown explored both Bomber and Helicopter vein systems by hand trenches and pits, staking the Helicopter claim in 1943 and the Bomber and Airport groups in 1947.

In 1948 Noranda optioned the property and excavated bulldozer trenches on Helicopter and Bomber vein zones (Cannon, 1950).

In 1963, Rio Tinto and Yukon Consolidated Gold optioned the property and carried out trenching, mapping and sampling, which was concentrated on the Bomber vein system. A total of 1320m of trenches were dug or deepened.

In 1964 the claims were sold to L.I. Proctor, who added the Cat group in July 1965 and formed a new company, Casino Silver Mines. The 720m Casino airstrip was constructed.

In 1965 Casino Silver Mines trenched the Bomber vein system and shipped 48.8 tons of hand-cobbed ore to Trail, BC. The ore averaged 161.1 oz/t Ag and 68% Pb, with individual sample bags ranging from 129.1 to 380 oz/t Ag and 63.8 to 72.2% Pb.

In 1965 an aeromagnetic survey was conducted and ground geophysical and geochemical surveys were done in 1966. A ground geophysical survey traced the Bomber vein system over 360m northwest of the Bomber portal.

In 1966 underground exploration was begun to test the underground extensions of the Bomber veins. By October 1967 the vein system was developed along a 365 m of underground drifts and cross-cuts, and 1440 feet of diamond drilling were completed.

In 1966 in the Helicopter vein zone, 8 bulldozer trenches exposed two sub-parallel galena veins for a length of over 150 m. Veins strike 140 degrees in a 20 m wide zone of sheared and fractured granodiorite.

1966 silt geochemistry survey indicated a strong copper anomaly in the silts of the Casino Creek headwaters (also referred as C anomaly). A follow-up geophysical survey outlined several conductors parallel to the Bomber grid conductors. Subsequent trenching revealed two galena veins or vein faults over two of the conductors.

Further trenching done in 1967 confirmed presence of galena mineralization over narrow widths and also found an appreciable amount of galena floats. Additional geophysical survey, soil sampling, and drilling were also done in 1967, but exploration shifted from galena occurrences to Proctor Gulch gossan and porphyry copper mineralization northwest of it. A total of 17 AX drill holes were drilled at the Casino property in 1967; 12 holes totaling 3641 ft at the C anomaly area, 4 holes (851 ft) at the Bomber vein system and one 235 ft hole at the Helicopter vein system.

Between 1978 and 1980, underground development at Bomber, included 48 m of lateral drifting and 55 m of raise drifting. From this development, 328 tons of hand cobbled ore was shipped. Chip sampling in the adit, some 50m below surface, showed five ore shoots 10 to 20 m long, comprising an aggregate length of 78 m of the 137 m drifted along the vein. These averaged 20.5 oz/T Ag, 12.2% Pb and 4.4% Zn across an average width of 73cm. The best shoot averaged 50.8 oz/T Ag, 30.4% Pb and 7.7% Zn across a width of 52cm for a length of 13.8 m. The average grade of 409 tons of ore shipped to the smelter between 1965 and 1980 was 107.6 oz/T Ag, 0.5 oz/T Au, 48.3% Pb and approximately 5% Zn, 1.5% Cu and 0.02% Bi.

Porphyry deposit potential was first noted by B. Hestor in 1963, but his observations did not become generally known (Godwin, 1976). In 1967, the porphyry potential was recognized again, this time by A. Archer and separately by G. Harper. Archer's evaluation led to the acquisition of Casino Silver Mines Limited by the Brynelsen Group, and from 1968 to 1973 exploration was directed jointly by Brameda, Quintana and Teck Corporation towards a porphyry target (Archer and Main, 1971). During this period, 5,328 m of reverse circulation drilling in 35 holes and 12,574 m of diamond drilling in 56 holes was completed.

In 1991, Archer Cathro & Associates (1981), Ltd. optioned the property and assigned the option to Big Creek Resources Ltd. A drill program in 1992 of 21 HQ (63.5 mm diameter) holes for the first time systematically assessed the gold potential in the core of the deposit. In 1992 Pacific Sentinel Gold Corp. (PSG) acquired 100% interest in the property from Archer Cathro and commenced a major exploration program. 1993 program included surface mapping and 50,316 m of HQ and NQ (47.6 mm diameter) drilling in 127 holes. All but one of the 1992 drill holes were deepened in 1993.

In 1994, PSG drilled an additional 108 drill holes totaling 18,085 metres. This program completed the delineation drilling set out in 1993 and investigated various geological, geotechnical, structural, and environmental aspects of the project.

From 1992 until 1995 work included surface soil sampling, trenching investigations, 236 HQ and NQ diamond drill holes totaling 73,084 m, comprehensive metallurgical investigations, environmental studies and socio economic activities culminating in a project scoping study. The scoping study envisioned a large-scale open pit mine, conventional flotation concentrator that would produce a copper-gold concentrate for sale to Pacific Rim smelters.

6.0 REGIONAL GEOLOGY AND TECTONIC SETTING

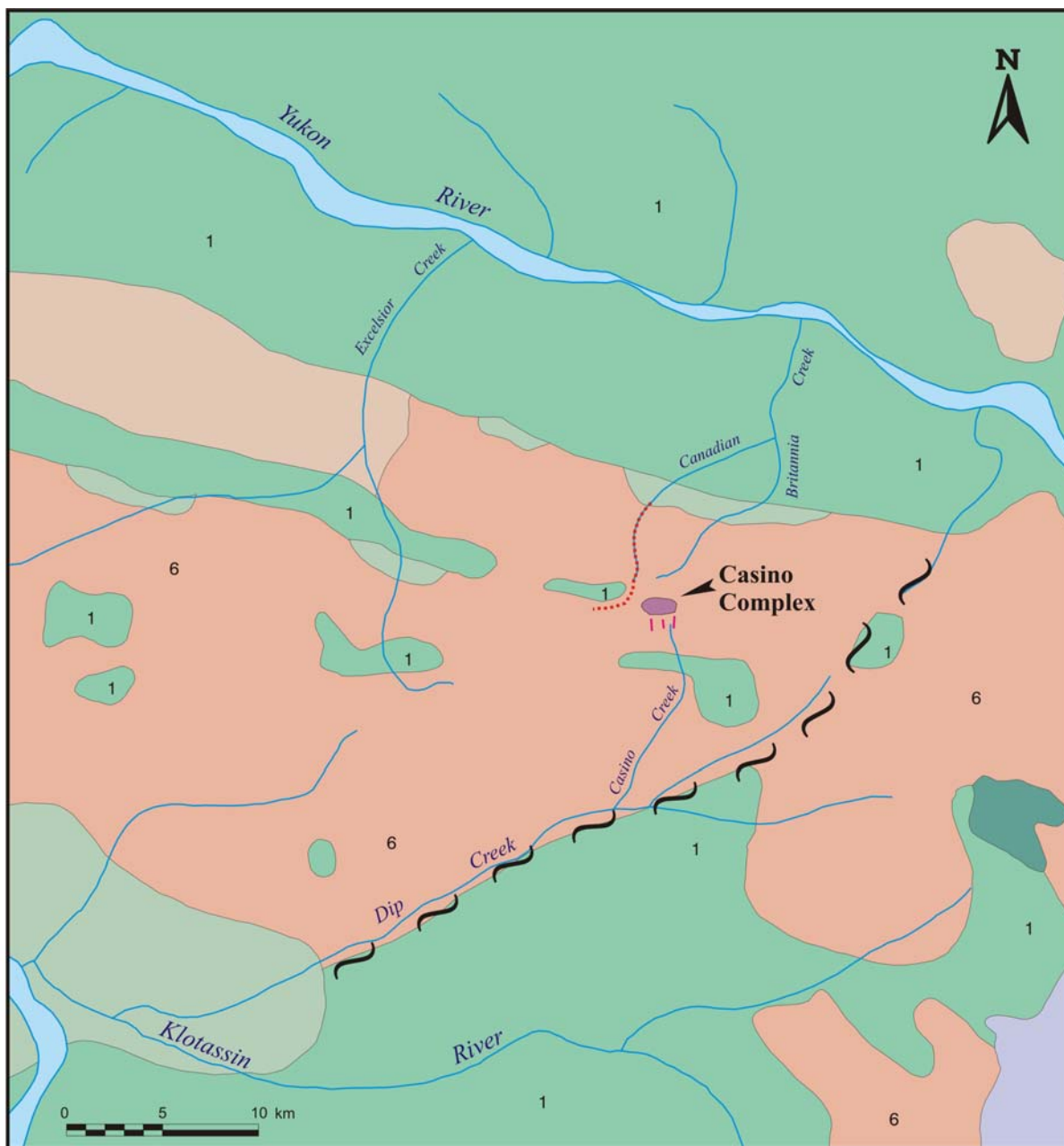
The Casino deposit and associated Ag-Pb-Zn mineralization occur in an overlapping zone of the Yukon Cataclastic Terrane to the north and the Yukon Crystalline Terrane to the south. An elongate band of ultramafic rocks 1 km north of the Casino deposit may occur along a major tectonic suture, which separates the two terranes. The southern terrane contains the Dawson Range Batholith with scattered roof-pendants and blocks of the Yukon Metamorphic Complex. The northern terrane is dominated by rocks of the Yukon Metamorphic Complex with scattered intrusions of the Coffee Creek Suite which are petrographically distinct from the Dawson Range Batholith.

Regional geology is shown on a map in Figure 3.

Yukon Metamorphic Complex (Paleozoic) rocks are dominated by quartz-biotite plagioclase gneiss, metamorphosed granodiorite to quartz diorite, and less abundant quartzite and meta-diorite/amphibolite. All are complexly deformed. Original deformation probably was during the Late Triassic to Early Jurassic but may have been as early as Late Paleozoic. Weaker deformation probably occurred during the intrusion of the west-northwest trending Dawson Range Batholith.

The Dawson Range Batholith is dominated by medium to coarse grained quartz diorite to granodiorite, with much less fine-to locally medium-grained diorite. It contains scattered to locally abundant, centimetre sized, meta-diorite xenoliths of the Yukon Metamorphic Complex. The Dawson Range Batholith is of Middle Cretaceous age.

The Casino Intrusions are stocks up to 5 km across which intrude the Dawson Range Batholith and are concentrated in a west-northwest trending belt along the Big Creek Lineament and its northwestern extension. Most Casino intrusions are dominated by biotite-bearing to leucocratic granodiorite to quartz monzonite; some are hypabyssal porphyritic dacite (Patton Porphyry). Many types of hydrothermal alteration and sulphide precious-metal mineralization occur in and adjacent to the genetically related intrusions. All of the Casino Intrusions are of Upper Cretaceous age.



LEGEND

 Carmacks Group	 Ultramafic Rocks
 Mt. Cockfield Volcanic Rocks	 Yukon Group Metamorphics
 Casino Intrusive Complex	 Gold Placer
 Coffee Creek Granodiorite	 Silver-Lead-Zinc Veins
 Dawson Range Batholith	 Dip Creek Fault

Figure 3 – Regional Geology

7.0 PROPERTY GEOLOGY

The bedrock in much of the property is a massive hornblende quartz diorite to granodiorite of the Dawson Range Batholith. The Casino intrusive and breccia complex is in the central part of the property, occupying the north-eastern end of the Patton Hill. The eastern part of the Casino complex is intruded by Tertiary/Upper Cretaceous latite plug. The latite plug straddles the central part of Patton Gulch. Property geology is shown in Figure 4

All three Ag-Pb-Zn vein systems are south of the Casino intrusive complex, within granodiorites of the Dawson Range Batholith. North of the Taylor Creek gossan (northern part of C-grid), quartz monzonites were encountered in trenches and drill holes.

The following table shows the major geological units with their relative and isotopic ages. All isotopic dates are based on U-Pb ratios in zircons analyzed by J.R. Mortensen (B. Bower et al, 1994)

Map Unit	Major Geological Units	Isotopic Age
7	Latite (Tertiary/Upper Cretaceous)	
	CASINO INTRUSIONS (Upper Cretaceous)	
6	Microbreccia	
5	Patton Porphyry	72-74 Ma
4	Intrusion Breccia	
3	Quartz Monzonite	
	DAWSON RANGE BATHOLITH (Middle Cretaceous)	102-104 Ma
2	Quartz Diorite, Granodiorite	
	YUKON METAMORPHIC COMPLEX (Paleozoic)	
1	Gneiss, Meta-diorite/Amphybolite, Quartzite	

The largest fault on the property is the Casino Fault, a broadly curved, steeply dipping, strike-slip fault trending 160° to 140° which offsets the eastern part of the Casino deposit right-laterally about 200 m (B. Bower et al, 1994). Geology maps show that Casino fault bands north of Taylor Creek and its trend changes from 140°-150° to 170°.

On the east side of Casino Fault numerous small faults are encountered in drill holes. Most of these have sub-horizontal slickensides and chlorite-hematite alteration. Healed slickensides, local brecciation, and the development of open spaces at the intersection of fractures, are common.

A north-south fault is inferred in a prominent valley near the western side of the deposit. Another major fault along the eastern side of the deposit, of uncertain displacement, separates hydrothermally altered rocks of the Casino Complex from fresh rocks of the Dawson Range Batholith further to the east.

The structures detected by geophysical surveys and trenching in the late sixties are parallel to the observed and inferred faults identified during the exploration of the Casino deposit in the 1990's. Possible correlations between Casino deposit faults and 1960's conductors include:

- The south extension of the Casino fault coincides with the major electromagnetic conductor detected some 150 m east of the Bomber vein system in a 1966 geophysical survey. This conductor has been traced for 1.8 km along the east side of Meloy Creek gulley.
- C-grid conductors are aligned with the north-west trending section of the Casino fault.
- An inferred north-south fault is aligned with the Helicopter vein system.

7.1 Lithological Units

Yukon Metamorphic Complex

Rocks of the Yukon Metamorphic Complex occur mainly as fragments in intrusion breccias in the northern and northeastern parts of the Casino deposit and locally as roof pendants in the Dawson Range Batholith in the same area. The most common rock type of this complex is mafic gneiss, dominated by plagioclase, biotite, and quartz. Less abundant types include meta-diorite/amphibolite, quartz-rich and intermediate gneiss, and quartzite.

Dawson Range Batholith (102-104 Ma)

The Dawson Range Batholith is the main country rock to the deposit, and is dominantly granodiorite in composition. Quartz monzonite and diorite are less abundant. The two main phases of granodiorite are: a hornblende-bearing phase, mainly to the west, south, and east of the deposit, and a biotite-hornblende-bearing phase to the north. Early formed diorite is concentrated in the north and northeast, particularly east of Casino Fault. Some intrusions are foliated near their margins, particularly in the north and in the block east of the Casino Fault.

Granodiorite is characterized by scattered hornblende phenocrysts averaging 0.5 to 1.2 cm long. It commonly contains 10 to 20% mafic minerals, with hornblende more abundant than biotite except in the biotite-hornblende phase to the north. Subhedral to euhedral plagioclase commonly show prominent compositional growth-zoning from andesine cores to oligoclase rims. Quartz and K-feldspar are interstitial to plagioclase. Quartz forms interlocking aggregates of slightly to moderately strained grains. Minor patches of myrmekite occur in plagioclase grains adjacent to those of K-feldspar.

Quartz monzonite contains less abundant mafic minerals (2-10%), lacks hornblende phenocrysts, and commonly contains biotite in more abundance than hornblende.

Diorite is dominated by andesine and hornblende in subequal proportions; however, in places, primary biotite is more abundant than hornblende. Some finergrained diorite is similar texturally to meta-diorite of the Yukon Metamorphic Complex.

On the southern margin of the deposit granodiorite commonly is brecciated. Breccia ranges from crackle breccia to more intensely deformed cataclastic breccia. The latter contains 5 to 50% ragged fragments of the host rock ranging from 0.3 to 5 cm in size in an extremely fine- to very fine-grained, granulated groundmass dominated by plagioclase and quartz. Fragment size generally decreases with increasing degree of brecciation. In places, the cataclastic breccia grades into the microbreccia core of the deposit; elsewhere, it is truncated by the microbreccia.

Casino Intrusive Complex

Leucocratic quartz monzonite is prominent just west of the Casino Fault. The dominant phase is fine- to locally medium-grained, with approximately equal amounts of quartz, plagioclase, and K-feldspar. These minerals form aggregates of anhedral grains. Locally, this unit has aplitic to graphic textures that suggest the rock crystallized from a near-eutectic liquid. The aplite contains minor zones of pegmatite. Medium to coarse-grained quartz monzonite forms scattered small bodies with a similar texture.

Heterolithic intrusion breccia occurs in the northern and eastern part of the deposit. It contains fragments of Dawson Range Batholith and Yukon Metamorphic rocks in a matrix of fine-grained, leucocratic quartz monzonite. A few fragments are of Patton Porphyry, suggesting the presence of an early variety of that rock type. The amount of groundmass ranges from 2 to 40%. Fragments range widely in size from a few centimetres to a few metres. In drill core, intervals of diorite and granodiorite cut by scattered quartz monzonite dikes may be very large rafts in the breccia or may represent country rock cut by abundant dikes of quartz monzonite. The intrusion breccia was formed along the margin of the quartz monzonite intrusion by stoping of blocks of wall rocks. Along the contact, intrusion breccia grades into quartz monzonite containing 1 to 5% xenoliths, mainly less than 10 cm in size.

The Patton Porphyry (72-74 Ma) represents two or more episodes of high-level intrusion of porphyritic hypabyssal dacite to rhyodacite. The main body of Patton Porphyry, a few hundred metres across, occurs northwest of Patton Hill. Abundant Patton Porphyry fragments occur in the adjacent microbreccia. The contacts between the Patton Porphyry and the microbreccia are variable and range from sharply intrusive to gradational. Elsewhere, Patton Porphyry forms many discontinuous dikes ranging from a few cm to 20 m wide; these cut Casino quartz monzonite and less commonly rocks of the Dawson Range Batholith.

Most types of Patton Porphyry are porphyritic with plagioclase and biotite phenocrysts set in an aphanitic, commonly medium to dark green groundmass of latite to rhyodacite composition. Plagioclase phenocrysts normally comprise 10 to 30% of the rock and range in size from 2 to 7 mm, with some up to 2.5 cm in length. Biotite phenocrysts (1 to 5%) range from 2 to 3 mm across. Quartz phenocrysts (0 to 5%) are usually 3 to 5 mm in size. Some chloritic aggregates may be altered hornblende grains. At least two ages of dominantly plagioclase- and biotite-phyric Patton Porphyry are present; the earlier type contains less

abundant, commonly ragged plagioclase phenocrysts in a more chloritic groundmass and the later type contains more abundant, commonly subhedral to euhedral plagioclase phenocrysts in a vitreous, less chloritic groundmass. Episodic Patton Porphyry magmatism probably occurred before, during, and after the main stage of hydrothermal alteration and mineralization. Much of the Patton Porphyry is poorly mineralized, but commonly is strongly potassically altered, suggesting that it formed during and after the main stage of sulphide mineralization in the core of the deposit.

One Patton Porphyry intrusion intersected at depth in drill holes in the southeastern part of the core of the deposit contains 10 to 15% K-feldspar and 5 to 7% quartz phenocrysts in a rhyodacitic groundmass. It is well mineralized, and may be closely associated genetically with the hydrothermal fluids.

The intrusive microbreccia forms an irregularly shaped, subvertical pipe approximately 400 m in diameter in the core of the deposit and also forms a series of smaller irregular bodies to the southwest. It contains angular fragments of quartz grains and wall rocks in an extremely fine-grained groundmass of rhyodacitic to rhyolitic composition but of uncertain genetic origin. In places the groundmass of the microbreccia has a very fine-grained, interlocking igneous texture and elsewhere it resembles milled rock flour. Locally strong potassic alteration destroyed primary textures. Quartz forms 10 to 20%, generally unstrained crystals and crystal fragments commonly 1 to 2 mm in size. A few have subhedral outlines, suggesting that they may represent early-formed quartz phenocrysts in a silicasaturated magma. They are similar texturally to quartz phenocrysts in some of the Patton Porphyry intrusions.

Lithic fragments in the microbreccia, ranging in size from 0.5 to 5 cm, commonly belong to the adjacent wallrock type; Dawson Range Batholith in the south, Patton Porphyry in the northwest, mixed fragments of heterolithic intrusion breccia and Yukon Group metamorphic rocks in the north and minor fragments of quartz monzonite in the east. This suggests only limited fragment transport and mixing in the microbreccia. Large blocks of non-brecciated Patton Porphyry, some exceeding 100 m in size, occur in the main body of microbreccia. Many lithic fragments are earlier breccias; some clasts contain mineralized quartz veins and some host sulphides indicating multiple episodes of brecciation and mineralization.

Late dikes, sills, and an explosion-breccia pipe, of probable late Cretaceous/Tertiary age, are latitic to dacitic in composition. Most dikes are steeply dipping and strike between 130 and 160 deg. Some dikes are of slightly porphyritic latite containing 5- 10% plagioclase phenocrysts, mainly less than 1.0 mm in size, in an aphanitic to very fine-grained groundmass dominated by plagioclase and K-feldspar. Some borders of the dikes are chilled and some show flow-banded or lenticular structures near the contact. On the east side of Casino Fault a latite dike shows vesiculation, with quartz- filled amygdules stretched parallel to steep contacts. A large plug of porphyritic latite intrudes the western portion of the Casino Intrusive Complex.

Some late dikes in the south-central part of the deposit, which somewhat resemble the Patton Porphyry in texture, contain 2 to 5% coarse quartz phenocrysts and 1 to 3% plagioclase phenocrysts in an aphanitic latite groundmass.

The explosion-breccia is an irregular, vertical pipe up to 100 m across near the southeast margin of the central microbreccia body. It contains subrounded fragments, mainly of altered microbreccia, and less commonly of late, quartz-phyric dikes and Dawson Range Batholith in a groundmass, which ranges from rock flour (probably formed mainly by granulation of the latite) to very fine-grained latite.

The breccia grades into a large latite dike which shows strong sheeting parallel to its contacts. The late dikes, sills and breccias were intruded after the main hydrothermal event and contain only minor base- and precious-metal mineralization, most of which is contained in mineralized and altered clasts of microbreccia.

7.2 Cu-Au-Mo Mineralization

The Casino Cu-Au-Mo deposit is centred around a steeply plunging, conical breccia to microbreccia pipe. The pipe forms part of a complex (the Casino Intrusive Complex) that intrudes the Dawson Range Batholith. The pipe is roughly ovoid in shape with dimensions; 1 km north-south and 2 km east-west, and has an interior zone of potassic alteration surrounded by discontinuous phyllic alteration, typical of porphyry deposits. The potassic alteration hosts the copper-gold-molybdenum mineralization of interest, while the phyllic facies is essentially metal mineralization depleted.

The intrusive microbreccia forms an irregularly shaped, subvertical pipe approximately 400 m in diameter in the core of the deposit and a series of smaller irregular bodies to the southwest.

The Casino deposit is unique among Canadian porphyry deposits. The deposit has a substantially preserved, outcropping oxide gold leach cap, an upper well-developed, copper-enriched supergene zone, and a lower copper-gold hypogene zone.

The deposit is weathered to an average depth of 70 m producing a well defined Leached cap (Oxide Gold zone), that is for the most part gold enriched and copper depleted due to the supergene alteration processes. With depth, the supergene alteration erratically grades from a poorly defined Supergene Oxide zone (upper copper oxide zone) to a better-defined Supergene Sulphide zone (lower copper sulphide zone). The average thickness of the copper oxide zone and copper sulphide zone are 10 m and 60 m respectively. The supergene copper sulphide is characterized by a high pyrite content in the phyllic alteration, which promotes leaching. Thus, secondary enrichment zones are thickest along the contact of the potassic and phyllic alteration and accordingly the copper grades in the Supergene Sulphide zone are almost double the copper grades in the Hypogene (0.43% Cu versus 0.23% Cu). Generally, molybdenite was unaffected by the supergene process.

7.3 Ag-Pb-Zn Mineralization

The following description of the Bomber and Helicopter vein systems is taken from Payne, J.G., 1988. Exploration Potential of the Bomber Property, A Gold-Silver Prospect, Casino District, Yukon. Unpublished Report for Gar Resources Inc.

The descriptions of the C-Grid mineralization are based on the 1967 reports for Casino Silver Mines by C.D. Taylor.

7.3.1 Bomber Vein System

Hester (1963) described three en echelon veins carrying Pb-Ag over a total strike length of 150 m, striking 170, with veins swinging from this to 140, and dipping steeply southwest at about 75. Taylor (1964) described 4 subparallel veins separated by about 17 m intervals. Veins contain up to 1-1.7 m of barite-quartz gangue. Barite is white and coarsely crystalline. Quartz is crystalline and locally vuggy. Galena forms distinct massive veins in these, generally crossing the main veins at a low angle. Massive galena generally is less than 15 cm wide. Commonly more than one galena vein occurs in a section across the main vein zone. On borders of veins galena is altered to anglesite. Minor pyrite is associated with galena, and malachite-staining on surface indicates the presence of a primary Cu-mineral, probably chalcopyrite. Some samples low in galena gave values high in Au and Ag. The Ag(oz/T)/Pb(%) ratio varies from 4 to 0.5 and is highest near the surface. Quartz, sphalerite and pyrite increase in abundance with depth. Black Manganese oxides are common on fractures.

For 30-60 cm bordering the vein the wallrock granodiorite/quartz diorite is intensely altered to kaolinite-quartz. Beyond this feldspar is altered strongly to sericite over a width of about 2 metres. Black manganese oxides are abundant along joint surfaces in the altered and weathered rocks.

The following is a compilation of the descriptions of the individual veins in the Bomber vein system, with corresponding assays from various reports.

Vein 1: This vein is at the northeast and is the widest vein. It has been explored by trenches, a shaft, and in underground workings. It is exposed over a length of 230 feet and over an elevation of 50 feet. Cannon (1950) described the following: In Trench #3 north of the shaft and in the shaft, the vein consists of two parallel stringers 5-10 cm wide separated by 35 cm of strongly altered granodiorite. In Trench #2, 50 m north of Trench #3 is evidence of the fault zone but no vein. In Trench #4, 17 m south of the shaft, are seen the fault and minor galena near the surface. Taylor (1964) described the vein as being up to 1 m wide and containing about 10% galena. It consists of a wide fault zone containing lenses of quartz and barite, with concentrations of galena, sphalerite, pyrite, and chalcopyrite. Two lenses of massive sulfide occur at the northwest end of the drift. Sztetu (1966) described

Vein 1 as having an apparent width of 12 feet and being stripped for a distance of about 280 feet. The other three veins were described as generally 4 feet or less in width.

Vein 2: (southwest of Vein 1) Cannon (1950) described the vein as having a maximum width of 20 cm, pinching to less than 3 cm in 5 m along the strike. Bunches of galena occur along a strike length of 45 m. Further south a deep trench picked up the fault but no sulfides. Still further south the fault disappeared.

Vein 3: (southwest of Vein 2) Cannon described this as being 35 cm wide and dipping gently to the northeast. It consists of quartz with small concentrations of galena. Carbonate is abundant at the junction of Veins 2 and 3.

Vein 4: This vein to the southwest is the narrowest and least continuous vein, and is marked mainly by manganese-oxide staining. Some galena and barite float was found in the trench near the vein.

Szetu (1966) described the vein intersections in the underground workings. Vein 1 was traced over a length of 115 m. A crosscut intersected a mineralized shear zone 20 m southwest at intervals of 20 m southwest of Vein 1 (Vein 2?), and two other veins to the southwest at intervals of 20 m and 6 m, respectively (possibly veins 3 and 4). However, the locations and attitudes of these do not correspond readily with the downward projections of Veins 2, 3, and 4 from surface.

In 1967, 800 m south of the mine a few cm of massive galena were found in a 2 m wide quartz porphyry dike. This location is 150 m vertically lower than the adit level. A transverse shear zone cutting the Bomber vein below the adit level contains mineralization and altered host rock.

The 1967 geophysical survey on the Bomber vein system detected two parallel conductors (Taylor, 1967). The northeast conductor corresponds closely with the No 1 Vein. The second conductor varies from 50 to 100 m southwest of the first, and has been traced for 300 m to the northwest. Southwest of the Bomber zone, a 1750 m long anomaly trends north-south; local trenching near the conductive zone exposed rotten, copper stained quartz diorite.

Figure 5 is a map showing the Bomber underground workings from Percival (1979).

7.3.2 Helicopter Vein System

The Helicopter vein, 1150 m southwest of the Bomber zone, was discovered in the late 1930's. The host rock is a strongly altered potassic quartz diorite to granodiorite of the Dawson range Batholith. Cannon (1950) described the vein as giving an average width 4 inches. The strike varies from 132 to 142 degrees, and the dip is 65 degrees southwest. The vein is exposed in Trench 5 for 2.5 m along strike. It contains quartz with scattered

lenses of galena. Considerable float of galena is contained in shallow exploration cuts. Galena is moderately altered to anglesite (PbCO_3) on the borders of the vein.

From eight bulldozer trenches, Szetu (1966) described the vein system as two sub-parallel galena-bearing veins which were traced over a length of over 170 m. The veins strike 140 degrees in a 20 m wide zone of sheared and fractured quartz diorite/granodiorite. Veins are from 10 cm to 1 m wide. Two trenches at the southern part of the showing contained no vein minerals.

Besides the known Helicopter vein zone, geophysical surveying detected a second, 300 m long, sub-parallel electromagnetic anomaly 50 to 70 m to the southwest. Follow-up trenching at the north end of the conductor exposed narrow veins of massive galena and quartz veins with minor galena in a wide shear zone of leached and oxidized quartz diorite. At the south end of the conductor, trenching exposed oxidized shear zones in the quartz diorite.

7.3.3 C-grid Vein System

Galena occurrences of the Casino Creek headwaters area, were first discovered in 1966. Trenching in that area located two veins or vein faults over two of the geophysical conductors. These veins contained interesting silver-lead-zinc values but practically no copper. Chip sample collected across the shear zone (unknown length) assayed 5.72 oz/T silver, while vein material sample assayed 9.84 oz/T silver (Taylor, 1967).

1967 trenching confirmed the presence of galena mineralization over narrow widths in shear zones located directly under two of the electro-magnetic conductors between Lines 28South and 40South, a strike length of some 1200 feet. Ground sluicing between Lines 32South and 36South disclosed an appreciable quantity of galena "float" in this area.

1967 soil geochemistry survey was conducted between Line 0 and Line 40S covering the length of 4000 feet. Some very high anomalous lead and zinc values with no copper occurred between lines 28S and 40S in the trenched areas over the electromagnetic conductive zones. North of Line 28S lead and zinc values were not higher than the background.

1967 AX diamond drilling done in the C-grid area intersected Ag-Pb-Zn veins in three holes: C-3, C-9A and C-13A. Due to the small core diameter, core recovery was low in broken and sheared zones where Ag-Pb-Zn mineralization was present. The highest Ag assay was 25.7 oz/T (interval 3' wide) in the hole C-3 for core recovery of 81%. In holes C-9A and C-13A Ag assays were 4 and 4.74 oz/T for core recoveries of 15% and 40% over the intervals of 3 feet and 6 feet respectively.

Hole C-1 was drilled to test mineralized vein exposed in 1966 trench, but due to the drilling problems, the hole was abandoned before reaching the target depth.

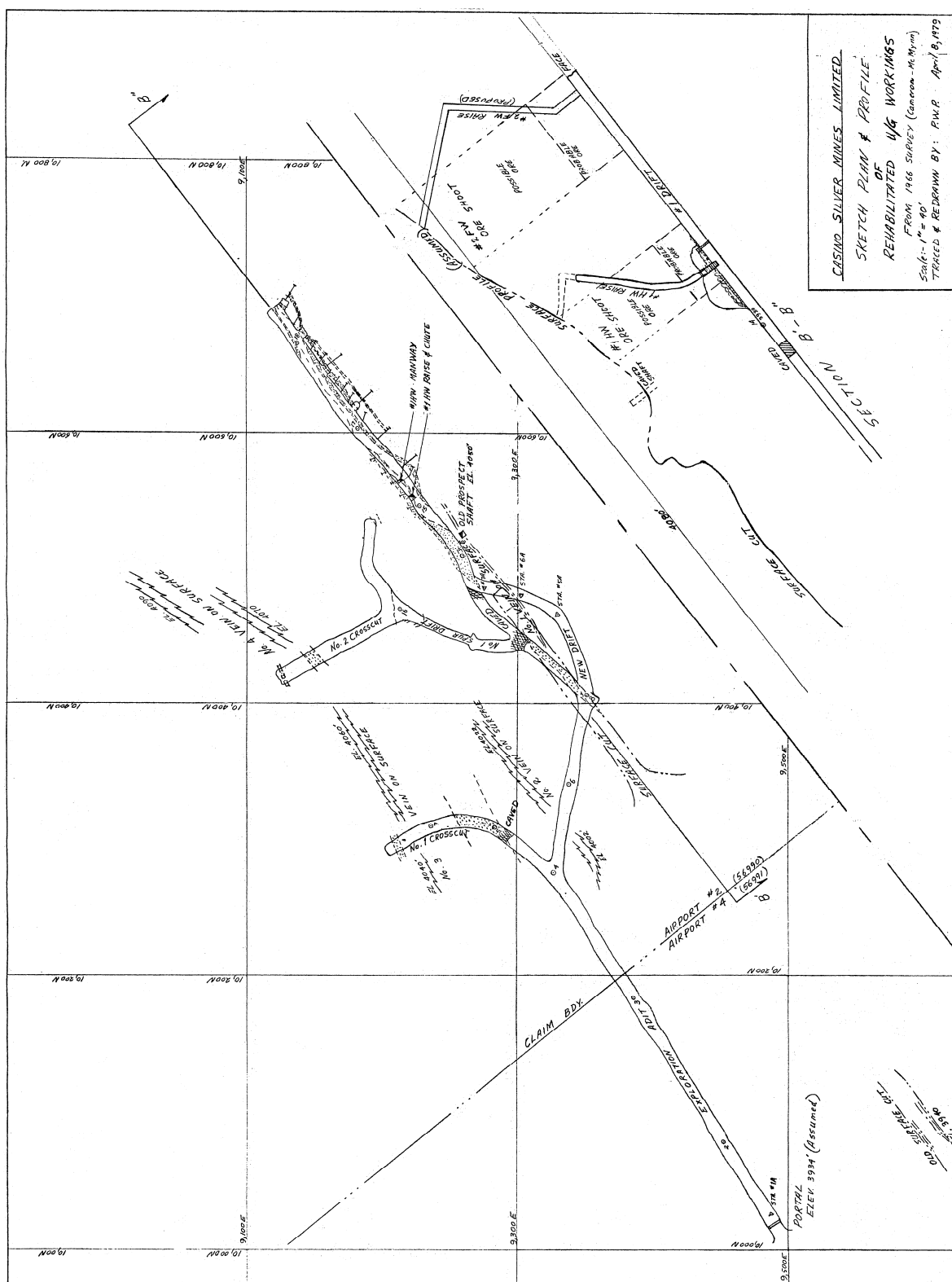


Figure 5 – Bomber Underground workings (Percival, 1979)

7.3.4 Historical Assay Results

Results of various sampling programs are listed in the following tables.

Bomber Vein System

Reference	No of samples	Width	Au (oz/T)	Ag (oz/T)	Pb (%)	Zn (%)	Cu (%)
Vein 1							
Cannon (1950)	4	12 cm	0.05	116	73.65		
Godwin (1964)	1	12 cm	0.04	108.6	61.5	trace	
Szetu (1966)	ug NW end HW	46 cm	-	48.4	31.3	8.8	
	ug NW end FW	52 cm	-	47.1	18.2	9.3	2.2
Nordex (1965)	ug 14*	100 cm	-	70	40	-	
Vein 2							
Cannon (1950)	2	12 cm	0.095	219	69.80	-	
Godwin (1964)	1	76 cm	0.01	275.4	66.5	-	
Szetu (1966)	ug x-cut	2.14 m	-	8.7	2.0	1.1	0.7
Nordex (1965)	ug 4*	67 cm	-	146	34.6	-	
Vein 3							
Cannon (1950)	1	45 cm	0.04	127.4	59.80	-	
Szetu (1966)	ug x-cut	46 cm	-	9.0	6.8	3.6	0.3
Nordex (1965)	ug 1*	62 cm	-	48.4	31.2	-	
Vein 4							
Nordex (1965)	ug 6*	84 cm	-	67.	26.	-	
Other samples (location uncertain)							
Taylor (1964)	1	grab	0.02	208.6	68.61	-	
	2A	grab	0.02	198.7	77.31	-	
	2B	grab	0.02	241.5	75.19	-	
	3	grab	0.02	142.7	74.76	-	
	4	grab	trace	20.6	26.16	-	
	5	grab	0.02	188.8	75.4	-	
Godwin (1964)	1	grab	0.04	108.6	61.5	trace	
Taylor (1967)	800 m south	grab	-	86.9	59.6	1.2	0.6
DDH B-2							
Taylor (1967)	115-120'	AX core	-	44.7	12.4	trace	2.04
	120-130'	AX core	-	36.5	6.5	trace	0.81
	166-175'	sludge**	-	45.1	13.6	trace	0.06
	175-179.5'	sludge**	-	35.4	12.5	trace	0.01
	179.5-183.5'	sludge**	-	33.0	10.3	trace	0.01

Reference	DDH Interval	Width	Au (oz/T)	Ag (oz/T)	Pb (%)	Zn (%)	Cu (%)
DDH B-3							
Taylor (1967)	140.5-144.5'	AX core	-	21.5	8.5	0.01	trace
	144.5-153.5'	AX core	-	8.7	3.7	trace	trace
	153.5-155.5'	AX core	-	8.5	8.0	trace	0.03
	188-201'	sludge**	-	20.0	12.2	6.3	0.15

* Only samples of higher grade vein material included; samples of mixed vein and wall rock over 1 m wide were recalculated as consisting of 1 m of vein material and the rest barren wallrock

** Sludge sample, very poor recovery (1-30%)

Helicopter Vein System

Reference	Vein #	Sample type/width	Au (oz/T)	Ag (oz/T)	Pb (%)	Cu (%)
Thompson (1947)	vein	grab	0.09	10.7	nd	
	carbonate	grab	0.04	14.3	23.8	
	galena	grab	0.04	129.9	75.3	
Cannon (1950)	1	15 cm	0.08	22.4	66.0	
Godwin (1964)	1	grab	0.02	12.4	56.8	
Szetu (1966)	A few	7.5- 90 cm	nd	2.4-42.5	5.6-79.8	

C-grid Vein System

Reference	DDH interval	Sample	Au (oz/T)	Ag (oz/T)	Pb (%)	Zn (%)	Cu (%)
Taylor (1967)	trench	chip	0.04	5.72	0.2	3.8	0.01
	trench	character	0.02	9.84	26.6	11.5	trace
DDH C-3							
Taylor (1967)	75-78'	AX core		25.7	14.9	16.7	0.27
DDH C-9A							
Taylor (1967)	176-179'	AX core*		4	2.4	0.4	0.03
DDH C-13A							
Taylor (1967)	205-211'	AX core**	0.04	4.74	4.5	0.7	0.22

* Broken core, poor recovery (15%), no sludge

** Broken core, poor recovery (40%), no sludge

8.0 2007 EXPLORATION PROGRAM

The 2007 exploration program on the property consisted of geophysical surveying and soil sampling programs.

Horizontal Loop Electromagnetic (HLEM) and Very Low Frequency Electromagnetic (VLF) surveys were tested on three cut lines and then VLF and total magnetic field (TMF) were continued over the remainder of the grid on uncut lines at a combination of 50 m and 100 m spaced lines.

Soil sampling was conducted on the entire grid at 50 m spaced lines. Figure 6 is a map showing the grid of the surveys undertaken in 2007.

A 4-man line cutting / soil sampling crew mobilized from Whitehorse to the Casino Property on July 25th, 2007 with a 6 man summer camp. Six line-km were cut from July 26th to July 30th, 2007 to perform an HLEM - VLF test and determine which survey would be most appropriate for the property. The soil sampling program began on July 29th, while two crew members finished up the line cutting. As of July 31st, 2007 all four crew members were working on the soil sampling program.

On August 3rd, 2007, the HLEM / VLF test crew and an ATV mobilized into camp. The geophysics test was completed on the six line-km of cut lines and the crew demobilized on August 8th, 2007. VLF is the cheaper survey to run partly because no cut lines are required. Since the VLF adequately located the conductors, it was the EM survey chosen to complete the grid and no further line cutting was undertaken. After the soil sampling grid was complete (total of 1045 soil samples), the TMF/ VLF crew mobilized into the camp and the line cutters / soil samplers demobilized on August 14th, 2007. On August 21st, 2007 the geophysics crew manned down to a two-man crew who remained until August 29th, 2007 when the geophysics was completed.

8.1 Data Processing

The total magnetic field (TMF) data were corrected for temporal variations in the Earth's magnetic field using the software GEMLINK. The data were leveled between the operators using 4 control lines and with 10 common points, parallel and perpendicular to the grid lines and entered into a Geosoft database. The data were then despiked using a filter width of 1 fiducial with a 50 nT threshold and gridded with a minimum curvature algorithm using a 12.5 m cell size. The TMF data are plotted in Figure 7 using a linear colour scheme from 58750 to 59150 nT. There were no readings from the base mag that varied more than 5 nT over 5 seconds and therefore no readings were rejected. The grid is shaded with illumination from the east and a few north-south linears that were not apparent from the VLF data were drawn in from the shaded grid.

VLF data were transcribed from the handwritten field notes to electronic files and entered into a Geosoft database. A 4-fiducial low pass filter was applied to both the inphase and quadrature and then plotted as stacked profiles with a scale of 1 cm = 50% in Figure 8. A five-point Fraser filter was applied to the low-passed inphase data and this was gridded with a minimum curvature algorithm with a cell size of 12.5 metres. This was plotted with a linear colour scale from 0 to 35% in Figure 9.

HLEM data were corrected for short coil errors using the Apex software MMCFIX. Figures 10 and 11 show the low frequency and high frequency HLEM data overlain by contours of the Fraser filtered inphase of the VLF. The low frequency map shows the 220 and 880 kHz HLEM data while the high frequency map shows the 3520, 7040 & 14080 kHz data. The conductors are more easily seen on the higher frequencies and are labelled A through S.

Five samples (L300-1450; L750-2150; L800-1500, L800-1550, L1050-2800) that were returned with I.S. (insufficient sample) were removed from the soils database. The sample analysis certificates were modified so that left-censored readings were replaced by half of the lower detection limit. Upper detection limits (reported on 5 samples) were replaced by the upper detection limit. The repeats and blanks were examined for QA/QC and then the repeats averaged; these files are appended to the digital version of this report. The data were then assigned UTM coordinates. After examination of the data, a natural log transform was applied as the typical distribution was very non- Gaussian with a distinct left-hand skew. The transformed data were better fits to normal Gaussian distributions.

To determine a robust mean and standard deviation (SD), for each element the number of left-censored data (below detection limits) was trimmed from both the right and left side of that element's distribution. The robust mean and standard deviation were calculated from the resulting trimmed (and transformed) data set. Histograms of transformed and trimmed distributions of Pb, Zn, Ag, Cu, Mo & Au are shown in Figure 12. Three elements had excessive left-side censorship (B - 99.7% left-censored, S - 81.7% left-censored and Se - 71.8% left-censored) and these elements were removed from all further analysis. After B, S and Se, the element with the next highest number of low detection limit values was W with 15.6% of the data left-censored.

The full transformed sample set (included the replaced censored values) was centred by subtraction of the robust mean and normalized by dividing by the robust variance. A principal component analysis was performed; the first principal component (PC1) accounts for 32.2% of the variance in the dataset and the coefficients of PC1 are shown graphically in a bar plot (Figure 13). PC1 is defined primarily by the depletion of trace elements V and Ga (and to a lesser degree Ti, Cr & Co) and depletion of the major elements Al, Mg and Ni.

Figure 12
Selected Histograms

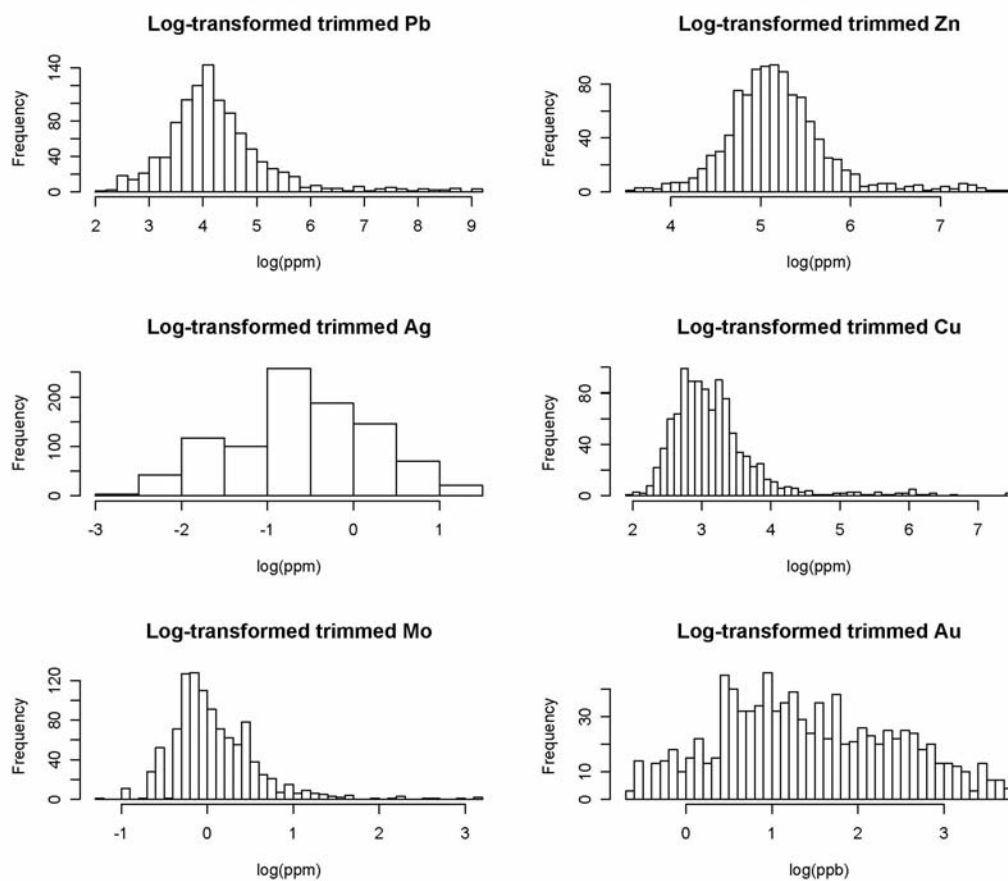
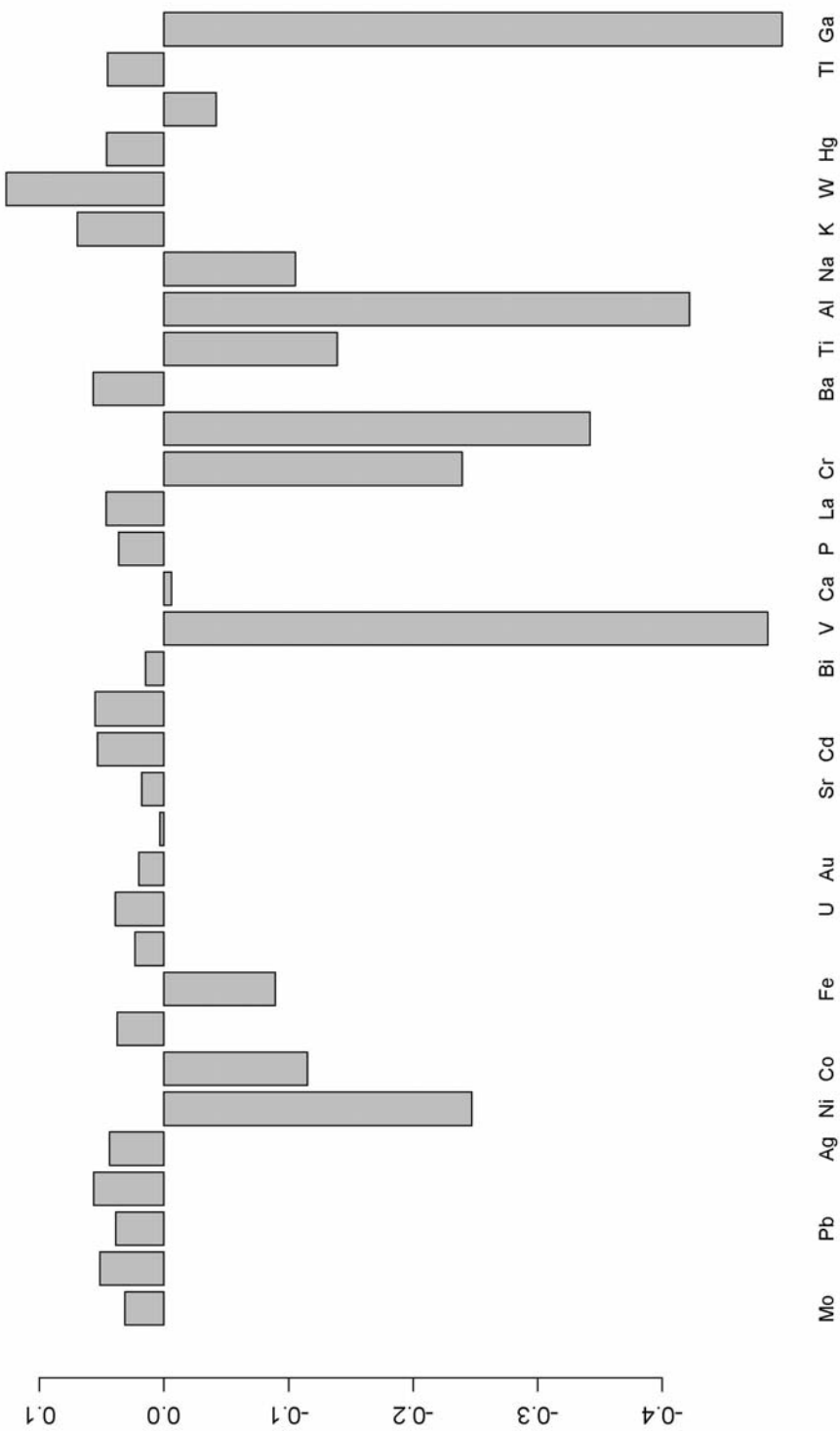
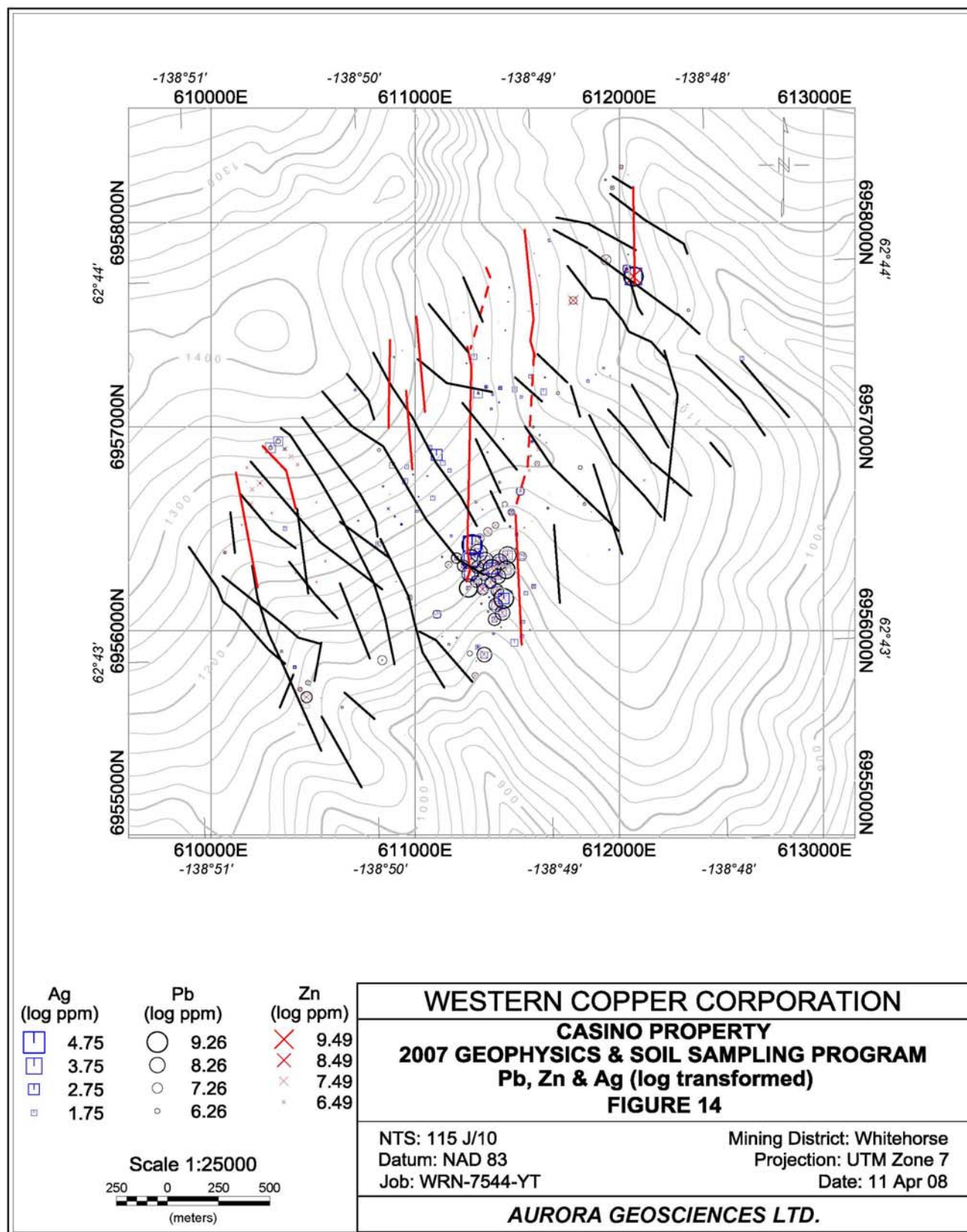
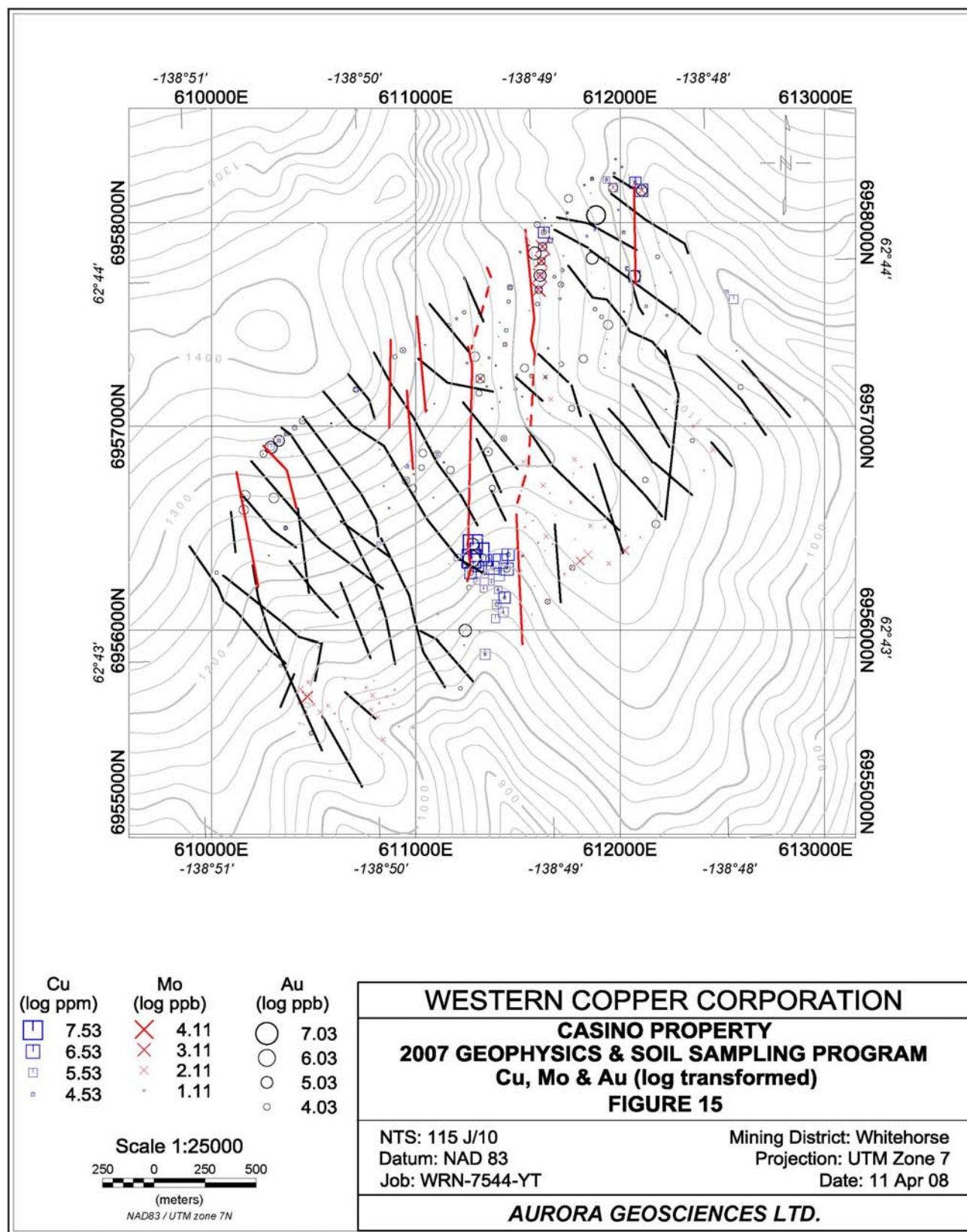
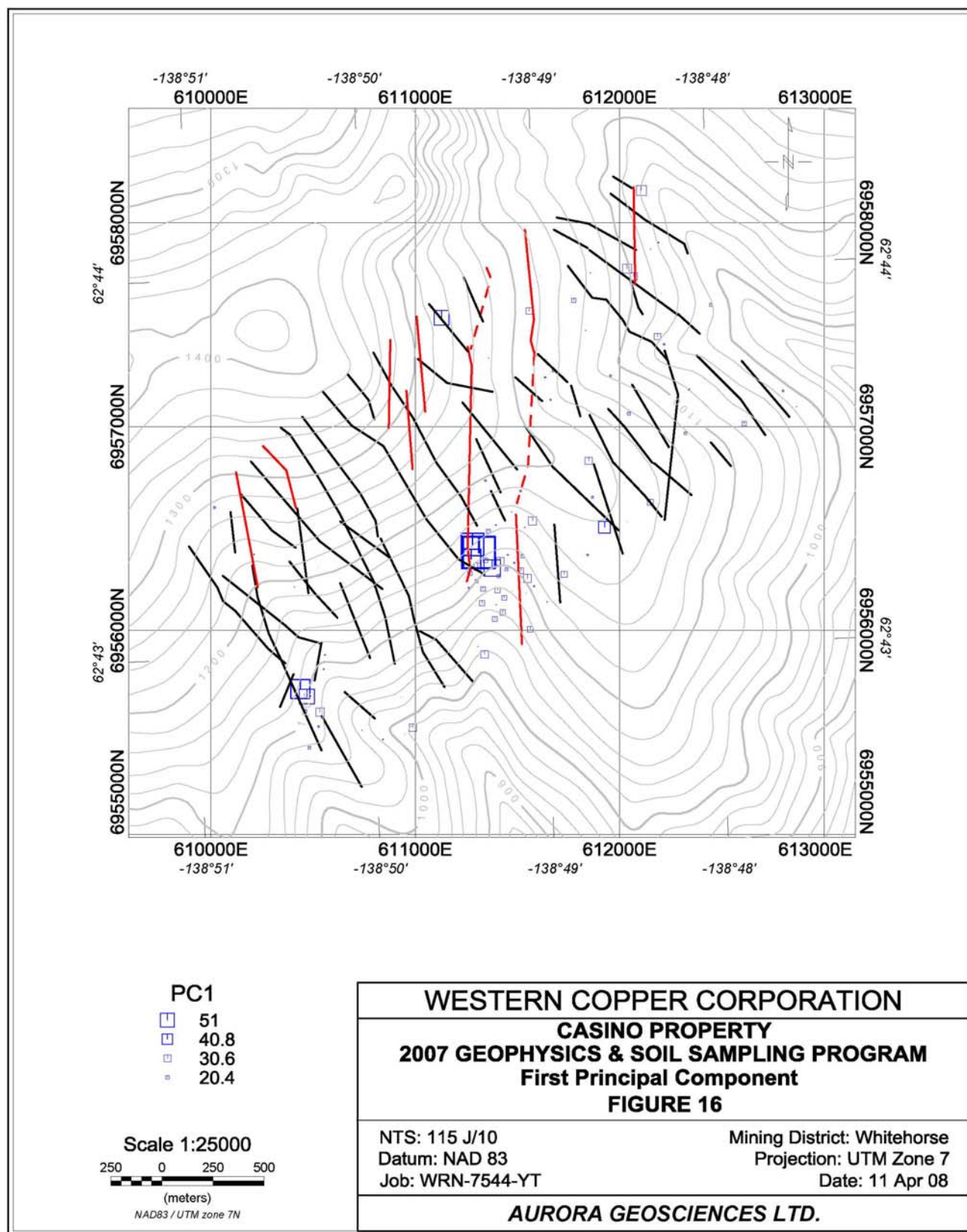


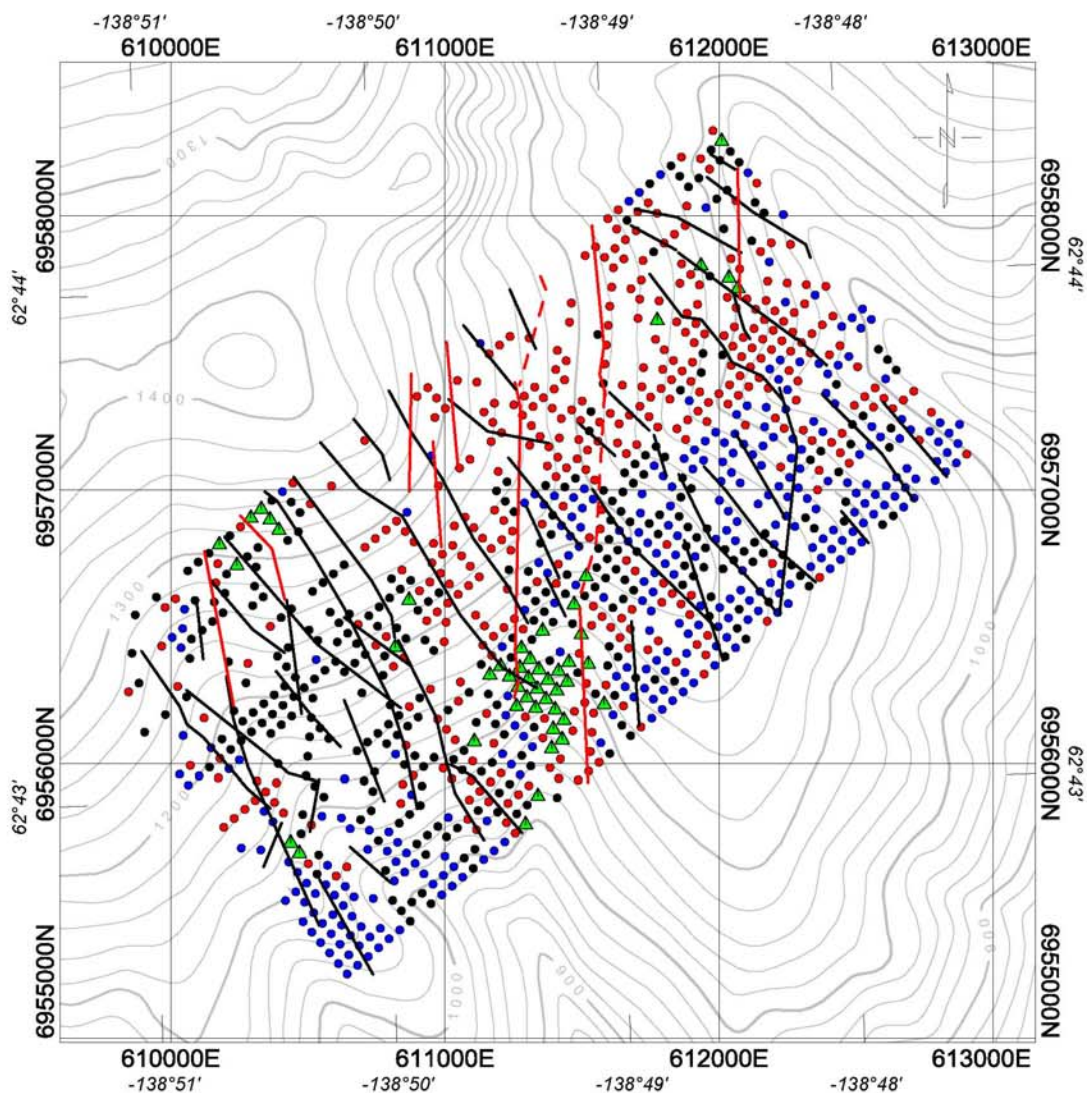
Figure 13
First Principal Component (PC1) Coefficients











Scale 1:25000
 250 0 250 500
 (meters)
 NAD83 / UTM zone 7N

WESTERN COPPER CORPORATION

CASINO PROPERTY

2007 GEOPHYSICS & SOIL SAMPLING PROGRAM

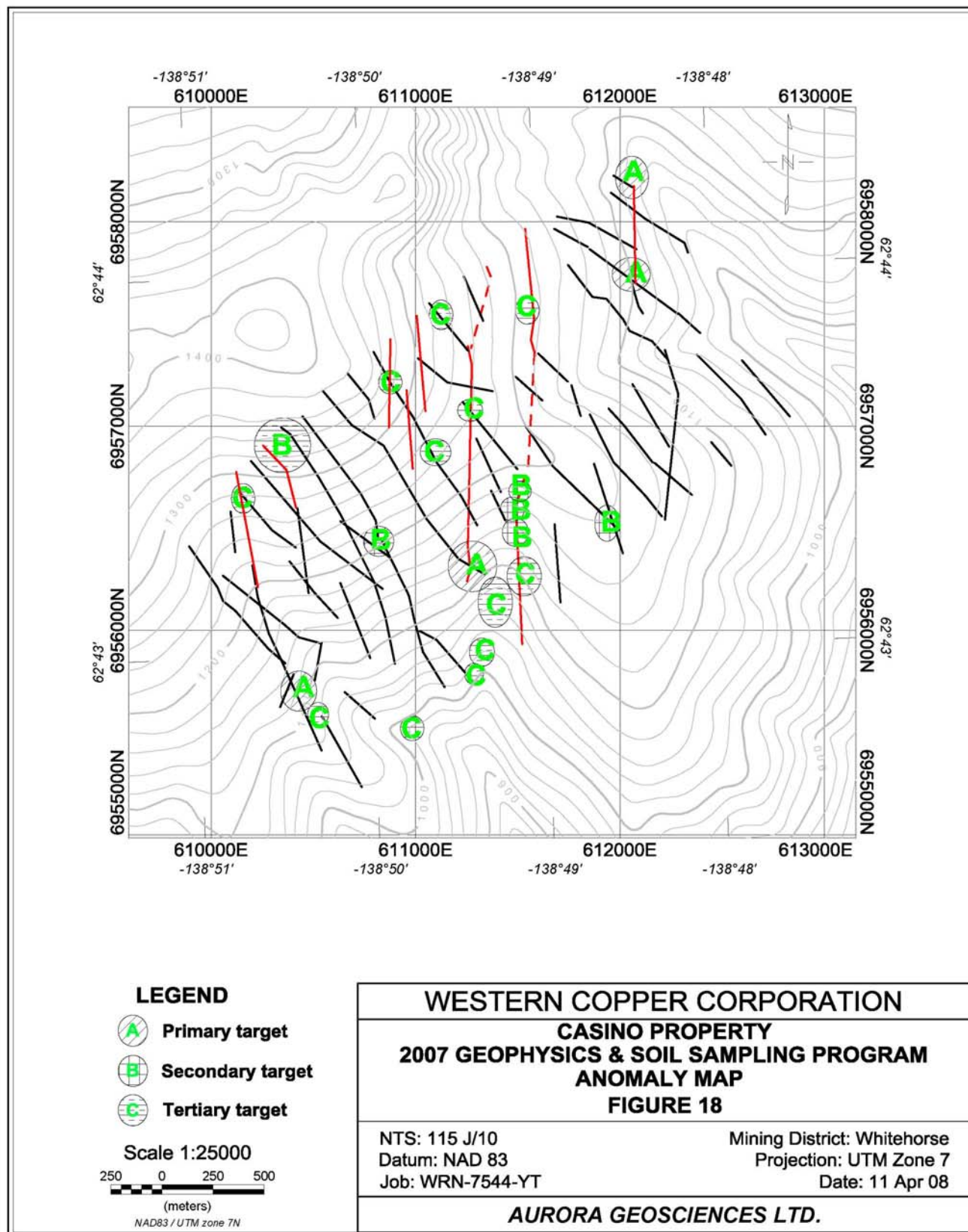
Pb, Zn & Ag Cluster Analysis with 4 Centers

FIGURE 17

NTS: 115 J/10
 Datum: NAD 83
 Job: WRN-7544-YT

Mining District: Whitehorse
 Projection: UTM Zone 7
 Date: 11 Apr 08

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8.2 Discussion

The total magnetic field (Figure 7) is generally higher in the grid-north area and lower in the grid-south. This may be an effect of coming into the potassic core of the Casino porphyry deposit centred on Patton Hill immediately grid-north of the survey area, or it could reflect increased overburden to the grid-south. There is a very good correlation between magnetic linear lows and conductors as defined by the VLF, and as these lineaments are generally better defined by the VLF they are discussed below. The exception to this is the set of NS conductors, which are not well oriented for the 2007 VLF survey and are more easily seen in the shaded total magnetic field map or the HLEM survey.

The dominant set of conductor axes are drawn in from the VLF Fraser filter map (Figure 9) which was a very effective tool to trace the conductive features running across the grid at approximately 140° azimuth. Although only conducted on three lines, the HLEM does show that the two sets of conductors have distinct features, as can be seen on Figure 11. The VLF features running at azimuth 140° tend to be weak vertical conductors with a predominantly symmetric quadrature HLEM response and almost no HLEM inphase response. Conversely, the NS features are stronger conductors as indicated by the increased inphase response and they are not vertical. Both NS conductors imaged by the HLEM (conductor G-O and conductor I-R) appear to dip E on lines 400 and 500, but at the L1000 crossing further to the north, one of the conductors appears to dip to the W.

There is some indication in the HLEM data that the NS features are made up of several related conductors. Conductors F and H on Figure 6 are very weak conductors that are not identified by the VLF survey and are on the flanks of conductors G and I, which are relatively strong. Similarly, weak conductors P and Q are on the flanks of the stronger conductors O and R. Surveying with a smaller coil separation could better distinguish and resolve these closely spaced conductors.

The locations of the historic workings are not well defined. Some of the old data have been digitised by Western Copper Corp. but there are large discrepancies in the resulting digital data. Digitised EM conductor axes identified by the exploration programs in the late 1960's do not correspond to conductor axes identified in the 2007 survey. However, if the road in the government digital database is accurate, then the location of the Bomber adit is likely to be fairly good as it plots close to the end of the road. This is in the vicinity of a crossing between a 140° conductor and a NS conductor. The economic mineralization at Bomber occurred in several veins within a wider, altered shear zone reported as striking 130°. Thus the junction of the two sets of conductors appears to provide a favourable environment for the high grade vein deposits.

Conductors A and B are at the grid-west edge of the survey area and both the HLEM and VLF data suggest that the conductors extend past the edge of the grid (see Figures 9 & 11). It is a complicated area where there appears to be sub-parallel conductors crossing, which is consistent with nearby conductors that are shown to be crossing in the 1966 EM survey results. This is in the vicinity of the Helicopter showing, although the exact

location of this showing is uncertain. There is the possibility that the Helicopter showing and trenches are either on the edge of the 2007 grid or off the grid.

Figure 14 shows the soil sample results for Pb, Zn & Ag, the main commodities extracted from the Bomber veins. These data are log transformed, but not trimmed. Only those values that are > 1 SD above the mean are plotted and the smallest symbol in the legend is 2 SD above the mean. VLF conductor axes and TMF low linears are also shown. The main feature of the map is the area in the vicinity of the Bomber adit where there is a 350 m (along strike) by 250 m (across strike) area of anomalous Pb, Zn and Ag. There are also elevated values of all three elements in the C grid, significantly at the intersection between two sets of linear features and in the Helicopter showing area. Several other anomalous values, predominantly Ag, occur north of the Bomber showing.

Figure 15 shows the soil sample results for Cu, Mo & Au, the primary commodities of the main Casino porphyry deposit. These data are log transformed, but not trimmed. Only those values that are > 1 SD above the mean are plotted and the smallest symbol in the legend is 2 SD above the mean. VLF conductor axes and TMF linear lows are also shown. Again the area around the Bomber adit has anomalous soil values, particularly in Cu. There are, in general, more elevated values of these elements in the grid-north portion of the survey area, perhaps reflecting proximity to the core of the Casino Cu-Mo-Au deposit. As can be seen from Figure 2, which shows all the sample locations, there is some bias against the grid-north portion of the survey area because the scarcity of soil caused an under-sampling of this area.

The first principal component PC1 is plotted in Figure 16 and exhibits a tighter focus than the elemental plots in Figures 10 and 11, particularly in the vicinity of the Bomber adit. Only those values that are > 1 SD above the mean are plotted and the smallest symbol in the legend is 2 SD above the mean. VLF conductor axes and TMF linear lows are also shown. The Vanadium depletion could partly be associated with the TMF low as Vanadium can be a substitute for Fe in magnetite. The depletion of Ga and Al are likely related as Ga often occurs with a very high correlation to Al. It should be noted that of the depleted elements that define PC1, most are only partially dissolved by an aqua regia digest, which is therefore not the best analysis technique for these elements (Al in particular). Nevertheless, the consistency of the depleted elements in the soil sample repeats is acceptable. Despite the lack of a geochemical model to explain the depletions and the potential for laboratory error with the defining elements of PC1, the results are well correlated with the known areas of high grade Pb, Zn and Ag showings as seen from Figure 16. This empirical evidence should not be dismissed.

Because PC1 did not measure the elements of interest directly, the transformed, centred and normalized data of Pb, Zn and Ag were clustered with a k-means algorithm using four centres and this is shown in Figure 17. There is reasonable geometric fractionation in the clustered results suggesting that the number of centres chosen and clustering algorithm were appropriate. The red and black groups tend to dominate in the grid-north part of the survey area while the blue group dominates in the grid-south portion. The green triangles identify the Bomber adit and the presumed locations of the Helicopter showing and the C

grid showing. In addition, there are several other locations identified by the clustering algorithm as potentially favourable sites.

9.0 CONCLUSIONS AND RECOMENDATIONS

Conclusions

- Several conductors were identified by VLF on the property trending at approximately 140° azimuth. Another set of conductors trending almost NS was identified by a combination of VLF, HLEM and TMF surveys. The intersection of the two sets of conductors appears to provide a favourable environment for high grade Pb-Zn-Ag deposits based on the assumed locations of the Bomber adit, the Helicopter showing and the showing on the “C grid”.
- Elevated Pb, Zn and Ag are observed at the assumed locations of the Bomber adit, the Helicopter showing and the showing on the “C grid”. The first principal component, although not directly related to commodities of interest, also highlights the known showings.
- The Helicopter showing may be either on the edge or off the grid of the 2007 survey.

Recommendations

- The locations of the historical work and showings should be verified by GPS on the ground as much as possible.
- Figure 14 shows a map of targets identified by the 2007 survey in order of priority.
 - Targets class A. Three locations identified by high first principal analysis components, clustered Pb-Zn-Ag, at the junction between the two sets of conductors (or unresolved complicated conductor structure in the case of the A target in the Helicopter area), and proximity to known occurrences. Some of the A targets may already be exposed and/or mined.
 - Targets class B. Locations identified by either high first principal component or clustered Pb-Zn-Ag at the junction (or a projected junction) of two sets of conductors / linears.
 - Targets class C. Untested intersections between conductors / linears (no soil sample taken), high values of first principal component, clustered Pb-Zn-Ag or individual elements Ag, Pb and Zn.

These targets should be prospected or trenched and finally, if further work continues to be positive, drilled.

- The surveys should be extended to close off targets at the edge of the grid. In addition, there may be potential for high grade Pb-Zn-Ag deposits all around the periphery of the potassic core of the Casino deposit. The 2007 survey covered only one quadrant of this potential.
- Detailed, highly focused HLEM on targets of merit could detail the conductive structures and provide guidance to drilling.

10.0 STATEMENT OF EXPENDITURES

EXPENSE INVOICES

Description	Qty	Unit	Subtotal	Amount	Invoice number
Fixed wing air charter				\$12,250.00	7581
				\$1,520.00	7613+7717
				\$-1,730.00	7698
			\$12,040.00		
Fuel				\$469.29	7510
				\$283.49	7613+7717
			\$752.78		
Food - non-taxable				\$751.56	7510
				\$295.77	7581
				\$343.57	7698
			\$1,390.90		
Food - taxable				\$133.77	7510
				\$48.28	7581
				\$1,206.63	7698
			\$1,388.68		
Field supplies				\$1,002.28	7510
				\$60.44	7581
				\$32.97	7613+7717
				\$48.11	7698
			\$1,143.80		
Cargo				\$39.75	7613+7717
				\$120.89	7698
			\$160.64		
Admin charges				\$353.54	7510
				\$1,286.00	7581
				\$205.43	7613+7717
				\$84.88	7698
			\$1,929.85		
Soil sample prep & analysis-Acme	1040	sample		\$15,308.80	VANI001257
			\$15,308.80		VANI001258
					VANI001259

SERVICE INVOICES

Description	Qty	Unit	Subtotal	Amount	Invoice number
Interim data processing & project mngmnt	4	hours		\$330.00	7511
	3	hours		\$270.00	7524
			\$600.00		
Line cutting	24	man-day		\$10,439.00	7511
	4	man-day		\$1,064.00	7524
			\$11,503.00		
Soil sampling	44	man-day		\$16,819.00	7511
	12	man-day		\$4,587.00	7524
			\$21,406.00		
HLEM / VLF test	12	man-day		\$7,964.00	7511
			\$7,964.00		
ATV rental	8	days		880.00	7511
	15	days		\$1,650.00	7524
	4	days		\$440.00	7591
			\$2,970.00		
Camp rental	8	days		\$2,160.00	7511
	15	days		\$1,800.00	7524
	4	days		\$480.00	7591
			\$4,440.00		
VLF / mag crew	40	man-day		\$20,188.00	7524
	8	man-day		\$3,936.00	7591
			\$24,124.00		
Expediting	4	hours		\$260.00	7591
			\$260.00		
Soil sample prep	11	hours		\$825.00	7591
			\$825.00		
Field reports				\$3,050.00	7591
				\$487.50	7670
			\$3,537.50		
Final report				\$9,000.00	
			\$9,000.00		
GST				\$7,071.24	
TOTAL			\$127,816.19		

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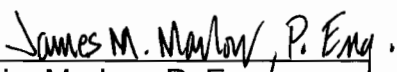
APPENDIX I
STATEMENT OF QUALIFICATIONS

CERTIFICATE

I, Jim Marlow, P. Eng., Chief Mining Engineer at Western Copper Corporation, with offices at 2050 – 1111 West Georgia St., Vancouver, BC, V6E 4M3 do hereby certify that:

1. I graduated from the Faculty of Applied Science at the University of British Columbia in 1987 with a degree in Mining and Mineral Process Engineering
2. I am a Professional Engineer in good standing registered with the Association of Professional Engineers and Geoscientists of the Province of BC. I was registered in 1992
3. I have been employed as Chief Mining Engineer with Western Copper Corporation since May 2006.
4. From 1987 to the present I have practiced my profession in mining and mineral exploration in the USA, Mexico, Peru, Tajikistan, Alberta, British Columbia and the Yukon Territory
5. I have supervised the work described in this report

Signed this 2nd day of December, 2008


Jim Marlow, P. Eng.

CERTIFICATE

I, Konstantin Lesnikov, residing at 5549 Nelson Avenue, Burnaby, B.C., do hereby certify that:

1. I graduated from the Faculty of Mining and Geology at the University of Belgrade, Yugoslavia in 1991 with a B.Sc. degree in Petrology and Geochemistry.
2. From 1997 to present, I have been working for Canadian mining companies as a mineral exploration geologist. I have been actively involved in mineral exploration in Peru, British Columbia and Yukon Territory.
3. Since March 2007 I have been employed as a geologist with Western Copper Corporation.
4. I have participated in planning and supervising the work described in this report.

