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Ministry of Energy and Mines
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Geochemical **TOTAL COST:** $22,000

AUTHOR(S): R.J,Johnston P.Geo. **SIGNATURE(S):**

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): **YEAR OF WORK:** 2012

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5422001 2012/DEC/12

PROPERTY NAME: Whipsaw

CLAIM NAME(S) (on which the work was done): 508920, 508923

COMMODITIES SOUGHT: Gold, Silver, Copper, Molybdenum

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 092S102

MINING DIVISION: Similameen **NTS/BCGS:** 92H.027, 037

LATITUDE: 49 ° 16 ' " **LONGITUDE:** 120 ° 45 ' " **(at centre of work)**

OWNER(S):
1) Martech Industries 2)

MAILING ADDRESS:
1329-1410 W Hastings St
VANCOUVER BC V6B 1L8

OPERATOR(S) [who paid for the work]:
1) Charles Martin 2)

MAILING ADDRESS:
1329-1410 W Hastings St
VANCOUVER BC V6B 1L8

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
The Whipsaw property has been explored since its discovery in 1959. THe Whipsaw Porphyry intrudes volcanic and volcaniclastic rocks of the Triassic Nicola Group near its contact with the Jurassic Eagle Granodiorite. Vein and stockwork porphyry style copper and molybdenite mineralization is associated with the northern and southern contacts of the Whipsaw Porphyry. Structurally controlled gold and silver mineralization occurs to the south of porphyry mineralization.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 21065, 24322, 25547, 25836, 27780, 28401, 31756

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TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil	317 samples analyzed for Au, ICP	508920, 508923	$17,000
Silt	23 samples analyzed for Au, ICP	508920, 508923	$5,000
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	$22,000

Soil and Rock Sampling
Assessment Report on the
Whipsaw Creek Property Similkameen Mining Division
BRITISH COLUMBIA

NTS: 092H07
49°16' N North Latitude
120°45' West Longitude
(centre)

for

Charles R. Martin
Suite 1329 – 510 West Hastings Street
Vancouver, BC, V6B 1L8

by

R.J.Johnston, P.Geo.
8-3789 Oak St.
Vancouver BC
V6H 2M4

December 15, 2012

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The Whipsaw property consists of seven mineral tenures and 1 mining lease covering 4,154.95 hectares located in the Similkameen Mining Division of southwestern British Columbia. The property is located 26 kilometres southwest of Princeton, B.C. and 170 kilometres east of Vancouver. Access is by 25 kilometres of logging road along Whipsaw Creek that depart Highway 3 thirteen kilometres south of Princeton. The property is 16 kilometres west southwest of the Copper Mountain deposit currently being mined by Copper Mountain Mining and Mitsubishi Materials Corporation. Charles Martin has controlled the property since 1987 when the current boundaries were established. The Whipsaw property contains mineralization that includes copper, molybdenum, gold, silver, zinc and lead related to the Whipsaw Porphyry stock.

1.2 Project History

After the original staking of gold-bearing, quartz-sulphide vein deposits in 1908, mineral claims covering various parts of the mineralized area have been more or less continually held by numerous owners. Major geochemical stream sediment and soil anomalies containing up to 1.8% copper were discovered in 1959 in two tributaries, Forty-five and Forty-seven Mile creeks, which enter Whipsaw Creek from the north. Subsequent to this major exploration programmes have been conducted over various parts of the present Whipsaw property area by numerous major companies including Texas Gulf Sulphur, Dome Exploration, Amax Exploration, Newmont Mining Corp and Phelps Dodge Corporation. In 1985 the claims over the mineralized area were consolidated by Mr. Charles R. Martin, who continues to hold these mineral titles.

1.3 Geology and Mineralization

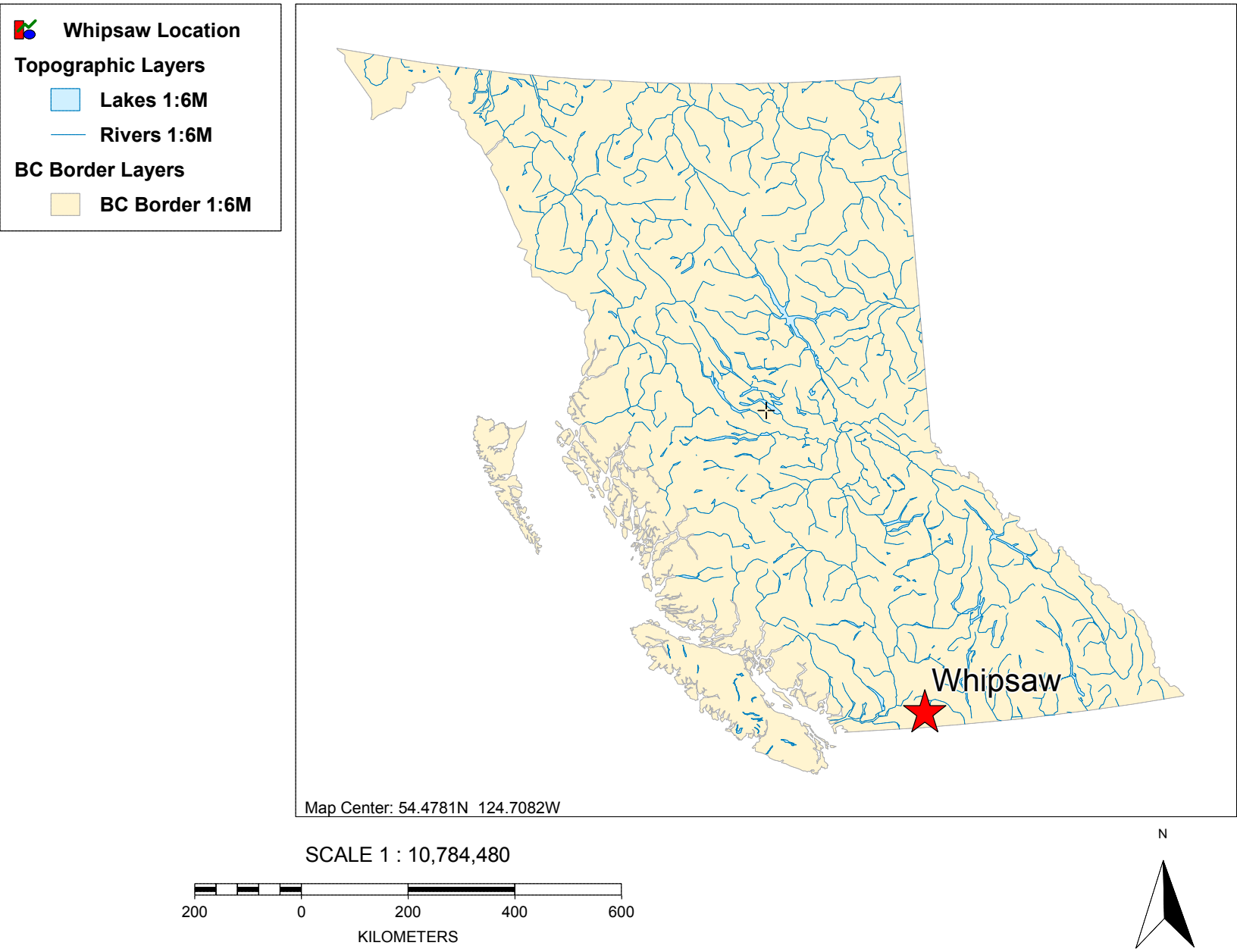
The Whipsaw property contains mineralization that includes copper, molybdenum, gold, silver, zinc and lead which is related to the Whipsaw Porphyry stock. The stock intrudes the west-dipping contact between the Upper Triassic Nicola Group volcanics and sediments and the Jurassic- Cretaceous Eagle Granodiorite. Up to the present, copper, molybdenum and gold mineralization has been found mainly in the Nicola rocks, and is related spatially to the margins of the Whipsaw Porphyry. Gold and silver mineralization has been found in a number of zones to the south of the porphyry stock.

Drilling programs based on geology and geophysical and geochemical surveys have outlined extensive areas of 0.15-0.35% copper mineralization accompanied by significant amounts of molybdenum. In addition, soil sampling and limited follow-up mapping has indicated widespread gold and silver anomalies through the southern portion of the property.

1.4 2012 Exploration program

The 2012 exploration program consisted of infill grid based soil sampling, along with rock sampling of prospective looking material that was encountered. The field work was carried out in on September 20-26 and October 18-21, 2012. A total of 317 soil samples and 23 rock samples were collected, from Tenures 508920 and 508923. A Total of $23,191.53 was spent on the program as detailed in the Statement of Expenditures.

Whipsaw Location Map



1.5 Conclusions and Recommendations

Previous work, including drill programs, geophysical and geochemical surveys along with geological mapping, have outlined extensive areas of 0.15-0.35% porphyry style copper mineralization accompanied by significant amounts of molybdenum. In addition previous regional scale soil geochemical surveys have located zones of significantly anomalous precious metals dominantly along the southern flank of the porphyry mineralization. The present work has targeted these precious metal anomalies and provided greater definition of the anomalous areas.

2 PROPERTY LOCATION AND DESCRIPTION

2.1 Property Location

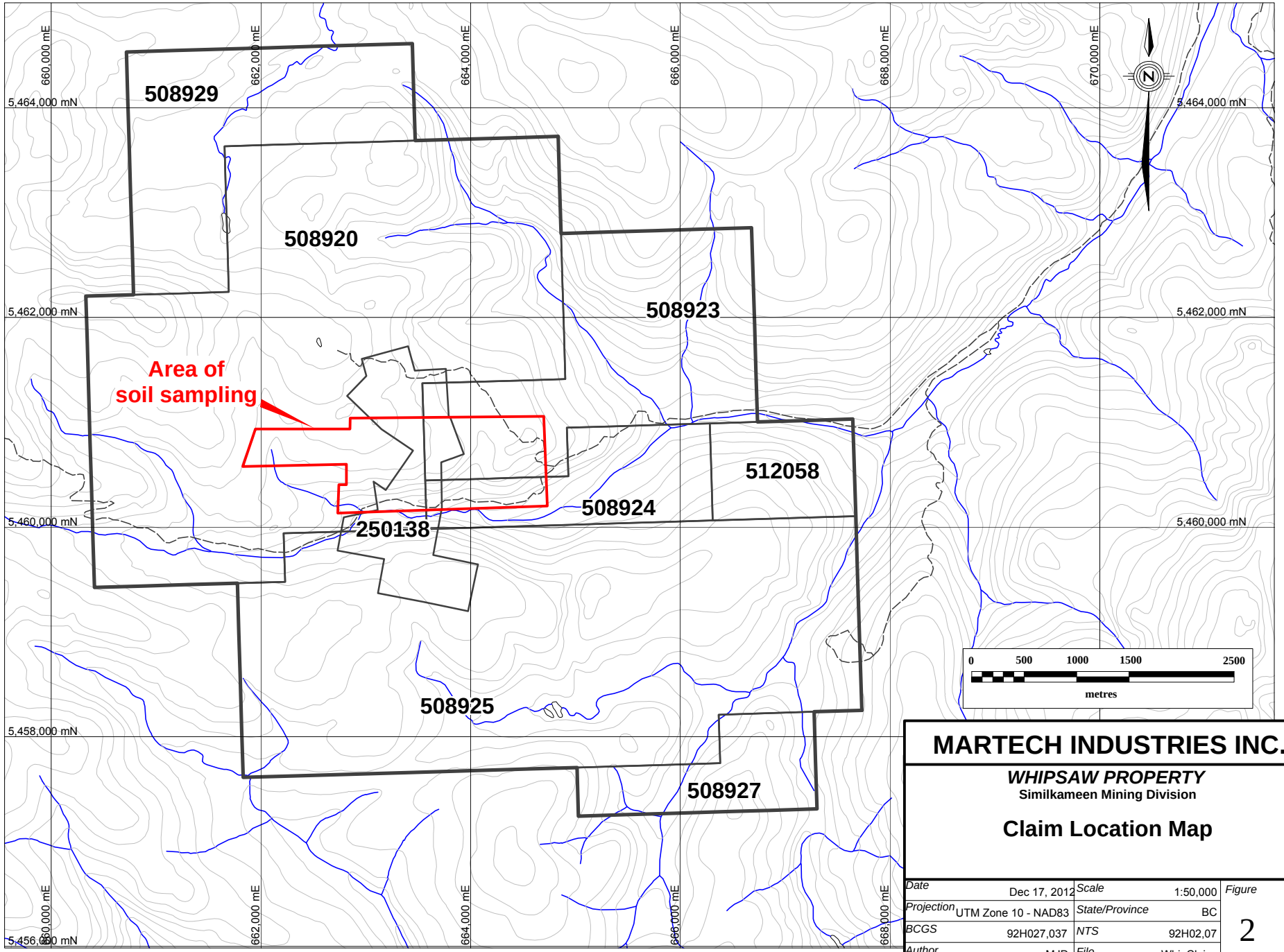
The Whipsaw property consists of seven mineral tenures and one mining lease covering 4,154.95 hectares located in the Similkameen Mining Division of southwestern British Columbia. The property is located 26 kilometres southwest of Princeton, B.C. and 170 kilometres east of Vancouver (Figure 2 - 1). Access is by 25 kilometres of logging road along the north side of Whipsaw Creek from Highway 3. The property is also 16 kilometres west southwest of the Copper Mountain deposit. The work described in this report was carried out on Tenures #508920 and 508923.

2.2 Property Description

The Whipsaw property consists of eight (8) tenures consisting of one (1) Mineral Lease and seven cell based Mineral claims totaling 4,154.95 hectares (Figure 2-2). The claims are registered in the name of Martech Mining Inc., and have expiry dates as shown in Table 2.2, based on acceptance of the current work. This report details the work carried out in order to complete the required assessment for the seven cell based claims. Annual taxes are required to maintain the Mineral Lease.

Table 2.2 – Tenure List

Tenure No.	Area (ha)	Expiry Date	Type
250138	171.75	13-Jan-13	Mineral Lease
508920	1390.71	16-Feb-13	Mineral Title
508923	463.581	16-Feb-13	Mineral Title
508924	189.69	16-Feb-13	Mineral Title
508925	1286.02	16-Feb-13	Mineral Title
508927	147.61	16-Feb-13	Mineral Title
508929	379.14	16-Feb-13	Mineral Title
512058	126.46	16-Feb-13	Mineral Title
Total Area	**4154.961**		



MARTECH INDUSTRIES INC.

WHIPSAW PROPERTY

Similkameen Mining Division

Claim Location Map

Date	Dec 17, 2012	*Scale*	1:50,000	*Figure*
Projection	UTM Zone 10 - NAD83	*State/Province*	BC	2
BCGS	92H027,037	*NTS*	92H02,07	
Author	MJD	*File*	WhipClaim	

New assessment work requirements were introduced in British Columbia on July 1, 2012. A four tier system of yearly expenditures in now in place for which the details are given below;

$5.00 per hectare for anniversary years 1 and 2
$10.00 per hectare for anniversary years 3 and 4
$15.00 per hectare for anniversary years 5 and 6
$20.00 per hectare for subsequent anniversary years

To simplify this change in work requirements, all claims are treated as if they are in their first anniversary year. The filing has been eliminated as well.

The new regulations have also changed the "Cash-in-Lieu" payments that may be made if physical work has not been conducted on the mineral titles. The current payment schedule is as follows;

$10 per hectare for anniversary years 1 and 2;
$20 per hectare for anniversary years 3 and 4;
$30 per hectare for anniversary years 5 and 6; and
$40 per hectare for subsequent anniversary years

Based on acceptance of this current work, the Whipsaw claims will be valid until the anniversary dates in 2014. To keep the titles valid for another year after this, expenditures of $20774.75 will need to be incurred. In the next two years after that, yearly expenditures will need to be $41549.50. Excess expenditures incurred in any year can be filed up to an amount that moves the expiry date ten years into the future.