Signed this 2nd day of December, 2008



Konstantin Lesnikov

Appendix II

LIST OF MINERAL CLAIMS

"VIK" MINERAL CLAIMS (188) - WHITEHORSE MINING DISTRICT

No.	Grant Number	Claim Name	Claim No.	Expiry Date	Owner	NTS Map Sheet	Status
1	YC64893	VIK	1	5-Jun-2012	CRS - 100%.	115J10	Active
2	YC64894	VIK	2	5-Jun-2012	CRS - 100%.	115J10	Active
3	YC64895	VIK	3	5-Jun-2012	CRS - 100%.	115J10	Active
4	YC64896	VIK	4	5-Jun-2012	CRS - 100%.	115J10	Active
5	YC64897	VIK	5	5-Jun-2012	CRS - 100%.	115J10	Active
6	YC64898	VIK	6	5-Jun-2012	CRS - 100%.	115J10	Active
7	YC64899	VIK	7	5-Jun-2012	CRS - 100%.	115J10	Active
8	YC64900	VIK	8	5-Jun-2012	CRS - 100%.	115J10	Active
9	YC64901	VIK	9	5-Jun-2012	CRS - 100%.	115J10	Active
10	YC64902	VIK	10	5-Jun-2012	CRS - 100%.	115J10	Active
11	YC64903	VIK	11	5-Jun-2012	CRS - 100%.	115J10	Active
12	YC64904	VIK	12	5-Jun-2012	CRS - 100%.	115J10	Active
13	YC64905	VIK	13	5-Jun-2012	CRS - 100%.	115J10	Active
14	YC64906	VIK	14	5-Jun-2012	CRS - 100%.	115J10	Active
15	YC64907	VIK	15	5-Jun-2012	CRS - 100%.	115J10	Active
16	YC64908	VIK	16	5-Jun-2012	CRS - 100%.	115J10	Active
17	YC64909	VIK	17	5-Jun-2012	CRS - 100%.	115J10	Active
18	YC64910	VIK	18	5-Jun-2012	CRS - 100%.	115J10	Active
19	YC64911	VIK	19	5-Jun-2012	CRS - 100%.	115J10	Active
20	YC64912	VIK	20	5-Jun-2012	CRS - 100%.	115J10	Active
21	YC64913	VIK	21	5-Jun-2012	CRS - 100%.	115J10	Active
22	YC64914	VIK	22	5-Jun-2012	CRS - 100%.	115J10	Active
23	YC64915	VIK	23	5-Jun-2012	CRS - 100%.	115J10	Active
24	YC64916	VIK	24	5-Jun-2012	CRS - 100%.	115J10	Active
25	YC64917	VIK	25	5-Jun-2012	CRS - 100%.	115J10	Active
26	YC64918	VIK	26	5-Jun-2012	CRS - 100%.	115J10	Active
27	YC64919	VIK	27	5-Jun-2012	CRS - 100%.	115J10	Active
28	YC64920	VIK	28	5-Jun-2012	CRS - 100%.	115J10	Active
29	YC64921	VIK	29	5-Jun-2012	CRS - 100%.	115J10	Active
30	YC64922	VIK	30	5-Jun-2012	CRS - 100%.	115J10	Active
31	YC64923	VIK	31	5-Jun-2012	CRS - 100%.	115J10	Active
32	YC64924	VIK	32	5-Jun-2012	CRS - 100%.	115J10	Active
33	YC64925	VIK	33	5-Jun-2012	CRS - 100%.	115J10	Active
34	YC64926	VIK	34	5-Jun-2012	CRS - 100%.	115J10	Active
35	YC64927	VIK	35	5-Jun-2012	CRS - 100%.	115J10	Active
36	YC64928	VIK	36	5-Jun-2012	CRS - 100%.	115J10	Active
37	YC64929	VIK	37	5-Jun-2012	CRS - 100%.	115J10	Active
38	YC64930	VIK	38	5-Jun-2012	CRS - 100%.	115J10	Active
39	YC64931	VIK	39	5-Jun-2012	CRS - 100%.	115J10	Active
40	YC64932	VIK	40	5-Jun-2012	CRS - 100%.	115J10	Active
41	YC64933	VIK	41	5-Jun-2012	CRS - 100%.	115J10	Active

"VIK" MINERAL CLAIMS (188) - WHITEHORSE MINING DISTRICT

No.	Grant Number	Claim Name	Claim No.	Expiry Date	Owner	NTS Map Sheet	Status
42	YC64934	VIK	42	5-Jun-2012	CRS - 100%.	115J10	Active
43	YC64935	VIK	43	5-Jun-2012	CRS - 100%.	115J10	Active
44	YC64936	VIK	44	5-Jun-2012	CRS - 100%.	115J10	Active
45	YC64937	VIK	45	5-Jun-2012	CRS - 100%.	115J10	Active
46	YC64938	VIK	46	5-Jun-2012	CRS - 100%.	115J10	Active
47	YC64939	VIK	47	5-Jun-2012	CRS - 100%.	115J10	Active
48	YC64940	VIK	48	5-Jun-2012	CRS - 100%.	115J10	Active
49	YC64941	VIK	49	5-Jun-2012	CRS - 100%.	115J10	Active
50	YC64942	VIK	50	5-Jun-2012	CRS - 100%.	115J10	Active
51	YC64943	VIK	51	5-Jun-2012	CRS - 100%.	115J10	Active
52	YC64944	VIK	52	5-Jun-2012	CRS - 100%.	115J10	Active
53	YC64945	VIK	53	5-Jun-2012	CRS - 100%.	115J10	Active
54	YC64946	VIK	54	5-Jun-2012	CRS - 100%.	115J10	Active
55	YC64947	VIK	55	5-Jun-2012	CRS - 100%.	115J10	Active
56	YC64948	VIK	56	5-Jun-2012	CRS - 100%.	115J10	Active
57	YC64949	VIK	57	5-Jun-2012	CRS - 100%.	115J10	Active
58	YC64950	VIK	58	5-Jun-2012	CRS - 100%.	115J10	Active
59	YC64951	VIK	59	5-Jun-2012	CRS - 100%.	115J10	Active
60	YC64952	VIK	60	5-Jun-2012	CRS - 100%.	115J10	Active
61	YC64953	VIK	61	5-Jun-2012	CRS - 100%.	115J10	Active
62	YC64954	VIK	62	5-Jun-2012	CRS - 100%.	115J10	Active
63	YC64955	VIK	63	5-Jun-2012	CRS - 100%.	115J10	Active
64	YC64956	VIK	64	5-Jun-2012	CRS - 100%.	115J10	Active
65	YC64957	VIK	65	5-Jun-2012	CRS - 100%.	115J10	Active
66	YC64958	VIK	66	5-Jun-2012	CRS - 100%.	115J10	Active
67	YC64959	VIK	67	5-Jun-2012	CRS - 100%.	115J10	Active
68	YC64960	VIK	68	5-Jun-2012	CRS - 100%.	115J10	Active
69	YC64961	VIK	69	5-Jun-2012	CRS - 100%.	115J10	Active
70	YC64962	VIK	70	5-Jun-2012	CRS - 100%.	115J10	Active
71	YC64963	VIK	71	5-Jun-2012	CRS - 100%.	115J10	Active
72	YC64964	VIK	72	5-Jun-2012	CRS - 100%.	115J10	Active
73	YC64965	VIK	73	5-Jun-2012	CRS - 100%.	115J10	Active
74	YC64966	VIK	74	5-Jun-2012	CRS - 100%.	115J10	Active
75	YC64967	VIK	75	5-Jun-2012	CRS - 100%.	115J10	Active
76	YC64968	VIK	76	5-Jun-2012	CRS - 100%.	115J10	Active
77	YC64969	VIK	77	5-Jun-2012	CRS - 100%.	115J10	Active
78	YC64970	VIK	78	5-Jun-2012	CRS - 100%.	115J10	Active
79	YC64971	VIK	79	5-Jun-2012	CRS - 100%.	115J10	Active
80	YC64972	VIK	80	5-Jun-2012	CRS - 100%.	115J10	Active
81	YC64973	VIK	81	5-Jun-2012	CRS - 100%.	115J10	Active
82	YC64974	VIK	82	5-Jun-2012	CRS - 100%.	115J10	Active
83	YC64975	VIK	83	5-Jun-2012	CRS - 100%.	115J10	Active
84	YC64976	VIK	84	5-Jun-2012	CRS - 100%.	115J10	Active

“VIK” MINERAL CLAIMS (188) - WHITEHORSE MINING DISTRICT

No.	Grant Number	Claim Name	Claim No.	Expiry Date	Owner	NTS Map Sheet	Status
85	YC64977	VIK	85	5-Jun-2012	CRS - 100%.	115J10	Active
86	YC64978	VIK	86	5-Jun-2012	CRS - 100%.	115J10	Active
87	YC64979	VIK	87	5-Jun-2012	CRS - 100%.	115J10	Active
88	YC64980	VIK	88	5-Jun-2012	CRS - 100%.	115J10	Active
89	YC64981	VIK	89	5-Jun-2012	CRS - 100%.	115J10	Active
90	YC64982	VIK	90	5-Jun-2012	CRS - 100%.	115J10	Active
91	YC64983	VIK	91	5-Jun-2012	CRS - 100%.	115J10	Active
92	YC64984	VIK	92	5-Jun-2012	CRS - 100%.	115J10	Active
93	YC64985	VIK	93	5-Jun-2012	CRS - 100%.	115J10	Active
94	YC64986	VIK	94	5-Jun-2012	CRS - 100%.	115J10	Active
95	YC64987	VIK	95	5-Jun-2012	CRS - 100%.	115J10	Active
96	YC64988	VIK	96	5-Jun-2012	CRS - 100%.	115J10	Active
97	YC64989	VIK	97	5-Jun-2012	CRS - 100%.	115J10	Active
98	YC64990	VIK	98	5-Jun-2012	CRS - 100%.	115J10	Active
99	YC64991	VIK	99	5-Jun-2012	CRS - 100%.	115J10	Active
100	YC64992	VIK	100	5-Jun-2012	CRS - 100%.	115J10	Active
101	YC64993	VIK	101	5-Jun-2012	CRS - 100%.	115J10	Active
102	YC64994	VIK	102	5-Jun-2012	CRS - 100%.	115J10	Active
103	YC64995	VIK	103	5-Jun-2012	CRS - 100%.	115J10	Active
104	YC64996	VIK	104	5-Jun-2012	CRS - 100%.	115J10	Active
105	YC64997	VIK	105	5-Jun-2012	CRS - 100%.	115J10	Active
106	YC64998	VIK	106	5-Jun-2012	CRS - 100%.	115J10	Active
107	YC64999	VIK	107	5-Jun-2012	CRS - 100%.	115J10	Active
108	YC65000	VIK	108	5-Jun-2012	CRS - 100%.	115J10	Active
109	YC65001	VIK	109	5-Jun-2012	CRS - 100%.	115J10	Active
110	YC65002	VIK	110	5-Jun-2012	CRS - 100%.	115J10	Active
111	YC65003	VIK	111	5-Jun-2012	CRS - 100%.	115J10	Active
112	YC65004	VIK	112	5-Jun-2012	CRS - 100%.	115J10	Active
113	YC65005	VIK	113	5-Jun-2012	CRS - 100%.	115J10	Active
114	YC65006	VIK	114	5-Jun-2012	CRS - 100%.	115J10	Active
115	YC65007	VIK	115	5-Jun-2012	CRS - 100%.	115J10	Active
116	YC65008	VIK	116	5-Jun-2012	CRS - 100%.	115J10	Active
117	YC65009	VIK	117	5-Jun-2012	CRS - 100%.	115J10	Active
118	YC65010	VIK	118	5-Jun-2012	CRS - 100%.	115J15	Active
119	YC65011	VIK	119	5-Jun-2012	CRS - 100%.	115J15	Active
120	YC65012	VIK	120	5-Jun-2012	CRS - 100%.	115J15	Active
121	YC65013	VIK	121	5-Jun-2012	CRS - 100%.	115J15	Active
122	YC65014	VIK	122	5-Jun-2012	CRS - 100%.	115J15	Active
123	YC65015	VIK	123	5-Jun-2012	CRS - 100%.	115J15	Active
124	YC65016	VIK	124	5-Jun-2012	CRS - 100%.	115J15	Active
125	YC65017	VIK	125	5-Jun-2012	CRS - 100%.	115J15	Active
126	YC65018	VIK	126	5-Jun-2012	CRS - 100%.	115J15	Active
127	YC65019	VIK	127	5-Jun-2012	CRS - 100%.	115J15	Active

“VIK” MINERAL CLAIMS (188) - WHITEHORSE MINING DISTRICT

No.	Grant Number	Claim Name	Claim No.	Expiry Date	Owner	NTS Map Sheet	Status
128	YC65020	VIK	128	5-Jun-2012	CRS - 100%.	115J15	Active
129	YC65021	VIK	129	5-Jun-2012	CRS - 100%.	115J15	Active
130	YC65022	VIK	130	5-Jun-2012	CRS - 100%.	115J15	Active
131	YC65023	VIK	131	5-Jun-2012	CRS - 100%.	115J15	Active
132	YC65024	VIK	132	5-Jun-2012	CRS - 100%.	115J15	Active
133	YC65025	VIK	133	5-Jun-2012	CRS - 100%.	115J15	Active
134	YC65026	VIK	134	5-Jun-2012	CRS - 100%.	115J15	Active
135	YC65027	VIK	135	5-Jun-2012	CRS - 100%.	115J15	Active
136	YC65028	VIK	136	5-Jun-2012	CRS - 100%.	115J15	Active
137	YC65029	VIK	137	5-Jun-2012	CRS - 100%.	115J15	Active
138	YC65030	VIK	138	5-Jun-2012	CRS - 100%.	115J15	Active
139	YC65031	VIK	139	5-Jun-2012	CRS - 100%.	115J15	Active
140	YC65032	VIK	140	5-Jun-2012	CRS - 100%.	115J15	Active
141	YC65033	VIK	141	5-Jun-2012	CRS - 100%.	115J15	Active
142	YC65034	VIK	142	5-Jun-2012	CRS - 100%.	115J15	Active
143	YC65035	VIK	143	5-Jun-2012	CRS - 100%.	115J15	Active
144	YC65036	VIK	144	5-Jun-2012	CRS - 100%.	115J15	Active
145	YC65037	VIK	145	5-Jun-2012	CRS - 100%.	115J15	Active
146	YC65038	VIK	146	5-Jun-2012	CRS - 100%.	115J15	Active
147	YC65039	VIK	147	5-Jun-2012	CRS - 100%.	115J15	Active
148	YC65040	VIK	148	5-Jun-2012	CRS - 100%.	115J15	Active
149	YC65041	VIK	149	5-Jun-2012	CRS - 100%.	115J15	Active
150	YC65042	VIK	150	5-Jun-2012	CRS - 100%.	115J15	Active
151	YC65043	VIK	151	5-Jun-2012	CRS - 100%.	115J15	Active
152	YC65044	VIK	152	5-Jun-2012	CRS - 100%.	115J15	Active
153	YC65045	VIK	153	5-Jun-2012	CRS - 100%.	115J15	Active
154	YC65046	VIK	154	5-Jun-2012	CRS - 100%.	115J15	Active
155	YC65047	VIK	155	5-Jun-2012	CRS - 100%.	115J15	Active
156	YC65048	VIK	156	5-Jun-2012	CRS - 100%.	115J15	Active
157	YC65049	VIK	157	5-Jun-2012	CRS - 100%.	115J15	Active
158	YC65050	VIK	158	5-Jun-2012	CRS - 100%.	115J15	Active
159	YC65051	VIK	159	5-Jun-2012	CRS - 100%.	115J15	Active
160	YC65052	VIK	160	5-Jun-2012	CRS - 100%.	115J15	Active
161	YC65053	VIK	161	5-Jun-2012	CRS - 100%.	115J15	Active
162	YC65054	VIK	162	5-Jun-2012	CRS - 100%.	115J15	Active
163	YC65055	VIK	163	5-Jun-2012	CRS - 100%.	115J15	Active
164	YC65056	VIK	164	5-Jun-2012	CRS - 100%.	115J15	Active
165	YC65057	VIK	165	5-Jun-2012	CRS - 100%.	115J15	Active
166	YC65058	VIK	166	5-Jun-2012	CRS - 100%.	115J15	Active
167	YC65059	VIK	167	5-Jun-2012	CRS - 100%.	115J15	Active
168	YC65060	VIK	168	5-Jun-2012	CRS - 100%.	115J15	Active
169	YC65061	VIK	169	5-Jun-2012	CRS - 100%.	115J15	Active

“VIK” MINERAL CLAIMS (188) - WHITEHORSE MINING DISTRICT

No.	Grant Number	Claim Name	Claim No.	Expiry Date	Owner	NTS Map Sheet	Status
170	YC65062	VIK	170	5-Jun-2012	CRS - 100%.	115J15	Active
171	YC65063	VIK	171	5-Jun-2012	CRS - 100%.	115J15	Active
172	YC65064	VIK	172	5-Jun-2012	CRS - 100%.	115J15	Active
173	YC65065	VIK	173	5-Jun-2012	CRS - 100%.	115J15	Active
174	YC65066	VIK	174	5-Jun-2012	CRS - 100%.	115J15	Active
175	YC65067	VIK	175	5-Jun-2012	CRS - 100%.	115J15	Active
176	YC65068	VIK	176	5-Jun-2012	CRS - 100%.	115J15	Active
177	YC65069	VIK	177	5-Jun-2012	CRS - 100%.	115J15	Active
178	YC65070	VIK	178	5-Jun-2012	CRS - 100%.	115J15	Active
179	YC65071	VIK	179	5-Jun-2012	CRS - 100%.	115J15	Active
180	YC65072	VIK	180	5-Jun-2012	CRS - 100%.	115J15	Active
181	YC65073	VIK	181	5-Jun-2012	CRS - 100%.	115J15	Active
182	YC65074	VIK	182	5-Jun-2012	CRS - 100%.	115J15	Active
183	YC65075	VIK	183	5-Jun-2012	CRS - 100%.	115J15	Active
184	YC65076	VIK	184	5-Jun-2012	CRS - 100%.	115J15	Active
185	YC65077	VIK	185	5-Jun-2012	CRS - 100%.	115J15	Active
186	YC65078	VIK	186	5-Jun-2012	CRS - 100%.	115J15	Active
187	YC65079	VIK	187	5-Jun-2012	CRS - 100%.	115J15	Active
188	YC65080	VIK	188	5-Jun-2012	CRS - 100%.	115J15	Active

“JOE” MINERAL CLAIMS (23) - WHITEHORSE MINING DISTRICT

No.	Grant Number	Claim Name	Claim No.	Expiry Date	Owner	NTS Map Sheet	Status
1	Y 51849	CAT (F)	26	25-Mar-2012	CRS 100%	115J10	Active
2	Y 10693	JOE	89	5-Jun-2012	CRS 100%	115J10	Active
3	Y 10694	JOE	90	5-Jun-2012	CRS 100%	115J110	Active
4	Y 51850	JOE (F)	91	5-Jun-2012	CRS 100%	115J10	Active
5	Y 10695	JOE	91	5-Jun-2012	CRS 100%	115J10	Active
6	Y 10696	JOE	92	5-Jun-2012	CRS 100%	115J10	Active
7	Y 51851	JOE (F)	92	5-Jun-2012	CRS 100%	115J10	Active
8	Y 10697	JOE	93	5-Jun-2012	CRS 100%	115J10	Active
9	Y 51852	JOE (F)	93	5-Jun-2012	CRS 100%	115J10	Active
10	Y 10698	JOE	94	5-Jun-2012	CRS 100%	115J10	Active
11	Y 51853	JOE (F)	94	5-Jun-2012	CRS 100%	115J10	Active
12	Y 10699	JOE	95	5-Jun-2012	CRS 100%	115J10	Active
13	Y 51854	JOE (F)	95	5-Jun-2012	CRS 100%	115J10	Active
14	Y 10700	JOE	96	5-Jun-2012	CRS 100%	115J10	Active
15	Y 51855	JOE (F)	96	5-Jun-2012	CRS 100%	115J10	Active
16	Y 10702	JOE	98	5-Jun-2012	CRS 100%	115J10	Active
17	Y 10703	JOE	99	5-Jun-2012	CRS 100%	115J10	Active
18	Y 10705	JOE	101	5-Jun-2012	CRS 100%	115J10	Active

“JOE” MINERAL CLAIMS (23) - WHITEHORSE MINING DISTRICT

No.	Grant Number	Claim Name	Claim No.	Expiry Date	Owner	NTS Map Sheet	Status
19	Y 10706	JOE	102	5-Jun-2012	CRS 100%	115J10	Active
20	Y 10707	JOE	103	5-Jun-2012	CRS 100%	115J15	Active
21	Y 10708	JOE	104	5-Jun-2012	CRS 100%	115J15	Active
22	Y 35192	MOUSE	1	5-Jun-2012	CRS 100%	115J10	Active
23	Y 35193	MOUSE	2	5-Jun-2012	CRS 100%	115J10	Active

CASINO “A” MINERAL CLAIMS (83) - WHITEHORSE MINING DISTRICT

No.	Grant Number	Claim Name	Claim No.	Expiry Date	Owner	NTS Map Sheet	Status
1	Y 10701	JOE	97	25-Mar-2012	CRS 100%	115J10	Active
2	Y 10704	JOE	100	25-Mar-2012	CRS 100%	115J10	Active
3	56983	#1 AIRPORT GROUP	-	25-Mar-2012	CRS 100%	115J10	Active
4	56990	#2 AIRPORT GROUP	-	25-Mar-2012	CRS 100%	115J10	Active
5	56984	#3 AIRPORT GROUP	-	25-Mar-2012	CRS 100%	115J10	Active
6	56991	#4 AIRPORT GROUP	-	25-Mar-2012	CRS 100%	115J10	Active
7	56985	#5 AIRPORT GROUP	-	25-Mar-2012	CRS 100%	115J10	Active
8	56992	#6 AIRPORT GROUP	-	25-Mar-2012	CRS 100%	115J10	Active
9	56993	#8 AIRPORT GROUP	-	25-Mar-2012	CRS 100%	115J10	Active
10	56979	#1 BOMBER GROUP	-	25-Mar-2012	CRS 100%	115J10	Active
11	56987	#2 BOMBER GROUP	-	25-Mar-2012	CRS 100%	115J10	Active
12	56980	#3 BOMBER GROUP	-	25-Mar-2012	CRS 100%	115J10	Active
13	56981	#5 BOMBER GROUP	-	25-Mar-2012	CRS 100%	115J10	Active
14	56988	#6 BOMBER GROUP	-	25-Mar-2012	CRS 100%	115J10	Active
15	Y 35585	LOST FR.	1	25-Mar-2014	CRS 100%	115J10	Active
16	Y 35586	LOST FR.	2	25-Mar-2013	CRS 100%	115J10	Active
17	Y 35587	LOST FR.	3	25-Mar-2013	CRS 100%	115J10	Active
18	92201	CAT	1	25-Mar-2012	CRS 100%	115J10	Active
19	Y 51846	CAT (>F)	1	25-Mar-2012	CRS 100%	115J10	Active
20	92202	CAT	2	25-Mar-2012	CRS 100%	115J10	Active
21	Y 51847	CAT (F)	2	25-Mar-2012	CRS 100%	115J10	Active
22	92203	CAT	3	25-Mar-2012	CRS 100%	115J10	Active

CASINO "A" MINERAL CLAIMS (83) - WHITEHORSE MINING DISTRICT

No.	Grant Number	Claim Name	Claim No.	Expiry Date	Owner	NTS Map Sheet	Status
23	Y 39601	CAT (F)	3	25-Mar-2012	CRS 100%	115J10	Active
24	92204	CAT	4	25-Mar-2012	CRS 100%	115J10	Active
25	Y 39602	CAT (F)	4	25-Mar-2012	CRS 100%	115J10	Active
26	92205	CAT	5	25-Mar-2012	CRS 100%	115J10	Active
27	92206	CAT	6	25-Mar-2012	CRS 100%	115J10	Active
28	92207	CAT	7	25-Mar-2012	CRS 100%	115J10	Active
29	92208	CAT	8	25-Mar-2012	CRS 100%	115J10	Active
30	92209	CAT	9	25-Mar-2012	CRS 100%	115J10	Active
31	92210	CAT	10	25-Mar-2012	CRS 100%	115J10	Active
32	92211	CAT	11	25-Mar-2012	CRS 100%	115J10	Active
33	92212	CAT	12	25-Mar-2012	CRS 100%	115J10	Active
34	92213	CAT	13	25-Mar-2012	CRS 100%	115J10	Active
35	92214	CAT	14	25-Mar-2012	CRS 100%	115J10	Active
36	92215	CAT	15	25-Mar-2012	CRS 100%	115J10	Active
37	92216	CAT	16	25-Mar-2012	CRS 100%	115J10	Active
38	92217	CAT	17	25-Mar-2012	CRS 100%	115J10	Active
39	92218	CAT	18	25-Mar-2012	CRS 100%	115J10	Active
40	92219	CAT	19	25-Mar-2012	CRS 100%	115J10	Active
41	92220	CAT	20	25-Mar-2012	CRS 100%	115J10	Active
42	92221	CAT	21	25-Mar-2012	CRS 100%	115J10	Active
43	92222	CAT	22	25-Mar-2012	CRS 100%	115J10	Active
44	92764	CAT	23	25-Mar-2012	CRS 100%	115J10	Active
45	Y 36686	CAT (F)	22	25-Mar-2013	CRS 100%	115J10	Active
46	Y 39603	CAT (F)	23	25-Mar-2012	CRS 100%	115J10	Active
47	92765	CAT	24	25-Mar-2012	CRS 100%	115J10	Active
48	92766	CAT	25	25-Mar-2012	CRS 100%	115J10	Active
49	92776	CAT	35	25-Mar-2012	CRS 100%	115J10	Active
50	92777	CAT	36	25-Mar-2012	CRS 100%	115J10	Active
51	92778	CAT	37	25-Mar-2012	CRS 100%	115J10	Active
52	92779	CAT	38	25-Mar-2012	CRS 100%	115J10	Active
53	92780	CAT	39	25-Mar-2012	CRS 100%	115J10	Active
54	92781	CAT	40	25-Mar-2012	CRS 100%	115J10	Active
55	92782	CAT	41	25-Mar-2012	CRS 100%	115J10	Active
56	92783	CAT	42	25-Mar-2012	CRS 100%	115J10	Active
57	95724	CAT	47	25-Mar-2012	CRS 100%	115J10	Active
58	Y 36687	CAT (F)	47	25-Mar-2012	CRS 100%	115J10	Active
59	95725	CAT	48	25-Mar-2012	CRS 100%	115J10	Active
60	Y 36688	CAT (F)	48	25-Mar-2012	CRS 100%	115J10	Active
61	95726	CAT	49	25-Mar-2012	CRS 100%	115J10	Active
62	95727	CAT	50	25-Mar-2012	CRS 100%	115J10	Active
63	95728	CAT	51	25-Mar-2012	CRS 100%	115J10	Active
64	95729	CAT	52	25-Mar-2012	CRS 100%	115J10	Active
65	95730	CAT	53	25-Mar-2012	CRS 100%	115J10	Active
66	95731	CAT	54	25-Mar-2012	CRS 100%	115J10	Active

CASINO "A" MINERAL CLAIMS (83) - WHITEHORSE MINING DISTRICT

No.	Grant Number	Claim Name	Claim No.	Expiry Date	Owner	NTS Map Sheet	Status
67	95732	CAT	55	25-Mar-2012	CRS 100%	115J15	Active
68	95733	CAT	56	25-Mar-2012	CRS 100%	115J15	Active
69	95734	CAT	57	25-Mar-2012	CRS 100%	115J10	Active
70	Y 36689	CAT (F)	57	5-Jun-2012	CRS 100%	115J10	Active
71	95736	CAT	59	25-Mar-2012	CRS 100%	115J10	Active
72	95735	CAT	58	25-Mar-2014	CRS 100%	115J10	Active
73	95737	CAT	60	25-Mar-2012	CRS 100%	115J10	Active
74	95738	CAT	61	25-Mar-2012	CRS 100%	115J10	Active
75	Y 36690	CAT (F)	62	25-Mar-2012	CRS 100%	115J10	Active
76	95739	CAT	62	25-Mar-2012	CRS 100%	115J10	Active
77	Y 35582	MOUSE (F)	161	25-Mar-2012	CRS 100%	115J10	Active
78	Y 35583	MOUSE (F)	162	25-Mar-2013	CRS 100%	115J10	Active
79	Y 35584	MOUSE (F)	163	25-Mar-2013	CRS 100%	115J10	Active
80	YB37280	F	29	25-Mar-2012	CRS 100%	115J10	Active
81	YB37282	F	31	25-Mar-2012	CRS 100%	115J10	Active
82	YB37284	F	33	25-Mar-2012	CRS 100%	115J10	Active
83	4252	HELICOPTER	-	25-Mar-2012	CRS 100%	115J10	Active

CASINO "B" MINERAL CLAIMS (55) - WHITEHORSE MINING DISTRICT

No.	Grant Number	Claim Name	Claim No.	Expiry Date	Owner	NTS Map Sheet	Status
1	YB36618	CAS	31	25-Mar-2012	CRS 100%	115J10	Active
2	YB36619	CAS	32	25-Mar-2012	CRS 100%	115J10	Active
3	YB36620	CAS	33	25-Mar-2012	CRS 100%	115J15	Active
4	YB36621	CAS	34	25-Mar-2012	CRS 100%	115J15	Active
5	YB36622	CAS	35	25-Mar-2012	CRS 100%	115J15	Active
6	YB36623	CAS	36	25-Mar-2012	CRS 100%	115J15	Active
7	95740	CAT	63	25-Mar-2012	CRS 100%	115J10	Active
8	95741	CAT	64	25-Mar-2012	CRS 100%	115J10	Active
9	95742	CAT	65	25-Mar-2012	CRS 100%	115J10	Active
10	95743	CAT	66	25-Mar-2012	CRS 100%	115J10	Active
11	95744	CAT	67	25-Mar-2012	CRS 100%	115J10	Active
12	95745	CAT	68	25-Mar-2012	CRS 100%	115J10	Active
13	95746	CAT	69	25-Mar-2012	CRS 100%	115J10	Active
14	95747	CAT	70	25-Mar-2012	CRS 100%	115J10	Active
15	YB37242	E	23	25-Mar-2012	CRS 100%	115J15	Active
16	YB37243	E	24	25-Mar-2012	CRS 100%	115J15	Active
17	YB37244	E	25	25-Mar-2012	CRS 100%	115J15	Active
18	YB37246	E	27	25-Mar-2012	CRS 100%	115J10	Active
19	YB37247	E	28	25-Mar-2012	CRS 100%	115J10	Active
20	YB37248	E	29	25-Mar-2012	CRS 100%	115J15	Active
21	YB37249	E	30	25-Mar-2012	CRS 100%	115J15	Active

CASINO "B" MINERAL CLAIMS (55) - WHITEHORSE MINING DISTRICT

No.	Grant Number	Claim Name	Claim No.	Expiry Date	Owner	NTS Map Sheet	Status
22	YB37250	E	31	25-Mar-2012	CRS 100%	115J15	Active
23	YB37251	E	32	25-Mar-2012	CRS 100%	115J15	Active
24	YB37278	F	27	25-Mar-2012	CRS 100%	115J10	Active
25	YB37279	F	28	25-Mar-2012	CRS 100%	115J10	Active
26	YB37640	I	1	25-Mar-2012	CRS 100%	115J10	Active
27	YB37641	I	2	25-Mar-2012	CRS 100%	115J10	Active
28	YB37642	I	3	25-Mar-2012	CRS 100%	115J10	Active
29	YB37643	I	4	25-Mar-2012	CRS 100%	115J10	Active
30	YB37658	I	19	25-Mar-2012	CRS 100%	115J10	Active
31	YB37659	I	20	25-Mar-2012	CRS 100%	115J10	Active
32	Y 35194	MOUSE	3	25-Mar-2012	CRS 100%	115J10	Active
33	Y 35195	MOUSE	4	25-Mar-2012	CRS 100%	115J10	Active
34	Y 35196	MOUSE	5	25-Mar-2012	CRS 100%	115J10	Active
35	Y 35197	MOUSE	6	25-Mar-2012	CRS 100%	115J10	Active
36	Y 35198	MOUSE	7	25-Mar-2012	CRS 100%	115J10	Active
37	Y 35199	MOUSE	8	25-Mar-2012	CRS 100%	115J10	Active
38	Y 35200	MOUSE	9	25-Mar-2012	CRS 100%	115J10	Active
39	Y 35201	MOUSE	10	25-Mar-2012	CRS 100%	115J10	Active
40	Y 35202	MOUSE	11	25-Mar-2012	CRS 100%	115J10	Active
41	Y 35203	MOUSE	12	25-Mar-2012	CRS 100%	115J10	Active
42	Y 35204	MOUSE	13	25-Mar-2012	CRS 100%	115J10	Active
43	Y 35205	MOUSE	14	25-Mar-2012	CRS 100%	115J10	Active
44	Y 35206	MOUSE	15	25-Mar-2012	CRS 100%	115J10	Active
45	Y 35207	MOUSE	16	25-Mar-2012	CRS 100%	115J10	Active
46	Y 35483	MOUSE	89	25-Mar-2012	CRS 100%	115J10	Active
47	Y 35484	MOUSE	90	25-Mar-2012	CRS 100%	115J10	Active
48	Y 35491	MOUSE	97	25-Mar-2012	CRS 100%	115J10	Active
49	Y 35492	MOUSE	98	25-Mar-2012	CRS 100%	115J10	Active
50	Y 35517	MOUSE	123	25-Mar-2012	CRS 100%	115J10	Active
51	Y 35518	MOUSE	124	25-Mar-2012	CRS 100%	115J10	Active
52	Y 35519	MOUSE	125	25-Mar-2012	CRS 100%	115J10	Active
53	Y 35520	MOUSE	126	25-Mar-2012	CRS 100%	115J10	Active
54	Y 35521	MOUSE	127	25-Mar-2012	CRS 100%	115J10	Active
55	Y 35522	MOUSE	128	25-Mar-2012	CRS 100%	115J10	Active

Client: **Aurora Geosciences Ltd. (Whitehorse)**
 34A Laberge Road.
 Whitehorse YT Y1A 6J3 Canada

Submitted By: Mike Wark
Receiving Lab: Acme Analytical Laboratories (Vancouver) Ltd.
Received: August 31, 2007
Report Date: October 19, 2007
Page: 1 of 12

CERTIFICATE OF ANALYSIS

VAN07000881.1

CLIENT JOB INFORMATION

Project: Cassino: WRN-7516-YT
Shipment ID:
P.O. Number
Number of Samples: 330

SAMPLE DISPOSAL

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

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

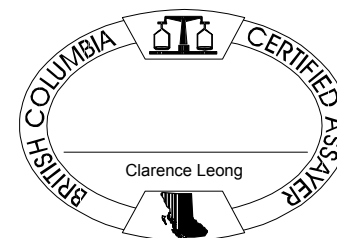
Invoice To:

CC: Dave Hildes

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
SS80	330	Dry at 60C sieve 100g to -80 mesh		
Split Reject	330	Reject sample split/packet		
1DX	330	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.

CERTIFICATE OF ANALYSIS

VAN07000881.1

	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
L0-0	Soil	0.8	18.1	11.0	67	<0.1	23.5	12.4	352	3.11	9.2	1.3	1.0	14.2	9	0.2	0.4	0.2	72	0.09
L0-50	Soil	1.1	12.2	11.4	55	<0.1	15.0	7.4	273	2.95	7.7	0.9	1.1	5.3	11	0.1	0.5	0.2	63	0.12
L0-100	Soil	1.0	17.6	13.4	72	<0.1	20.2	9.6	483	2.88	8.7	1.0	2.2	5.1	13	0.2	0.5	0.2	63	0.11
L0-150	Soil	1.0	20.8	12.5	54	<0.1	28.2	13.6	573	3.04	8.5	1.0	5.5	8.3	13	0.2	0.6	0.2	59	0.14
L0-200	Soil	0.8	12.7	9.1	61	<0.1	21.2	10.0	350	2.76	6.2	1.1	0.7	6.1	13	0.1	0.3	0.2	53	0.18
L0-250	Soil	2.0	13.5	22.5	64	0.1	17.9	8.2	330	3.58	9.7	2.3	0.9	6.3	15	0.4	0.5	0.3	68	0.17
L0-300	Soil	1.6	15.3	85.9	346	1.0	20.8	11.1	1552	2.95	7.5	4.1	1.1	13.6	16	1.2	0.9	0.3	53	0.20
L0-400	Soil	1.8	18.2	83.5	364	1.0	12.7	9.4	750	2.76	9.3	8.0	0.9	6.6	51	4.1	1.0	0.3	60	0.66
L0-450	Soil	2.7	21.5	96.5	191	<0.1	9.2	8.6	821	2.60	11.5	2.7	0.9	19.1	7	1.0	1.5	1.5	31	0.06
L0-500	Soil	1.1	15.8	27.9	107	<0.1	19.2	10.2	405	2.74	8.5	1.0	<0.5	7.4	14	0.6	0.6	0.3	54	0.15
L0-550	Soil	1.0	17.3	11.2	57	<0.1	22.8	12.1	348	3.04	9.0	0.6	10.1	6.8	12	0.5	0.4	0.2	68	0.13
L0-600	Soil	1.0	20.6	62.9	212	0.5	15.2	9.0	664	2.66	14.3	5.9	4.4	3.3	62	1.4	1.2	0.5	58	0.86
L0-650	Soil	0.9	20.2	28.6	79	0.2	19.1	9.9	397	2.88	7.4	2.5	1.2	6.8	23	0.5	0.5	0.2	70	0.22
L0-700	Soil	0.7	21.7	24.5	78	0.1	21.4	12.0	341	2.74	7.9	0.9	3.4	4.1	14	0.7	0.4	0.2	64	0.16
L0-750	Soil	1.0	22.6	62.1	100	0.3	17.1	13.2	610	3.10	10.6	1.9	31.8	9.3	19	0.3	0.7	0.4	77	0.20
L0-800	Soil	0.9	22.7	88.9	164	1.0	14.8	8.4	378	3.01	12.9	1.9	2.9	6.5	18	1.1	1.1	0.6	74	0.21
L0-850	Soil	0.8	29.0	623.4	551	1.1	12.7	11.3	1346	3.24	21.7	5.9	3.9	16.4	22	2.6	3.4	0.6	64	0.27
L0-1000	Soil	1.0	16.1	51.7	162	0.6	14.2	9.9	582	2.37	10.0	3.7	1.7	6.1	15	0.6	0.9	0.2	52	0.18
L0-1100	Soil	1.5	29.0	63.0	247	7.2	13.3	7.3	695	2.46	18.7	14.9	6.2	2.6	53	1.3	1.9	0.3	47	0.69
L0-1150	Soil	1.4	32.6	66.9	254	4.0	15.5	7.6	569	2.68	20.0	12.3	3.8	4.3	49	1.2	2.0	0.3	53	0.64
L0-1200	Soil	1.3	22.4	217.7	415	1.5	8.3	7.4	1905	2.54	15.7	6.1	2.5	21.8	18	2.2	5.7	0.2	41	0.26
L0-1250	Soil	1.3	15.9	70.2	278	0.5	15.6	12.9	892	2.95	27.2	2.6	1.5	5.0	21	1.8	0.6	0.3	63	0.25
L0-1350	Soil	1.2	12.7	48.8	161	0.4	14.3	9.0	572	2.84	26.6	5.0	3.0	8.4	28	0.5	0.6	0.2	60	0.45
L0-1400	Soil	1.9	33.9	63.4	205	1.2	22.1	11.7	1307	3.65	39.3	14.6	7.7	5.3	37	0.5	0.6	0.3	67	0.45
L0-1450	Soil	1.0	15.4	51.7	155	0.2	16.9	9.6	945	2.87	24.1	2.8	6.7	6.0	22	0.3	0.7	0.2	58	0.33
L0-1500	Soil	0.9	16.5	26.2	114	0.5	20.1	10.9	514	3.03	16.5	2.5	2.9	4.7	23	0.4	0.4	0.2	66	0.31
L0-1550	Soil	1.9	18.6	42.3	140	0.4	21.8	13.5	872	3.58	43.1	2.7	3.7	9.0	19	0.7	0.6	0.4	74	0.23
L0-1600	Soil	1.3	12.6	43.1	115	0.5	15.8	7.3	393	2.83	35.7	1.2	1.7	3.1	21	0.7	0.6	0.3	68	0.25
L0-1650	Soil	1.1	13.0	52.6	103	0.4	11.5	5.8	267	2.70	58.7	2.7	5.1	6.8	13	0.7	0.6	0.4	56	0.15
L0-1700	Soil	3.6	20.5	59.8	96	0.8	15.3	12.9	780	2.99	16.1	2.5	1.5	2.7	26	0.8	0.9	0.4	75	0.28

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L0-0	Soil	12	33	0.63	154	0.093	<20	2.38	0.009	0.08	0.1	0.02	4.5	0.2	<0.05	7
L0-50	Soil	12	26	0.48	101	0.050	<20	1.68	0.007	0.05	0.1	0.02	2.6	0.2	<0.05	6
L0-100	Soil	9	33	0.52	110	0.066	<20	2.03	0.009	0.05	0.1	0.06	3.6	0.1	<0.05	6
L0-150	Soil	10	35	0.52	155	0.065	<20	2.58	0.011	0.05	0.2	0.03	3.9	0.2	<0.05	5
L0-200	Soil	10	29	0.51	126	0.062	<20	2.06	0.009	0.04	0.1	0.05	3.1	0.2	<0.05	5
L0-250	Soil	14	30	0.47	178	0.060	<20	2.11	0.011	0.04	0.1	0.03	3.5	0.2	<0.05	7
L0-300	Soil	21	29	0.50	219	0.034	<20	1.96	0.008	0.07	0.2	0.07	3.9	0.3	<0.05	5
L0-400	Soil	29	21	0.54	303	0.079	<20	1.47	0.012	0.11	1.7	0.06	4.5	0.3	<0.05	5
L0-450	Soil	28	18	0.24	138	0.004	<20	1.82	0.008	0.07	0.5	0.05	2.4	0.7	<0.05	3
L0-500	Soil	12	27	0.50	193	0.026	<20	1.85	0.008	0.06	0.1	0.01	2.6	0.2	<0.05	5
L0-550	Soil	8	30	0.57	163	0.092	<20	2.54	0.010	0.06	0.2	0.04	3.6	0.1	<0.05	6
L0-600	Soil	28	24	0.55	342	0.067	<20	1.60	0.021	0.10	0.3	0.05	4.1	0.2	0.07	5
L0-650	Soil	29	27	0.57	359	0.074	<20	1.95	0.014	0.09	0.1	0.04	4.0	0.2	<0.05	6
L0-700	Soil	8	33	0.57	206	0.084	<20	2.27	0.012	0.06	0.1	0.04	3.6	0.2	<0.05	6
L0-750	Soil	15	32	0.63	241	0.108	<20	2.31	0.012	0.07	0.2	0.03	4.3	0.2	<0.05	7
L0-800	Soil	12	27	0.58	183	0.110	<20	2.08	0.013	0.09	0.2	0.05	3.7	0.3	<0.05	7
L0-850	Soil	32	19	0.58	442	0.125	<20	1.69	0.009	0.30	0.2	0.06	7.5	0.6	<0.05	6
L0-1000	Soil	15	28	0.50	139	0.067	<20	1.54	0.011	0.07	0.3	0.05	3.5	0.2	<0.05	5
L0-1100	Soil	41	25	0.42	429	0.023	<20	1.84	0.015	0.08	0.2	0.21	3.7	0.3	0.07	6
L0-1150	Soil	37	26	0.46	403	0.034	<20	1.75	0.012	0.08	0.2	0.13	4.3	0.3	<0.05	6
L0-1200	Soil	39	13	0.42	326	0.058	<20	1.11	0.009	0.19	0.4	0.05	4.4	0.6	<0.05	4
L0-1250	Soil	12	32	0.50	207	0.057	<20	1.96	0.011	0.09	0.1	0.03	3.4	0.2	<0.05	7
L0-1350	Soil	17	30	0.52	267	0.069	<20	1.69	0.011	0.07	0.1	0.04	4.8	0.2	<0.05	5
L0-1400	Soil	33	39	0.49	460	0.029	<20	2.85	0.013	0.10	0.1	0.13	7.4	0.4	<0.05	7
L0-1450	Soil	15	30	0.54	252	0.072	<20	1.73	0.011	0.07	0.1	0.03	3.9	0.2	<0.05	5
L0-1500	Soil	13	35	0.63	256	0.083	<20	2.35	0.012	0.07	0.1	0.04	4.7	0.3	<0.05	7
L0-1550	Soil	14	35	0.55	272	0.069	<20	2.56	0.010	0.07	0.3	0.05	4.8	0.3	<0.05	7
L0-1600	Soil	9	29	0.51	199	0.068	<20	1.76	0.009	0.04	0.1	0.03	3.1	0.2	<0.05	7
L0-1650	Soil	10	30	0.44	129	0.076	<20	1.91	0.013	0.07	0.1	0.08	3.7	0.3	<0.05	7
L0-1700	Soil	11	32	0.45	463	0.066	<20	1.93	0.009	0.06	<0.1	0.05	3.4	0.3	<0.05	9

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
L0-1750	Soil	1.4	16.3	60.6	122	0.5	15.9	9.0	829	2.65	17.9	1.7	2.8	2.5	22	0.5	1.0	0.3	54	0.27
L0-1800	Soil	9.2	29.5	153.7	249	0.4	14.0	12.1	464	4.23	34.1	12.6	1.7	10.7	37	1.6	3.1	0.8	72	0.53
L0-1850	Soil	1.2	27.5	27.1	137	0.3	19.0	9.5	859	3.40	31.9	5.4	3.9	14.2	39	0.2	0.8	0.3	72	0.54
L0-1900	Soil	2.2	27.2	34.7	183	0.3	20.4	13.6	978	3.44	21.0	15.0	3.1	13.9	37	0.8	0.7	0.3	75	0.52
L0-2000	Soil	1.1	12.3	223.0	187	1.0	11.6	8.0	753	2.81	490.2	2.1	70.9	5.7	20	0.8	1.7	2.0	60	0.25
L0-2050	Soil	1.3	19.0	32.9	113	0.2	19.4	12.4	731	3.05	34.0	2.5	2.9	4.5	22	0.4	0.7	0.3	69	0.28
L0-2100	Soil	0.8	13.3	45.6	126	0.3	15.4	9.0	545	2.75	24.4	2.2	1.9	8.7	22	0.4	0.6	0.2	62	0.36
L0-2200	Soil	0.8	19.3	69.2	209	0.4	17.5	8.3	553	2.53	34.7	3.4	4.4	5.8	21	0.6	0.6	0.3	59	0.29
L0-2250	Soil	1.4	17.7	81.9	209	0.9	16.0	9.5	1083	2.97	236.4	4.8	4.3	8.0	17	0.8	1.6	1.2	58	0.22
L0E-2300N	Soil	1.3	24.5	24.4	95	0.3	19.6	9.9	445	2.95	10.9	4.5	1.6	8.7	27	0.3	0.5	0.2	68	0.43
L0E-2350N	Soil	1.2	15.5	20.6	96	0.1	18.0	13.1	694	3.15	11.1	1.8	2.4	9.4	20	0.4	0.4	0.2	70	0.31
L0N-2400E	Soil	1.2	13.3	21.1	89	0.2	16.2	10.1	406	3.17	11.9	2.4	3.0	6.5	21	0.2	0.4	0.2	73	0.34
L0-2450	Soil	0.7	15.0	23.8	77	0.2	14.7	6.3	342	1.76	4.1	2.7	0.7	2.1	31	0.4	0.3	0.2	48	0.51
L0N-2550E	Soil	1.4	11.9	88.4	194	0.7	14.4	13.6	2506	2.73	11.8	2.8	0.9	3.6	34	0.6	0.6	0.2	55	0.55
L0N-2600E	Soil	1.0	15.9	47.7	239	0.5	15.5	10.8	671	2.87	13.1	4.6	3.2	4.9	30	1.5	0.8	0.2	65	0.47
L0N-2650E	Soil	1.2	16.1	35.5	174	0.2	19.1	13.5	610	3.56	17.3	2.8	2.2	8.2	27	0.7	0.6	0.2	76	0.42
L0N-2700E	Soil	1.2	13.7	20.1	110	0.2	18.1	10.6	849	2.96	10.5	2.0	0.9	5.4	26	0.4	0.4	0.2	69	0.39
L0N-2800E	Soil	1.5	13.0	12.6	86	<0.1	18.2	14.1	739	3.12	10.0	1.0	<0.5	5.7	21	0.2	0.4	0.3	78	0.31
L0N-2850E	Soil	1.1	12.9	12.8	88	0.3	17.6	10.1	708	2.48	5.2	2.9	1.5	5.0	30	0.4	0.4	0.3	61	0.48
L0N-2900E	Soil	1.7	15.9	12.9	79	0.2	13.0	10.6	1538	2.34	6.2	3.9	0.8	1.8	37	0.6	0.5	0.2	53	0.47
L0N-2950E	Soil	2.7	45.1	44.5	126	0.8	20.0	13.2	1452	3.43	15.3	7.5	1.9	6.3	44	0.7	1.1	1.0	79	0.58
L50N-000E	Soil	1.6	10.8	13.8	51	<0.1	13.4	8.4	422	2.89	8.0	0.7	0.6	5.3	11	0.2	0.3	0.3	68	0.10
L50N-050E	Soil	1.6	10.3	23.2	60	0.1	13.0	6.1	295	3.37	9.2	0.7	1.3	3.7	14	0.2	0.4	0.2	80	0.15
L50N-100E	Soil	1.1	10.6	12.2	47	<0.1	11.1	6.0	381	2.35	6.8	0.4	<0.5	0.3	10	0.3	0.4	0.2	67	0.10
L50N-150E	Soil	1.2	11.3	14.6	65	<0.1	19.1	11.2	579	4.18	9.5	0.5	<0.5	4.3	13	0.3	0.5	0.2	74	0.13
L50N-200E	Soil	1.5	7.2	12.3	40	<0.1	9.8	4.4	175	2.90	8.4	0.6	<0.5	5.1	9	0.1	0.4	0.4	76	0.09
L50N-300E	Soil	4.0	11.9	153.8	218	0.2	10.9	8.4	1620	3.02	5.6	3.0	0.6	12.5	36	0.6	0.7	0.5	50	0.50
L50N-350E	Soil	1.5	16.1	44.4	231	0.4	15.4	11.6	881	3.23	16.5	8.5	1.5	7.5	60	1.9	0.8	0.4	70	0.87
L50N-400E	Soil	2.1	18.0	44.8	214	0.7	15.6	8.3	575	2.69	8.8	8.1	6.2	5.3	69	2.0	0.7	0.3	58	0.93
L50N-450E	Soil	1.6	17.6	35.1	101	0.1	19.4	15.0	1005	3.32	11.8	0.5	<0.5	4.5	11	0.5	0.5	0.3	74	0.11

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L0-1750	Soil	15	27	0.50	284	0.036	<20	1.68	0.008	0.06	0.3	0.04	3.4	0.2	<0.05	5
L0-1800	Soil	22	26	0.48	374	0.036	<20	1.82	0.013	0.10	<0.1	0.07	5.7	0.9	<0.05	7
L0-1850	Soil	27	35	0.67	494	0.079	<20	1.98	0.017	0.13	<0.1	0.05	8.8	0.3	<0.05	6
L0-1900	Soil	27	37	0.69	339	0.117	<20	2.16	0.017	0.09	<0.1	0.04	8.2	0.4	<0.05	7
L0-2000	Soil	9	23	0.45	148	0.079	<20	1.16	0.010	0.12	0.2	0.03	2.5	0.1	0.09	6
L0-2050	Soil	12	33	0.56	164	0.076	<20	1.87	0.011	0.06	<0.1	0.03	3.6	0.1	<0.05	7
L0-2100	Soil	14	28	0.62	208	0.085	<20	1.67	0.016	0.09	<0.1	0.04	4.5	0.3	<0.05	5
L0-2200	Soil	18	30	0.61	294	0.078	<20	1.88	0.012	0.07	<0.1	0.06	5.4	0.2	<0.05	6
L0-2250	Soil	13	30	0.51	158	0.057	<20	1.57	0.011	0.09	<0.1	0.04	3.5	0.2	<0.05	6
L0E-2300N	Soil	24	35	0.64	303	0.110	<20	1.80	0.018	0.10	0.1	0.05	7.6	0.3	<0.05	6
L0E-2350N	Soil	14	31	0.65	212	0.102	<20	1.97	0.010	0.09	0.1	0.03	4.9	0.3	<0.05	5
L0N-2400E	Soil	17	30	0.64	237	0.088	<20	2.04	0.010	0.06	0.1	0.06	5.1	0.2	<0.05	6
L0-2450	Soil	18	28	0.51	311	0.043	<20	1.49	0.017	0.05	0.1	0.04	3.0	0.2	<0.05	6
L0N-2550E	Soil	14	28	0.52	362	0.047	<20	1.53	0.013	0.06	0.1	0.08	4.5	0.3	<0.05	5
L0N-2600E	Soil	20	27	0.57	257	0.074	<20	1.59	0.015	0.07	0.2	0.06	5.0	0.2	<0.05	5
L0N-2650E	Soil	19	33	0.66	257	0.093	<20	1.91	0.017	0.08	0.2	0.05	6.1	0.2	<0.05	6
L0N-2700E	Soil	12	31	0.62	212	0.089	<20	1.85	0.019	0.07	0.2	0.04	5.0	0.2	<0.05	6
L0N-2800E	Soil	12	30	0.66	198	0.127	<20	1.68	0.013	0.11	0.2	0.01	3.6	0.2	<0.05	6
L0N-2850E	Soil	19	29	0.62	283	0.093	<20	1.85	0.022	0.08	0.7	0.04	5.3	0.2	<0.05	6
L0N-2900E	Soil	24	21	0.43	337	0.047	<20	1.18	0.023	0.05	0.1	0.04	3.5	0.1	<0.05	5
L0N-2950E	Soil	44	32	0.61	531	0.065	<20	2.07	0.022	0.12	0.2	0.06	6.3	0.2	<0.05	7
L50N-000E	Soil	11	27	0.41	100	0.033	<20	1.78	0.007	0.05	0.1	0.02	2.7	0.2	<0.05	7
L50N-050E	Soil	12	26	0.37	141	0.034	<20	1.81	0.006	0.05	0.1	0.01	2.4	0.2	<0.05	8
L50N-100E	Soil	8	22	0.36	98	0.057	<20	1.24	0.008	0.04	<0.1	<0.01	1.4	0.2	<0.05	7
L50N-150E	Soil	11	36	0.50	121	0.056	<20	2.36	0.010	0.05	0.1	0.02	3.3	0.2	<0.05	8
L50N-200E	Soil	15	21	0.29	60	0.058	<20	1.42	0.010	0.05	0.1	0.02	2.5	0.2	<0.05	9
L50N-300E	Soil	34	20	0.33	279	0.010	<20	1.47	0.016	0.11	0.2	0.02	3.3	0.4	<0.05	6
L50N-350E	Soil	28	22	0.66	378	0.107	<20	1.68	0.019	0.15	0.8	0.04	5.3	0.3	<0.05	6
L50N-400E	Soil	29	24	0.58	346	0.063	<20	1.72	0.021	0.11	0.2	0.05	4.6	0.2	<0.05	6
L50N-450E	Soil	9	32	0.57	166	0.077	<20	2.35	0.013	0.05	0.1	0.02	3.7	0.2	<0.05	7

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	Method	Analyte	Unit	MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX		
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L50N-500E	Soil		1.4	16.1	22.3	131	0.1	19.0	9.7	417	3.11	10.0	1.4	<0.5	8.3	19	1.1	0.6	0.2	62	0.23	0.035		
L50N-550E	Soil		1.6	10.7	23.8	109	<0.1	15.0	13.9	979	3.97	12.4	0.7	<0.5	4.6	12	0.5	0.6	0.2	75	0.13	0.044		
L50N-600E	Soil		0.9	15.6	43.5	184	0.5	13.3	8.6	523	2.58	13.6	5.4	1.6	3.8	61	1.1	0.7	0.3	56	0.81	0.052		
L50N-650E	Soil		1.0	17.6	72.7	173	0.5	14.2	7.6	426	2.92	14.8	2.9	2.4	5.9	35	0.9	1.0	0.7	65	0.44	0.044		
L50N-800E	Soil		0.9	24.6	112.3	183	1.1	15.0	9.8	628	3.19	15.1	2.7	4.6	6.7	16	1.7	1.2	0.7	72	0.18	0.045		
L50N-850E	Soil		1.1	14.4	80.5	139	0.5	12.3	9.1	905	2.77	13.7	0.9	1.1	3.1	15	1.1	1.1	0.7	72	0.16	0.029		
L50N-900E	Soil		1.4	30.4	211.5	301	0.5	9.4	11.4	1569	4.42	40.4	1.4	<0.5	9.5	8	1.1	4.1	0.4	91	0.11	0.057		
L50N-950E	Soil		1.2	334.0	3174	1094	6.5	5.0	10.4	4555	3.23	64.3	5.8	33.2	13.3	21	7.3	41.9	1.7	40	0.23	0.063		
L50N-1050E	Soil		1.6	21.1	57.4	190	1.8	16.2	7.4	589	2.80	14.1	6.1	5.0	2.6	29	1.5	1.3	0.3	55	0.35	0.089		
L50N-1200E	Soil		2.0	26.8	43.5	137	3.3	13.4	4.5	332	2.29	12.5	9.7	7.1	7.1	15	1.5	0.9	0.2	55	0.11	0.040		
L50N-1250E	Soil		2.1	12.5	48.8	117	0.6	12.6	7.4	457	3.20	13.8	0.7	<0.5	2.2	11	0.9	0.8	0.2	74	0.11	0.028		
L50N-1350E	Soil		3.2	28.3	153.1	210	0.7	14.3	9.0	1083	2.69	35.5	4.3	42.2	7.8	24	1.1	2.0	0.3	51	0.36	0.065		
L50N-1500E	Soil		1.4	15.5	37.1	130	0.4	17.3	8.1	427	2.65	11.1	3.0	1.2	7.2	23	0.5	0.6	0.5	62	0.35	0.058		
L50N-1550E	Soil		1.9	15.6	33.2	127	0.2	18.0	8.6	427	2.79	16.3	3.4	1.8	7.8	27	0.5	0.6	0.3	65	0.38	0.057		
L50N-1600E	Soil		1.4	22.5	51.3	256	0.3	20.0	7.8	676	2.68	88.7	4.1	4.6	10.1	25	1.5	1.3	0.4	59	0.39	0.064		
L50N-1650E	Soil		0.9	21.3	34.4	108	0.2	20.7	8.3	497	2.89	14.1	2.4	4.4	7.0	21	0.3	0.7	0.2	67	0.27	0.055		
L50N-1750E	Soil		1.0	19.7	74.7	203	2.4	20.5	7.8	441	2.87	13.8	7.2	3.1	8.4	29	0.3	1.7	0.5	66	0.39	0.052		
L50N-1800E	Soil		1.3	9.1	21.8	49	0.3	11.8	5.0	187	2.29	10.3	0.8	11.8	1.9	14	0.3	0.5	0.2	59	0.12	0.029		
L50N-1850E	Soil		2.0	13.3	18.4	52	0.1	13.8	6.3	343	2.71	14.8	1.4	0.6	3.1	19	0.3	0.4	0.3	59	0.17	0.039		
L50N-1900E	Soil		1.8	17.4	45.6	141	0.5	20.1	9.9	338	2.70	22.7	3.7	3.6	5.8	21	0.5	0.7	0.3	67	0.27	0.052		
L50N-1950E	Soil		0.6	18.4	33.9	143	0.3	18.3	10.1	357	2.85	46.1	3.3	11.6	7.3	23	0.4	0.6	0.4	68	0.35	0.053		
L50N-2000E	Soil		0.8	16.2	39.3	124	0.2	20.7	11.9	491	2.84	35.1	2.5	1.8	7.0	20	0.5	0.6	0.2	71	0.32	0.059		
L50N-2050E	Soil		0.6	26.7	30.4	176	0.5	22.1	11.0	393	2.83	88.8	5.9	12.7	8.1	27	1.5	0.7	0.4	63	0.38	0.057		
L50N-2100E	Soil		0.7	18.3	24.0	106	0.1	20.4	10.9	458	2.95	17.1	2.4	1.8	6.4	22	0.2	0.4	0.2	64	0.32	0.056		
L50N-2150E	Soil		1.0	11.4	17.0	97	<0.1	14.5	8.4	399	2.88	20.4	1.1	0.5	3.8	23	0.2	0.3	0.2	74	0.34	0.050		
L50N-2200E	Soil		1.3	10.0	62.8	162	0.3	14.4	7.5	568	2.95	47.5	1.2	1.3	4.2	20	0.5	0.7	0.3	80	0.24	0.025		
L50N-2250E	Soil		0.8	12.9	15.5	75	0.2	14.1	7.3	297	2.71	7.8	1.4	1.4	4.4	19	0.4	0.3	0.2	69	0.25	0.039		
L50N-2300E	Soil		0.9	14.5	43.2	102	0.3	18.5	12.5	950	3.31	9.8	3.1	0.9	9.0	24	0.3	0.4	0.3	75	0.35	0.053		
L50N-2350E	Soil		2.1	12.0	22.0	132	0.3	12.9	8.6	439	3.28	12.3	1.7	0.6	8.8	25	0.6	0.6	0.4	81	0.37	0.058		
L50N-2400E	Soil		1.1	12.1	35.1	121	0.2	16.4	15.7	2706	3.41	12.9	1.7	1.3	7.5	24	0.6	0.5	0.2	72	0.37	0.063		

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L50N-500E	Soil	17	26	0.53	174	0.067	<20	2.01	0.014	0.12	0.3	0.03	3.9	0.3	<0.05	6
L50N-550E	Soil	10	28	0.44	103	0.060	<20	2.05	0.008	0.06	0.1	0.02	2.9	0.2	<0.05	8
L50N-600E	Soil	31	22	0.57	268	0.056	<20	1.57	0.012	0.10	0.2	0.06	4.7	0.2	<0.05	5
L50N-650E	Soil	20	25	0.61	327	0.087	<20	1.93	0.018	0.09	0.3	0.04	4.8	0.3	<0.05	7
L50N-800E	Soil	17	28	0.61	231	0.093	<20	2.29	0.015	0.09	0.2	0.05	5.3	0.3	<0.05	7
L50N-850E	Soil	10	23	0.53	162	0.106	<20	1.78	0.012	0.07	0.3	0.03	3.5	0.2	<0.05	8
L50N-900E	Soil	12	16	0.61	182	0.143	<20	1.98	0.013	0.27	0.3	0.02	5.0	0.6	<0.05	10
L50N-950E	Soil	21	7	0.39	766	0.041	<20	0.91	0.012	0.21	0.4	0.06	5.3	0.4	<0.05	3
L50N-1050E	Soil	17	35	0.53	344	0.038	<20	2.00	0.015	0.09	0.4	0.14	4.6	0.2	<0.05	7
L50N-1200E	Soil	37	22	0.26	242	0.026	<20	1.65	0.014	0.11	0.4	0.12	3.7	0.2	<0.05	7
L50N-1250E	Soil	7	22	0.28	90	0.050	<20	1.36	0.011	0.07	0.1	0.03	2.2	0.2	<0.05	8
L50N-1350E	Soil	18	25	0.51	300	0.069	<20	1.37	0.015	0.12	0.4	0.02	4.4	0.3	<0.05	5
L50N-1500E	Soil	12	35	0.57	238	0.096	<20	1.73	0.011	0.07	0.2	0.03	4.3	0.2	<0.05	6
L50N-1550E	Soil	13	35	0.56	252	0.101	<20	1.69	0.013	0.08	0.1	0.05	5.1	0.2	<0.05	5
L50N-1600E	Soil	18	34	0.52	239	0.091	<20	1.39	0.016	0.12	0.2	0.03	6.0	0.3	<0.05	4
L50N-1650E	Soil	17	42	0.57	271	0.098	<20	1.93	0.015	0.07	0.1	0.03	5.9	0.2	<0.05	6
L50N-1750E	Soil	21	41	0.60	581	0.085	<20	2.08	0.013	0.08	0.1	0.10	7.8	0.3	<0.05	6
L50N-1800E	Soil	7	24	0.32	103	0.058	<20	1.37	0.015	0.04	0.1	0.05	2.3	<0.1	<0.05	7
L50N-1850E	Soil	9	27	0.30	183	0.031	<20	1.69	0.014	0.04	<0.1	0.04	3.1	0.2	<0.05	7
L50N-1900E	Soil	15	38	0.55	235	0.072	<20	2.20	0.015	0.06	<0.1	0.05	5.9	0.2	<0.05	7
L50N-1950E	Soil	16	34	0.59	204	0.091	<20	1.98	0.015	0.06	0.1	0.04	5.4	0.2	<0.05	6
L50N-2000E	Soil	14	33	0.61	286	0.078	<20	2.03	0.013	0.06	0.1	0.04	4.9	0.2	<0.05	6
L50N-2050E	Soil	21	35	0.63	272	0.103	<20	1.92	0.014	0.08	<0.1	0.05	7.7	0.2	<0.05	6
L50N-2100E	Soil	16	31	0.63	217	0.082	<20	1.96	0.011	0.06	<0.1	0.03	5.4	0.2	<0.05	6
L50N-2150E	Soil	10	27	0.60	219	0.108	<20	1.70	0.012	0.06	0.2	0.02	3.2	0.1	<0.05	7
L50N-2200E	Soil	10	26	0.51	188	0.096	<20	1.47	0.009	0.06	0.1	0.02	3.0	0.2	<0.05	8
L50N-2250E	Soil	12	24	0.53	169	0.091	<20	1.68	0.013	0.06	0.1	0.05	3.3	0.2	<0.05	7
L50N-2300E	Soil	16	33	0.62	281	0.082	<20	2.30	0.011	0.07	<0.1	0.04	6.1	0.3	<0.05	7
L50N-2350E	Soil	15	25	0.62	246	0.110	<20	1.68	0.013	0.13	0.2	0.03	5.0	0.3	<0.05	7
L50N-2400E	Soil	13	29	0.65	313	0.070	<20	2.13	0.011	0.07	0.1	0.04	4.1	0.2	<0.05	7

Client: **Aurora Geosciences Ltd. (Whitehorse)**

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Project: Cassino: WRN-7516-YT

Report Date: October 19, 2007

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Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L50N-2450E	Soil			1.2	15.3	24.6	112	0.2	15.5	12.4	979	3.34	9.6	2.8	1.2	7.0	27	0.4	0.5	0.3	80	0.42	0.077
L50N-2500E	Soil			1.0	10.7	17.0	94	<0.1	12.7	15.6	1014	3.50	11.8	1.7	<0.5	7.1	26	0.3	0.5	0.2	70	0.44	0.070
L50N-2550E	Soil			0.6	14.5	13.8	69	0.2	16.0	11.5	489	3.53	13.3	2.3	1.6	6.6	20	0.2	0.4	0.2	74	0.31	0.059
L50N-2600E	Soil			0.6	15.8	23.7	117	0.2	18.5	9.7	263	3.25	8.8	3.5	2.2	10.2	22	0.4	0.5	0.2	79	0.34	0.049
L50N-2650E	Soil			0.6	12.9	88.9	122	0.2	17.2	9.6	360	2.59	7.4	2.5	1.0	9.8	24	0.4	0.5	0.2	72	0.43	0.067
L50N-2700E	Soil			0.4	10.0	46.7	84	<0.1	15.6	8.3	320	2.35	4.8	1.6	<0.5	6.8	22	0.3	0.3	0.2	70	0.38	0.062
L50N-2750E	Soil			1.5	14.4	21.9	80	0.2	15.5	11.0	469	3.14	10.7	2.6	0.6	6.9	28	0.3	0.4	0.4	81	0.41	0.057
L50N-2850E	Soil			0.7	11.8	15.1	78	<0.1	14.7	12.4	955	2.53	4.7	3.3	2.6	8.2	25	0.3	0.3	0.3	65	0.43	0.058
L50N-2900E	Soil			0.5	11.8	12.9	83	0.1	15.5	8.6	279	2.36	4.7	2.6	0.8	6.7	24	0.3	0.3	0.3	58	0.38	0.057
L50N-2950E	Soil			0.5	16.1	12.4	81	0.2	13.9	8.2	328	2.25	6.8	2.4	2.7	4.9	24	0.3	0.3	0.4	62	0.38	0.061
L100N-S0E	Soil			2.0	16.0	17.8	76	<0.1	13.1	7.6	515	3.42	8.3	1.7	<0.5	11.0	9	0.6	0.3	0.2	81	0.07	0.030
L100N-S50E	Soil			1.9	11.9	13.0	39	<0.1	12.0	5.7	213	2.61	7.2	0.6	<0.5	2.7	9	0.2	0.3	0.4	75	0.09	0.035
L100N-S100E	Soil			1.3	13.5	15.8	57	<0.1	17.8	9.2	417	4.16	10.3	1.4	0.8	8.2	15	0.1	0.5	0.5	75	0.18	0.033
L100N-S150E	Soil			1.5	11.3	14.0	43	<0.1	9.9	6.3	314	3.82	8.5	0.5	<0.5	4.1	10	0.2	0.3	0.3	85	0.09	0.030
L100N-S300E	Soil			1.2	15.2	36.7	206	0.4	13.5	10.0	688	2.75	10.8	8.3	<0.5	6.8	59	1.8	0.6	0.3	63	0.81	0.060
L100N-S450E	Soil			1.7	15.0	38.1	149	0.2	15.7	11.4	546	3.39	12.8	1.7	2.9	8.0	23	0.8	0.5	0.3	79	0.26	0.024
L100N-S550E	Soil			1.4	12.6	11.8	150	0.2	19.5	9.4	516	3.06	9.5	0.7	<0.5	4.1	12	1.1	0.5	0.2	64	0.10	0.039
L100N-S700E	Soil			1.0	26.7	98.2	182	1.1	15.6	9.8	883	2.75	13.6	6.3	2.6	5.9	29	0.8	1.0	0.7	67	0.34	0.058
L100N-S750E	Soil			1.0	14.3	60.6	107	0.3	12.3	7.0	376	3.21	13.7	0.6	0.7	2.1	10	0.8	0.8	0.6	78	0.09	0.029
L100N-S800E	Soil			0.9	12.8	89.4	144	0.3	11.2	8.2	478	2.47	16.9	1.0	1.6	3.0	27	1.1	1.2	0.8	71	0.35	0.029
L100N-S850E	Soil			0.9	43.1	188.6	145	1.4	12.6	10.1	848	2.45	13.1	7.5	3.5	2.4	30	1.7	1.3	0.7	58	0.26	0.052
L100N-S900E	Soil			0.8	39.4	528.3	303	1.0	12.0	13.4	1104	3.50	30.0	3.0	2.7	11.0	13	1.7	3.8	0.4	77	0.24	0.086
L100N-S950E	Soil			0.8	24.7	274.7	210	4.4	10.8	6.5	440	2.68	19.1	6.9	5.5	3.3	38	0.9	3.6	0.7	57	0.45	0.052
L100N-S1050E	Soil			1.0	28.5	297.8	338	2.6	12.8	8.7	954	2.54	24.4	7.1	5.1	3.6	66	2.3	3.4	1.0	54	0.74	0.071
L100N-S1100E	Soil			1.2	20.0	150.5	266	2.3	15.0	9.9	904	2.82	22.2	8.5	5.1	5.1	49	1.7	1.3	0.5	61	0.53	0.066
L100N-S1250E	Soil			1.1	14.2	108.0	244	0.9	10.1	8.2	650	2.88	36.0	6.7	3.8	9.3	30	2.0	1.5	0.3	69	0.44	0.058
L100N-S1350E	Soil			1.1	16.5	56.8	140	0.3	15.9	8.3	475	2.97	20.7	2.6	3.6	4.1	21	0.7	0.5	0.3	64	0.27	0.044
L100N-S1400E	Soil			1.7	24.6	61.9	175	1.9	17.9	9.9	1726	2.69	32.0	10.5	8.6	2.1	68	1.1	0.8	0.3	57	0.92	0.120
L100N-S1450E	Soil			1.2	14.4	51.8	116	0.1	16.7	10.0	729	2.47	15.7	2.3	2.7	2.7	31	0.2	0.5	0.2	59	0.46	0.065
L100N-S1500E	Soil			2.6	25.3	31.4	92	0.7	15.5	10.3	3379	1.97	13.8	11.6	3.1	0.9	102	1.3	0.9	0.2	36	1.52	0.157

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L50N-2450E	Soil	16	26	0.68	329	0.115	<20	1.91	0.015	0.09	<0.1	0.03	4.9	0.2	<0.05	7
L50N-2500E	Soil	13	24	0.60	298	0.077	<20	1.64	0.013	0.08	0.1	0.02	4.3	0.2	<0.05	6
L50N-2550E	Soil	13	29	0.58	198	0.082	<20	1.83	0.012	0.07	0.3	0.02	4.4	0.2	<0.05	6
L50N-2600E	Soil	16	33	0.69	213	0.128	<20	2.03	0.013	0.09	0.2	0.04	5.7	0.2	<0.05	7
L50N-2650E	Soil	15	30	0.69	253	0.134	<20	1.96	0.014	0.10	0.1	0.03	4.9	0.2	<0.05	6
L50N-2700E	Soil	13	27	0.67	210	0.117	<20	1.84	0.014	0.07	0.2	0.02	3.9	0.2	<0.05	7
L50N-2750E	Soil	19	26	0.57	278	0.082	<20	1.78	0.016	0.07	0.2	0.03	4.1	0.2	<0.05	7
L50N-2850E	Soil	18	27	0.67	260	0.133	<20	1.81	0.017	0.09	0.1	0.03	4.4	0.2	<0.05	6
L50N-2900E	Soil	12	28	0.67	222	0.135	<20	1.94	0.014	0.08	0.2	0.04	3.8	0.2	<0.05	7
L50N-2950E	Soil	10	26	0.62	193	0.106	<20	1.70	0.011	0.08	0.3	0.04	3.2	0.1	<0.05	6
L100N-S0E	Soil	16	25	0.33	108	0.027	<20	1.79	0.006	0.05	0.1	0.02	3.2	0.2	<0.05	8
L100N-S50E	Soil	10	23	0.29	95	0.031	<20	1.68	0.008	0.04	<0.1	0.01	2.1	0.1	<0.05	8
L100N-S100E	Soil	13	35	0.49	172	0.043	<20	2.07	0.007	0.06	0.2	0.02	3.3	0.2	<0.05	7
L100N-S150E	Soil	12	25	0.31	91	0.041	<20	1.59	0.009	0.04	<0.1	0.01	2.2	0.2	<0.05	9
L100N-S300E	Soil	23	21	0.60	327	0.099	<20	1.52	0.018	0.13	0.2	0.05	4.9	0.2	<0.05	5
L100N-S450E	Soil	15	31	0.52	173	0.056	<20	1.96	0.012	0.06	0.1	0.01	3.4	0.2	<0.05	7
L100N-S550E	Soil	11	30	0.49	185	0.045	<20	2.36	0.011	0.05	0.1	0.04	2.7	0.1	<0.05	6
L100N-S700E	Soil	35	26	0.54	376	0.075	<20	1.94	0.017	0.10	0.4	0.06	5.4	0.2	<0.05	6
L100N-S750E	Soil	5	22	0.49	118	0.085	<20	1.68	0.012	0.07	0.2	0.02	2.2	0.1	<0.05	7
L100N-S800E	Soil	7	20	0.59	154	0.099	<20	1.49	0.015	0.07	0.2	0.02	2.4	0.2	<0.05	6
L100N-S850E	Soil	29	22	0.47	290	0.060	<20	1.85	0.018	0.07	0.2	0.06	4.1	0.1	<0.05	5
L100N-S900E	Soil	17	19	0.71	360	0.155	<20	2.10	0.013	0.37	0.3	0.04	4.5	0.5	<0.05	7
L100N-S950E	Soil	32	20	0.51	617	0.039	<20	1.54	0.016	0.11	0.3	0.09	5.0	0.2	0.05	5
L100N-S1050E	Soil	23	21	0.51	669	0.060	<20	1.59	0.025	0.15	0.4	0.09	4.2	0.3	0.06	5
L100N-S1100E	Soil	26	27	0.53	603	0.052	<20	1.92	0.021	0.13	0.5	0.10	4.7	0.3	<0.05	6
L100N-S1250E	Soil	27	20	0.51	321	0.069	<20	1.47	0.029	0.22	1.9	0.06	4.0	0.5	<0.05	5
L100N-S1350E	Soil	12	30	0.52	199	0.043	<20	1.92	0.011	0.06	0.2	0.03	3.3	0.1	<0.05	6
L100N-S1400E	Soil	40	31	0.48	562	0.029	<20	1.91	0.018	0.08	0.2	0.13	3.8	0.2	0.11	5
L100N-S1450E	Soil	9	29	0.59	310	0.061	<20	1.60	0.011	0.07	0.2	0.02	2.9	0.2	<0.05	5
L100N-S1500E	Soil	26	21	0.36	582	0.022	<20	1.15	0.025	0.04	0.1	0.11	1.4	0.2	0.18	3

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Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L100N-S1550E	Soil			4.1	21.1	47.2	212	0.6	16.6	12.2	3705	2.49	20.4	6.7	43.7	1.4	93	4.0	0.7	0.4	57	1.32	0.116
L100N-S1600E	Soil			9.1	15.2	64.2	125	0.3	16.5	9.4	430	3.03	31.2	3.7	6.7	7.8	24	0.4	0.8	0.4	75	0.37	0.066
L100N-S1650E	Soil			8.6	22.0	66.8	224	2.0	17.3	19.3	7226	2.70	14.2	16.7	3.6	1.9	79	4.3	1.6	0.2	50	1.00	0.164
L100N-S1700E	Soil			1.6	14.9	48.8	122	0.5	15.7	10.1	1074	2.55	14.9	2.6	1.2	1.6	27	0.9	0.7	0.6	65	0.27	0.049
L100N-S1750E	Soil			1.1	17.5	82.9	113	0.8	17.6	9.6	716	2.82	17.3	2.6	1.4	1.5	21	0.5	1.0	0.3	60	0.22	0.067
L100N-S1800E	Soil			1.9	16.5	132.4	138	1.6	16.1	10.4	948	3.24	41.9	1.8	2.9	3.7	13	0.7	1.4	0.7	61	0.14	0.056
L100N-S1850E	Soil			1.4	11.9	34.5	71	0.2	13.1	6.9	326	2.37	11.7	0.9	2.4	1.9	16	0.4	0.4	0.2	57	0.16	0.033
L100N-S1900E	Soil			0.9	10.3	29.1	81	0.5	11.7	5.5	380	1.95	10.7	1.1	1.5	3.4	18	0.4	0.5	0.2	54	0.23	0.036
L100N-S1950E	Soil			0.6	19.3	128.1	261	0.8	18.4	8.6	475	2.79	141.2	2.3	13.4	6.6	22	1.1	1.4	0.5	56	0.32	0.060
L100N-S2000E	Soil			0.6	19.0	24.2	82	<0.1	20.8	10.5	505	2.93	15.8	4.1	6.2	10.1	22	0.2	0.6	0.2	67	0.32	0.064
L100N-S2050E	Soil			1.5	12.9	21.0	50	0.4	8.4	5.0	221	1.52	23.5	2.3	2.3	0.4	18	1.1	0.4	0.2	41	0.17	0.067
L100N-S2100E	Soil			0.5	16.9	24.6	104	0.1	18.9	11.6	319	2.91	32.2	2.4	2.3	8.8	23	0.3	0.5	0.2	72	0.36	0.071
L100N-2150E	Soil			1.0	17.1	25.8	115	0.2	19.1	13.4	863	3.12	13.7	2.8	2.6	4.9	23	0.5	0.4	0.2	75	0.33	0.065
L100N-2200E	Soil			0.7	18.8	231.6	365	1.0	16.3	10.0	384	3.03	14.2	6.3	2.1	10.2	19	1.7	1.3	0.2	74	0.29	0.054
L100N-2300E	Soil			0.5	13.1	58.0	122	0.2	16.0	11.0	774	2.69	9.8	3.4	1.8	8.4	22	0.3	0.9	0.3	74	0.35	0.060
L100N-2350E	Soil			0.7	8.3	69.8	137	0.2	13.4	8.8	434	2.82	12.2	2.1	1.9	5.3	22	0.4	0.7	0.2	70	0.37	0.071
L100N-2400E	Soil			0.4	12.8	30.5	87	0.2	12.8	4.5	193	1.68	2.6	2.8	2.2	1.9	25	0.5	0.3	0.2	37	0.36	0.064
L100N-2450E	Soil			4.3	18.1	59.0	137	0.5	17.3	31.1	>10000	3.49	16.5	5.5	1.7	2.6	38	3.3	0.8	0.2	84	0.50	0.151
L100N-2500E	Soil			1.2	9.3	36.0	112	0.2	14.1	12.5	1547	2.92	11.3	1.7	1.2	3.6	26	0.4	0.5	0.2	75	0.41	0.080
L100N-2550E	Soil			1.3	12.3	22.4	102	0.2	14.2	13.6	1744	3.24	8.8	3.0	1.1	3.8	28	0.4	0.4	0.2	74	0.45	0.100
L100N-2600E	Soil			0.9	19.7	33.8	104	0.6	17.5	11.2	511	3.33	10.6	8.1	3.4	5.9	23	0.4	0.4	0.2	79	0.32	0.063
L100N-2650E	Soil			2.2	18.1	27.4	73	0.4	12.1	14.3	4308	2.44	4.1	7.8	1.0	3.2	41	1.4	0.8	<0.1	42	0.59	0.102
L100N-2700E	Soil			1.5	14.8	24.2	95	0.2	14.0	8.7	561	2.65	8.9	3.3	5.6	2.2	33	0.5	0.4	0.3	73	0.44	0.083
L100N-2750E	Soil			1.1	10.4	17.8	95	0.1	12.1	13.5	841	2.79	5.7	4.2	1.2	5.2	32	0.4	0.3	0.2	68	0.47	0.069
L100N-2900E	Soil			1.6	14.0	16.8	78	0.2	10.2	12.6	1406	2.11	4.9	4.3	1.7	2.6	40	0.5	0.4	0.2	52	0.56	0.085
L100N-2950E	Soil			1.0	11.6	17.8	63	0.2	9.4	6.0	291	2.08	5.6	2.0	0.6	2.9	19	0.4	0.3	0.3	58	0.25	0.037
L100N-3000E	Soil			1.3	16.0	18.1	87	0.2	11.2	8.3	530	2.55	8.0	3.6	1.1	4.0	25	0.4	0.3	0.4	67	0.35	0.055
L150N-000E	Soil			1.7	16.0	18.1	84	0.1	15.8	6.9	312	2.92	6.7	2.1	1.4	7.9	14	0.3	0.4	0.4	70	0.13	0.023
L150N-050E	Soil			1.3	15.9	22.8	62	<0.1	17.5	8.9	464	2.98	7.3	3.6	0.7	5.7	12	0.2	0.4	0.2	68	0.13	0.031
L150N 100E	Soil			1.0	14.6	14.7	64	<0.1	22.2	10.8	466	3.14	7.6	0.9	0.9	5.5	12	0.4	0.3	0.3	67	0.14	0.039