3 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

3.1 Accessibility

Access from Vancouver is 160 kilometres via Highway 1 to Hope, then 133 kilometres along Highway 3 to Princeton. Thirteen kilometres southwest of Princeton, a good logging road leaves Highway 3 at Whipsaw Creek and travels southwestward along the north bank of Whipsaw Creek to the property over a distance of 30 kilometres. Numerous logging and mining roads give good access to most parts of the property.

3.2 Climate

The Whipsaw property enjoys a temperate continental climate with warm summers and cold winters. Snowfall accumulation in this part of the province averages 1.5 meters in depth. Surface exploration work on the Whipsaw property is best carried out between June and late October.

3.3 Infrastructure

Accommodation along with basic supplies, labour and fuel may be sourced in the community of Princeton 26 kilometres to the east. The Copper Mountain mine is currently in production south of Princeton, such that a greater range of equipment is available that would be the case otherwise. Any specialized material, equipment or manpower requirements would be readily available in the Vancouver, 290 kilometres to the west. Rail lines are also present in Princeton.

3.4 Physiography and Vegetation

Whipsaw Creek flows eastward through the middle of the property. The topography within the property is generally moderate, but there are some deeply incised valleys. Elevations range from 1385m to 1660m. The property is covered with large stands of commercial evergreen trees. There is generally little undergrowth but dense brush does occur locally. Extensive logging has been carried out in the area, which provides for good access. There is currently no active logging within the property boundaries. In general outcrop is sparse, but in many areas the overburden is less than one metre deep.

4 HISTORY

Placer deposits in the Tulameen and Similkameen rivers and their tributaries have been known and worked since the 1860s. In 1885 rich placer deposits of gold and platinum were discovered in Granite Creek near the town of Tulameen, 30 kilometres north of the Whipsaw property. Shortly afterward, gold and platinum placer deposits were discovered in Whipsaw Creek downstream and to the east of the present Whipsaw property. Prospecting for related bedrock deposits led to the staking of gold and silver bearing veins in the central part of the current property in 1908. The remains of a stamp mill on Whipsaw Creek attest to historical mining in the immediate area of the current Whipsaw property, and a number of hand trenches and collapsed adits occur on auriferous quartz veins near Whipsaw Creek.

In 1959, reconnaissance stream sediment sampling by Texas Gulf Sulphur Company discovered major stream sediment copper and zinc anomalies in 45 Mile and 47 Mile creeks, tributaries entering Whipsaw Creek from the north (Bacon, 1960). These anomalies were determined to be related to the northern and southern contact areas of the Whipsaw Porphyry which lie within the current Whipsaw Property. Follow-up work outlined soil geochemical, electromagnetic and induced polarization anomalies near the headwaters of 47 Mile Creek (Bacon, 1960 & 1961; Holyk, 1962). This anomalous area was subsequently explored by several companies (Seraphim, 1963; Hall, 1963; Mustard, 1959; Macauley and Paulus, 1971) over the following two decades. Also during this period, adjacent properties were acquired and explored by several other companies and individuals. Despite the property boundary constraints to exploration programs, large areas of 0.1-0.3% Cu with accompanying molybdenum were discovered by limited diamond drilling programs while investigating the various geochemical and geophysical anomalies (Heim, 1987).

!n 1960-62 Texas Gulf completed soil sampling, geological mapping, EM, Magnetic and I.P. surveys along with three diamond drillholes. Moneta Porcupine, Dome Exploration, and Tennessee Corp. optioned the property through 1963-64 and carried out additional I.P., soil geochemistry and drilled 2 more drill holes. In 1968 Amax entered into an agreement under which they completed additional soil sampling, mapping, and trenching. Texas Gulf trenched and drilled four holes in 1969 based on the Amax work.

Newmont's interest in the area dates from 1967, when a stream sediment survey indicated a strong anomaly, but as all the ground was staked nothing was done. In 1969 the Whipsaw property was submitted to Newmont who proposed a program of further exploration (Macauley, 1969). No further work was carried out until July 1971, when Texas Gulf Sulphur optioned their ground to Newmont and an I.P survey, geological mapping, and some additional geochemical sampling were completed. One of the results of this work was the discovery of the BZ Zone, the area of which was covered by the most recent exploration, in 2009-2012.

In 1985, World Wide Minerals Ltd. acquired a portion of the property and soil sampled in the area of the BZ trenches to test for precious as well as base metals (Helm, 1985). It was found that the BZ trenches were located within a large Cu-Zn soil anomaly accompanied by anomalous Au, Ag and As values. In 1986, the BZ trenches were cleaned out and re-sampled, with new rock samples assaying as high as 11.62 g/t Au and 185.1 g/t Ag across 0.61 metres in a shear zone (Heim 1987).

In 1987, World Wide Minerals Ltd succeeded in consolidating the current property, and completed reconnaissance soil sampling over the central portion of the area. A total of 5,580 samples were collected and analyzed for Au and, separately, for 31 elements using the inductively coupled plasma (ICP) method. In late 1987 and January 1988 30 diamond drill holes totaling 3,040.1 metres were completed over part of the BZ zone and on two zones south of Whipsaw Creek (Richardson, 1988b). Also in 1987, World Wide Minerals contracted an airborne magnetometer and very low frequency electromagnetic (VLF-EM) survey over the southern part of the property (Walker, 1987). An intense magnetic anomaly was located over the southeast portion of the property, which may indicate the presence of an ultramafic intrusion.

In 1990, World Wide completed a three hole diamond drilling program immediately north of the Whipsaw Porphyry Stock (Richardson, 1990a and 1990b). In 1990 World Wide also began a program of detail geochemical surveying to investigate the anomalous areas south of Whipsaw Creek that were discovered

by the 1987 reconnaissance geochemical survey; this work was completed in 1992.

In 1991, the northern half of the Whipsaw property was optioned to Phelps Dodge Corporation of Canada, Limited. Their representatives (Fox Geological) conducted diamond drilling and percussion drilling programs in 1991 and an additional small diamond drilling program in 1992 (Fox, 1992; Fox and Goodall, 1992).

In 1995, Charles Martin drilled seven diamond drill holes to test the copper mineralization around the periphery of the Whipsaw stock, and in 1997 drilled one additional diamond drill hole near the south boundary of the stock.

A diamond drilling program was carried out in 2004 by Canfleur Mining to continue the investigation of the copper-molybdenum porphyry mineralization. Diamond Drill Holes W04-11 and W04-12 were drilled to confirm the presence of and to obtain additional samples more representative of the copper-molybdenum mineralization that was tested by earlier diamond drilling along the northern contact of the Whipsaw porphyry. Some of the earlier drill holes were drilled at a time when only “visually interesting” sections of the core were assayed because of the cost of assaying. As a result, data on Cu, Mo and Au were incomplete.
In 2009-2010 a soil geochemistry and mapping programme was conducted on behalf of Charles Martins’ Martech Industries focused on the area north of Whipsaw Creek and south of the Whipsaw Porphyry and which included the BZ Zone. Previous work had outlined strong Au, Ag and Cu anomalies, and it was felt that more detail was required in order to better evaluate the area.

Soil sampling consisted of infill sampling within the previous reconnaissance grid on which samples were collected at 50 by 50 metre intervals. The new work collected samples at 25 metre intervals on lines emplaced at 25 metre spacings from the previous lines. Mapping was conducted across the area and rock samples were collected of prospective looking material. The mapping incorporated outcrop, float and the fragments associated with the soil samples, which confirmed that the area is underlain by Nicola Group rocks. A total of 407 soil samples and 20 rock samples were collected and analyzed at Acme Analytical in Vancouver, BC for gold and a 31 element ICP package. The general tenor of the 2009-2010 soil sampling matches the historical results very well with maximum values of 0.28g/t gold, 9.0g/t silver, copper to 854ppm and 26.8ppm molybdenum.