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Method Analyte Unit MDL		1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Ti ppm 0.1	1DX S % 0.05	1DX Ga ppm 1	1DX Se ppm 0.5
L100N-S1550E	Soil	17	27	0.51	655	0.047	<20	1.48	0.023	0.09	0.1	0.10	2.7	0.3	0.14	5	<0.5
L100N-S1600E	Soil	14	30	0.61	284	0.095	<20	1.84	0.016	0.11	0.1	0.04	4.4	0.2	<0.05	6	<0.5
L100N-S1650E	Soil	41	26	0.31	1004	0.022	<20	1.66	0.035	0.06	0.2	0.24	3.9	0.5	0.13	4	0.8
L100N-S1700E	Soil	11	30	0.45	377	0.051	<20	1.73	0.023	0.07	0.1	0.04	3.3	0.2	<0.05	7	<0.5
L100N-S1750E	Soil	14	31	0.50	316	0.040	<20	2.07	0.012	0.06	0.1	0.06	3.4	0.3	<0.05	6	<0.5
L100N-S1800E	Soil	11	26	0.44	246	0.013	<20	2.05	0.010	0.06	0.1	0.07	2.8	0.3	<0.05	5	<0.5
L100N-S1850E	Soil	7	22	0.34	120	0.041	<20	1.60	0.017	0.04	<0.1	0.03	2.1	0.1	<0.05	6	<0.5
L100N-S1900E	Soil	8	22	0.45	127	0.074	<20	1.21	0.019	0.07	<0.1	0.03	2.3	0.1	<0.05	5	<0.5
L100N-S1950E	Soil	16	31	0.58	238	0.064	<20	1.66	0.014	0.08	0.1	0.04	5.2	0.2	<0.05	5	<0.5
L100N-S2000E	Soil	21	33	0.66	256	0.086	<20	1.81	0.015	0.08	0.1	0.03	6.7	0.2	<0.05	5	<0.5
L100N-S2050E	Soil	9	16	0.20	128	0.038	<20	0.88	0.027	0.04	<0.1	0.07	1.6	0.1	<0.05	4	<0.5
L100N-S2100E	Soil	16	31	0.70	317	0.104	<20	2.08	0.020	0.10	0.1	0.04	5.3	0.2	<0.05	6	<0.5
L100N-2150E	Soil	11	31	0.63	213	0.074	<20	2.06	0.015	0.07	0.2	0.03	3.8	0.1	<0.05	6	<0.5
L100N-2200E	Soil	30	30	0.62	331	0.065	<20	2.04	0.017	0.07	0.2	0.20	7.1	0.4	<0.05	6	<0.5
L100N-2300E	Soil	15	31	0.64	340	0.087	<20	2.12	0.017	0.08	0.1	0.04	5.1	0.3	<0.05	6	0.5
L100N-2350E	Soil	12	25	0.60	313	0.066	<20	1.72	0.022	0.07	<0.1	0.06	3.7	0.2	<0.05	5	<0.5
L100N-2400E	Soil	11	24	0.52	271	0.061	<20	1.45	0.021	0.06	<0.1	0.07	3.4	0.1	<0.05	6	<0.5
L100N-2450E	Soil	22	27	0.46	825	0.039	<20	1.41	0.036	0.07	<0.1	0.08	3.9	0.9	0.10	6	<0.5
L100N-2500E	Soil	12	24	0.65	327	0.085	<20	1.64	0.015	0.07	0.2	0.03	3.4	0.2	<0.05	6	<0.5
L100N-2550E	Soil	12	26	0.68	318	0.102	<20	1.70	0.019	0.11	0.2	0.04	4.5	0.3	<0.05	6	<0.5
L100N-2600E	Soil	29	31	0.62	270	0.072	<20	2.18	0.013	0.09	0.1	0.07	6.3	0.2	<0.05	6	<0.5
L100N-2650E	Soil	38	16	0.45	482	0.049	<20	1.06	0.037	0.16	<0.1	0.09	3.4	0.2	0.10	3	0.6
L100N-2700E	Soil	15	25	0.58	355	0.078	<20	1.43	0.021	0.08	0.2	0.04	2.9	0.1	0.05	6	<0.5
L100N-2750E	Soil	22	19	0.69	336	0.076	<20	1.67	0.022	0.16	0.1	0.03	4.2	0.3	<0.05	6	<0.5
L100N-2900E	Soil	17	18	0.48	317	0.056	<20	1.10	0.027	0.05	0.1	0.03	2.9	0.1	0.07	4	<0.5
L100N-2950E	Soil	13	18	0.41	195	0.091	<20	1.16	0.019	0.05	0.1	0.02	2.7	0.1	<0.05	6	<0.5
L100N-3000E	Soil	17	22	0.51	247	0.091	<20	1.32	0.021	0.07	0.2	0.02	4.0	0.2	<0.05	5	<0.5
L150N-000E	Soil	14	27	0.50	138	0.051	<20	2.08	0.010	0.06	0.2	0.02	3.7	0.2	<0.05	7	<0.5
L150N-050E	Soil	16	29	0.44	147	0.064	<20	1.94	0.010	0.05	<0.1	0.03	4.0	0.2	<0.05	7	<0.5
L150N 100E	Soil	12	29	0.51	126	0.056	<20	1.97	0.012	0.06	0.1	0.04	3.3	0.2	<0.05	7	<0.5

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
L150N-150E	Soil	1.4	11.0	13.9	44	<0.1	11.0	5.9	227	3.79	8.8	0.6	0.9	4.8	9	0.2	0.2	0.3	87	0.09
L150N-250E	Soil	1.6	17.8	18.9	74	0.2	13.0	8.2	1001	2.48	4.8	10.6	<0.5	7.0	32	0.3	0.3	0.4	50	0.44
L150N-350E	Soil	3.3	17.6	31.1	130	0.2	15.0	9.2	537	2.84	8.9	5.3	1.3	6.7	42	0.4	0.5	0.4	68	0.52
L150N-400E	Soil	2.0	15.1	43.4	153	0.2	14.1	12.4	771	3.01	9.1	3.4	1.2	8.3	20	0.6	0.4	0.3	70	0.26
L150N-450E	Soil	2.0	20.2	39.3	137	0.4	13.0	7.8	501	2.38	10.7	5.2	1.4	3.6	55	0.8	0.7	0.4	58	0.71
L150N-500E	Soil	1.4	15.6	121.7	197	0.6	12.3	7.8	538	2.29	12.6	3.4	1.2	2.6	48	1.2	0.8	0.3	55	0.64
L150N-600E	Soil	0.9	20.1	118.0	198	0.5	11.3	9.7	848	2.81	14.1	3.6	3.5	6.7	30	1.3	1.5	0.4	65	0.42
L150N-650E	Soil	0.7	19.2	61.8	184	0.5	13.1	8.9	706	2.62	16.0	4.3	8.0	3.5	44	0.9	0.8	0.7	63	0.59
L150N-700E	Soil	1.0	25.1	142.5	244	1.0	15.7	9.4	735	2.71	13.4	4.7	4.2	3.8	38	3.0	1.2	0.8	64	0.49
L150N-750E	Soil	1.1	19.5	85.1	201	0.6	14.5	10.5	594	3.03	15.1	1.8	1.8	6.7	21	1.3	1.0	0.7	74	0.24
L150N-800E	Soil	0.9	32.9	169.3	228	1.6	17.0	10.1	621	3.08	17.5	4.8	4.3	6.4	25	1.0	1.2	0.9	74	0.31
L150N-850E	Soil	0.9	25.4	179.4	209	0.3	14.5	9.8	618	3.15	16.9	2.4	5.0	7.6	14	1.1	1.6	0.7	80	0.21
L150N-900E	Soil	0.9	17.6	77.1	283	0.7	10.4	9.8	636	3.33	15.4	2.1	18.4	9.5	14	1.4	1.9	0.7	75	0.15
L150N-950E	Soil	1.0	13.8	22.0	69	0.2	15.3	9.5	369	3.26	8.1	0.9	1.3	3.9	9	0.4	0.4	0.2	73	0.08
L150N-1000E	Soil	2.7	12.1	74.8	199	0.2	11.1	14.2	1604	3.46	12.4	1.5	0.7	3.7	24	0.8	1.0	0.2	70	0.29
L150N-1100E	Soil	1.0	234.9	2130	882	5.2	6.0	9.7	2732	3.02	56.1	5.2	14.2	9.0	20	5.4	28.9	2.1	49	0.29
L150N-1150E	Soil	1.2	318.9	3360	1058	8.5	5.4	11.3	4575	3.31	59.9	6.2	20.4	10.1	22	6.8	38.8	1.9	50	0.30
L150N-1200E	Soil	1.0	16.5	212.5	243	1.2	15.2	11.7	1128	2.75	19.0	4.3	2.4	7.9	26	1.0	2.1	0.3	65	0.37
L150N-1300E	Soil	1.3	30.6	95.0	243	3.9	15.0	7.4	808	2.10	16.5	10.8	12.0	3.5	42	1.8	1.9	0.4	50	0.55
L150N-1350E	Soil	1.7	49.0	430.2	425	4.2	6.9	9.7	2210	3.26	27.2	7.6	3.2	30.7	17	2.3	12.7	0.3	57	0.28
L150N-1400E	Soil	1.7	21.4	59.0	153	0.4	18.5	11.8	931	2.98	26.0	4.0	4.8	4.0	25	1.3	0.6	0.3	67	0.25
L150N-1450E	Soil	0.9	13.0	38.8	111	0.2	16.7	9.6	475	2.60	26.3	1.7	3.4	5.3	25	0.3	0.5	0.2	62	0.35
L150N-1500E	Soil	1.5	14.6	44.0	158	0.4	14.9	10.8	658	2.85	42.2	3.9	2.5	8.7	21	0.8	0.7	0.2	64	0.31
L150N-1550E	Soil	1.3	13.5	41.1	122	0.2	14.4	8.5	339	2.95	20.2	3.2	2.3	9.5	22	0.4	0.6	0.2	69	0.36
L150N-1600E	Soil	1.7	14.1	35.3	115	0.4	15.8	9.4	495	3.06	11.0	9.0	2.8	8.2	30	0.4	0.7	0.2	70	0.45
L150N-1650E	Soil	0.9	16.5	55.1	139	0.4	16.2	12.8	712	2.90	10.7	3.8	1.6	6.1	22	0.5	0.8	1.2	66	0.29
L150N-1750E	Soil	1.0	12.2	34.1	98	0.5	15.8	7.8	411	2.97	16.8	0.8	1.5	3.3	12	0.4	0.6	0.3	68	0.16
L150N-1800E	Soil	2.7	21.4	29.0	148	<0.1	20.6	14.5	5527	4.43	104.9	3.3	2.6	6.2	29	0.4	2.2	0.1	42	0.37
L150N-1850E	Soil	0.8	15.3	69.1	176	0.2	22.4	12.6	596	3.06	32.1	1.1	9.1	5.1	14	0.7	0.6	0.2	67	0.21
L150N-1900E	Soil	1.1	11.6	40.3	127	0.1	14.6	10.1	771	3.02	43.8	0.9	1.5	2.7	18	0.5	0.7	0.2	66	0.25

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L150N-150E	Soil	14	25	0.32	98	0.037	<20	1.71	0.008	0.04	<0.1	0.01	2.4	0.2	<0.05	9
L150N-250E	Soil	52	22	0.28	579	0.011	<20	1.75	0.013	0.08	0.2	0.04	4.7	0.3	<0.05	6
L150N-350E	Soil	26	25	0.52	303	0.070	<20	1.71	0.014	0.09	0.2	0.03	5.5	0.2	<0.05	6
L150N-400E	Soil	24	24	0.58	226	0.091	<20	1.88	0.013	0.11	0.2	0.03	4.4	0.3	<0.05	7
L150N-450E	Soil	35	22	0.48	294	0.062	<20	1.48	0.011	0.07	0.2	0.04	3.8	0.2	<0.05	5
L150N-500E	Soil	22	22	0.49	292	0.056	<20	1.41	0.013	0.08	0.3	0.05	3.2	0.2	<0.05	5
L150N-600E	Soil	20	20	0.56	290	0.082	<20	1.51	0.014	0.16	0.2	0.04	4.3	0.2	<0.05	5
L150N-650E	Soil	22	25	0.54	286	0.076	<20	1.62	0.013	0.10	0.2	0.03	4.2	0.2	<0.05	5
L150N-700E	Soil	24	26	0.56	313	0.075	<20	1.81	0.014	0.09	0.2	0.06	4.5	0.2	<0.05	6
L150N-750E	Soil	13	27	0.57	204	0.104	<20	1.81	0.012	0.15	0.1	0.03	4.0	0.2	<0.05	7
L150N-800E	Soil	20	31	0.60	282	0.097	<20	2.13	0.014	0.11	0.1	0.06	5.4	0.3	<0.05	7
L150N-850E	Soil	28	25	0.61	287	0.123	<20	2.05	0.013	0.09	0.2	0.07	4.4	0.3	<0.05	7
L150N-900E	Soil	16	18	0.53	179	0.063	<20	1.83	0.011	0.14	0.2	0.03	4.8	0.3	<0.05	7
L150N-950E	Soil	10	25	0.42	136	0.046	<20	1.74	0.009	0.07	0.1	0.01	3.9	0.2	<0.05	7
L150N-1000E	Soil	12	19	0.51	235	0.031	<20	2.38	0.011	0.16	0.2	0.03	3.5	0.7	<0.05	6
L150N-1100E	Soil	20	10	0.43	540	0.055	<20	1.09	0.011	0.20	0.2	0.07	5.0	0.3	<0.05	4
L150N-1150E	Soil	20	9	0.42	748	0.055	<20	0.98	0.012	0.22	0.2	0.07	5.0	0.4	<0.05	4
L150N-1200E	Soil	19	28	0.55	302	0.077	<20	1.75	0.012	0.15	0.6	0.05	4.6	0.3	<0.05	6
L150N-1300E	Soil	37	26	0.44	377	0.032	<20	2.00	0.018	0.09	0.7	0.14	5.1	0.3	0.10	5
L150N-1350E	Soil	34	11	0.53	496	0.091	<20	1.34	0.015	0.33	1.2	0.05	6.0	0.7	<0.05	6
L150N-1400E	Soil	18	34	0.51	348	0.066	<20	2.12	0.020	0.08	0.2	0.07	4.9	0.2	<0.05	7
L150N-1450E	Soil	11	31	0.58	240	0.091	<20	1.76	0.015	0.06	0.1	0.02	3.9	0.2	<0.05	6
L150N-1500E	Soil	16	30	0.55	268	0.116	<20	1.53	0.014	0.09	0.1	0.03	5.0	0.3	<0.05	5
L150N-1550E	Soil	17	29	0.60	285	0.119	<20	1.66	0.017	0.08	0.1	0.03	4.6	0.3	<0.05	5
L150N-1600E	Soil	20	32	0.58	393	0.090	<20	1.93	0.014	0.08	0.1	0.05	5.9	0.3	<0.05	6
L150N-1650E	Soil	21	32	0.53	339	0.079	<20	1.70	0.015	0.06	<0.1	0.06	5.7	0.3	<0.05	5
L150N-1750E	Soil	9	30	0.48	113	0.050	<20	2.04	0.009	0.05	<0.1	0.03	3.1	0.2	<0.05	7
L150N-1800E	Soil	52	11	0.12	688	0.002	<20	0.63	0.005	0.15	<0.1	0.03	9.1	0.4	<0.05	2
L150N-1850E	Soil	11	36	0.57	131	0.078	<20	2.37	0.011	0.06	<0.1	0.02	3.8	0.2	<0.05	6
L150N-1900E	Soil	10	27	0.44	129	0.060	<20	1.63	0.014	0.06	<0.1	0.03	3.0	0.2	<0.05	6

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Method	Analyte	Unit	MDL	1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX U ppm 0.1	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001
L150N-1950E	Soil			0.8	23.2	38.8	126	0.3	20.6	14.2	835	3.29	23.2	3.9	2.9	11.6	29	0.7	0.8	0.3	68	0.47	0.070
L150N-2000E	Soil			0.9	20.3	37.2	114	0.3	24.7	11.2	412	3.45	24.5	3.2	2.0	11.4	27	0.4	0.6	0.3	81	0.40	0.062
L150N-2150E	Soil			1.1	30.2	37.3	144	0.8	19.7	14.2	906	4.40	21.5	18.3	3.1	16.2	32	0.6	0.8	0.4	89	0.44	0.089
L150N-2200E	Soil			0.6	14.7	54.3	182	0.2	18.6	11.0	574	3.23	35.8	3.6	0.7	8.5	19	0.7	1.0	0.2	61	0.31	0.076
L150N-S2350E	Soil			0.9	10.4	117.0	193	0.4	15.7	11.3	2446	3.05	19.1	2.3	15.2	8.1	22	0.8	1.0	0.2	69	0.32	0.067
L150N-S2500E	Soil			1.3	12.6	110.0	216	0.4	19.5	22.8	8278	3.86	17.6	3.9	1.7	6.6	30	2.5	0.7	0.3	88	0.45	0.105
L150N-S2550E	Soil			1.2	9.7	74.2	142	0.3	18.0	16.2	1762	3.55	15.6	1.6	1.2	7.2	26	0.5	0.5	0.2	83	0.40	0.094
L150N-S2600E	Soil			1.4	13.9	45.1	120	0.2	14.3	15.5	2304	3.08	10.9	2.2	5.7	4.4	24	0.6	0.4	0.3	80	0.32	0.063
L150N-S2850E	Soil			3.6	14.9	80.2	106	0.9	15.1	60.7	4331	6.95	27.9	6.9	2.4	8.3	34	0.7	0.6	0.3	119	0.41	0.131
L150N-S2900E	Soil			1.1	14.3	29.6	107	0.3	15.1	9.8	703	3.00	11.1	4.3	1.7	5.9	29	0.4	0.4	0.3	75	0.40	0.071
L150N-S2950E	Soil			0.8	17.0	34.4	99	0.5	13.9	9.4	551	2.23	7.5	7.4	1.6	2.7	46	0.9	0.3	0.3	51	0.60	0.066
L200-0E	Soil			1.1	20.6	12.4	64	<0.1	27.0	13.1	470	3.35	9.7	3.8	2.1	8.2	16	0.3	0.4	0.2	76	0.18	0.037
L200-50E	Soil			1.5	19.7	19.3	81	0.5	25.5	13.9	490	3.54	10.0	3.0	1.3	10.3	16	0.3	0.4	0.2	77	0.17	0.031
L200-100E	Soil			1.1	24.0	17.1	73	0.1	26.4	12.5	697	3.35	9.5	3.2	1.6	11.9	20	<0.1	0.4	0.5	73	0.24	0.058
L200-150E	Soil			1.3	11.4	14.0	60	<0.1	13.8	8.9	457	3.52	9.3	0.9	1.1	5.9	11	0.4	0.4	0.4	80	0.10	0.042
L200-200E	Soil			2.2	7.1	12.1	72	<0.1	7.5	7.3	451	3.85	6.2	1.7	0.6	17.5	10	0.1	0.5	0.6	85	0.09	0.034
L200-350E	Soil			3.3	22.1	173.3	257	0.6	18.0	11.9	1041	3.48	12.6	5.8	2.3	5.4	63	2.0	1.0	0.4	83	0.75	0.066
L200-400E	Soil			2.6	17.3	42.8	144	0.2	15.9	10.6	779	3.16	11.7	5.2	<0.5	5.9	52	0.8	0.6	0.4	76	0.60	0.061
L200-450E	Soil			2.6	19.4	45.8	122	0.3	16.0	10.5	664	2.88	11.5	6.9	0.7	6.2	46	0.6	0.6	0.4	69	0.50	0.049
L200-500E	Soil			2.2	21.0	126.0	190	0.5	14.6	9.3	880	2.47	14.5	5.5	1.4	2.3	74	1.1	1.0	0.4	63	0.94	0.061
L200-550E	Soil			1.6	11.5	102.7	183	0.2	12.8	9.5	693	2.86	15.5	3.2	0.5	6.7	32	0.7	0.8	0.4	67	0.44	0.036
L200-600E	Soil			0.9	12.6	50.6	197	0.2	13.6	10.0	796	2.95	14.9	5.3	1.4	6.1	52	1.4	0.8	0.4	66	0.64	0.050
L200-650E	Soil			1.0	12.1	39.0	116	0.1	14.9	7.7	368	2.73	12.3	2.3	1.3	5.0	26	0.6	0.5	0.3	75	0.30	0.036
L200-750E	Soil			1.1	19.7	151.2	197	1.1	15.3	9.1	670	3.04	13.5	3.7	6.4	5.9	25	0.7	1.1	0.8	72	0.29	0.042
L200-800E	Soil			1.2	30.3	187.9	234	1.8	16.6	11.0	929	3.26	17.2	6.0	4.8	4.7	35	0.7	1.2	1.0	72	0.43	0.069
L200-850E	Soil			0.8	32.9	296.9	242	1.9	17.8	11.2	1097	3.33	19.8	4.3	6.1	6.5	36	0.7	2.1	1.0	80	0.48	0.057
L200-900E	Soil			1.0	25.2	159.7	245	2.5	18.8	14.6	652	4.11	21.1	2.0	4.6	10.3	12	1.3	1.5	0.8	99	0.17	0.047
L200-950E	Soil			1.0	13.3	52.9	100	0.1	14.0	9.6	569	3.67	14.2	1.5	169.4	6.1	11	0.6	1.9	0.4	86	0.14	0.042
L200-1000E	Soil			1.3	12.7	37.8	175	0.5	6.8	12.2	1769	4.15	39.1	4.4	2.2	11.6	25	1.0	3.7	0.2	80	0.17	0.043
L200-1050E	Soil			0.6	14.2	21.9	93	0.2	10.0	9.0	375	3.43	5.7	4.5	2.3	11.7	13	0.3	0.5	0.3	73	0.13	0.033

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L150N-1950E	Soil	22	34	0.65	365	0.088	<20	2.05	0.017	0.09	<0.1	0.04	7.6	0.2	<0.05	6
L150N-2000E	Soil	23	39	0.71	281	0.096	<20	2.14	0.014	0.08	<0.1	0.04	6.6	0.2	<0.05	6
L150N-2150E	Soil	70	35	0.63	353	0.036	<20	2.81	0.013	0.10	<0.1	0.11	12.9	0.4	<0.05	8
L150N-2200E	Soil	15	30	0.57	204	0.052	<20	1.86	0.013	0.07	0.1	0.03	4.5	0.3	<0.05	5
L150N-S2350E	Soil	13	28	0.53	310	0.075	<20	1.63	0.013	0.07	0.1	0.05	4.2	0.2	<0.05	6
L150N-S2500E	Soil	18	30	0.60	490	0.065	<20	2.10	0.017	0.08	0.2	0.04	5.9	0.3	<0.05	7
L150N-S2550E	Soil	12	30	0.68	276	0.101	<20	1.83	0.018	0.09	0.2	0.04	4.3	0.2	<0.05	6
L150N-S2600E	Soil	13	24	0.58	336	0.087	<20	1.57	0.020	0.06	0.1	0.02	3.7	0.2	<0.05	7
L150N-S2850E	Soil	23	31	0.50	433	0.056	<20	2.02	0.019	0.06	<0.1	0.07	5.3	0.3	0.06	6
L150N-S2900E	Soil	18	27	0.63	290	0.098	<20	1.76	0.021	0.09	0.2	0.04	4.1	0.2	<0.05	7
L150N-S2950E	Soil	27	21	0.53	354	0.067	<20	1.54	0.018	0.05	0.2	0.05	3.2	0.2	0.06	5
L200-0E	Soil	14	37	0.63	138	0.089	<20	2.75	0.014	0.07	0.1	0.05	5.3	0.1	<0.05	7
L200-50E	Soil	14	36	0.60	221	0.035	<20	3.03	0.012	0.07	0.1	0.05	4.6	0.2	<0.05	7
L200-100E	Soil	23	35	0.65	263	0.048	<20	2.64	0.014	0.08	0.2	0.03	5.8	0.2	<0.05	6
L200-150E	Soil	17	25	0.41	103	0.025	<20	1.98	0.010	0.06	<0.1	0.02	3.0	0.2	<0.05	8
L200-200E	Soil	29	13	0.37	183	0.018	<20	1.38	0.008	0.11	6.3	0.02	3.3	0.3	<0.05	8
L200-350E	Soil	25	29	0.63	316	0.082	<20	1.93	0.017	0.13	0.2	0.06	5.8	0.2	<0.05	7
L200-400E	Soil	25	27	0.59	321	0.073	<20	1.77	0.016	0.10	0.2	0.04	4.8	0.2	<0.05	6
L200-450E	Soil	31	28	0.59	331	0.066	<20	1.94	0.017	0.07	0.2	0.05	4.8	0.2	<0.05	6
L200-500E	Soil	33	23	0.57	349	0.057	<20	1.53	0.019	0.09	0.2	0.05	3.4	0.2	<0.05	5
L200-550E	Soil	17	24	0.59	265	0.066	<20	1.92	0.012	0.09	0.1	0.05	4.3	0.2	<0.05	6
L200-600E	Soil	26	23	0.58	264	0.063	<20	1.65	0.016	0.08	0.1	0.04	4.8	0.2	<0.05	5
L200-650E	Soil	15	27	0.60	216	0.077	<20	1.98	0.012	0.07	0.1	0.03	3.6	0.2	<0.05	7
L200-750E	Soil	17	29	0.62	255	0.078	<20	1.98	0.014	0.08	0.2	0.06	4.4	0.2	<0.05	6
L200-800E	Soil	24	31	0.63	313	0.070	<20	2.23	0.016	0.09	0.1	0.07	5.3	0.3	<0.05	7
L200-850E	Soil	21	30	0.65	351	0.086	<20	2.03	0.022	0.11	0.2	0.04	4.9	0.2	<0.05	7
L200-900E	Soil	13	35	0.71	175	0.080	<20	2.84	0.013	0.09	0.1	0.05	4.4	0.3	<0.05	8
L200-950E	Soil	13	24	0.59	142	0.075	<20	1.96	0.011	0.11	0.1	0.21	3.9	0.2	<0.05	7
L200-1000E	Soil	47	11	0.32	392	0.005	<20	1.72	0.009	0.09	<0.1	0.04	5.6	0.4	<0.05	6
L200-1050E	Soil	32	16	0.54	300	0.048	<20	1.94	0.012	0.10	0.1	0.03	5.7	0.2	<0.05	6



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October 19, 2007

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Part 1

CERTIFICATE OF ANALYSIS

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Method Analyte Unit MDL		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
L200-1100E	Soil	0.8	30.5	266.1	258	1.1	8.5	11.4	1107	3.73	12.8	4.7	9.0	10.9	24	3.5	3.4	0.5	75	0.33
L200-1150E	Soil	0.9	267.0	2681	1475	10.0	7.1	11.7	2940	3.89	64.7	7.8	32.1	15.0	37	17.4	38.7	2.7	61	0.40
L200-1200E	Soil	1.4	425.9	8703	1360	14.8	5.4	12.4	7168	4.34	75.8	10.0	25.4	17.3	26	8.4	58.3	2.6	65	0.26
L200-1250E	Soil	1.8	20.7	152.5	281	2.8	12.9	10.2	2868	2.59	18.4	16.6	5.4	3.8	51	2.9	1.6	0.3	49	0.69
L200-1300E	Soil	1.4	14.6	140.4	251	0.9	12.2	10.5	2972	2.70	24.4	5.6	3.6	11.7	25	1.6	1.6	0.3	53	0.35
L200N-1350E	Soil	1.1	7.9	42.9	301	0.9	4.9	5.8	648	2.80	46.1	9.6	3.0	29.6	13	1.2	1.7	0.3	35	0.23
L200S-1400E	Soil	1.6	14.1	83.0	132	0.9	12.6	6.8	378	2.82	22.1	1.9	2.2	4.6	29	0.7	0.8	0.3	81	0.41
L200S-1450E	Soil	1.9	13.1	73.0	158	0.2	14.9	9.8	625	3.09	28.2	1.1	1.7	5.7	26	1.0	0.7	0.3	79	0.35
L200S-1500E	Soil	1.4	16.4	64.5	160	0.2	15.7	8.5	633	2.95	38.7	2.0	7.4	5.8	29	0.6	0.7	0.4	73	0.42
L200S-1600E	Soil	1.3	18.4	93.7	134	0.6	20.3	11.4	564	2.97	7.6	2.8	0.8	8.5	27	0.4	0.9	0.5	68	0.43
L200S-1650E	Soil	2.0	23.1	102.1	163	0.7	21.1	12.0	913	3.91	11.4	5.7	1.6	12.8	24	1.0	1.2	0.3	82	0.40
L200S-1750E	Soil	3.5	9.9	43.7	111	0.3	13.4	7.1	475	3.59	13.3	0.9	1.8	3.1	19	0.5	0.8	0.4	103	0.23
L200S-1800E	Soil	1.3	19.3	143.8	148	0.6	17.4	10.6	924	2.91	22.1	1.8	1.0	2.1	15	0.6	1.2	0.4	63	0.20
L200S-1850E	Soil	0.9	16.4	32.5	88	0.2	17.4	8.6	415	2.53	11.8	1.3	0.9	2.2	16	0.4	0.6	0.2	64	0.22
L200S-1900E	Soil	0.6	15.7	53.9	171	0.2	21.3	9.9	578	3.23	14.3	1.8	1.0	9.6	26	0.4	1.6	0.2	71	0.36
L200S-2050E	Soil	1.5	15.8	39.4	140	0.4	16.8	14.5	1243	3.14	18.9	3.1	<0.5	3.7	26	0.6	0.6	0.3	84	0.36
L200S-2100E	Soil	0.8	14.2	83.0	493	0.3	20.9	13.4	1311	3.39	111.3	1.9	43.4	9.0	20	1.6	1.0	0.2	74	0.35
L200S-2150E	Soil	0.7	17.9	87.1	280	0.5	19.6	13.3	541	3.44	66.3	3.4	1.2	10.6	25	0.7	0.8	0.2	75	0.39
L200S-2200E	Soil	0.6	17.9	36.6	173	0.2	21.1	12.9	617	3.49	17.6	3.7	<0.5	11.6	22	0.5	0.7	0.2	74	0.33
L200S-2300E	Soil	0.7	12.7	32.2	113	0.4	14.6	7.4	369	2.40	13.6	3.1	0.6	2.4	19	0.5	0.6	0.2	60	0.27
L200S-2350E	Soil	1.1	10.4	65.5	161	0.3	15.8	13.0	1287	2.89	11.6	1.7	1.8	5.6	24	0.5	0.6	0.2	71	0.40
L200N-S2400E	Soil	1.2	11.3	40.3	135	0.5	14.2	9.1	730	2.81	12.0	2.3	33.2	2.3	34	0.4	0.7	0.2	65	0.48
L200S-S2550E	Soil	0.9	12.4	35.1	122	0.1	14.7	11.2	920	3.18	10.2	1.9	<0.5	9.2	17	0.4	0.3	0.2	82	0.25
L200S-S2750E	Soil	1.5	17.2	43.4	158	0.4	15.2	14.5	1674	3.22	13.6	4.0	<0.5	8.0	32	1.5	0.6	0.2	66	0.52
L200S-S2800E	Soil	0.7	18.1	51.1	157	0.2	15.0	10.2	341	4.36	13.8	3.7	<0.5	8.5	23	0.4	0.4	0.2	87	0.35
L200S-S2850E	Soil	0.8	15.4	44.0	153	0.3	15.5	10.8	501	3.13	11.9	3.1	14.8	10.2	30	1.2	0.4	0.3	78	0.49
L200S-S2950E	Soil	1.5	14.9	92.7	156	0.8	15.1	25.2	2978	2.58	12.6	4.3	0.8	3.4	41	2.2	0.4	0.3	68	0.59
L250N-S0	Soil	1.0	8.4	19.5	106	<0.1	10.3	11.2	855	3.28	4.7	2.6	<0.5	23.2	13	0.3	0.5	0.8	50	0.22
L250N-S50E	Soil	1.9	18.0	32.3	115	0.2	17.9	9.2	435	2.98	9.3	3.4	<0.5	5.6	36	0.8	0.4	0.3	78	0.43
L250N-S150E	Soil	1.4	9.8	12.8	57	<0.1	12.1	7.0	380	3.92	9.4	0.7	0.6	3.5	9	0.1	0.5	0.4	84	0.08

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L200-1100E	Soil	23	14	0.55	478	0.063	<20	1.76	0.015	0.27	0.2	0.05	7.9	0.4	<0.05	6
L200-1150E	Soil	25	11	0.58	806	0.066	<20	1.44	0.014	0.26	0.2	0.09	6.1	0.4	<0.05	5
L200-1200E	Soil	23	10	0.43	1121	0.046	<20	1.01	0.010	0.20	3.4	0.10	5.3	0.5	<0.05	4
L200-1250E	Soil	29	24	0.49	477	0.024	<20	1.86	0.015	0.11	0.3	0.15	5.0	0.3	0.06	5
L200-1300E	Soil	23	19	0.54	365	0.052	<20	1.66	0.012	0.15	0.5	0.03	4.2	0.3	<0.05	6
L200N-1350E	Soil	35	7	0.28	264	0.029	<20	1.12	0.014	0.21	0.6	0.04	6.5	0.4	<0.05	4
L200S-1400E	Soil	12	26	0.47	208	0.065	<20	1.76	0.013	0.08	0.1	0.03	3.3	0.2	<0.05	7
L200S-1450E	Soil	12	28	0.59	313	0.079	<20	1.78	0.013	0.08	0.2	0.02	3.6	0.2	<0.05	7
L200S-1500E	Soil	14	30	0.65	353	0.108	<20	1.76	0.018	0.11	0.2	0.02	3.7	0.2	<0.05	7
L200S-1600E	Soil	16	35	0.64	380	0.115	<20	1.99	0.015	0.08	0.1	0.06	6.1	0.2	<0.05	6
L200S-1650E	Soil	25	36	0.67	482	0.124	<20	2.00	0.018	0.10	0.2	0.04	7.8	0.4	<0.05	6
L200S-1750E	Soil	10	28	0.49	487	0.066	<20	1.66	0.011	0.05	<0.1	0.03	3.2	0.3	<0.05	9
L200S-1800E	Soil	14	29	0.46	244	0.038	<20	1.91	0.013	0.06	0.1	0.05	3.4	0.3	<0.05	6
L200S-1850E	Soil	11	28	0.47	165	0.057	<20	1.94	0.012	0.07	<0.1	0.03	3.3	0.2	<0.05	6
L200S-1900E	Soil	15	37	0.66	250	0.084	<20	2.02	0.013	0.08	0.1	0.03	5.6	0.2	<0.05	6
L200S-2050E	Soil	16	33	0.54	226	0.072	<20	1.86	0.020	0.07	<0.1	0.04	4.3	0.2	<0.05	8
L200S-2100E	Soil	15	32	0.71	164	0.099	<20	2.02	0.013	0.10	<0.1	0.03	4.7	0.2	<0.05	7
L200S-2150E	Soil	20	33	0.70	240	0.092	<20	2.15	0.014	0.08	0.1	0.03	6.4	0.2	<0.05	7
L200S-2200E	Soil	21	32	0.61	240	0.088	<20	1.81	0.015	0.08	<0.1	0.03	7.0	0.2	<0.05	6
L200S-2300E	Soil	12	27	0.44	172	0.039	<20	1.46	0.021	0.06	0.2	0.06	3.8	0.2	0.05	5
L200S-2350E	Soil	12	30	0.58	220	0.081	<20	1.78	0.017	0.07	0.1	0.06	4.6	0.2	<0.05	6
L200N-S2400E	Soil	12	30	0.47	267	0.050	<20	1.61	0.021	0.06	0.1	0.07	4.4	0.2	<0.05	6
L200S-S2550E	Soil	13	26	0.63	200	0.106	<20	1.72	0.012	0.10	0.1	0.02	4.4	0.2	<0.05	7
L200S-S2750E	Soil	20	29	0.55	479	0.077	<20	1.84	0.020	0.07	0.1	0.08	3.9	0.2	0.06	6
L200S-S2800E	Soil	17	30	0.68	297	0.109	<20	2.13	0.015	0.08	<0.1	0.04	5.1	0.2	<0.05	7
L200S-S2850E	Soil	20	25	0.72	363	0.106	<20	1.69	0.019	0.11	0.2	0.04	4.3	0.2	<0.05	6
L200S-S2950E	Soil	18	25	0.51	550	0.074	<20	1.60	0.020	0.08	0.1	0.07	4.2	0.3	0.06	5
L250N-S0	Soil	32	14	0.40	176	0.008	<20	1.63	0.006	0.13	0.8	0.01	5.8	0.3	<0.05	4
L250N-S50E	Soil	17	29	0.60	240	0.078	<20	1.84	0.013	0.07	0.1	0.02	3.9	0.2	<0.05	7
L250N-S150E	Soil	12	24	0.40	61	0.037	<20	1.54	0.007	0.07	0.4	0.02	2.8	0.2	<0.05	8

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Method	Analyte	Unit	MDL	1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX U ppm 0.1	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001
L250N-S200E	Soil			1.1	7.7	12.5	51	0.1	7.9	7.3	448	2.89	4.8	0.9	<0.5	7.3	10	0.1	0.3	0.9	62	0.15	0.039
L250N-S400E	Soil			3.9	12.7	32.6	106	0.1	11.5	6.6	276	2.66	7.4	1.4	<0.5	5.2	22	0.3	0.5	0.5	69	0.22	0.025
L250N-S450E	Soil			1.7	15.7	32.1	125	<0.1	13.8	11.7	617	3.13	8.6	1.8	<0.5	10.3	26	0.8	0.5	0.3	80	0.38	0.041
L250N-S800E	Soil			1.2	20.8	126.2	196	0.8	14.9	10.5	633	2.87	13.9	3.2	2.3	4.9	28	0.9	0.9	0.8	72	0.37	0.049
L250N-S850E	Soil			1.1	29.6	216.7	217	0.4	12.9	11.0	862	2.71	15.7	3.6	3.3	2.7	16	2.2	1.7	0.9	70	0.18	0.056
L250N-S900E	Soil			1.1	17.4	111.5	227	0.4	12.5	9.4	595	3.03	16.3	1.7	<0.5	4.2	12	1.2	1.5	0.9	80	0.16	0.042
L250N-S950E	Soil			0.7	13.6	57.6	117	0.4	10.9	5.7	416	1.94	5.8	1.0	<0.5	0.9	19	3.6	0.6	0.4	61	0.21	0.036
L250N-S1050E	Soil			1.1	15.6	8.7	59	0.2	11.8	7.7	696	2.32	3.1	0.6	<0.5	1.1	15	0.6	0.4	0.2	67	0.15	0.036
L250N-S1100E	Soil			0.5	12.4	248.7	525	0.2	5.0	10.3	2405	2.87	8.6	4.4	0.8	16.7	19	4.7	1.1	0.1	47	0.27	0.060
L250N-S1150E	Soil			0.8	25.2	237.0	134	2.5	25.1	12.6	493	3.21	11.4	0.9	7.2	7.8	13	1.7	1.3	0.4	73	0.17	0.047
L250N-S1200E	Soil			0.6	198.0	2193	1372	9.1	4.9	12.3	3214	3.53	146.1	4.6	22.6	11.8	31	9.2	21.9	1.7	44	0.98	0.069
L250N-S1350E	Soil			2.0	15.3	181.2	336	1.2	7.9	7.3	1324	2.59	38.5	8.4	1.5	15.2	24	2.0	2.4	0.4	44	0.33	0.053
L250N-S1450E	Soil			1.5	19.3	60.2	136	0.5	14.2	7.7	584	2.71	34.6	4.2	3.8	1.7	24	0.9	0.5	0.4	59	0.25	0.052
L250N-S1500E	Soil			1.9	13.4	59.8	246	0.3	12.0	8.4	1278	2.86	29.0	3.0	2.2	3.7	26	1.3	1.1	0.5	59	0.30	0.059
L250N-S1550E	Soil			2.2	25.9	94.3	214	1.3	16.4	12.0	1489	3.40	67.7	8.0	11.3	5.1	39	0.6	0.7	0.6	69	0.42	0.092
L250N-S1650E	Soil			1.2	14.0	57.2	110	0.2	16.3	8.8	461	2.74	11.0	1.6	1.4	7.5	24	0.4	0.7	0.3	62	0.38	0.068
L250N-S1800E	Soil			1.3	14.3	212.8	252	1.6	15.6	10.8	1029	3.06	17.6	2.8	1.0	2.3	15	1.0	1.6	0.4	61	0.19	0.062
L250N-S1850E	Soil			1.5	15.8	170.9	149	1.2	19.3	13.6	705	3.19	12.4	1.2	1.8	4.7	17	0.8	1.3	0.2	62	0.27	0.074
L250N-2000E	Soil			0.9	20.8	65.1	249	0.4	18.2	14.4	598	3.56	25.3	4.8	2.3	12.6	28	1.1	0.8	0.3	77	0.41	0.055
L250N-2050E	Soil			0.7	20.3	61.8	188	0.5	19.5	11.5	634	3.25	19.0	4.1	11.0	11.5	26	1.4	0.7	0.2	67	0.37	0.062
L250N-2100E	Soil			0.6	19.5	94.3	275	0.8	20.2	8.5	492	2.71	72.6	3.6	3.2	8.3	27	0.9	1.2	0.2	57	0.42	0.068
L250N-2150E	Soil			0.8	15.1	53.5	167	0.4	16.6	15.1	905	4.14	48.2	3.0	3.5	9.9	20	0.4	1.0	0.2	80	0.28	0.068
L250N-2200E	Soil			0.8	10.9	77.1	164	0.4	16.4	15.9	1612	3.31	33.6	2.0	0.6	10.7	25	0.5	0.9	0.3	60	0.39	0.076
L250N-2250E	Soil			0.7	13.5	59.4	138	0.3	15.8	12.9	524	3.85	48.7	4.3	2.5	10.7	21	0.5	0.8	0.2	70	0.34	0.067
L250N-2300E	Soil			0.9	13.7	32.7	116	0.2	15.8	10.9	330	4.26	24.1	3.9	0.8	9.0	21	0.6	0.6	0.3	72	0.33	0.079
L250N-2400E	Soil			1.1	7.8	45.2	81	0.3	8.8	11.5	3135	2.03	12.6	1.8	10.0	2.0	22	0.5	0.7	0.2	51	0.28	0.066
L250N-2450E	Soil			3.0	23.3	72.2	148	1.2	15.5	26.4	7318	3.75	23.8	10.3	1.5	2.8	29	2.3	0.8	0.3	74	0.36	0.133
L250N-2500E	Soil			1.0	11.7	40.3	165	0.1	15.4	11.1	1017	3.06	16.4	2.4	<0.5	5.8	23	1.3	0.5	0.3	72	0.36	0.069
L250N-2550E	Soil			1.6	18.6	37.1	156	0.4	16.1	11.6	1828	3.14	14.3	4.1	2.1	4.9	26	1.5	0.5	0.3	73	0.34	0.067
L250N-2600E	Soil			0.7	13.7	43.4	127	0.6	15.6	9.3	2941	2.51	4.5	6.6	2.3	6.8	29	0.8	0.4	0.2	61	0.39	0.095

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L250N-S200E	Soil	15	15	0.33	59	0.012	<20	1.53	0.007	0.07	0.5	0.04	2.6	0.3	<0.05	6
L250N-S400E	Soil	11	20	0.47	105	0.071	<20	1.36	0.011	0.09	0.2	0.02	2.9	0.2	<0.05	6
L250N-S450E	Soil	13	24	0.65	173	0.126	<20	1.80	0.018	0.21	0.2	0.02	4.1	0.4	<0.05	6
L250N-S800E	Soil	15	27	0.56	217	0.089	<20	1.87	0.017	0.09	0.2	0.05	4.1	0.2	<0.05	6
L250N-S850E	Soil	20	26	0.49	212	0.070	<20	1.84	0.014	0.08	0.7	0.04	3.8	0.2	<0.05	6
L250N-S900E	Soil	12	26	0.51	131	0.094	<20	1.83	0.010	0.07	0.2	0.03	3.7	0.2	<0.05	7
L250N-S950E	Soil	7	18	0.40	153	0.075	<20	1.23	0.013	0.09	0.1	0.05	2.0	0.1	<0.05	6
L250N-S1050E	Soil	7	17	0.38	212	0.070	<20	1.31	0.015	0.09	<0.1	0.05	2.4	0.1	<0.05	6
L250N-S1100E	Soil	20	6	0.40	431	0.045	<20	1.08	0.011	0.23	0.2	0.03	5.9	0.3	<0.05	4
L250N-S1150E	Soil	8	32	0.65	167	0.090	<20	2.64	0.009	0.08	1.7	0.06	4.0	0.2	<0.05	6
L250N-S1200E	Soil	27	7	0.58	349	0.033	<20	1.07	0.007	0.27	0.2	0.08	5.9	0.6	0.20	4
L250N-S1350E	Soil	26	13	0.40	275	0.033	<20	1.18	0.007	0.16	0.7	0.05	4.5	0.3	<0.05	4
L250N-S1450E	Soil	17	25	0.45	265	0.028	<20	1.75	0.016	0.07	0.2	0.05	3.0	0.2	0.07	6
L250N-S1500E	Soil	15	23	0.44	252	0.029	<20	1.50	0.009	0.09	0.1	0.04	3.2	0.3	0.09	5
L250N-S1550E	Soil	36	31	0.57	388	0.040	<20	2.38	0.013	0.09	0.2	0.09	6.1	0.4	<0.05	7
L250N-S1650E	Soil	12	31	0.65	291	0.092	<20	1.85	0.012	0.08	0.2	0.03	3.9	0.2	<0.05	6
L250N-S1800E	Soil	12	28	0.48	401	0.027	<20	2.18	0.009	0.06	<0.1	0.06	2.9	0.4	<0.05	7
L250N-S1850E	Soil	11	32	0.57	233	0.072	<20	2.14	0.010	0.06	0.3	0.06	3.7	0.2	<0.05	6
L250N-2000E	Soil	21	38	0.66	304	0.091	<20	2.08	0.012	0.07	<0.1	0.04	8.1	0.3	<0.05	6
L250N-2050E	Soil	23	35	0.60	259	0.083	<20	1.86	0.013	0.08	<0.1	0.05	6.8	0.2	<0.05	6
L250N-2100E	Soil	19	32	0.62	234	0.077	<20	1.76	0.014	0.07	<0.1	0.07	6.6	0.2	<0.05	5
L250N-2150E	Soil	17	32	0.56	194	0.066	<20	2.06	0.012	0.07	0.1	0.04	6.0	0.3	<0.05	7
L250N-2200E	Soil	15	26	0.56	198	0.060	<20	1.62	0.015	0.07	<0.1	0.03	4.3	0.2	<0.05	5
L250N-2250E	Soil	18	31	0.55	211	0.057	<20	1.82	0.012	0.07	0.1	0.12	5.8	0.2	<0.05	5
L250N-2300E	Soil	17	29	0.57	168	0.050	<20	1.99	0.012	0.06	0.1	0.04	4.5	0.3	<0.05	6
L250N-2400E	Soil	11	21	0.27	151	0.040	<20	1.01	0.016	0.06	0.1	0.04	2.7	0.1	<0.05	5
L250N-2450E	Soil	23	36	0.38	340	0.039	<20	1.63	0.025	0.06	0.1	0.09	4.5	0.5	0.09	6
L250N-2500E	Soil	17	27	0.59	216	0.086	<20	1.50	0.012	0.08	1.0	0.01	3.9	0.1	<0.05	6
L250N-2550E	Soil	20	28	0.49	301	0.078	<20	1.55	0.014	0.09	<0.1	0.04	4.2	0.2	<0.05	7
L250N-2600E	Soil	20	36	0.67	356	0.099	<20	2.21	0.015	0.09	<0.1	0.09	6.1	0.3	<0.05	8

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Report Date:

October 19, 2007

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		Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
			0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L250N-2650E	Soil	1.3	17.1	40.0	99	0.4	12.4	18.4	2706	3.49	14.0	8.6	4.4	5.2	30	1.1	0.6	0.2	74	0.37	0.138	
L250N-2700E	Soil	1.4	14.1	33.5	128	0.2	13.6	15.7	2294	3.48	10.4	7.0	1.9	5.5	24	0.6	0.4	0.4	76	0.35	0.094	
L250N-2750E	Soil	0.9	15.3	31.5	118	0.2	14.7	14.0	672	3.38	12.9	3.9	41.4	4.9	24	0.5	0.4	0.2	82	0.34	0.085	
L250N-2800E	Soil	0.9	18.7	64.5	147	0.4	12.1	9.8	641	2.70	14.2	3.0	1.2	5.3	22	0.9	0.5	0.3	66	0.31	0.062	
L250N-2850E	Soil	0.9	16.3	32.8	121	0.2	11.7	11.5	837	3.08	12.3	2.3	2.1	5.7	24	0.6	0.4	0.3	78	0.32	0.048	
L300N-50E	Soil	2.1	19.2	27.0	97	0.1	17.7	9.7	359	3.17	8.2	5.7	33.9	7.5	26	0.3	0.4	0.6	74	0.35	0.031	
L300N-100E	Soil	1.4	14.8	91.0	143	<0.1	15.9	12.7	1001	3.07	7.1	2.6	0.5	17.5	11	0.4	0.6	0.2	43	0.13	0.026	
L300N-150E	Soil	0.9	19.3	41.2	94	<0.1	21.2	10.3	662	2.78	7.3	2.5	1.3	13.1	15	0.3	0.5	0.4	57	0.18	0.035	
L300N-200E	Soil	2.4	20.1	43.9	133	0.9	17.6	10.1	772	3.00	6.9	9.2	1.7	6.5	45	0.4	0.6	0.6	62	0.61	0.070	
L300N-250E	Soil	1.9	19.7	298.8	169	1.8	16.8	8.2	497	2.65	6.7	9.9	1.8	3.7	59	0.9	0.8	0.8	58	0.86	0.066	
L300N-350E	Soil	1.7	12.4	27.0	89	<0.1	18.3	10.8	466	3.64	8.7	0.9	<0.5	5.7	28	0.3	0.3	0.2	95	0.35	0.035	
L300N-400E	Soil	2.7	19.1	89.6	192	0.2	16.3	11.3	816	2.99	12.3	4.3	0.6	4.6	52	1.2	0.6	0.6	72	0.66	0.064	
L300N-450E	Soil	2.0	20.1	46.7	133	0.1	14.3	10.3	672	2.84	12.7	4.6	<0.5	3.8	71	0.8	0.6	0.4	69	0.92	0.056	
L300N-500E	Soil	1.5	21.0	51.5	166	0.6	14.4	7.5	387	2.61	14.1	4.9	1.2	3.2	92	1.0	0.7	0.4	61	1.26	0.065	
L300N-550E	Soil	1.3	15.3	131.8	251	0.3	14.7	10.9	918	3.28	24.0	2.3	3.3	6.1	50	1.5	0.8	0.5	72	0.60	0.052	
L300N-600E	Soil	1.2	28.1	53.0	229	0.8	17.9	10.5	759	3.11	17.1	13.5	2.4	6.0	71	1.4	0.7	0.5	66	0.89	0.064	
L300N-750E	Soil	1.3	36.5	191.4	238	1.2	17.1	10.0	891	3.09	17.1	8.5	3.8	4.9	54	2.6	1.6	0.9	68	0.70	0.065	
L300N-800E	Soil	1.2	24.3	131.3	230	0.8	18.1	10.8	733	3.39	19.7	3.7	5.7	6.2	35	0.9	1.0	0.9	81	0.46	0.059	
L300N-850E	Soil	1.1	23.4	117.6	229	1.1	14.1	10.1	795	2.83	17.5	3.2	3.7	3.6	32	1.3	1.5	0.9	66	0.41	0.048	
L300N-950E	Soil	1.0	28.1	139.1	202	1.1	15.6	12.4	894	2.99	14.4	5.2	4.8	4.3	42	1.0	1.5	0.8	73	0.53	0.055	
L300N-1000E	Soil	1.0	19.9	91.8	159	0.4	14.7	13.9	1332	3.06	11.4	3.7	2.8	4.6	23	0.9	1.0	0.8	77	0.29	0.045	
L300N-1050E	Soil	1.6	17.1	14.9	94	0.2	15.8	12.3	516	3.90	8.5	0.6	0.7	4.8	14	0.9	0.4	0.4	97	0.12	0.032	
L300N-1100E	Soil	0.6	23.4	109.7	242	1.2	11.7	8.5	834	2.84	12.0	4.1	8.0	6.0	40	2.0	1.3	0.7	62	0.54	0.061	
L300N-1150E	Soil	0.9	185.8	1697	1830	9.6	5.7	13.4	5216	4.17	32.7	7.8	17.5	17.2	37	22.1	13.7	1.4	51	0.30	0.070	
L300N-1200E	Soil	0.7	151.4	1724	1173	11.0	6.9	12.6	1707	3.68	25.0	4.5	17.8	14.9	27	9.0	14.7	1.3	73	0.37	0.083	
L300N-1250E	Soil	1.2	353.0	3217	1487	6.4	4.1	13.1	4801	3.49	49.7	7.1	14.2	15.5	23	8.2	29.1	1.4	53	0.28	0.066	
L300N-1300E	Soil	1.6	538.3	5821	1516	13.1	3.9	13.0	4855	4.19	92.6	9.6	51.2	20.4	26	8.5	79.3	4.0	57	0.30	0.082	
L300N-1350E	Soil	1.4	17.9	177.3	274	0.4	13.9	9.7	1044	2.84	38.4	3.0	4.0	9.7	25	1.8	1.9	0.7	61	0.35	0.070	
L300N-1400E	Soil	3.5	41.7	1080	351	4.7	11.0	6.9	1546	2.55	87.4	7.6	21.9	5.5	39	3.5	11.4	0.7	50	0.49	0.057	
L300N-1450E	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L250N-2650E	Soil	27	29	0.49	353	0.059	<20	1.60	0.015	0.07	0.1	0.06	4.3	0.2	0.07	6
L250N-2700E	Soil	25	28	0.66	350	0.087	<20	1.96	0.013	0.08	0.2	0.02	4.8	0.3	<0.05	7
L250N-2750E	Soil	18	29	0.62	311	0.097	<20	1.90	0.013	0.08	0.2	0.04	4.3	0.2	<0.05	7
L250N-2800E	Soil	15	27	0.53	262	0.086	<20	1.64	0.012	0.08	<0.1	0.01	3.5	0.1	<0.05	6
L250N-2850E	Soil	12	22	0.60	228	0.106	<20	1.67	0.011	0.09	0.2	0.01	3.6	0.2	<0.05	7
L300N-50E	Soil	23	33	0.57	227	0.055	<20	2.15	0.009	0.07	<0.1	0.02	4.8	0.3	<0.05	8
L300N-100E	Soil	19	25	0.34	151	0.014	<20	1.75	0.007	0.10	0.1	0.02	3.7	0.3	<0.05	4
L300N-150E	Soil	17	29	0.48	204	0.036	<20	1.94	0.008	0.09	0.2	0.01	3.9	0.2	<0.05	5
L300N-200E	Soil	27	30	0.60	336	0.041	<20	2.05	0.014	0.10	0.2	0.06	6.3	0.3	<0.05	7
L300N-250E	Soil	26	28	0.53	284	0.043	<20	1.71	0.012	0.08	0.4	0.08	4.6	0.3	<0.05	6
L300N-350E	Soil	10	31	0.62	217	0.111	<20	1.95	0.010	0.07	0.1	<0.01	4.0	0.2	<0.05	8
L300N-400E	Soil	21	27	0.59	270	0.077	<20	1.78	0.015	0.10	0.1	0.03	4.6	0.2	<0.05	6
L300N-450E	Soil	21	26	0.57	266	0.080	<20	1.64	0.013	0.11	0.2	0.03	4.3	0.2	0.06	6
L300N-500E	Soil	20	25	0.53	321	0.066	<20	1.61	0.019	0.10	0.1	0.03	4.0	0.2	0.08	5
L300N-550E	Soil	21	29	0.70	326	0.095	<20	2.00	0.023	0.12	<0.1	0.03	5.5	0.1	0.05	7
L300N-600E	Soil	48	31	0.62	349	0.062	<20	2.12	0.017	0.10	0.1	0.06	6.6	0.2	<0.05	7
L300N-750E	Soil	38	30	0.58	390	0.071	<20	2.08	0.015	0.10	0.4	0.10	5.9	0.2	0.07	7
L300N-800E	Soil	21	31	0.67	312	0.096	<20	2.04	0.016	0.11	0.2	0.04	4.8	0.3	<0.05	7
L300N-850E	Soil	16	25	0.55	325	0.075	<20	1.69	0.012	0.08	0.2	0.05	3.7	0.2	<0.05	6
L300N-950E	Soil	21	31	0.62	322	0.089	<20	1.97	0.014	0.08	0.3	0.05	4.8	0.3	<0.05	6
L300N-1000E	Soil	14	31	0.60	225	0.083	<20	2.05	0.014	0.06	0.2	0.04	4.5	0.3	<0.05	7
L300N-1050E	Soil	7	30	0.69	159	0.134	<20	2.47	0.012	0.10	0.2	0.03	3.7	0.2	<0.05	10
L300N-1100E	Soil	21	21	0.55	449	0.074	<20	1.76	0.015	0.15	0.2	0.05	5.6	0.3	<0.05	6
L300N-1150E	Soil	26	6	0.44	1218	0.035	<20	1.27	0.009	0.24	0.2	0.11	8.3	0.5	<0.05	4
L300N-1200E	Soil	26	11	0.67	1119	0.091	<20	1.86	0.017	0.36	0.2	0.07	7.9	0.5	<0.05	6
L300N-1250E	Soil	23	6	0.51	882	0.062	<20	1.29	0.012	0.31	0.3	0.09	6.6	0.5	<0.05	5
L300N-1300E	Soil	23	6	0.52	847	0.076	<20	1.27	0.011	0.34	0.4	0.11	7.1	0.6	<0.05	5
L300N-1350E	Soil	16	25	0.52	321	0.089	<20	1.29	0.014	0.13	1.9	0.04	4.4	0.3	<0.05	4
L300N-1400E	Soil	20	20	0.47	283	0.047	<20	1.28	0.015	0.11	0.4	0.10	3.5	0.3	<0.05	4
L300N-1450E	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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Method Analyte Unit MDL		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
L300N-1500E	Soil	2.3	20.5	65.0	238	0.3	15.1	8.3	735	2.80	38.7	3.3	3.3	2.6	38	1.5	0.7	0.5	63	0.40
L300N-1550E	Soil	4.7	20.0	130.3	187	1.3	13.4	19.7	4659	3.82	32.8	5.0	5.1	2.8	44	1.0	1.2	1.0	67	0.47
L300N-1600E	Soil	2.1	27.1	90.1	208	2.1	13.7	6.3	314	2.79	29.4	7.7	3.1	8.6	42	0.9	1.0	1.2	78	0.56
L300N-1700E	Soil	1.0	25.4	54.1	124	0.5	21.6	11.2	573	3.47	13.5	4.2	3.3	9.0	29	0.4	0.7	0.5	72	0.40
L300N-1750E	Soil	1.6	14.7	99.3	107	0.7	14.9	6.1	287	2.42	14.0	1.5	2.0	1.5	19	0.6	0.8	0.3	59	0.23
L300N-1800E	Soil	1.1	38.6	341.2	383	2.0	22.5	9.3	773	3.00	21.2	2.5	12.6	4.5	27	0.6	2.6	0.3	64	0.34
L300N-1850E	Soil	2.7	19.1	114.8	333	0.6	10.0	16.2	3381	3.82	23.0	5.3	2.3	18.9	32	2.6	3.3	0.2	54	0.44
L300N-1900E	Soil	1.1	18.1	90.9	182	0.5	16.3	9.3	613	2.69	22.5	1.5	4.5	1.8	12	0.8	1.3	0.4	59	0.18
L300N-1950E	Soil	1.0	25.1	57.1	219	0.3	18.1	10.6	253	3.15	17.8	4.5	1.6	9.9	25	1.0	1.0	0.2	80	0.34
L300N-2050E	Soil	0.6	22.1	66.4	163	0.4	20.2	14.1	531	3.65	52.1	3.3	17.8	11.4	26	0.9	1.1	0.2	84	0.40
L300N-2100E	Soil	0.6	12.2	35.5	99	0.2	15.3	8.4	300	2.90	13.8	2.1	1.7	6.6	25	0.3	0.6	0.1	64	0.40
L300N-2350E	Soil	0.6	12.1	27.1	104	0.2	21.0	11.5	374	2.98	10.6	1.5	0.8	5.3	22	0.3	0.4	0.2	73	0.36
L300N-2400E	Soil	0.8	10.7	42.0	155	0.2	17.0	12.7	1277	3.21	12.9	1.2	0.9	4.7	21	0.5	0.4	0.2	69	0.30
L300N-2500E	Soil	1.2	15.4	52.9	149	0.6	12.6	8.1	883	2.41	17.9	2.0	2.7	2.8	19	2.5	0.7	0.2	63	0.21
L300N-2600E	Soil	1.2	18.1	43.9	176	1.1	15.8	13.8	1278	3.34	21.4	6.9	2.9	5.1	29	1.4	0.7	0.2	75	0.37
L300N-2650E	Soil	0.9	27.8	55.0	200	0.5	13.5	13.5	1255	3.20	20.5	3.7	1.4	9.7	24	1.2	0.6	0.2	70	0.34
L300N-2750E	Soil	0.9	13.2	21.8	152	0.2	11.3	8.9	623	2.56	11.8	2.5	2.9	3.5	22	0.7	0.5	0.2	62	0.30
L300N-2850E	Soil	1.1	20.2	42.6	170	1.1	16.0	10.6	729	3.05	17.3	8.1	2.2	5.6	29	0.9	0.5	0.4	68	0.43
L300N-2900E	Soil	1.3	21.2	54.6	188	1.6	17.5	9.3	771	2.65	22.1	9.2	2.8	2.9	38	1.8	0.6	0.6	59	0.47
L300N-2950E	Soil	1.3	19.8	68.7	207	2.0	18.5	15.7	1893	3.44	25.6	9.9	1.7	4.8	45	1.7	0.6	0.5	78	0.57
L350N-S0E	Soil	1.7	14.0	23.8	87	0.1	16.0	7.1	352	2.74	6.5	2.3	1.6	3.9	30	0.4	0.3	0.3	74	0.33
L350N-S50E	Soil	1.6	22.5	26.0	119	0.7	18.1	10.1	680	2.80	7.1	8.5	1.8	4.0	49	1.1	0.6	0.4	64	0.55
L350N-S100E	Soil	1.5	11.4	26.9	101	0.3	13.7	9.5	457	2.73	6.7	2.2	1.1	4.5	20	0.3	0.5	0.3	65	0.26
L350N-S150E	Soil	5.0	23.9	74.6	273	0.8	9.8	8.9	1146	3.07	10.4	10.8	2.5	15.2	37	2.2	1.4	0.9	38	0.59
L350N-S200E	Soil	3.1	16.6	69.9	126	0.4	17.6	10.9	603	2.98	7.3	6.1	1.5	6.8	37	0.5	0.6	0.4	67	0.37
L350N-S400E	Soil	1.5	14.8	34.3	113	0.2	12.0	9.8	617	2.61	11.0	4.2	2.3	3.6	67	1.3	0.4	0.3	65	0.79
L350N-S550E	Soil	1.4	28.7	1147	265	2.3	17.8	9.0	614	3.05	20.3	8.4	2.2	3.6	64	1.3	2.0	0.5	66	0.85
L350N-S600E	Soil	1.0	15.7	47.7	153	0.2	13.3	8.1	502	2.36	15.1	4.7	1.2	2.7	60	1.1	0.6	0.4	54	0.80
L350N-S650E	Soil	0.8	16.9	111.8	222	0.6	13.8	10.8	855	2.92	17.7	5.3	5.5	4.3	45	1.4	0.9	0.5	64	0.64
L350N-S750E	Soil	1.2	27.1	111.0	186	0.9	17.3	10.8	851	2.95	17.6	5.4	4.7	3.4	41	2.0	1.0	0.9	71	0.50

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L300N-1500E	Soil	15	29	0.51	246	0.029	<20	1.85	0.010	0.08	0.2	0.05	3.5	0.2	<0.05	6
L300N-1550E	Soil	27	29	0.49	344	0.029	<20	1.87	0.014	0.05	0.4	0.10	3.6	0.5	<0.05	6
L300N-1600E	Soil	29	29	0.57	328	0.043	<20	2.28	0.015	0.12	0.7	0.11	6.8	0.8	0.05	8
L300N-1700E	Soil	24	36	0.67	410	0.103	<20	2.16	0.014	0.09	0.1	0.04	7.3	0.4	<0.05	7
L300N-1750E	Soil	11	29	0.47	276	0.061	<20	1.80	0.012	0.06	<0.1	0.05	3.0	0.2	<0.05	7
L300N-1800E	Soil	23	39	0.54	1155	0.040	<20	2.19	0.012	0.06	0.1	0.14	7.9	0.4	<0.05	6
L300N-1850E	Soil	30	14	0.37	548	0.013	<20	1.44	0.006	0.10	<0.1	0.06	7.9	1.1	<0.05	4
L300N-1900E	Soil	12	28	0.48	152	0.047	<20	1.90	0.015	0.06	0.1	0.07	3.3	0.3	<0.05	6
L300N-1950E	Soil	23	37	0.64	274	0.104	<20	2.22	0.010	0.07	<0.1	0.03	7.4	0.3	<0.05	7
L300N-2050E	Soil	22	36	0.65	295	0.114	<20	1.98	0.016	0.08	<0.1	0.03	7.3	0.2	<0.05	6
L300N-2100E	Soil	14	29	0.54	207	0.080	<20	1.71	0.024	0.05	0.4	0.04	4.5	0.2	<0.05	6
L300N-2350E	Soil	12	33	0.66	183	0.095	<20	2.03	0.014	0.06	0.1	0.03	4.0	0.2	<0.05	7
L300N-2400E	Soil	10	30	0.53	113	0.068	<20	1.70	0.012	0.07	0.1	0.02	3.2	0.2	<0.05	6
L300N-2500E	Soil	12	21	0.41	163	0.065	<20	1.20	0.020	0.07	0.3	0.03	2.6	0.1	<0.05	6
L300N-2600E	Soil	26	31	0.57	282	0.060	<20	1.88	0.017	0.08	0.2	0.09	5.8	0.2	<0.05	7
L300N-2650E	Soil	20	23	0.61	260	0.075	<20	1.67	0.015	0.10	0.2	0.03	5.3	0.2	<0.05	6
L300N-2750E	Soil	14	21	0.54	261	0.066	<20	1.50	0.013	0.06	0.4	0.02	3.4	0.1	<0.05	6
L300N-2850E	Soil	26	28	0.59	320	0.079	<20	1.82	0.014	0.09	0.2	0.07	5.9	0.2	<0.05	6
L300N-2900E	Soil	33	27	0.51	407	0.053	<20	1.77	0.016	0.07	0.2	0.07	4.9	0.2	<0.05	6
L300N-2950E	Soil	36	29	0.58	520	0.066	<20	2.06	0.017	0.08	0.1	0.07	5.8	0.2	<0.05	7
L350N-S0E	Soil	13	30	0.55	181	0.098	<20	1.93	0.010	0.05	0.2	0.02	3.3	0.2	<0.05	7
L350N-S50E	Soil	29	32	0.54	315	0.076	<20	1.97	0.016	0.08	0.2	0.07	5.0	0.2	<0.05	6
L350N-S100E	Soil	11	26	0.52	133	0.079	<20	1.77	0.009	0.06	0.2	0.04	3.2	0.2	<0.05	6
L350N-S150E	Soil	34	12	0.33	284	0.024	<20	0.84	0.012	0.17	0.4	0.05	6.4	0.3	<0.05	3
L350N-S200E	Soil	25	32	0.53	295	0.069	<20	2.04	0.015	0.11	0.2	0.09	5.7	0.2	<0.05	7
L350N-S400E	Soil	17	22	0.47	252	0.087	<20	1.42	0.018	0.08	0.3	0.04	3.8	0.2	<0.05	5
L350N-S550E	Soil	43	30	0.55	343	0.065	<20	2.16	0.015	0.09	0.2	0.12	5.4	0.2	<0.05	6
L350N-S600E	Soil	26	24	0.53	256	0.061	<20	1.62	0.015	0.07	0.2	0.06	4.0	0.2	<0.05	5
L350N-S650E	Soil	25	25	0.60	334	0.079	<20	1.75	0.015	0.17	0.2	0.06	4.9	0.2	<0.05	6
L350N-S750E	Soil	25	27	0.56	353	0.082	<20	1.93	0.015	0.11	0.4	0.05	4.5	0.2	<0.05	6

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Method Analyte Unit MDL		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																				
L0-300	Soil	1.6	15.3	85.9	346	1.0	20.8	11.1	1552	2.95	7.5	4.1	1.1	13.6	16	1.2	0.9	0.3	53	0.20
REP L0-300	QC	1.4	14.5	80.3	331	0.9	20.5	10.8	1442	2.79	7.2	4.0	2.6	13.2	16	1.2	0.8	0.3	51	0.21
L0-1750	Soil	1.4	16.3	60.6	122	0.5	15.9	9.0	829	2.65	17.9	1.7	2.8	2.5	22	0.5	1.0	0.3	54	0.27
REP L0-1750	QC	1.5	17.2	64.8	124	0.5	17.3	9.6	852	2.72	18.2	1.7	5.1	2.7	23	0.4	1.2	0.3	58	0.28
L0N-2400E	Soil	1.2	13.3	21.1	89	0.2	16.2	10.1	406	3.17	11.9	2.4	3.0	6.5	21	0.2	0.4	0.2	73	0.34
REP L0N-2400E	QC	1.4	14.4	21.2	88	0.2	16.2	10.6	392	3.12	11.9	2.5	0.6	6.3	20	0.2	0.4	0.2	74	0.32
L50N-950E	Soil	1.2	334.0	3174	1094	6.5	5.0	10.4	4555	3.23	64.3	5.8	33.2	13.3	21	7.3	41.9	1.7	40	0.23
REP L50N-950E	QC	1.2	364.5	3422	1106	8.2	5.5	10.9	4783	3.37	67.9	6.0	15.8	14.2	23	7.4	47.4	2.4	41	0.27
L50N-1500E	Soil	1.4	15.5	37.1	130	0.4	17.3	8.1	427	2.65	11.1	3.0	1.2	7.2	23	0.5	0.6	0.5	62	0.35
REP L50N-1500E	QC	1.8	15.5	37.7	133	0.3	17.2	8.1	415	2.56	11.5	3.1	2.1	6.8	24	0.5	0.6	0.4	61	0.37
L100N-S50E	Soil	1.9	11.9	13.0	39	<0.1	12.0	5.7	213	2.61	7.2	0.6	<0.5	2.7	9	0.2	0.3	0.4	75	0.09
REP L100N-S50E	QC	1.8	11.0	13.1	38	<0.1	11.1	5.3	209	2.58	7.5	0.6	<0.5	2.7	9	0.2	0.2	0.4	70	0.08
L100N-S1600E	Soil	9.1	15.2	64.2	125	0.3	16.5	9.4	430	3.03	31.2	3.7	6.7	7.8	24	0.4	0.8	0.4	75	0.37
REP L100N-S1600E	QC	9.4	17.4	65.6	138	0.4	17.4	9.8	446	3.18	33.1	3.7	3.1	8.0	25	0.5	0.8	0.5	75	0.39
L100N-2650E	Soil	2.2	18.1	27.4	73	0.4	12.1	14.3	4308	2.44	4.1	7.8	1.0	3.2	41	1.4	0.8	<0.1	42	0.59
REP L100N-2650E	QC	2.3	19.9	29.0	78	0.5	13.6	16.0	4440	2.47	4.3	8.8	2.7	2.7	49	1.4	0.8	<0.1	43	0.64
L150N-450E	Soil	2.0	20.2	39.3	137	0.4	13.0	7.8	501	2.38	10.7	5.2	1.4	3.6	55	0.8	0.7	0.4	58	0.71
REP L150N-450E	QC	2.1	20.1	40.4	144	0.4	14.1	7.6	498	2.44	10.8	5.2	1.0	3.9	56	0.7	0.7	0.3	59	0.73
L150N-1800E	Soil	2.7	21.4	29.0	148	<0.1	20.6	14.5	5527	4.43	104.9	3.3	2.6	6.2	29	0.4	2.2	0.1	42	0.37
REP L150N-1800E	QC	2.7	23.7	30.3	158	0.1	20.5	14.7	5756	4.67	110.5	3.6	2.8	6.4	31	0.4	2.3	0.1	44	0.40
L200-0E	Soil	1.1	20.6	12.4	64	<0.1	27.0	13.1	470	3.35	9.7	3.8	2.1	8.2	16	0.3	0.4	0.2	76	0.18
REP L200-0E	QC	1.1	20.3	13.1	63	<0.1	27.1	12.0	486	3.46	9.5	3.9	1.5	8.7	17	0.2	0.4	0.2	78	0.19
L200-500E	Soil	2.2	21.0	126.0	190	0.5	14.6	9.3	880	2.47	14.5	5.5	1.4	2.3	74	1.1	1.0	0.4	63	0.94
REP L200-500E	QC	2.4	24.0	133.0	215	0.5	16.1	9.7	903	2.65	15.7	5.7	2.0	2.6	80	1.2	1.0	0.5	66	1.00
L200S-1400E	Soil	1.6	14.1	83.0	132	0.9	12.6	6.8	378	2.82	22.1	1.9	2.2	4.6	29	0.7	0.8	0.3	81	0.41
REP L200S-1400E	QC	1.8	14.8	82.8	142	0.8	14.7	6.5	395	2.88	21.7	1.8	1.5	5.1	30	0.7	0.8	0.3	85	0.38
L250N-S200E	Soil	1.1	7.7	12.5	51	0.1	7.9	7.3	448	2.89	4.8	0.9	<0.5	7.3	10	0.1	0.3	0.9	62	0.15
REP L250N-S200E	QC	1.1	8.6	13.1	56	0.1	8.2	7.3	472	3.02	4.8	0.8	33.0	8.4	11	0.2	0.4	1.5	64	0.16

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Method Analyte Unit MDL		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
Pulp Duplicates																
L0-300	Soil	21	29	0.50	219	0.034	<20	1.96	0.008	0.07	0.2	0.07	3.9	0.3	<0.05	5
REP L0-300	QC	20	28	0.49	206	0.035	<20	1.89	0.009	0.07	0.1	0.06	3.6	0.3	<0.05	5
L0-1750	Soil	15	27	0.50	284	0.036	<20	1.68	0.008	0.06	0.3	0.04	3.4	0.2	<0.05	5
REP L0-1750	QC	15	28	0.48	294	0.036	<20	1.74	0.009	0.06	0.1	0.04	3.7	0.2	<0.05	5
L0N-2400E	Soil	17	30	0.64	237	0.088	<20	2.04	0.010	0.06	0.1	0.06	5.1	0.2	<0.05	6
REP L0N-2400E	QC	16	30	0.63	238	0.087	<20	2.00	0.011	0.06	0.1	0.04	5.1	0.2	<0.05	6
L50N-950E	Soil	21	7	0.39	766	0.041	<20	0.91	0.012	0.21	0.4	0.06	5.3	0.4	<0.05	3
REP L50N-950E	QC	23	8	0.40	798	0.042	<20	0.98	0.012	0.21	0.3	0.08	5.4	0.5	<0.05	4
L50N-1500E	Soil	12	35	0.57	238	0.096	<20	1.73	0.011	0.07	0.2	0.03	4.3	0.2	<0.05	6
REP L50N-1500E	QC	13	35	0.57	239	0.096	<20	1.70	0.009	0.07	0.2	0.03	4.5	0.2	<0.05	5
L100N-S50E	Soil	10	23	0.29	95	0.031	<20	1.68	0.008	0.04	<0.1	0.01	2.1	0.1	<0.05	8
REP L100N-S50E	QC	10	22	0.29	96	0.032	<20	1.61	0.009	0.04	0.1	0.01	2.1	0.1	<0.05	7
L100N-S1600E	Soil	14	30	0.61	284	0.095	<20	1.84	0.016	0.11	0.1	0.04	4.4	0.2	<0.05	6
REP L100N-S1600E	QC	14	32	0.63	298	0.100	<20	1.97	0.017	0.11	0.1	0.05	4.8	0.3	<0.05	6
L100N-2650E	Soil	38	16	0.45	482	0.049	<20	1.06	0.037	0.16	<0.1	0.09	3.4	0.2	0.10	3
REP L100N-2650E	QC	41	18	0.48	532	0.052	<20	1.09	0.041	0.17	0.2	0.09	3.5	0.2	0.10	3
L150N-450E	Soil	35	22	0.48	294	0.062	<20	1.48	0.011	0.07	0.2	0.04	3.8	0.2	<0.05	5
REP L150N-450E	QC	36	23	0.49	294	0.062	<20	1.54	0.011	0.07	0.2	0.04	3.8	0.2	0.05	6
L150N-1800E	Soil	52	11	0.12	688	0.002	<20	0.63	0.005	0.15	<0.1	0.03	9.1	0.4	<0.05	2
REP L150N-1800E	QC	54	12	0.12	732	0.002	<20	0.65	0.006	0.15	<0.1	0.03	9.5	0.5	<0.05	2
L200-0E	Soil	14	37	0.63	138	0.089	<20	2.75	0.014	0.07	0.1	0.05	5.3	0.1	<0.05	7
REP L200-0E	QC	15	37	0.68	140	0.093	<20	2.65	0.014	0.06	0.1	0.03	5.4	0.2	<0.05	6
L200-500E	Soil	33	23	0.57	349	0.057	<20	1.53	0.019	0.09	0.2	0.05	3.4	0.2	<0.05	5
REP L200-500E	QC	35	25	0.54	361	0.064	<20	1.70	0.018	0.10	0.2	0.07	3.6	0.2	<0.05	5
L200S-1400E	Soil	12	26	0.47	208	0.065	<20	1.76	0.013	0.08	0.1	0.03	3.3	0.2	<0.05	7
REP L200S-1400E	QC	11	24	0.50	202	0.064	<20	1.67	0.012	0.08	0.2	0.03	3.4	0.2	<0.05	7
L250N-S200E	Soil	15	15	0.33	59	0.012	<20	1.53	0.007	0.07	0.5	0.04	2.6	0.3	<0.05	6
REP L250N-S200E	QC	18	15	0.37	59	0.013	<20	1.59	0.008	0.08	0.6	0.03	2.6	0.2	<0.05	7

Client: **Aurora Geosciences Ltd. (Whitehorse)**

34A Laberge Road.
Whitehorse YT Y1A 6J3 Canada

Project: Cassino: WRN-7516-YT

Report Date: October 19, 2007

Page: 2 of 3 **Part** 1

QUALITY CONTROL REPORT

VAN07000881.1

		1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX U ppm 0.1	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001
L250N-S1800E	Soil	1.3	14.3	212.8	252	1.6	15.6	10.8	1029	3.06	17.6	2.8	1.0	2.3	15	1.0	1.6	0.4	61	0.19	0.062
REP L250N-S1800E	QC	1.4	15.5	207.6	264	1.6	14.9	10.8	1017	3.16	17.6	2.8	2.2	2.2	15	0.9	1.5	0.4	62	0.19	0.058
L300N-500E	Soil	1.5	21.0	51.5	166	0.6	14.4	7.5	387	2.61	14.1	4.9	1.2	3.2	92	1.0	0.7	0.4	61	1.26	0.065
REP L300N-500E	QC	1.6	22.0	56.5	187	0.6	13.8	7.4	400	2.63	14.1	5.2	1.2	3.3	90	0.9	0.7	0.4	58	1.27	0.063
L300N-850E	Soil	1.1	23.4	117.6	229	1.1	14.1	10.1	795	2.83	17.5	3.2	3.7	3.6	32	1.3	1.5	0.9	66	0.41	0.048
REP L300N-850E	QC	1.1	24.3	134.4	231	1.0	14.1	9.7	821	2.84	17.6	3.4	3.2	3.6	32	1.1	1.3	0.9	65	0.44	0.049
L350N-S200E	Soil	3.1	16.6	69.9	126	0.4	17.6	10.9	603	2.98	7.3	6.1	1.5	6.8	37	0.5	0.6	0.4	67	0.37	0.042
REP L350N-S200E	QC	3.2	16.3	73.9	125	0.4	17.2	10.5	591	2.99	7.1	6.4	2.3	7.1	36	0.6	0.6	0.4	69	0.39	0.043
L350N-S400E	Soil	1.5	14.8	34.3	113	0.2	12.0	9.8	617	2.61	11.0	4.2	2.3	3.6	67	1.3	0.4	0.3	65	0.79	0.044
REP L350N-S400E	QC	1.5	14.0	33.2	112	0.1	12.3	10.0	614	2.60	10.7	4.1	0.8	3.9	65	1.3	0.4	0.3	65	0.77	0.044
Reference Materials																					
STD DS7	Standard	20.4	130.5	64.4	409	0.7	58.8	8.5	584	2.32	43.6	4.6	51.7	3.8	70	5.5	5.2	4.0	88	0.86	0.076
STD DS7	Standard	22.0	107.5	63.8	420	0.8	58.5	10.0	642	2.48	50.8	4.5	58.9	4.1	69	6.3	5.0	4.3	90	0.92	0.074
STD DS7	Standard	22.9	118.4	69.5	451	0.9	61.6	10.8	662	2.61	56.0	4.7	97.3	4.1	76	6.7	5.6	4.8	94	0.99	0.078
STD DS7	Standard	21.4	100.6	59.4	403	2.4	57.3	9.5	611	2.35	46.4	4.7	55.4	3.7	68	6.2	4.5	3.9	86	0.90	0.071
STD DS7	Standard	20.4	107.1	55.9	408	0.9	56.1	10.1	632	2.48	50.6	4.0	74.0	3.5	71	6.9	5.0	4.2	86	0.93	0.081
STD DS7	Standard	22.8	120.0	75.8	445	1.0	63.5	10.9	660	2.62	55.1	5.0	55.1	4.1	80	6.2	5.4	4.9	96	0.94	0.087
STD DS7	Standard	19.4	107.9	65.3	420	0.8	60.2	9.8	669	2.49	46.0	4.6	54.1	4.4	75	6.0	4.8	4.3	95	0.97	0.080
STD DS7	Standard	22.8	120.2	67.1	398	0.8	57.1	9.3	603	2.35	50.4	4.9	54.1	4.4	72	6.2	4.7	4.4	80	0.92	0.076
STD DS7	Standard	21.6	106.1	71.5	415	0.8	57.3	9.6	656	2.42	52.6	5.2	55.1	5.0	77	6.9	5.3	5.0	93	0.99	0.076
STD DS7	Standard	21.2	111.0	66.2	422	0.9	59.1	9.8	638	2.40	49.2	4.6	57.9	3.9	69	6.9	5.2	4.5	86	0.91	0.074
STD DS7 Expected		20.92	109	70.6	411	0.89	56	9.7	627	2.39	48.2	4.9	70	4.4	68.7	6.38	5.86	4.51	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
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

QUALITY CONTROL REPORT

VAN07000881.1

		1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Ti ppm 0.1	1DX S % 0.05	1DX Ga ppm 1	1DX Se ppm 0.5
L250N-S1800E	Soil	12	28	0.48	401	0.027	<20	2.18	0.009	0.06	<0.1	0.06	2.9	0.4	<0.05	7	0.5
REP L250N-S1800E	QC	12	28	0.45	405	0.027	<20	2.09	0.009	0.06	<0.1	0.06	3.1	0.4	<0.05	7	<0.5
L300N-500E	Soil	20	25	0.53	321	0.066	<20	1.61	0.019	0.10	0.1	0.03	4.0	0.2	0.08	5	<0.5
REP L300N-500E	QC	22	26	0.56	324	0.066	<20	1.70	0.022	0.09	0.1	0.04	4.0	0.2	0.08	6	<0.5
L300N-850E	Soil	16	25	0.55	325	0.075	<20	1.69	0.012	0.08	0.2	0.05	3.7	0.2	<0.05	6	<0.5
REP L300N-850E	QC	17	25	0.56	344	0.078	<20	1.71	0.013	0.08	0.2	0.04	3.7	0.2	<0.05	6	<0.5
L350N-S200E	Soil	25	32	0.53	295	0.069	<20	2.04	0.015	0.11	0.2	0.09	5.7	0.2	<0.05	7	<0.5
REP L350N-S200E	QC	24	32	0.53	300	0.069	<20	2.06	0.015	0.11	0.2	0.08	5.9	0.2	<0.05	7	<0.5
L350N-S400E	Soil	17	22	0.47	252	0.087	<20	1.42	0.018	0.08	0.3	0.04	3.8	0.2	<0.05	5	<0.5
REP L350N-S400E	QC	18	22	0.47	244	0.087	<20	1.45	0.018	0.08	0.3	0.03	3.9	0.2	<0.05	5	<0.5
Reference Materials																	
STD DS7	Standard	11	196	1.04	358	0.118	28	0.97	0.095	0.43	3.5	0.20	2.2	4.0	0.18	5	3.3
STD DS7	Standard	11	202	1.05	382	0.128	29	0.99	0.081	0.44	3.8	0.20	2.6	4.2	0.21	5	3.8
STD DS7	Standard	12	209	1.14	426	0.143	40	1.09	0.094	0.48	4.4	0.24	2.8	4.8	0.24	5	3.8
STD DS7	Standard	12	200	1.02	369	0.130	42	0.97	0.085	0.42	3.4	0.18	2.5	4.2	0.20	5	3.7
STD DS7	Standard	12	188	1.06	423	0.122	35	1.01	0.089	0.47	3.8	0.20	2.7	4.5	0.19	5	3.9
STD DS7	Standard	12	226	1.16	444	0.127	47	1.02	0.097	0.50	4.1	0.21	2.7	4.4	0.21	5	2.8
STD DS7	Standard	12	209	1.13	364	0.133	36	1.02	0.092	0.46	3.3	0.19	2.6	4.3	0.23	5	4.3
STD DS7	Standard	12	190	1.00	392	0.118	31	0.99	0.089	0.45	3.5	0.19	2.7	4.1	0.19	5	3.2
STD DS7	Standard	13	207	1.06	391	0.125	45	1.03	0.101	0.50	3.9	0.19	2.9	5.1	0.20	5	4.5
STD DS7	Standard	12	196	1.07	408	0.129	35	1.02	0.086	0.44	4.1	0.23	2.5	4.5	0.21	5	3.9
STD DS7 Expected		12.7	163	1.05	370.3	0.124	38.6	0.959	0.073	0.44	3.8	0.2	2.5	4.19	0.21	4.6	3.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<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	<20	<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	<20	<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	<20	<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	<20	<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	<20	<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	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5

Client: **Aurora Geosciences Ltd. (Whitehorse)**
 34A Laberge Road.
 Whitehorse YT Y1A 6J3 Canada

Project: Cassino: WRN-7516-YT
Report Date: October 19, 2007

Page: 3 of 3 **Part** 1

QUALITY CONTROL REPORT

VAN07000881.1

		1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX U ppm 0.1	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 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

Client: **Aurora Geosciences Ltd. (Whitehorse)**

34A Laberge Road.
 Whitehorse YT Y1A 6J3 Canada

Project: Cassino: WRN-7516-YT

Report Date: October 19, 2007

Page: 3 of 3 **Part** 2

QUALITY CONTROL REPORT

VAN07000881.1

		1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Ti ppm 0.1	1DX S % 0.05	1DX Ga ppm 1	1DX Se ppm 0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<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	<20	<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	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5

Client: **Aurora Geosciences Ltd. (Whitehorse)**

34A Laberge Road.
Whitehorse YT Y1A 6J3 Canada

Submitted By: Mike Wark

Receiving Lab: Acme Analytical Laboratories (Vancouver) Ltd.