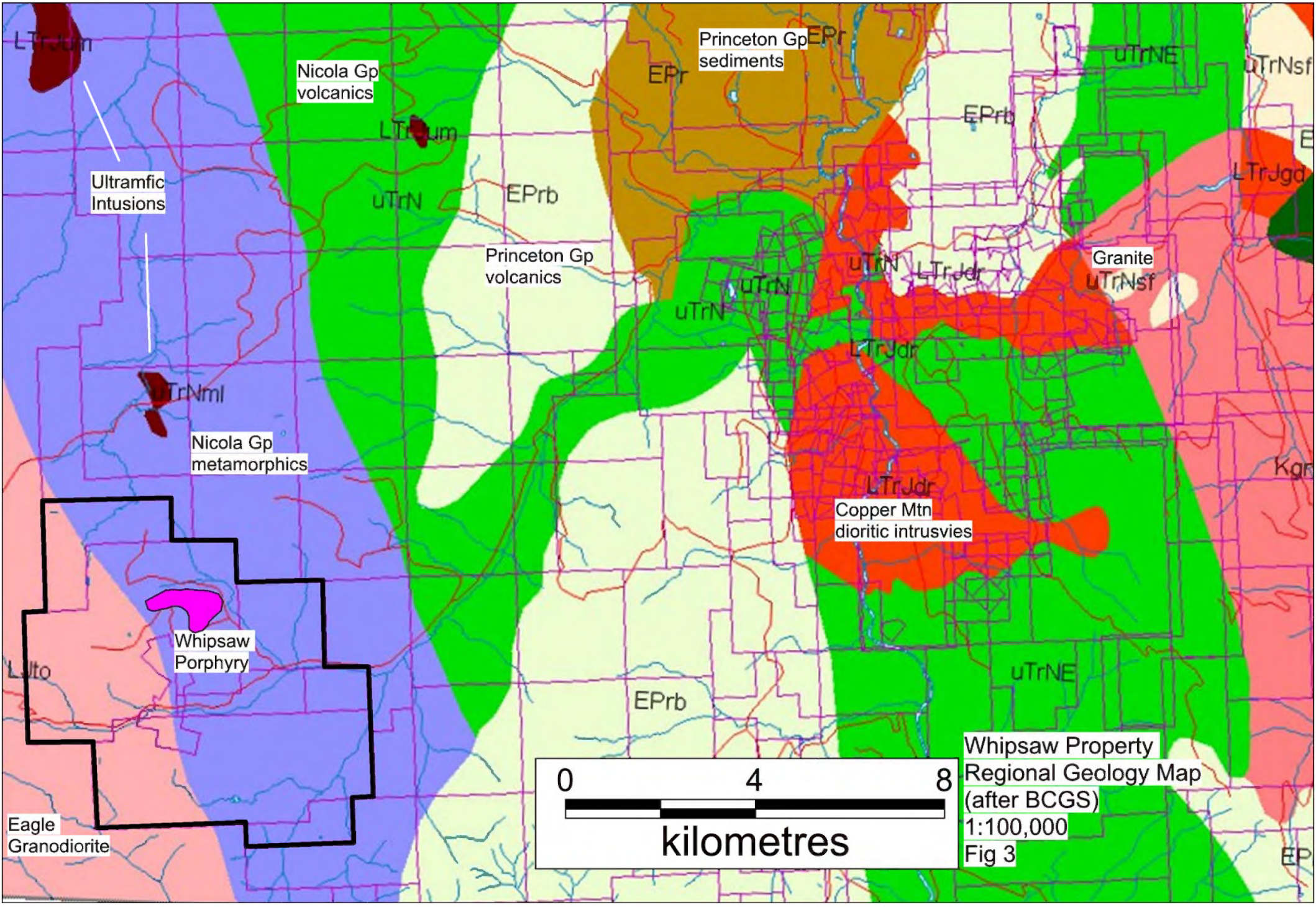
Given the significant amount of previous work, the presence of porphyry style mineralization and the widespread gold and silver geochemical anomalies the author believes that the potential for the discovery of additional zones of mineralization and the expansion of existing zones is significant and continued exploration on the Whipsaw property is warranted.

5 GEOLOGICAL SETTING

5.1 Regional Geology

The Whipsaw Creek Property covers an area where the Whipsaw Porphyry intrudes Nicola Group volcanic rocks near their western contact with the Eagle Batholith. The Nicola Group is of Upper Cretaceous to Tertiary age and composed of mostly volcanics, porphyritic to non-porphyritic dacite to basalt, and lesser sediments. It becomes strongly foliated towards it eastern contact with the Jurassic to Cretaceous Eagle granodiorite. The Nicola rocks also increase in metamorphism, to amphibolite grade, near the contact. The Whipsaw Porphyry is a feldspar-quartz-biotite porphyry similar to others that occur 40 kilometres to the north-northwest between Law’s Camp and the Independence Camp, also emplaced along the Eagle-Nicola contact.

Most mineral occurrences in the area are related to intrusive bodies cutting Nicola Group rocks. The Ingerbelle - Copper Mountain deposits, 16 kilometres east of Whipsaw, are the most significant, though there the intrusions are nearly the same age as the volcanics (Upper Triassic). On the Whipsaw Property low grade chalcopyrite and molybdenite mineralization is associated with Upper Cretaceous or Tertiary intrusives along the Nicola-Eagle contact, but to date none of these occurrences has proved to be


LTrJum
Nicola Gp volcanics
Princeton Gp sediments
EPr
uTrNE
uTrNsf
EPrb
LTrJgd
Ultramfic Intusions
LTrJum
uTrN
EPrb
Princeton Gp volcanics
uTrN
LTrJdr
Granite
uTrNsf
uTrN
uTrN
LTrJdr
uTrNml
Nicola Gp metamorphics
LTrJdr
Copper Mtn dioritic intrusvies
Kgr
Whipsaw Porphyry
LJto
uTrNE
EPrb
0
4
8
kilometres
Whipsaw Property
Regional Geology Map
(after BCGS)
1:100,000
Fig 3
Eagle Granodiorite
EP

economic. Gold and silver occurrences in structural zones to the south of the Whipsaw stock are consistent with precious metal mineralization known to occur on the margins of porphyry style mineralization

5.2 Property Geology

The bulk of the following information on the property geology is derived from field work and compilation of research studies completed by Paul Richardson during his long association with this project.

The Whipsaw properly covers eight kilometres of the regionally mineralized contact zone between the Upper Triassic Nicola Group and the Eagle Granodiorite. In the north-central part of the property, the west-dipping contact zone is intruded by the Whipsaw Porphyry. Dykes of feldspar porphyry extend north and south of the stock near and parallel to the Nicola Group - Eagle Granodiorite contact. The northwest portion of the Whipsaw Porphyry outcrops and has been mapped (Mustard, 1969), however the southeast lobe of the porphyry stock occurs in an area of sparse outcrop and the outline of this part of the stock is based mainly on magnetic and geochemical data.

The Whipsaw Porphyry is the apparent source of a large hydrothermal system with which at least two types of mineral deposits are associated. Porphyry copper-molybdenum-gold mineralization occurs as disseminations and in veinlets within the perimeter of the Whipsaw Porphyry but mostly in Nicola rocks bordering the porphyry. To the south, the porphyry Cu-Mo-Au mineralization decreases and Au-Ag-Cu-Zn mineralization occurs in sulphide-bearing quartz veins and peripheral disseminations. There are localized areas of skarn mineralization in carbonate- bearing horizons just north of Whipsaw Creek near the Nicola - Eagle contact. The skarn zones coincide with the area of the highest soil gold geochemical anomalies on the property but the area has not yet been examined or sampled in detail.

The source of an intense magnetic anomaly in the southeast portion of the property is probably a body of ultramafic rocks, a number of which occur south of the Tulameen ultramafic intrusive, which is known to contain platinum group elements (PGE). If this interpretation of the magnetic anomaly is correct, the ultramafic body on the Whipsaw property could be the source of the platinum recovered from the placer deposits in Whipsaw Creek, east of the present property.

A second possible source of the PGE-bearing placer deposits in the creek is the mineralization associated with the Whipsaw Porphyry. At nearby Copper Mountain, PGE's have been reported to be associated with the copper-gold mineralization around the perimeter of the Copper Mountain Stock. A third possible source of the placer platinum in Whipsaw Creek is the Tertiary sediments in which platinum and gold were probably deposited during and after the intense Early Tertiary erosion of the Tulameen ultramafic rocks.

<u>Nicola Group</u>
The Nicola Group is composed of volcanic rocks with lesser sedimentary interbeds. Most of the unit is made up of dark green to light grey, banded, schistose rocks that were originally andesitic volcanics. They are composed of 50% plagioclase and 50% amphibole which is often altered to chlorite. The rocks are strongly foliated with foliation striking at an azimuth of 150°-160° and dipping moderately to steeply to the west parallel to the contact with the Eagle Batholith. Minor magnetite is disseminated throughout the Nicola rocks but appears to be concentrated cowards the contact of the Whipsaw porphyry. Skarn bodies in the western part of the property were probably limey sediments within the Nicola.

<u>Eagle Batholith</u>
The Eagle Batholith is considered to be part of the Coast Range intrusives which occurs on the west side of the property. It is a light grey, coarse grained biotite granodiorite, composed of plagioclase, potassium feldspar, quartz, and biotite.

Whipsaw Porphyry

The Whipsaw porphyry is located along the contact of the Nicola Group and the Eagle Batholith. The porphyry is multiphase with the different phases being defined by the amounts of biotite and/or quartz present. These mineralogical phases were originally mapped as separate bodies by Mustard (1968), but have subsequently been combined under the term Whipsaw porphyry. An intrusive breccia believed to be related to the Whipsaw porphyry has also been mapped.

The Whipsaw is feldspar porphyry composed of euhedral plagioclase phenocrysts (1-3 mm), various percentages up to 10% of hornblende phenocrysts (1-2 mm), and sometimes anhedral quartz (1-2 mm). The matrix varies from 60% to 80%, is fine grained and composed of plagioclase and mafics. Accessory minerals usually, but not always present are hematite, magnetite, epidote, chalcopyrite, and up to 2% pyrite.

Portions of the margin of the porphyry and an area 300m east of the NE comer of the porphyry are brecciated where fragments of Nicola rock and Eagle granodiorite occur in a feldspar porphyry matrix. Fragments are from 2mm to 8cm in size. Eagle fragments predominate along the west margin of the porphyry while Nicola fragments predominate to the east. The isolated area of breccia to the east of the porphyry may indicate the continuation of the porphyry.

The porphyry intrudes the Nicola rocks parallel to the foliation on the southern contact, whereas on the northern contact the porphyry cuts the foliation. The northern contact between Whipsaw porphyry and Nicola volcanic is exposed in a trench and in a diamond drill hole (69-W-1). From this information the northern contact of the porphyry is interpreted to dip at approximately 45° north. Geophysical data confirms that the northern contact of the Whipsaw porphyry crosscuts the trend of the foliation.

Mineralization

In the north-central part of the Whipsaw property, the Whipsaw Porphyry forms a crescent shaped intrusion 1500 by 600 metres in size which intrudes Nicola Group volcanics and volcaniclastics. Disseminated and veinlet style porphyry copper-molybdenum mineralization occurs within the contact zone of the Whipsaw Porphyry, primarily within Nicola rocks bordering the intrusion. Exploration to date has been successful in locating two areas of mineralization associated with the intrusion contact, the North Zone and the South Zone. Anomalous soil and silt geochemistry and widespread drill holes suggest the possibility of a third zone along the west contact of the intrusive.

Mineralization in the Whipsaw porphyry and associated breccia consists of disseminated pyrite and chalcopyrite, occurring mainly near the margins of the intrusive. Chalcopyrite and molybdenite also occur with pyrite and quartz in fractures within the Eagle granodiorite.

6 EXPLORATION

The 2013 exploration program consisted of infill soil sampling and minor rock sampling which expanded the 2009-2010 work. Two areas were sampled, on the east and west sides of the mineral lease (tenure# 250138) and the BZ zone area, both to the north of the 2009-2010 sampling. The western area covers the area of the Eagle Granodiorite – Nicola volcanics boundary. As well, two reconnaissance soil lines were emplaced and sampled to the west of the historical grids. The 2013 work was carried out on tenures 508920 and 508923.

Previous work in these areas consisted of a 50m by 50m reconnaissance soil grid which showed some highly anomalous results. Additional sampling and mapping were deemed to be warranted based on the tenor of the original sampling results which contained gold values to 0.57g/t and silver to 8.0g/t along with copper values to 738pm and molybdenum to 12ppm.

The new soil sample lines were emplaced 25 metres north of the previous lines, with samples collected at 25 metre intervals. Sufficient locations of the original grid were found to be confident of the location of the new lines.

A total of 407 soil samples and 20 rock samples were collected and analyzed at Acme Analytical in Vancouver, BC for gold and a 35 element ICP package. Geochemical results for gold, silver, copper and molybdenum are shown on Figures 4, 5, 6 and 7 in this report. The general tenor of the current sampling matches the historical results very well. For the 2012 samples the maximum gold value was 2044.5 ppb, for silver 75.6 ppm, copper to 981 ppm and molybdenum to 21.7 ppm.

Within and adjacent to the areas of the soil sampling, rock samples were collected from prospective looking (altered) subcrop and outcrop. A number of historical workings were encountered and sampled as well.

7 INTERPRETATIONS AND CONCLUSIONS

The area covered by the infill soil sampling was selected on the basis of anomalous gold and silver values returned by the initial reconnaissance sampling. It is located about two kilometres south of the Whipsaw Porphyry stock. It is interpreted that this area is host to gold and silver vein mineralization occurring on the edges of the copper-molybdenum porphyry mineralization proximal to the Whipsaw Porphyry.

Prospecting during the collection of the soil samples located samples of quartz vein material containing sphalerite, galena and chalcopyrite mineralization hosted in structural zones within Nicola Group rocks. A grab sample of quartz float from the waste pile of an old pit returned 10.5g/t Au and 275g/t Ag and grabs from another waste pile in front of a collapsed adit returned 0.4884g/t Au and 253g/t Ag.

Both of these samples were on the eastern side of the western soil sampled area on the northeast edge of a 600 by 450 metre zone of anomalous gold in soils. The northwest edge of the gold anomaly has a sharp cutoff which is shared by a northeast trending silver in soil anomaly which overlies it, indicating a structural boundary. There are scattered gold, copper and molybdenum in soil anomalies over the area of the BZ Zone, but little of note over the eastern soil sampled area. Two areas of anomalous copper and molybdenum in soils were noted over the two soil lines to the west of the previous grid, indicating more work should be conducted in this area.

8 RECOMMENDATIONS AND BUDGET

As a result of the geochemical surveys completed during the program described herein, a program of IP and Magnetic geophysical surveys and trenching is recommended to further evaluate the anomalous areas.

8.1 Cost Estimate

A budget of $24,000 is required to support the recommended first stage work program as outlined in Table 8.1 below:

Table 8-1 Recommended First Stage Exploration Program Budget

Item	Description	Amount
Trenching		$20,000
Soil Sampling	800 samples @ $25/sample	$20,000
Rock Sampling	150 samples @ $35/sample	$5,250
Geophysical Surveys	40 kms of IP and Ground Magnetics	$90,000
Accommodation and Board	$75/day; 4 people; 45 days	$18,000
Equipment Rental	Saws, Radios, Sat phone	$5,000
Field Supplies	Flagging, Pickets, Consumables	$3,000
Labour	Supervision, Field Work, Reporting	$54,500
Transportation	Truck Rental, Fuel	$6,000
Subtotal		$221,750
Contingency	@10%	$22,000
	Total Recommended Budget	**$243,750**

Signed and sealed by

R.J.Johnston, P.Geo.

Dated December 15, 2012

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10 CERTIFICATE of AUTHOR

R.J. Johnston P.Geo.
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bobjcnda@telus.net

I, R.J.Johnston, P.Geo., do hereby certify that:

1. I am currently employed as a Consulting Geologist by: Charles Martin, of Suite 1329- 550 West Hastings Street, Vancouver, BC, V6B 1L8

2. I graduated with a B.Sc. in Geology from the University Saskatchewan in 1982.

3. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia, License #109449.