Received: August 31, 2007

Report Date: November 12, 2007

Page: 1 of 12

CERTIFICATE OF ANALYSIS

VAN07000883.1

CLIENT JOB INFORMATION

Project: Cassino: WRN-7516-YT
Shipment ID:
P.O. Number
Number of Samples: 330

SAMPLE DISPOSAL

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

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

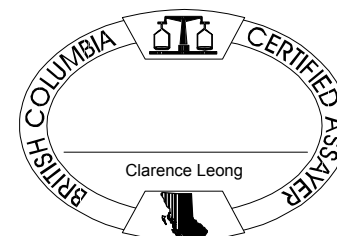
Invoice To: Aurora Geosciences Ltd. (Whitehorse)
34A Laberge Road.
Whitehorse YT Y1A 6J3
Canada

CC: Dave Hildes

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
SS80	329	Dry at 60C sieve 100g to -80 mesh		
Split Reject	329	Reject sample split/packet		
1DX	329	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed

ADDITIONAL COMMENTS





852 E. Hastings St. Vancouver BC V6A 1R6 Canada
Phone (604) 253-3158 Fax (604) 253-1716

ACME ANALYTICAL LABORATORIES LTD.

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Client:

Aurora Geosciences Ltd. (Whitehorse)

34A Laberge Road.
Whitehorse YT Y1A 6J3 Canada

Project:

Cassino: WRN-7516-YT

Report Date:

November 12, 2007

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Part 1

CERTIFICATE OF ANALYSIS

VAN07000883.1

	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
L350N S800E	Soil	0.8	15.7	73.2	194	0.3	11.7	10.1	723	2.73	16.3	3.6	3.1	5.2	40	1.5	0.8	0.7	61	0.56
L350N S850E	Soil	1.1	23.5	115.8	199	0.7	15.5	11.3	851	3.06	14.9	5.3	3.8	12.5	23	0.9	1.1	0.9	70	0.32
L350N S900E	Soil	1.0	74.7	956.4	341	7.2	16.1	8.3	632	2.84	22.1	5.6	10.3	5.0	47	3.1	7.0	1.1	63	0.66
L350N S1000E	Soil	1.0	26.2	88.5	159	0.4	16.0	8.6	860	2.34	8.3	5.1	2.2	3.4	64	1.6	1.2	0.6	55	0.85
L350N S1050E	Soil	0.7	21.9	37.1	108	0.5	21.2	11.7	468	3.32	9.6	2.1	2.0	6.5	16	0.6	0.6	0.4	84	0.23
L350N S1100E	Soil	0.5	46.5	6240	616	4.1	3.6	10.4	1969	3.36	87.8	5.7	39.5	15.4	16	3.5	50.3	0.3	56	0.26
L350N S1150E	Soil	0.9	169.8	1737	1545	6.1	5.8	13.1	3777	3.73	38.9	6.3	14.1	13.8	25	10.0	15.7	0.9	55	0.34
L350N S1200E	Soil	1.0	188.2	1569	1279	7.7	6.2	14.1	2331	3.70	24.1	6.4	15.5	15.6	21	8.2	12.9	0.9	57	0.33
L350N S1250E	Soil	1.5	572.9	5744	2029	16.1	3.4	13.8	>10000	4.51	106.9	10.3	35.3	14.5	32	18.1	55.4	2.4	29	0.21
L350N S1300E	Soil	1.4	744.4	3968	1736	10.9	4.1	16.8	6049	3.79	58.6	10.1	16.8	13.2	24	9.9	21.5	0.5	38	0.28
L350N S1350E	Soil	1.6	492.5	5334	1220	11.8	7.9	12.2	3399	4.05	84.8	8.4	34.3	10.9	23	6.5	61.4	4.5	61	0.31
L350N S1400E	Soil	2.1	23.1	259.3	317	1.9	13.4	10.2	1434	2.99	31.0	5.6	6.2	6.0	35	2.1	2.2	0.5	62	0.52
L350N S1550E	Soil	1.1	17.3	44.5	133	1.1	12.0	7.0	469	2.58	54.2	4.3	13.6	9.1	41	0.7	0.7	0.4	65	0.55
L350N S1600E	Soil	1.7	21.2	39.1	123	0.9	20.4	11.8	1000	3.02	27.1	3.3	3.1	3.6	35	0.3	0.5	0.3	67	0.43
L350N S1650E	Soil	1.9	29.4	52.6	169	0.8	25.8	9.3	544	2.91	13.6	3.6	3.4	8.7	36	0.7	0.6	0.4	71	0.55
L350N S1700E	Soil	1.1	16.2	53.8	116	0.5	18.9	8.7	396	2.74	16.0	2.8	1.7	5.6	33	0.6	0.9	0.2	79	0.50
L350N S1750E	Soil	2.8	18.9	39.1	97	0.6	20.9	13.9	269	4.27	29.5	4.2	2.7	7.9	30	0.3	0.7	0.3	79	0.45
L350N S1800E	Soil	1.7	14.9	205.6	180	1.1	15.1	10.0	633	3.16	35.0	1.4	2.7	2.9	15	0.6	1.8	0.4	68	0.19
L350N S1850E	Soil	1.0	14.0	39.7	83	0.4	15.6	7.9	220	3.57	17.6	1.1	1.6	2.8	12	0.7	0.5	0.2	68	0.16
L350N S1900E	Soil	0.9	22.8	87.0	178	0.6	19.4	11.2	714	3.17	13.9	1.8	2.9	4.5	19	0.7	1.3	0.3	73	0.28
L350N S1950E	Soil	1.0	18.2	53.1	154	0.1	16.6	11.6	716	3.05	15.1	2.2	5.5	8.2	21	0.5	0.9	0.2	69	0.28
L350N 2000E	Soil	0.6	27.8	69.3	182	0.4	25.3	14.4	750	3.40	19.8	3.1	1.6	11.1	31	0.8	0.8	0.3	82	0.43
L350N 2050E	Soil	0.7	27.6	49.6	140	0.3	23.8	12.8	602	3.33	13.5	4.0	5.0	10.2	31	0.4	0.6	0.2	78	0.43
L350N 2100E	Soil	0.5	15.4	49.0	121	0.5	15.6	8.9	294	2.53	6.5	2.4	3.5	4.7	26	0.4	0.8	0.2	60	0.40
L350N 2150E	Soil	0.8	20.9	45.1	132	0.4	21.6	12.3	1063	3.18	9.5	3.1	8.8	10.2	30	0.4	1.3	0.2	73	0.47
L350N 2250E	Soil	0.5	15.6	28.3	86	0.2	18.4	10.4	290	2.97	11.6	2.5	1.7	6.4	22	0.2	0.5	0.2	71	0.31
L350N 2300E	Soil	0.4	13.4	21.0	84	0.1	17.6	8.3	235	2.58	7.1	2.7	2.2	5.5	22	0.2	0.3	0.2	65	0.32
L350N 2350E	Soil	0.8	14.9	20.6	84	0.2	18.5	14.0	1655	2.99	8.1	3.2	7.1	4.9	21	0.3	0.3	0.2	63	0.30
L350N 2400E	Soil	1.2	12.6	45.5	175	<0.1	14.7	16.4	2837	3.74	16.0	2.5	0.7	11.7	22	0.5	0.7	0.3	66	0.33
L350N 2450E	Soil	0.4	15.8	21.9	117	<0.1	12.8	12.1	974	3.87	7.9	2.1	<0.5	15.8	25	0.3	0.6	0.2	87	0.45

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L350N S800E	Soil	17	21	0.54	224	0.072	<20	1.53	0.012	0.07	0.2	0.04	4.3	0.2	<0.05	5
L350N S850E	Soil	22	28	0.62	240	0.085	<20	1.95	0.015	0.12	0.1	0.04	4.4	0.2	<0.05	7
L350N S900E	Soil	25	29	0.56	345	0.064	<20	1.84	0.016	0.09	0.2	0.10	4.8	0.2	<0.05	6
L350N S1000E	Soil	28	25	0.52	361	0.061	<20	1.66	0.014	0.07	0.1	0.06	4.2	0.2	0.05	5
L350N S1050E	Soil	16	34	0.64	208	0.109	<20	2.50	0.014	0.09	0.1	0.03	4.7	0.2	<0.05	7
L350N S1100E	Soil	25	7	0.46	521	0.041	<20	1.71	0.015	0.27	<0.1	0.05	7.7	0.4	<0.05	5
L350N S1150E	Soil	26	7	0.49	878	0.042	<20	1.42	0.013	0.29	0.2	0.08	8.7	0.4	<0.05	4
L350N S1200E	Soil	26	7	0.54	775	0.046	<20	1.47	0.016	0.26	0.1	0.08	8.7	0.4	<0.05	4
L350N S1250E	Soil	24	4	0.22	999	0.007	<20	0.56	0.006	0.19	0.3	0.11	5.9	0.6	0.06	2
L350N S1300E	Soil	28	4	0.35	747	0.011	<20	1.08	0.008	0.20	0.2	0.14	8.4	0.5	<0.05	4
L350N S1350E	Soil	23	13	0.53	694	0.075	<20	1.29	0.012	0.32	0.2	0.11	6.2	0.5	<0.05	5
L350N S1400E	Soil	23	24	0.52	488	0.041	<20	1.89	0.017	0.19	0.2	0.11	5.5	0.4	<0.05	5
L350N S1550E	Soil	31	22	0.53	290	0.063	<20	1.65	0.019	0.13	0.3	0.06	4.7	0.2	<0.05	6
L350N S1600E	Soil	20	33	0.59	302	0.054	<20	2.15	0.017	0.06	0.2	0.04	4.9	0.2	<0.05	6
L350N S1650E	Soil	31	35	0.70	321	0.108	<20	1.99	0.015	0.12	0.2	0.04	7.4	0.3	<0.05	6
L350N S1700E	Soil	19	34	0.58	309	0.042	<20	2.02	0.015	0.07	<0.1	0.05	6.1	0.3	<0.05	6
L350N S1750E	Soil	19	36	0.59	339	0.068	<20	2.11	0.016	0.07	<0.1	0.04	6.9	0.2	<0.05	6
L350N S1800E	Soil	10	31	0.39	176	0.036	<20	2.31	0.008	0.06	0.1	0.07	3.2	0.3	<0.05	6
L350N S1850E	Soil	11	32	0.49	121	0.056	<20	2.28	0.008	0.05	0.1	0.02	3.6	0.2	<0.05	7
L350N S1900E	Soil	16	35	0.55	221	0.068	<20	2.04	0.011	0.08	<0.1	0.04	5.4	0.3	<0.05	6
L350N S1950E	Soil	16	35	0.60	160	0.118	<20	2.02	0.012	0.09	<0.1	0.04	5.0	0.2	<0.05	6
L350N 2000E	Soil	24	42	0.68	309	0.127	<20	2.17	0.020	0.10	<0.1	0.03	8.5	0.3	<0.05	7
L350N 2050E	Soil	26	38	0.66	275	0.112	<20	2.13	0.017	0.07	0.1	0.05	8.0	0.3	<0.05	7
L350N 2100E	Soil	15	28	0.52	173	0.072	<20	1.70	0.013	0.05	<0.1	0.06	4.8	0.2	<0.05	6
L350N 2150E	Soil	16	37	0.71	235	0.135	<20	2.02	0.016	0.10	<0.1	0.04	6.6	0.3	<0.05	7
L350N 2250E	Soil	16	31	0.55	176	0.088	<20	1.85	0.014	0.06	0.2	0.03	4.4	0.2	<0.05	6
L350N 2300E	Soil	15	32	0.60	149	0.089	<20	1.89	0.013	0.05	0.2	0.04	4.1	0.2	<0.05	6
L350N 2350E	Soil	15	32	0.57	181	0.078	<20	1.83	0.013	0.05	<0.1	0.03	4.1	0.1	<0.05	6
L350N 2400E	Soil	19	23	0.49	237	0.064	<20	1.32	0.010	0.08	0.3	0.02	3.5	0.2	<0.05	5
L350N 2450E	Soil	20	19	0.87	246	0.092	<20	1.84	0.013	0.20	<0.1	0.01	7.4	0.4	<0.05	7

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
L350N 2500E	Soil	1.1	14.3	178.4	406	0.5	13.1	10.9	3128	3.89	39.8	3.2	<0.5	18.1	30	1.7	1.3	0.1	70	0.39
L350N 2550E	Soil	0.4	14.7	33.7	161	0.4	18.0	11.7	929	3.24	14.7	4.4	1.5	11.0	26	0.5	0.6	0.1	73	0.36
L350N 2600E	Soil	0.5	11.5	89.5	180	0.9	14.5	10.0	721	2.89	20.0	3.5	0.8	9.6	25	0.7	0.7	0.2	65	0.39
L350N 2650E	Soil	0.4	21.6	52.3	141	0.9	16.6	11.2	296	2.51	9.0	6.8	2.1	7.1	33	1.0	0.6	0.3	77	0.50
L350N 2700E	Soil	1.2	34.1	73.2	181	0.4	17.7	13.7	581	5.48	48.3	7.9	1.8	10.3	30	0.5	0.6	0.4	150	0.40
L350N 2750E	Soil	1.2	25.0	102.1	210	0.5	18.1	23.2	3398	4.42	46.7	8.0	2.5	16.0	32	1.4	0.7	0.5	96	0.43
L350N 2800E	Soil	0.9	32.2	47.2	172	1.5	16.6	11.6	1209	2.81	17.7	14.4	4.6	4.4	33	0.5	0.5	0.4	57	0.45
L350N 2850E	Soil	1.6	33.6	92.9	291	4.2	17.8	13.8	1533	3.21	28.6	21.5	6.6	6.1	55	2.8	0.9	0.8	61	0.73
L400N 100E	Soil	2.4	18.8	29.5	129	0.2	12.6	7.9	575	2.79	5.7	5.8	2.6	11.2	25	0.5	0.7	0.6	50	0.36
L400N 150E	Soil	3.3	15.3	72.7	118	0.7	13.5	9.4	397	2.75	8.5	5.1	4.7	5.8	32	0.5	0.6	0.5	57	0.43
L400N 200E	Soil	1.8	28.6	140.2	401	0.6	16.9	8.8	806	3.18	6.7	17.2	4.7	18.8	33	3.2	1.1	0.9	60	0.46
L400N 350E	Soil	2.5	17.6	32.8	93	0.1	16.2	10.0	563	3.11	11.0	5.3	<0.5	6.0	67	0.4	0.5	0.4	76	0.74
L400N 400E	Soil	1.3	24.7	74.1	203	0.4	15.5	10.7	929	2.90	15.2	5.8	2.0	5.3	75	1.2	1.1	0.7	68	0.89
L400N 450E	Soil	1.8	25.3	59.5	181	0.4	16.9	10.7	743	2.92	12.8	4.6	4.6	4.0	67	0.9	0.6	0.5	71	0.80
L400N S600E	Soil	0.6	20.5	57.0	167	0.7	12.7	5.3	188	1.88	6.0	5.4	2.0	4.2	40	0.9	0.8	0.5	46	0.52
L400N S650E	Soil	0.8	15.6	112.4	219	1.0	13.3	9.9	735	2.78	16.9	4.9	4.9	4.7	42	1.2	0.9	0.4	64	0.55
L400N S700E	Soil	0.7	17.3	66.4	222	0.6	13.4	9.1	621	2.70	15.0	3.4	1.9	4.5	42	1.5	0.6	0.6	65	0.51
L400N S750E	Soil	1.2	23.8	87.2	187	0.7	15.3	11.8	1313	2.64	14.9	4.5	4.7	3.7	80	2.5	1.2	0.9	61	1.00
L400N S850E	Soil	1.3	26.0	145.4	225	0.9	15.4	11.3	896	2.86	14.9	3.3	2.3	3.6	41	1.8	1.0	1.0	71	0.54
L400N S950E	Soil	1.1	27.2	122.0	297	0.9	17.9	10.0	797	3.20	19.4	4.1	4.2	5.7	35	1.5	1.6	1.2	77	0.43
L400N 1000E	Soil	0.8	21.1	93.3	201	1.0	15.8	9.3	603	2.80	10.8	4.0	4.6	5.2	35	0.9	0.8	0.7	66	0.45
L400N 1050E	Soil	0.8	25.6	94.9	229	0.5	13.2	11.7	1119	3.35	12.5	3.1	2.3	11.8	24	0.9	1.3	0.6	80	0.38
L400N 1100E	Soil	1.0	17.9	35.5	100	0.3	16.8	12.9	689	3.30	9.3	1.1	1.9	8.1	13	0.6	0.6	0.3	73	0.13
L400N 1150E	Soil	1.1	421.3	4225	1604	15.0	4.4	11.5	4153	3.51	61.0	9.4	44.8	17.6	27	8.6	29.4	3.8	49	0.29
L400N 1200E	Soil	1.2	379.6	2115	1479	2.6	3.5	15.6	6091	3.75	49.2	10.3	9.4	18.1	32	7.8	18.8	0.8	47	0.33
L400N 1250E	Soil	0.9	419.9	4712	707	12.6	7.5	7.6	1670	2.74	51.7	9.7	76.8	7.1	22	2.4	61.3	5.6	45	0.27
L400N 1300E	Soil	0.4	21.3	200.9	317	0.6	7.7	8.2	931	2.62	9.2	3.7	3.4	10.0	20	1.5	3.2	1.0	53	0.35
L400N 1350E	Soil	0.6	15.2	54.6	118	0.4	10.8	6.0	312	2.45	6.6	1.2	0.9	3.5	24	1.0	0.7	0.4	69	0.31
L400N 1450E	Soil	1.3	23.7	266.4	678	3.4	13.3	8.6	1298	3.50	24.7	3.2	10.2	3.1	57	5.5	2.8	4.4	62	0.65
L400N 1500E	Soil	2.2	26.5	160.2	361	2.1	13.4	7.1	702	2.71	55.1	13.2	8.9	2.9	51	2.3	1.8	0.9	51	0.68

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L350N 2500E	Soil	21	21	0.60	334	0.074	<20	1.59	0.013	0.14	0.2	0.02	5.8	0.3	<0.05	5
L350N 2550E	Soil	23	29	0.65	232	0.107	<20	1.77	0.015	0.09	0.2	0.02	5.7	0.2	<0.05	6
L350N 2600E	Soil	21	23	0.60	155	0.109	<20	1.39	0.015	0.08	0.4	0.03	4.4	0.2	<0.05	5
L350N 2650E	Soil	27	31	0.63	232	0.074	<20	1.87	0.014	0.06	<0.1	0.06	5.9	0.2	<0.05	6
L350N 2700E	Soil	28	28	0.75	236	0.088	<20	2.03	0.012	0.09	0.1	0.04	7.1	0.2	<0.05	7
L350N 2750E	Soil	28	29	0.71	345	0.086	<20	1.99	0.011	0.09	0.1	0.03	8.3	0.4	<0.05	7
L350N 2800E	Soil	32	27	0.50	204	0.039	<20	1.88	0.012	0.06	0.1	0.07	6.0	0.2	<0.05	5
L350N 2850E	Soil	55	28	0.58	288	0.035	<20	1.96	0.015	0.06	<0.1	0.12	9.2	0.3	<0.05	6
L400N 100E	Soil	28	21	0.44	196	0.054	<20	1.25	0.009	0.11	0.3	0.03	4.6	0.2	<0.05	4
L400N 150E	Soil	20	25	0.45	201	0.051	<20	1.65	0.010	0.11	0.2	0.04	3.9	0.2	<0.05	5
L400N 200E	Soil	35	24	0.57	204	0.065	<20	1.57	0.013	0.16	0.4	0.05	7.2	0.5	<0.05	6
L400N 350E	Soil	21	28	0.55	293	0.093	<20	1.80	0.014	0.07	0.2	0.03	5.0	0.2	<0.05	7
L400N 400E	Soil	23	24	0.57	278	0.098	<20	1.57	0.015	0.12	0.1	0.03	4.9	0.2	<0.05	6
L400N 450E	Soil	20	30	0.58	242	0.088	<20	1.84	0.015	0.08	<0.1	0.04	4.5	0.2	<0.05	6
L400N S600E	Soil	27	28	0.53	236	0.073	<20	1.80	0.014	0.07	0.2	0.09	4.8	0.2	0.07	6
L400N S650E	Soil	24	26	0.57	274	0.084	<20	1.71	0.014	0.10	0.2	0.07	5.0	0.2	<0.05	5
L400N S700E	Soil	15	27	0.55	240	0.077	<20	1.67	0.010	0.08	0.1	0.04	4.1	0.2	<0.05	6
L400N S750E	Soil	28	26	0.52	345	0.072	<20	1.78	0.016	0.08	0.4	0.06	4.0	0.2	0.06	5
L400N S850E	Soil	18	28	0.57	272	0.087	<20	1.78	0.014	0.08	0.2	0.05	4.1	0.2	<0.05	7
L400N S950E	Soil	20	34	0.63	237	0.092	<20	2.17	0.014	0.10	0.1	0.06	5.3	0.2	<0.05	7
L400N 1000E	Soil	17	31	0.60	244	0.090	<20	1.98	0.014	0.07	0.2	0.06	5.0	0.2	<0.05	6
L400N 1050E	Soil	21	24	0.71	270	0.141	<20	1.71	0.015	0.17	0.4	0.03	4.8	0.3	<0.05	6
L400N 1100E	Soil	13	28	0.58	181	0.086	<20	2.28	0.009	0.13	<0.1	0.03	3.9	0.3	<0.05	7
L400N 1150E	Soil	35	6	0.41	886	0.047	<20	1.24	0.009	0.27	0.2	0.14	7.1	0.5	<0.05	5
L400N 1200E	Soil	33	5	0.33	919	0.016	<20	1.05	0.008	0.17	0.5	0.09	8.8	0.6	<0.05	4
L400N 1250E	Soil	20	16	0.42	379	0.046	<20	1.28	0.008	0.10	0.2	0.12	4.8	0.3	<0.05	4
L400N 1300E	Soil	24	13	0.61	337	0.074	<20	1.76	0.011	0.29	0.1	0.03	4.1	0.3	<0.05	5
L400N 1350E	Soil	11	22	0.54	301	0.107	<20	1.68	0.012	0.12	0.1	0.02	2.6	0.2	<0.05	7
L400N 1450E	Soil	15	24	0.55	858	0.037	<20	1.97	0.010	0.16	0.1	0.10	5.2	0.3	<0.05	5
L400N 1500E	Soil	29	23	0.44	346	0.026	<20	1.83	0.013	0.13	0.5	0.14	3.8	0.3	<0.05	5

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Project: Cassino: WRN-7516-YT

Report Date: November 12, 2007

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
L400N 1550E	Soil	2.3	21.0	202.4	257	0.9	6.7	8.1	1385	2.16	83.4	1.8	6.4	13.4	14	1.7	2.8	0.4	39	0.20
L400N 1600E	Soil	1.7	13.2	46.6	144	0.5	17.3	6.9	330	2.99	40.9	0.6	1.9	3.7	20	0.7	0.8	0.3	74	0.22
L400N 1650E	Soil	1.7	13.2	292.5	419	0.5	14.9	12.4	1375	4.12	96.3	2.1	3.2	10.9	27	1.4	2.1	0.7	69	0.45
L400N 1700E	Soil	1.6	22.5	116.3	178	0.6	19.7	10.2	727	3.07	14.7	2.7	2.1	4.0	32	0.5	1.0	0.3	67	0.44
L400N 1750E	Soil	1.1	15.9	40.7	97	0.3	19.3	14.6	894	3.50	13.2	1.7	1.6	2.6	20	0.3	0.6	0.3	68	0.28
L400N 1800E	Soil	0.8	18.7	24.2	84	<0.1	20.6	10.7	268	3.14	10.6	1.4	6.9	2.5	14	0.3	0.5	0.2	67	0.20
L400N 1850E	Soil	1.2	26.4	79.2	100	0.4	19.6	10.9	562	3.26	11.3	2.0	1.8	3.6	19	0.5	1.1	0.4	73	0.28
L400N 1900E	Soil	1.4	25.1	55.3	118	0.2	18.8	11.8	669	3.24	13.0	2.5	1.8	5.2	21	0.7	1.1	0.3	72	0.32
L400N 1950E	Soil	0.9	25.1	146.3	358	1.0	23.3	12.7	329	2.96	29.0	5.4	8.3	11.8	24	1.4	1.8	0.4	79	0.39
L400N 2000E	Soil	1.1	26.4	70.8	184	0.5	19.2	10.5	610	3.38	17.5	4.1	4.9	8.3	28	0.4	1.6	0.3	70	0.48
L400N 2050E	Soil	0.7	17.6	69.4	166	0.4	17.9	10.4	586	2.76	10.6	3.3	1.5	11.5	22	0.4	1.2	0.3	79	0.38
L400N 2150E	Soil	0.9	20.4	47.8	117	0.3	19.9	13.2	963	3.42	12.1	2.8	3.0	3.5	26	0.4	0.6	0.3	79	0.36
L400N 2400E	Soil	1.2	29.7	65.0	110	0.9	21.0	8.7	622	3.31	27.6	6.8	18.4	2.4	29	0.6	0.6	0.3	73	0.40
L400N 2450E	Soil	1.2	16.5	69.8	158	0.2	17.9	11.6	976	3.35	21.5	2.8	1.0	3.6	23	0.9	0.4	0.4	77	0.34
L400N 2500E	Soil	1.0	16.2	37.1	114	0.5	16.4	15.1	1341	3.09	14.2	6.4	1.6	2.1	28	0.5	0.4	0.3	66	0.40
L400N 2550E	Soil	0.8	17.0	23.1	93	1.1	13.0	5.2	238	2.09	14.0	4.7	0.8	1.4	30	1.2	0.5	0.2	49	0.41
L400N 2600E	Soil	0.8	15.9	18.4	87	0.4	12.7	8.3	652	2.37	10.0	5.0	<0.5	2.1	36	1.0	0.5	0.2	59	0.47
L400N 2750E	Soil	1.0	17.6	64.6	138	0.7	14.8	11.8	1161	2.69	20.7	5.1	1.4	2.1	35	1.2	0.5	0.3	62	0.48
L400N 2800E	Soil	0.8	25.0	54.1	197	1.4	16.1	13.2	1420	3.64	28.7	10.1	11.1	4.2	43	1.2	0.6	0.6	72	0.69
L400N 2850E	Soil	0.8	18.3	46.6	173	0.8	16.2	10.5	732	2.61	12.9	9.4	34.4	2.3	38	0.7	0.4	0.5	62	0.62
L400N 2900E	Soil	1.1	12.3	67.0	135	0.2	11.3	10.6	622	3.81	97.6	2.0	6.6	6.9	12	0.9	0.4	0.6	74	0.12
L400N 2950E	Soil	0.5	16.7	57.4	166	0.4	18.7	11.3	1639	3.06	20.6	5.6	3.1	5.1	28	1.0	0.6	0.4	68	0.50
L450N 100E	Soil	3.3	28.3	33.9	128	0.5	21.4	12.0	477	3.52	9.6	8.8	2.6	6.4	28	0.5	0.6	0.4	75	0.43
L450N 150E	Soil	14.2	43.3	1660	1436	2.3	5.0	11.4	9928	3.80	18.1	10.7	3.6	30.1	62	15.1	6.0	7.0	26	0.37
L450N 350E	Soil	1.4	14.8	22.1	81	<0.1	15.9	11.2	544	3.05	10.1	2.7	0.7	3.2	37	0.3	0.4	0.3	73	0.43
L450N 500E	Soil	1.3	18.4	54.3	227	0.2	14.0	8.4	519	2.86	16.2	3.0	1.0	2.4	59	1.5	0.7	0.6	76	0.78
L450N 650E	Soil	1.2	16.0	68.0	183	0.3	16.2	10.7	556	3.29	20.8	2.6	2.9	4.9	29	0.5	0.8	0.5	81	0.35
L450N 700E	Soil	0.7	17.8	63.8	217	0.4	14.5	10.5	694	2.68	13.6	3.8	8.4	2.6	47	1.7	0.6	0.7	60	0.61
L450N 850E	Soil	1.3	31.3	210.8	264	1.2	19.4	9.6	752	3.39	18.8	4.5	4.2	5.2	32	1.2	1.3	0.9	77	0.51
L450N 1050E	Soil	1.1	24.6	80.2	190	0.5	18.0	10.7	753	3.24	12.5	4.1	4.2	4.3	37	0.9	1.0	0.8	77	0.53

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L400N 1550E	Soil	16	9	0.34	240	0.049	<20	0.93	0.011	0.16	0.4	0.01	2.5	0.2	<0.05	3
L400N 1600E	Soil	7	30	0.55	109	0.064	<20	1.85	0.010	0.06	0.1	0.02	2.6	0.1	<0.05	7
L400N 1650E	Soil	20	26	0.65	296	0.065	<20	2.00	0.012	0.11	<0.1	0.02	5.0	0.3	<0.05	6
L400N 1700E	Soil	18	37	0.59	385	0.042	<20	2.24	0.012	0.08	0.1	0.06	5.1	0.3	<0.05	6
L400N 1750E	Soil	14	33	0.53	230	0.054	<20	2.29	0.013	0.06	<0.1	0.03	4.0	0.2	<0.05	7
L400N 1800E	Soil	13	34	0.58	147	0.063	<20	2.58	0.009	0.06	0.1	0.03	3.3	0.2	<0.05	6
L400N 1850E	Soil	17	34	0.61	198	0.076	<20	2.33	0.011	0.10	0.1	0.03	4.2	0.2	<0.05	7
L400N 1900E	Soil	20	34	0.62	296	0.086	<20	2.19	0.013	0.11	0.1	0.03	5.1	0.3	<0.05	6
L400N 1950E	Soil	22	41	0.71	297	0.091	<20	2.44	0.012	0.12	<0.1	0.08	7.7	0.3	<0.05	7
L400N 2000E	Soil	20	36	0.67	301	0.089	<20	2.01	0.015	0.11	0.1	0.05	7.1	0.3	<0.05	6
L400N 2050E	Soil	21	35	0.69	213	0.096	<20	2.32	0.015	0.09	0.6	0.05	6.1	0.3	<0.05	7
L400N 2150E	Soil	15	39	0.62	305	0.074	<20	2.23	0.013	0.07	0.1	0.04	4.9	0.3	<0.05	7
L400N 2400E	Soil	24	36	0.56	254	0.058	<20	2.16	0.017	0.08	0.1	0.06	3.9	0.2	0.05	7
L400N 2450E	Soil	15	33	0.62	197	0.069	<20	2.01	0.013	0.09	0.3	0.01	3.6	0.2	<0.05	7
L400N 2500E	Soil	21	31	0.54	238	0.047	<20	1.87	0.014	0.06	0.2	0.06	3.6	0.2	<0.05	6
L400N 2550E	Soil	24	22	0.39	247	0.046	<20	1.29	0.013	0.06	0.2	0.05	2.7	0.1	0.05	5
L400N 2600E	Soil	28	23	0.46	284	0.066	<20	1.30	0.017	0.07	0.1	0.04	3.7	0.1	<0.05	5
L400N 2750E	Soil	21	26	0.56	327	0.053	<20	1.68	0.018	0.08	0.2	0.05	3.7	0.2	<0.05	6
L400N 2800E	Soil	31	30	0.60	372	0.041	<20	2.01	0.018	0.10	0.2	0.09	7.7	0.2	<0.05	6
L400N 2850E	Soil	24	34	0.58	236	0.057	<20	1.96	0.015	0.09	0.2	0.05	5.2	0.2	<0.05	7
L400N 2900E	Soil	11	27	0.36	101	0.027	<20	2.36	0.010	0.06	<0.1	0.04	3.5	0.3	<0.05	8
L400N 2950E	Soil	17	33	0.66	245	0.071	<20	2.07	0.018	0.09	<0.1	0.04	5.5	0.2	<0.05	7
L450N 100E	Soil	30	39	0.64	269	0.070	<20	2.40	0.010	0.11	0.6	0.06	6.1	0.2	<0.05	7
L450N 150E	Soil	43	5	0.16	647	0.004	<20	0.66	0.004	0.20	0.4	0.09	6.5	1.1	<0.05	3
L450N 350E	Soil	15	28	0.58	202	0.079	<20	1.81	0.012	0.07	0.1	0.02	3.5	0.2	<0.05	6
L450N 500E	Soil	17	26	0.53	238	0.084	<20	1.70	0.019	0.10	0.1	0.03	3.1	0.2	<0.05	7
L450N 650E	Soil	17	32	0.65	279	0.092	<20	2.12	0.013	0.09	0.2	0.03	4.2	0.2	<0.05	7
L450N 700E	Soil	21	27	0.59	289	0.066	<20	1.95	0.018	0.10	0.2	0.04	3.7	0.2	<0.05	6
L450N 850E	Soil	20	36	0.66	297	0.081	<20	2.28	0.017	0.13	0.2	0.05	5.0	0.3	<0.05	7
L450N 1050E	Soil	21	34	0.66	303	0.089	<20	2.22	0.015	0.10	0.2	0.05	4.8	0.2	<0.05	7

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		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		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
L450N 1150E	Soil		1.7	120.9	1814	1469	3.8	4.4	15.1	4012	4.21	28.2	7.0	14.9	18.4	27	6.9	7.7	0.4	67	0.48	0.123
L450N 1200E	Soil		4.6	1712	8226	843	27.1	3.5	13.7	7656	6.32	395.6	25.9	392.8	11.0	20	5.6	257.7	114.8	25	0.11	0.072
L450N 1250E	Soil		1.6	1793	5550	1730	10.2	2.2	2.7	1163	7.50	310.0	13.7	40.9	18.6	24	7.7	73.5	17.1	20	0.13	0.084
L450N 1450E	Soil		0.9	28.2	270.2	395	0.9	16.2	9.0	772	3.13	20.0	2.3	11.3	6.8	26	3.1	1.7	1.4	70	0.36	0.041
L450N 1550E	Soil		2.2	24.4	72.9	207	0.8	14.3	12.3	1284	2.67	49.9	3.3	3.5	3.3	19	1.6	0.9	0.5	61	0.19	0.050
L450N 1600E	Soil		1.3	27.2	65.5	123	0.2	22.7	9.1	453	2.99	19.4	1.2	2.1	5.5	17	0.5	1.0	0.3	72	0.20	0.036
L450N 1700E	Soil		2.1	31.6	195.1	262	0.9	20.0	13.2	1422	3.60	62.8	2.7	8.1	7.0	25	1.2	1.8	0.7	71	0.37	0.083
L450N 1750E	Soil		0.8	21.5	77.8	170	1.3	27.9	11.0	517	3.61	29.2	1.4	4.7	6.2	18	0.7	1.4	0.3	71	0.29	0.080
L450N 1850E	Soil		2.1	37.2	31.8	90	<0.1	25.6	12.1	519	3.39	10.5	2.2	5.7	6.7	27	0.3	0.6	0.3	80	0.41	0.074
L450N 1900E	Soil		2.3	43.0	407.3	299	1.9	17.0	11.5	893	3.49	75.9	3.7	10.3	10.9	21	1.7	15.0	1.5	67	0.34	0.062
L450N 1950E	Soil		0.9	11.4	30.6	69	0.3	7.8	4.0	311	1.19	6.6	1.3	1.9	1.1	15	0.4	0.8	0.2	34	0.19	0.045
L450N 2000E	Soil		0.6	24.9	103.1	254	0.5	20.8	11.4	580	3.34	23.8	4.3	2.9	10.9	23	0.9	1.8	0.3	74	0.35	0.068
L450N S2150E	Soil		0.8	22.5	38.5	117	0.3	22.5	18.4	1916	2.98	11.9	3.3	2.3	6.7	24	0.5	0.6	0.2	71	0.44	0.075
L450N S2250E	Soil		0.7	18.1	25.8	106	0.3	21.3	12.7	444	3.23	12.0	2.4	1.1	6.3	21	0.3	0.5	0.2	75	0.35	0.078
L450N S2350E	Soil		1.0	16.6	28.3	114	0.1	22.2	11.4	684	3.16	18.7	1.4	1.5	3.5	25	0.7	0.4	0.2	82	0.36	0.043
L450N S2500E	Soil		1.2	19.8	36.6	121	0.5	19.8	15.6	1214	3.08	16.8	5.6	9.3	6.5	36	1.3	0.5	0.2	71	0.53	0.075
L450N S2550E	Soil		0.8	15.1	41.8	108	1.2	14.9	7.7	374	2.47	18.1	5.9	4.2	3.2	30	0.4	0.4	0.5	64	0.45	0.077
L450N S2600E	Soil		1.0	31.5	44.7	94	0.5	14.4	12.7	713	2.57	12.8	8.7	1.9	5.4	29	1.3	0.6	0.4	59	0.39	0.061
L450N S2700E	Soil		0.8	17.3	25.4	101	0.1	18.7	13.7	906	3.16	13.6	2.8	3.9	5.8	25	0.6	0.3	0.4	69	0.36	0.049
L450N S2950E	Soil		1.2	14.1	220.1	293	0.3	9.6	8.3	609	3.42	35.3	2.1	6.0	4.1	9	1.5	0.8	0.7	63	0.12	0.043
L500N 150E	Soil		5.4	19.8	424.2	765	1.1	4.9	7.7	4061	2.82	13.2	5.9	8.5	20.5	23	7.6	1.9	0.8	17	0.30	0.075
L500N 200E	Soil		2.9	26.6	466.1	435	0.5	11.5	11.1	1812	3.53	10.7	6.1	0.6	28.3	23	1.9	1.6	0.8	62	0.43	0.081
L500N 250E	Soil		2.7	24.9	101.5	172	2.0	17.4	9.4	733	3.00	7.3	8.0	12.0	7.4	39	1.0	1.0	0.6	73	0.59	0.076
L500N 300E	Soil		1.0	11.7	39.2	172	<0.1	10.4	11.7	1241	2.85	21.8	1.7	0.5	15.1	17	1.6	0.6	0.2	63	0.36	0.068
L500N 500E	Soil		1.5	27.7	70.1	209	0.3	15.0	14.1	1287	3.26	19.9	4.7	<0.5	9.6	53	1.5	1.1	0.5	73	0.83	0.073
L500N 550E	Soil		2.1	22.5	205.4	268	0.9	17.8	12.6	868	3.38	23.5	5.6	1.0	5.8	57	1.1	1.1	0.5	84	0.83	0.048
L500N 650E	Soil		1.0	12.8	52.9	200	<0.1	18.5	13.4	601	3.42	21.1	1.0	1.1	6.1	17	0.8	0.6	0.4	82	0.25	0.030
L500N 700E	Soil		0.9	25.6	77.9	266	1.0	16.0	9.5	606	3.15	17.8	6.5	2.5	5.1	40	1.4	0.9	0.4	71	0.60	0.058
L500N 850E	Soil		1.4	45.8	541.9	276	2.4	18.3	9.3	748	2.90	14.9	7.5	5.5	3.6	45	2.0	1.4	0.7	64	0.64	0.075
L500N 900E	Soil		1.6	28.6	96.0	299	0.3	19.9	14.6	1549	3.73	20.9	4.3	1.4	7.3	33	1.6	0.9	1.1	90	0.48	0.057

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L450N 1150E	Soil	32	6	0.43	920	0.033	<20	1.52	0.011	0.34	0.1	0.08	11.0	0.5	<0.05	5
L450N 1200E	Soil	16	7	0.08	1435	0.003	<20	0.54	0.003	0.17	0.6	0.16	4.5	0.6	0.10	2
L450N 1250E	Soil	16	3	0.04	210	<0.001	<20	0.33	0.003	0.21	0.6	0.09	8.4	0.5	0.11	<1
L450N 1450E	Soil	16	29	0.67	407	0.084	<20	2.13	0.013	0.13	<0.1	0.06	5.3	0.3	<0.05	6
L450N 1550E	Soil	15	30	0.33	183	0.039	<20	1.73	0.017	0.08	0.1	0.04	3.6	0.2	<0.05	7
L450N 1600E	Soil	11	33	0.55	182	0.075	<20	2.18	0.011	0.07	<0.1	0.02	4.2	0.2	<0.05	6
L450N 1700E	Soil	20	32	0.67	393	0.061	<20	2.27	0.016	0.11	0.1	0.04	5.4	0.3	<0.05	6
L450N 1750E	Soil	11	37	0.58	195	0.073	<20	2.43	0.012	0.06	0.2	0.04	4.0	0.2	<0.05	6
L450N 1850E	Soil	22	39	0.71	289	0.121	<20	2.30	0.014	0.14	0.1	0.03	7.4	0.2	<0.05	6
L450N 1900E	Soil	21	32	0.55	321	0.088	<20	1.94	0.014	0.13	0.1	0.06	6.1	0.3	<0.05	6
L450N 1950E	Soil	9	19	0.21	166	0.039	<20	0.96	0.014	0.06	<0.1	0.04	2.7	0.1	<0.05	4
L450N 2000E	Soil	23	37	0.64	311	0.089	<20	1.94	0.013	0.09	<0.1	0.05	8.0	0.3	<0.05	6
L450N S2150E	Soil	20	38	0.70	250	0.098	<20	2.18	0.017	0.07	0.1	0.03	6.9	0.2	<0.05	6
L450N S2250E	Soil	14	35	0.69	191	0.100	<20	2.17	0.017	0.07	0.1	0.07	5.0	0.2	<0.05	6
L450N S2350E	Soil	14	33	0.67	218	0.098	<20	1.90	0.015	0.08	<0.1	0.02	3.6	0.1	<0.05	7
L450N S2500E	Soil	27	30	0.58	319	0.076	<20	1.79	0.018	0.08	0.1	0.05	5.1	0.2	<0.05	6
L450N S2550E	Soil	27	29	0.54	249	0.044	<20	1.87	0.019	0.06	0.1	0.06	5.3	0.2	0.09	5
L450N S2600E	Soil	44	22	0.42	307	0.052	<20	1.44	0.022	0.05	<0.1	0.06	5.6	0.1	<0.05	5
L450N S2700E	Soil	17	31	0.60	317	0.064	<20	1.86	0.013	0.08	0.1	0.02	3.8	0.1	<0.05	6
L450N S2950E	Soil	20	21	0.23	168	0.021	<20	1.73	0.008	0.06	0.1	0.04	3.8	0.3	<0.05	7
L500N 150E	Soil	37	5	0.14	616	0.005	<20	0.59	0.009	0.23	0.1	0.06	4.3	0.4	<0.05	2
L500N 200E	Soil	34	20	0.57	415	0.066	<20	1.52	0.014	0.20	0.5	0.03	7.2	0.4	<0.05	5
L500N 250E	Soil	36	30	0.57	388	0.059	<20	2.00	0.012	0.12	0.2	0.08	6.6	0.3	0.09	6
L500N 300E	Soil	19	15	0.63	220	0.094	<20	1.15	0.018	0.18	0.1	<0.01	4.0	0.2	<0.05	4
L500N 500E	Soil	25	22	0.64	278	0.082	<20	1.56	0.018	0.14	0.4	0.03	5.6	0.2	0.06	5
L500N 550E	Soil	27	34	0.64	307	0.093	<20	2.24	0.020	0.09	0.1	0.05	6.0	0.2	0.06	7
L500N 650E	Soil	10	33	0.72	151	0.122	<20	1.98	0.011	0.08	0.8	0.01	3.7	0.2	<0.05	7
L500N 700E	Soil	31	28	0.64	322	0.084	<20	1.85	0.011	0.13	0.7	0.05	5.8	0.2	0.07	6
L500N 850E	Soil	36	33	0.54	344	0.059	<20	2.05	0.020	0.11	0.3	0.11	5.9	0.2	0.08	6
L500N 900E	Soil	20	39	0.69	334	0.098	<20	2.59	0.014	0.11	0.1	0.04	6.1	0.2	<0.05	8

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Method	Analyte	Unit	MDL	1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX U ppm 0.1	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001
L500N 950E	Soil			1.2	29.8	109.9	325	1.6	19.5	11.0	773	3.34	22.7	3.6	5.5	6.3	33	0.9	1.5	1.1	79	0.49	0.041
L500N 1000E	Soil			0.9	31.5	152.6	291	0.6	18.9	12.2	1115	3.44	23.0	3.4	3.6	12.9	26	1.2	2.0	1.0	85	0.45	0.080
L500N 1100E	Soil			0.8	50.2	715.1	582	1.5	8.0	12.9	2569	3.90	25.7	5.2	9.7	16.8	27	2.6	8.2	1.2	61	0.46	0.092
L500N 1150E	Soil			1.0	167.9	1486	962	3.8	5.3	13.9	3206	3.63	38.0	5.6	12.4	15.5	27	3.6	8.4	0.4	69	0.43	0.083
L500N 1200E	Soil			0.4	16.4	38.7	212	0.2	3.5	7.0	1066	2.64	3.4	4.7	1.4	28.3	35	1.1	1.0	0.2	39	0.51	0.072
L500N 1250E	Soil			3.2	1914	>10000	1605	57.1	2.4	10.7	8065	6.38	384.0	28.3	156.3	12.3	20	12.1	338.0	56.7	20	0.13	0.081
L500N 1300E	Soil			0.6	17.8	1050	592	<0.1	7.4	11.9	2528	3.60	22.3	6.5	3.2	12.6	23	2.8	2.4	0.4	59	0.40	0.082
L500N 1350E	Soil			0.8	21.6	1027	1188	0.6	5.5	13.3	4445	3.57	41.3	5.4	4.3	32.4	19	9.9	3.6	0.3	52	0.37	0.090
L500N 1400E	Soil			0.7	24.0	659.5	570	0.5	6.6	11.8	2746	3.31	12.2	2.3	2.6	17.7	17	5.0	1.0	0.3	78	0.35	0.092
L500N 1500E	Soil			1.7	30.8	715.4	897	4.2	12.5	10.9	2193	3.44	30.4	3.6	7.6	4.1	54	6.8	4.8	9.0	57	0.54	0.067
L500N 1550E	Soil			1.4	12.4	41.5	168	0.2	15.3	7.0	493	2.52	79.3	1.6	4.7	2.5	21	1.1	1.0	0.5	65	0.23	0.053
L500N 1600E	Soil			1.8	22.2	126.8	273	0.4	19.7	11.1	1152	3.19	88.7	2.2	7.9	7.9	21	1.1	1.4	0.5	65	0.28	0.060
L500N 1650E	Soil			1.7	18.2	44.8	164	0.4	16.6	8.9	649	3.06	24.0	1.4	8.7	3.7	23	0.8	0.8	0.4	74	0.32	0.047
L500N 1700E	Soil			4.3	16.0	178.8	259	0.4	18.0	16.6	2024	4.09	78.1	1.4	2.4	7.7	18	1.2	1.6	0.8	81	0.28	0.091
L500N 1750E	Soil			0.6	21.4	55.1	108	1.7	19.6	13.1	837	3.21	7.5	5.7	2.2	9.5	25	0.3	1.7	1.0	77	0.40	0.068
L500N 1800E	Soil			0.5	21.5	76.9	419	0.2	7.1	11.8	1774	3.64	23.1	2.9	1.3	15.7	25	2.0	1.9	3.3	51	0.50	0.082
L500N 1850E	Soil			0.5	26.4	20.6	88	<0.1	28.9	13.8	364	3.39	12.6	1.3	3.1	4.6	19	0.4	0.5	0.2	85	0.28	0.058
L500N 1900E	Soil			3.9	40.7	149.7	185	0.6	14.6	11.1	917	2.98	31.9	2.4	8.1	8.3	21	1.1	2.1	0.6	64	0.36	0.071
L500N 1950E	Soil			0.5	15.5	37.2	144	0.1	14.6	9.5	553	2.72	38.2	2.0	4.8	7.0	22	0.3	0.9	0.4	66	0.41	0.059
L500N 2000E	Soil			0.6	26.2	60.9	207	0.3	24.5	18.0	1350	3.40	45.8	3.5	5.8	7.8	22	1.3	0.8	0.3	79	0.36	0.061
L500N S2200E	Soil			0.7	10.5	43.2	104	0.2	18.3	8.4	442	2.44	8.0	1.3	1.7	2.7	21	0.4	0.5	0.2	66	0.33	0.079
L500N S2250E	Soil			0.8	12.8	17.5	70	0.4	14.5	8.1	639	1.57	8.7	4.1	1.7	0.6	34	0.7	0.6	0.1	37	0.50	0.105
L500N S2350E	Soil			1.4	17.9	65.9	109	0.3	16.0	14.9	1458	2.74	50.7	4.5	1.6	2.6	30	0.6	1.2	0.3	68	0.47	0.109
L500N S2400E	Soil			0.8	13.6	28.3	99	0.2	14.2	11.9	649	2.93	16.9	2.6	1.4	6.9	21	0.4	0.6	0.3	70	0.35	0.081
L500N S2450E	Soil			0.8	14.3	35.8	110	0.4	19.5	11.6	511	3.04	14.0	4.0	1.9	5.9	29	0.4	0.4	0.2	74	0.46	0.058
L500N S2500E	Soil			1.4	26.5	32.5	113	1.3	19.9	12.5	1306	3.03	19.4	16.1	2.6	4.8	56	0.9	0.7	0.2	67	0.85	0.127
L500N S2700E	Soil			0.7	18.6	27.4	115	0.3	20.1	10.5	661	2.91	18.6	4.4	1.7	4.9	40	0.6	0.4	0.3	71	0.65	0.074
L500N S2750E	Soil			0.7	17.0	102.9	196	0.3	15.8	14.3	1224	3.50	29.6	5.1	1.3	8.2	32	0.8	0.6	0.3	64	0.53	0.066
L500N S2850E	Soil			0.6	23.2	50.3	154	0.8	14.2	9.7	710	2.58	14.2	3.8	5.7	3.9	38	1.1	0.7	1.5	63	0.64	0.060
L500N S2950E	Soil			1.0	20.3	45.3	152	0.6	13.0	11.0	1355	2.84	16.1	3.2	4.5	3.8	28	1.3	0.8	1.1	61	0.54	0.078

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm 1	ppm 1	% 0.01	ppm 1	% 0.001	ppm 20	% 0.01	% 0.001	% 0.01	ppm 0.1	ppm 0.01	ppm 0.1	ppm 0.1	% 0.05	ppm 1
L500N 950E	Soil	18	35	0.62	268	0.093	<20	2.39	0.014	0.10	0.1	0.05	5.8	0.2	<0.05	7
L500N 1000E	Soil	18	32	0.71	270	0.130	<20	1.84	0.013	0.16	0.5	0.02	5.7	0.2	<0.05	6
L500N 1100E	Soil	28	11	0.52	468	0.041	<20	1.52	0.011	0.21	0.1	0.05	7.8	0.4	<0.05	5
L500N 1150E	Soil	31	8	0.52	824	0.064	<20	1.60	0.011	0.38	0.2	0.07	9.2	0.4	<0.05	5
L500N 1200E	Soil	30	5	0.30	328	0.006	<20	1.44	0.009	0.19	<0.1	0.02	6.6	0.3	<0.05	4
L500N 1250E	Soil	22	5	0.09	1051	0.002	<20	0.42	<0.001	0.17	0.3	0.29	5.0	0.5	0.07	2
L500N 1300E	Soil	28	12	0.45	422	0.044	<20	1.42	0.010	0.22	0.1	0.05	7.4	0.3	<0.05	4
L500N 1350E	Soil	32	8	0.40	551	0.034	<20	1.24	0.008	0.21	0.1	0.03	7.7	0.3	<0.05	4
L500N 1400E	Soil	23	12	0.48	508	0.061	<20	1.17	0.013	0.21	0.1	0.02	5.9	0.3	<0.05	4
L500N 1500E	Soil	18	18	0.46	1851	0.027	<20	1.55	0.010	0.15	0.1	0.10	4.4	0.3	0.06	5
L500N 1550E	Soil	12	27	0.49	240	0.056	<20	1.58	0.011	0.07	0.1	0.04	2.5	0.2	<0.05	6
L500N 1600E	Soil	18	30	0.57	327	0.062	<20	2.09	0.012	0.12	0.1	0.23	4.8	0.2	<0.05	6
L500N 1650E	Soil	13	29	0.52	222	0.064	<20	1.82	0.010	0.10	<0.1	0.02	4.0	0.1	<0.05	7
L500N 1700E	Soil	18	34	0.75	218	0.056	<20	2.02	0.010	0.09	0.3	0.03	4.2	0.2	0.06	7
L500N 1750E	Soil	31	35	0.68	388	0.109	<20	2.24	0.013	0.10	<0.1	0.04	7.6	0.4	<0.05	6
L500N 1800E	Soil	28	11	0.47	307	0.010	<20	1.86	0.006	0.19	<0.1	0.04	5.3	0.6	<0.05	6
L500N 1850E	Soil	16	42	0.64	200	0.101	<20	2.49	0.011	0.08	<0.1	0.02	6.0	0.1	<0.05	7
L500N 1900E	Soil	19	24	0.55	284	0.097	<20	1.53	0.013	0.15	0.2	0.03	5.1	0.3	<0.05	5
L500N 1950E	Soil	15	33	0.60	223	0.099	<20	1.82	0.011	0.10	<0.1	0.03	5.7	0.2	0.05	6
L500N 2000E	Soil	19	40	0.60	327	0.084	<20	2.27	0.014	0.07	<0.1	0.04	8.0	0.3	0.07	6
L500N S2200E	Soil	11	31	0.56	187	0.083	<20	1.88	0.014	0.06	0.3	0.03	3.5	0.1	<0.05	6
L500N S2250E	Soil	18	25	0.38	250	0.033	<20	1.33	0.026	0.04	<0.1	0.07	3.0	0.1	0.15	4
L500N S2350E	Soil	17	29	0.57	309	0.060	<20	1.83	0.019	0.06	0.2	0.04	4.5	0.2	0.10	6
L500N S2400E	Soil	23	25	0.63	214	0.091	<20	1.74	0.016	0.09	0.3	0.02	4.6	0.2	0.06	6
L500N S2450E	Soil	22	32	0.68	260	0.081	<20	2.08	0.016	0.08	0.1	0.03	5.2	0.2	0.05	7
L500N S2500E	Soil	58	31	0.60	390	0.042	<20	2.27	0.023	0.09	4.2	0.10	7.2	0.2	0.14	6
L500N S2700E	Soil	27	30	0.66	454	0.072	<20	1.80	0.020	0.08	0.3	0.04	5.3	0.1	0.09	6
L500N S2750E	Soil	24	27	0.61	447	0.056	<20	1.80	0.016	0.09	0.1	0.10	6.2	0.2	<0.05	6
L500N S2850E	Soil	19	27	0.58	361	0.067	<20	1.83	0.019	0.07	0.2	0.05	4.9	0.2	0.09	5
L500N S2950E	Soil	18	20	0.51	286	0.063	<20	1.49	0.022	0.09	0.2	0.04	4.2	0.2	0.08	5

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Method Analyte Unit MDL		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
L550N 50E	Soil	1.5	19.2	22.0	98	0.4	17.3	10.6	682	3.02	6.3	3.8	0.9	7.3	26	0.3	0.5	0.2	74	0.42
L550N 250E	Soil	1.6	14.2	98.8	166	0.5	10.6	11.8	1184	3.07	7.3	3.8	0.9	16.5	22	0.9	0.8	0.4	69	0.41
L550N 350E	Soil	0.9	21.3	42.7	188	0.3	14.8	11.3	1547	2.84	15.5	10.2	2.1	3.3	101	1.6	1.1	0.3	55	1.50
L550N 450E	Soil	1.6	19.7	42.4	155	0.2	13.1	9.4	446	3.02	18.1	3.8	1.5	4.3	58	0.6	0.7	0.3	71	0.84
L550N 650E	Soil	1.3	22.4	57.8	201	0.4	17.3	10.9	863	3.13	21.3	5.5	1.7	3.9	44	0.8	0.7	0.4	77	0.60
L550N 700E	Soil	0.7	16.0	51.9	188	0.2	12.4	10.1	864	3.06	16.7	4.1	25.4	6.8	31	1.1	0.6	0.4	76	0.49
L550N 750E	Soil	0.7	26.1	88.4	271	0.8	16.4	9.4	481	3.11	21.4	5.5	6.4	5.8	43	1.0	0.8	1.0	75	0.72
L550N 800E	Soil	1.0	26.0	71.6	163	0.3	13.7	9.6	849	2.43	10.7	3.7	3.6	3.8	27	2.2	0.8	0.6	61	0.34
L550N 1000E	Soil	1.1	37.7	135.2	269	1.0	18.2	10.1	812	3.30	19.1	5.5	5.4	5.4	27	0.7	1.6	1.0	76	0.37
L550N 1100E	Soil	0.7	28.2	259.2	367	0.6	11.7	11.0	1413	3.56	16.6	3.9	3.6	12.3	22	1.6	2.7	0.5	78	0.44
L550N 1150E	Soil	0.9	28.9	85.5	192	0.8	15.9	10.8	842	3.19	16.7	1.9	5.6	6.1	22	0.8	1.7	1.3	74	0.33
L550N 1200E	Soil	1.3	20.2	68.5	96	0.7	13.0	5.3	229	2.80	11.8	0.8	2.4	3.2	13	0.7	1.1	1.4	80	0.15
L550N 1250E	Soil	0.5	9.6	75.9	223	0.2	6.6	10.0	1336	2.72	6.2	2.9	2.2	19.9	17	1.1	0.7	0.2	52	0.35
L550N 1300E	Soil	0.9	21.3	119.2	116	0.5	15.5	7.7	376	3.17	11.0	1.5	3.3	4.6	20	0.5	0.8	0.6	81	0.29
L550N 1350E	Soil	0.2	11.7	55.9	279	0.2	6.8	8.7	634	2.36	4.8	1.4	<0.5	15.5	7	0.8	0.4	0.2	53	0.17
L550N 1400E	Soil	0.7	18.2	93.5	145	0.4	16.1	14.8	863	3.36	8.5	1.6	1.9	8.6	13	1.2	0.6	0.4	75	0.23
L550N 1450E	Soil	0.8	22.7	64.1	120	0.5	17.3	11.7	623	3.19	10.1	2.5	3.6	6.2	21	0.4	0.7	0.5	77	0.32
L550N 1500E	Soil	0.7	28.6	526.6	369	0.7	17.1	11.0	1083	3.26	14.2	2.1	9.8	9.6	16	1.7	1.1	0.5	68	0.26
L550N 1550E	Soil	1.0	21.6	23.0	142	0.6	17.3	9.1	638	3.00	9.8	2.5	3.9	2.2	73	1.8	0.7	0.3	66	0.71
L550N 1600E	Soil	1.3	32.4	977.3	604	7.0	10.8	7.9	1659	3.26	29.0	7.2	16.1	2.6	35	3.1	6.2	9.3	52	0.42
L550N 1650E	Soil	0.8	27.8	100.4	343	0.4	17.7	8.8	835	2.80	38.0	3.5	7.8	7.2	17	1.9	1.3	0.7	59	0.26
L550N 1700E	Soil	0.5	20.2	76.2	241	0.4	18.5	9.1	588	2.88	51.4	1.9	6.4	7.1	19	0.7	1.2	0.6	59	0.31
L550N 1750E	Soil	1.2	15.0	53.0	222	0.7	18.6	12.6	1053	3.14	12.6	1.1	1.9	5.5	13	1.0	1.3	0.6	62	0.19
L550N 1800E	Soil	1.0	18.5	21.2	70	0.2	19.2	17.4	1027	3.71	13.0	3.3	0.7	8.2	15	0.3	0.5	0.2	76	0.26
L550N 1850E	Soil	0.6	11.3	57.5	138	0.3	18.5	6.8	174	2.49	6.9	0.9	0.8	2.1	17	0.6	0.6	0.2	60	0.28
L550N 1900E	Soil	0.8	26.4	110.0	192	0.6	22.4	15.0	890	3.65	12.4	3.7	0.8	9.6	29	1.1	1.0	0.2	75	0.51
L550N 1950E	Soil	1.0	19.1	74.1	162	0.5	17.3	10.9	733	3.22	15.8	3.1	2.0	5.2	31	0.7	1.3	0.3	70	0.51
L550N 2000E	Soil	0.8	22.2	39.1	126	0.3	19.8	12.1	561	3.75	14.0	2.9	1.2	6.1	23	0.5	0.8	0.2	78	0.33
L550N 2050E	Soil	0.5	16.1	101.5	208	0.4	18.4	11.1	811	2.86	8.0	2.4	1.1	7.7	22	0.6	0.9	0.2	74	0.35
L550N 2100E	Soil	0.6	10.1	78.6	164	0.4	18.8	14.8	1105	2.74	6.8	1.1	<0.5	4.6	22	0.4	0.7	0.2	71	0.40

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L550N 50E	Soil	18	32	0.66	210	0.115	<20	1.82	0.016	0.10	0.2	0.02	4.8	0.2	<0.05	6
L550N 250E	Soil	29	16	0.58	287	0.077	<20	1.59	0.016	0.21	0.2	0.03	7.2	0.3	<0.05	5
L550N 350E	Soil	23	22	0.55	420	0.060	<20	1.36	0.021	0.13	0.2	0.04	3.8	0.2	0.14	4
L550N 450E	Soil	17	24	0.57	269	0.081	<20	1.71	0.020	0.09	0.2	0.03	4.7	0.2	0.11	5
L550N 650E	Soil	25	33	0.62	342	0.077	<20	2.10	0.016	0.09	0.8	0.05	5.7	0.2	0.07	6
L550N 700E	Soil	23	26	0.60	294	0.095	<20	1.67	0.016	0.12	0.2	0.03	5.1	0.2	<0.05	5
L550N 750E	Soil	26	31	0.64	257	0.089	<20	2.22	0.018	0.13	0.2	0.05	6.4	0.2	0.05	6
L550N 800E	Soil	20	26	0.51	278	0.088	<20	1.61	0.015	0.08	0.2	0.04	3.8	0.2	<0.05	6
L550N 1000E	Soil	25	34	0.62	282	0.093	<20	2.21	0.014	0.09	0.2	0.06	6.0	0.2	<0.05	7
L550N 1100E	Soil	25	23	0.67	314	0.142	<20	1.56	0.014	0.24	0.2	0.03	6.2	0.4	<0.05	5
L550N 1150E	Soil	13	33	0.64	232	0.095	<20	1.98	0.012	0.10	0.1	0.03	3.9	0.2	<0.05	6
L550N 1200E	Soil	8	26	0.42	101	0.098	<20	1.84	0.012	0.05	<0.1	0.02	3.2	0.2	<0.05	8
L550N 1250E	Soil	23	9	0.44	363	0.040	<20	1.49	0.018	0.13	<0.1	0.02	5.6	0.1	<0.05	5
L550N 1300E	Soil	14	29	0.56	228	0.094	<20	2.10	0.015	0.07	0.1	0.03	4.0	0.2	<0.05	8
L550N 1350E	Soil	24	8	0.48	288	0.079	<20	2.09	0.012	0.30	<0.1	0.02	3.3	0.3	<0.05	6
L550N 1400E	Soil	18	25	0.69	314	0.107	<20	2.43	0.011	0.17	0.2	0.03	3.6	0.3	<0.05	7
L550N 1450E	Soil	18	29	0.70	280	0.114	<20	2.10	0.010	0.12	0.1	0.03	3.9	0.2	<0.05	6
L550N 1500E	Soil	16	27	0.61	327	0.080	<20	2.18	0.011	0.16	0.1	0.04	4.5	0.3	<0.05	6
L550N 1550E	Soil	18	26	0.62	415	0.058	<20	1.88	0.013	0.10	0.4	0.05	3.8	0.2	<0.05	6
L550N 1600E	Soil	25	19	0.36	1253	0.016	<20	1.72	0.010	0.13	0.2	0.19	4.6	0.4	0.07	5
L550N 1650E	Soil	19	27	0.62	208	0.084	<20	1.69	0.009	0.08	0.1	0.07	4.3	0.2	<0.05	5
L550N 1700E	Soil	17	30	0.63	335	0.080	<20	1.85	0.009	0.10	0.1	0.02	4.4	0.2	<0.05	5
L550N 1750E	Soil	10	31	0.59	169	0.051	<20	2.57	0.008	0.08	0.1	0.05	3.2	0.3	<0.05	6
L550N 1800E	Soil	20	30	0.63	190	0.083	<20	2.75	0.011	0.09	<0.1	0.04	4.3	0.2	<0.05	7
L550N 1850E	Soil	11	30	0.54	126	0.051	<20	2.21	0.011	0.07	0.1	0.03	2.8	0.2	<0.05	7
L550N 1900E	Soil	22	37	0.66	372	0.094	<20	2.14	0.016	0.14	0.1	0.05	7.7	0.3	<0.05	6
L550N 1950E	Soil	18	33	0.58	310	0.071	<20	1.97	0.016	0.11	0.1	0.10	5.9	0.3	<0.05	6
L550N 2000E	Soil	20	39	0.65	262	0.087	<20	2.39	0.012	0.07	0.1	0.04	6.3	0.2	<0.05	7
L550N 2050E	Soil	14	37	0.67	243	0.095	<20	2.31	0.014	0.07	<0.1	0.05	4.9	0.3	<0.05	7
L550N 2100E	Soil	11	33	0.65	198	0.084	<20	2.04	0.014	0.07	0.6	0.05	3.6	0.2	<0.05	6

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Report Date: November 12, 2007

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
L550N 2250E	Soil	0.3	19.6	29.3	96	0.2	20.8	9.3	244	2.56	9.4	4.2	8.3	6.3	20	0.3	0.6	0.2	65	0.32
L550N 2300E	Soil	1.2	12.6	38.1	114	0.2	17.0	15.2	1499	3.68	22.1	1.0	<0.5	5.8	17	0.8	1.6	0.3	84	0.27
L550N 2350E	Soil	1.3	19.1	34.7	105	0.4	17.8	8.1	517	2.78	19.0	4.6	3.8	1.8	28	0.6	0.8	0.3	67	0.41
L550N 2450E	Soil	1.6	19.9	37.6	82	0.9	15.7	6.0	400	2.36	17.5	5.5	0.8	1.8	43	1.6	0.7	0.3	60	0.58
L550N 2500E	Soil	1.2	24.8	42.5	107	0.8	19.0	11.8	1052	2.74	16.0	17.3	2.6	3.1	55	0.7	0.6	0.2	58	0.78
L550N 2550E	Soil	1.1	39.3	21.6	94	0.4	19.0	11.9	2058	2.54	11.2	14.7	0.9	2.4	71	1.0	0.7	0.2	52	1.06
L550N 2600E	Soil	0.9	20.2	46.3	165	1.0	17.5	11.8	1042	3.47	28.6	12.5	2.4	5.0	46	0.9	0.7	0.4	58	0.69
L550N 2750E	Soil	1.2	19.1	36.0	129	0.3	15.2	12.3	1042	3.59	20.0	1.4	2.3	2.6	20	0.4	0.6	1.5	81	0.25
L550N 2800E	Soil	0.7	15.2	19.8	84	0.3	11.8	5.1	196	1.99	7.3	1.1	1.2	2.3	18	0.4	0.4	1.4	48	0.23
L550N 2850E	Soil	1.1	13.2	33.9	94	0.4	9.7	4.5	234	2.17	12.8	0.8	2.8	2.2	17	0.9	0.6	1.1	66	0.18
L600N 0E	Soil	1.1	14.1	25.0	122	0.3	14.6	8.2	445	2.55	6.0	3.2	<0.5	4.6	31	0.5	0.6	0.3	62	0.40
L600N 150E	Soil	1.9	21.0	31.2	124	0.6	17.5	10.7	621	3.11	7.1	5.4	<0.5	4.2	28	0.3	0.6	0.3	71	0.37
L600N 200E	Soil	1.9	24.3	311.2	193	3.5	15.4	11.5	974	2.94	8.2	8.7	2.3	10.2	37	2.4	1.3	0.4	64	0.52
L600N 350E	Soil	2.8	15.4	60.1	214	0.3	13.2	12.7	541	6.73	79.1	6.7	1.4	7.5	57	0.8	1.3	0.4	128	0.82
L600N 550E	Soil	1.0	22.7	58.8	213	0.5	17.7	10.6	889	3.10	21.1	7.2	1.8	3.7	86	1.4	1.0	0.4	72	1.28
L600N 600E	Soil	1.0	19.8	104.5	427	0.6	14.8	10.0	740	2.93	24.6	4.0	1.6	3.7	66	5.7	1.0	0.5	68	0.98
L600N 650E	Soil	1.1	22.5	64.1	209	0.6	17.1	10.5	721	3.11	21.6	5.4	0.7	3.1	49	1.0	0.8	0.5	72	0.72
L600N 700E	Soil	0.8	17.1	53.0	172	0.4	15.5	10.7	670	2.93	15.2	4.0	1.6	3.4	34	0.5	0.6	0.4	70	0.53
L600N 750E	Soil	0.7	16.8	63.9	278	0.5	11.3	8.6	694	2.61	18.9	4.0	4.0	3.8	37	2.3	0.9	0.7	55	0.59
L600N 800E	Soil	1.4	27.9	87.6	172	0.7	17.1	12.2	1148	3.08	18.4	5.6	3.7	3.5	36	1.1	0.8	1.0	75	0.50
L600N 850E	Soil	1.3	34.7	212.8	252	0.8	14.7	10.4	1042	2.50	14.2	3.6	2.4	2.3	33	3.0	1.3	0.8	58	0.48
L600N 900E	Soil	1.4	28.3	73.2	237	0.9	17.1	11.6	846	2.98	15.1	4.5	4.0	3.6	26	0.8	0.9	0.9	70	0.37
L600N 1150E	Soil	0.9	26.5	52.2	185	1.0	15.0	9.2	518	2.80	14.7	1.5	5.7	4.5	26	0.9	1.4	1.4	76	0.36
L600N 1200E	Soil	0.9	34.9	71.9	160	2.9	16.3	8.7	606	2.60	12.6	5.0	6.9	2.8	33	0.6	1.6	1.7	60	0.49
L600N 1250E	Soil	0.8	24.8	65.9	168	0.8	17.3	11.7	778	3.21	11.7	2.2	6.4	5.5	28	0.5	1.0	1.7	77	0.43
L600N 1300E	Soil	0.7	21.1	40.6	122	0.8	14.5	10.0	752	2.71	8.7	2.8	3.9	5.8	24	0.5	0.8	0.9	66	0.37
L600N 1350E	Soil	0.7	15.9	35.4	119	0.2	15.3	10.1	558	2.88	9.5	1.4	2.8	5.3	19	0.5	0.6	0.9	71	0.29
L600N 1400E	Soil	0.8	13.1	225.3	294	0.7	15.7	8.2	585	3.25	20.7	1.5	2.4	7.1	14	1.8	0.8	0.5	68	0.22
L600N 1450E	Soil	0.9	25.5	57.5	158	0.6	21.2	10.5	619	3.29	11.1	2.2	7.0	6.0	22	0.4	0.7	0.5	83	0.32
L600N 1500E	Soil	0.9	33.1	139.0	187	1.4	18.1	9.8	546	3.34	16.9	4.3	3.7	4.7	28	0.8	1.2	0.9	83	0.46

CERTIFICATE OF ANALYSIS

VAN07000883.1

	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L550N 2250E	Soil	16	34	0.67	181	0.089	<20	2.09	0.015	0.07	0.2	0.05	4.9	0.2	<0.05	6
L550N 2300E	Soil	11	29	0.62	115	0.104	<20	1.81	0.011	0.09	0.3	0.02	2.8	0.2	<0.05	7
L550N 2350E	Soil	18	32	0.54	272	0.061	<20	1.80	0.023	0.07	0.1	0.05	3.2	0.1	0.07	6
L550N 2450E	Soil	31	28	0.44	283	0.038	<20	1.41	0.027	0.07	0.1	0.08	3.0	0.1	0.12	5
L550N 2500E	Soil	52	30	0.55	366	0.045	<20	2.08	0.031	0.07	0.1	0.09	6.6	0.2	0.09	6
L550N 2550E	Soil	49	27	0.49	434	0.039	<20	1.68	0.024	0.07	0.1	0.07	4.5	0.2	0.13	5
L550N 2600E	Soil	40	27	0.55	381	0.029	<20	1.94	0.019	0.11	<0.1	0.07	6.5	0.2	0.07	5
L550N 2750E	Soil	10	28	0.58	151	0.075	<20	2.07	0.011	0.08	0.1	0.04	2.8	0.2	<0.05	8
L550N 2800E	Soil	11	22	0.42	132	0.080	<20	1.60	0.012	0.11	0.1	0.01	2.7	0.1	<0.05	7
L550N 2850E	Soil	9	18	0.33	97	0.084	<20	1.25	0.009	0.10	0.1	0.02	2.5	0.1	<0.05	7
L600N 0E	Soil	18	26	0.59	240	0.076	<20	1.80	0.012	0.07	0.1	0.03	3.3	0.1	<0.05	6
L600N 150E	Soil	22	34	0.60	245	0.066	<20	2.23	0.012	0.08	0.2	0.04	4.5	0.2	<0.05	7
L600N 200E	Soil	34	29	0.52	342	0.057	<20	2.03	0.018	0.11	0.2	0.12	6.3	0.3	<0.05	6
L600N 350E	Soil	22	22	0.78	326	0.075	<20	1.93	0.017	0.14	<0.1	0.02	5.3	0.3	0.08	7
L600N 550E	Soil	20	26	0.63	319	0.082	<20	1.84	0.027	0.12	0.1	0.05	4.6	0.2	0.10	6
L600N 600E	Soil	16	26	0.61	260	0.078	<20	1.92	0.020	0.12	0.2	0.04	4.6	0.2	0.06	6
L600N 650E	Soil	31	31	0.62	357	0.071	<20	2.05	0.016	0.11	0.1	0.05	4.5	0.2	0.06	6
L600N 700E	Soil	17	29	0.64	325	0.084	<20	2.03	0.015	0.11	0.1	0.04	4.4	0.2	<0.05	6
L600N 750E	Soil	18	22	0.52	177	0.059	<20	1.53	0.013	0.12	0.1	0.04	3.8	0.2	0.06	5
L600N 800E	Soil	21	30	0.58	359	0.074	<20	2.03	0.013	0.10	0.3	0.06	4.0	0.2	0.07	6
L600N 850E	Soil	18	26	0.52	289	0.058	<20	1.63	0.014	0.09	0.2	0.05	3.8	0.2	<0.05	5
L600N 900E	Soil	20	34	0.59	264	0.074	<20	2.06	0.012	0.10	0.2	0.05	5.1	0.2	<0.05	6
L600N 1150E	Soil	11	29	0.63	255	0.110	<20	1.77	0.014	0.11	0.1	0.02	3.7	0.2	<0.05	6
L600N 1200E	Soil	27	31	0.52	314	0.071	<20	1.90	0.022	0.08	0.1	0.06	5.1	0.2	<0.05	6
L600N 1250E	Soil	15	32	0.66	245	0.097	<20	1.95	0.015	0.10	0.1	0.03	4.3	0.1	<0.05	6
L600N 1300E	Soil	15	28	0.59	244	0.082	<20	1.86	0.016	0.10	0.1	0.03	4.4	0.1	<0.05	6
L600N 1350E	Soil	12	29	0.61	201	0.087	<20	1.83	0.012	0.08	0.1	0.02	3.7	0.1	<0.05	6
L600N 1400E	Soil	15	26	0.56	210	0.049	<20	1.94	0.012	0.10	0.1	0.03	4.0	0.3	<0.05	6
L600N 1450E	Soil	14	37	0.69	243	0.109	<20	2.22	0.013	0.08	0.2	0.04	5.0	0.2	<0.05	7
L600N 1500E	Soil	24	32	0.68	314	0.081	<20	2.10	0.013	0.12	<0.1	0.07	6.1	0.2	<0.05	6

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Method Analyte Unit MDL		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
L600N 1550E	Soil	1.1	29.1	64.7	206	0.3	18.4	14.0	994	3.23	16.3	1.6	3.5	3.8	21	0.9	1.7	0.6	79	0.33
L600N 1700E	Soil	0.7	21.5	105.6	568	0.6	21.6	13.4	1222	3.85	22.6	2.3	2.9	13.8	10	2.1	1.3	0.4	71	0.20
L600N 1750E	Soil	0.9	17.2	502.2	433	1.1	22.7	10.1	661	3.26	13.6	1.5	10.1	5.0	17	1.4	1.9	0.7	70	0.29
L600N 1800E	Soil	1.3	16.7	32.3	103	<0.1	17.9	20.3	1247	4.00	9.3	2.0	1.5	7.3	15	0.7	0.6	0.2	85	0.21
L600N 1850E	Soil	0.5	17.5	103.0	217	0.4	22.0	13.0	309	3.97	11.0	1.6	1.2	7.9	17	0.6	0.5	0.3	86	0.31
L600N 1900E	Soil	0.7	28.4	31.8	151	0.2	23.0	11.0	509	3.82	23.2	3.1	3.6	9.9	27	0.5	0.7	0.3	90	0.51
L600N S2050E	Soil	0.4	20.6	43.8	119	0.3	21.5	11.7	323	2.96	9.0	3.5	1.2	7.1	20	0.4	0.6	0.2	82	0.37
L600N S2100E	Soil	0.9	14.7	120.0	190	0.4	17.8	14.9	1381	2.95	10.0	1.7	2.1	5.0	23	0.8	0.7	0.2	81	0.44
L600N S2150E	Soil	0.4	11.6	45.7	118	0.2	17.7	10.6	414	2.13	5.2	1.7	1.6	5.1	20	0.4	0.5	0.1	64	0.37
L600N S2200E	Soil	1.7	11.2	23.1	137	0.2	17.1	10.0	908	3.44	23.9	1.5	1.9	2.2	23	0.4	0.4	0.2	96	0.38
L600N S2300E	Soil	1.4	16.5	31.6	109	0.1	19.3	16.2	1820	3.42	16.2	2.9	1.1	4.8	21	0.4	0.4	0.2	80	0.33
L600N S2350E	Soil	1.4	16.3	68.5	123	0.3	18.4	13.2	1187	3.08	46.3	2.7	1.2	5.1	21	0.8	1.1	0.2	73	0.31
L600N S2400E	Soil	1.4	29.4	44.7	151	1.3	20.4	11.8	960	3.38	33.6	9.6	3.6	3.9	43	1.2	1.0	0.3	71	0.60
L600N S2500E	Soil	0.9	12.7	29.4	113	0.7	16.8	13.8	883	2.92	17.4	5.0	2.1	4.9	29	0.6	0.5	0.3	68	0.45
L600N S2600E	Soil	1.0	11.3	13.5	41	0.1	7.5	3.7	166	1.84	6.5	0.8	11.5	3.0	12	0.3	0.2	0.6	76	0.13
L600N S2650E	Soil	0.9	29.2	41.8	118	0.7	15.3	12.3	604	2.82	13.8	3.1	5.4	4.4	20	0.7	0.5	1.5	66	0.28
L600N S2750E	Soil	1.0	21.9	44.5	115	0.4	14.1	15.2	1722	2.93	18.2	1.9	3.5	4.0	17	0.9	0.5	1.6	76	0.24
L600N S2800E	Soil	0.8	29.9	101.6	171	1.2	15.7	14.5	1098	2.63	13.7	3.6	8.1	3.6	21	1.2	0.6	1.5	61	0.28
L600N S2850E	Soil	0.8	33.9	70.0	144	0.9	14.3	8.3	535	2.58	12.5	5.1	6.5	3.8	22	0.6	0.5	1.1	58	0.29
L600N S2950E	Soil	1.1	19.3	49.7	163	0.1	16.8	13.9	819	3.11	19.5	1.4	2.1	4.1	16	0.7	0.4	0.4	82	0.24
L600N S3000E	Soil	0.7	255.7	7.8	231	0.1	6.3	14.6	612	3.01	9.4	5.4	<0.5	15.1	28	1.6	0.4	0.1	63	0.49
L650N 150E	Soil	1.1	13.6	17.4	85	0.2	18.5	9.3	357	2.88	6.3	2.0	26.7	4.9	17	0.3	0.3	0.2	74	0.25
L650N 200E	Soil	1.4	21.7	77.9	169	0.7	16.0	9.9	599	2.86	6.4	3.8	3.9	4.2	33	1.0	0.6	0.4	69	0.48
L650N 350E	Soil	0.9	15.0	56.9	249	0.3	12.4	9.4	791	2.76	16.2	4.6	2.1	4.7	50	1.9	1.1	0.4	58	0.74
L650N 750E	Soil	0.8	14.7	56.0	238	0.1	10.1	9.1	814	2.94	19.1	2.2	5.6	7.4	23	1.9	0.8	0.7	69	0.47
L650N 1200E	Soil	0.8	23.4	59.4	171	1.2	14.1	8.6	525	2.66	16.2	1.4	3.8	4.2	25	0.5	1.7	1.9	65	0.38
L650N 1400E	Soil	0.7	22.4	314.4	246	0.7	15.0	8.8	596	2.83	13.1	2.7	3.0	4.4	19	1.5	1.0	0.9	63	0.21
L650N 1450E	Soil	0.9	22.8	71.4	150	0.6	16.0	12.8	1139	2.98	12.0	2.2	7.1	3.8	19	0.6	0.9	0.7	68	0.24
L650N 1500E	Soil	0.9	19.1	44.4	114	0.6	20.0	8.9	404	3.56	11.2	0.8	48.7	4.0	17	1.1	0.7	0.5	73	0.24
L650N 1550E	Soil	1.1	31.9	295.9	240	1.1	13.8	8.7	647	2.80	22.0	1.4	9.8	1.8	18	1.4	1.5	0.9	71	0.17

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L600N 1550E	Soil	13	32	0.66	285	0.090	<20	2.12	0.011	0.10	0.1	0.04	4.2	0.2	<0.05	7
L600N 1700E	Soil	15	32	0.64	195	0.089	<20	2.91	0.012	0.17	<0.1	0.04	6.1	0.4	<0.05	6
L600N 1750E	Soil	13	34	0.63	531	0.057	<20	2.70	0.010	0.08	0.1	0.09	4.9	0.3	<0.05	7
L600N 1800E	Soil	14	35	0.59	176	0.093	<20	3.15	0.014	0.07	0.1	0.04	4.7	0.2	<0.05	8
L600N 1850E	Soil	14	41	0.68	178	0.093	<20	3.06	0.014	0.11	0.1	0.02	5.9	0.4	<0.05	7
L600N 1900E	Soil	21	44	0.69	360	0.122	<20	2.22	0.022	0.13	<0.1	0.04	9.3	0.3	<0.05	7
L600N S2050E	Soil	18	39	0.70	207	0.104	<20	2.32	0.015	0.07	<0.1	0.04	6.4	0.2	<0.05	6
L600N S2100E	Soil	12	38	0.69	199	0.099	<20	2.24	0.021	0.08	<0.1	0.05	5.4	0.3	0.07	6
L600N S2150E	Soil	12	32	0.56	181	0.097	<20	1.79	0.015	0.06	0.2	0.03	4.5	0.2	<0.05	5
L600N S2200E	Soil	10	31	0.60	231	0.085	<20	1.63	0.017	0.08	0.2	0.03	4.4	0.1	0.06	7
L600N S2300E	Soil	12	36	0.67	201	0.091	<20	1.97	0.014	0.07	0.1	0.02	4.4	0.2	<0.05	7
L600N S2350E	Soil	17	30	0.56	199	0.073	<20	1.67	0.015	0.07	0.1	0.15	4.1	0.2	<0.05	6
L600N S2400E	Soil	38	34	0.55	381	0.034	<20	2.17	0.015	0.09	0.1	0.08	6.6	0.2	0.10	6
L600N S2500E	Soil	22	30	0.59	294	0.060	<20	1.98	0.018	0.07	0.1	0.05	5.6	0.2	0.07	6
L600N S2600E	Soil	8	18	0.24	107	0.125	<20	1.20	0.010	0.07	0.1	0.03	2.4	0.2	<0.05	9
L600N S2650E	Soil	19	32	0.55	200	0.077	<20	2.08	0.015	0.09	0.1	0.06	5.2	0.2	<0.05	6
L600N S2750E	Soil	14	27	0.51	165	0.082	<20	1.72	0.013	0.09	0.2	0.05	4.0	0.2	<0.05	6
L600N S2800E	Soil	19	30	0.55	200	0.060	<20	1.94	0.018	0.08	0.1	0.07	5.6	0.2	0.07	6
L600N S2850E	Soil	32	27	0.53	250	0.063	<20	1.93	0.013	0.07	0.2	0.07	6.5	0.2	0.06	6
L600N S2950E	Soil	12	30	0.59	152	0.113	<20	1.85	0.011	0.08	<0.1	0.02	3.8	0.1	<0.05	7
L600N S3000E	Soil	47	8	0.61	280	0.065	<20	1.88	0.017	0.22	0.2	0.02	5.0	0.2	0.08	6
L650N 150E	Soil	12	32	0.60	157	0.083	<20	1.95	0.011	0.07	<0.1	0.03	3.9	0.2	<0.05	6
L650N 200E	Soil	20	32	0.56	272	0.060	<20	1.95	0.012	0.10	0.2	0.05	4.6	0.2	0.09	6
L650N 350E	Soil	18	22	0.56	282	0.064	<20	1.55	0.017	0.14	0.1	0.04	4.9	0.2	0.10	5
L650N 750E	Soil	16	21	0.52	132	0.077	<20	1.30	0.011	0.12	1.4	0.01	3.8	0.2	<0.05	4
L650N 1200E	Soil	11	29	0.55	266	0.097	<20	1.79	0.011	0.09	0.1	0.03	4.0	0.2	<0.05	6
L650N 1400E	Soil	17	28	0.53	336	0.067	<20	1.82	0.009	0.07	<0.1	0.05	4.0	0.2	<0.05	6
L650N 1450E	Soil	11	32	0.54	196	0.067	<20	2.00	0.010	0.06	<0.1	0.03	3.4	0.2	<0.05	6
L650N 1500E	Soil	9	30	0.64	188	0.095	<20	2.01	0.011	0.08	0.1	0.03	3.1	0.2	<0.05	6
L650N 1550E	Soil	11	28	0.43	293	0.049	<20	1.82	0.009	0.09	<0.1	0.03	3.0	0.2	<0.05	7

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Method	Analyte	Unit	MDL	1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX U ppm 0.1	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001
L650N 1600E	Soil			1.1	23.1	33.5	113	0.2	21.4	10.5	447	3.58	17.6	1.1	2.4	4.0	19	0.7	1.1	0.5	78	0.26	0.041
L650N 1650E	Soil			0.7	14.4	20.8	77	0.3	20.7	10.0	306	2.90	9.4	0.9	1.6	3.5	15	0.5	0.6	0.3	60	0.21	0.043
L650N 1700E	Soil			3.4	24.0	30.1	132	1.1	15.1	15.9	2932	4.19	12.5	10.2	9.1	8.1	43	0.6	1.2	0.5	91	0.62	0.088
L650N 1750E	Soil			1.0	18.7	254.7	363	1.4	21.9	10.9	679	3.17	12.9	1.0	3.6	4.0	16	0.9	1.2	0.6	65	0.21	0.048
L650N 1800E	Soil			0.7	10.9	170.1	650	0.4	14.1	9.7	952	3.61	11.4	1.6	1.3	6.7	17	1.1	0.8	0.3	76	0.31	0.064
L650N 1850E	Soil			0.5	11.2	73.5	432	0.4	11.5	10.7	862	4.03	7.2	4.0	2.1	20.0	22	1.9	0.9	0.3	73	0.45	0.073
L650N 1950E	Soil			0.6	18.0	66.7	144	0.2	16.7	10.5	476	3.24	9.9	2.7	1.7	7.8	20	0.4	1.0	0.2	77	0.37	0.066
L650N 2050E	Soil			0.5	16.6	39.8	106	0.2	19.5	10.7	457	2.71	8.3	2.1	2.0	5.0	25	0.5	0.7	0.2	63	0.42	0.074
L650N 2150E	Soil			1.3	15.8	39.5	127	0.2	18.9	14.9	1208	3.56	14.7	1.4	1.0	4.4	22	0.6	0.5	0.2	84	0.32	0.069
L650N 2200E	Soil			0.8	15.5	39.9	131	0.2	20.0	11.9	665	2.93	12.1	2.2	<0.5	6.4	23	0.4	0.5	0.2	69	0.39	0.084
L650N 2250E	Soil			1.5	16.0	36.9	108	0.2	14.0	14.7	2571	2.96	15.1	1.7	<0.5	3.9	16	1.4	0.7	0.2	70	0.23	0.058
L650N 2300E	Soil			1.5	24.9	36.0	87	0.8	16.8	10.4	1116	2.90	19.1	9.4	2.5	1.9	30	0.7	0.6	0.2	61	0.40	0.106
L650N 2400E	Soil			1.4	14.2	24.7	98	0.2	14.8	12.9	1352	3.16	11.4	2.6	0.9	3.3	25	1.4	1.0	0.2	77	0.38	0.099
L650N 2450E	Soil			0.8	9.2	19.6	82	<0.1	14.1	12.9	603	2.80	12.4	1.2	1.4	4.8	15	0.3	0.5	0.2	66	0.20	0.041
L650N 2550E	Soil			0.9	32.2	55.4	166	1.3	16.4	13.2	805	2.95	19.1	3.0	12.2	2.2	37	1.6	0.7	2.4	64	0.51	0.067
L650N 2600E	Soil			1.0	13.2	15.5	53	0.2	8.8	4.0	197	1.92	8.5	1.3	9.6	0.8	12	0.4	0.4	0.6	55	0.12	0.029
L650N 2650E	Soil			0.8	33.7	54.9	123	0.9	15.7	12.1	641	2.55	12.4	5.3	8.0	1.4	23	0.6	0.7	1.7	60	0.27	0.075
L650N 2700E	Soil			0.8	24.6	39.1	105	0.3	12.9	7.0	387	2.82	16.4	1.6	2.8	2.6	13	0.8	0.6	1.4	72	0.16	0.042
L650N 2750E	Soil			1.0	32.3	54.7	141	1.1	15.9	14.9	896	3.30	20.3	3.1	13.8	2.5	22	0.6	0.7	2.2	76	0.28	0.067
L650N 2900E	Soil			0.6	12.4	34.4	96	0.3	8.5	4.6	405	1.42	5.8	0.6	0.7	0.2	19	0.3	0.3	0.8	41	0.30	0.042
L650N 2950E	Soil			1.4	14.4	56.6	118	0.1	11.7	12.2	765	3.15	23.9	1.2	2.1	2.0	16	0.5	0.4	0.4	83	0.20	0.057
L650N 3000E	Soil			0.9	83.3	19.0	85	0.1	8.6	11.3	588	3.02	10.1	2.0	0.9	8.9	18	0.3	0.3	0.2	84	0.25	0.041
L700N 0E	Soil			1.5	19.4	33.7	152	1.1	17.3	8.5	467	3.01	7.6	6.4	2.4	3.0	31	0.4	0.7	0.3	71	0.43	0.066
L700N 50N	Soil			2.2	29.0	29.6	111	0.9	18.2	10.4	815	2.86	6.9	9.5	2.3	1.8	35	0.2	0.8	0.3	62	0.47	0.080
L700N 100E	Soil			2.1	21.1	31.9	135	0.8	18.1	11.5	706	2.92	7.5	5.9	1.5	2.2	35	0.5	0.7	0.3	71	0.49	0.059
L700N 150E	Soil			1.3	18.3	36.7	127	1.0	16.0	10.5	641	2.98	7.8	4.3	0.8	3.6	26	0.3	0.6	0.3	71	0.36	0.050
L700N 200E	Soil			1.2	23.6	309.4	210	0.8	14.7	10.0	551	3.25	9.0	4.2	1.5	8.9	28	0.4	2.4	0.7	70	0.38	0.055
L700N 250E	Soil			1.2	27.6	35.2	143	0.8	16.2	10.3	584	2.91	7.6	4.3	0.6	3.1	28	0.6	1.1	0.5	69	0.38	0.057
L700N 400E	Soil			0.9	19.9	37.5	192	0.2	15.2	9.5	604	2.77	16.5	5.1	1.9	2.4	93	1.0	0.8	0.4	59	1.19	0.057
L700N 500E	Soil			1.6	21.5	66.1	213	0.3	19.9	11.3	969	3.21	18.6	4.3	3.1	4.4	50	1.2	1.0	0.3	68	0.65	0.062

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L650N 1600E	Soil	10	34	0.61	214	0.092	<20	2.26	0.012	0.09	<0.1	0.03	3.7	0.2	<0.05	7
L650N 1650E	Soil	11	31	0.58	169	0.069	<20	2.47	0.012	0.07	<0.1	0.03	3.3	0.1	<0.05	6
L650N 1700E	Soil	28	29	0.76	457	0.079	<20	2.53	0.016	0.17	0.1	0.09	8.9	0.4	<0.05	8
L650N 1750E	Soil	10	33	0.56	305	0.054	<20	2.50	0.015	0.08	<0.1	0.06	3.4	0.2	<0.05	6
L650N 1800E	Soil	14	29	0.70	265	0.052	<20	2.54	0.013	0.15	<0.1	0.04	4.4	0.5	<0.05	7
L650N 1850E	Soil	31	21	0.68	443	0.057	<20	2.13	0.010	0.21	0.1	0.05	7.9	0.4	<0.05	6
L650N 1950E	Soil	18	34	0.65	254	0.088	<20	2.16	0.013	0.08	<0.1	0.04	4.9	0.3	<0.05	6
L650N 2050E	Soil	14	35	0.66	245	0.094	<20	2.03	0.020	0.07	0.1	0.04	4.6	0.2	<0.05	6
L650N 2150E	Soil	10	36	0.59	134	0.091	<20	1.87	0.014	0.07	<0.1	0.07	3.6	0.1	<0.05	7
L650N 2200E	Soil	16	35	0.71	187	0.086	<20	1.97	0.020	0.09	0.2	0.03	4.3	0.2	<0.05	6
L650N 2250E	Soil	16	21	0.47	275	0.053	<20	1.33	0.019	0.09	0.2	0.02	3.2	0.2	<0.05	6
L650N 2300E	Soil	26	33	0.39	277	0.039	<20	1.76	0.023	0.05	0.1	0.08	4.3	0.1	0.10	5
L650N 2400E	Soil	22	25	0.62	209	0.036	<20	1.59	0.020	0.11	0.1	0.03	5.2	0.2	0.05	6
L650N 2450E	Soil	12	25	0.58	185	0.074	<20	1.64	0.012	0.06	0.5	0.02	3.1	0.2	<0.05	6
L650N 2550E	Soil	19	29	0.58	248	0.067	<20	1.83	0.018	0.08	0.2	0.05	3.9	0.2	0.05	6
L650N 2600E	Soil	10	17	0.25	137	0.057	<20	1.26	0.012	0.07	0.1	0.02	1.7	0.1	<0.05	6
L650N 2650E	Soil	35	31	0.49	228	0.059	<20	2.04	0.019	0.07	0.1	0.08	4.1	0.2	<0.05	6
L650N 2700E	Soil	13	27	0.46	121	0.079	<20	1.86	0.012	0.07	0.2	0.03	2.7	0.2	<0.05	7
L650N 2750E	Soil	16	33	0.62	212	0.072	<20	2.30	0.017	0.08	0.1	0.06	4.0	0.2	<0.05	7
L650N 2900E	Soil	7	18	0.26	130	0.054	<20	1.09	0.014	0.08	<0.1	0.05	1.3	0.1	<0.05	6
L650N 2950E	Soil	9	26	0.45	100	0.084	<20	1.74	0.012	0.05	0.1	0.02	2.3	0.1	<0.05	8
L650N 3000E	Soil	14	17	0.41	154	0.139	<20	2.28	0.017	0.12	<0.1	0.03	2.2	0.2	<0.05	9
L700N 0E	Soil	20	35	0.61	250	0.069	<20	2.13	0.014	0.08	0.1	0.04	4.2	0.2	<0.05	6
L700N 50N	Soil	32	32	0.56	279	0.057	<20	2.10	0.018	0.07	0.2	0.05	3.8	0.2	0.07	6
L700N 100E	Soil	21	33	0.58	287	0.069	<20	2.12	0.017	0.08	0.2	0.04	4.1	0.1	<0.05	6
L700N 150E	Soil	19	30	0.59	243	0.069	<20	2.06	0.014	0.07	0.3	0.03	3.8	0.2	<0.05	6
L700N 200E	Soil	22	27	0.58	236	0.062	<20	2.10	0.014	0.08	0.3	0.04	4.6	0.2	<0.05	6
L700N 250E	Soil	22	32	0.56	252	0.073	<20	1.98	0.015	0.10	0.2	0.05	3.6	0.2	<0.05	7
L700N 400E	Soil	16	27	0.55	331	0.059	<20	1.65	0.019	0.11	0.3	0.04	3.8	0.2	0.09	5
L700N 500E	Soil	21	31	0.65	275	0.077	<20	1.76	0.019	0.11	<0.1	0.03	4.7	0.2	<0.05	5

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Method	Analyte	Unit	MDL	1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX U ppm 0.1	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001
L700N 1000E	Soil			1.1	24.6	53.0	310	0.5	15.5	7.5	598	2.74	19.7	1.9	2.7	1.8	31	3.0	1.3	1.1	73	0.45	0.047
L700N 1050E	Soil			0.9	36.8	149.9	307	1.4	17.2	9.6	792	3.08	17.9	4.8	4.9	2.9	32	1.4	1.8	1.0	73	0.48	0.071
L700N 1200E	Soil			0.9	31.4	119.6	217	1.1	16.9	12.4	1575	2.97	19.3	2.0	8.6	4.0	26	0.8	2.6	2.2	65	0.41	0.060
L700N 1350E	Soil			0.9	16.1	40.0	116	0.9	14.9	6.7	353	2.83	9.9	0.8	0.9	2.3	24	0.5	1.0	1.7	80	0.30	0.022
L700N 1450E	Soil			0.8	26.3	67.6	181	0.6	19.7	10.6	516	3.02	10.6	1.6	5.5	4.9	22	0.9	0.8	0.8	77	0.28	0.027
L700N 1500E	Soil			0.9	21.3	61.3	126	0.3	11.3	5.2	321	1.84	7.4	1.0	1.9	0.7	19	3.2	0.7	0.5	54	0.20	0.029
L700N 1650E	Soil			1.5	37.1	45.5	124	0.5	20.0	10.8	972	3.33	19.0	2.3	5.0	1.9	24	0.5	2.1	0.8	82	0.31	0.057
L700N 1700E	Soil			1.1	17.9	31.6	124	0.2	15.2	6.5	303	2.55	13.4	0.7	1.2	2.7	21	0.6	0.9	0.7	69	0.28	0.035
L700N 1800E	Soil			0.7	37.6	235.3	277	3.1	10.5	10.5	480	5.59	391.0	10.0	14.6	14.7	27	0.8	1.7	0.5	75	0.38	0.083
L700N 1850E	Soil			0.7	10.1	263.8	242	0.3	15.4	7.8	506	2.48	10.9	1.3	2.8	6.8	19	0.8	1.1	0.3	70	0.30	0.058
L700N 1900E	Soil			0.9	19.1	138.7	168	0.5	17.5	15.7	1424	3.84	22.1	2.7	2.6	8.1	23	0.8	1.4	0.3	73	0.45	0.077
L700N 1950E	Soil			1.6	33.6	112.5	194	0.4	20.3	15.3	1148	3.86	17.1	3.9	3.1	10.6	27	1.0	1.8	0.8	89	0.45	0.089
L700N S2000E	Soil			1.2	13.7	83.6	167	0.5	16.7	10.0	719	3.00	11.3	1.7	1.4	1.7	22	0.7	0.8	0.3	84	0.31	0.104
L700N S2050E	Soil			1.0	11.8	43.2	139	0.1	18.0	14.1	2561	4.52	26.2	1.9	48.8	7.8	25	0.5	0.6	0.3	101	0.47	0.083
L700N S2100E	Soil			1.0	14.8	96.6	346	0.4	17.0	13.0	1246	3.31	15.8	1.8	1.1	6.3	25	1.8	0.6	0.2	76	0.44	0.074
L700N S2200E	Soil			1.1	15.9	33.4	117	0.8	18.3	8.9	449	3.22	14.5	3.2	5.9	2.9	22	0.5	0.5	0.3	73	0.30	0.079
L700N S2300E	Soil			0.5	25.6	54.1	124	2.1	12.6	7.5	301	1.77	5.2	6.3	6.6	2.2	34	1.0	1.2	1.7	37	0.53	0.091
L700N S2400E	Soil			0.6	20.0	60.0	166	0.9	14.2	11.7	339	2.69	9.0	2.1	5.5	3.9	33	0.6	0.9	1.2	71	0.52	0.078
L700N S2450E	Soil			0.5	19.3	46.2	145	0.8	15.3	8.1	389	2.30	7.6	1.9	4.2	3.4	26	0.8	0.4	1.2	54	0.37	0.059
L700N S2500E	Soil			0.8	25.2	46.6	165	0.8	15.6	11.0	888	2.77	14.0	2.1	16.2	3.5	25	1.6	0.6	1.9	67	0.35	0.063
L700N S2550E	Soil			0.7	26.0	65.5	180	1.1	17.8	13.2	1241	3.05	20.5	1.8	8.0	2.7	26	1.3	0.7	2.8	71	0.36	0.067
L700N S2600E	Soil			0.9	12.2	12.0	37	0.3	6.6	3.0	103	1.33	5.2	0.7	1.9	0.4	12	0.4	0.4	0.5	41	0.09	0.043
L700N S2650E	Soil			0.7	26.3	26.1	153	0.3	17.4	10.8	561	3.07	11.9	1.9	4.9	5.4	19	0.8	0.5	0.8	70	0.31	0.068
L700N S2700E	Soil			0.8	24.1	43.0	144	0.8	15.3	9.3	465	2.76	16.1	1.9	12.8	3.2	24	0.8	0.6	1.9	67	0.31	0.056
L700N S2750E	Soil			0.8	24.2	54.5	162	1.1	16.7	12.8	1063	2.77	15.6	2.0	8.4	2.8	25	1.0	0.5	2.1	67	0.35	0.059
L700N S2800E	Soil			0.9	32.5	325.7	183	1.6	17.2	11.1	759	3.10	16.6	2.8	9.4	3.5	22	0.6	0.9	1.7	74	0.27	0.060
L700N S2850E	Soil			0.8	30.1	102.8	156	1.0	16.9	8.9	366	2.90	14.1	2.2	5.9	3.1	19	0.8	0.6	1.4	76	0.22	0.053
L700N S2900E	Soil			0.9	37.1	91.3	114	1.2	17.0	7.1	285	2.85	11.9	4.0	8.4	4.4	18	0.6	0.5	1.1	63	0.20	0.057
L750N 200E	Soil			1.3	28.9	93.2	171	1.2	16.7	11.4	852	3.16	8.4	4.4	2.5	5.8	29	0.6	2.3	0.8	72	0.40	0.058
L750N 300E	Soil			0.6	14.2	39.0	264	0.3	16.4	10.4	746	3.00	28.4	2.8	1.3	4.6	48	1.8	0.7	0.6	71	0.64	0.060

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L700N 1000E	Soil	12	29	0.55	222	0.079	<20	1.73	0.017	0.10	0.1	0.04	2.9	0.2	<0.05	6
L700N 1050E	Soil	21	33	0.67	273	0.085	<20	2.19	0.020	0.09	0.2	0.04	4.5	0.2	<0.05	6
L700N 1200E	Soil	13	29	0.60	292	0.072	<20	1.91	0.013	0.09	0.1	0.03	3.7	0.2	<0.05	6
L700N 1350E	Soil	10	25	0.48	186	0.098	<20	1.71	0.012	0.10	<0.1	0.03	2.5	0.2	<0.05	7
L700N 1450E	Soil	11	35	0.59	222	0.080	<20	2.27	0.010	0.06	<0.1	0.02	3.5	0.2	<0.05	7
L700N 1500E	Soil	10	21	0.30	202	0.064	<20	1.14	0.013	0.08	<0.1	0.02	1.8	0.1	<0.05	5
L700N 1650E	Soil	18	32	0.59	355	0.071	<20	2.18	0.012	0.10	0.2	0.04	3.9	0.2	<0.05	7
L700N 1700E	Soil	11	27	0.59	267	0.089	<20	1.77	0.009	0.07	<0.1	0.02	3.2	0.2	<0.05	7
L700N 1800E	Soil	61	28	0.40	709	0.011	<20	2.66	0.011	0.14	0.1	0.52	13.0	0.6	<0.05	6
L700N 1850E	Soil	13	27	0.58	246	0.061	<20	2.03	0.012	0.08	0.1	0.08	3.5	0.4	<0.05	6
L700N 1900E	Soil	23	30	0.65	410	0.079	<20	2.04	0.010	0.11	0.1	0.08	5.8	0.3	<0.05	6
L700N 1950E	Soil	24	33	0.74	454	0.122	<20	2.03	0.019	0.19	0.1	0.05	7.0	0.4	<0.05	7
L700N S2000E	Soil	11	35	0.60	322	0.079	<20	2.06	0.023	0.09	0.2	0.04	3.6	0.3	0.06	8
L700N S2050E	Soil	14	32	0.71	279	0.103	<20	2.10	0.016	0.09	0.2	0.03	4.5	0.2	<0.05	7
L700N S2100E	Soil	16	30	0.61	275	0.062	<20	1.84	0.018	0.10	0.3	0.02	4.9	0.2	<0.05	6
L700N S2200E	Soil	17	34	0.55	198	0.048	<20	2.15	0.015	0.08	0.3	0.05	3.7	0.2	<0.05	7
L700N S2300E	Soil	34	27	0.47	356	0.050	<20	1.71	0.022	0.09	0.2	0.10	4.8	0.2	0.13	5
L700N S2400E	Soil	18	27	0.67	269	0.078	<20	1.88	0.018	0.11	0.2	0.04	4.9	0.2	0.05	6
L700N S2450E	Soil	15	29	0.62	234	0.067	<20	1.95	0.019	0.12	0.3	0.05	4.0	0.2	<0.05	6
L700N S2500E	Soil	18	26	0.57	280	0.072	<20	1.89	0.013	0.10	0.2	0.04	3.5	0.2	<0.05	6
L700N S2550E	Soil	15	31	0.64	248	0.073	<20	2.14	0.018	0.10	0.1	0.06	3.6	0.2	<0.05	7
L700N S2600E	Soil	7	13	0.16	68	0.041	<20	0.88	0.017	0.06	0.1	0.04	1.2	<0.1	<0.05	5
L700N S2650E	Soil	15	31	0.68	172	0.098	<20	2.08	0.015	0.10	0.1	0.02	3.6	0.2	<0.05	6
L700N S2700E	Soil	15	29	0.59	204	0.076	<20	2.02	0.017	0.08	0.1	0.05	3.4	0.2	<0.05	7
L700N S2750E	Soil	14	32	0.62	231	0.075	<20	2.10	0.017	0.09	0.1	0.08	3.7	0.2	<0.05	7
L700N S2800E	Soil	14	34	0.62	184	0.078	<20	2.26	0.015	0.09	0.1	0.06	4.1	0.2	<0.05	7
L700N S2850E	Soil	16	31	0.61	205	0.083	<20	2.22	0.015	0.09	0.1	0.12	3.8	0.2	<0.05	8
L700N S2900E	Soil	22	31	0.56	185	0.073	<20	2.29	0.013	0.08	0.1	0.07	4.8	0.2	<0.05	7
L750N 200E	Soil	21	32	0.61	249	0.073	<20	1.96	0.012	0.10	0.2	0.04	4.8	0.2	<0.05	6
L750N 300E	Soil	20	27	0.68	340	0.080	<20	2.18	0.019	0.13	0.3	0.04	4.0	0.2	<0.05	6

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Method	Analyte	Unit	MDL	1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX U ppm 0.1	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001
L750N 450E	Soil			0.9	17.7	49.9	250	0.2	15.9	9.8	784	2.88	18.6	5.7	1.1	2.6	74	2.3	1.0	0.4	60	0.89	0.064
L750N 500E	Soil			1.0	19.1	61.3	253	0.3	14.5	11.1	949	3.03	24.7	7.0	1.5	6.4	67	1.6	1.1	0.3	69	0.87	0.063
L750N 700E	Soil			0.8	17.1	49.7	277	0.2	15.7	8.6	505	2.67	22.9	1.4	1.1	3.5	36	3.2	0.6	0.4	75	0.51	0.029
L750N 800E	Soil			1.5	31.9	86.8	220	0.6	17.0	10.9	872	3.15	22.0	6.2	4.7	3.3	31	0.5	0.9	1.1	75	0.43	0.084
L750N 850E	Soil			1.3	36.6	118.5	189	1.0	17.4	10.3	726	2.86	17.7	5.0	3.5	3.0	29	1.0	1.0	0.9	70	0.38	0.069
L750N 900E	Soil			1.5	44.8	94.9	239	2.2	16.4	8.5	650	2.74	18.0	5.4	6.9	2.7	31	1.1	2.6	1.1	66	0.45	0.078
L750N 1000E	Soil			1.2	34.4	94.0	358	0.6	17.7	10.8	1009	3.25	26.0	4.4	10.1	5.4	25	1.7	1.6	1.5	71	0.36	0.060
L750N 1100E	Soil			1.2	25.3	63.1	168	1.0	17.2	9.6	633	3.19	12.9	4.1	3.5	5.0	30	0.8	1.0	0.8	79	0.46	0.055
L750N 1400E	Soil			1.0	23.0	59.7	186	0.7	16.3	9.5	726	2.75	10.2	0.9	1.5	2.9	29	1.1	1.3	2.8	73	0.44	0.048
L750N 1550E	Soil			0.8	28.5	78.4	195	0.3	18.2	8.8	511	3.12	17.1	1.3	3.0	3.0	25	0.4	1.7	1.2	79	0.36	0.040
L750N 1600E	Soil			1.5	26.8	110.3	249	0.4	17.3	9.3	808	3.48	46.7	1.8	4.6	4.3	26	1.1	1.2	0.7	75	0.37	0.055
L750N 1650E	Soil			1.8	22.4	58.9	135	0.1	14.9	15.6	1626	3.41	29.7	0.9	2.4	3.9	25	0.3	4.1	0.7	85	0.42	0.069
L750N 1700E	Soil			1.6	20.2	42.1	134	0.3	12.9	9.3	1291	3.16	17.8	1.1	9.1	2.0	22	0.5	1.9	0.8	76	0.30	0.062
L750N 1750E	Soil			1.4	27.3	39.8	131	0.4	19.5	9.9	607	2.90	11.9	1.3	3.0	2.6	21	0.9	1.1	0.5	73	0.28	0.063
L750N 1800E	Soil			0.6	23.3	29.8	104	0.4	18.6	10.3	350	3.09	8.0	2.0	2.6	4.6	21	0.5	0.6	0.3	75	0.32	0.062
L750N 1850E	Soil			1.2	13.8	304.6	360	0.4	8.6	10.4	1752	3.55	25.9	1.6	5.9	4.3	21	1.0	1.4	3.1	62	0.31	0.078
L750N 1950E	Soil			2.6	17.0	43.9	210	0.7	18.4	15.2	>10000	3.34	14.5	2.2	2.9	2.8	29	5.3	1.0	0.9	62	0.39	0.091
L750N 2000E	Soil			0.9	13.0	77.9	169	0.6	17.2	12.8	1273	3.30	18.7	1.6	2.8	5.4	33	0.6	0.9	0.6	71	0.51	0.079
L750N 2050E	Soil			1.1	11.2	92.1	134	0.4	14.1	14.5	2247	3.08	15.1	3.0	1.2	7.8	36	1.0	0.9	0.3	74	0.59	0.099
L750N 2100E	Soil			1.2	20.3	83.7	165	0.5	16.5	16.1	1190	3.92	25.3	3.4	1.9	8.8	31	0.9	1.2	0.6	86	0.56	0.102
L750N 2150E	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
L750N 2200E	Soil			1.3	38.1	141.9	221	3.2	18.0	10.7	1658	3.35	24.2	6.7	13.5	4.8	57	1.4	2.0	3.8	71	0.90	0.106
L750N 2250E	Soil			1.6	27.4	222.1	237	0.9	13.9	24.4	3179	5.25	43.8	2.5	6.1	13.9	22	2.0	2.2	2.1	97	0.42	0.094
L750N 2300E	Soil			0.8	31.1	183.2	226	2.9	16.8	11.7	761	3.34	22.3	3.3	17.1	7.3	38	1.2	2.2	4.3	73	0.63	0.075
L750N 2350E	Soil			0.9	13.4	47.2	114	0.8	13.2	11.2	1294	2.62	12.2	2.0	3.6	1.9	36	0.6	0.6	1.4	54	0.44	0.076
L750N 2400E	Soil			0.8	20.0	50.7	111	0.8	13.9	7.5	427	2.47	10.6	3.5	5.8	2.5	40	0.7	0.6	1.3	51	0.40	0.065
L750N 2450E	Soil			0.8	18.6	54.3	131	0.8	13.5	10.2	799	2.74	14.0	2.3	4.4	2.6	26	0.8	0.5	1.5	62	0.31	0.070
L750N 2500E	Soil			0.6	21.8	57.2	140	1.1	13.3	8.6	765	2.65	19.0	2.1	7.5	2.8	29	1.9	0.6	2.6	59	0.36	0.063
L750N 2550E	Soil			0.8	31.8	60.6	169	1.2	16.1	11.5	939	2.87	21.6	2.8	10.7	3.2	37	1.2	0.8	3.0	63	0.41	0.066
L750N 2600E	Soil			0.8	27.8	40.5	129	0.8	14.1	8.4	488	2.68	16.6	2.3	7.0	2.1	37	0.6	0.6	1.9	61	0.41	0.064

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L750N 450E	Soil	14	29	0.58	221	0.056	<20	1.77	0.020	0.12	<0.1	0.04	4.3	0.2	0.08	5
L750N 500E	Soil	18	25	0.58	280	0.064	<20	1.64	0.016	0.13	0.1	0.03	4.3	0.2	0.05	5
L750N 700E	Soil	11	28	0.57	225	0.097	<20	1.74	0.013	0.12	0.1	0.01	3.2	0.2	<0.05	7
L750N 800E	Soil	22	34	0.58	269	0.069	<20	2.29	0.015	0.11	0.2	0.06	5.2	0.2	0.05	6
L750N 850E	Soil	18	32	0.55	260	0.062	<20	2.12	0.012	0.08	0.3	0.07	4.1	0.2	<0.05	6
L750N 900E	Soil	25	29	0.53	293	0.059	<20	1.91	0.012	0.08	0.4	0.11	4.4	0.2	<0.05	6
L750N 1000E	Soil	18	33	0.63	249	0.068	<20	2.26	0.008	0.11	0.2	0.04	5.2	0.2	<0.05	6
L750N 1100E	Soil	15	34	0.62	258	0.079	<20	2.17	0.010	0.10	0.1	0.05	4.4	0.2	<0.05	6
L750N 1400E	Soil	11	30	0.58	247	0.092	<20	1.67	0.014	0.09	<0.1	0.02	3.1	0.2	<0.05	6
L750N 1550E	Soil	12	36	0.67	273	0.074	<20	2.21	0.014	0.08	<0.1	0.02	3.9	0.2	<0.05	7
L750N 1600E	Soil	17	32	0.62	301	0.059	<20	2.06	0.012	0.10	<0.1	0.03	4.2	0.3	<0.05	7
L750N 1650E	Soil	11	28	0.69	254	0.112	<20	1.71	0.013	0.11	0.1	0.02	3.7	0.2	<0.05	6
L750N 1700E	Soil	13	28	0.52	264	0.044	<20	1.69	0.011	0.11	<0.1	0.02	3.3	0.3	<0.05	7
L750N 1750E	Soil	13	31	0.51	300	0.079	<20	1.86	0.012	0.10	<0.1	0.03	3.9	0.2	<0.05	6
L750N 1800E	Soil	18	35	0.72	279	0.099	<20	2.29	0.013	0.09	0.1	0.02	5.3	0.3	<0.05	7
L750N 1850E	Soil	18	19	0.37	307	0.024	<20	1.41	0.009	0.08	<0.1	0.04	3.5	0.4	<0.05	5
L750N 1950E	Soil	18	21	0.41	1496	0.048	<20	1.32	0.018	0.05	0.1	0.04	4.0	0.3	<0.05	5
L750N 2000E	Soil	15	33	0.60	364	0.085	<20	1.89	0.020	0.09	0.1	0.07	4.8	0.3	<0.05	6
L750N 2050E	Soil	18	26	0.54	394	0.078	<20	1.53	0.022	0.09	2.2	0.04	4.8	0.2	<0.05	5
L750N 2100E	Soil	23	28	0.68	389	0.110	<20	1.76	0.021	0.12	0.1	0.03	5.6	0.2	<0.05	6
L750N 2150E	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
L750N 2200E	Soil	28	34	0.55	526	0.052	<20	1.81	0.032	0.09	0.1	0.07	6.1	0.2	0.07	5
L750N 2250E	Soil	23	21	0.72	439	0.100	<20	1.52	0.015	0.12	0.2	0.02	4.6	0.3	<0.05	6
L750N 2300E	Soil	20	32	0.66	366	0.086	<20	1.88	0.020	0.11	0.2	0.04	6.0	0.3	<0.05	6
L750N 2350E	Soil	16	22	0.51	384	0.058	<20	1.55	0.026	0.09	0.2	0.05	4.2	0.2	0.06	6
L750N 2400E	Soil	27	24	0.45	322	0.056	<20	1.66	0.017	0.07	0.2	0.06	4.6	0.2	<0.05	5
L750N 2450E	Soil	16	25	0.53	247	0.058	<20	1.78	0.016	0.08	0.1	0.07	4.2	0.2	<0.05	6
L750N 2500E	Soil	19	25	0.51	292	0.074	<20	1.80	0.019	0.08	0.2	0.05	4.3	0.2	0.06	6
L750N 2550E	Soil	19	28	0.57	294	0.072	<20	1.98	0.021	0.10	0.2	0.05	5.0	0.2	<0.05	7
L750N 2600E	Soil	17	26	0.52	253	0.082	<20	1.84	0.018	0.08	0.3	0.05	3.8	0.2	<0.05	6

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Method Analyte Unit MDL		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																				
L350N S1200E	Soil	1.0	188.2	1569	1279	7.7	6.2	14.1	2331	3.70	24.1	6.4	15.5	15.6	21	8.2	12.9	0.9	57	0.33
REP L350N S1200E	QC	1.1	190.8	1620	1320	7.5	6.1	14.7	2402	3.88	24.0	6.3	17.1	15.5	21	8.5	13.9	1.0	60	0.34
L350N 2550E	Soil	0.4	14.7	33.7	161	0.4	18.0	11.7	929	3.24	14.7	4.4	1.5	11.0	26	0.5	0.6	0.1	73	0.36
REP L350N 2550E	QC	0.6	13.9	33.7	155	0.5	17.9	11.4	905	3.15	14.1	4.4	1.3	10.7	26	0.6	0.5	0.2	72	0.36
L400N 1100E	Soil	1.0	17.9	35.5	100	0.3	16.8	12.9	689	3.30	9.3	1.1	1.9	8.1	13	0.6	0.6	0.3	73	0.13
REP L400N 1100E	QC	1.2	18.7	34.5	101	0.3	16.3	12.9	690	3.30	9.5	1.1	1.3	8.4	13	0.7	0.7	0.3	74	0.13
L400N 1300E	Soil	0.4	21.3	200.9	317	0.6	7.7	8.2	931	2.62	9.2	3.7	3.4	10.0	20	1.5	3.2	1.0	53	0.35
REP L400N 1300E	QC	0.5	19.9	192.5	327	0.5	8.1	8.3	941	2.61	9.4	3.4	3.0	8.5	20	1.5	2.4	0.5	56	0.34
L400N 2850E	Soil	0.8	18.3	46.6	173	0.8	16.2	10.5	732	2.61	12.9	9.4	34.4	2.3	38	0.7	0.4	0.5	62	0.62
REP L400N 2850E	QC	0.7	18.8	46.3	166	0.8	16.5	9.8	681	2.51	12.5	9.2	2.0	2.3	40	0.7	0.4	0.5	59	0.59
L450N S2350E	Soil	1.0	16.6	28.3	114	0.1	22.2	11.4	684	3.16	18.7	1.4	1.5	3.5	25	0.7	0.4	0.2	82	0.36
REP L450N S2350E	QC	0.9	16.8	28.1	109	0.2	23.1	12.0	687	3.27	19.5	1.4	<0.5	3.4	24	0.6	0.4	0.2	81	0.35
L500N 300E	Soil	1.0	11.7	39.2	172	<0.1	10.4	11.7	1241	2.85	21.8	1.7	0.5	15.1	17	1.6	0.6	0.2	63	0.36
REP L500N 300E	QC	0.8	11.7	39.7	164	0.1	11.2	12.0	1243	2.67	19.1	2.1	0.6	15.4	18	1.4	0.8	0.3	58	0.36
L500N 1550E	Soil	1.4	12.4	41.5	168	0.2	15.3	7.0	493	2.52	79.3	1.6	4.7	2.5	21	1.1	1.0	0.5	65	0.23
REP L500N 1550E	QC	1.4	13.7	41.4	180	0.3	15.6	7.3	505	2.62	82.1	1.7	5.6	2.5	22	1.2	0.9	0.5	66	0.25
L550N 1100E	Soil	0.7	28.2	259.2	367	0.6	11.7	11.0	1413	3.56	16.6	3.9	3.6	12.3	22	1.6	2.7	0.5	78	0.44
REP L550N 1100E	QC	0.8	31.4	260.4	370	0.5	12.2	10.9	1439	3.36	16.4	4.1	2.9	13.0	22	1.7	2.6	0.5	78	0.44
L550N 1800E	Soil	1.0	18.5	21.2	70	0.2	19.2	17.4	1027	3.71	13.0	3.3	0.7	8.2	15	0.3	0.5	0.2	76	0.26
REP L550N 1800E	QC	0.8	17.8	20.7	72	0.2	17.4	17.2	1020	3.73	13.3	3.0	0.7	8.0	14	0.3	0.6	0.2	76	0.23
L600N 200E	Soil	1.9	24.3	311.2	193	3.5	15.4	11.5	974	2.94	8.2	8.7	2.3	10.2	37	2.4	1.3	0.4	64	0.52
REP L600N 200E	QC	1.8	25.3	311.4	187	3.4	15.7	11.7	979	3.05	8.4	8.8	2.0	10.3	38	2.5	1.3	0.4	65	0.52
L600N 1800E	Soil	1.3	16.7	32.3	103	<0.1	17.9	20.3	1247	4.00	9.3	2.0	1.5	7.3	15	0.7	0.6	0.2	85	0.21
REP L600N 1800E	QC	1.3	16.3	32.0	106	0.1	18.7	20.4	1251	4.10	9.9	1.9	1.8	7.8	16	0.7	0.6	0.2	87	0.21
L650N 1200E	Soil	0.8	23.4	59.4	171	1.2	14.1	8.6	525	2.66	16.2	1.4	3.8	4.2	25	0.5	1.7	1.9	65	0.38
REP L650N 1200E	QC	0.9	24.7	58.1	179	1.2	15.3	8.7	562	2.81	15.8	1.5	3.1	4.5	25	0.5	1.7	2.0	72	0.40
L650N 1850E	Soil	0.5	11.2	73.5	432	0.4	11.5	10.7	862	4.03	7.2	4.0	2.1	20.0	22	1.9	0.9	0.3	73	0.45
REP L650N 1850E	QC	0.6	10.6	72.7	418	0.4	12.4	10.3	886	4.01	7.2	4.0	1.1	19.4	22	2.0	0.9	0.3	76	0.45

QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
Pulp Duplicates																	
L350N S1200E	Soil	26	7	0.54	775	0.046	<20	1.47	0.016	0.26	0.1	0.08	8.7	0.4	<0.05	4	<0.5
REP L350N S1200E	QC	26	7	0.53	756	0.047	<20	1.44	0.015	0.26	<0.1	0.08	9.1	0.4	<0.05	4	0.5
L350N 2550E	Soil	23	29	0.65	232	0.107	<20	1.77	0.015	0.09	0.2	0.02	5.7	0.2	<0.05	6	<0.5
REP L350N 2550E	QC	25	29	0.65	227	0.107	<20	1.77	0.015	0.09	0.1	0.03	5.7	0.3	<0.05	6	<0.5
L400N 1100E	Soil	13	28	0.58	181	0.086	<20	2.28	0.009	0.13	<0.1	0.03	3.9	0.3	<0.05	7	<0.5
REP L400N 1100E	QC	13	27	0.58	183	0.085	<20	2.28	0.009	0.13	0.2	0.02	4.0	0.3	<0.05	7	<0.5
L400N 1300E	Soil	24	13	0.61	337	0.074	<20	1.76	0.011	0.29	0.1	0.03	4.1	0.3	<0.05	5	<0.5
REP L400N 1300E	QC	24	13	0.60	327	0.076	<20	1.69	0.011	0.30	<0.1	0.02	4.2	0.3	<0.05	5	<0.5
L400N 2850E	Soil	24	34	0.58	236	0.057	<20	1.96	0.015	0.09	0.2	0.05	5.2	0.2	<0.05	7	<0.5
REP L400N 2850E	QC	23	33	0.60	230	0.057	<20	1.96	0.016	0.09	0.1	0.05	5.3	0.2	<0.05	7	<0.5
L450N S2350E	Soil	14	33	0.67	218	0.098	<20	1.90	0.015	0.08	<0.1	0.02	3.6	0.1	<0.05	7	<0.5
REP L450N S2350E	QC	15	32	0.66	215	0.096	<20	1.91	0.015	0.07	<0.1	0.01	3.3	0.1	<0.05	7	<0.5
L500N 300E	Soil	19	15	0.63	220	0.094	<20	1.15	0.018	0.18	0.1	<0.01	4.0	0.2	<0.05	4	<0.5
REP L500N 300E	QC	17	15	0.55	207	0.082	<20	1.11	0.017	0.15	0.1	0.01	3.7	0.2	<0.05	4	<0.5
L500N 1550E	Soil	12	27	0.49	240	0.056	<20	1.58	0.011	0.07	0.1	0.04	2.5	0.2	<0.05	6	0.7
REP L500N 1550E	QC	12	28	0.50	243	0.056	<20	1.57	0.011	0.07	0.1	0.04	2.7	0.2	<0.05	6	0.6
L550N 1100E	Soil	25	23	0.67	314	0.142	<20	1.56	0.014	0.24	0.2	0.03	6.2	0.4	<0.05	5	0.7
REP L550N 1100E	QC	24	24	0.69	315	0.140	<20	1.58	0.017	0.24	0.3	0.02	6.0	0.4	<0.05	5	0.8
L550N 1800E	Soil	20	30	0.63	190	0.083	<20	2.75	0.011	0.09	<0.1	0.04	4.3	0.2	<0.05	7	0.6
REP L550N 1800E	QC	18	27	0.68	185	0.091	<20	2.72	0.010	0.09	<0.1	0.03	4.3	0.2	<0.05	7	<0.5
L600N 200E	Soil	34	29	0.52	342	0.057	<20	2.03	0.018	0.11	0.2	0.12	6.3	0.3	<0.05	6	<0.5
REP L600N 200E	QC	34	29	0.55	337	0.057	<20	2.13	0.019	0.11	0.1	0.11	6.1	0.3	<0.05	6	0.6
L600N 1800E	Soil	14	35	0.59	176	0.093	<20	3.15	0.014	0.07	0.1	0.04	4.7	0.2	<0.05	8	0.7
REP L600N 1800E	QC	14	35	0.61	168	0.095	<20	2.84	0.011	0.07	<0.1	0.08	4.7	0.2	<0.05	8	0.9
L650N 1200E	Soil	11	29	0.55	266	0.097	<20	1.79	0.011	0.09	0.1	0.03	4.0	0.2	<0.05	6	<0.5
REP L650N 1200E	QC	11	31	0.57	274	0.099	<20	1.74	0.011	0.09	0.3	0.03	3.9	0.2	<0.05	6	0.6
L650N 1850E	Soil	31	21	0.68	443	0.057	<20	2.13	0.010	0.21	0.1	0.05	7.9	0.4	<0.05	6	<0.5
REP L650N 1850E	QC	31	20	0.69	442	0.058	<20	2.18	0.011	0.21	<0.1	0.04	8.1	0.4	<0.05	6	0.5

QUALITY CONTROL REPORT

VAN07000883.1

		1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX U ppm 0.1	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001
L700N 1050E	Soil	0.9	36.8	149.9	307	1.4	17.2	9.6	792	3.08	17.9	4.8	4.9	2.9	32	1.4	1.8	1.0	73	0.48	0.071
REP L700N 1050E	QC	0.9	35.6	155.0	318	1.4	18.0	10.2	831	3.10	18.5	5.1	4.6	3.0	33	1.2	1.9	1.0	74	0.49	0.072
L700N 1350E	Soil	0.9	16.1	40.0	116	0.9	14.9	6.7	353	2.83	9.9	0.8	0.9	2.3	24	0.5	1.0	1.7	80	0.30	0.022
REP L700N 1350E	QC	0.9	15.9	39.6	115	0.8	15.0	6.6	344	2.84	10.0	0.7	2.0	2.2	23	0.6	0.9	1.7	80	0.30	0.021
L700N S2900E	Soil	0.9	37.1	91.3	114	1.2	17.0	7.1	285	2.85	11.9	4.0	8.4	4.4	18	0.6	0.5	1.1	63	0.20	0.057
REP L700N S2900E	QC	0.8	38.0	90.9	111	1.1	15.4	7.2	294	2.83	11.6	4.0	8.4	4.4	18	0.6	0.5	1.1	60	0.20	0.055
L750N 2300E	Soil	0.8	31.1	183.2	226	2.9	16.8	11.7	761	3.34	22.3	3.3	17.1	7.3	38	1.2	2.2	4.3	73	0.63	0.075
REP L750N 2300E	QC	0.9	30.7	180.4	216	2.7	16.6	11.5	773	3.21	22.4	3.2	18.2	7.1	36	1.2	2.1	3.9	70	0.59	0.070
Reference Materials																					
STD DS7	Standard	21.1	102.8	68.8	384	0.8	57.3	9.0	635	2.40	53.3	4.8	56.6	4.6	76	6.2	5.1	4.7	84	0.94	0.084
STD DS7	Standard	20.1	103.5	68.0	393	1.1	57.4	9.3	631	2.44	50.8	4.9	55.1	4.0	73	6.1	5.6	4.6	88	0.95	0.079
STD DS7	Standard	20.4	105.0	61.2	432	0.9	60.2	9.8	614	2.40	45.9	4.4	49.9	3.7	66	6.4	4.9	4.3	92	0.91	0.083
STD DS7	Standard	22.8	118.3	64.7	435	0.8	59.7	10.2	656	2.49	50.1	4.8	60.1	4.1	70	6.2	4.4	4.3	93	1.00	0.086
STD DS7	Standard	22.6	131.7	66.0	440	0.8	62.4	10.2	656	2.56	51.2	4.4	60.8	4.1	70	6.3	4.8	4.6	96	1.03	0.079
STD DS7	Standard	22.3	113.9	69.8	431	1.2	57.6	9.6	625	2.46	46.5	4.6	75.8	4.1	79	6.0	4.6	4.7	88	0.97	0.074
STD DS7	Standard	24.4	117.1	59.0	425	0.8	62.8	10.3	645	2.50	47.4	4.3	54.0	3.7	66	6.8	4.6	4.1	93	0.95	0.083
STD DS7	Standard	22.2	108.9	62.2	397	0.8	59.7	9.7	621	2.38	50.4	4.3	56.7	3.8	70	5.9	5.0	4.1	90	0.94	0.079
STD DS7	Standard	22.6	115.0	68.2	430	0.8	61.8	10.2	652	2.56	53.6	4.7	65.1	4.3	75	6.7	5.1	4.6	90	0.99	0.080
STD DS7	Standard	19.7	104.4	65.2	400	0.7	55.7	9.2	603	2.32	45.1	4.3	54.1	3.9	68	6.1	5.3	4.3	79	0.87	0.080
STD DS7	Standard	20.9	111.1	64.4	420	0.9	60.8	10.0	656	2.51	48.7	4.4	60.7	3.9	76	6.2	5.3	4.3	90	0.98	0.080
STD DS7	Standard	21.7	115.2	64.9	426	0.8	56.9	9.6	640	2.49	48.7	4.5	63.3	4.2	73	6.0	5.1	4.0	91	1.00	0.074
STD DS7 Expected		20.92	109	70.6	411	0.89	56	9.7	627	2.39	48.2	4.9	70	4.4	68.7	6.38	5.86	4.51	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
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

QUALITY CONTROL REPORT

VAN07000883.1

		1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Ti ppm 0.1	1DX S % 0.05	1DX Ga ppm 1	1DX Se ppm 0.5
L700N 1050E	Soil	21	33	0.67	273	0.085	<20	2.19	0.020	0.09	0.2	0.04	4.5	0.2	<0.05	6	<0.5
REP L700N 1050E	QC	21	34	0.65	275	0.086	<20	2.18	0.020	0.10	0.1	0.05	4.8	0.2	<0.05	6	<0.5
L700N 1350E	Soil	10	25	0.48	186	0.098	<20	1.71	0.012	0.10	<0.1	0.03	2.5	0.2	<0.05	7	<0.5
REP L700N 1350E	QC	10	25	0.45	180	0.093	<20	1.63	0.010	0.10	<0.1	0.03	2.4	0.1	<0.05	7	<0.5
L700N S2900E	Soil	22	31	0.56	185	0.073	<20	2.29	0.013	0.08	0.1	0.07	4.8	0.2	<0.05	7	<0.5
REP L700N S2900E	QC	23	31	0.54	183	0.069	<20	2.23	0.012	0.08	0.2	0.07	4.6	0.2	<0.05	7	<0.5
L750N 2300E	Soil	20	32	0.66	366	0.086	<20	1.88	0.020	0.11	0.2	0.04	6.0	0.3	<0.05	6	<0.5
REP L750N 2300E	QC	20	30	0.63	348	0.083	<20	1.75	0.019	0.11	0.2	0.05	5.9	0.3	<0.05	6	<0.5
Reference Materials																	
STD DS7	Standard	13	200	1.10	404	0.126	42	1.04	0.105	0.48	3.8	0.21	2.7	4.4	0.23	5	3.8
STD DS7	Standard	12	183	1.08	374	0.121	41	1.01	0.088	0.47	3.5	0.19	2.5	4.3	0.21	5	3.8
STD DS7	Standard	12	184	1.09	383	0.124	39	1.01	0.097	0.46	3.3	0.19	2.5	4.2	0.24	5	3.5
STD DS7	Standard	13	218	1.15	404	0.138	41	1.11	0.111	0.44	3.4	0.20	2.8	4.4	0.22	5	4.1
STD DS7	Standard	13	225	1.08	399	0.142	29	1.15	0.110	0.48	3.3	0.19	2.7	4.0	0.28	5	4.1
STD DS7	Standard	14	213	1.06	368	0.136	35	1.04	0.091	0.43	5.2	0.20	2.6	4.5	0.22	5	3.5
STD DS7	Standard	12	216	1.07	389	0.125	33	1.05	0.096	0.44	3.5	0.20	2.6	4.5	0.24	5	4.0
STD DS7	Standard	12	191	1.07	376	0.108	31	1.05	0.093	0.48	3.5	0.20	2.2	3.9	0.23	5	3.8
STD DS7	Standard	13	192	1.10	404	0.116	52	1.11	0.105	0.47	3.9	0.22	2.4	4.4	0.23	5	4.0
STD DS7	Standard	11	172	1.05	378	0.103	39	0.98	0.089	0.46	3.5	0.20	2.2	4.2	0.20	5	3.6
STD DS7	Standard	12	217	1.05	385	0.113	38	1.09	0.104	0.48	3.5	0.19	2.4	4.2	0.22	5	3.7
STD DS7	Standard	13	180	1.07	387	0.117	31	1.06	0.094	0.43	4.1	0.21	2.7	4.5	0.20	5	3.2
STD DS7 Expected		12.7	163	1.05	370.3	0.124	38.6	0.959	0.073	0.44	3.8	0.2	2.5	4.19	0.21	4.6	3.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<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	<20	<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	<20	<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	<20	<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	<20	<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	<20	<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	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5

QUALITY CONTROL REPORT

VAN07000883.1

		1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX U ppm 0.1	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

QUALITY CONTROL REPORT

VAN07000883.1

		1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Ti ppm 0.1	1DX S % 0.05	1DX Ga ppm 1	1DX Se ppm 0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<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	<20	<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	<20	<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	<20	<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	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5

Client: **Aurora Geosciences Ltd. (Whitehorse)**

34A Laberge Road.
Whitehorse YT Y1A 6J3 Canada

Submitted By: Mike Wark

Receiving Lab: Acme Analytical Laboratories (Vancouver) Ltd.

Received: August 31, 2007

Report Date: November 09, 2007

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CERTIFICATE OF ANALYSIS

VAN07000885.1

CLIENT JOB INFORMATION

Project: Cassino: WRN-7516-YT
Shipment ID:
P.O. Number
Number of Samples: 385

SAMPLE DISPOSAL

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

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

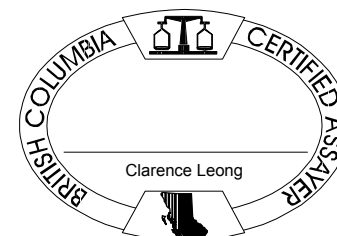
Invoice To: Aurora Geosciences Ltd. (Whitehorse)
34A Laberge Road.
Whitehorse YT Y1A 6J3
Canada

CC: Dave Hildes

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
SS80	382	Dry at 60C sieve 100g to -80 mesh		
Split Reject	382	Reject sample split/packet		
1DX	382	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed

ADDITIONAL COMMENTS



CERTIFICATE OF ANALYSIS

VAN07000885.1

	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
L750N 2650E	Soil	1.0	29.8	51.4	162	1.3	14.3	10.6	800	3.07	19.5	3.9	14.1	3.1	26	0.6	0.7	2.0	73	0.35
L750N 2700E	Soil	0.8	30.8	45.5	150	1.1	14.4	7.6	401	2.56	15.1	4.1	36.1	4.1	24	0.6	0.7	2.0	59	0.31
L750N 2750E	Soil	1.2	37.4	57.9	149	1.0	16.2	12.8	715	3.54	34.2	3.8	19.7	4.7	28	0.6	0.6	2.1	97	0.36
L800N 500E	Soil	1.1	18.4	56.5	241	0.4	13.2	10.5	1000	2.96	22.7	6.8	3.2	4.2	77	1.8	1.4	0.4	63	0.97
L800N 850E	Soil	1.6	26.0	99.3	240	0.8	15.3	10.0	719	3.00	22.5	3.9	3.8	4.6	33	1.3	1.0	1.0	74	0.44
L800N 900E	Soil	1.8	91.8	165.1	499	4.9	17.8	9.5	591	3.14	24.7	11.2	14.2	6.3	46	4.3	3.0	2.0	72	0.65
L800N 950E	Soil	1.9	30.5	73.8	203	0.6	17.7	11.6	936	3.20	17.1	4.7	5.1	4.5	31	0.4	0.9	1.1	74	0.40
L800N 1050E	Soil	1.3	35.6	282.7	438	2.5	15.5	9.1	1166	3.23	22.6	4.4	10.0	6.0	36	3.0	3.6	1.6	71	0.56
L800N 1100E	Soil	1.2	29.1	75.0	211	0.9	17.0	10.4	812	3.15	14.3	5.5	14.5	3.2	40	0.8	1.1	0.9	75	0.60
L800N 1150E	Soil	1.1	35.0	67.3	232	3.1	17.1	9.4	895	3.04	15.1	3.2	9.7	3.2	35	1.0	1.6	1.7	74	0.47
L800N 1200E	Soil	1.1	31.1	71.9	212	1.4	16.3	9.1	941	2.88	16.3	2.3	11.6	3.1	35	1.0	2.1	1.7	69	0.51
L800N 1250E	Soil	1.4	40.0	122.0	226	4.4	16.7	10.5	857	3.66	27.0	4.6	18.5	3.2	31	1.9	2.9	4.9	80	0.44
L800N 1300E	Soil	1.0	25.7	55.6	152	0.8	19.0	13.4	1103	3.54	17.9	2.0	3.7	4.3	31	0.6	1.2	1.6	97	0.43
L800N 1450E	Soil	0.4	20.5	73.3	223	1.5	19.2	7.3	402	2.43	7.3	1.7	4.9	3.7	30	0.5	1.2	1.3	62	0.49
L800N 1500E	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
L800N 1550E	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
L800N 1600E	Soil	0.7	60.8	98.0	222	2.4	18.2	9.5	923	2.94	31.9	2.2	76.8	5.8	23	1.1	7.2	3.1	55	0.32
L800N 1650E	Soil	1.7	26.8	61.2	177	0.2	14.0	13.2	799	4.13	20.0	1.1	1.9	5.4	20	0.7	1.0	0.9	97	0.30
L800N 1700E	Soil	0.7	58.7	94.5	221	2.3	18.9	8.5	858	2.91	30.9	2.0	45.7	5.7	22	1.2	7.2	2.8	54	0.30
L800N 1750E	Soil	1.4	24.7	61.4	169	0.1	14.9	12.2	739	3.98	18.9	1.0	3.1	5.4	19	0.8	1.0	0.8	93	0.28
L800N 1800E	Soil	1.1	16.6	35.0	141	0.3	16.9	10.3	504	3.24	11.2	0.7	2.4	3.4	23	0.8	0.6	0.4	77	0.32
L800N 1850E	Soil	2.8	47.4	86.0	168	1.8	19.1	29.7	3280	5.41	34.9	9.3	15.2	8.6	54	1.2	1.9	1.0	125	0.75
L800N 2000E	Soil	3.9	37.2	121.2	181	0.7	9.5	11.7	1218	2.89	17.0	2.3	5.7	10.6	18	1.5	1.8	1.1	63	0.37
L800N 2050E	Soil	1.7	33.5	363.6	367	2.2	14.2	16.0	2545	4.01	32.1	3.2	8.4	18.1	28	4.2	3.0	4.0	73	0.50
L800N S2150E	Soil	1.0	26.5	103.8	235	1.3	14.9	12.7	1675	4.72	19.2	2.7	8.5	6.8	44	1.5	1.4	1.5	73	0.66
L800N S2300E	Soil	1.1	11.2	28.0	105	0.2	9.0	6.6	523	2.42	12.4	0.6	2.2	2.9	10	0.6	0.6	1.3	68	0.10
L800N S2350E	Soil	0.8	17.4	47.3	144	1.0	14.7	12.7	1336	2.98	13.0	2.5	18.3	4.8	29	0.8	0.5	1.3	67	0.41
L800N S2500E	Soil	0.6	21.6	53.9	167	1.1	16.2	10.2	888	2.69	17.5	1.7	11.9	3.9	23	0.9	0.6	2.6	64	0.32
L800N S2550E	Soil	0.8	34.0	60.7	171	1.4	16.2	11.5	817	2.84	19.7	2.6	11.5	3.9	25	0.5	0.8	2.6	68	0.31
L800N S2600E	Soil	0.8	25.1	41.7	157	1.2	14.9	8.7	385	2.78	18.5	1.8	8.1	4.8	23	1.0	0.7	2.4	68	0.32

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L750N 2650E	Soil	18	31	0.60	234	0.059	<20	2.04	0.017	0.08	0.2	0.06	4.8	0.2	<0.05	6
L750N 2700E	Soil	21	28	0.56	252	0.065	<20	1.95	0.014	0.09	0.2	0.06	5.1	0.2	<0.05	6
L750N 2750E	Soil	22	33	0.62	214	0.069	<20	2.21	0.019	0.09	0.1	0.06	5.0	0.2	<0.05	7
L800N 500E	Soil	21	23	0.53	314	0.050	<20	1.45	0.017	0.12	<0.1	0.04	4.8	0.2	<0.05	4
L800N 850E	Soil	20	30	0.63	274	0.078	<20	1.94	0.015	0.11	0.2	0.04	4.6	0.2	<0.05	6
L800N 900E	Soil	50	35	0.61	373	0.050	<20	2.51	0.018	0.13	0.3	0.17	8.0	0.3	<0.05	7
L800N 950E	Soil	24	33	0.55	324	0.064	<20	2.06	0.016	0.09	0.2	0.06	5.3	0.3	<0.05	7
L800N 1050E	Soil	16	34	0.67	270	0.074	<20	1.99	0.016	0.12	0.2	0.11	6.0	0.3	<0.05	7
L800N 1100E	Soil	19	33	0.62	303	0.068	<20	2.05	0.016	0.10	0.3	0.05	4.8	0.2	<0.05	6
L800N 1150E	Soil	19	31	0.62	295	0.079	<20	2.00	0.013	0.10	0.2	0.09	3.9	0.2	<0.05	7
L800N 1200E	Soil	13	33	0.64	317	0.075	<20	1.91	0.015	0.09	0.1	0.04	4.3	0.2	<0.05	6
L800N 1250E	Soil	19	40	0.55	321	0.052	<20	2.18	0.016	0.09	0.1	0.09	5.1	0.2	<0.05	6
L800N 1300E	Soil	15	35	0.67	231	0.098	<20	2.08	0.015	0.10	0.2	0.04	3.9	0.2	<0.05	7
L800N 1450E	Soil	10	38	0.67	253	0.091	<20	2.11	0.017	0.09	<0.1	0.06	4.2	0.2	<0.05	7
L800N 1500E	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
L800N 1550E	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
L800N 1600E	Soil	18	34	0.56	454	0.063	<20	1.72	0.016	0.07	<0.1	0.05	5.9	0.3	<0.05	5
L800N 1650E	Soil	12	31	0.77	258	0.110	<20	2.40	0.012	0.13	0.1	0.03	5.1	0.3	<0.05	9
L800N 1700E	Soil	18	32	0.57	438	0.060	<20	1.65	0.015	0.07	<0.1	0.05	5.6	0.2	<0.05	5
L800N 1750E	Soil	12	30	0.74	243	0.101	<20	2.13	0.010	0.12	0.1	0.02	4.9	0.2	<0.05	8
L800N 1800E	Soil	12	31	0.68	244	0.097	<20	1.77	0.011	0.09	0.1	0.03	3.5	0.2	<0.05	7
L800N 1850E	Soil	46	41	0.53	546	0.043	<20	2.67	0.020	0.13	0.2	0.21	12.1	0.4	0.13	7
L800N 2000E	Soil	21	17	0.54	330	0.085	<20	1.17	0.019	0.15	0.3	0.03	3.9	0.2	<0.05	4
L800N 2050E	Soil	27	20	0.61	427	0.058	<20	1.49	0.018	0.15	0.2	0.04	6.1	0.3	<0.05	5
L800N S2150E	Soil	21	29	0.59	393	0.055	<20	1.69	0.021	0.10	0.1	0.06	4.9	0.3	<0.05	5
L800N S2300E	Soil	9	21	0.35	81	0.062	<20	1.31	0.013	0.09	0.1	0.02	3.0	0.2	<0.05	7
L800N S2350E	Soil	20	28	0.55	298	0.059	<20	1.73	0.014	0.09	0.2	0.05	5.2	0.2	<0.05	6
L800N S2500E	Soil	15	28	0.56	221	0.071	<20	1.84	0.014	0.08	0.3	0.05	3.9	0.2	<0.05	6
L800N S2550E	Soil	17	34	0.58	248	0.066	<20	2.12	0.014	0.08	0.2	0.05	4.6	0.2	<0.05	7
L800N S2600E	Soil	13	32	0.60	222	0.088	<20	1.93	0.011	0.10	0.2	0.04	4.1	0.2	<0.05	7

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
L800N S2650E	Soil	0.9	29.4	50.2	146	0.9	13.1	10.2	469	3.26	24.5	2.3	8.7	4.4	25	0.4	0.8	2.0	73	0.36
L800N S2700E	Soil	0.8	24.9	37.6	145	0.8	14.9	8.3	449	2.73	16.6	1.9	7.3	3.2	22	0.6	0.5	2.0	65	0.30
L800N S2750E	Soil	1.1	32.9	72.8	160	1.0	15.1	13.1	998	3.78	31.8	3.4	12.7	5.1	21	0.7	0.9	2.1	75	0.25
L800N S2800E	Soil	1.1	28.2	85.9	180	1.2	15.2	14.9	1069	3.14	18.8	2.5	11.0	4.1	19	0.8	0.7	2.0	74	0.28
L800N S2850E	Soil	1.1	32.6	47.1	131	0.8	15.3	10.3	636	3.08	18.2	2.9	11.8	5.2	29	0.8	0.6	1.7	74	0.37
L800N S2900E	Soil	0.8	18.1	33.8	99	0.6	11.3	6.6	227	2.37	13.1	1.1	5.5	2.9	16	0.4	0.5	1.8	61	0.18
L800N S2950E	Soil	0.7	24.5	64.1	167	1.0	15.2	9.3	475	2.87	17.1	2.2	9.9	3.5	22	1.0	0.6	1.9	65	0.30
L850N 100E	Soil	1.2	14.9	31.7	162	1.1	15.5	7.4	244	2.69	6.9	2.6	1.2	3.5	35	0.8	0.8	0.5	75	0.50
L850N 150E	Soil	1.3	10.5	19.6	93	0.9	11.9	5.8	267	2.49	6.4	0.6	1.2	1.3	17	0.9	0.5	0.4	71	0.23
L850N 200E	Soil	1.5	17.7	27.9	129	0.2	15.5	11.2	945	2.73	6.4	2.6	4.4	3.9	28	1.6	0.5	0.4	66	0.31
L850N 350E	Soil	0.4	26.5	51.4	136	0.5	14.9	6.9	389	1.93	3.4	5.8	3.1	3.1	62	1.1	1.0	0.2	47	0.93
L850N 400E	Soil	0.8	16.6	58.9	194	0.3	14.9	8.9	620	2.58	8.8	3.3	1.8	2.5	63	0.7	0.9	0.3	55	0.86
L850N 450E	Soil	0.8	19.9	55.3	256	0.4	15.8	8.2	657	2.58	14.1	3.7	1.9	1.8	73	0.8	1.1	0.4	56	0.94
L850N 550E	Soil	0.8	21.3	58.2	482	0.4	14.6	8.1	302	2.84	15.9	7.5	2.6	4.5	74	1.5	1.4	0.5	63	0.99
L850N 700E	Soil	1.0	26.3	67.4	313	1.0	17.7	10.2	686	3.24	40.7	5.1	5.8	3.5	37	1.0	1.2	0.6	74	0.54
L850N 750E	Soil	1.0	28.1	50.5	190	0.3	17.8	9.2	652	2.96	17.6	6.8	4.0	4.5	36	0.5	0.9	0.4	68	0.55
L850N 800E	Soil	1.0	23.8	110.0	367	0.7	13.5	10.0	1015	2.83	26.1	5.1	5.3	4.4	36	3.9	1.2	0.9	58	0.63
L850N 850E	Soil	1.6	41.0	167.6	294	1.2	16.8	10.2	900	3.19	25.4	5.5	5.1	3.7	32	1.2	1.8	1.0	77	0.48
L850N 900E	Soil	1.4	31.4	78.1	198	1.2	17.7	10.6	973	2.79	16.0	5.6	5.7	3.2	22	0.5	1.8	1.2	63	0.33
L850N 950E	Soil	1.9	34.4	78.8	307	0.6	18.7	12.0	1133	3.41	24.9	3.7	4.9	5.0	35	1.4	1.3	1.4	85	0.55
L850N 1050E	Soil	1.1	45.9	238.4	496	1.3	19.9	14.0	1130	3.46	34.0	5.1	9.8	6.0	26	1.7	3.7	1.8	80	0.35
L850N 1100E	Soil	1.5	38.1	104.9	265	0.8	20.0	11.8	1288	3.56	19.0	7.6	5.5	4.6	39	0.6	1.8	1.0	81	0.57
L850N 1150E	Soil	0.8	23.1	41.9	158	0.5	18.0	10.6	709	3.08	12.9	1.1	1.6	5.9	26	0.6	1.4	1.0	81	0.43
L850N 1200E	Soil	1.0	26.2	82.7	227	2.2	14.5	10.5	810	3.10	20.8	1.2	11.0	3.7	23	1.5	3.2	1.6	75	0.38
L850N 1300E	Soil	1.0	28.5	54.2	143	1.3	20.2	10.8	631	3.17	16.1	2.2	7.5	5.2	26	0.4	1.9	1.8	83	0.41
L850N 1400E	Soil	0.6	33.5	97.3	204	3.9	20.3	7.3	450	2.33	10.7	3.3	14.4	3.1	26	0.6	2.8	4.9	63	0.38
L850N 1450E	Soil	0.8	22.4	83.8	246	1.3	16.4	9.9	739	2.87	11.1	1.7	3.3	4.3	23	1.0	1.7	1.4	73	0.39
L850N 1500E	Soil	0.7	27.4	88.7	181	1.4	20.1	10.2	1357	3.04	10.3	2.2	4.2	6.7	28	0.8	1.3	1.0	69	0.45
L850N 1650E	Soil	0.6	27.3	44.9	133	0.5	20.5	10.8	540	2.82	7.0	2.2	3.5	5.2	24	0.6	0.7	0.8	69	0.39
L850N 1700E	Soil	0.6	16.5	45.0	149	0.2	19.7	11.8	657	2.95	11.4	1.0	2.6	4.8	19	0.5	0.6	0.5	74	0.35