4. I have worked as an exploration geologist since graduation from university. I supervised and participated in the exploration work carried out in 2012 as described in this report.

5. I am the author of the Assessment Report titled Soil and Rock Sampling; Assessment Report; Whipsaw Property; Similkameen Mining Division, British Columbia, dated December 15, 2012.

6. I have no personal interest, direct or indirect, with Charles Martin, or in the Whipsaw Creek property, nor do I expect to receive such interest.

_____

R.J.Johnston, P.Geo.
Dated December 15, 2012

11 STATEMENT OF EXPENDITURES

Field Work			
Bob Johnston	Sept 20-26/12	7 days x $575	$4025
	Oct 19-21/12	3 days x $575	$1725
Ron Dennett	Sept 20-26/12	7 days x $425	$2975
	Oct 19-21/12	3 days x $425	$1275
Truck Rental	Sept 20-26/12	7 days x $80	$560
	Oct 19-21/12	3 days x $80	$240
Expenses	Sept 20-26/12		$1411.18
	Oct 19-21/12		$699.22
Core Storage			$1200
Equipment Rentals			$198
Assays	317 soils		$6071
	23 rocks		$855.88
Maps			$806.25
Report Preparation		2 days x $575	$1150
		TOTAL	**$23191.53**

APPENDIX 1

ROCK SAMPLE DESCRIPTIONS AND GEOCHEMICAL CERTIFICATES

Rock Sample Descriptions

Sample ID	UTM_ E	UTM_ N	elev (m)	local grid N	local grid E	sample source	sample type	Sample Description	sample rock type	host rock
201501	663587	5460741	1653	410	8925	trench	grabs	0.75m zone of strong hem-lim alt with local strong ser-sil'n; eu py to 5%	gneiss	gneiss
201502	663319	5460622	1639			muck pile	grabs	local qtz-lim boxwork, local ser alt w/ py to 1%, incl coarse sp	gneiss	gneiss
201503	663321	5460592	1655			muck pile	grabs	qtz vn rubble to 0.25m in width?; strong Feox stain, local lim; diss sp, cp	qtz vn	gneiss
201504	663329	5460889	1679	585	8660	o/c	grabs	grabs across 10m area of bleached mica gneiss; local qtz vns with bk specks, tr py	gneiss	gneiss
201505	663312	5460836	1672	535	8640	o/c	grabs	grabs across weak bleached gneiss/schist with local glassy qtz with local lim stain	gneiss	gneiss
201506	663283	5460828	1669	525	8610	o/c	grabs	0.3m zone of strong lim alt around 5-10mm crystalline qtz vns with minor py	qtz vn	gneiss
201507	663097	5460669	1657			o/c	grab select	5cm qtz vn within zone of bn lim alt gneiss	qtz vn	gneiss
201508	663057	5460799	1675			o/c	grabs	grabs across 4m of old diggings? Of or-bn carb alt bleached granodiorite; strong lim on frax; minor qtz vns; bleached alt zone over 25m across	granodiorite	granodiorite
201509	662996	5460866	1682			o/c	grabs	grabs across 10m exposure of bleached strong lim alt granodiorite; lim on frax, minor qtz	granodiorite	granodiorite
201510	663013	5460832	1688	540	8360	o/c	grabs	grabs across 10m of strongly bleached lim alt granodiorite and local frothy, mass qtz vns to 1cm	granodiorite	granodiorite
201511	663192	5460739	1677			o/c	grabs	grabs across 3.5m long wall from face of portal; mafic gneiss with lim-Feox alt	gneiss	gneiss
201512	663195	5460738	1677			o/c	grabs	0.3m wide recessive zone of chl, ep, strong hem, local qtz; run // to foliation; located at W end of 201511	gneiss	gneiss
201513	663198	5460737	1677			o/c	grabs	25cm fol // qtz vn with abund musc; local open spaces; eu py to 1cm	qtz vn	gneiss
201514	663203	5460736	1677			muck pile	grabs	grabs from muck pile of bn-red strong Fe-Mnox stained frothy qtz vn frags; max size 20cm	qtz vn	gneiss
201515	663177	5460741	1679			o/c	grabs	grabs of 0.5m fol // zone of strong lim alt with 10, 25cm brown Fe-Mnox stained frothy qtz vns (sim to 201514 muck pile)	qtz vn	gneiss
201516	663137	5460635	1662			o/c	grab select	grabs of 25cm wide frothy qtz vn within zone of lim alt gneiss	qtz vn	gneiss
201517	664412	5460864	1643	575	9700	s/c	grabs	grabs across 2m rubble green chl-sil alt mafic gneiss with local py to 2%	gneiss	gneiss
201518	664669	5460789	1588			s/c	grabs	grabs from scarified landing area of v strong Fe-Mnox stained gneiss	gneiss	gneiss
201519	664699	5460819	1588			o/c	grabs	grabs across 5m of exposure of lim alt lt gy porphyry	porphyry	porphyry
201520	664319	5460865		575	9600	pit	grabs	grabs across 2m of Feox stained gneiss with abund py	gneiss	gneiss
201521	664668	5460802	1588			o/c	grab select	grabs of 1.5m zone of strong lim alt contain 2-3 cm qtz vn	qtz vn	gneiss
201522	664376	5460914	1630	625	9647	pit	grabs	grabs from muck pile of qtz vn mat to 0.25m; local py masses	qtz vn	gneiss
201523	664376	5460910	1630	625	9647	pit	grabs	grabs from muck pile; chl-sil alt gneiss with py to 3%; host rock of 201522 qtz vns	gneiss	gneiss

Rock Samples – Select Analytical Results

sample ID	Au ppb	Au opt assay	Mo ppm	Cu ppm	Pb ppm	Pb % assay	Zn ppm	Zn % assay	Ag ppm	Ag ppm assay	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Cr ppm	Ba ppm	W ppm	Hg ppm
201501	182		10	251	111		1835		5.9		25	14	1807	6.55	156	6.8	<3	<3	55	69	38	<2	<1
201502	981		2	4593	597		>10000	3.63	71		6	10	1946	6.5	238	204.7	3	<3	63	2	17	<2	<1
201503	>10000	10.5	<1	3150	74	0.1	>10000	1.59	>100.0	275	2	4	310	4.24	281	90.4	8	<3	3	5	7	<2	<1
201504	15		<1	46	<3		283		1.2		3	5	300	1.32	<2	0.8	<3	<3	11	2	47	<2	<1
201505	212		1	37	7		76		8.5		1	2	140	1.8	10	<0.5	<3	8	19	3	42	<2	<1
201506	449		1	867	25		195		57.6		<1	1	127	4.1	124	<0.5	<3	6	50	3	23	<2	<1
201507	23		<1	14	<3		56		1.2		2	3	198	2.1	5	<0.5	<3	3	13	4	123	<2	<1
201508	13		<1	66	5		127		0.9		2	4	292	1.87	7	<0.5	4	<3	14	2	33	<2	<1
201509	16		<1	66	4		49		0.6		1	3	132	2.15	5	<0.5	<3	4	19	4	40	<2	<1
201510	686		18	42	29		128		39.1		<1	1	95	2.81	80	<0.5	<3	<3	12	1	79	<2	<1
201511	607		4	489	18		867		34.5		6	4	432	3.9	16	3.9	<3	<3	60	12	102	4	<1
201512	593		6	1491	48		4147		39.1		4	29	3083	15.59	85	16	3	100	27	17	10	11	<1
201513	20		2	6	<3		39		0.6		<1	2	25	2.5	3	<0.5	<3	<3	16	3	53	<2	<1
201514	4880	4.9	22	1381	773		7349		>100.0	253	2	4	159	13.87	648	36.9	10	<3	27	11	20	6	<1
201515	881		25	2367	30		2392		54		2	3	310	20.27	105	6.5	5	37	25	8	4	<2	<1
201516	982		1	83	281		132		84.7		<1	<1	61	1.92	104	<0.5	119	36	4	2	42	<2	<1
201517	12		5	235	<3		41		1.1		8	7	209	2.42	3	<0.5	3	<3	79	22	34	2	<1
201518	69		2	516	>10000	1.65	3856	0.3	29.5		7	9	608	5.86	145	9.5	13	4	90	17	65	<2	<1
201519	6		<1	38	25		74		<0.3		6	7	481	1.64	<2	<0.5	<3	<3	16	4	61	<2	<1
201520	60		3	529	187		289		11.8		27	10	763	5.82	80	1.1	<3	<3	169	90	17	3	<1
201521	1259		10	288	3022		3713		58.2		9	28	1847	5.63	90	12.7	5	33	88	10	58	2	<1
201522	10		3	437	<3		67		1.6		11	8	114	2	6	<0.5	<3	<3	35	11	44	<2	<1
201523	10		15	667	<3		103		1.2		26	13	231	3.84	6	<0.5	<3	<3	127	42	200	<2	<1

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Martin, Charles**
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Submitted By: Charles Martin
Receiving Lab: Canada-Vancouver
Received: September 27, 2012
Report Date: October 22, 2012
Page: 1 of 8

CERTIFICATE OF ANALYSIS VAN12004587.1

CLIENT JOB INFORMATION

Project: WHIPSAW
Shipment ID: WS-001
P.O. Number
Number of Samples: 191

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	191	Dry at 60C			VAN
SS80	191	Dry at 60C sieve 100g to -80 mesh			VAN
1DX1	191	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Johnston, Bob
8 - 3789 Oak Street
Vancouver BC V6H 2M4
CANADA

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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Client: **Martin, Charles**
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Vancouver BC V6B 1L8 Canada

Project: WHIPSAW
Report Date: October 22, 2012

CERTIFICATE OF ANALYSIS VAN12004587.1

		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	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L325N 8200E	Soil		7.4	177.9	17.9	349	1.8	12.2	15.5	423	2.54	6.2	5.4	0.6	11	0.8	0.1	0.6	54	0.14	0.126	3
L325N 8225E	Soil		3.9	151.3	8.8	359	1.1	12.0	12.4	519	2.72	9.7	13.4	0.5	21	1.0	0.1	0.8	65	0.23	0.065	4
L325N 8250E	Soil		6.3	111.2	7.8	258	0.6	11.6	9.0	390	2.81	7.6	6.0	0.4	17	0.3	0.1	0.7	67	0.21	0.062	2
L325N 8275E	Soil		2.7	123.9	7.2	350	1.1	11.2	10.2	243	3.07	8.7	6.2	0.4	14	0.5	0.1	0.9	79	0.16	0.083	2
L325N 8300E	Soil		2.2	90.7	8.0	452	1.0	12.7	11.5	471	3.27	9.3	6.2	0.3	18	0.7	0.1	1.0	81	0.21	0.068	2
L325N 8325E	Soil		1.3	69.5	9.2	188	0.5	9.6	10.2	1345	3.12	5.7	5.3	0.5	12	0.6	0.1	0.6	68	0.23	0.117	2
L325N 8350E	Soil		1.5	40.6	5.4	112	0.3	6.9	7.9	380	2.85	4.0	2.5	0.9	7	0.2	0.1	0.3	59	0.09	0.100	3
L325N 8375E	Soil		1.0	34.4	7.5	169	0.3	6.9	13.2	1657	4.07	4.9	1.2	0.3	19	0.8	<0.1	0.4	87	0.45	0.200	2
L325N 8400E	Soil		1.2	55.0	7.4	204	0.4	7.9	10.5	813	3.49	6.8	3.1	0.8	11	0.6	0.1	0.8	71	0.18	0.130	4
L325N 8425E	Soil		0.8	52.1	12.8	206	1.7	5.3	12.4	1046	5.01	19.6	29.0	1.4	20	1.0	0.2	1.1	82	0.35	0.211	10
L325N 8450E	Soil		0.5	49.0	37.2	428	1.6	14.1	11.8	805	4.49	48.1	90.7	0.7	18	1.3	0.2	1.3	81	0.34	0.186	4
L325N 8475E	Soil		1.3	109.9	13.3	403	1.4	11.7	10.6	598	2.75	13.2	16.6	0.5	7	0.6	0.3	0.9	72	0.10	0.048	2
L325N 8500E	Soil		1.5	59.9	10.5	596	1.3	8.6	9.5	787	3.05	55.1	22.2	1.1	7	1.4	0.3	0.5	67	0.11	0.067	4
L325N 8525E	Soil		1.1	76.4	11.5	450	2.1	8.9	11.4	940	3.92	20.3	55.9	0.6	9	0.8	0.2	1.2	91	0.15	0.083	2
L325N 8550E	Soil		1.3	78.9	8.8	320	0.7	11.4	10.0	710	2.95	12.2	4.8	0.7	12	1.9	0.1	0.3	56	0.16	0.097	2
L325N 8575E	Soil		1.8	93.5	9.4	217	1.2	8.6	6.0	161	2.29	10.4	17.4	0.6	12	0.5	0.2	1.4	61	0.10	0.060	2
L325N 8600E	Soil		1.3	96.2	8.0	325	1.9	8.8	6.4	393	1.97	8.3	11.0	0.5	11	1.0	0.2	0.9	52	0.14	0.080	2
L325N 8625E	Soil		1.3	75.7	9.4	232	2.5	7.6	5.6	145	2.22	11.3	29.4	0.7	7	0.5	0.1	1.3	56	0.07	0.056	2
L325N 8650E	Soil		0.5	42.2	7.2	291	1.2	5.6	8.8	284	3.40	29.8	9.3	1.1	7	0.4	0.2	0.3	74	0.10	0.070	4
L325N 8675E	Soil		0.3	69.6	5.8	205	0.9	3.6	2.6	60	1.77	3.3	4.3	0.6	5	0.7	<0.1	0.2	42	0.05	0.064	1
L325N 8700E	Soil		0.5	29.3	5.3	210	1.1	5.5	4.7	132	1.82	3.2	5.1	0.5	5	0.6	<0.1	0.2	48	0.09	0.088	1
L325N 8725E	Soil		1.6	91.0	14.6	288	1.1	18.5	12.3	363	2.49	11.9	5.7	0.6	8	0.7	0.5	0.2	66	0.12	0.069	2
L325N 8750E	Soil		1.4	48.8	8.6	143	0.4	14.4	10.9	639	2.38	9.7	3.1	0.3	10	0.3	0.3	0.2	68	0.14	0.042	1
L375N 8200E	Soil		8.8	294.8	17.7	296	2.9	13.9	27.2	355	2.33	5.9	6.9	0.3	15	1.0	0.2	0.4	50	0.17	0.052	9
L375N 8225E	Soil		7.2	320.1	9.1	523	1.0	20.3	52.3	1230	2.49	4.9	2.8	0.3	18	1.7	0.1	0.4	50	0.25	0.117	7
L375N 8250E	Soil		7.1	76.0	7.7	109	0.4	10.4	8.2	268	2.38	6.5	3.9	0.8	9	0.3	0.1	0.4	51	0.10	0.073	3
L375N 8275E	Soil		17.0	178.1	22.0	225	2.0	15.0	16.3	379	2.42	6.6	6.6	0.4	16	0.3	0.2	0.3	47	0.20	0.046	6
L375N 8300E	Soil		3.9	134.2	9.1	267	2.0	14.5	9.3	569	2.46	6.2	5.5	0.7	18	0.4	0.1	0.5	51	0.21	0.046	10
L375N 8325E	Soil		1.5	54.9	6.4	109	0.4	8.8	6.5	510	2.23	4.5	3.4	0.6	6	0.2	0.1	0.3	51	0.08	0.082	2
L375N 8350E	Soil		2.8	156.9	7.3	164	0.6	15.3	10.9	634	2.99	7.4	9.5	0.7	10	0.2	0.1	0.6	70	0.12	0.096	3

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Project: WHIPSAW
Report Date: October 22, 2012