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L800N S2650E	Soil	15	27	0.58	217	0.075	<20	1.86	0.011	0.08	0.2	0.04	3.9	0.2	<0.05	6
L800N S2700E	Soil	15	26	0.56	199	0.073	<20	1.70	0.013	0.08	0.2	0.05	3.7	0.2	<0.05	6
L800N S2750E	Soil	21	29	0.59	227	0.068	<20	1.90	0.013	0.09	0.2	0.06	4.8	0.3	<0.05	6
L800N S2800E	Soil	16	31	0.60	226	0.075	<20	2.09	0.014	0.09	0.1	0.06	4.5	0.3	<0.05	7
L800N S2850E	Soil	22	28	0.60	261	0.083	<20	1.95	0.017	0.09	0.1	0.06	5.1	0.2	<0.05	7
L800N S2900E	Soil	11	24	0.47	129	0.084	<20	1.67	0.013	0.08	0.1	0.05	3.1	0.2	<0.05	7
L800N S2950E	Soil	18	28	0.57	212	0.068	<20	1.83	0.017	0.09	0.1	0.07	4.2	0.2	<0.05	7
L850N 100E	Soil	15	31	0.58	292	0.094	<20	1.97	0.010	0.10	0.2	0.04	4.0	0.2	<0.05	8
L850N 150E	Soil	6	23	0.43	101	0.084	<20	1.32	0.012	0.11	0.4	0.04	2.1	0.1	<0.05	6
L850N 200E	Soil	12	26	0.49	179	0.074	<20	1.58	0.014	0.12	0.3	0.04	3.9	0.2	<0.05	6
L850N 350E	Soil	34	27	0.57	459	0.061	<20	1.79	0.019	0.11	<0.1	0.08	4.3	0.2	0.11	5
L850N 400E	Soil	15	27	0.54	315	0.050	<20	1.67	0.015	0.09	<0.1	0.04	4.2	0.2	<0.05	5
L850N 450E	Soil	15	29	0.55	330	0.048	<20	1.68	0.017	0.08	<0.1	0.04	3.8	0.3	0.07	5
L850N 550E	Soil	16	29	0.71	283	0.088	<20	1.94	0.021	0.11	<0.1	0.05	5.9	0.3	0.08	6
L850N 700E	Soil	25	35	0.62	282	0.068	<20	2.11	0.015	0.09	0.1	0.08	5.5	0.2	<0.05	6
L850N 750E	Soil	32	31	0.61	361	0.078	<20	2.08	0.016	0.13	1.9	0.05	5.8	0.2	<0.05	6
L850N 800E	Soil	20	25	0.53	182	0.057	<20	1.76	0.013	0.10	0.3	0.11	5.0	0.2	<0.05	5
L850N 850E	Soil	22	30	0.57	334	0.066	<20	2.06	0.014	0.09	0.3	0.06	4.6	0.3	0.06	6
L850N 900E	Soil	16	32	0.58	251	0.061	<20	2.17	0.011	0.08	0.5	0.06	4.5	0.3	<0.05	6
L850N 950E	Soil	16	35	0.64	316	0.083	<20	2.12	0.016	0.12	0.3	0.04	4.7	0.3	<0.05	7
L850N 1050E	Soil	19	35	0.64	296	0.066	<20	2.42	0.014	0.10	0.2	0.06	5.7	0.3	<0.05	7
L850N 1100E	Soil	22	39	0.63	288	0.081	<20	2.43	0.018	0.11	0.2	0.07	6.0	0.3	<0.05	8
L850N 1150E	Soil	11	30	0.71	219	0.122	<20	1.77	0.013	0.13	0.2	0.02	3.4	0.2	<0.05	6
L850N 1200E	Soil	12	28	0.60	227	0.094	<20	1.77	0.012	0.10	0.2	0.02	3.3	0.2	<0.05	6
L850N 1300E	Soil	12	37	0.66	201	0.094	<20	2.24	0.014	0.09	0.1	0.04	4.0	0.2	<0.05	7
L850N 1400E	Soil	17	34	0.61	273	0.070	<20	2.08	0.016	0.07	0.1	0.07	4.4	0.2	<0.05	6
L850N 1450E	Soil	10	34	0.65	216	0.092	<20	1.89	0.012	0.10	0.1	0.04	3.5	0.2	<0.05	6
L850N 1500E	Soil	13	36	0.66	290	0.108	<20	1.98	0.016	0.10	0.1	0.04	5.4	0.2	<0.05	6
L850N 1650E	Soil	16	36	0.68	232	0.099	<20	2.09	0.014	0.08	0.1	0.04	5.1	0.2	<0.05	6
L850N 1700E	Soil	12	30	0.68	168	0.106	<20	1.87	0.015	0.09	0.2	0.02	3.6	0.2	<0.05	6

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Method	Analyte	Unit	MDL	1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX U ppm 0.1	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001
L850N 1750E	Soil			0.9	28.1	93.0	230	0.5	20.5	8.8	544	2.98	28.7	1.7	9.0	4.8	25	0.7	2.1	0.9	67	0.40	0.070
L850N 1800E	Soil			0.7	19.0	60.8	173	0.4	17.5	9.6	632	2.93	18.8	1.2	1.9	4.2	24	0.9	1.0	0.5	75	0.37	0.071
L850N 1850E	Soil			0.5	23.7	85.9	178	1.6	15.5	7.5	321	2.46	18.2	2.7	7.5	3.9	28	0.6	1.3	1.3	74	0.42	0.068
L850N 2000E	Soil			0.8	19.4	144.2	328	6.1	16.8	12.4	2082	3.61	17.0	1.4	11.3	8.8	36	1.5	2.0	18.0	83	0.61	0.098
L850N 2150E	Soil			1.1	25.2	64.3	183	1.3	17.2	10.7	987	2.97	16.9	2.0	5.6	3.2	33	0.8	0.9	1.5	69	0.48	0.084
L850N 2250E	Soil			0.8	16.5	70.1	121	1.5	14.5	7.2	249	2.75	14.6	1.2	73.1	3.4	21	0.2	0.7	1.6	69	0.31	0.050
L850N 2300E	Soil			1.0	17.5	48.8	162	0.6	13.9	10.9	903	2.89	13.9	1.8	6.0	3.9	21	0.9	0.6	1.5	65	0.32	0.064
L850N 2350E	Soil			0.8	25.7	63.1	159	1.3	18.9	14.4	1337	2.88	13.3	4.8	8.1	4.0	25	0.9	0.7	1.4	64	0.34	0.067
L850N 2400E	Soil			1.0	51.7	46.1	170	0.6	15.1	14.4	1845	2.92	13.8	4.1	5.3	7.6	27	2.5	0.7	1.0	62	0.45	0.081
L850N 2500E	Soil			1.0	45.4	54.4	192	0.7	14.8	13.1	1367	3.13	26.0	2.3	17.2	9.8	28	2.0	1.1	2.7	66	0.43	0.074
L850N 2550E	Soil			1.0	40.5	54.2	176	1.7	18.6	13.6	1239	3.30	24.6	4.0	13.8	3.8	34	0.8	0.9	2.3	79	0.44	0.075
L850N 2600E	Soil			1.0	45.1	51.4	158	0.9	17.2	14.5	1122	3.32	23.8	4.0	13.0	4.8	25	0.9	0.8	2.3	78	0.31	0.070
L850N 2650E	Soil			1.0	33.3	53.8	149	1.3	15.8	12.0	654	2.91	19.0	2.7	22.4	4.2	25	0.7	0.8	2.3	66	0.34	0.061
L850N 2700E	Soil			0.8	47.9	47.5	141	1.1	15.2	9.3	426	2.89	18.6	4.5	9.5	4.4	22	0.6	0.7	2.2	68	0.32	0.065
L850N 2750E	Soil			0.7	21.9	37.2	129	0.7	11.2	6.5	328	2.33	12.8	2.0	9.7	2.8	21	0.5	0.7	1.8	55	0.35	0.066
L850N 2800E	Soil			1.0	16.0	38.3	103	0.5	11.7	6.0	290	2.39	18.5	0.7	9.4	3.3	12	0.3	0.6	2.4	76	0.13	0.024
L850N 2900E	Soil			0.6	27.4	56.4	136	0.9	14.1	6.5	223	2.39	13.6	2.6	10.4	2.5	20	0.6	0.7	1.9	52	0.30	0.062
L900N 000E	Soil			1.3	16.3	31.3	104	0.4	12.9	6.0	317	2.65	6.6	4.0	2.5	2.7	16	1.6	0.8	0.4	62	0.22	0.050
L900N 050E	Soil			1.2	12.3	33.5	142	0.4	15.7	8.7	459	3.18	7.7	1.1	2.5	4.1	14	0.6	0.7	0.4	79	0.21	0.042
L900N 100E	Soil			1.0	18.8	43.5	225	0.1	15.2	9.5	569	2.80	18.1	5.2	2.6	5.3	60	1.5	1.0	0.5	68	0.74	0.051
L900N 150E	Soil			1.3	23.2	34.4	150	0.7	18.8	10.9	777	3.07	9.0	5.0	4.1	3.8	38	0.3	0.8	0.5	74	0.54	0.068
L900N 200E	Soil			1.2	15.3	29.1	160	0.4	14.2	10.0	872	2.65	5.7	6.9	0.9	17.3	28	1.1	0.7	0.3	62	0.46	0.075
L900N 250E	Soil			0.6	13.6	32.7	236	0.5	13.9	9.2	570	2.62	8.4	5.8	5.4	4.6	41	1.0	0.6	0.4	63	0.69	0.078
L900N 300E	Soil			1.3	11.8	48.0	207	0.7	13.6	13.6	1017	4.23	63.1	4.0	4.4	3.2	32	1.2	0.9	0.6	78	0.41	0.057
L900N 350E	Soil			0.8	21.3	65.7	232	0.6	16.1	7.8	633	2.50	11.4	3.2	2.6	2.1	63	1.4	1.5	0.2	59	0.92	0.076
L900N 400E	Soil			1.0	18.7	69.2	193	0.3	15.5	11.1	672	3.14	9.2	2.9	1.0	5.9	26	0.6	0.9	0.2	72	0.36	0.052
L900N 450E	Soil			0.9	27.1	34.6	232	0.4	16.3	7.3	500	2.34	9.9	4.0	3.3	1.5	96	1.8	1.2	0.3	51	1.19	0.084
L900N 500E	Soil			0.9	25.0	38.8	193	0.4	17.1	7.9	457	2.53	15.5	4.0	3.1	1.8	96	0.9	1.4	0.4	59	1.09	0.085
L900N 550E	Soil			0.8	17.4	63.2	296	0.5	15.6	8.5	533	2.61	18.3	7.2	3.2	3.8	75	1.7	1.2	0.5	62	0.99	0.060
L900N 600E	Soil			0.8	20.0	32.9	192	0.3	14.4	7.6	569	2.34	15.4	8.7	2.6	1.6	141	1.0	0.8	0.4	58	1.79	0.076

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L850N 1750E	Soil	14	33	0.62	269	0.061	<20	1.88	0.016	0.08	0.1	0.04	4.1	0.2	<0.05	6
L850N 1800E	Soil	14	31	0.60	248	0.074	<20	1.70	0.015	0.08	0.1	0.03	3.7	0.2	<0.05	6
L850N 1850E	Soil	17	31	0.57	271	0.041	<20	2.06	0.017	0.11	0.1	0.07	4.8	0.3	<0.05	7
L850N 2000E	Soil	15	29	0.77	477	0.114	<20	1.80	0.023	0.15	0.3	0.03	4.2	0.3	<0.05	6
L850N 2150E	Soil	15	31	0.53	263	0.054	<20	1.91	0.017	0.10	0.3	0.06	4.7	0.2	<0.05	6
L850N 2250E	Soil	13	27	0.52	168	0.061	<20	1.68	0.010	0.06	0.3	0.08	3.3	0.2	<0.05	6
L850N 2300E	Soil	14	25	0.54	256	0.059	<20	1.69	0.012	0.08	0.2	0.04	4.2	0.2	<0.05	6
L850N 2350E	Soil	23	30	0.54	278	0.052	<20	2.05	0.016	0.09	0.1	0.07	6.8	0.3	<0.05	6
L850N 2400E	Soil	28	21	0.53	352	0.067	<20	1.72	0.019	0.13	0.2	0.03	4.9	0.2	<0.05	5
L850N 2500E	Soil	17	24	0.54	219	0.072	<20	1.59	0.015	0.12	0.2	0.05	4.0	0.2	<0.05	5
L850N 2550E	Soil	19	34	0.59	271	0.064	<20	2.05	0.023	0.09	0.2	0.08	5.5	0.3	<0.05	6
L850N 2600E	Soil	21	33	0.59	280	0.073	<20	2.16	0.014	0.09	0.6	0.04	5.7	0.2	<0.05	7
L850N 2650E	Soil	18	30	0.59	211	0.073	<20	2.07	0.019	0.10	0.2	0.07	4.5	0.2	<0.05	7
L850N 2700E	Soil	26	29	0.58	203	0.072	<20	2.02	0.018	0.09	0.1	0.06	4.9	0.2	<0.05	6
L850N 2750E	Soil	14	21	0.50	202	0.053	<20	1.50	0.012	0.07	0.2	0.05	3.3	0.2	<0.05	5
L850N 2800E	Soil	8	21	0.45	79	0.086	<20	1.53	0.012	0.06	0.1	0.07	2.6	0.2	<0.05	7
L850N 2900E	Soil	16	25	0.53	198	0.063	<20	1.81	0.017	0.08	0.2	0.06	3.5	0.2	<0.05	6
L900N 000E	Soil	17	27	0.44	121	0.068	<20	1.80	0.020	0.08	0.4	0.06	3.2	0.1	<0.05	6
L900N 050E	Soil	9	29	0.57	111	0.089	<20	2.09	0.011	0.07	0.2	0.03	3.1	0.2	<0.05	7
L900N 100E	Soil	14	29	0.62	261	0.093	<20	1.82	0.019	0.11	0.3	0.05	5.6	0.2	0.05	5
L900N 150E	Soil	20	35	0.62	331	0.076	<20	2.17	0.017	0.09	0.3	0.04	5.3	0.2	<0.05	7
L900N 200E	Soil	27	24	0.62	295	0.087	<20	1.60	0.022	0.23	0.3	0.03	5.0	0.3	<0.05	5
L900N 250E	Soil	17	27	0.61	250	0.081	<20	1.79	0.019	0.12	0.7	0.04	4.6	0.2	0.05	5
L900N 300E	Soil	25	26	0.56	263	0.063	<20	1.86	0.013	0.07	0.2	0.03	3.5	0.2	<0.05	6
L900N 350E	Soil	20	25	0.57	398	0.060	<20	1.56	0.015	0.12	<0.1	0.05	3.7	0.2	0.09	5
L900N 400E	Soil	20	28	0.66	275	0.075	<20	2.13	0.014	0.09	0.1	0.03	4.9	0.2	<0.05	6
L900N 450E	Soil	19	26	0.51	411	0.037	<20	1.64	0.019	0.08	<0.1	0.05	3.6	0.2	0.09	4
L900N 500E	Soil	16	28	0.54	354	0.052	<20	1.64	0.018	0.08	<0.1	0.05	3.6	0.2	0.12	4
L900N 550E	Soil	17	27	0.63	282	0.072	<20	1.75	0.020	0.11	0.1	0.04	5.5	0.3	0.07	5
L900N 600E	Soil	13	25	0.48	352	0.062	<20	1.46	0.024	0.08	<0.1	0.07	3.4	0.2	0.14	4

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
L900N 650E	Soil	1.6	19.3	174.4	528	0.4	10.3	13.6	1992	3.64	40.3	4.6	2.8	5.8	51	3.5	3.0	0.7	65	0.74
L900N 700E	Soil	1.0	12.6	56.3	204	0.2	13.5	12.5	979	2.78	28.2	1.9	1.1	5.3	27	1.2	1.0	0.6	69	0.39
L900N 800E	Soil	0.9	17.7	59.1	231	0.3	15.3	9.1	806	2.68	13.5	3.1	1.9	3.2	30	0.7	0.8	0.5	63	0.47
L900N 900E	Soil	1.6	12.8	61.1	153	0.4	14.0	7.2	408	2.48	16.3	1.4	11.4	3.1	15	1.4	0.8	1.0	72	0.18
L900N 1050E	Soil	1.5	64.3	174.8	636	2.4	21.8	10.9	702	3.81	37.0	6.9	11.6	5.6	37	2.5	4.0	2.3	82	0.63
L900N 1100E	Soil	1.2	44.6	101.2	297	1.7	22.0	8.6	593	3.56	17.6	7.9	7.5	4.4	44	1.2	2.0	1.1	77	0.67
L900N 1150E	Soil	1.4	36.3	70.4	167	1.0	16.9	7.8	275	3.53	18.3	5.2	5.6	4.6	29	0.4	1.6	1.2	86	0.44
L900N 1200E	Soil	0.7	34.1	69.8	191	1.4	16.1	9.8	962	2.69	15.5	2.5	69.3	3.6	27	1.6	3.4	1.5	64	0.47
L900N 1300E	Soil	0.8	39.2	65.7	158	2.3	20.3	10.8	583	3.37	16.6	4.5	14.9	5.3	27	0.6	2.1	2.2	74	0.42
L900N 1400E	Soil	1.3	43.0	124.9	227	4.9	18.0	9.1	1819	2.73	14.6	3.8	21.2	2.0	31	1.3	3.5	5.8	64	0.45
L900N 1500E	Soil	0.8	37.3	161.5	212	1.0	21.7	10.5	376	3.97	20.8	3.0	6.6	8.9	26	1.4	2.0	1.1	81	0.44
L900N 1550E	Soil	0.7	22.6	71.9	154	0.4	17.7	11.8	599	3.37	10.0	2.4	4.1	8.7	22	0.7	1.0	0.7	77	0.40
L900N 1600E	Soil	1.2	20.7	63.6	128	0.5	15.8	10.3	1098	2.96	9.6	1.9	3.5	2.9	21	0.6	0.8	1.0	73	0.32
L900N 1650E	Soil	0.8	27.7	63.2	133	0.3	20.0	17.0	934	4.76	19.3	1.9	6.1	5.7	20	0.4	0.8	0.8	80	0.32
L900N 1700E	Soil	0.9	24.7	90.9	177	0.6	18.4	11.9	1652	2.70	16.9	1.8	7.7	4.1	25	0.6	1.7	1.0	65	0.39
L900N 1750E	Soil	0.7	28.7	97.7	218	1.8	20.9	11.9	1463	3.05	17.7	2.9	10.1	6.7	26	1.0	2.3	2.4	81	0.38
L900N 1800E	Soil	0.8	26.5	143.5	251	1.6	17.1	10.6	539	3.31	22.1	2.5	10.3	7.1	23	0.9	1.7	2.8	76	0.39
L900N 1850E	Soil	1.1	21.6	118.6	232	0.9	14.2	13.4	1344	3.56	26.9	2.5	14.3	6.8	25	1.0	2.2	2.8	83	0.42
L900N 1900E	Soil	1.0	36.6	131.8	185	3.3	17.8	11.7	1020	2.82	20.4	5.6	19.6	10.8	28	2.1	2.5	3.6	74	0.44
L900N 1950E	Soil	0.8	24.0	121.2	233	1.9	15.3	10.3	751	2.83	19.0	2.3	16.9	6.0	31	1.3	1.8	3.1	61	0.51
L900N S2050E	Soil	5.2	45.9	246.7	284	1.1	9.7	10.8	1632	3.10	23.3	4.7	26.2	8.5	22	2.0	4.0	1.6	53	0.38
L900N S2100E	Soil	0.7	27.7	115.7	198	0.8	13.2	9.6	1955	2.55	13.5	2.4	12.7	3.9	46	1.4	1.7	1.4	47	0.72
L900N S2150E	Soil	0.8	19.1	63.7	135	1.0	14.1	8.6	615	2.36	14.0	1.6	39.0	1.2	27	0.4	1.2	1.5	57	0.31
L900N S2200E	Soil	0.8	17.0	58.5	158	0.8	13.3	8.6	724	2.62	13.8	1.7	5.7	2.3	39	0.5	0.8	1.7	59	0.52
L900N S2250E	Soil	0.6	15.7	61.2	146	1.1	13.9	7.6	305	2.33	10.7	1.7	10.7	2.5	31	0.5	0.6	1.9	54	0.43
L900N S2300E	Soil	0.7	16.1	52.1	137	0.9	13.7	9.2	753	2.32	12.3	1.9	7.9	2.2	28	0.9	0.5	1.8	54	0.34
L900N S2350E	Soil	0.8	24.9	72.9	172	1.2	17.7	13.1	1203	2.96	15.7	2.6	13.5	3.4	30	0.9	0.7	2.3	68	0.40
L900N S2400E	Soil	0.9	26.5	116.3	195	1.1	15.7	13.0	1673	3.05	18.9	2.7	11.0	5.7	33	1.6	1.5	2.1	65	0.49
L900N S2450E	Soil	0.6	20.8	58.5	137	0.5	12.2	9.8	857	2.52	19.5	1.3	94.1	3.9	20	0.7	0.7	2.3	57	0.28
L900N S2550E	Soil	0.6	31.9	50.5	146	1.2	14.9	10.3	679	2.61	18.2	3.6	20.5	2.6	27	0.5	0.8	2.3	58	0.33

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L900N 650E	Soil	18	17	0.64	228	0.024	<20	1.82	0.012	0.13	0.1	0.03	4.7	0.3	0.05	5
L900N 700E	Soil	14	25	0.59	219	0.084	<20	1.70	0.010	0.07	0.2	<0.01	3.6	0.2	<0.05	5
L900N 800E	Soil	13	30	0.62	294	0.069	<20	1.90	0.011	0.07	0.1	0.02	3.8	0.2	<0.05	6
L900N 900E	Soil	8	24	0.48	129	0.093	<20	1.55	0.010	0.07	0.3	0.03	2.7	0.2	<0.05	6
L900N 1050E	Soil	27	40	0.67	352	0.073	<20	2.46	0.018	0.12	0.2	0.07	6.8	0.3	<0.05	7
L900N 1100E	Soil	26	37	0.69	370	0.073	<20	2.45	0.017	0.13	0.2	0.07	6.3	0.3	0.05	7
L900N 1150E	Soil	18	35	0.63	254	0.081	<20	2.21	0.015	0.09	0.1	0.05	5.1	0.3	<0.05	6
L900N 1200E	Soil	16	31	0.61	246	0.086	<20	1.72	0.014	0.09	0.1	0.04	3.9	0.2	<0.05	5
L900N 1300E	Soil	18	37	0.62	266	0.085	<20	2.15	0.020	0.08	0.3	0.05	5.6	0.2	<0.05	6
L900N 1400E	Soil	19	35	0.53	329	0.057	<20	2.05	0.019	0.06	0.1	0.08	4.5	0.3	<0.05	6
L900N 1500E	Soil	21	40	0.72	270	0.127	<20	2.08	0.020	0.13	0.1	0.02	6.7	0.3	<0.05	6
L900N 1550E	Soil	16	35	0.67	254	0.110	<20	1.97	0.016	0.10	0.1	0.03	5.6	0.2	<0.05	6
L900N 1600E	Soil	11	32	0.54	216	0.073	<20	1.81	0.015	0.07	0.1	0.03	3.7	0.2	<0.05	6
L900N 1650E	Soil	15	36	0.63	202	0.087	<20	2.01	0.014	0.07	0.1	0.02	4.5	0.2	<0.05	6
L900N 1700E	Soil	14	34	0.61	261	0.077	<20	1.81	0.016	0.09	1.4	0.04	4.7	0.3	<0.05	6
L900N 1750E	Soil	18	38	0.65	285	0.080	<20	2.16	0.017	0.08	0.1	0.06	6.0	0.3	<0.05	6
L900N 1800E	Soil	16	34	0.66	216	0.076	<20	2.00	0.016	0.09	0.1	0.04	5.0	0.2	<0.05	6
L900N 1850E	Soil	16	29	0.62	281	0.084	<20	1.87	0.022	0.11	0.3	0.03	4.7	0.3	<0.05	6
L900N 1900E	Soil	44	33	0.57	362	0.069	<20	1.95	0.025	0.13	0.1	0.06	6.4	0.3	<0.05	6
L900N 1950E	Soil	17	26	0.55	267	0.069	<20	1.63	0.022	0.08	0.2	0.04	4.6	0.2	<0.05	5
L900N S2050E	Soil	21	16	0.53	338	0.062	<20	1.24	0.012	0.15	0.3	0.11	4.7	0.3	0.08	5
L900N S2100E	Soil	20	20	0.48	313	0.045	<20	1.32	0.018	0.09	0.1	0.06	4.0	0.2	0.09	4
L900N S2150E	Soil	12	26	0.47	286	0.050	<20	1.64	0.011	0.05	0.1	0.04	3.0	0.2	0.06	6
L900N S2200E	Soil	14	26	0.52	283	0.059	<20	1.69	0.012	0.08	0.1	0.05	4.1	0.2	<0.05	6
L900N S2250E	Soil	12	30	0.58	218	0.064	<20	1.91	0.014	0.08	0.2	0.05	4.1	0.2	0.06	7
L900N S2300E	Soil	13	26	0.53	234	0.060	<20	1.71	0.014	0.08	0.1	0.05	3.5	0.2	<0.05	6
L900N S2350E	Soil	17	32	0.62	266	0.066	<20	2.06	0.016	0.09	0.1	0.05	4.7	0.2	<0.05	7
L900N S2400E	Soil	19	26	0.60	276	0.068	<20	1.76	0.019	0.12	0.2	0.06	5.0	0.3	<0.05	6
L900N S2450E	Soil	14	22	0.50	143	0.071	<20	1.59	0.016	0.07	0.2	0.03	3.2	0.2	<0.05	5
L900N S2550E	Soil	17	27	0.53	232	0.064	<20	1.77	0.012	0.07	0.1	0.05	4.0	0.2	<0.05	6

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
L900N S2600E	Soil	0.9	34.1	54.2	132	1.0	13.7	13.2	1084	2.77	19.9	3.2	23.9	1.9	26	0.6	0.8	2.4	63	0.28
L900N S2700E	Soil	0.8	31.0	53.5	144	1.2	14.2	7.7	408	2.63	17.2	3.1	12.9	2.4	24	0.7	0.7	2.4	57	0.28
L900N S2750E	Soil	0.8	25.4	50.8	144	1.1	12.3	6.9	349	2.43	17.3	2.1	17.5	2.4	19	0.6	0.8	2.6	56	0.25
L900N S2850E	Soil	0.7	26.4	62.9	128	0.9	12.7	10.6	767	2.40	11.6	2.2	21.5	2.3	18	0.9	0.6	2.1	53	0.21
L950N 000E	Soil	1.0	11.1	43.7	155	0.3	14.6	13.4	986	3.08	7.9	1.4	2.6	6.2	19	0.5	0.9	0.4	70	0.26
L950N 050E	Soil	0.9	10.9	41.7	150	0.8	16.0	7.7	295	2.86	6.8	1.7	9.7	4.6	16	0.7	1.0	0.5	69	0.23
L950N 150E	Soil	0.9	11.5	49.0	156	<0.1	13.6	7.4	367	3.17	7.0	1.3	2.6	6.1	13	0.5	0.8	0.4	64	0.19
L950N 200E	Soil	1.3	16.8	37.1	171	0.3	15.7	7.6	382	3.00	7.9	2.8	3.1	3.4	44	1.3	0.8	0.5	72	0.52
L950N 300E	Soil	0.9	13.9	41.8	251	0.5	14.0	9.2	610	2.81	37.5	3.1	4.1	2.9	35	2.3	0.9	0.7	64	0.44
L950N 350E	Soil	1.5	19.2	86.2	231	0.4	13.5	12.6	920	4.59	37.5	3.0	3.8	5.8	48	2.0	1.6	0.3	113	0.69
L950N 400E	Soil	1.0	19.9	95.8	255	0.8	15.6	10.9	737	2.95	15.8	4.1	4.2	3.6	56	1.2	1.8	0.3	64	0.71
L950N 450E	Soil	1.2	10.2	80.6	241	0.5	13.3	12.0	440	3.75	17.8	2.2	3.6	4.0	43	0.5	1.4	0.3	58	0.52
L950N 500E	Soil	0.9	23.7	106.5	437	0.9	16.6	10.6	1420	2.78	19.9	6.0	5.3	3.7	60	5.8	2.2	0.4	56	0.71
L950N 550E	Soil	0.9	15.1	63.6	277	0.4	14.6	11.5	683	2.98	19.3	4.5	4.6	5.7	53	1.4	1.1	0.5	63	0.65
L950N 650E	Soil	1.6	9.8	34.8	236	<0.1	11.0	5.4	321	2.93	42.5	0.7	2.3	2.2	43	2.0	0.9	0.9	105	0.51
L950N 750E	Soil	1.1	11.2	44.9	241	0.1	12.2	7.6	331	2.70	17.0	1.0	2.6	2.7	28	6.6	0.7	0.4	69	0.36
L950N 800E	Soil	1.1	21.7	81.5	276	0.3	15.6	10.7	866	3.09	16.8	4.6	4.7	4.3	41	1.4	0.8	0.5	66	0.56
L950N 850E	Soil	1.2	26.8	136.2	295	1.5	15.8	7.4	366	2.95	35.1	6.9	12.3	4.0	24	0.9	1.2	1.7	70	0.34
L950N 900E	Soil	1.6	21.2	248.2	187	0.4	14.7	7.9	358	2.93	39.0	4.7	6.5	8.0	24	0.9	1.8	1.0	68	0.40
L950N 950E	Soil	1.7	17.7	77.4	199	0.3	13.1	5.9	365	2.90	22.5	1.1	3.9	2.7	14	0.9	1.5	1.2	71	0.15
L950N 1000E	Soil	0.9	20.6	182.0	258	0.2	13.7	8.9	895	2.61	17.1	1.5	3.5	6.0	27	2.6	1.3	0.9	57	0.43
L950N 1050E	Soil	0.9	24.4	100.8	238	0.6	15.6	9.0	609	3.07	27.8	2.8	8.6	8.2	28	1.1	1.9	1.3	59	0.42
L950N 1100E	Soil	0.9	24.7	156.1	397	0.8	14.8	10.1	853	3.15	23.3	1.9	5.4	5.2	18	2.3	2.0	1.3	70	0.25
L950N 1200E	Soil	0.7	89.3	162.5	327	5.3	15.7	8.0	399	3.69	36.5	5.4	66.8	5.2	31	1.2	6.1	4.7	67	0.45
L950N 1250E	Soil	1.0	43.5	184.1	234	2.4	16.1	11.3	1231	3.06	34.6	3.1	20.3	4.3	25	0.6	4.7	5.7	62	0.34
L950N 1300E	Soil	0.9	32.9	50.1	148	0.6	14.8	9.8	1032	2.52	13.6	2.4	46.5	3.2	33	1.7	2.2	2.2	60	0.48
L950N 1400E	Soil	1.6	80.9	220.3	235	15.7	15.7	8.4	554	2.61	27.4	7.3	59.0	1.9	38	1.7	5.2	13.6	57	0.52
L950N 1500E	Soil	0.9	25.5	145.0	193	1.1	17.4	13.8	753	2.99	13.0	1.5	10.6	5.0	26	0.7	2.1	1.4	68	0.45
L950N 1550E	Soil	0.8	22.9	71.2	159	0.4	17.9	11.7	878	3.02	8.6	1.9	3.6	6.1	22	0.6	0.8	0.9	76	0.37
L950N 1750E	Soil	0.7	26.7	206.4	146	3.0	17.8	8.6	251	2.66	19.0	3.0	19.0	6.7	20	0.5	4.0	5.1	77	0.33

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L900N S2600E	Soil	16	30	0.51	248	0.064	<20	1.75	0.011	0.07	0.2	0.07	3.6	0.2	<0.05	6
L900N S2700E	Soil	15	27	0.53	213	0.065	<20	1.86	0.012	0.08	0.2	0.07	3.6	0.2	<0.05	6
L900N S2750E	Soil	13	23	0.51	162	0.060	<20	1.65	0.010	0.07	0.1	0.05	3.1	0.2	<0.05	6
L900N S2850E	Soil	16	25	0.49	170	0.069	<20	1.75	0.014	0.08	0.1	0.06	3.5	0.2	<0.05	6
L950N 000E	Soil	10	27	0.52	129	0.086	<20	1.87	0.017	0.09	0.1	0.01	3.0	0.2	<0.05	7
L950N 050E	Soil	11	32	0.63	100	0.082	<20	2.40	0.016	0.08	0.2	0.04	3.6	0.2	<0.05	7
L950N 150E	Soil	10	25	0.53	69	0.072	<20	2.11	0.014	0.08	0.2	0.03	2.8	0.2	<0.05	6
L950N 200E	Soil	25	28	0.53	282	0.076	<20	1.87	0.019	0.11	0.2	0.03	3.6	0.2	<0.05	7
L950N 300E	Soil	17	26	0.55	247	0.067	<20	1.80	0.018	0.08	0.2	0.03	3.4	0.2	<0.05	7
L950N 350E	Soil	28	23	0.62	403	0.062	<20	1.80	0.015	0.10	0.2	0.04	4.0	0.2	0.08	6
L950N 400E	Soil	21	28	0.61	317	0.065	<20	1.83	0.019	0.13	0.1	0.05	4.7	0.2	0.09	6
L950N 450E	Soil	17	25	0.56	241	0.045	<20	1.67	0.014	0.09	<0.1	0.03	4.3	0.3	<0.05	5
L950N 500E	Soil	24	25	0.58	405	0.046	<20	1.72	0.017	0.09	<0.1	0.06	5.0	0.2	0.05	5
L950N 550E	Soil	19	25	0.68	336	0.069	<20	1.84	0.019	0.09	<0.1	0.09	5.2	0.3	<0.05	6
L950N 650E	Soil	8	24	0.46	186	0.130	<20	1.51	0.014	0.10	0.2	0.02	2.7	0.2	<0.05	10
L950N 750E	Soil	9	24	0.46	160	0.076	<20	1.49	0.021	0.12	0.2	0.03	2.7	0.2	<0.05	7
L950N 800E	Soil	20	28	0.59	290	0.068	<20	2.04	0.026	0.11	0.2	0.04	4.5	0.2	<0.05	6
L950N 850E	Soil	28	32	0.61	217	0.057	<20	2.15	0.013	0.09	0.3	0.06	5.1	0.3	<0.05	7
L950N 900E	Soil	24	30	0.61	172	0.094	<20	1.71	0.016	0.09	0.3	0.03	4.9	0.3	<0.05	5
L950N 950E	Soil	7	24	0.45	86	0.078	<20	1.71	0.019	0.07	0.2	0.05	2.5	0.2	<0.05	7
L950N 1000E	Soil	11	24	0.54	160	0.095	<20	1.26	0.026	0.12	0.2	0.01	3.3	0.2	<0.05	5
L950N 1050E	Soil	15	29	0.62	194	0.094	<20	1.66	0.019	0.11	0.2	0.02	4.4	0.3	<0.05	5
L950N 1100E	Soil	17	27	0.54	177	0.068	<20	1.99	0.010	0.08	0.1	0.03	3.2	0.2	<0.05	6
L950N 1200E	Soil	19	32	0.61	285	0.063	<20	2.24	0.013	0.12	0.2	0.07	5.8	0.2	<0.05	6
L950N 1250E	Soil	17	31	0.57	271	0.061	<20	2.04	0.010	0.07	0.1	0.04	4.0	0.2	<0.05	6
L950N 1300E	Soil	12	26	0.51	210	0.082	<20	1.51	0.015	0.10	0.1	0.04	3.1	0.2	<0.05	6
L950N 1400E	Soil	29	29	0.40	348	0.035	<20	1.88	0.021	0.08	0.1	0.12	4.3	0.2	0.11	5
L950N 1500E	Soil	11	32	0.63	259	0.096	<20	1.82	0.016	0.07	0.1	0.04	4.3	0.2	<0.05	5
L950N 1550E	Soil	13	35	0.69	197	0.110	<20	2.00	0.012	0.08	0.1	0.02	4.4	0.2	<0.05	6
L950N 1750E	Soil	18	36	0.59	232	0.074	<20	2.10	0.015	0.07	0.1	0.04	5.9	0.3	<0.05	6

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Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	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
L950N 1800E	Soil	0.5	19.3	137.0	202	2.4	15.8	7.4	352	2.20	12.2	2.3	18.3	5.7	24	0.8	2.6	3.8	66	0.39	0.053		
L950N 1900E	Soil	1.0	27.4	236.3	223	4.9	16.2	6.1	194	2.64	17.7	3.9	27.2	2.4	28	0.8	2.9	5.8	61	0.45	0.072		
L950N 1950E	Soil	0.8	24.3	73.9	220	0.5	12.6	8.4	649	2.85	20.2	1.1	5.0	4.4	27	1.0	1.5	2.4	65	0.49	0.052		
L950N 2000E	Soil	2.1	38.8	163.4	288	3.6	13.1	9.6	720	6.48	91.8	3.8	30.9	5.6	33	1.5	2.4	3.9	89	0.57	0.094		
L950N 2050E	Soil	1.0	13.9	107.7	203	0.9	13.4	9.2	817	2.86	15.4	0.9	5.6	6.0	23	0.6	1.1	1.4	68	0.42	0.064		
L950N S2200E	Soil	0.8	15.1	66.0	166	0.9	15.4	9.3	512	2.58	14.7	1.5	4.8	3.6	23	0.5	0.7	1.9	63	0.36	0.050		
L950N S2300E	Soil	0.9	20.5	44.4	143	1.0	15.3	9.1	465	2.66	14.6	1.8	7.2	3.0	24	0.7	0.7	1.9	66	0.34	0.061		
L950N S2350E	Soil	0.6	19.9	30.1	130	0.9	13.7	6.9	347	1.89	6.8	1.7	10.6	2.1	26	0.4	0.6	1.3	48	0.36	0.060		
L950N S2450E	Soil	0.5	36.8	56.8	173	1.1	15.1	8.6	381	2.65	17.2	2.3	32.4	4.1	27	0.9	0.9	2.3	63	0.37	0.063		
L950N S2500E	Soil	0.9	34.9	49.2	150	1.1	15.4	14.0	1021	2.79	19.4	2.7	14.4	2.7	24	1.0	0.9	2.4	66	0.30	0.063		
L950N S2650E	Soil	0.8	29.6	53.4	152	1.0	13.2	9.3	569	2.82	20.7	1.9	12.5	3.9	23	0.4	0.8	2.8	67	0.32	0.058		
L950N S2700E	Soil	1.2	39.3	105.5	246	1.7	15.9	23.5	1950	3.01	23.3	3.5	15.7	3.5	33	1.5	1.0	2.8	72	0.53	0.062		
L950N S2800E	Soil	0.7	26.8	55.4	147	0.9	12.8	8.9	510	2.38	13.6	2.1	10.0	2.7	21	0.7	0.9	2.3	56	0.30	0.050		
L1000N 300E	Soil	0.6	12.2	33.8	209	0.4	12.4	8.2	553	2.45	29.6	3.3	1.4	2.7	33	2.3	0.7	0.6	58	0.45	0.054		
L1000N 550E	Soil	0.9	16.3	49.9	280	0.3	17.5	10.2	369	2.96	17.7	3.0	2.6	4.5	54	1.1	1.0	0.5	68	0.68	0.059		
L1000N 700E	Soil	1.0	16.4	55.2	203	0.2	16.0	10.4	769	3.11	28.6	1.7	1.1	6.0	33	0.9	1.0	0.5	78	0.56	0.055		
L1000N 800E	Soil	1.2	23.0	75.2	286	0.5	17.1	10.5	851	3.11	18.0	3.8	4.1	3.6	41	0.9	0.9	0.5	72	0.66	0.054		
L1000N 850E	Soil	1.2	43.3	88.4	297	0.8	19.4	11.7	1063	3.52	29.6	7.0	4.8	6.4	33	1.9	1.1	1.6	78	0.52	0.071		
L1000N 1050E	Soil	1.0	42.2	96.4	353	1.1	18.4	9.6	1057	3.03	22.1	5.1	7.4	8.9	25	1.7	2.6	2.1	65	0.42	0.062		
L1000N 1100E	Soil	1.4	54.9	260.8	340	1.2	17.9	10.5	834	3.30	22.8	5.3	13.7	4.7	33	0.9	2.3	1.3	73	0.52	0.063		
L1000N 1250E	Soil	0.8	90.8	196.9	217	4.3	18.6	10.2	1780	3.13	28.4	4.2	17.6	7.5	25	1.0	13.2	8.6	66	0.41	0.080		
L1000N 1350E	Soil	0.9	33.7	50.0	124	0.8	19.7	11.7	380	3.42	14.5	3.3	69.8	7.3	23	0.6	1.3	1.6	75	0.38	0.066		
L1000N 1400E	Soil	1.5	54.1	146.6	223	3.7	20.8	9.7	619	3.25	22.3	3.4	17.4	3.5	29	0.4	5.1	7.3	75	0.45	0.073		
L1000N 1550E	Soil	0.9	24.3	100.1	214	0.5	17.8	10.9	963	3.14	12.4	1.9	16.4	8.3	28	0.7	1.3	1.0	78	0.49	0.075		
L1000N 1600E	Soil	0.8	34.6	56.4	155	0.6	22.7	13.1	1635	3.17	10.1	2.7	5.6	6.4	30	0.9	1.0	1.0	76	0.48	0.084		
L1000N 1800E	Soil	1.1	20.8	161.0	176	2.9	16.5	13.3	1174	2.92	19.5	1.7	12.8	3.3	33	0.8	2.1	5.0	66	0.52	0.083		
L1000N 1850E	Soil	1.0	27.4	311.9	269	3.7	16.2	11.1	1232	3.48	39.8	2.1	20.6	4.9	30	1.1	3.9	5.9	68	0.50	0.066		
L1000N 1950E	Soil	0.9	31.7	135.1	321	1.4	18.0	9.5	835	3.10	18.1	2.3	21.7	5.9	29	1.0	1.5	3.0	70	0.48	0.073		
L1000N 2000E	Soil	0.8	20.7	76.5	183	0.3	14.2	11.4	883	3.24	18.1	0.9	72.2	5.3	26	0.6	1.0	1.7	73	0.46	0.083		
L1000N 2150E	Soil	1.2	19.4	57.7	140	1.3	14.8	8.7	931	3.58	27.9	1.7	22.7	2.5	31	0.6	1.0	2.1	67	0.43	0.076		

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	Method	Analyte	Unit	MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX			
					La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
					ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
					1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
L950N 1800E	Soil				12	36	0.60	230	0.083	<20	2.03	0.013	0.07	0.2	0.05	4.7	0.3	<0.05	6	<0.5
L950N 1900E	Soil				19	33	0.57	267	0.043	<20	2.05	0.012	0.08	0.2	0.09	4.5	0.3	0.06	6	0.8
L950N 1950E	Soil				12	24	0.59	249	0.093	<20	1.50	0.013	0.12	0.3	0.01	3.7	0.2	<0.05	5	0.7
L950N 2000E	Soil				23	31	0.44	321	0.032	<20	1.86	0.012	0.09	0.2	0.10	5.6	0.2	0.09	5	0.8
L950N 2050E	Soil				12	26	0.60	197	0.046	<20	1.79	0.010	0.08	0.1	0.04	3.3	0.2	<0.05	6	<0.5
L950N S2200E	Soil				11	28	0.55	232	0.058	<20	1.76	0.011	0.08	0.2	0.04	3.6	0.2	<0.05	5	<0.5
L950N S2300E	Soil				13	30	0.58	213	0.071	<20	1.84	0.015	0.08	0.2	0.04	3.8	0.2	<0.05	6	<0.5
L950N S2350E	Soil				12	26	0.50	237	0.060	<20	1.59	0.015	0.07	0.2	0.05	3.7	0.2	<0.05	5	<0.5
L950N S2450E	Soil				16	27	0.60	252	0.072	<20	1.88	0.016	0.10	0.2	0.04	4.3	0.2	<0.05	5	<0.5
L950N S2500E	Soil				14	30	0.56	242	0.069	<20	1.95	0.013	0.08	0.1	0.05	3.9	0.2	<0.05	6	0.5
L950N S2650E	Soil				13	26	0.58	207	0.063	<20	1.83	0.011	0.07	0.2	0.10	3.4	0.3	<0.05	6	<0.5
L950N S2700E	Soil				23	28	0.53	325	0.058	<20	1.87	0.019	0.08	0.2	0.10	5.0	0.3	<0.05	6	<0.5
L950N S2800E	Soil				14	25	0.50	191	0.058	<20	1.71	0.011	0.07	0.2	0.05	3.6	0.3	<0.05	6	<0.5
L1000N 300E	Soil				17	24	0.53	260	0.057	<20	1.83	0.009	0.08	0.2	0.03	3.5	0.2	<0.05	5	<0.5
L1000N 550E	Soil				15	30	0.70	328	0.064	<20	2.00	0.014	0.09	<0.1	0.04	5.6	0.2	<0.05	6	0.5
L1000N 700E	Soil				12	29	0.75	204	0.123	<20	1.59	0.018	0.10	0.1	<0.01	4.1	0.2	<0.05	5	<0.5
L1000N 800E	Soil				18	33	0.62	301	0.059	<20	2.12	0.016	0.08	0.2	0.04	4.7	0.2	<0.05	7	<0.5
L1000N 850E	Soil				33	33	0.69	365	0.076	<20	2.10	0.018	0.12	0.2	0.04	5.9	0.3	<0.05	7	<0.5
L1000N 1050E	Soil				19	34	0.64	228	0.095	<20	1.80	0.014	0.14	0.4	0.04	6.3	0.3	<0.05	6	<0.5
L1000N 1100E	Soil				18	34	0.62	290	0.057	<20	2.11	0.015	0.08	0.2	0.05	5.1	0.2	<0.05	7	0.7
L1000N 1250E	Soil				19	30	0.56	305	0.075	<20	1.75	0.013	0.10	0.1	0.03	4.9	0.2	<0.05	5	<0.5
L1000N 1350E	Soil				19	37	0.66	233	0.093	<20	2.09	0.015	0.07	0.1	0.03	6.0	0.2	<0.05	6	<0.5
L1000N 1400E	Soil				15	38	0.65	305	0.061	<20	2.22	0.018	0.08	0.2	0.05	5.1	0.3	<0.05	7	<0.5
L1000N 1550E	Soil				17	33	0.71	222	0.107	<20	1.76	0.015	0.10	0.2	0.03	4.7	0.2	<0.05	5	<0.5
L1000N 1600E	Soil				20	37	0.69	285	0.104	<20	2.05	0.019	0.09	0.1	0.03	6.2	0.2	<0.05	6	<0.5
L1000N 1800E	Soil				14	30	0.55	278	0.058	<20	1.75	0.014	0.07	0.1	0.04	4.1	0.2	<0.05	6	0.6
L1000N 1850E	Soil				15	32	0.55	253	0.067	<20	1.82	0.012	0.08	0.2	0.04	4.5	0.2	<0.05	6	0.5
L1000N 1950E	Soil				16	37	0.63	244	0.063	<20	2.11	0.019	0.07	0.1	0.03	5.7	0.3	<0.05	6	<0.5
L1000N 2000E	Soil				12	27	0.72	182	0.102	<20	1.54	0.014	0.15	<0.1	0.05	3.6	0.3	<0.05	5	<0.5
L1000N 2150E	Soil				13	29	0.52	253	0.049	<20	1.62	0.016	0.07	0.2	0.04	4.0	0.2	<0.05	5	<0.5

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
L1000N 2250E	Soil	0.8	19.0	64.9	146	0.9	14.9	8.4	312	2.40	14.1	1.7	8.4	3.6	21	0.5	0.8	2.3	62	0.34
L1000N 2350E	Soil	1.6	31.5	69.7	140	1.5	15.5	15.4	1319	2.98	16.9	3.4	12.4	4.4	19	0.4	1.1	2.3	64	0.27
L1000N 2450E	Soil	0.8	30.4	47.1	116	0.7	11.9	11.9	1313	3.23	22.1	1.5	31.4	6.1	19	0.6	1.3	2.0	71	0.28
L1000N 2500E	Soil	0.7	32.7	48.8	147	1.2	13.3	8.8	511	2.52	17.5	2.4	8.5	3.3	23	0.6	0.8	2.6	59	0.28
L1000N 2650E	Soil	1.2	37.4	52.1	134	1.0	12.2	9.1	818	2.77	21.6	2.5	13.2	3.7	19	0.8	0.9	2.9	61	0.23
L1000N 2700E	Soil	2.1	426.1	8297	5560	49.6	8.5	10.9	5431	6.75	282.7	5.3	163.7	6.1	27	48.3	181.2	43.8	41	0.38
L1000N 2850E	Soil	0.5	25.6	51.1	119	<0.1	11.0	6.9	408	1.96	11.3	2.5	33.4	2.8	18	0.9	0.7	2.7	42	0.23
L1000N 2950E	Soil	0.8	23.2	73.8	172	0.7	10.5	14.6	1337	2.69	15.9	1.9	3.9	6.4	22	0.7	1.1	2.4	67	0.32
L1050N S100E	Soil	2.0	18.9	30.5	120	0.4	16.6	10.1	543	2.95	7.8	2.6	1.5	6.8	32	0.5	0.9	0.5	69	0.44
L1050N S200E	Soil	1.9	31.4	71.0	261	1.1	17.3	10.1	825	3.38	13.6	8.2	3.0	5.8	44	1.5	1.1	1.2	77	0.62
L1050N S400E	Soil	0.7	24.9	59.3	262	0.7	13.3	7.2	493	2.23	12.4	3.6	3.0	2.5	65	1.3	1.7	0.5	53	0.95
L1050N S550E	Soil	1.3	17.4	58.0	282	0.4	14.0	7.7	905	2.39	25.2	3.6	2.1	2.0	62	1.5	1.9	0.4	51	0.74
L1050N S600E	Soil	0.9	15.7	55.3	327	0.4	13.1	7.5	480	2.61	23.1	4.5	2.1	3.1	70	2.4	1.4	0.6	60	0.85
L1050N S700E	Soil	3.6	30.7	47.9	453	0.7	26.8	37.5	>10000	6.03	58.5	8.0	7.0	5.5	88	5.0	1.9	0.8	56	1.12
L1050N S800E	Soil	0.9	18.4	76.4	317	0.4	14.0	7.1	524	2.51	19.5	2.9	2.3	2.8	40	1.5	1.2	0.5	59	0.63
L1050N S1200E	Soil	1.4	80.0	100.6	197	5.5	15.3	9.5	1238	3.24	23.8	7.9	25.3	3.2	33	0.8	4.1	1.9	63	0.44
L1050N S1600E	Soil	1.0	42.8	83.5	154	1.2	19.5	9.6	658	3.10	13.7	3.5	6.2	7.4	29	0.6	1.7	1.7	78	0.43
L1050N S1750E	Soil	1.4	32.0	299.6	203	10.7	17.2	15.7	2160	3.45	40.5	12.5	59.6	4.5	38	0.7	5.3	24.6	66	0.60
L1050N S1800E	Soil	1.2	37.4	276.3	226	3.5	14.7	12.7	990	2.97	37.0	3.2	21.5	5.5	42	2.2	4.8	5.5	57	0.59
L1050N S1900E	Soil	0.8	34.2	119.6	226	1.8	14.9	7.0	487	2.43	18.9	2.3	12.9	4.1	35	1.1	1.5	3.9	56	0.51
L1050N S1950E	Soil	0.8	18.6	102.9	195	1.0	13.6	6.5	599	2.91	21.2	1.1	3.6	4.3	27	0.5	1.5	1.8	64	0.38
L1050N S2000E	Soil	0.9	21.7	110.0	183	1.2	15.1	7.9	551	2.63	20.6	1.4	9.4	3.9	26	0.8	1.4	2.1	61	0.39
L1050N S2100E	Soil	1.0	29.3	77.6	200	0.5	10.7	11.2	1380	3.41	20.3	2.5	8.7	18.6	29	1.5	1.4	1.0	66	0.47
L1050N S2350E	Soil	0.7	27.7	61.0	160	1.3	14.9	9.7	812	2.70	23.4	2.3	12.4	4.3	23	0.7	1.0	3.7	61	0.25
L1050N S2450E	Soil	0.9	44.3	53.0	163	1.8	15.1	11.1	879	2.79	19.7	3.5	15.6	4.1	20	0.9	1.1	3.0	59	0.21
L1050N S2500E	Soil	1.2	42.0	58.4	136	1.1	12.3	11.8	990	2.77	23.3	3.3	11.9	4.1	18	0.5	1.1	2.8	65	0.22
L1050N S2550E	Soil	1.0	45.8	63.9	138	1.3	12.8	10.4	536	2.92	25.7	3.1	17.2	3.4	22	0.5	1.0	4.0	68	0.28
L1050N S2700E	Soil	0.9	102.9	898.8	1718	7.3	6.1	13.7	4530	3.43	63.8	3.5	30.4	14.4	26	17.1	22.9	4.6	36	0.81
L1050N S2750E	Soil	0.7	36.0	52.0	181	1.0	12.7	8.1	546	2.22	11.7	3.5	9.2	3.2	50	1.5	0.9	2.6	47	0.63
L1050N S2800E	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L1000N 2250E	Soil	11	30	0.55	198	0.060	<20	1.83	0.015	0.06	0.2	0.03	4.2	0.3	<0.05	5
L1000N 2350E	Soil	20	30	0.52	251	0.055	<20	1.76	0.012	0.07	0.3	0.05	5.1	0.2	<0.05	6
L1000N 2450E	Soil	12	25	0.61	166	0.091	<20	1.47	0.015	0.07	0.3	0.02	2.7	0.2	<0.05	5
L1000N 2500E	Soil	14	25	0.54	233	0.060	<20	1.80	0.015	0.07	0.2	0.05	3.6	0.2	<0.05	6
L1000N 2650E	Soil	14	23	0.51	187	0.065	<20	1.76	0.013	0.09	0.2	0.06	3.5	0.2	0.05	6
L1000N 2700E	Soil	16	14	0.34	197	0.036	<20	1.00	0.012	0.10	0.4	0.61	3.7	0.3	0.52	3
L1000N 2850E	Soil	17	23	0.51	209	0.058	<20	1.69	0.018	0.07	0.2	0.06	3.6	0.2	0.06	6
L1000N 2950E	Soil	14	21	0.61	214	0.072	<20	1.64	0.016	0.10	0.3	0.04	3.6	0.2	<0.05	6
L1050N S100E	Soil	14	31	0.67	277	0.102	<20	1.70	0.015	0.09	0.5	0.04	4.0	0.2	<0.05	6
L1050N S200E	Soil	31	33	0.64	334	0.065	<20	2.11	0.016	0.13	1.4	0.07	6.7	0.2	0.08	7
L1050N S400E	Soil	22	26	0.59	358	0.052	<20	1.69	0.020	0.09	<0.1	0.05	3.8	0.2	0.13	5
L1050N S550E	Soil	14	26	0.54	360	0.036	<20	1.67	0.014	0.07	<0.1	0.04	4.0	0.2	0.10	5
L1050N S600E	Soil	12	26	0.62	310	0.062	<20	1.65	0.016	0.08	0.2	0.04	4.4	0.2	0.10	5
L1050N S700E	Soil	26	22	0.47	1488	0.052	<20	1.28	0.020	0.08	0.2	0.05	4.6	0.3	0.10	5
L1050N S800E	Soil	15	27	0.56	279	0.052	<20	1.66	0.015	0.06	<0.1	0.03	4.0	0.2	0.06	5
L1050N S1200E	Soil	20	33	0.51	280	0.046	<20	2.09	0.017	0.07	0.2	0.09	5.8	0.2	0.09	6
L1050N S1600E	Soil	21	37	0.65	302	0.094	<20	1.99	0.015	0.09	0.2	0.04	6.2	0.2	<0.05	6
L1050N S1750E	Soil	18	30	0.57	325	0.051	<20	1.94	0.018	0.07	0.2	0.07	5.4	0.2	0.07	6
L1050N S1800E	Soil	18	26	0.48	272	0.058	<20	1.55	0.014	0.09	0.2	0.06	4.3	0.2	0.10	5
L1050N S1900E	Soil	15	27	0.54	230	0.053	<20	1.58	0.015	0.06	0.2	0.04	4.0	0.2	<0.05	5
L1050N S1950E	Soil	11	27	0.55	191	0.050	<20	1.58	0.012	0.06	0.1	0.04	3.1	0.2	<0.05	6
L1050N S2000E	Soil	11	29	0.52	207	0.056	<20	1.48	0.014	0.07	0.2	0.04	3.6	0.2	<0.05	5
L1050N S2100E	Soil	29	16	0.71	341	0.033	<20	1.67	0.013	0.16	0.1	0.06	7.2	0.4	<0.05	6
L1050N S2350E	Soil	16	28	0.54	274	0.058	<20	1.79	0.016	0.06	0.1	0.05	4.3	0.2	<0.05	6
L1050N S2450E	Soil	15	30	0.49	222	0.061	<20	1.84	0.013	0.07	0.3	0.06	4.4	0.2	<0.05	6
L1050N S2500E	Soil	18	26	0.52	224	0.063	<20	1.58	0.013	0.07	0.2	0.05	3.9	0.2	<0.05	5
L1050N S2550E	Soil	18	25	0.57	220	0.065	<20	1.79	0.013	0.07	0.2	0.05	3.9	0.2	<0.05	6
L1050N S2700E	Soil	28	8	0.34	315	0.010	<20	0.88	0.008	0.18	0.1	0.13	5.8	0.5	0.16	3
L1050N S2750E	Soil	23	24	0.55	357	0.045	<20	1.73	0.019	0.07	0.2	0.07	4.3	0.2	<0.05	5
L1050N S2800E	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
L1050N S2850E	Soil	0.7	26.8	123.5	212	1.0	11.4	11.6	1186	2.18	14.3	3.0	5.4	2.6	51	2.7	1.3	2.1	55	0.75
L1050N S2900E	Soil	0.9	50.2	81.2	351	1.3	17.5	7.6	809	2.09	15.8	6.6	2.4	2.1	102	4.0	3.2	0.5	45	1.55
L1100N 450E	Soil	1.4	59.4	133.5	270	1.3	17.2	9.7	514	3.74	27.8	3.3	12.2	7.0	26	1.3	1.6	2.7	71	0.39
L1100N 1200E	Soil	1.0	21.5	117.1	194	1.4	15.1	10.4	438	3.27	25.4	1.6	6.8	6.8	24	0.6	1.9	2.1	73	0.38
L1100N 1800E	Soil	9.7	73.9	133.0	185	1.0	11.8	11.9	1458	3.38	28.7	3.6	88.3	12.0	24	1.2	2.8	2.9	68	0.35
L1100N 1900E	Soil	0.6	50.7	65.1	165	1.6	15.4	8.5	520	2.50	16.1	3.6	19.0	4.4	20	0.9	1.1	3.5	62	0.25
L1100N 2150E	Soil	1.0	47.0	62.9	147	1.4	13.4	11.9	965	2.86	22.2	4.5	14.0	3.8	27	1.0	0.9	4.0	67	0.34
L1100N S2400E	Soil	1.3	24.9	835.7	2349	0.8	7.2	13.9	6712	3.59	21.4	5.2	4.5	18.8	29	24.5	3.3	0.8	51	0.41
L1100N S2600E	Soil	0.8	32.9	51.1	154	1.1	13.6	9.1	521	2.46	16.3	2.9	7.5	3.3	39	0.5	0.9	2.8	63	0.49
L1100N S2650E	Soil	2.9	31.8	87.4	209	0.5	8.0	9.1	721	2.80	14.1	2.8	5.7	9.7	24	1.5	1.9	1.3	61	0.39
L1100N S2750E	Soil	0.7	38.2	225.6	145	1.7	11.4	6.0	273	2.19	10.2	3.6	7.2	2.4	26	0.7	0.7	0.6	54	0.33
L1100N S2850E	Soil	1.2	13.8	43.0	187	0.3	14.1	11.5	759	3.11	8.0	1.8	1.7	5.3	19	0.8	1.1	0.6	75	0.30
L1100N S3000E	Soil	1.1	16.3	31.2	118	<0.1	15.0	11.9	718	3.10	10.3	1.1	4.4	3.6	19	0.9	0.5	0.5	77	0.26
L1150N 000E	Soil	0.6	15.2	24.7	163	0.5	14.3	8.2	475	2.55	7.1	4.3	1.6	4.1	39	0.5	0.6	0.4	61	0.56
L1150N 100E	Soil	1.1	13.2	80.8	294	0.3	13.3	11.5	1138	3.21	23.6	1.7	2.2	5.5	26	1.4	1.2	0.5	74	0.37
L1150N 200E	Soil	1.2	12.6	47.7	228	0.2	15.2	12.5	1167	2.88	14.4	2.8	1.5	2.5	52	2.1	0.9	0.4	63	0.57
L1150N 400E	Soil	1.1	14.6	55.4	278	0.3	12.5	7.6	618	2.41	25.6	5.7	1.8	2.4	57	1.7	1.0	0.8	54	0.65
L1150N 600E	Soil	1.0	72.9	114.1	222	3.8	17.3	9.2	981	3.30	32.8	5.5	33.1	2.6	26	0.6	5.2	3.7	69	0.36
L1150N 650E	Soil	1.0	21.2	62.7	306	0.4	17.1	9.5	750	2.81	29.7	5.6	2.3	2.7	59	2.1	0.9	1.1	65	0.85
L1150N 700E	Soil	1.2	17.1	57.1	381	0.4	17.1	8.6	627	2.90	22.5	2.6	3.6	3.6	44	4.1	1.0	0.8	68	0.66
L1150N 800E	Soil	1.3	23.9	95.4	400	0.6	15.2	8.9	702	2.91	21.0	5.8	3.7	3.9	38	1.5	1.4	0.6	62	0.66
L1150N 850E	Soil	1.7	39.5	93.2	386	1.0	16.9	9.2	1071	3.18	39.5	5.7	8.0	3.8	51	2.8	2.0	2.9	65	0.87
L1150N 900E	Soil	1.4	23.3	62.0	238	0.5	20.9	11.2	722	3.00	16.2	6.0	7.1	6.6	29	1.2	0.7	1.3	68	0.41
L1150N 950E	Soil	1.5	46.5	137.3	371	0.9	18.3	9.2	1020	3.53	33.0	4.3	12.2	3.4	39	3.1	2.6	2.3	70	0.52
L1150N 1050E	Soil	1.3	28.1	85.7	212	0.9	12.0	7.8	673	2.65	31.3	2.5	4.6	2.5	23	1.8	1.6	2.4	72	0.25
L1150N 1100E	Soil	1.2	21.3	106.6	291	1.2	14.8	12.7	1236	3.22	13.4	2.6	4.7	3.8	25	3.0	1.2	1.8	67	0.33
L1150N 1150E	Soil	1.0	39.1	39.9	190	1.6	13.9	6.9	715	2.54	14.9	4.3	10.1	1.5	33	1.1	1.9	1.5	57	0.47
L1150N 1200E	Soil	1.3	55.0	357.3	329	1.2	18.8	15.7	1886	3.69	37.6	3.0	9.6	6.2	31	1.7	3.6	2.7	78	0.43
L1150N 1250E	Soil	0.8	17.1	46.0	144	0.3	14.9	10.3	484	2.84	5.6	1.9	3.6	5.4	27	0.4	0.6	0.5	72	0.49
L1150N 1400E	Soil	0.8	52.1	128.4	249	2.0	20.1	11.4	434	3.01	9.7	4.6	14.4	9.7	23	1.1	0.9	3.9	73	0.37

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L1050N S2850E	Soil	17	21	0.50	295	0.054	<20	1.39	0.015	0.09	0.2	0.08	3.7	0.2	0.05	5
L1050N S2900E	Soil	27	26	0.47	514	0.040	<20	1.54	0.015	0.07	0.2	0.07	4.1	0.2	0.13	5
L1100N 450E	Soil	22	30	0.58	262	0.052	<20	1.74	0.011	0.07	0.5	0.06	5.7	0.2	<0.05	6
L1100N 1200E	Soil	13	31	0.58	168	0.061	<20	1.75	0.013	0.07	0.2	0.03	4.3	0.3	<0.05	6
L1100N 1800E	Soil	21	20	0.60	326	0.069	<20	1.33	0.015	0.15	0.4	0.95	4.8	0.3	<0.05	5
L1100N 1900E	Soil	15	33	0.58	233	0.070	<20	2.12	0.012	0.07	0.2	0.05	4.5	0.3	<0.05	7
L1100N 2150E	Soil	36	26	0.49	304	0.057	<20	1.75	0.012	0.08	0.2	0.06	5.0	0.3	<0.05	6
L1100N S2400E	Soil	38	11	0.46	342	0.019	<20	1.09	0.007	0.17	0.2	0.11	7.4	0.5	<0.05	4
L1100N S2600E	Soil	18	26	0.54	325	0.056	<20	1.64	0.011	0.07	0.2	0.10	4.4	0.2	<0.05	6
L1100N S2650E	Soil	19	14	0.60	212	0.076	<20	1.23	0.012	0.15	0.2	0.03	4.3	0.2	<0.05	5
L1100N S2750E	Soil	14	24	0.46	192	0.046	<20	1.57	0.011	0.06	0.1	0.07	3.7	0.2	<0.05	6
L1100N S2850E	Soil	12	27	0.67	170	0.102	<20	1.77	0.011	0.11	0.2	0.01	3.5	0.2	<0.05	6
L1100N S3000E	Soil	10	23	0.54	124	0.063	<20	1.67	0.011	0.09	1.2	0.03	2.5	0.2	<0.05	6
L1150N 000E	Soil	20	27	0.61	292	0.076	<20	1.65	0.013	0.10	0.2	0.04	4.4	0.2	<0.05	5
L1150N 100E	Soil	13	26	0.72	244	0.075	<20	1.84	0.009	0.11	0.1	0.03	4.3	0.2	<0.05	6
L1150N 200E	Soil	11	27	0.62	204	0.056	<20	1.72	0.010	0.09	<0.1	0.03	4.1	0.2	0.05	6
L1150N 400E	Soil	12	23	0.55	226	0.057	<20	1.39	0.012	0.06	0.1	0.03	3.7	0.2	0.07	4
L1150N 600E	Soil	18	34	0.60	299	0.047	<20	2.05	0.011	0.08	0.1	0.05	4.1	0.2	<0.05	6
L1150N 650E	Soil	16	32	0.61	301	0.062	<20	1.82	0.018	0.07	<0.1	0.04	4.5	0.2	0.08	6
L1150N 700E	Soil	11	32	0.65	244	0.066	<20	1.92	0.017	0.11	<0.1	0.04	4.7	0.2	0.05	6
L1150N 800E	Soil	22	29	0.61	281	0.056	<20	1.78	0.013	0.08	<0.1	0.05	5.4	0.3	<0.05	5
L1150N 850E	Soil	15	28	0.61	252	0.073	<20	1.52	0.019	0.11	0.2	0.06	4.5	0.3	0.08	5
L1150N 900E	Soil	27	37	0.65	320	0.097	<20	2.04	0.016	0.08	0.2	0.03	6.1	0.2	<0.05	6
L1150N 950E	Soil	12	37	0.62	262	0.052	<20	2.11	0.017	0.12	0.2	0.06	5.7	0.2	0.07	7
L1150N 1050E	Soil	14	24	0.41	243	0.072	<20	1.40	0.014	0.06	0.1	0.02	3.2	0.2	<0.05	7
L1150N 1100E	Soil	9	32	0.53	153	0.063	<20	2.01	0.012	0.11	<0.1	0.05	3.7	0.2	<0.05	7
L1150N 1150E	Soil	13	29	0.52	237	0.055	<20	1.70	0.018	0.06	0.1	0.04	3.4	0.1	<0.05	6
L1150N 1200E	Soil	15	33	0.60	266	0.069	<20	2.01	0.014	0.10	0.2	0.08	4.3	0.2	<0.05	7
L1150N 1250E	Soil	12	27	0.71	195	0.112	<20	1.61	0.014	0.08	<0.1	0.03	3.6	0.2	<0.05	6
L1150N 1400E	Soil	22	37	0.74	241	0.104	<20	2.05	0.013	0.10	0.1	0.04	6.2	0.3	<0.05	6

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
L1150N 1500E	Soil	1.2	37.3	96.2	157	0.9	18.1	10.4	626	2.93	13.3	2.9	21.8	7.2	23	0.4	1.1	2.2	69	0.40
L1150N 1550E	Soil	1.4	58.4	71.8	214	1.6	20.2	12.1	1433	3.50	19.7	4.3	13.5	8.6	22	1.2	2.8	3.3	76	0.36
L1150N 1650E	Soil	0.9	28.9	66.4	205	0.9	15.9	8.3	611	2.62	10.6	1.9	5.6	2.4	41	1.1	0.8	2.8	62	0.58
L1150N 1700E	Soil	0.5	24.6	189.0	260	1.9	15.7	8.1	1488	2.69	14.9	1.5	14.1	10.2	25	1.1	1.4	3.1	63	0.41
L1150N 1800E	Soil	1.4	21.6	169.8	205	2.1	16.0	12.9	3930	3.85	27.4	1.4	13.7	6.5	28	0.8	1.8	3.1	69	0.42
L1150N 1850E	Soil	0.9	29.2	84.6	189	1.4	15.9	10.7	650	2.98	28.1	1.7	16.4	3.6	29	1.0	1.5	3.0	61	0.48
L1150N 1900E	Soil	1.1	37.0	65.4	161	2.2	13.1	7.4	964	1.85	9.9	3.8	23.1	1.1	32	1.3	1.1	2.4	48	0.52
L1150N 1950E	Soil	0.7	18.7	80.9	180	1.6	16.5	7.2	245	2.45	14.4	1.9	10.9	4.0	25	0.8	0.7	3.6	63	0.37
L1150N 2000E	Soil	3.8	49.1	97.6	181	1.6	16.6	12.4	1230	3.62	34.5	3.1	33.6	6.4	24	0.9	1.4	3.9	74	0.34
L1150N 2200E	Soil	0.8	46.7	63.8	147	1.3	14.3	7.8	267	2.88	25.5	3.0	15.2	4.0	15	0.4	1.0	3.2	66	0.22
L1150N 2350E	Soil	0.9	48.6	62.7	151	1.5	14.8	10.3	968	2.99	25.1	3.6	25.3	4.6	19	0.7	0.9	3.9	65	0.24
L1150N 2450E	Soil	0.8	36.7	43.7	139	1.0	12.3	8.5	654	2.75	16.2	2.8	11.6	3.7	26	0.6	0.8	2.6	60	0.37
L1150N 2550E	Soil	0.7	41.8	47.9	115	1.3	12.0	6.0	183	2.14	8.1	5.4	16.3	2.5	31	0.3	0.7	2.9	45	0.42
L1150N 2600E	Soil	0.8	34.9	59.7	190	0.9	13.1	10.1	1091	2.68	13.6	4.6	14.4	3.7	34	1.4	0.8	2.2	57	0.53
L1150N 2650E	Soil	0.8	24.7	1369	1034	2.5	11.6	12.2	2036	3.68	103.0	3.7	38.7	10.8	24	8.2	4.2	0.6	62	0.38
L1150N 2950E	Soil	0.6	16.0	23.9	296	0.6	14.8	8.5	543	3.03	15.7	6.7	2.5	4.6	52	1.4	0.9	0.4	70	0.79
L1200N 200E	Soil	0.9	33.6	128.7	323	1.4	19.8	10.3	733	3.14	18.5	1.7	28.8	4.8	29	1.2	1.0	3.1	67	0.48
L1200N 1700E	Soil	0.8	33.2	99.4	235	1.1	20.3	9.9	456	2.82	15.8	2.0	8.5	6.2	27	1.0	1.1	2.1	63	0.45
L1200N 1800E	Soil	1.4	29.9	126.0	221	2.2	17.5	9.8	763	3.73	36.9	2.7	22.8	2.8	39	0.8	1.5	3.6	81	0.62
L1200N 1850E	Soil	1.5	48.6	129.4	208	5.5	17.3	8.2	1120	2.95	47.4	6.9	99.0	2.8	43	1.2	2.1	5.4	55	0.69
L1200N 1900E	Soil	0.8	23.3	82.7	160	1.2	17.7	20.8	3252	2.78	17.6	1.8	8.9	4.0	22	1.0	0.8	3.4	64	0.31
L1200N 2000E	Soil	1.1	22.1	97.6	181	1.2	17.7	15.2	739	3.73	36.0	1.8	16.8	7.2	25	0.7	1.1	3.6	76	0.38
L1200N 2050E	Soil	1.4	29.2	78.0	161	2.2	15.8	14.4	2318	3.10	31.9	2.6	31.1	2.0	28	0.6	1.3	4.7	66	0.34
L1200N 2200E	Soil	2.2	23.7	180.6	418	0.7	18.2	13.8	4662	4.18	132.1	3.2	3.0	6.1	29	2.7	4.0	0.2	40	0.38
L1200N 2250E	Soil	0.8	45.7	68.4	134	2.2	13.7	8.9	279	3.21	37.6	3.1	33.0	4.4	18	0.5	1.2	4.9	63	0.23
L1200N 2400E	Soil	1.5	68.1	70.0	194	1.3	17.5	9.9	1303	3.21	30.3	6.0	46.1	3.0	49	1.1	1.4	5.9	62	0.72
L1200N 2600E	Soil	0.9	26.8	85.6	196	1.1	17.6	9.8	462	2.94	10.7	5.0	158.3	4.5	38	1.4	0.8	0.9	64	0.52
L1200N 2800E	Soil	3.2	84.5	67.9	164	0.5	13.2	8.5	483	3.73	19.1	3.1	9.5	9.3	17	0.6	1.6	1.1	70	0.29
L1200N 2950E	Soil	1.0	16.9	29.3	158	0.5	19.7	11.8	754	3.48	31.9	3.8	3.3	4.6	34	0.4	0.9	1.0	86	0.41
L1250N 300E	Soil	0.5	18.3	315.6	603	0.5	10.1	11.3	1770	3.92	33.6	3.0	12.2	11.0	25	2.3	2.1	0.4	65	0.58

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L1150N 1500E	Soil	14	34	0.63	193	0.090	<20	1.87	0.014	0.08	0.1	0.03	4.8	0.2	<0.05	6
L1150N 1550E	Soil	22	33	0.67	233	0.089	<20	1.83	0.014	0.09	0.1	0.05	6.5	0.2	<0.05	6
L1150N 1650E	Soil	14	30	0.55	264	0.055	<20	1.70	0.015	0.06	<0.1	0.04	3.6	0.2	<0.05	6
L1150N 1700E	Soil	15	30	0.64	193	0.071	<20	1.78	0.015	0.07	<0.1	0.04	4.2	0.3	<0.05	6
L1150N 1800E	Soil	11	33	0.58	266	0.052	<20	1.87	0.013	0.06	0.1	0.03	4.0	0.3	<0.05	6
L1150N 1850E	Soil	14	29	0.55	210	0.066	<20	1.50	0.013	0.07	0.2	0.04	3.5	0.2	<0.05	5
L1150N 1900E	Soil	20	28	0.44	284	0.033	<20	1.56	0.018	0.05	0.1	0.08	2.8	0.5	0.07	5
L1150N 1950E	Soil	11	32	0.57	183	0.061	<20	1.74	0.012	0.08	0.2	0.05	4.1	0.2	<0.05	6
L1150N 2000E	Soil	20	32	0.62	253	0.072	<20	1.81	0.010	0.09	0.3	0.10	5.3	0.3	<0.05	6
L1150N 2200E	Soil	17	30	0.53	191	0.058	<20	1.82	0.009	0.05	<0.1	0.04	3.9	0.2	<0.05	6
L1150N 2350E	Soil	17	30	0.56	204	0.068	<20	1.82	0.009	0.07	0.2	0.05	4.3	0.2	<0.05	6
L1150N 2450E	Soil	16	24	0.54	237	0.064	<20	1.53	0.010	0.07	0.2	0.04	4.0	0.2	<0.05	6
L1150N 2550E	Soil	26	26	0.48	284	0.048	<20	1.71	0.010	0.05	0.1	0.09	5.1	0.3	<0.05	5
L1150N 2600E	Soil	28	24	0.54	291	0.054	<20	1.55	0.010	0.12	0.1	0.06	4.7	0.2	<0.05	5
L1150N 2650E	Soil	25	20	0.53	296	0.045	<20	1.43	0.007	0.13	<0.1	0.10	6.4	0.3	<0.05	5
L1150N 2950E	Soil	21	30	0.66	253	0.081	<20	2.01	0.019	0.11	0.1	0.04	5.4	0.2	0.07	6
L1200N 200E	Soil	15	34	0.62	201	0.069	<20	1.88	0.017	0.07	0.1	0.04	4.4	0.3	<0.05	6
L1200N 1700E	Soil	16	35	0.68	196	0.082	<20	2.05	0.019	0.08	0.1	0.04	5.1	0.2	<0.05	6
L1200N 1800E	Soil	15	35	0.58	290	0.053	<20	2.11	0.018	0.09	0.1	0.06	5.0	0.2	0.06	7
L1200N 1850E	Soil	25	31	0.47	295	0.031	<20	1.67	0.018	0.10	0.2	0.12	6.4	0.3	0.10	5
L1200N 1900E	Soil	13	35	0.56	227	0.063	<20	1.97	0.015	0.06	0.3	0.05	4.0	0.3	<0.05	6
L1200N 2000E	Soil	13	34	0.62	203	0.079	<20	1.96	0.022	0.08	0.2	0.04	4.9	0.3	<0.05	6
L1200N 2050E	Soil	14	32	0.50	281	0.044	<20	1.79	0.018	0.06	0.2	0.06	4.5	0.3	0.07	6
L1200N 2200E	Soil	40	17	0.26	529	0.007	<20	1.06	0.006	0.14	<0.1	0.08	7.2	0.8	<0.05	3
L1200N 2250E	Soil	15	27	0.56	189	0.060	<20	2.00	0.012	0.06	0.1	0.05	4.1	0.3	<0.05	6
L1200N 2400E	Soil	44	26	0.55	461	0.049	<20	2.01	0.020	0.11	0.3	0.08	5.6	0.3	0.13	6
L1200N 2600E	Soil	23	34	0.61	351	0.068	<20	2.31	0.017	0.10	0.1	0.08	6.0	0.2	<0.05	7
L1200N 2800E	Soil	16	23	0.60	151	0.082	<20	1.60	0.012	0.13	0.2	0.03	4.5	0.2	<0.05	5
L1200N 2950E	Soil	17	36	0.73	318	0.099	<20	2.50	0.015	0.09	0.2	0.03	5.1	0.2	<0.05	7
L1250N 300E	Soil	23	18	0.59	245	0.035	<20	1.43	0.009	0.18	0.2	0.04	7.2	0.3	<0.05	5

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Method	Analyte	Unit	MDL	1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX U ppm 0.1	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001
L1250N 600E	Soil			1.4	18.3	114.7	465	0.5	16.1	8.5	421	2.80	45.1	2.7	3.1	1.7	51	3.0	2.0	0.4	62	0.65	0.079
L1250N 650E	Soil			1.7	12.1	42.0	166	0.3	13.2	8.1	460	2.94	16.1	3.9	1.1	2.9	41	0.3	1.3	0.4	57	0.49	0.052
L1250N 1450E	Soil			0.9	34.0	52.0	124	0.4	25.2	8.3	401	2.64	6.0	3.4	6.8	7.6	27	0.4	0.5	0.7	67	0.44	0.080
L1250N 1700E	Soil			0.8	27.8	140.3	256	1.8	19.0	8.3	388	2.58	16.6	1.7	12.9	5.2	25	0.5	1.1	3.0	69	0.44	0.066
L1250N 1750E	Soil			0.7	29.8	118.8	234	1.2	18.6	8.7	356	2.60	12.4	1.7	13.4	6.7	25	0.8	1.0	2.2	61	0.45	0.068
L1250N 2050E	Soil			1.0	23.3	53.5	186	2.0	16.9	8.4	412	2.78	20.4	1.6	17.4	2.6	26	1.0	0.9	5.1	66	0.41	0.062
L1250N 2300E	Soil			25.8	143.3	104.3	166	1.5	13.1	12.9	945	4.07	49.8	3.8	71.4	9.7	28	0.9	3.6	4.6	72	0.33	0.087
L1250N 2400E	Soil			0.9	37.5	63.5	147	1.9	14.1	12.3	2065	3.05	37.3	1.9	26.4	4.1	21	0.5	1.1	4.6	67	0.29	0.057
L1250N 2450E	Soil			1.0	49.0	58.7	136	1.7	14.4	17.5	931	3.63	21.6	3.7	30.8	4.7	20	0.8	1.2	4.4	67	0.26	0.077
L1250N 2900E	Soil			0.8	29.9	50.6	150	0.7	16.2	9.5	662	2.58	17.8	4.2	17.2	3.1	42	0.6	0.8	0.9	58	0.71	0.073
L1250N 3000E	Soil			0.9	34.7	109.4	178	0.7	17.0	14.8	2038	2.72	13.9	4.0	13.8	2.3	36	1.0	1.0	0.8	61	0.50	0.074
L1300N 50E	Soil			0.9	26.8	34.2	188	0.8	18.8	11.1	911	3.16	13.0	7.4	1.6	3.7	59	1.2	1.0	0.4	72	0.84	0.083
L1300N 100E	Soil			0.8	23.4	21.2	239	0.5	16.8	10.0	642	3.10	13.0	8.2	2.3	3.7	45	0.9	0.8	0.4	72	0.63	0.070
L1300N 300E	Soil			0.9	15.3	25.5	132	0.4	15.9	12.6	684	2.96	25.2	4.3	2.5	3.5	41	0.6	0.7	0.7	73	0.51	0.073
L1300N 350E	Soil			1.0	16.4	45.0	178	0.5	19.3	9.2	385	3.43	49.4	3.6	6.7	6.0	23	0.7	1.0	0.5	88	0.33	0.075
L1300N 400E	Soil			0.8	11.1	48.5	333	0.7	14.6	8.5	617	2.84	44.7	1.7	2.5	3.5	32	3.9	1.1	1.0	69	0.50	0.035
L1300N 450E	Soil			1.1	15.7	59.0	427	0.7	15.2	9.5	691	3.34	96.1	1.8	2.6	3.5	30	2.9	2.2	0.7	75	0.41	0.064
L1300N 500E	Soil			1.0	14.8	30.7	378	0.5	10.7	7.6	458	2.15	18.2	0.8	1.0	1.8	41	4.3	1.3	0.4	61	0.57	0.044
L1300N 650E	Soil			1.3	18.7	46.9	229	0.6	16.0	11.0	896	2.90	22.0	2.3	204.6	1.5	44	2.8	1.3	0.4	58	0.52	0.085
L1300N 2150E	Soil			0.6	28.8	64.3	163	2.2	16.0	10.7	525	2.55	17.3	1.9	30.0	4.0	21	0.5	1.2	4.7	67	0.29	0.048
L1300N 2350E	Soil			22.7	148.2	66.4	132	2.2	12.0	10.5	636	3.58	49.5	2.8	154.6	6.7	24	0.7	4.6	4.7	62	0.26	0.080
L1300N 2500E	Soil			0.9	49.6	86.8	222	0.9	17.4	12.2	715	3.19	19.9	3.4	17.3	8.2	25	1.2	1.2	2.9	71	0.30	0.074
L1300N 2550E	Soil			0.8	28.9	56.0	145	0.5	13.9	8.3	307	2.47	16.2	2.0	11.1	4.2	20	0.5	0.7	1.7	61	0.32	0.080
L1300N 2600E	Soil			1.2	56.2	74.9	107	1.0	14.9	24.6	2916	3.54	29.0	4.5	17.5	4.2	28	0.6	1.0	2.0	65	0.31	0.092
L1300N 2650E	Soil			1.5	74.4	70.2	215	1.5	21.1	11.1	1300	3.76	27.3	11.1	15.3	6.8	49	1.0	1.7	1.9	83	0.72	0.092
L1300N 2700E	Soil			1.7	68.9	112.8	141	1.0	17.9	18.6	4792	3.36	20.2	8.4	12.1	2.5	53	1.1	1.1	1.0	74	0.66	0.159
L1300N 2800E	Soil			1.1	34.5	47.3	120	0.2	12.9	8.3	1280	2.47	12.7	2.1	3.4	2.2	19	0.8	1.1	0.9	72	0.22	0.054
L1300N 2850E	Soil			1.3	61.7	88.6	179	0.4	13.4	12.2	1006	3.96	20.4	2.9	7.6	7.9	18	0.8	1.5	1.0	71	0.30	0.101
L1300N 2900E	Soil			0.6	26.9	63.7	298	0.2	3.8	10.8	1272	2.77	12.6	4.0	2.2	23.2	26	3.2	1.1	0.2	59	0.56	0.102
L1300N 3000E	Soil			12.3	555.5	54.6	34	0.6	4.4	2.6	119	25.94	41.2	5.1	121.2	8.5	12	0.1	6.8	3.1	47	0.05	0.072

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L1250N 600E	Soil	17	27	0.56	401	0.023	<20	1.93	0.014	0.09	0.1	0.04	4.4	0.3	0.06	5
L1250N 650E	Soil	14	23	0.59	269	0.035	<20	1.81	0.012	0.06	<0.1	0.04	3.6	0.3	<0.05	5
L1250N 1450E	Soil	19	37	0.74	251	0.110	<20	2.12	0.017	0.08	0.1	0.03	6.3	0.2	<0.05	6
L1250N 1700E	Soil	15	36	0.67	182	0.067	<20	2.10	0.019	0.07	0.1	0.03	4.2	0.3	<0.05	6
L1250N 1750E	Soil	14	36	0.66	172	0.088	<20	2.07	0.018	0.07	0.2	0.03	4.5	0.3	<0.05	6
L1250N 2050E	Soil	12	34	0.56	236	0.064	<20	2.04	0.022	0.08	0.2	0.04	3.8	0.2	<0.05	7
L1250N 2300E	Soil	22	26	0.63	329	0.076	<20	1.77	0.016	0.19	0.9	0.06	5.0	0.3	0.14	6
L1250N 2400E	Soil	13	26	0.56	217	0.066	<20	1.83	0.009	0.08	0.1	0.04	3.5	0.2	<0.05	6
L1250N 2450E	Soil	19	29	0.54	238	0.055	<20	2.06	0.014	0.06	0.2	0.06	4.8	0.3	<0.05	6
L1250N 2900E	Soil	32	26	0.60	325	0.056	<20	1.78	0.013	0.08	0.2	0.07	5.0	0.2	0.05	5
L1250N 3000E	Soil	27	27	0.55	339	0.046	<20	1.77	0.011	0.07	0.2	0.08	5.1	0.3	<0.05	6
L1300N 50E	Soil	28	33	0.61	399	0.062	<20	2.05	0.016	0.10	0.2	0.08	5.3	0.2	0.09	6
L1300N 100E	Soil	25	32	0.60	363	0.069	<20	2.11	0.019	0.09	0.3	0.06	5.5	0.2	<0.05	6
L1300N 300E	Soil	29	27	0.63	349	0.085	<20	2.09	0.016	0.09	0.3	0.03	4.0	0.2	<0.05	6
L1300N 350E	Soil	18	38	0.70	237	0.088	<20	2.52	0.016	0.10	0.2	0.04	5.4	0.2	<0.05	7
L1300N 400E	Soil	11	28	0.61	196	0.067	<20	1.93	0.013	0.08	0.2	0.02	3.3	0.2	<0.05	7
L1300N 450E	Soil	12	33	0.65	255	0.070	<20	2.14	0.015	0.11	<0.1	0.04	4.5	0.2	<0.05	8
L1300N 500E	Soil	7	21	0.50	199	0.075	<20	1.29	0.018	0.13	0.4	0.02	3.0	0.2	<0.05	6
L1300N 650E	Soil	16	28	0.55	398	0.031	<20	1.91	0.011	0.07	0.1	0.04	3.2	0.2	0.05	6
L1300N 2150E	Soil	11	32	0.58	214	0.058	<20	2.05	0.013	0.06	0.2	0.05	3.8	0.3	<0.05	6
L1300N 2350E	Soil	18	22	0.49	299	0.054	<20	1.40	0.010	0.15	0.6	0.05	4.1	0.2	0.13	5
L1300N 2500E	Soil	19	33	0.72	507	0.072	<20	2.11	0.014	0.08	0.2	0.05	5.9	0.2	<0.05	6
L1300N 2550E	Soil	15	24	0.59	206	0.066	<20	1.68	0.016	0.06	0.2	0.03	4.0	0.2	0.08	5
L1300N 2600E	Soil	22	29	0.42	251	0.046	<20	1.68	0.016	0.04	0.2	0.04	5.2	0.2	0.07	5
L1300N 2650E	Soil	40	37	0.61	389	0.049	<20	2.63	0.018	0.13	0.2	0.09	9.4	0.3	0.07	8
L1300N 2700E	Soil	29	39	0.38	406	0.036	<20	1.98	0.021	0.06	0.1	0.08	5.0	0.4	0.13	6
L1300N 2800E	Soil	14	23	0.47	201	0.075	<20	1.26	0.014	0.07	0.1	0.02	2.9	0.1	<0.05	6
L1300N 2850E	Soil	15	24	0.60	182	0.066	<20	1.55	0.012	0.10	0.2	0.03	4.8	0.2	0.05	6
L1300N 2900E	Soil	30	10	0.57	262	0.009	<20	1.59	0.008	0.17	<0.1	0.02	8.9	0.2	<0.05	5
L1300N 3000E	Soil	7	16	0.13	115	0.038	<20	0.57	0.007	0.08	1.4	0.07	1.9	0.1	0.63	3

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
L1350N 250E	Soil	1.0	17.0	41.5	146	0.6	15.2	12.0	829	2.80	31.0	4.5	3.3	4.8	36	0.5	1.1	1.2	73	0.42
L1350N 300E	Soil	1.0	17.2	28.0	134	0.4	13.7	11.7	929	2.83	28.1	4.9	2.2	4.1	35	0.4	0.9	0.6	70	0.44
L1350N 350E	Soil	0.9	12.9	33.8	143	0.3	13.4	8.2	484	2.47	12.4	2.9	1.8	3.6	26	0.7	0.6	0.4	65	0.39
L1350N 500E	Soil	1.0	22.1	98.8	487	0.6	14.8	10.1	762	2.69	37.9	3.9	94.9	4.0	29	2.2	2.0	0.6	63	0.37
L1350N 550E	Soil	0.9	21.0	136.3	759	0.6	16.3	10.0	629	2.99	47.6	5.8	5.9	6.3	31	2.2	2.1	0.8	68	0.44
L1350N 700E	Soil	0.9	17.3	36.6	194	0.4	16.9	6.9	342	2.29	11.7	2.1	1.8	2.0	36	1.4	1.1	0.6	53	0.41
L1350N 850E	Soil	1.7	29.5	102.5	663	1.0	18.9	10.1	758	3.41	60.1	6.7	5.5	4.5	44	2.4	2.1	3.1	75	0.69
L1350N 900E	Soil	1.1	17.6	65.2	284	0.4	17.0	9.3	621	2.93	33.2	1.8	2.6	3.5	23	1.2	1.3	1.0	65	0.30
L1350N 1550E	Soil	0.7	31.6	48.1	124	0.9	19.5	9.5	330	2.68	13.1	2.1	13.2	6.4	26	0.5	0.9	3.4	64	0.40
L1350N 1600E	Soil	0.8	23.7	73.5	179	1.0	18.3	9.9	676	2.67	14.1	1.7	10.9	4.8	25	0.6	0.9	2.6	61	0.36
L1350N 1750E	Soil	1.0	29.5	92.8	213	1.5	14.9	11.1	741	3.13	24.9	1.6	7.1	5.7	26	0.8	1.2	19.7	74	0.44
L1350N 2000E	Soil	1.1	31.7	73.4	175	1.4	14.8	11.0	1100	3.01	33.2	2.3	19.5	3.2	29	0.8	1.2	5.5	70	0.36
L1350N 2200E	Soil	1.3	73.0	77.0	143	2.4	11.6	10.3	749	3.35	47.1	4.2	44.2	5.5	22	0.6	1.4	9.4	68	0.26
L1350N 2400E	Soil	18.3	201.8	81.6	140	1.1	13.1	13.0	1027	3.64	53.2	3.4	63.6	7.9	25	0.7	3.5	5.9	67	0.26
L1350N 2450E	Soil	1.3	42.3	131.7	165	1.2	15.0	17.4	1154	3.38	27.2	3.0	22.0	6.2	19	0.6	1.2	3.3	74	0.24
L1350N 2750E	Soil	1.1	43.8	185.3	292	1.1	18.2	14.6	1557	3.57	29.2	2.9	583.3	7.3	27	1.1	2.8	2.2	77	0.35
L1350N 3000E	Soil	6.9	414.3	187.4	346	0.7	12.9	16.8	856	6.37	118.1	8.2	26.5	14.8	23	2.4	5.1	2.0	62	0.23
L1400N 150E	Soil	0.5	16.9	19.6	166	0.4	13.5	8.5	405	2.81	25.1	9.4	3.8	5.8	65	0.5	0.9	0.6	64	0.76
L1400N 400E	Soil	1.1	16.6	30.2	153	0.4	14.2	6.8	345	2.65	32.9	2.2	2.2	2.2	25	1.1	0.9	0.5	68	0.27
L1400N 450E	Soil	0.8	16.8	48.9	249	0.3	14.8	7.6	466	2.98	56.3	2.4	2.8	2.2	22	1.7	1.4	1.1	68	0.26
L1400N 550E	Soil	1.1	35.7	72.2	182	1.2	20.4	8.9	499	2.89	19.0	2.2	113.9	4.5	31	0.6	1.1	3.0	61	0.39
L1400N 600E	Soil	1.6	16.3	123.5	828	0.3	14.8	10.1	909	3.13	101.0	2.3	3.7	5.9	36	4.0	3.2	1.1	66	0.47
L1400N 650E	Soil	1.7	28.8	243.4	1155	1.2	13.3	10.2	1393	3.20	137.0	7.3	8.8	2.6	56	11.3	4.1	0.8	52	0.84
L1400N 700E	Soil	1.0	18.5	49.1	177	0.3	17.6	7.7	356	2.69	18.5	2.0	3.6	1.9	45	0.4	1.5	0.6	57	0.42
L1400N 750E	Soil	1.6	14.6	82.8	261	0.6	14.8	8.3	205	2.62	17.3	6.2	2.6	4.0	54	0.9	1.8	0.9	58	0.58
L1400N 850E	Soil	2.0	29.2	103.6	753	1.1	23.3	12.5	2858	3.34	61.1	4.5	3.6	3.9	36	11.9	1.8	3.0	67	0.49
L1400N 950E	Soil	1.0	19.0	65.6	248	<0.1	18.0	9.4	719	2.90	35.3	1.7	2.6	4.4	27	0.9	1.3	0.8	67	0.37
L1400N 1000E	Soil	1.6	29.6	82.4	197	0.8	14.0	12.5	861	3.84	32.0	1.7	4.2	4.8	18	1.3	1.2	3.7	77	0.24
L1400N 1100E	Soil	1.1	55.9	138.8	313	1.4	16.6	10.0	1080	3.35	36.2	3.7	20.5	8.4	30	2.7	1.7	4.0	72	0.51
L1400N 1600E	Soil	1.0	29.6	72.4	220	1.9	19.8	12.5	808	3.11	20.2	2.5	14.6	4.9	27	0.8	0.9	3.6	66	0.46

CERTIFICATE OF ANALYSIS

VAN07000885.1

	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L1350N 250E	Soil	16	28	0.60	325	0.079	<20	1.93	0.013	0.08	0.2	0.03	4.7	0.2	0.06	6
L1350N 300E	Soil	18	27	0.60	310	0.076	<20	1.75	0.014	0.08	0.3	0.03	4.1	0.2	0.07	6
L1350N 350E	Soil	15	31	0.61	268	0.068	<20	1.93	0.017	0.06	0.2	0.04	3.7	0.2	<0.05	6
L1350N 500E	Soil	17	29	0.62	280	0.047	<20	1.96	0.013	0.07	0.8	0.03	4.9	0.2	<0.05	6
L1350N 550E	Soil	20	33	0.68	300	0.053	<20	2.04	0.015	0.09	0.1	0.04	6.8	0.3	<0.05	6
L1350N 700E	Soil	10	30	0.60	295	0.045	<20	1.79	0.013	0.07	<0.1	0.03	3.7	0.2	<0.05	5
L1350N 850E	Soil	18	38	0.70	315	0.053	<20	2.33	0.017	0.08	0.2	0.06	7.3	0.3	0.05	7
L1350N 900E	Soil	10	30	0.63	178	0.054	<20	1.97	0.013	0.07	0.1	0.02	3.5	0.2	<0.05	6
L1350N 1550E	Soil	14	34	0.56	190	0.079	<20	1.76	0.019	0.06	0.2	0.03	4.7	0.2	0.06	6
L1350N 1600E	Soil	12	32	0.60	196	0.064	<20	1.76	0.013	0.06	0.2	0.03	4.0	0.2	<0.05	5
L1350N 1750E	Soil	12	30	0.62	181	0.078	<20	1.68	0.016	0.07	0.2	0.02	3.8	0.2	<0.05	6
L1350N 2000E	Soil	13	30	0.56	264	0.054	<20	1.79	0.017	0.06	0.1	0.05	3.9	0.2	0.06	6
L1350N 2200E	Soil	19	24	0.54	266	0.045	<20	1.94	0.017	0.07	0.2	0.05	4.4	0.2	<0.05	6
L1350N 2400E	Soil	18	26	0.56	275	0.060	<20	1.66	0.017	0.13	0.5	0.05	5.0	0.2	0.10	6
L1350N 2450E	Soil	17	30	0.61	234	0.052	<20	2.21	0.012	0.10	0.2	0.06	5.2	0.3	0.05	6
L1350N 2750E	Soil	16	32	0.66	272	0.060	<20	2.14	0.013	0.11	0.2	0.05	4.9	0.2	<0.05	7
L1350N 3000E	Soil	20	21	0.42	365	0.063	<20	1.37	0.013	0.19	0.6	0.03	5.6	0.3	0.09	5
L1400N 150E	Soil	20	26	0.62	280	0.084	<20	1.76	0.023	0.13	0.2	0.03	4.7	0.2	0.08	6
L1400N 400E	Soil	11	29	0.49	214	0.069	<20	1.62	0.015	0.07	0.2	0.04	2.8	0.1	0.07	7
L1400N 450E	Soil	10	30	0.55	159	0.061	<20	1.74	0.011	0.06	0.1	0.02	2.8	0.1	<0.05	7
L1400N 550E	Soil	13	35	0.59	183	0.069	<20	1.83	0.015	0.08	0.2	0.03	4.9	0.2	<0.05	6
L1400N 600E	Soil	11	29	0.63	301	0.054	<20	1.98	0.012	0.08	0.1	0.03	5.0	0.3	<0.05	6
L1400N 650E	Soil	21	21	0.59	309	0.022	<20	1.79	0.015	0.08	0.1	0.08	4.3	0.3	0.16	5
L1400N 700E	Soil	13	30	0.65	436	0.031	<20	2.01	0.013	0.05	0.2	0.02	3.7	0.2	<0.05	6
L1400N 750E	Soil	17	26	0.66	307	0.029	<20	1.91	0.015	0.06	<0.1	0.04	4.6	0.3	0.09	6
L1400N 850E	Soil	15	38	0.62	349	0.058	<20	2.12	0.020	0.07	0.2	0.04	5.7	0.3	<0.05	6
L1400N 950E	Soil	10	30	0.66	247	0.079	<20	1.65	0.017	0.07	0.2	0.02	3.6	0.2	<0.05	6
L1400N 1000E	Soil	10	30	0.53	110	0.057	<20	2.16	0.012	0.06	0.2	0.04	3.3	0.2	<0.05	8
L1400N 1100E	Soil	16	34	0.67	202	0.089	<20	1.80	0.019	0.10	0.2	0.03	5.8	0.3	<0.05	6
L1400N 1600E	Soil	16	35	0.67	186	0.065	<20	2.04	0.015	0.07	0.9	0.04	5.5	0.3	<0.05	6



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Report Date:

November 09, 2007

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Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
L1400N 1700E	Soil	1.0	41.9	113.4	229	1.2	19.9	10.9	434	2.99	15.9	3.6	18.6	10.8	25	1.0	1.0	2.6	79	0.41
L1400N 1850E	Soil	1.2	36.8	94.4	214	1.9	19.0	10.1	696	3.43	30.8	3.2	32.2	5.5	29	0.8	1.1	5.6	79	0.40
L1400N 1900E	Soil	0.6	36.1	67.6	167	2.0	14.9	6.6	215	2.61	23.8	3.4	24.1	5.2	15	0.9	0.9	5.5	70	0.18
L1400N 1950E	Soil	0.4	48.6	76.1	140	2.1	13.6	4.8	172	1.51	7.8	3.3	30.5	3.1	19	0.7	0.9	6.0	50	0.24
L1400N 2400E	Soil	1.4	42.2	54.5	120	2.1	16.0	15.6	1145	3.90	57.3	2.3	179.1	4.4	20	0.6	0.8	5.5	79	0.24
L1400N 2450E	Soil	22.2	256.4	89.4	162	1.4	14.7	14.0	1211	4.16	57.7	3.7	70.1	8.3	26	0.8	3.6	5.9	75	0.30
L1400N 2500E	Soil	1.5	129.6	349.7	348	3.1	22.7	13.2	447	5.11	41.7	11.3	38.8	10.8	19	1.6	1.4	3.0	78	0.22
L1400N 2550E	Soil	0.8	43.6	75.3	147	0.7	17.3	8.8	291	3.75	22.9	2.9	14.5	6.2	18	0.5	0.8	2.2	73	0.27
L1400N 2650E	Soil	1.1	58.5	120.6	198	1.0	16.9	16.6	786	5.47	47.6	4.0	15.7	8.3	18	1.0	1.5	2.3	87	0.24
L1400N 2800E	Soil	0.7	25.8	62.3	173	0.6	17.3	10.5	1070	3.00	15.1	1.7	10.1	5.9	20	0.4	0.8	1.4	76	0.31
L1400N 2850E	Soil	1.1	32.4	78.9	189	0.3	16.0	14.1	3880	3.32	27.3	2.2	7.9	4.1	28	0.9	0.7	1.3	79	0.42
L1400N 2900E	Soil	5.1	272.3	422.5	265	2.3	12.1	12.9	835	5.09	114.0	8.7	85.8	12.9	22	1.0	4.5	5.5	62	0.21
L1400N 2950E	Soil	1.1	74.2	240.1	316	0.6	19.5	16.0	901	3.88	72.9	2.6	18.9	10.8	24	1.8	2.2	2.5	79	0.37
L1400N 3000E	Soil	0.9	28.9	139.7	393	0.5	20.7	10.2	505	3.58	97.7	1.8	16.5	6.7	25	1.9	1.2	1.1	76	0.35
L1450N S350E	Soil	0.9	13.7	35.4	193	0.8	10.8	11.0	779	3.26	14.3	4.1	2.7	8.0	28	1.4	0.8	0.3	79	0.48
L1450N S400E	Soil	0.8	31.2	31.5	118	0.9	14.1	4.6	191	1.57	4.3	13.2	5.7	1.5	52	4.0	0.7	0.3	38	0.74
L1450N S600E	Soil	1.4	23.4	89.5	383	1.8	15.4	8.4	817	2.71	42.6	5.0	6.5	1.8	54	2.9	2.1	2.3	60	0.74
L1450N S850E	Soil	1.9	40.5	112.7	835	2.8	23.1	14.1	2240	3.80	74.0	10.8	12.9	2.3	32	5.1	1.9	2.1	66	0.43
L1450N S950E	Soil	1.7	16.8	98.3	316	0.7	19.8	15.5	1766	3.11	38.4	2.0	1.5	1.6	31	2.6	0.9	0.9	72	0.45
L1450N S1300E	Soil	1.2	94.6	67.5	255	2.8	21.9	12.5	1896	3.35	45.6	4.1	46.8	3.7	20	2.2	1.7	4.0	69	0.24
L1450N S1550E	Soil	1.1	16.2	64.6	133	2.5	14.0	5.9	263	2.55	18.6	1.0	35.4	1.5	19	0.3	1.4	5.5	65	0.29
L1450N S1600E	Soil	1.3	59.7	137.2	263	2.2	19.5	10.9	718	3.65	35.6	4.6	39.3	7.1	28	0.7	1.4	6.2	79	0.43
L1450N S1850E	Soil	1.1	45.0	14.2	28	0.5	5.6	2.0	105	1.10	3.5	4.6	5.2	0.2	11	1.9	0.4	0.8	25	0.08
L1450N S2350E	Soil	0.9	43.5	37.2	112	0.9	16.6	16.3	894	2.84	15.3	1.7	22.8	6.6	20	0.6	0.7	2.9	73	0.30
L1450N S2400E	Soil	1.0	59.4	39.2	112	1.3	15.4	9.5	444	3.34	21.0	2.7	22.4	3.1	22	0.7	0.8	3.2	71	0.26
L1450N 2500E	Soil	2.5	389.9	70.3	146	0.9	14.2	15.4	1168	4.11	45.5	3.2	40.4	7.8	19	0.6	2.5	5.5	77	0.26
L1450N 2550E	Soil	0.9	55.3	61.7	159	0.6	19.1	13.4	545	4.32	36.9	3.1	15.9	9.4	23	0.6	0.8	3.0	85	0.33
L1450N 2600E	Soil	1.1	45.7	60.3	113	0.8	14.1	15.3	2019	3.29	24.3	4.8	16.7	2.6	43	0.8	0.9	1.8	61	0.69
L1450N 2650E	Soil	3.1	51.5	138.1	168	1.6	19.0	55.8	6232	5.01	50.2	3.7	23.3	3.4	44	0.7	1.7	3.2	109	0.59
L1450N 2800E	Soil	1.1	49.1	86.4	182	0.3	16.5	17.2	1540	3.71	18.7	2.2	7.3	7.3	18	0.8	0.8	1.6	86	0.29

CERTIFICATE OF ANALYSIS

VAN07000885.1

	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L1400N 1700E	Soil	19	38	0.68	185	0.090	<20	2.13	0.017	0.08	0.2	0.04	6.4	0.3	<0.05	6
L1400N 1850E	Soil	16	40	0.65	242	0.064	<20	2.26	0.015	0.08	0.2	0.05	5.2	0.2	<0.05	7
L1400N 1900E	Soil	18	35	0.52	142	0.056	<20	2.16	0.013	0.06	0.2	0.06	5.0	0.3	<0.05	7
L1400N 1950E	Soil	17	33	0.48	182	0.050	<20	2.03	0.012	0.05	0.1	0.05	4.7	0.3	<0.05	6
L1400N 2400E	Soil	15	32	0.55	234	0.058	<20	2.07	0.012	0.07	0.1	0.06	3.9	0.3	<0.05	7
L1400N 2450E	Soil	22	28	0.60	289	0.061	<20	1.90	0.014	0.14	0.5	0.06	5.4	0.3	0.13	6
L1400N 2500E	Soil	57	45	0.53	291	0.028	<20	2.90	0.012	0.09	0.2	0.10	15.4	0.4	<0.05	7
L1400N 2550E	Soil	17	34	0.62	161	0.073	<20	2.05	0.013	0.07	0.2	0.07	5.0	0.2	<0.05	6
L1400N 2650E	Soil	26	33	0.54	206	0.052	<20	2.04	0.012	0.07	0.2	0.05	6.4	0.3	<0.05	6
L1400N 2800E	Soil	15	32	0.70	189	0.083	<20	1.97	0.012	0.09	0.2	0.04	4.4	0.3	<0.05	7
L1400N 2850E	Soil	18	30	0.63	310	0.071	<20	1.82	0.014	0.08	0.1	0.02	4.7	0.2	<0.05	7
L1400N 2900E	Soil	23	22	0.46	347	0.041	<20	1.58	0.012	0.16	0.3	0.04	5.8	0.3	0.23	5
L1400N 2950E	Soil	21	33	0.73	219	0.095	<20	1.98	0.013	0.15	0.1	0.03	5.0	0.2	0.06	6
L1400N 3000E	Soil	23	34	0.67	231	0.062	<20	2.16	0.010	0.09	<0.1	0.04	4.3	0.2	<0.05	7
L1450N S350E	Soil	24	21	0.74	303	0.071	<20	2.04	0.013	0.13	0.6	0.04	4.8	0.2	<0.05	7
L1450N S400E	Soil	47	29	0.39	340	0.035	<20	1.90	0.024	0.06	0.2	0.15	3.9	0.2	0.22	5
L1450N S600E	Soil	17	32	0.53	306	0.035	<20	1.91	0.017	0.06	0.1	0.06	3.8	0.2	0.08	6
L1450N S850E	Soil	29	41	0.55	332	0.028	<20	3.01	0.018	0.08	0.1	0.12	5.6	0.3	0.09	7
L1450N S950E	Soil	12	37	0.64	262	0.051	<20	2.15	0.018	0.06	<0.1	0.03	3.6	0.3	<0.05	7
L1450N S1300E	Soil	13	34	0.52	197	0.069	<20	2.14	0.018	0.08	0.1	0.05	4.6	0.2	<0.05	6
L1450N S1550E	Soil	9	32	0.50	102	0.050	<20	1.90	0.011	0.06	0.3	0.06	2.8	0.2	<0.05	7
L1450N S1600E	Soil	20	37	0.67	183	0.070	<20	2.21	0.018	0.09	0.2	0.05	6.2	0.3	<0.05	7
L1450N S1850E	Soil	18	16	0.07	73	0.021	<20	0.59	0.020	0.03	<0.1	0.06	1.4	<0.1	0.11	3
L1450N S2350E	Soil	15	33	0.67	178	0.094	<20	1.91	0.017	0.07	0.2	0.03	4.0	0.2	<0.05	7
L1450N S2400E	Soil	15	35	0.57	242	0.057	<20	2.10	0.014	0.07	0.2	0.07	4.0	0.2	<0.05	7
L1450N 2500E	Soil	19	30	0.60	238	0.063	<20	1.84	0.011	0.09	0.4	0.05	5.1	0.2	<0.05	6
L1450N 2550E	Soil	22	38	0.68	232	0.081	<20	2.18	0.013	0.07	0.1	0.05	6.1	0.3	<0.05	7
L1450N 2600E	Soil	21	32	0.45	234	0.044	<20	1.56	0.022	0.06	0.2	0.07	5.3	0.2	0.06	5
L1450N 2650E	Soil	16	44	0.59	381	0.048	<20	2.12	0.017	0.08	0.2	0.07	6.2	0.4	0.09	8
L1450N 2800E	Soil	18	30	0.70	208	0.077	<20	2.04	0.012	0.10	0.2	0.04	4.6	0.3	<0.05	7

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
L1450N 2900E	Soil	1.2	163.3	273.7	332	1.6	16.1	14.5	1225	3.59	70.8	3.6	25.2	4.6	25	2.6	4.0	4.2	65	0.28
L1450N 2950E	Soil	1.7	63.2	110.8	224	0.7	18.6	12.7	780	3.83	53.4	2.0	23.8	5.8	23	1.0	2.6	3.4	82	0.30
L1450N 3000E	Soil	1.6	64.0	413.8	777	1.1	15.6	26.0	3012	5.43	221.7	4.2	16.8	11.0	22	3.3	4.7	2.9	82	0.31
L1500N 250E	Soil	0.8	13.3	29.0	167	0.6	13.5	9.4	577	3.10	40.5	3.7	4.6	4.4	36	0.7	0.9	0.7	72	0.53
L1500N 350E	Soil	1.0	16.3	32.7	179	0.6	12.2	8.8	811	2.77	24.9	3.7	10.3	4.9	31	1.5	1.0	0.4	59	0.54
L1500N 500E	Soil	0.7	13.7	27.7	172	0.5	14.0	7.6	572	2.61	38.7	1.9	2.5	2.0	21	1.3	1.0	0.5	61	0.31
L1500N 550E	Soil	0.9	14.1	61.8	286	0.6	13.0	9.4	1305	2.76	57.5	3.4	3.7	1.4	28	1.5	1.6	1.4	53	0.44
L1500N 600E	Soil	1.1	21.2	69.9	340	1.1	15.6	7.7	599	2.94	53.3	4.2	4.1	2.7	33	0.8	1.7	2.3	62	0.53
L1500N 650E	Soil	1.3	24.2	173.0	563	1.9	15.4	9.6	585	3.31	70.4	6.7	12.7	6.5	28	1.7	3.3	1.3	68	0.51
L1500N 800E	Soil	1.2	17.9	69.3	197	0.6	18.0	9.3	377	2.81	27.3	3.3	3.6	3.6	38	0.5	1.5	0.7	56	0.44
L1500N 1050E	Soil	1.3	51.8	192.1	288	1.8	14.8	10.9	1010	4.04	99.8	4.9	60.5	8.1	21	1.0	2.8	19.6	71	0.34
L1500N 1150E	Soil	1.3	166.1	398.4	402	14.1	15.3	9.3	1412	3.96	270.7	2.5	166.2	6.5	18	1.5	12.9	25.7	59	0.26
L1500N 1300E	Soil	2.6	91.2	474.8	343	11.2	9.9	6.4	416	5.65	336.9	1.4	128.7	3.8	18	0.7	12.9	11.5	69	0.26
L1500N 1600E	Soil	1.5	71.4	162.8	269	0.9	12.9	9.7	1801	4.48	92.4	2.4	39.3	7.2	24	0.9	3.0	8.6	55	0.40
L1500N 2200E	Soil	0.9	53.5	31.5	88	0.9	14.3	7.5	230	2.64	18.3	2.3	38.6	5.2	14	0.4	1.0	3.0	66	0.22
L1500N 2450E	Soil	0.9	52.9	40.1	111	1.4	15.7	11.5	1019	3.66	34.9	2.6	49.6	5.0	18	0.5	1.0	4.0	67	0.26
L1500N 2500E	Soil	0.9	50.5	44.5	120	0.7	15.1	15.4	867	3.95	39.1	2.2	49.7	6.3	17	0.5	1.1	3.0	66	0.27
L1500N 2550E	Soil	0.8	54.1	54.9	127	0.8	16.3	10.4	351	3.47	33.0	2.3	20.3	7.2	18	0.7	1.3	2.9	66	0.31
L1500N 2650E	Soil	0.6	31.9	34.0	116	0.2	18.2	9.2	741	2.93	16.2	1.5	12.0	5.8	20	0.5	0.8	1.1	60	0.36
L1500N 2700E	Soil	0.5	25.9	52.0	140	0.4	16.3	8.4	384	2.70	12.0	2.0	9.0	5.9	18	0.5	0.9	1.5	61	0.30
L1500N 2750E	Soil	0.7	35.3	63.6	175	0.4	18.3	13.8	750	3.74	23.3	3.6	71.3	11.3	23	0.8	0.9	1.2	77	0.42
L1500N 2800E	Soil	0.9	41.7	48.0	141	0.3	16.0	16.1	2858	3.23	15.8	2.4	5.7	4.6	18	0.5	0.7	1.1	69	0.29
L1500N 2850E	Soil	1.0	66.1	55.2	135	0.5	19.4	12.0	848	3.36	34.3	1.2	15.5	5.4	17	0.4	1.4	3.2	64	0.28
L1500N 2900E	Soil	1.2	70.1	84.5	162	1.6	18.6	10.8	706	3.80	65.9	1.4	29.9	4.8	19	0.7	4.5	4.7	72	0.26
L1500N 3000E	Soil	2.5	67.2	150.7	308	1.9	20.0	20.5	1268	4.96	78.0	3.0	15.0	6.3	23	1.9	1.4	20.6	86	0.31

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
L1450N 2900E	Soil	25	27	0.44	226	0.031	<20	1.82	0.009	0.11	0.1	0.07	4.2	0.2	0.07	6
L1450N 2950E	Soil	16	34	0.62	182	0.071	<20	2.02	0.011	0.10	0.1	0.03	4.2	0.2	<0.05	7
L1450N 3000E	Soil	21	29	0.56	214	0.038	<20	2.14	0.008	0.11	0.2	0.04	6.1	0.3	<0.05	7
L1500N 250E	Soil	16	26	0.63	317	0.069	<20	1.95	0.011	0.11	0.2	0.03	3.8	0.2	<0.05	6
L1500N 350E	Soil	22	23	0.57	287	0.054	<20	1.62	0.013	0.11	0.3	0.04	3.8	0.2	<0.05	5
L1500N 500E	Soil	10	29	0.54	149	0.058	<20	1.73	0.013	0.06	0.2	0.04	2.6	0.1	<0.05	5
L1500N 550E	Soil	15	24	0.49	204	0.024	<20	1.74	0.011	0.06	0.2	0.03	2.8	0.2	<0.05	5
L1500N 600E	Soil	18	32	0.61	305	0.041	<20	2.11	0.010	0.07	<0.1	0.05	4.1	0.2	<0.05	6
L1500N 650E	Soil	22	31	0.68	183	0.049	<20	2.13	0.011	0.08	0.2	0.06	5.8	0.3	<0.05	6
L1500N 800E	Soil	19	30	0.63	401	0.042	<20	2.03	0.013	0.07	0.1	0.04	4.4	0.9	<0.05	5
L1500N 1050E	Soil	17	34	0.58	155	0.056	<20	1.97	0.012	0.10	0.2	0.04	5.7	0.3	<0.05	6
L1500N 1150E	Soil	10	28	0.56	148	0.057	<20	1.73	0.010	0.10	0.2	0.04	4.0	0.2	0.07	5
L1500N 1300E	Soil	12	21	0.45	136	0.016	<20	1.77	0.008	0.09	0.2	0.08	2.1	0.4	0.12	7
L1500N 1600E	Soil	14	23	0.45	166	0.037	<20	1.28	0.008	0.09	0.3	0.02	3.3	0.3	<0.05	5
L1500N 2200E	Soil	13	29	0.59	200	0.061	<20	1.95	0.011	0.06	0.3	0.04	3.5	0.2	<0.05	6
L1500N 2450E	Soil	16	30	0.58	234	0.048	<20	2.17	0.011	0.07	0.2	0.11	3.8	0.2	<0.05	6
L1500N 2500E	Soil	17	30	0.56	185	0.056	<20	1.76	0.013	0.07	0.2	0.04	4.1	0.2	<0.05	6
L1500N 2550E	Soil	19	30	0.55	200	0.060	<20	1.69	0.014	0.07	0.3	0.06	4.4	0.2	<0.05	5
L1500N 2650E	Soil	14	30	0.60	155	0.077	<20	1.56	0.016	0.08	0.2	0.03	3.6	0.2	<0.05	5
L1500N 2700E	Soil	13	28	0.61	164	0.059	<20	1.78	0.016	0.06	0.2	0.03	3.6	0.2	<0.05	6
L1500N 2750E	Soil	17	31	0.72	212	0.082	<20	1.92	0.013	0.09	0.1	0.03	5.0	0.2	<0.05	6
L1500N 2800E	Soil	12	29	0.64	191	0.071	<20	1.94	0.011	0.08	0.3	0.03	3.8	0.2	<0.05	6
L1500N 2850E	Soil	12	31	0.62	203	0.049	<20	2.11	0.008	0.07	0.2	0.03	3.7	0.2	<0.05	6
L1500N 2900E	Soil	14	31	0.56	193	0.048	<20	2.08	0.014	0.11	0.2	0.03	3.9	0.2	0.08	6
L1500N 3000E	Soil	25	36	0.56	259	0.035	<20	2.83	0.010	0.10	0.2	0.04	5.2	0.3	<0.05	9

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
L750N 2700E	Soil	0.8	30.8	45.5	150	1.1	14.4	7.6	401	2.56	15.1	4.1	36.1	4.1	24	0.6	0.7	2.0	59	0.31	0.057
REP L750N 2700E	QC	0.8	34.1	47.4	148	1.1	14.3	8.2	400	2.65	16.1	4.2	10.9	4.1	25	0.6	0.6	2.1	59	0.32	0.057
L800N S2900E	Soil	0.8	18.1	33.8	99	0.6	11.3	6.6	227	2.37	13.1	1.1	5.5	2.9	16	0.4	0.5	1.8	61	0.18	0.029
REP L800N S2900E	QC	0.9	18.3	36.1	108	0.6	12.1	6.7	223	2.51	13.5	1.1	10.1	3.0	17	0.4	0.5	1.8	60	0.18	0.028
L850N 1400E	Soil	0.6	33.5	97.3	204	3.9	20.3	7.3	450	2.33	10.7	3.3	14.4	3.1	26	0.6	2.8	4.9	63	0.38	0.073
REP L850N 1400E	QC	0.6	33.2	96.0	202	3.8	18.9	7.3	451	2.31	9.8	3.2	120.2	2.9	24	0.6	2.6	5.0	61	0.38	0.076
L850N 2650E	Soil	1.0	33.3	53.8	149	1.3	15.8	12.0	654	2.91	19.0	2.7	22.4	4.2	25	0.7	0.8	2.3	66	0.34	0.061
REP L850N 2650E	QC	1.0	33.1	52.2	158	1.3	17.1	12.5	697	2.96	18.9	2.8	30.3	4.5	26	0.8	0.8	2.3	71	0.35	0.066
L850N 2800E	Soil	1.0	16.0	38.3	103	0.5	11.7	6.0	290	2.39	18.5	0.7	9.4	3.3	12	0.3	0.6	2.4	76	0.13	0.024
REP L850N 2800E	QC	1.0	14.6	37.3	97	0.5	11.6	5.8	286	2.35	17.2	0.7	6.5	3.0	12	0.3	0.6	2.3	76	0.13	0.025
L900N 1100E	Soil	1.2	44.6	101.2	297	1.7	22.0	8.6	593	3.56	17.6	7.9	7.5	4.4	44	1.2	2.0	1.1	77	0.67	0.086
REP L900N 1100E	QC	1.4	48.5	102.1	326	1.9	21.7	9.4	673	3.72	18.8	8.3	6.6	4.4	46	1.4	2.2	1.1	79	0.70	0.092
L950N 150E	Soil	0.9	11.5	49.0	156	<0.1	13.6	7.4	367	3.17	7.0	1.3	2.6	6.1	13	0.5	0.8	0.4	64	0.19	0.048
REP L950N 150E	QC	0.9	11.6	51.0	165	<0.1	13.3	8.0	388	3.30	7.4	1.3	4.6	6.5	13	0.6	0.8	0.5	66	0.19	0.047
L950N 450E	Soil	1.2	10.2	80.6	241	0.5	13.3	12.0	440	3.75	17.8	2.2	3.6	4.0	43	0.5	1.4	0.3	58	0.52	0.060
REP L950N 450E	QC	1.3	10.4	79.6	244	0.5	13.6	11.7	431	3.74	17.5	2.3	3.3	4.2	42	0.5	1.2	0.3	58	0.52	0.061
L1000N 300E	Soil	0.6	12.2	33.8	209	0.4	12.4	8.2	553	2.45	29.6	3.3	1.4	2.7	33	2.3	0.7	0.6	58	0.45	0.054
REP L1000N 300E	QC	0.7	12.3	33.4	222	0.4	14.2	8.7	590	2.62	30.1	3.4	2.6	3.2	35	2.3	0.9	0.6	63	0.48	0.057
L1000N 800E	Soil	1.2	23.0	75.2	286	0.5	17.1	10.5	851	3.11	18.0	3.8	4.1	3.6	41	0.9	0.9	0.5	72	0.66	0.054
REP L1000N 800E	QC	1.2	20.5	70.0	268	0.5	16.6	10.3	793	2.99	18.0	3.7	2.3	3.5	41	0.8	1.0	0.5	68	0.62	0.052
L1050N S1750E	Soil	1.4	32.0	299.6	203	10.7	17.2	15.7	2160	3.45	40.5	12.5	59.6	4.5	38	0.7	5.3	24.6	66	0.60	0.116
REP L1050N S1750E	QC	1.4	30.2	280.4	188	9.8	16.2	15.0	1996	3.23	37.2	3.4	42.8	3.8	36	0.7	4.9	23.0	63	0.56	0.109
L1050N S2350E	Soil	0.7	27.7	61.0	160	1.3	14.9	9.7	812	2.70	23.4	2.3	12.4	4.3	23	0.7	1.0	3.7	61	0.25	0.050
REP L1050N S2350E	QC	0.7	29.4	60.9	167	1.3	15.2	10.1	844	2.75	24.0	2.1	11.0	3.9	23	0.8	1.0	3.6	67	0.25	0.051
L1100N S2850E	Soil	1.2	13.8	43.0	187	0.3	14.1	11.5	759	3.11	8.0	1.8	1.7	5.3	19	0.8	1.1	0.6	75	0.30	0.065
REP L1100N S2850E	QC	1.3	14.2	46.4	203	0.3	15.4	12.3	816	3.35	9.0	2.1	3.6	5.6	20	0.9	1.1	0.7	79	0.31	0.067
L1150N 2600E	Soil	0.8	34.9	59.7	190	0.9	13.1	10.1	1091	2.68	13.6	4.6	14.4	3.7	34	1.4	0.8	2.2	57	0.53	0.073
REP L1150N 2600E	QC	0.8	38.8	64.6	209	1.0	15.3	11.3	1191	2.90	15.0	5.2	10.3	4.1	38	1.6	0.9	2.4	63	0.58	0.080

QUALITY CONTROL REPORT

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Method Analyte Unit MDL		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
Pulp Duplicates																
L750N 2700E	Soil	21	28	0.56	252	0.065	<20	1.95	0.014	0.09	0.2	0.06	5.1	0.2	<0.05	6
REP L750N 2700E	QC	21	31	0.57	251	0.067	<20	2.06	0.017	0.09	0.2	0.06	5.2	0.2	<0.05	6
L800N S2900E	Soil	11	24	0.47	129	0.084	<20	1.67	0.013	0.08	0.1	0.05	3.1	0.2	<0.05	7
REP L800N S2900E	QC	11	24	0.50	124	0.082	<20	1.74	0.013	0.08	0.1	0.05	3.1	0.2	<0.05	7
L850N 1400E	Soil	17	34	0.61	273	0.070	<20	2.08	0.016	0.07	0.1	0.07	4.4	0.2	<0.05	6
REP L850N 1400E	QC	16	35	0.61	271	0.067	<20	2.08	0.016	0.07	0.3	0.08	4.2	0.3	<0.05	7
L850N 2650E	Soil	18	30	0.59	211	0.073	<20	2.07	0.019	0.10	0.2	0.07	4.5	0.2	<0.05	7
REP L850N 2650E	QC	18	31	0.61	218	0.078	<20	2.13	0.018	0.10	0.2	0.06	4.6	0.3	<0.05	7
L850N 2800E	Soil	8	21	0.45	79	0.086	<20	1.53	0.012	0.06	0.1	0.07	2.6	0.2	<0.05	7
REP L850N 2800E	QC	8	22	0.43	77	0.084	<20	1.52	0.011	0.06	0.3	0.07	2.6	0.2	<0.05	7
L900N 1100E	Soil	26	37	0.69	370	0.073	<20	2.45	0.017	0.13	0.2	0.07	6.3	0.3	0.05	7
REP L900N 1100E	QC	27	41	0.69	395	0.074	<20	2.60	0.023	0.14	0.2	0.07	6.3	0.3	<0.05	7
L950N 150E	Soil	10	25	0.53	69	0.072	<20	2.11	0.014	0.08	0.2	0.03	2.8	0.2	<0.05	6
REP L950N 150E	QC	11	26	0.54	75	0.075	<20	2.16	0.017	0.08	0.2	0.03	3.1	0.2	<0.05	7
L950N 450E	Soil	17	25	0.56	241	0.045	<20	1.67	0.014	0.09	<0.1	0.03	4.3	0.3	<0.05	5
REP L950N 450E	QC	18	25	0.56	231	0.045	<20	1.73	0.015	0.09	0.4	0.03	4.4	0.3	<0.05	5
L1000N 300E	Soil	17	24	0.53	260	0.057	<20	1.83	0.009	0.08	0.2	0.03	3.5	0.2	<0.05	5
REP L1000N 300E	QC	19	25	0.56	273	0.061	<20	1.87	0.010	0.08	0.2	0.03	3.7	0.2	<0.05	5
L1000N 800E	Soil	18	33	0.62	301	0.059	<20	2.12	0.016	0.08	0.2	0.04	4.7	0.2	<0.05	7
REP L1000N 800E	QC	17	31	0.60	295	0.057	<20	2.05	0.014	0.07	0.1	0.04	4.7	0.3	<0.05	6
L1050N S1750E	Soil	18	30	0.57	325	0.051	<20	1.94	0.018	0.07	0.2	0.07	5.4	0.2	0.07	6
REP L1050N S1750E	QC	17	28	0.55	315	0.047	<20	1.69	0.016	0.07	0.2	0.07	4.9	0.2	0.06	6
L1050N S2350E	Soil	16	28	0.54	274	0.058	<20	1.79	0.016	0.06	0.1	0.05	4.3	0.2	<0.05	6
REP L1050N S2350E	QC	16	31	0.53	267	0.059	<20	1.76	0.013	0.06	0.1	0.04	4.2	0.2	<0.05	6
L1100N S2850E	Soil	12	27	0.67	170	0.102	<20	1.77	0.011	0.11	0.2	0.01	3.5	0.2	<0.05	6
REP L1100N S2850E	QC	12	27	0.73	186	0.109	<20	1.92	0.011	0.12	0.4	0.02	3.8	0.2	<0.05	7
L1150N 2600E	Soil	28	24	0.54	291	0.054	<20	1.55	0.010	0.12	0.1	0.06	4.7	0.2	<0.05	5
REP L1150N 2600E	QC	32	26	0.59	326	0.058	<20	1.70	0.011	0.13	0.1	0.07	4.9	0.2	<0.05	6

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		1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX U ppm 0.1	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001
L1250N 650E	Soil	1.7	12.1	42.0	166	0.3	13.2	8.1	460	2.94	16.1	3.9	1.1	2.9	41	0.3	1.3	0.4	57	0.49	0.052
REP L1250N 650E	QC	1.7	13.5	41.9	169	0.3	13.2	8.5	483	3.16	17.1	4.1	1.4	2.8	42	0.3	1.4	0.5	60	0.52	0.055
L1300N 650E	Soil	1.3	18.7	46.9	229	0.6	16.0	11.0	896	2.90	22.0	2.3	204.6	1.5	44	2.8	1.3	0.4	58	0.52	0.085
REP L1300N 650E	QC	1.4	18.4	45.3	239	0.5	16.4	10.2	898	2.82	22.1	2.1	<0.5	1.5	45	2.9	1.3	0.4	58	0.52	0.090
L1350N 700E	Soil	0.9	17.3	36.6	194	0.4	16.9	6.9	342	2.29	11.7	2.1	1.8	2.0	36	1.4	1.1	0.6	53	0.41	0.056
REP L1350N 700E	QC	1.0	17.3	37.0	196	0.4	16.8	7.1	324	2.25	12.1	2.1	1.4	2.0	35	1.3	1.1	0.6	50	0.42	0.055
L1400N 850E	Soil	2.0	29.2	103.6	753	1.1	23.3	12.5	2858	3.34	61.1	4.5	3.6	3.9	36	11.9	1.8	3.0	67	0.49	0.088
REP L1400N 850E	QC	2.2	31.5	108.4	766	1.2	24.4	13.0	3124	3.56	64.2	4.7	5.3	4.2	37	11.7	1.9	3.1	73	0.50	0.096
L1400N 1000E	Soil	1.6	29.6	82.4	197	0.8	14.0	12.5	861	3.84	32.0	1.7	4.2	4.8	18	1.3	1.2	3.7	77	0.24	0.057
REP L1400N 1000E	QC	1.7	28.8	80.3	189	0.8	14.6	12.3	843	3.81	30.5	1.6	5.6	4.6	18	1.4	1.2	4.0	74	0.25	0.058
L1450N S1600E	Soil	1.3	59.7	137.2	263	2.2	19.5	10.9	718	3.65	35.6	4.6	39.3	7.1	28	0.7	1.4	6.2	79	0.43	0.074
REP L1450N S1600E	QC	1.5	60.8	139.6	270	2.2	20.9	11.5	760	3.70	37.0	4.7	49.8	7.4	28	0.7	1.4	6.4	83	0.43	0.073
L1500N 2700E	Soil	0.5	25.9	52.0	140	0.4	16.3	8.4	384	2.70	12.0	2.0	9.0	5.9	18	0.5	0.9	1.5	61	0.30	0.058
REP L1500N 2700E	QC	0.6	26.4	50.6	141	0.4	16.0	8.3	380	2.61	11.8	1.8	14.3	5.4	18	0.4	0.9	1.4	59	0.31	0.058
Reference Materials																					
STD DS7	Standard	20.7	108.9	66.6	404	0.8	54.8	9.3	602	2.29	45.9	4.6	66.9	4.3	73	6.2	5.7	4.3	78	0.91	0.079
STD DS7	Standard	21.7	118.5	65.9	422	1.0	61.2	10.1	643	2.46	50.9	4.6	57.2	4.6	77	6.0	5.4	4.1	91	1.01	0.076
STD DS7	Standard	26.0	110.9	66.4	411	0.9	60.1	10.0	632	2.45	49.6	4.9	73.7	4.4	72	6.1	5.6	4.2	92	0.99	0.077
STD DS7	Standard	22.9	113.7	64.2	416	0.8	59.7	9.9	635	2.43	49.0	4.7	48.9	4.6	75	6.4	5.9	4.3	88	0.96	0.076
STD DS7	Standard	22.9	119.2	65.9	428	0.9	60.6	10.7	669	2.57	53.0	5.0	90.3	4.1	76	6.7	5.3	4.4	90	1.02	0.076
STD DS7	Standard	21.0	112.1	74.7	423	2.3	58.2	9.6	644	2.44	50.3	4.9	60.1	4.4	70	6.6	5.1	4.7	88	0.94	0.088
STD DS7	Standard	20.9	112.6	76.0	427	0.8	59.5	10.0	646	2.48	49.7	5.1	80.2	4.5	74	6.8	5.3	4.5	93	0.96	0.079
STD DS7	Standard	24.9	122.4	80.3	423	0.8	56.0	9.5	601	2.36	55.7	5.1	49.5	4.7	69	6.8	6.5	5.0	87	0.92	0.084
STD DS7	Standard	22.4	116.6	70.9	443	0.9	61.9	10.4	665	2.47	52.7	5.3	70.5	4.9	77	7.3	5.7	4.7	93	1.01	0.082
STD DS7	Standard	21.0	121.0	76.9	417	0.8	56.2	9.6	604	2.40	56.1	5.4	83.9	4.7	70	7.1	6.3	4.9	91	0.91	0.086
STD DS7	Standard	21.6	96.3	58.5	378	0.8	55.8	9.4	632	2.44	52.2	4.2	58.3	3.7	66	6.0	4.8	4.2	84	0.94	0.077
STD DS7 Expected		20.92	109	70.6	411	0.89	56	9.7	627	2.39	48.2	4.9	70	4.4	68.7	6.38	5.86	4.51	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

QUALITY CONTROL REPORT

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		1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Ti ppm 0.1	1DX S % 0.05	1DX Ga ppm 1	1DX Se ppm 0.5
L1250N 650E	Soil	14	23	0.59	269	0.035	<20	1.81	0.012	0.06	<0.1	0.04	3.6	0.3	<0.05	5	<0.5
REP L1250N 650E	QC	14	25	0.58	281	0.035	<20	1.86	0.011	0.06	0.3	0.03	3.9	0.3	<0.05	5	0.6
L1300N 650E	Soil	16	28	0.55	398	0.031	<20	1.91	0.011	0.07	0.1	0.04	3.2	0.2	0.05	6	0.7
REP L1300N 650E	QC	15	26	0.56	387	0.029	<20	1.85	0.011	0.06	0.3	0.04	3.1	0.2	0.05	5	0.9
L1350N 700E	Soil	10	30	0.60	295	0.045	<20	1.79	0.013	0.07	<0.1	0.03	3.7	0.2	<0.05	5	<0.5
REP L1350N 700E	QC	11	28	0.59	293	0.045	<20	1.80	0.014	0.07	0.1	0.03	3.6	0.2	0.06	5	<0.5
L1400N 850E	Soil	15	38	0.62	349	0.058	<20	2.12	0.020	0.07	0.2	0.04	5.7	0.3	<0.05	6	0.7
REP L1400N 850E	QC	16	40	0.70	357	0.059	<20	2.21	0.022	0.08	0.2	0.04	6.1	0.3	0.07	6	0.7
L1400N 1000E	Soil	10	30	0.53	110	0.057	<20	2.16	0.012	0.06	0.2	0.04	3.3	0.2	<0.05	8	<0.5
REP L1400N 1000E	QC	10	31	0.54	108	0.062	<20	2.16	0.013	0.06	0.1	0.05	3.5	0.2	<0.05	8	<0.5
L1450N S1600E	Soil	20	37	0.67	183	0.070	<20	2.21	0.018	0.09	0.2	0.05	6.2	0.3	<0.05	7	<0.5
REP L1450N S1600E	QC	21	38	0.67	192	0.070	<20	2.26	0.017	0.09	0.2	0.05	6.3	0.3	<0.05	7	<0.5
L1500N 2700E	Soil	13	28	0.61	164	0.059	<20	1.78	0.016	0.06	0.2	0.03	3.6	0.2	<0.05	6	<0.5
REP L1500N 2700E	QC	12	28	0.60	164	0.058	<20	1.76	0.016	0.06	0.1	0.04	3.5	0.2	<0.05	6	<0.5
Reference Materials																	
STD DS7	Standard	13	161	1.02	359	0.106	36	1.01	0.091	0.45	3.8	0.19	2.4	4.1	0.21	5	3.7
STD DS7	Standard	13	184	1.06	367	0.113	37	1.04	0.092	0.48	4.1	0.20	2.7	4.3	0.20	5	3.8
STD DS7	Standard	13	174	1.04	393	0.115	41	1.04	0.096	0.47	4.0	0.21	2.8	4.2	0.23	4	4.3
STD DS7	Standard	13	177	1.05	398	0.109	45	1.02	0.095	0.45	4.2	0.20	2.6	4.2	0.17	5	3.9
STD DS7	Standard	13	185	1.07	424	0.113	33	1.08	0.096	0.48	4.2	0.19	2.7	4.6	0.18	6	3.3
STD DS7	Standard	12	170	1.07	385	0.108	41	1.00	0.087	0.46	4.2	0.22	2.4	4.3	0.23	5	3.8
STD DS7	Standard	13	179	1.06	377	0.115	37	1.01	0.087	0.44	4.0	0.20	2.4	4.5	0.24	5	4.0
STD DS7	Standard	12	152	1.05	370	0.105	40	0.95	0.093	0.46	4.1	0.19	2.5	4.5	0.18	5	3.8
STD DS7	Standard	13	180	1.11	428	0.115	43	1.11	0.102	0.46	4.2	0.23	2.7	4.8	0.20	5	4.7
STD DS7	Standard	12	174	0.96	385	0.105	42	0.99	0.097	0.48	3.5	0.21	2.5	4.0	0.24	5	3.7
STD DS7	Standard	12	185	1.06	393	0.103	40	1.01	0.103	0.48	3.6	0.20	2.2	4.3	0.21	5	3.8
STD DS7 Expected		12.7	163	1.05	370.3	0.124	38.6	0.959	0.073	0.44	3.8	0.2	2.5	4.19	0.21	4.6	3.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<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	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5

QUALITY CONTROL REPORT

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		1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX U ppm 0.1	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
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

QUALITY CONTROL REPORT

VAN07000885.1

		1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Ti ppm 0.1	1DX S % 0.05	1DX Ga ppm 1	1DX Se ppm 0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<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	<20	<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	<20	<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	<20	<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	<20	<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	<20	<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	<20	<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	<20	<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	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5

APPENDIX IV

**MEMORANDUM REPORT
ON
CASINO PROPERTY
GEOPHYSICS AND SOIL SAMPLING PROGRAM**

By

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MEMORANDUM

To: Jim Marlow
Western Copper Corp.

Date: 15 April 2008

From: Dave Hildes
Dave.Hildes@aurorageosciences.com

Re: Casino Property geophysics and soil sampling

This memorandum describes the geophysical and soil sampling programs completed on the Casino Property, Whitehorse Mining District, Yukon Territory. Horizontal Loop Electromagnetic (HLEM) and Very Low Frequency Electromagnetic (VLF) surveys were tested on three cut lines and then VLF and total magnetic field (TMF) were continued over the remainder of the grid on uncut lines at a combination of 50 m and 100 m spaced lines. Soil sampling was conducted on the entire grid at 50 m spaced lines. Figure 1 shows a property location map and Figure 2 shows a grid map of the surveys undertaken in 2007.

The surveys identified crossing sets of conductors with associated anomalous soil geochemistry in the vicinity of several known high grade Pb-Zn-Ag showings. Based on this positive correlation, several target areas were identified that warrant further investigation.

a. Personnel & equipment

The line-cutting and soil sampling were conducted by the following personnel:

<u>Crew Chief:</u>	Matt Olsen.....(July 25 th - Aug 14 th)
<u>Helpers:</u>	Eric Hatterscheidt.....(July 25 th - Aug 3 rd)
	Kate Primeau.....(July 25 th - Aug 14 th)
	Sean Clayton.....(July 25 th - Aug 14 th)
	Dan MacKenzie(Aug 3 rd - Aug 14 th)

The HLEM / VLF- test was conducted by the following personnel:

<u>Crew Chief:</u>	Steven Kramar.....(Aug 3 rd - Aug 8 th)
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Helpers: Matt Higgs.....(Aug 3rd - Aug 8th)

The TMF and VLF surveys were conducted by the following personnel

Crew Chief: Ian Kickbush.....(Aug 14th - Aug 29th)

Helpers: Shawn Scott.....(Aug 14th - Aug 29th)
Julie Brown.....(Aug 14th - Aug 21st)
Dan MacKenzie.....(Aug 14th - Aug 21st)

The line cutting and soil sampling crew were equipped with:

Line cutting: 3 - chainsaws
- axes, machetes, Sandviks
- compasses, chains, hip chains

Line survey: 4 - GPS receivers

Soil Sampling: Mattocks, soil sample bags, Tyvek tags, rice bags, flagging

Other: 4 - Handheld radios

The HLEM / VLF test crew were equipped with:

HLEM system: 1 - Apex Parametrics MaxMin I-9 w/MMC.
s/n 6317
1 - 100 m reference cable

VLF: 2 - Geonics EM-16. s/n 8306017 & 75

Other: 1 - Laptop computer
1 - Electronics repair tools
2 - Handheld radios
2 - Garmin handheld GPS units

Software: Apex MaxMin software
Geosoft Oasis 6.4
Microsoft Excel
GPSU 4.0

The TMF / VLF crew were equipped with:

<u>TMF system:</u>	3 -	GEM 19T proton precession magnetometers, s/n 712784, 45335 & 20-111-32
<u>VLF:</u>	2 -	Geonics EM-16. s/n 8306017 & 75
<u>Other:</u>	1 -	Laptop computer
	1 -	Electronics repair tools
	3 -	Handheld radios
	3 -	Garmin handheld GPS units
<u>Software:</u>		Gemlink Geosoft Oasis 6.4 Microsoft Excel GPSU 4.0

The following equipment was common to all surveys

<u>Camp:</u>	1 -	6-man summer camp with a 2 KW generator, camp tools, Globalstar satellite phone and kitchen / office
<u>Vehicle:</u>	1 -	ATV (from August 03, 2007)

b. Survey specifications

The line cutting was performed to the following specifications:

<u>Width / condition:</u>	1.5 m width (nominal) and cleared to ground level of all brush
<u>Station spacing:</u>	25 m
<u>Station marking:</u>	Marked with tagged half length pickets. Line / station coordinates written on both the tags and pickets
<u>Chainage:</u>	All stations tight chained, not slope corrected.

The HLEM survey was performed to the following specifications:

<u>Station spacing:</u>	25 m
<u>Line spacing:</u>	variable (only 3 lines were HLEM surveyed)
<u>Coil spacing:</u>	100 m
<u>Frequencies:</u>	220 Hz 880 Hz 3520 Hz 7040 Hz 14080 Hz
<u>Coil geometry correction:</u>	Slope chaining method. The receiver operator records terrain slopes in percent and corrects the readings for terrain induced errors by holding the coils at the indicated slope for coplanar coils. Short coil spacing errors are corrected during data processing.

The TMF survey was performed to the following specifications:

<u>Station spacing:</u>	12.5 metres
<u>Line spacing:</u>	100 m with 50 m infill.
<u>Base station:</u>	Installed at NAD 83, UTME, UTMN Zn 7 coordinates: 0611916, 6956571 Cycled at a 5 second interval. The base station magnetometer and field magnetometers times were synchronized daily prior to surveying.
<u>Corrections:</u>	Temporal geomagnetic variation was removed by linear interpolation of drift from the base station magnetometer. Readings were rejected in the base mag if there was a magnetic variation of 5nT under 5 seconds.

<u>Levelling:</u>	Levelling points taken daily. Control line 1 parallel 0-3000 E, control line 2 parallel 3000-0E, control line 3 perpendicular S and control line 4 perpendicular N. Control lines 1 and 2 have 10 common points spaced 5m apart. Control lines 3 and 4 also have 10 common points.
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The VLF survey was conducted according to the following specifications

<u>Station spacing:</u>	12.5 metres
<u>Direction of readings:</u>	The transmitter is at 140 degrees. The facing direction (90 degrees perpendicular to the transmitter) is at 50 degrees azimuth.
<u>Line spacing:</u>	100 m with 50 m infill.
<u>VLF station:</u>	NLK (24.8 Khz)

The soil sampling was conducted to the following specifications:

<u>Station spacing:</u>	50 m
<u>Line spacing:</u>	50 m
<u>Station location:</u>	Marked with orange and blue flagging, located with Garmin handheld GPS units
<u>Sample preparation:</u>	Acme SS80 prep (dry at 60°C sieve 100 g to -80 mesh)
<u>Sample analysis:</u>	Acme 1DX (1:1:1 Aqua Regia digestion ICP-MS analysis).

c. Project operations

A 4-man linecutting/soil sampling crew mobilized from Whitehorse to the Casino Property on July 25th, 2007 with a 6 man summer camp. Six line-km were cut from July 26th to July 30th, 2007 to perform an HLEM - VLF test and determine which survey would be most appropriate for the property. The soil sampling program began on July 29th, while two crew members finished up the linecutting. As of July 31st, 2007 all four crew members were working on the soil sampling program.

On August 3rd, 2007, the HLEM / VLF test crew and an ATV mobilized into camp. The geophysics test was completed on the six line-km of cut lines and the crew demobilized on August 8th, 2007. VLF is the cheaper survey to run partly because no cut lines are required. Since the VLF adequately located the conductors, it was the EM survey chosen to complete the grid and no further line cutting was undertaken. After the soil sampling grid was complete (total of 1045 soil samples), the TMF/ VLF crew mobilized into the camp and the line cutters / soil samplers demobilized on August 14th, 2007. On August 21st, 2007 the geophysics crew manned down to a two-man crew who remained until August 29th, 2007 when the geophysics was completed. The attached survey logs provide a detailed summary of the survey including production.

d. Processing

The total magnetic field (TMF) data were corrected for temporal variations in the Earth's magnetic field using the software GEMLINK. The data were levelled between the operators using 4 control lines and with 10 common points, parallel and perpendicular to the grid lines and entered into a Geosoft database. The data were then despiked using a filter width of 1 fiducial with a 50 nT threshold and gridded with a minimum curvature algorithm using a 12.5 m cell size. The TMF data are plotted in Figure 3 using a linear colour scheme from 58750 to 59150 nT. There were no readings from the base mag that varied more than 5 nT over 5 seconds and therefore no readings were rejected. The grid is shaded with illumination from the east and a few north-south linears that were not apparent from the VLF data were drawn in from the shaded grid.

VLF data were transcribed from the handwritten field notes to electronic files and entered into a Geosoft database. A 4-fiducial low pass filter was applied to both the inphase and quadrature and then plotted as stacked profiles with a scale of 1 cm = 50% in Figure 4. A five-point Fraser filter was applied to the low-passed inphase data and this was gridded with a minimum curvature algorithm with a cell size of 12.5 metres. This was plotted with a linear colour scale from 0 to 35% in Figure 5.

HLEM data were corrected for short coil errors using the Apex software MMCFIX. Figures 6 and 7 show the low frequency and high frequency HLEM data overlain by contours of the Fraser filtered inphase of the VLF. The low frequency map shows the 220 and 880 kHz HLEM data while the high frequency map shows the 3520, 7040 & 14080 kHz data. The conductors are more easily seen on the higher frequencies and are labelled A through S.

Five samples (L300-1450; L750-2150; L800-1500, L800-1550, L1050-2800) that were returned with I.S. (insufficient sample) were removed from the soils database. The sample analysis certificates were modified so that left-censored readings were replaced by half of the lower detection limit. Upper detection limits (reported on 5 samples) were replaced by the upper detection limit. The repeats and blanks were examined for QA/QC and then the repeats averaged; these files are appended to the digital version of this report. The data were then assigned UTM coordinates. After examination of the data, a natural log transform was applied as the typical distribution was very non-Gaussian with a distinct left-hand skew. The transformed data were better fits to normal Gaussian distributions.

To determine a robust mean and standard deviation (SD), for each element the number of left-censored data (below detection limits) was trimmed from both the right and left side of that element's distribution. The robust mean and standard deviation were calculated from the resulting trimmed (and transformed) data set. Histograms of transformed and trimmed distributions of Pb, Zn, Ag, Cu, Mo & Au are shown in Figure 8. Three elements had excessive left-side censorship (B - 99.7% left-censored, S - 81.7% left-censored and Se - 71.8% left-censored) and these elements were removed from all further analysis. After B, S and Se, the element with the next highest number of low detection limit values was W with 15.6% of the data left-censored.

The full transformed sample set (included the replaced censored values) was centred by subtraction of the robust mean and normalized by dividing by the robust variance. A principal component analysis was performed; the first principal component (PC1) accounts for 32.2% of the variance in the dataset and the coefficients of PC1 are shown graphically in a bar plot (Figure 9). PC1 is defined primarily by the depletion of trace elements V and Ga (and to a lesser degree Ti, Cr & Co) and depletion of the major elements Al, Mg and Ni.

e. Discussion

The total magnetic field (Figure 3) is generally higher in the grid-north area and lower in the grid-south. This may be an effect of coming into the potassic core of the Casino porphyry deposit centred on Patton Hill immediately grid-north of the survey area, or it could reflect increased overburden to the grid-south. There is a very good correlation between magnetic linear lows and conductors as defined by the VLF, and as these lineaments are generally better defined by the VLF they are discussed below. The exception to this is the set of NS conductors, which are not well oriented for the 2007 VLF survey and are more easily seen in the shaded total magnetic field map or the HLEM survey.

The dominant set of conductor axes are drawn in from the VLF Fraser filter map (Figure 5) which was a very effective tool to trace the conductive features running across the grid at approximately 140° azimuth. Although only conducted on three lines, the HLEM does show that the two sets of conductors have distinct features, as can be seen on Figure 7. The VLF features running at azimuth 140° tend to be weak vertical conductors with a predominantly symmetric quadrature HLEM response and almost no HLEM inphase response. Conversely, the NS features are stronger conductors as indicated by the increased inphase response and they are not vertical. Both NS conductors imaged by the HLEM (conductor G-O and conductor I-R) appear to dip E on lines 400 and 500, but at the L1000 crossing further to the north, one of the conductors appears to dip to the W.

There is some indication in the HLEM data that the NS features are made up of several related conductors. Conductors F and H on Figure 6 are very weak conductors that are not identified by the VLF survey and are on the flanks of conductors G and I, which are relatively strong. Similarly, weak conductors P and Q are on the flanks of the stronger conductors O and R. Surveying with a smaller coil separation could better distinguish and resolve these closely spaced conductors.

The locations of the historic workings are not well defined. Some of the old data have been digitised by Western Copper Corp. but there are large discrepancies in the resulting digital data. Digitised EM conductor axes identified by the exploration programs in the late 1960's do not correspond to conductor axes identified in the 2007 survey. However, if the road in the government digital database is accurate, then the location of the Bomber adit is likely to be fairly good as it plots close to the end of the road. This is in the vicinity of a crossing between a 140° conductor and a NS conductor. The economic mineralization at Bomber occurred in several veins within a wider, altered shear zone reported as striking 130°. Thus the junction of the two sets of conductors appears to provide a favourable environment for the high grade vein deposits.

Conductors A and B are at the grid-west edge of the survey area and both the HLEM and VLF data suggest that the conductors extend past the edge of the grid (see Figures 5 & 7). It is a complicated area where there appears to be sub-parallel conductors crossing, which is consistent with nearby conductors that are shown to be crossing in the 1966 EM survey results. This is in the vicinity of the Helicopter showing, although the exact location of this showing is uncertain. There is the possibility that the Helicopter showing and trenches are either on the edge of the 2007 grid or off the grid.

Figure 10 shows the soil sample results for Pb, Zn & Ag, the main commodities extracted from the Bomber veins. These data are log transformed, but not trimmed. Only those values that are > 1 SD above the mean are plotted and the smallest symbol in the legend is 2 SD above the mean. VLF conductor axes and TMF low linears are also shown. The main feature of the map is the area in the vicinity of the Bomber adit where there is a 350 m (along strike) by 250 m (across strike) area of anomalous Pb, Zn and Ag. There are also elevated values of all three elements in the C grid, significantly at the intersection between two sets of linear features and in the Helicopter showing area. Several other anomalous values, predominantly Ag, occur north of the Bomber showing.

Figure 11 shows the soil sample results for Cu, Mo & Au, the primary commodities of the main Casino porphyry deposit. These data are log transformed, but not trimmed. Only those values that are > 1 SD above the mean are plotted and the smallest symbol in the legend is 2 SD above the mean. VLF conductor axes and TMF linear lows are also shown. Again the area around the Bomber adit has anomalous soil values, particularly in Cu. There are, in general, more elevated values of these elements in the grid-north portion of the survey area, perhaps reflecting proximity to the core of the Casino Cu-Mo-Au deposit. As can be seen from Figure 2, which shows all the sample locations, there is some bias against the grid-north portion of the survey area because the scarcity of soil caused an under-sampling of this area.

The first principal component PC1 is plotted in Figure 12 and exhibits a tighter focus than the elemental plots in Figures 10 and 11, particularly in the vicinity of the Bomber adit. Only those values that are > 1 SD above the mean are plotted and the smallest symbol in the legend is 2 SD above the mean. VLF conductor axes and TMF linear lows are also shown. The Vanadium depletion could partly be associated with the TMF low as Vanadium can be a substitute for Fe in magnetite. The depletion of Ga and Al are likely related as Ga often occurs with a very high correlation to Al. It should be noted that of the depleted elements that define PC1, most are only partially dissolved by an aqua regia digest, which is therefore not the best analysis technique for these elements (Al in particular). Nevertheless, the consistency of the depleted elements in the soil sample

repeats is acceptable. Despite the lack of a geochemical model to explain the depletions and the potential for laboratory error with the defining elements of PC1, the results are well correlated with the known areas of high grade Pb, Zn and Ag showings as seen from Figure 12. This empirical evidence should not be dismissed.

Because PC1 did not measure the elements of interest directly, the transformed, centred and normalized data of Pb, Zn and Ag were clustered with a k-means algorithm using four centres and this is shown in Figure 13. There is reasonable geometric fractionation in the clustered results suggesting that the number of centres chosen and clustering algorithm were appropriate. The red and black groups tend to dominate in the grid-north part of the survey area while the blue group dominates in the grid-south portion. The green triangles identify the Bomber adit and the presumed locations of the Helicopter showing and the C grid showing. In addition, there are several other locations identified by the clustering algorithm as potentially favourable sites.

e. Products

The following maps and files (digital version only) are appended to this report.

Folder <i>Raw</i>	Instrument dump files for HLEM, TMF, GPS, transcribed field VLF notes, certificates of analysis from Acme labs for soil samples.
Folder <i>Data</i>	Final HLEM, TMF, VLF and soils data in geosoft database (gdb) and ASCII (xyz) formats. All databases are registered to both NAD83 UTM Zone 7N and local grid coordinates. Results of the principal component analysis are also included in gdb and ASCII formats.

Folder *Figures*

The following figures are in pdf format

- Figure 1 - Casino Property location map
- Figure 2 - Casino 2007 survey grid map
- Figure 3 - Casino 2007 TMF
- Figure 4 - Casino 2007 VLF stacked profiles
- Figure 5 - Casino 2007 VLF Fraser filter
- Figure 6 - Casino 2007 HLEM low frequencies
- Figure 7 - Casino 2007 HLEM high frequencies
- Figure 8 - Casino 2007 soils - selected histograms
- Figure 9 - Casino 2007 soils - first principal component coefficients
- Figure 10 - Casino 2007 soils - Pb-Zn-Ag
- Figure 11 - Casino 2007 soils - Cu-Mo-Au
- Figure 12 - Casino 2007 soils - PC1
- Figure 13 - Casino 2007 soils - clustered Pb-Zn-Ag
- Figure 14 - Casino 2007 target map

Casino 2007 Geophysics and Soil Sampling Final Report.pdf

A PDF of this report

WRN-7544-YT Linecutter Log.pdf
WRN-7544-YT VLF-HLEM Log.pdf
WRN-7544-YT VKF-TMF Log.pdf

PDFs of survey logs

f. Statement of expenditures

EXPENSE INVOICES

Description	Qty	Unit	Subtotal	Amount	Invoice number
Fixed wing air charter				\$12,250.00	7581
				\$1,520.00	7613+7717
				\$-1,730.00	7698
			\$12,040.00		
Fuel				\$469.29	7510
				\$283.49	7613+7717
			\$752.78		
Food - non-taxable				\$751.56	7510
				\$295.77	7581
				\$343.57	7698
			\$1,390.90		
Food - taxable				\$133.77	7510
				\$48.28	7581

		<u>\$1,206.63</u>	7698
		\$1,388.68	
		\$1,002.28	7510
		\$60.44	7581
Field supplies		\$32.97	7613+7717
		<u>\$48.11</u>	7698
		\$1,143.80	
		\$39.75	7613+7717
Cargo		<u>\$120.89</u>	7698
		\$160.64	
		\$353.54	7510
		\$1,286.00	7581
Admin charges		\$205.43	7613+7717
		<u>\$84.88</u>	7698
		\$1,929.85	
Soil sample prep and analysis	1040samples	<u>\$15,308.80</u>	Acme invoices VANI001257, VANI001258 & VANI001259
		\$15,308.80	

SERVICE INVOICES

Description	Qty	Unit	Subtotal	Amount	Invoice number
Interim data processing & project management	4	hours		\$330.00	7511
	3	hours		<u>\$270.00</u>	7524
			\$600.00		
Line cutting	24	man-day		\$10,439.00	7511
	4	man-day		<u>\$1,064.00</u>	7524
			\$11,503.00		
Soil sampling	44	man-day		\$16,819.00	7511
	12	man-day		<u>\$4,587.00</u>	7524
			\$21,406.00		
HLEM / VLF test	12	man-day		<u>\$7,964.00</u>	7511
			\$7,964.00		
ATV rental	8	days		\$880.00	7511
	15	days		\$1,650.00	7524
	4	days		\$440.00	7591

		<u>\$2,970.00</u>	
	18days	\$2,160.00	7511
	15days	\$1,800.00	7524
Camp rental	4days	<u>\$480.00</u>	7591
		\$4,440.00	
	40man-day	\$20,188.00	7524
VLF / mag crew	8man-day	<u>\$3,936.00</u>	7591
		\$24,124.00	
	4hours	<u>\$260.00</u>	7591
		\$260.00	
	11hours	<u>\$825.00</u>	7591
Soil sample prep		\$825.00	
		\$3,050.00	7591
		<u>\$487.50</u>	7670
		\$3,537.50	
		<u>\$9,000.00</u>	????
		\$9,000.00	
		\$7,071.24	
		<u><u> </u></u>	
TOTAL		\$127,816.19	

g. Conclusions

- Several conductors were identified by VLF on the property trending at approximately 140° azimuth. Another set of conductors trending almost NS was identified by a combination of VLF, HLEM and TMF surveys. The intersection of the two sets of conductors appears to provide a favourable environment for high grade Pb-Zn-Ag deposits based on the assumed locations of the Bomber adit, the Helicopter showing and the showing on the “C grid”.
- Elevated Pb, Zn and Ag are observed at the assumed locations of the Bomber adit, the Helicopter showing and the showing on the “C grid”. The first principal

component, although not directly related to commodities of interest, also highlights the known showings.

- The Helicopter showing may be either on the edge or off the grid of the 2007 survey.

h. Recommendations.

- The locations of the historical work and showings should be verified by GPS on the ground as much as possible.
- Figure 14 shows a map of targets identified by the 2007 survey in order of priority.
 - Targets class A. Three locations identified by high first principal analysis components, clustered Pb-Zn-Ag, at the junction between the two sets of conductors (or unresolved complicated conductor structure in the case of the A target in the Helicopter area), and proximity to known occurrences. Some of the A targets may already be exposed and/or mined.
 - Targets class B. Locations identified by either high first principal component or clustered Pb-Zn-Ag at the junction (or a projected junction) of two sets of conductors / linears.
 - Targets class C. Untested intersections between conductors / linears (no soil sample taken), high values of first principal component, clustered Pb-Zn-Ag or individual elements Ag, Pb and Zn.

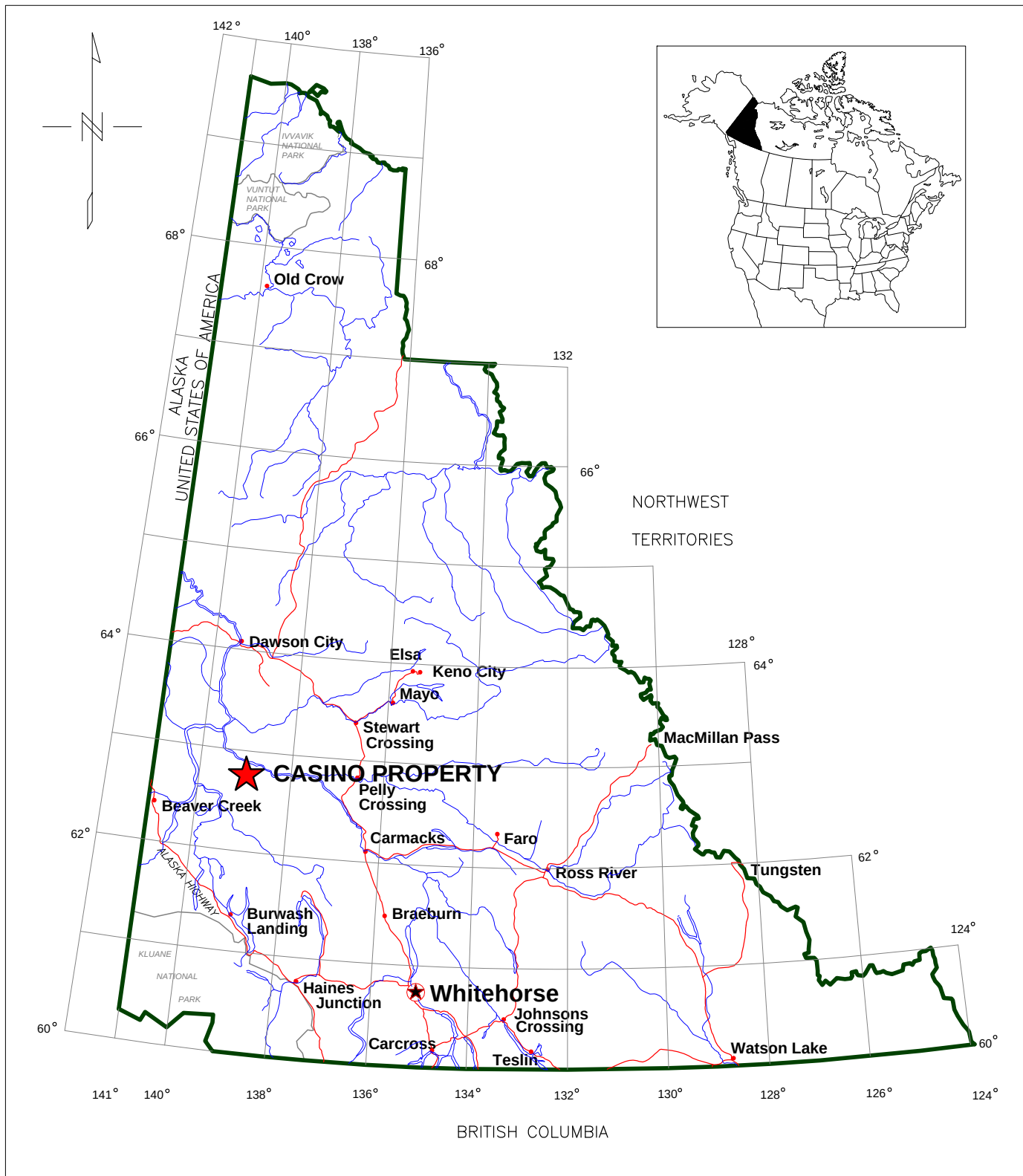
These targets should be prospected or trenched and finally, if further work continues to be positive, drilled.

- The surveys should be extended to close off targets at the edge of the grid. In addition, there may be potential for high grade Pb-Zn-Ag deposits all around the periphery of the potassic core of the Casino deposit. The 2007 survey covered only one quadrant of this potential.
- Detailed, highly focused HLEM on targets of merit could detail the conductive structures and provide guidance to drilling.

Respectfully submitted,

AURORA GEOSCIENCES LTD.

Dave Hildes, P. Geo, Ph. D.
Geophysicist



WESTERN COPPER CORPORATION

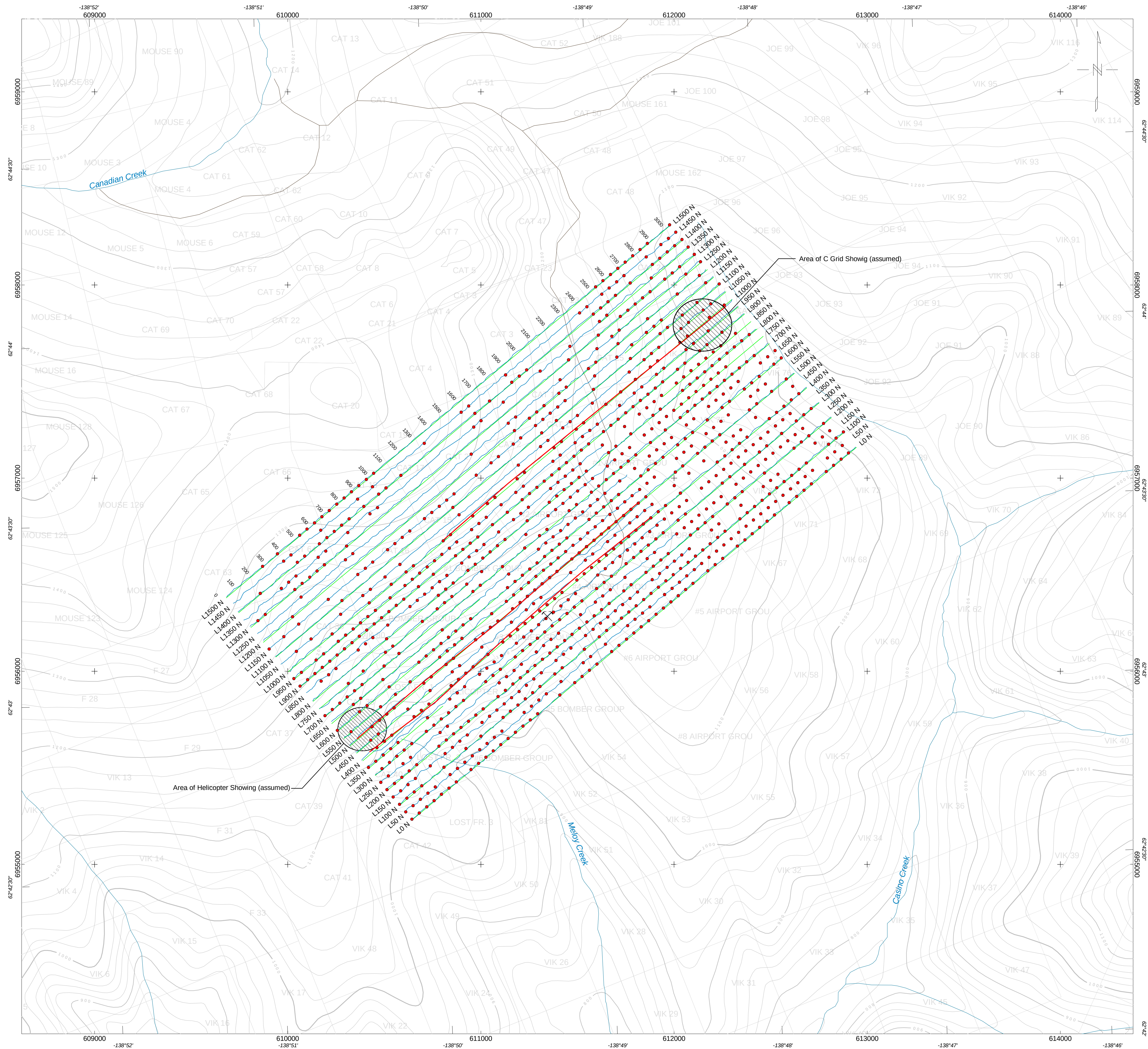
CASINO PROPERTY PROPERTY LOCATION MAP Figure 1

NTS: 115 J/10
Datum: NAD83
Job: WRN-7544-YT

Mining District: Whitehorse
Projection: UTM Zone 7N
Date: 11 Apr 08

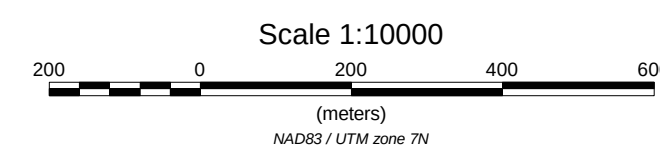
Aurora Geosciences Ltd.

100000 0 100000
(meters)



LEGEND

- Soil Sample Location
- Mag Survey Line
- HLEM Survey Line
- VLF Survey Line
- Road
- ✕ Bomber Adit

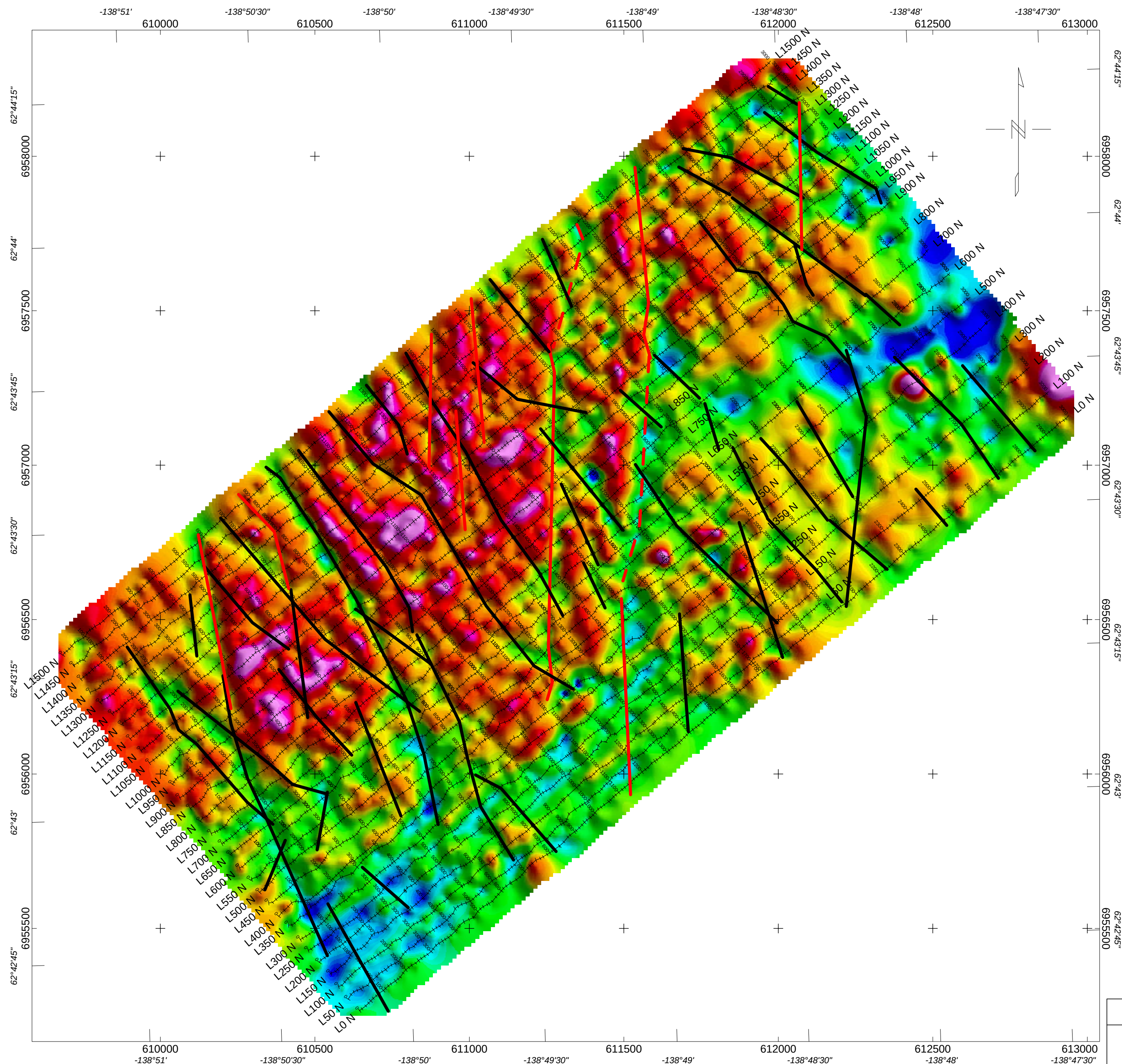


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**CASINO PROPERTY
SOIL SAMPLING, MAG, HLEM & VLF
GRID MAP
FIGURE 2**

Mining District: Whitehorse NTS: 115 J/10
Datum: NAD 83 Projection: UTM Zone 7
Job: WRN-7544-YT Date: 28 Feb 2008

AURORA GEOSCIENCES LTD.



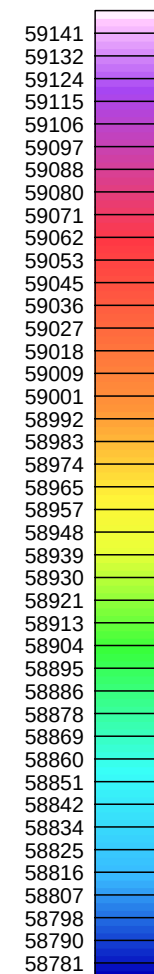
LEGEND

TOTAL MAGNETICS FIELD SURVEY

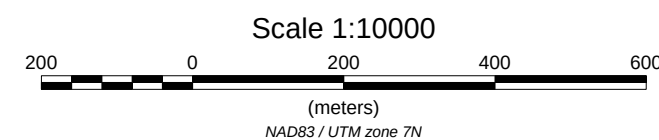
REFERENCE FIELD:	59,000 nT
INSTRUMENTS:	Gem GSM-19T Magnetometers
GRIDDING ALGORITHM:	Minimum Curvature
GRID CELL SIZE:	12.5 m
DATA FILE:	Casino2007mag.gdb
OPERATOR:	IK, SS, JB
STATION SPACING:	12.5m
LINE-KM SURVEYED:	84 line-km
DATES SURVEYED:	14 Aug 07 - 29 Aug 07
FILTER:	Despiking Width 1 Tolerance 50nT
SHADING ORIENTATION:	90 °

Mag low linear

VLF conductor



Total Magnetic Field (nT)



WESTERN COPPER CORPORATION

CASINO PROPERTY

TOTAL MAGNETIC FIELD SURVEY

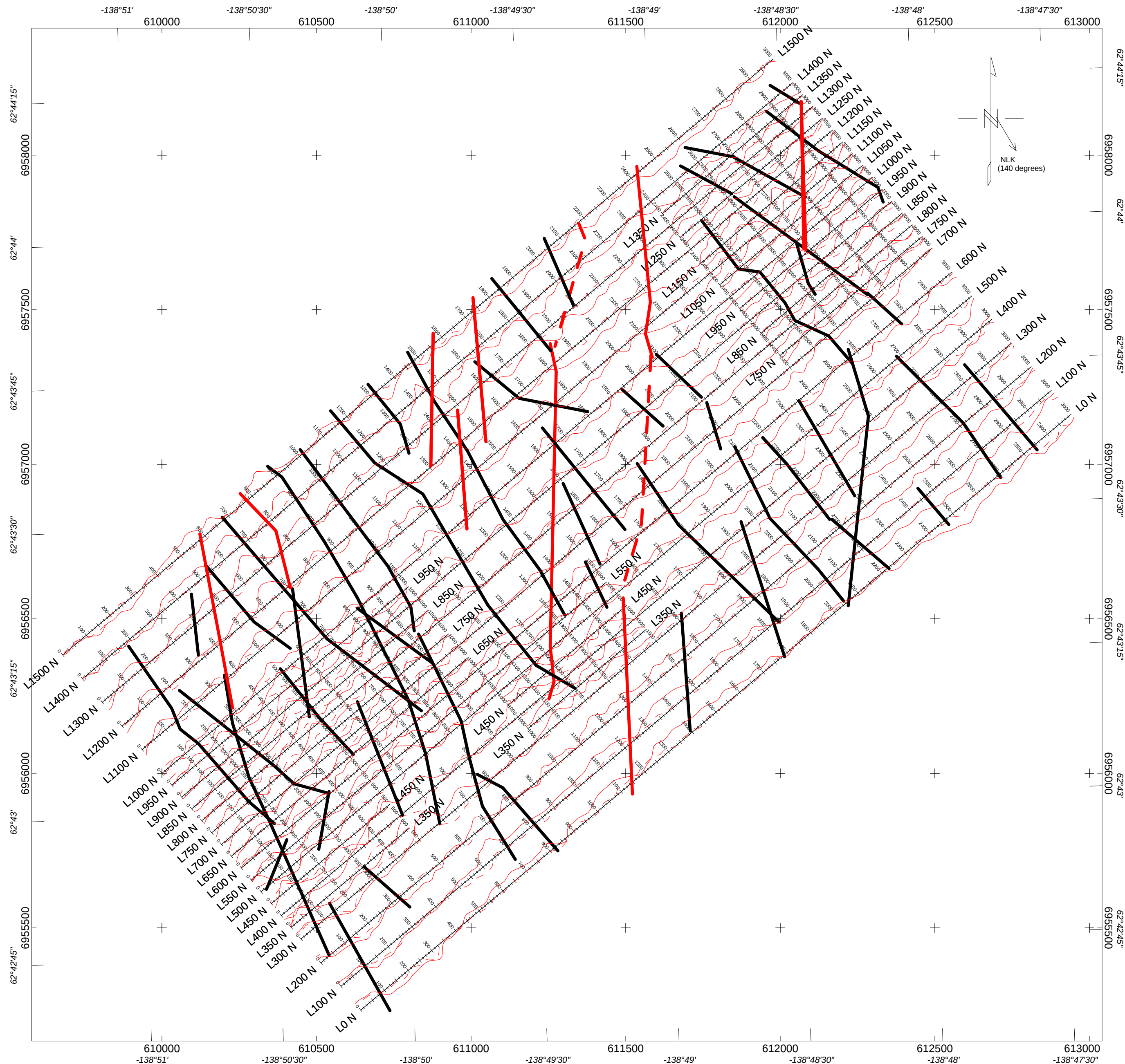
COLOUR CONTOURED TOTAL MAG FIELD

FIGURE 3

NTS: 115 J/10
Datum: NAD 83
Job WRN-7544-YT

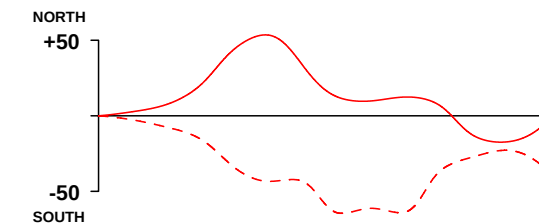
Mining District: Whitehorse
Projection: UTM Zone7
Date: 29 Feb 08

AURORA GEOSCIENCES LTD.



LEGEND

STACKED VLF - EM PROFILES



PROFILE SCALE : 1 cm = 50%

IN PHASE (NLK) :
QUADRATURE (NLK) :

VLF STATION : NLM Jim Creek Washington, 24.8 kHz
INSTRUMENT : GEONICS EM-16
IN-PHASE DATUM : 0%
QUADRATURE DATUM : 0%
DATA FILE : Casino2007VLF.XYZ
STATION SEPARATION : 12.5 m
OPERATORS : SK & MH
LINE-KM SURVEYED : 59.7 km
DATES SURVEYED : 3 Aug 2007 - 8 Aug 2007
FACING DIRECTION (NLK) : 050
FILTER : 4 Fiducial low-pass

TMF low linear
VLF conductor

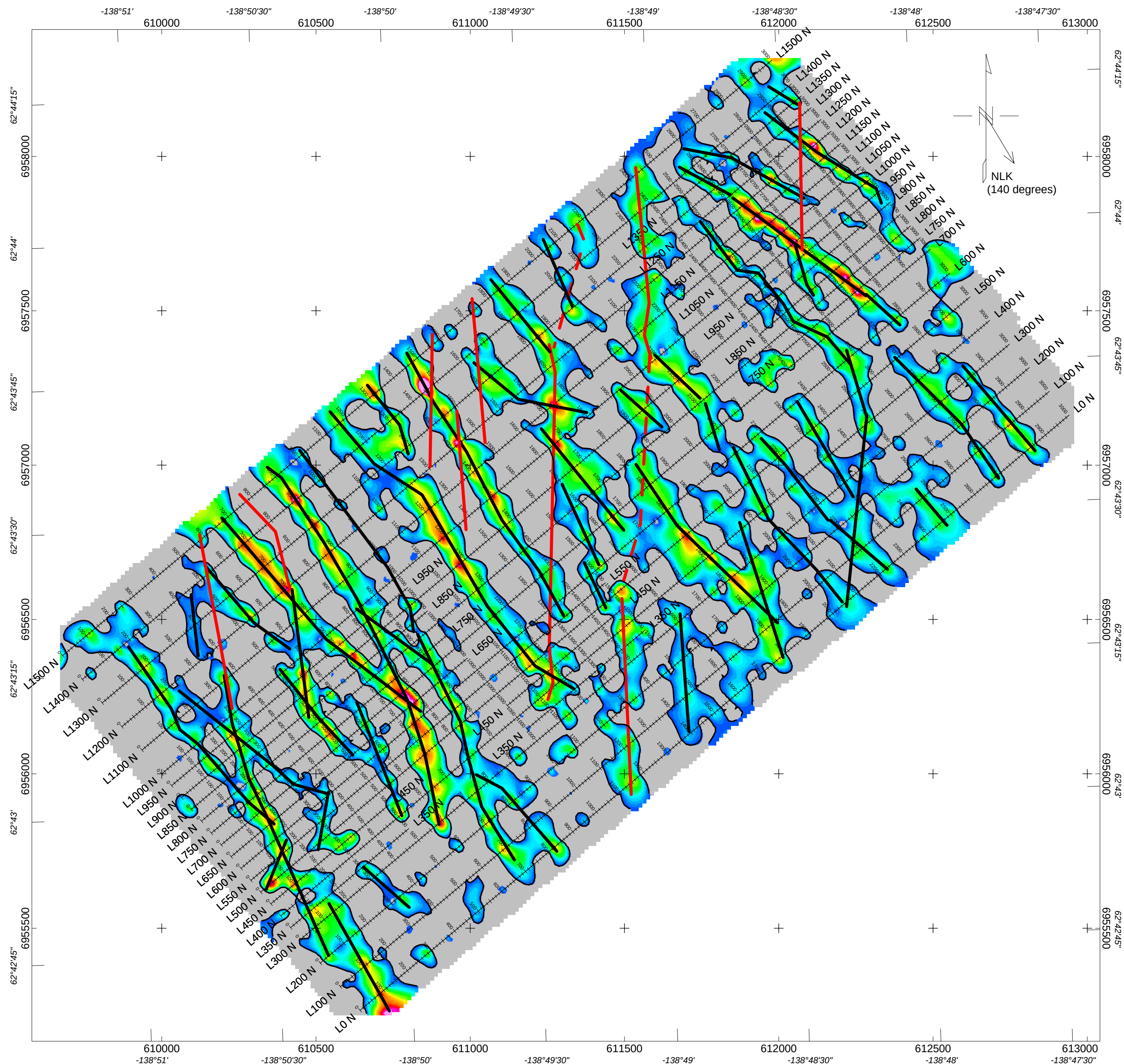
Scale 1:10000
200 0 200 400 600
(meters)
NAD83 / UTM zone 7N

WESTERN COPPER CORPORATION

CASINO PROPERTY
VLF - EM SURVEY
STACKED INPHASE AND QUADRATURE PROFILES
FIGURE 4

NTS: 115 J/10 Mining District: Whitehorse
Datum: NAD83 Projection: UTM Zone 7
Job: WRN-7544-YT Date: 29 Feb 08

AURORA GEOSCIENCES LTD.

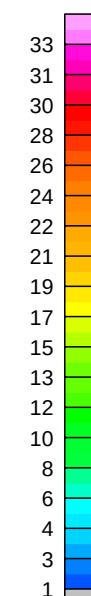


LEGEND

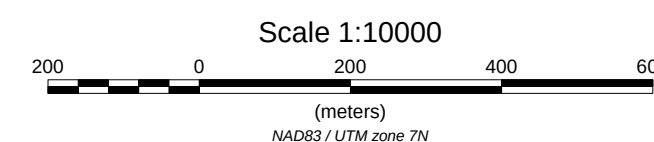
VLF - EM SURVEY

VLF STATION : NLM Jim Creek Washington, 24.8 kHz
INSTRUMENT : GEONICS EM-16
GRIDDING ALGORITHM : Minimum Curvature
GRID CELL SIZE : 12.5 m
DATA FILE : Casino2007VLF.XYZ
STATION SEPARATION : 12.5 m
LINE-KM SURVEYED : 59.7 km
DATES SURVEYED : 3 Aug 2007 - 8 Aug 2007
FACING DIRECTION (NLK) : 050
FILTER : 4 fiducial low pass
FRASER FILTER : 5 point (.5,1,0,-1,-.5)

— 0 — Contour interval
— TMF low linear
— VLF conductor



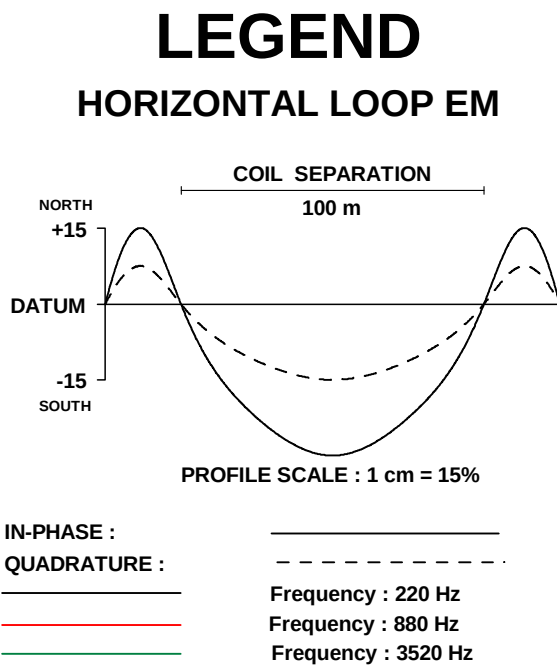
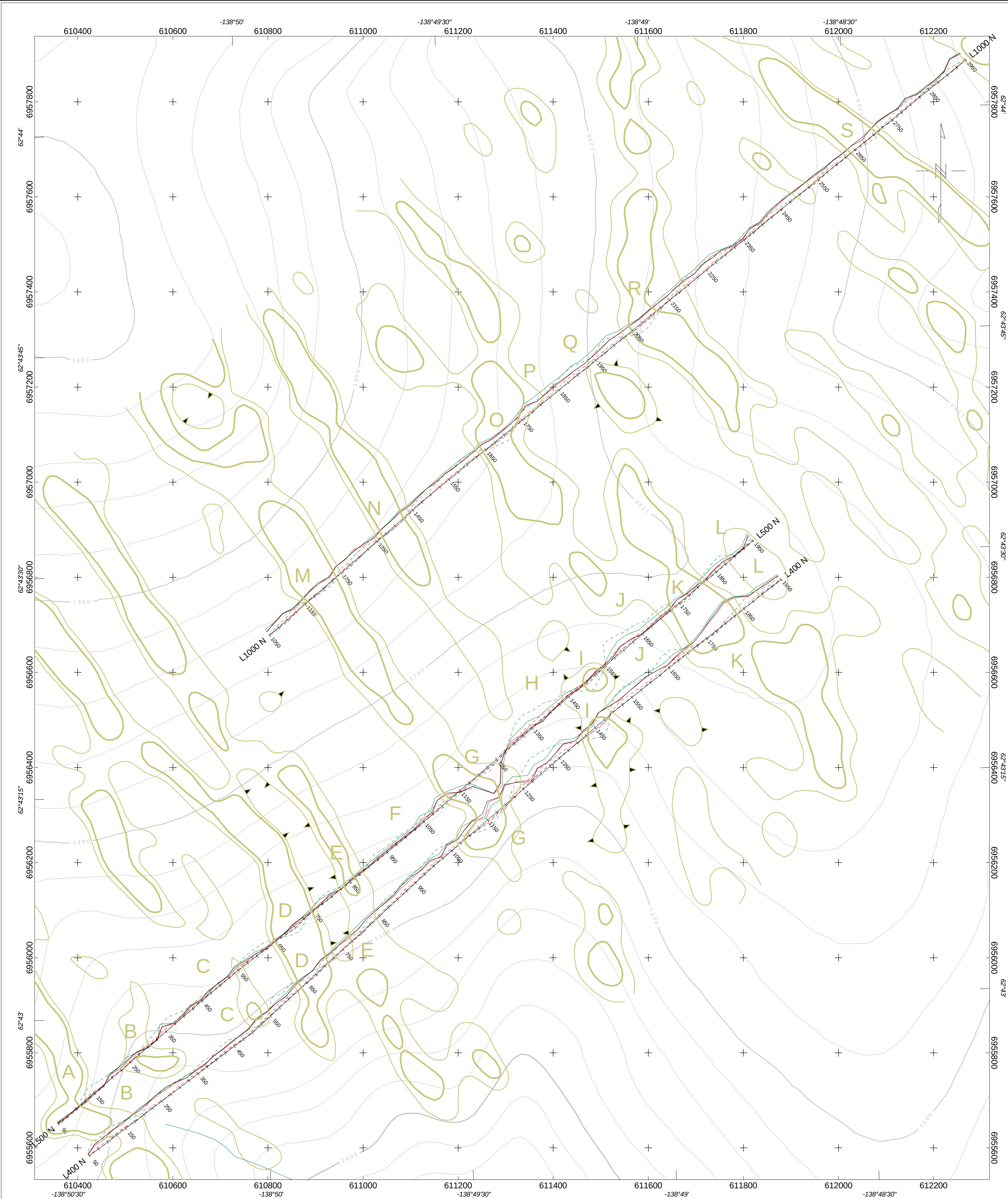
Fraser Filtered Inphase (%)



WESTERN COPPER CORPORATION
CASINO PROPERTY
FRASER FILTERED INPHASE
COLOUR CONTOURED MAP
FIGURE 5

NTS: 115J/10 Mining District: Whitehorse
Datum: NAD 83 Projection: UTM Zone 7
Job: WRN-7544-YT Date: 29 Feb 08

AURORA GEOSCIENCES LTD.

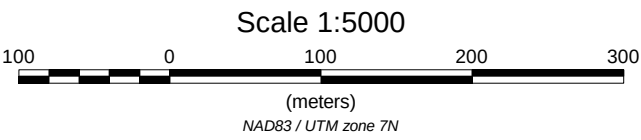


INSTRUMENT : APEX PARAMETRICS MAX-MIN I-10
IN-PHASE DATUM : 0%
QUADRATURE DATUM : 0%
GRID CELL SIZE : 12.5 m
DATA FILE : Casino2007HLEM.XYZ
STATION SEPARATION : 25 m
OPERATORS : SK & MH
LINE-KM SURVEYED : 59.7 km
DATES SURVEYED : 3 Aug 2007 - 8 Aug 2007
FACING DIRECTION (NLK) : 050
FILTER : 3x3 Hanning Filter (3 passes)

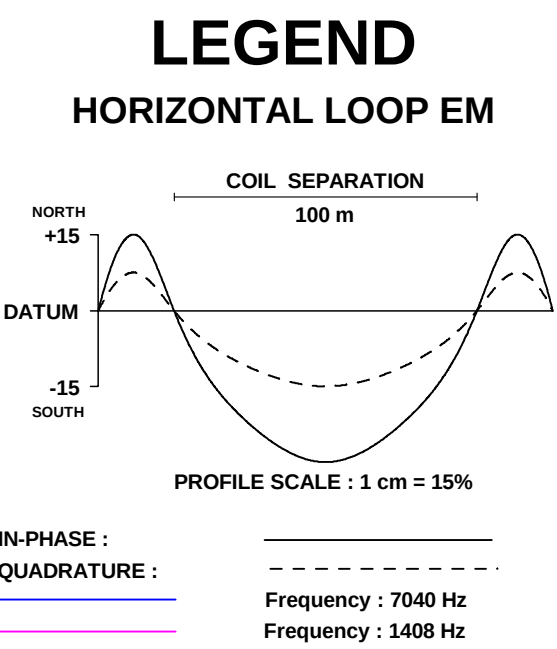
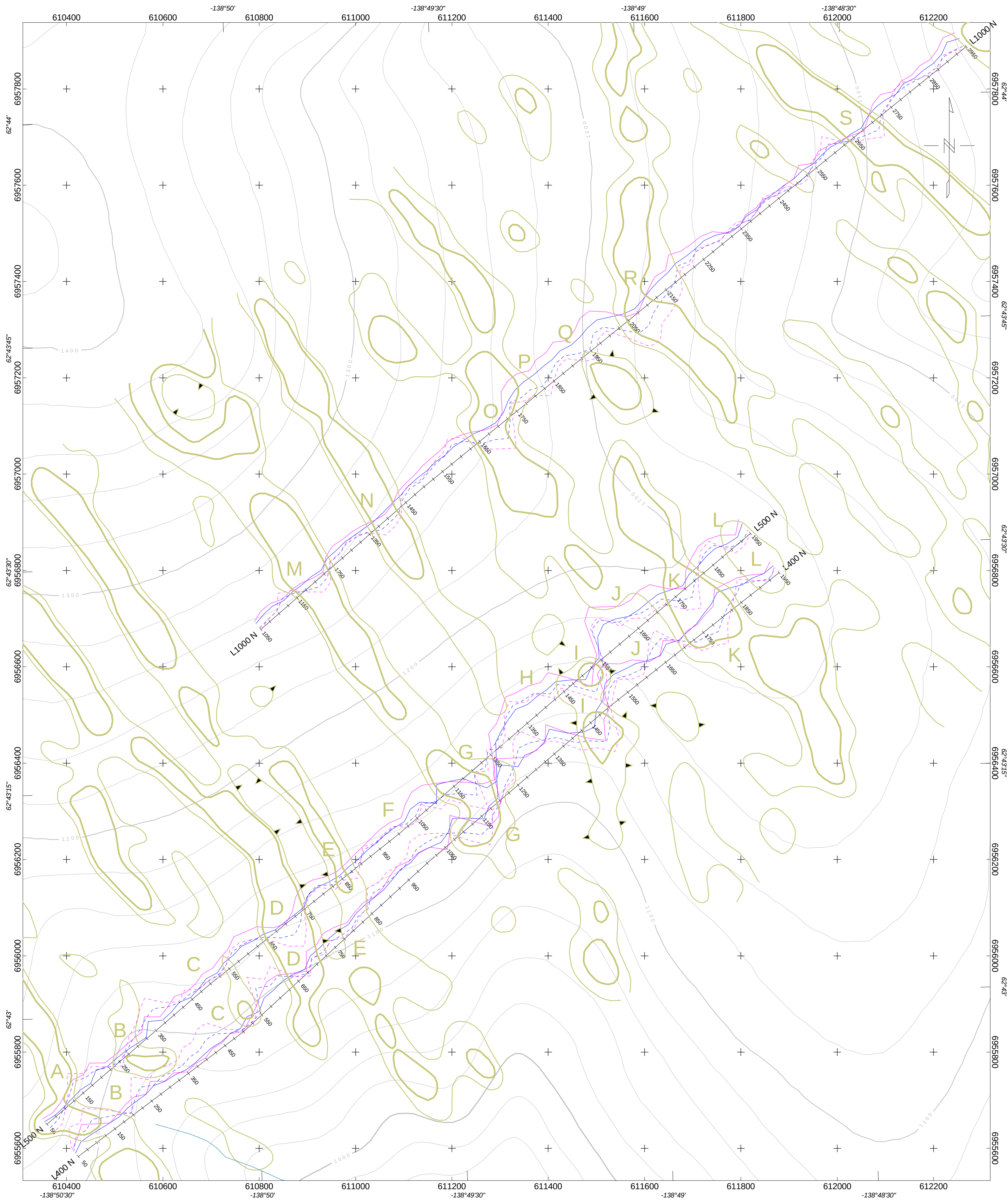
VLF - EM SURVEY

INSTRUMENT : GEONICS EM-16
STATION SEPARATION : 12.5 m
VLF STATION : NLF Jim Creek Washington 24.8 kHz
FACING DIRECTION (NLK) : 050
DATA FILE : Casino2007VLF.XYZ
LINE-KM SURVEYED : 6.0 km
DATES SURVEYED : 3 Aug 2007 - 8 Aug 2007
FILTER 1 : 4 fiducial low pass
FILTER 2 : Fraser
GRIDDING ALGORITHM : Minimum Curvature
GRID CELL SIZE : 12.5 m
FILTER 3 : 3x3 Hanning 5 passes

2 Contour Line
7 Contour Line



WESTERN COPPER CORPORATION	
CASINO PROPERTY STACKED HLEM PROFILES LOW FREQUENCIES FIGURE 6	
NTS: 115 J/10 Datum: NAD 83 Job: WRN-7544-YT	Mining District: Whitehorse Projection: UTM Zone 7 Date: 29 Feb 08
AURORA GESCIENCES LTD	

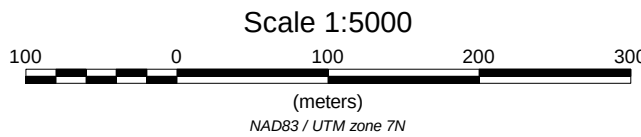


INSTRUMENT : APEX PARAMETRICS MAX-MIN I-10
IN-PHASE DATUM : 0%
QUADRATURE DATUM : 0%
GRID CELL SIZE : 12.5 m
DATA FILE : Casino2007HLEM.XYZ
STATION SEPARATION : 25 m
OPERATORS : SK & MH
LINE-KM SURVEYED : 59.7 km
DATES SURVEYED : 3 Aug 2007 - 8 Aug 2007
FACING DIRECTION (NLK) : 050
FILTER : 3x3 Hanning Filter (3 passes)

VLF - EM SURVEY

INSTRUMENT : GEONICS EM-16
STATION SEPARATION : 12.5 m
VLF STATION : NLF Jim Creek Washington 24.8 kHz
FACING DIRECTION (NLK) : 050
DATA FILE : Casino2007VLF.XYZ
LINE-KM SURVEYED : 6.0 km
DATES SURVEYED : 3 Aug 2007 - 8 Aug 2007
FILTER 1 : 4 fiducial low pass
FILTER 2 : Fraser
GRIDDING ALGORITHM : Minimum Curvature
GRID CELL SIZE : 12.5 m
FILTER 3 : 3x3 Hanning 5 passes

2 Contour Line
7 Contour Line



WESTERN COPPER CORPORATION	
CASINO PROPERTY STACKED HLEM PROFILES HIGH FREQUENCIES FIGURE 7	
NTS: 115 J/10 Datum: NAD 83 Job: WRN-7544-YT	Mining District: Whitehorse Projection: UTM Zone 7 Date: 29 Feb 08
AURORA GESCIENTES LTD	

Figure 8
Selected Histograms

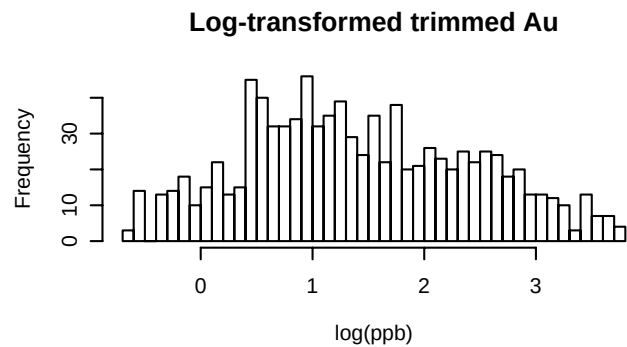
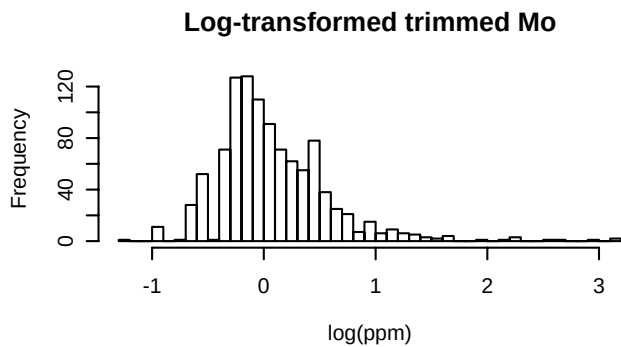
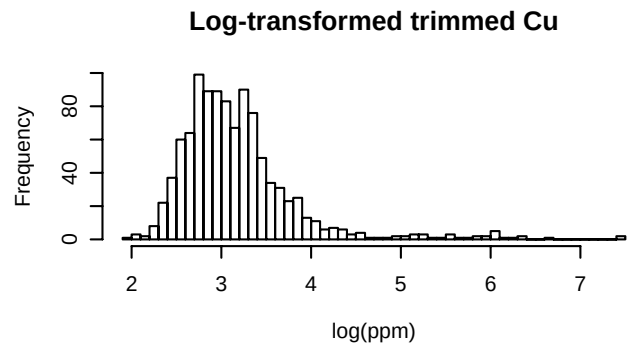
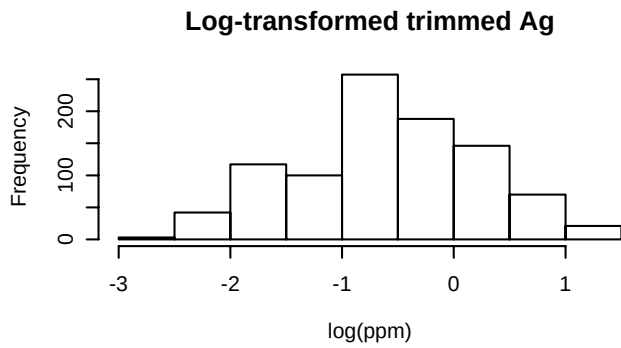
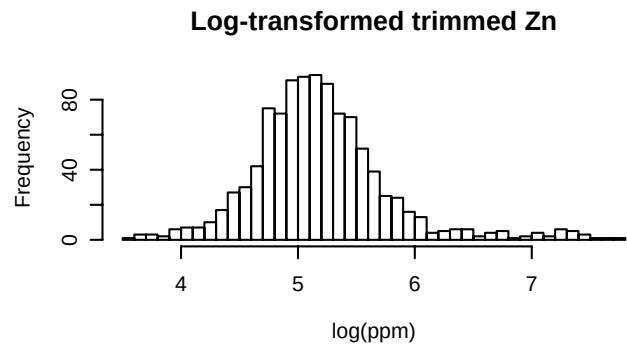
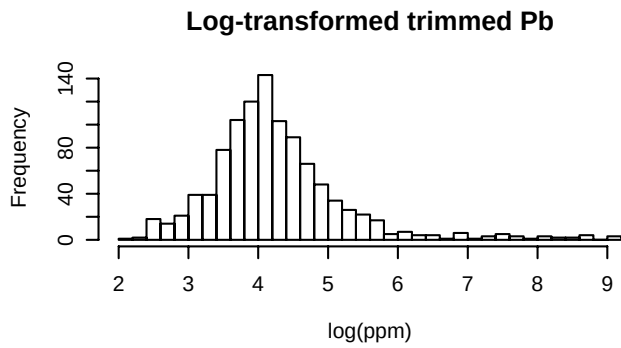
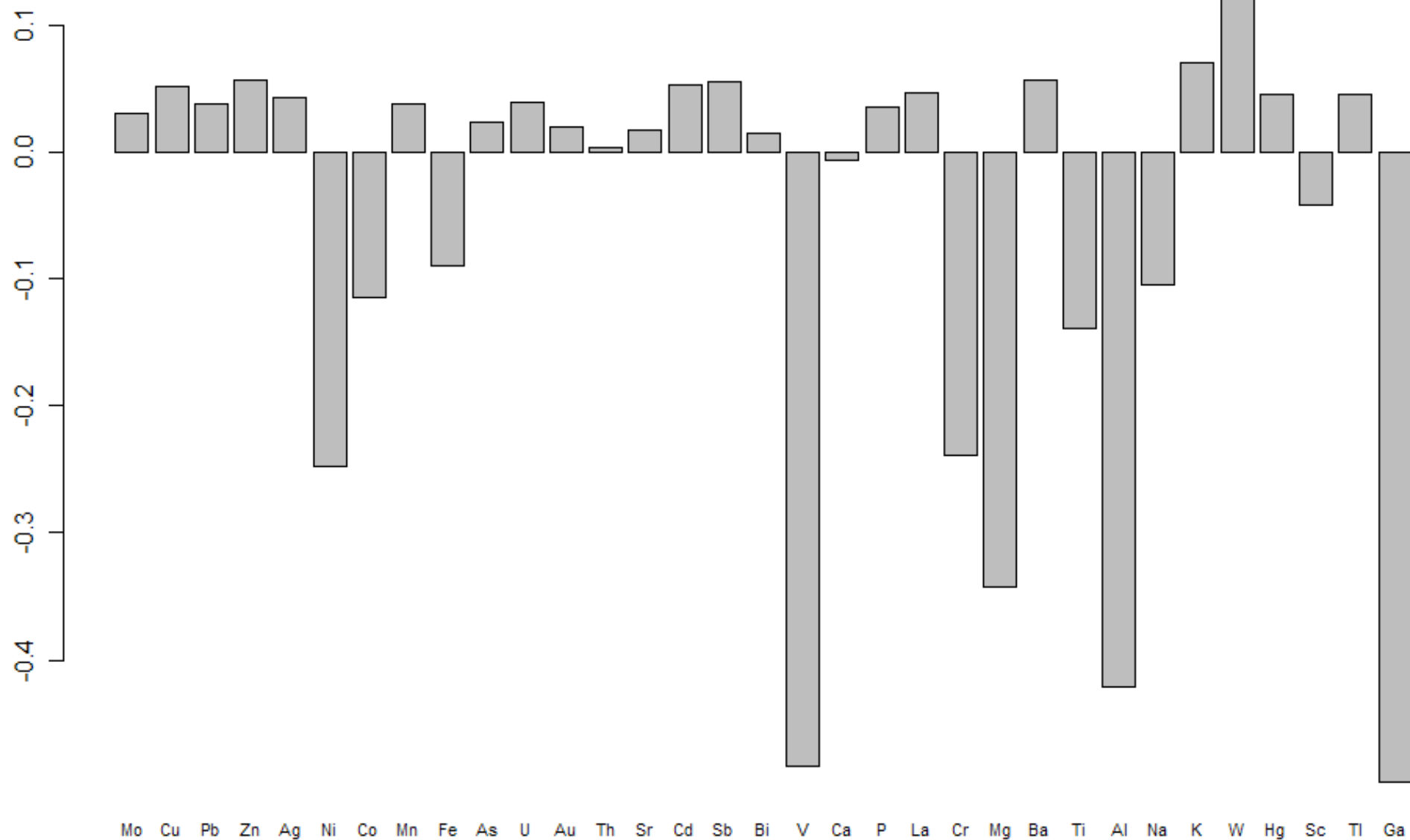
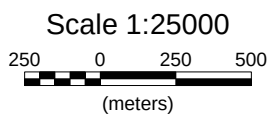
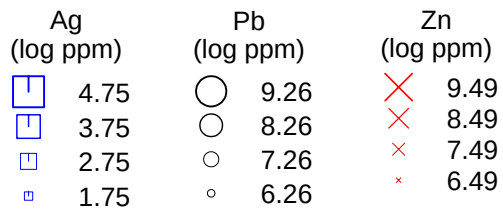
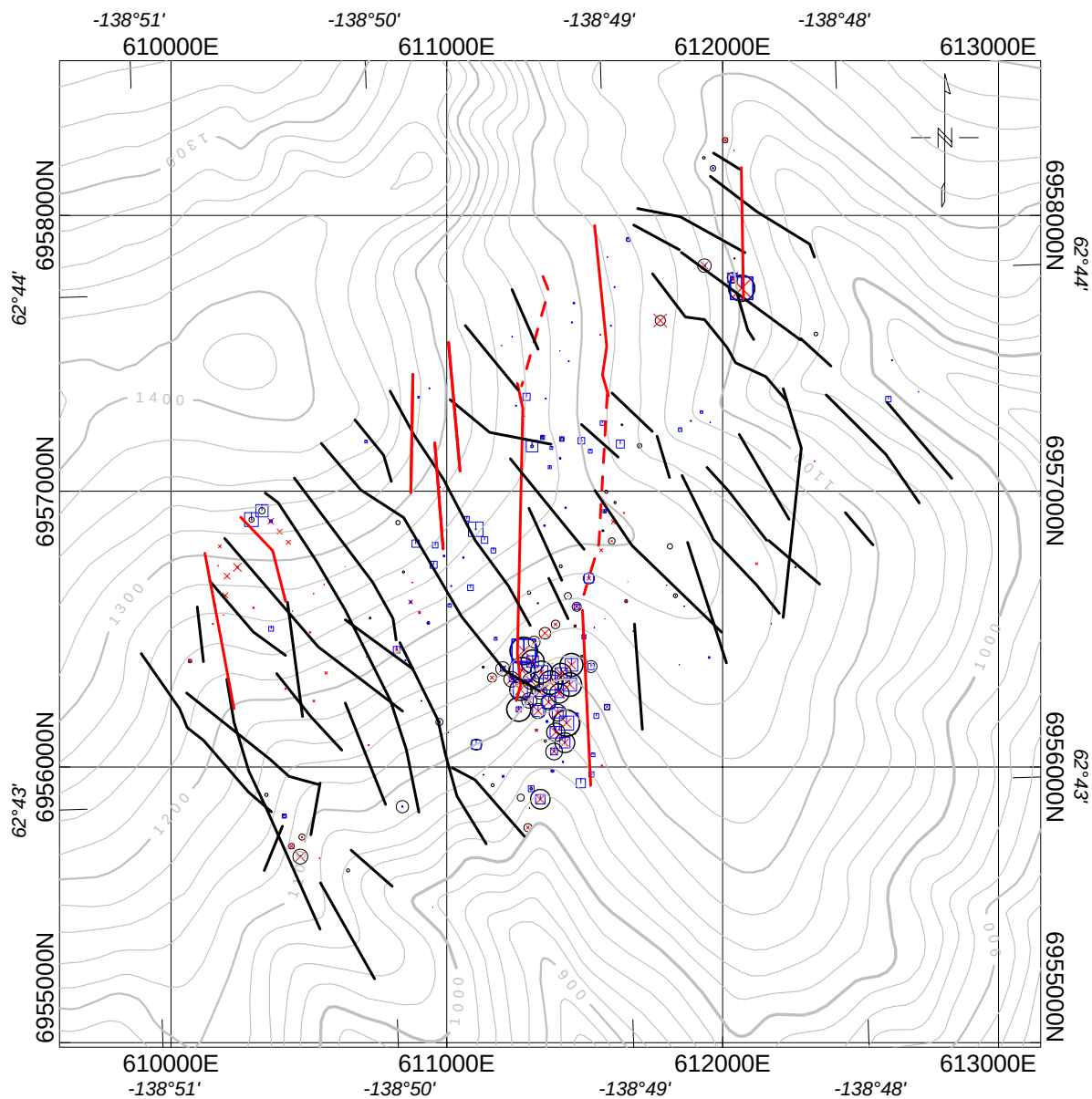


Figure 9
First Principal Component (PC1) Coefficients



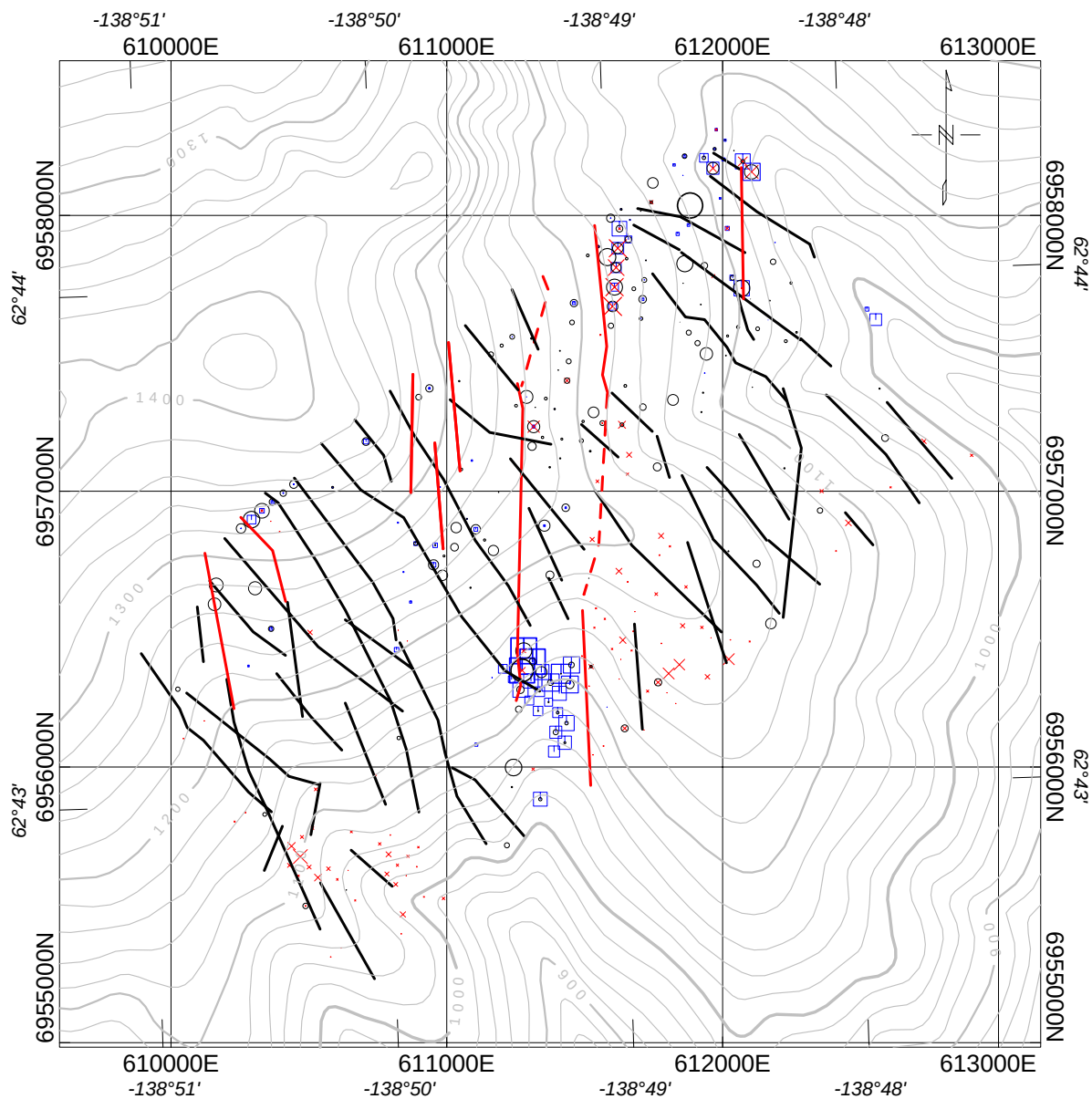


WESTERN COPPER CORPORATION
CASINO PROPERTY
2007 GEOPHYSICS & SOIL SAMPLING PROGRAM
Pb, Zn & Ag (log transformed)
FIGURE 10

NTS: 115 J/10
 Datum: NAD 83
 Job: WRN-7544-YT

Mining District: Whitehorse
 Projection: UTM Zone 7
 Date: 11 Apr 08

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Cu (log ppm)	Mo (log ppb)	Au (log ppb)
7.53	4.11	7.03
6.53	3.11	6.03
5.53	2.11	5.03
4.53	1.11	4.03

Scale 1:25000

250 0 250 500
(meters)

NAD83 / UTM zone 7N

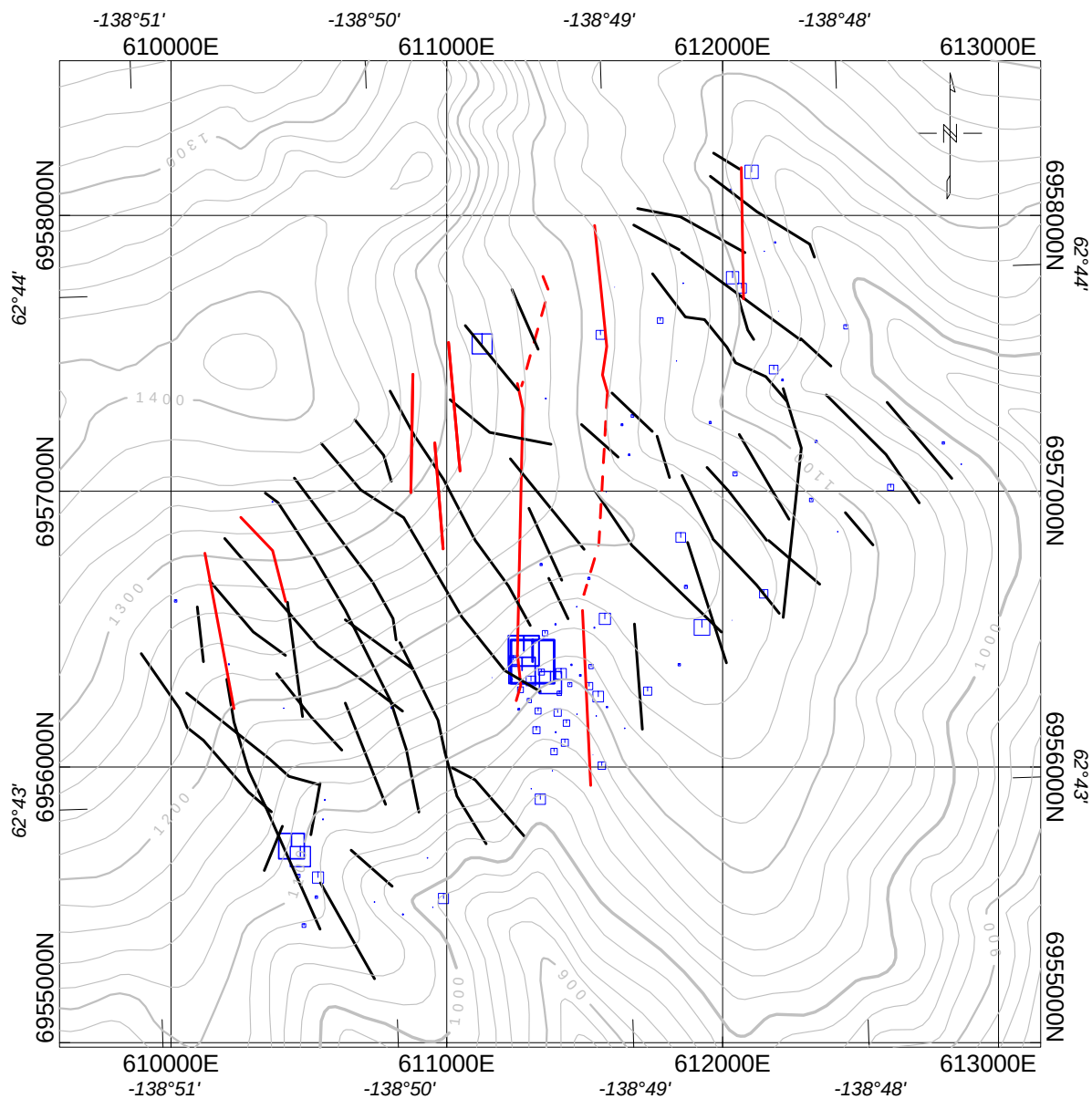
WESTERN COPPER CORPORATION

CASINO PROPERTY 2007 GEOPHYSICS & SOIL SAMPLING PROGRAM Cu, Mo & Au (log transformed) FIGURE 11

NTS: 115 J/10
Datum: NAD 83
Job: WRN-7544-YT

Mining District: Whitehorse
Projection: UTM Zone 7
Date: 11 Apr 08

AURORA GEOSCIENCES LTD.



PC1

- 51
- 40.8
- 30.6
- 20.4

Scale 1:25000

250 0 250 500

(meters)

NAD83 / UTM zone 7N

WESTERN COPPER CORPORATION

CASINO PROPERTY

2007 GEOPHYSICS & SOIL SAMPLING PROGRAM

First Principal Component

FIGURE 12

NTS: 115 J/10

Datum: NAD 83

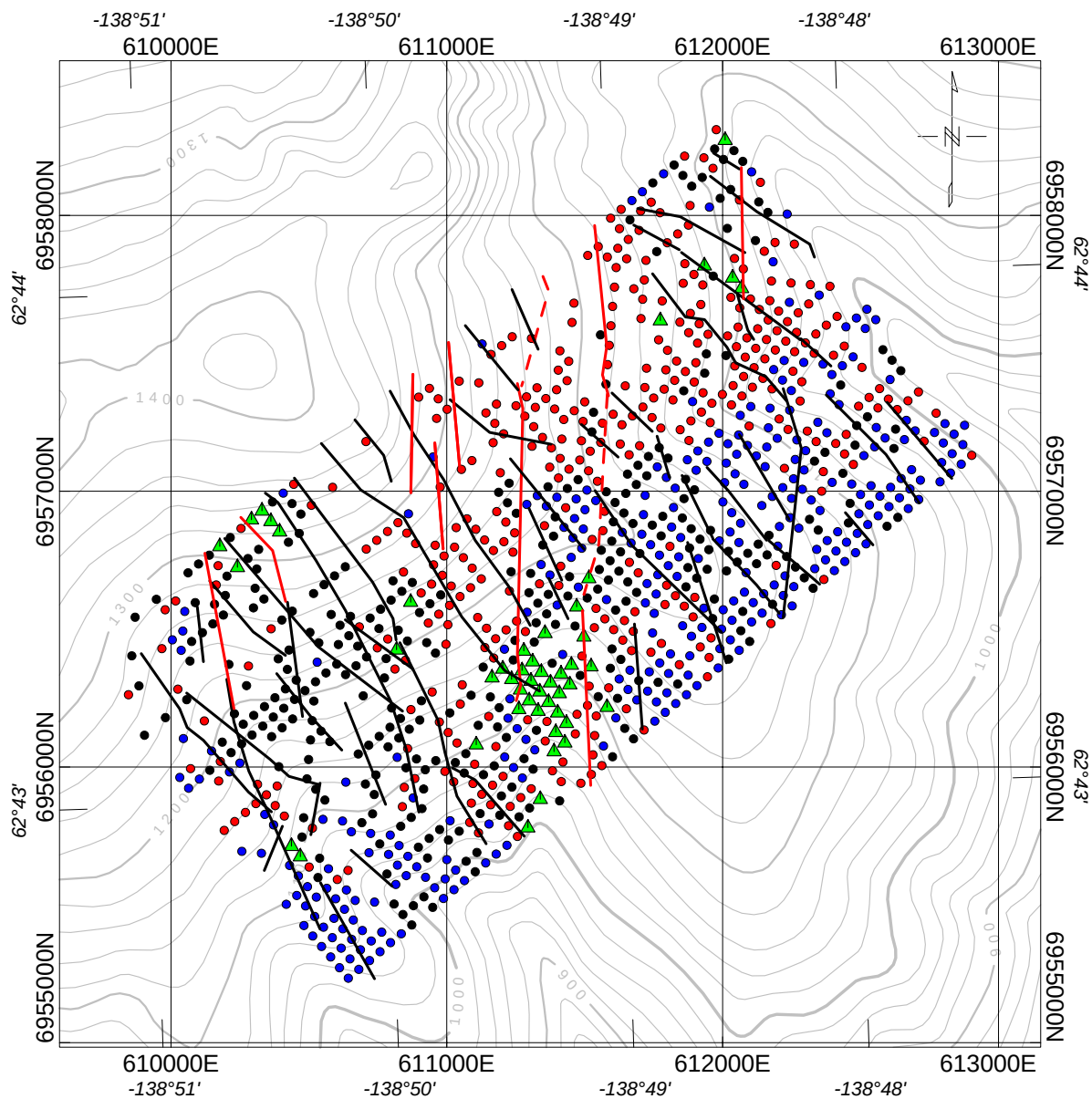
Job: WRN-7544-YT

Mining District: Whitehorse

Projection: UTM Zone 7

Date: 11 Apr 08

AURORA GEOSCIENCES LTD.



Scale 1:25000
 250 0 250 500
 (meters)
 NAD83 / UTM zone 7N

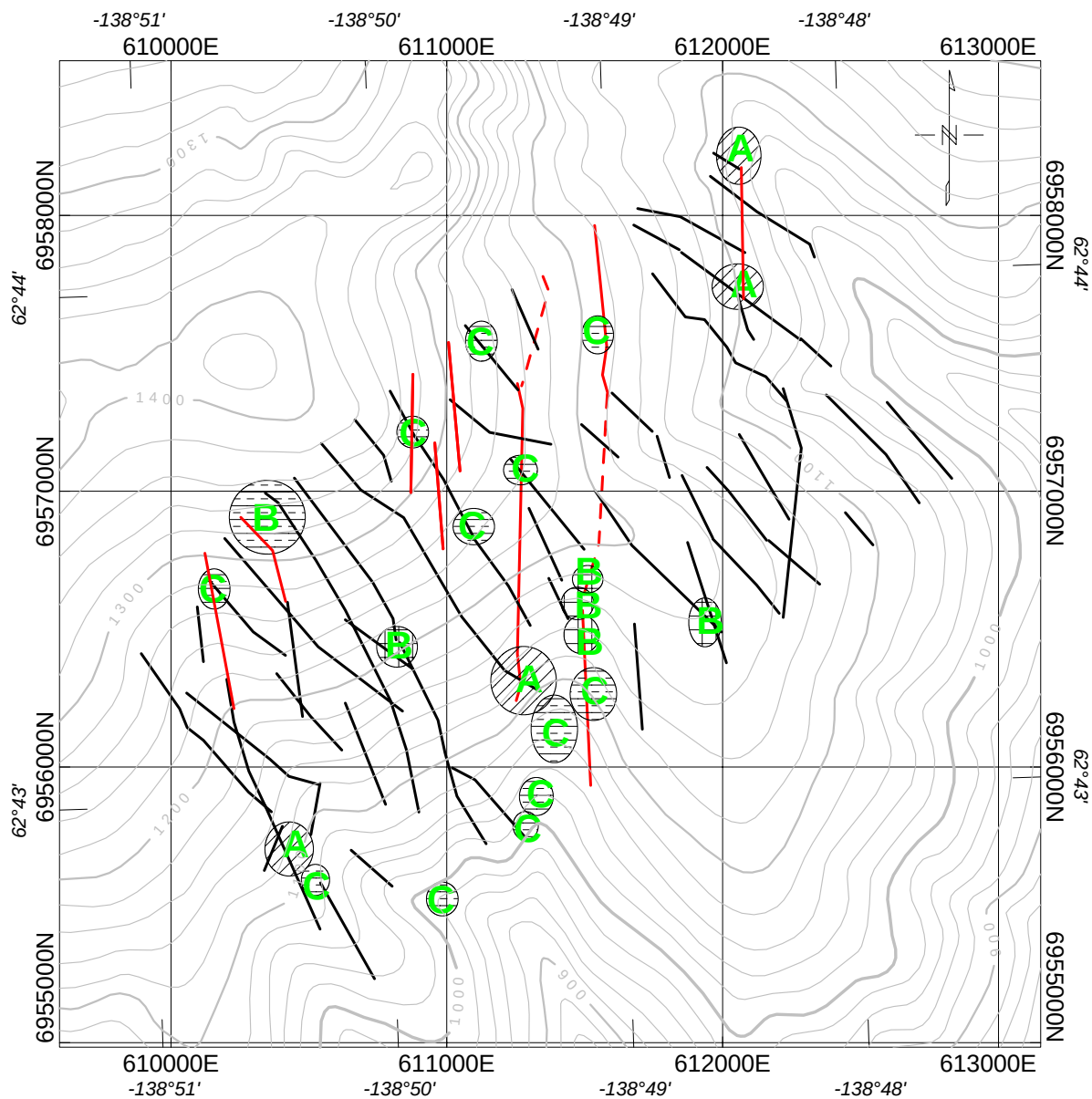
WESTERN COPPER CORPORATION

CASINO PROPERTY 2007 GEOPHYSICS & SOIL SAMPLING PROGRAM Pb, Zn & Ag Cluster Analysis with 4 Centers FIGURE 13

NTS: 115 J/10
 Datum: NAD 83
 Job: WRN-7544-YT

Mining District: Whitehorse
 Projection: UTM Zone 7
 Date: 11 Apr 08

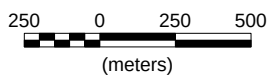
AURORA GEOSCIENCES LTD.



LEGEND

-  Primary target
-  Secondary target
-  Tertiary target

Scale 1:25000



(meters)

NAD83 / UTM zone 7N

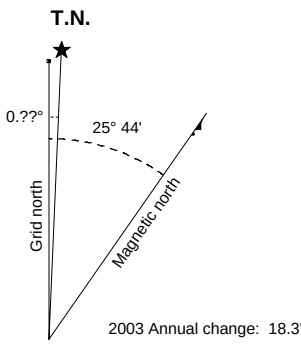
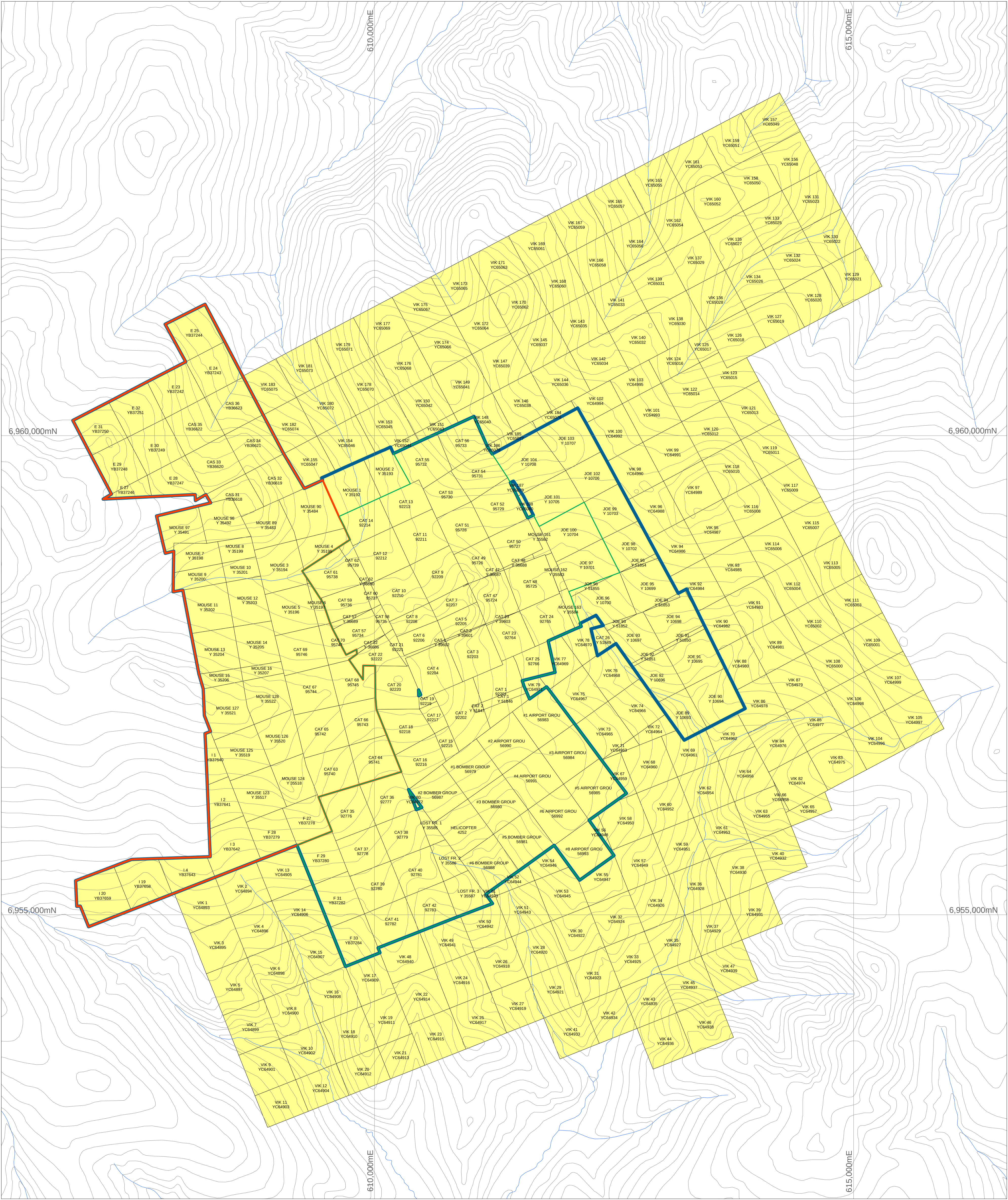
WESTERN COPPER CORPORATION

CASINO PROPERTY 2007 GEOPHYSICS & SOIL SAMPLING PROGRAM ANOMALY MAP FIGURE 14

NTS: 115 J/10
Datum: NAD 83
Job: WRN-7544-YT

Mining District: Whitehorse
Projection: UTM Zone 7
Date: 11 Apr 08

AURORA GEOSCIENCES LTD.



Agreements and Royalties:	
—	Casino A claims
—	Casino B claims
—	GBG - CRS Option Agreement claims

WESTERN COPPER CORPORATION

FIGURE 2
CLAIMS AS OF APRIL 2008
CASINO PROPERTY

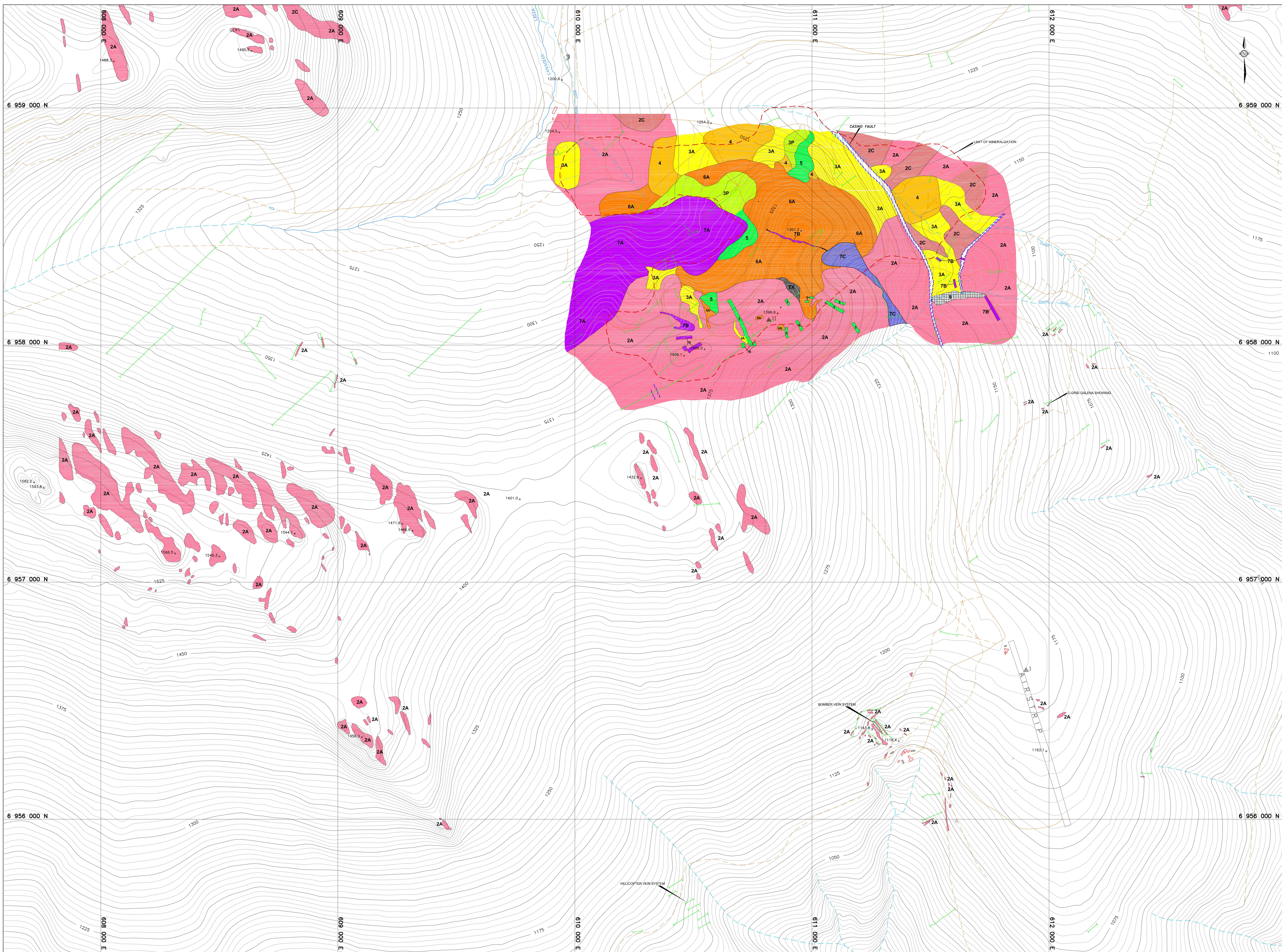
012

kilometres

Scale: 1 :20,000
UTM Zone 7, NAD83, NTS115J

FILE: .../Claims_Apr2008.wor

DATE: APRIL 2008

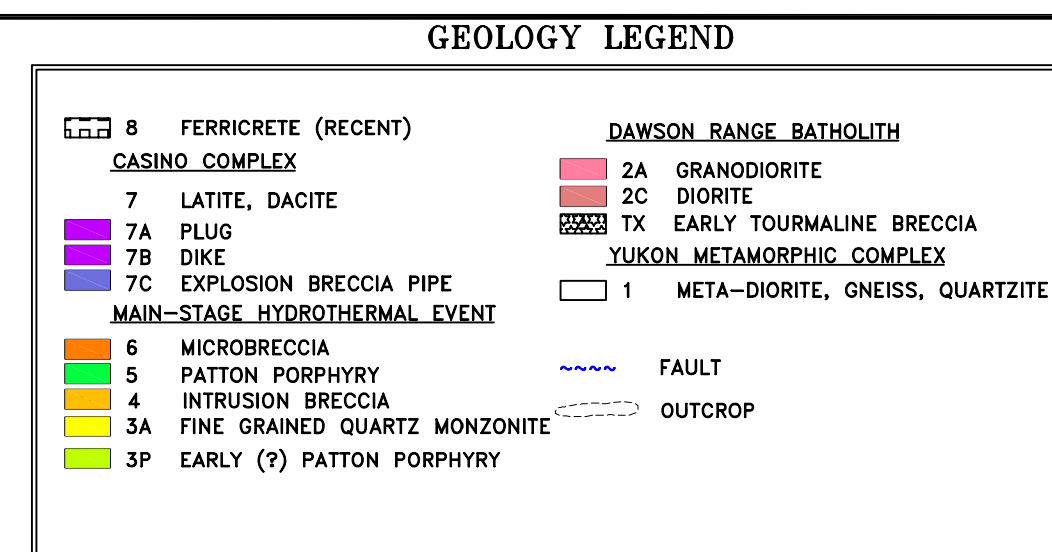
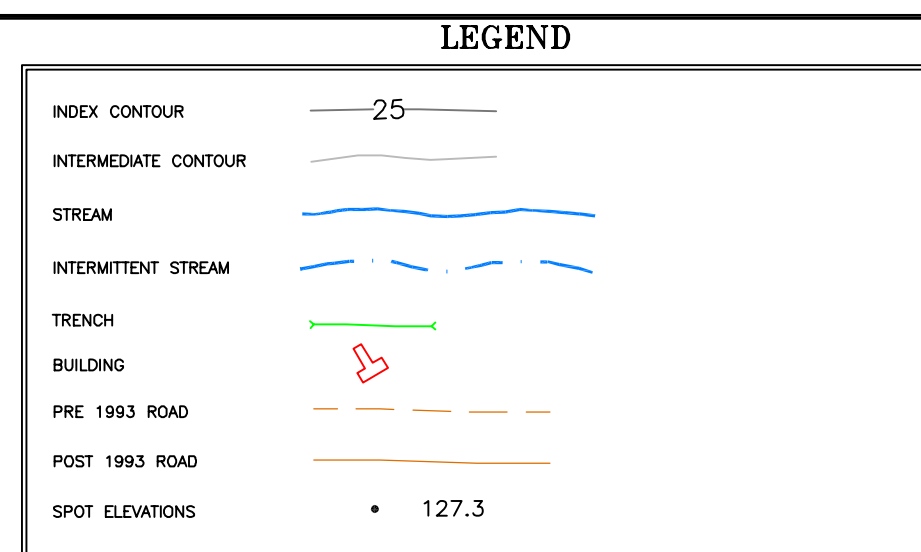


WESTERN COPPER CORP. CASINO PROJECT

FIGURE 4 - PROPERTY GEOLOGY

TOPO. SOURCE: Eagle Mapping Services Ltd. (93-75) 11 Jan. 1994
CONTOUR INTERVAL 5 m

SCALE
0 50 100 150 200
metres



SCALE 1:5,000	File: Property_geol.dwg	November 2008
	Source: E_25_DDH.dwg	K.Lesnikov