CERTIFICATE OF ANALYSIS VAN12004587.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L325N 8200E	Soil		20	0.46	113	0.092	<20	1.76	0.009	0.05	0.1	0.04	2.3	<0.1	<0.05	7	<0.5	0.5
L325N 8225E	Soil		19	0.59	155	0.102	<20	1.71	0.010	0.11	0.1	0.04	3.6	0.1	<0.05	7	<0.5	0.9
L325N 8250E	Soil		18	0.57	104	0.111	<20	1.58	0.010	0.07	0.1	0.02	2.9	<0.1	<0.05	7	<0.5	0.8
L325N 8275E	Soil		18	0.63	86	0.128	<20	1.87	0.010	0.09	0.1	0.02	3.2	<0.1	<0.05	9	<0.5	1.0
L325N 8300E	Soil		21	0.69	108	0.124	<20	1.74	0.010	0.08	<0.1	0.01	3.4	<0.1	0.07	8	<0.5	1.1
L325N 8325E	Soil		15	0.57	104	0.116	<20	1.70	0.008	0.08	0.1	0.04	2.8	<0.1	0.07	8	<0.5	0.7
L325N 8350E	Soil		12	0.42	73	0.120	<20	2.20	0.011	0.05	<0.1	0.05	2.7	<0.1	<0.05	9	<0.5	0.3
L325N 8375E	Soil		9	0.79	257	0.161	<20	1.75	0.009	0.20	<0.1	0.03	4.4	0.1	<0.05	9	<0.5	0.6
L325N 8400E	Soil		11	0.43	108	0.113	<20	1.65	0.009	0.07	<0.1	0.03	2.8	<0.1	0.07	8	<0.5	0.8
L325N 8425E	Soil		5	0.32	156	0.049	<20	1.33	0.005	0.12	<0.1	0.03	6.0	0.1	<0.05	6	<0.5	2.1
L325N 8450E	Soil		17	0.83	148	0.126	<20	1.86	0.008	0.14	0.2	0.03	3.4	0.1	0.06	9	<0.5	2.2
L325N 8475E	Soil		20	0.56	71	0.130	<20	1.63	0.011	0.05	0.1	0.03	2.4	<0.1	<0.05	7	<0.5	1.5
L325N 8500E	Soil		12	0.55	83	0.141	<20	2.26	0.011	0.12	0.2	0.03	4.3	0.2	<0.05	8	<0.5	1.3
L325N 8525E	Soil		16	0.85	148	0.188	<20	2.14	0.009	0.19	0.3	0.02	5.0	0.2	<0.05	8	<0.5	4.8
L325N 8550E	Soil		19	0.53	88	0.137	<20	1.87	0.010	0.06	<0.1	0.03	2.5	<0.1	0.07	8	<0.5	0.5
L325N 8575E	Soil		15	0.36	62	0.111	<20	1.69	0.011	0.06	<0.1	0.03	1.9	<0.1	<0.05	7	<0.5	2.0
L325N 8600E	Soil		15	0.34	70	0.089	<20	1.42	0.011	0.06	0.1	0.03	1.8	<0.1	<0.05	6	<0.5	1.3
L325N 8625E	Soil		14	0.32	55	0.105	<20	1.92	0.012	0.04	<0.1	0.03	2.1	<0.1	<0.05	6	<0.5	1.8
L325N 8650E	Soil		7	0.55	142	0.162	<20	2.05	0.009	0.14	<0.1	0.04	3.6	0.1	<0.05	10	<0.5	0.5
L325N 8675E	Soil		6	0.10	22	0.118	<20	1.69	0.012	0.02	<0.1	0.03	1.2	<0.1	<0.05	8	<0.5	<0.2
L325N 8700E	Soil		10	0.20	31	0.112	<20	1.55	0.011	0.04	<0.1	0.03	1.2	<0.1	<0.05	6	<0.5	0.3
L325N 8725E	Soil		34	0.64	62	0.104	<20	1.91	0.010	0.04	0.1	0.03	2.5	<0.1	<0.05	6	<0.5	0.6
L325N 8750E	Soil		27	0.51	68	0.107	<20	1.37	0.011	0.03	<0.1	0.02	1.9	<0.1	<0.05	6	<0.5	0.5
L375N 8200E	Soil		24	0.45	70	0.097	<20	1.57	0.011	0.04	0.1	0.04	3.2	0.1	<0.05	7	0.5	0.4
L375N 8225E	Soil		23	0.47	90	0.087	<20	1.76	0.011	0.05	<0.1	0.03	2.5	0.2	<0.05	6	<0.5	0.3
L375N 8250E	Soil		19	0.35	61	0.102	<20	1.82	0.010	0.04	0.2	0.04	2.1	<0.1	<0.05	7	<0.5	0.4
L375N 8275E	Soil		18	0.48	87	0.106	<20	1.70	0.011	0.05	<0.1	0.04	2.3	0.1	<0.05	8	<0.5	0.2
L375N 8300E	Soil		23	0.40	123	0.110	<20	1.94	0.015	0.04	0.1	0.04	3.0	0.1	<0.05	9	<0.5	0.3
L375N 8325E	Soil		17	0.31	46	0.099	<20	1.69	0.008	0.03	<0.1	0.03	1.9	<0.1	<0.05	7	<0.5	0.4
L375N 8350E	Soil		28	0.62	108	0.125	<20	2.20	0.009	0.07	0.1	0.03	3.7	<0.1	<0.05	8	<0.5	0.8

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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	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L375N 8375E	Soil		5.5	159.0	7.7	221	2.1	10.9	10.1	295	3.32	6.0	24.9	1.7	9	0.3	0.1	1.0	67	0.11	0.117	5
L375N 8400E	Soil		4.9	85.9	7.6	599	1.1	12.5	11.6	659	2.73	6.8	5.0	0.9	9	1.1	0.1	0.8	57	0.14	0.089	4
L375N 8425E	Soil		3.3	53.0	7.3	159	0.8	10.9	19.2	635	5.24	9.5	2.8	0.6	14	0.3	0.1	0.6	140	0.19	0.048	3
L375N 8450E	Soil		1.2	98.9	33.2	480	4.2	20.4	16.7	751	4.09	19.4	177.6	0.6	9	0.9	0.2	5.6	110	0.15	0.061	2
L375N 8475E	Soil		0.8	19.9	4.5	121	0.6	3.3	5.9	279	1.67	8.8	2.1	0.6	5	0.2	<0.1	0.2	43	0.05	0.051	3
L375N 8500E	Soil		0.6	18.8	4.9	113	0.2	5.3	5.9	536	2.07	5.4	1.4	0.8	5	0.2	0.1	0.1	53	0.06	0.077	2
L375N 8525E	Soil		1.0	27.3	8.7	277	1.0	6.4	7.2	559	2.33	6.3	10.5	1.5	8	0.8	0.3	0.3	52	0.07	0.101	3
L375N 8550E	Soil		2.2	101.8	25.1	1357	20.3	8.2	8.1	346	4.73	58.3	512.0	1.1	11	1.9	0.7	2.4	95	0.14	0.082	4
L375N 8575E	Soil		0.6	73.7	6.7	537	1.8	8.6	10.7	417	3.21	7.0	54.4	1.1	9	1.3	0.2	0.7	99	0.14	0.080	2
L375N 8600E	Soil		0.7	36.8	7.1	324	1.3	6.6	7.5	411	2.44	8.0	12.3	1.0	8	0.7	0.2	0.9	66	0.08	0.077	2
L375N 8625E	Soil		0.6	27.4	7.2	134	0.9	4.3	4.5	551	2.23	17.4	45.9	0.5	10	0.9	0.1	0.7	62	0.09	0.090	2
L375N 8650E	Soil		0.7	35.2	8.0	309	1.1	8.2	5.4	232	2.24	5.2	4.4	1.4	6	0.9	0.2	0.3	56	0.06	0.085	2
L375N 8675E	Soil		0.5	31.8	6.4	209	1.2	5.9	4.8	297	1.90	3.7	6.6	1.0	6	0.5	0.1	0.3	53	0.07	0.068	2
L375N 8700E	Soil		1.0	175.5	10.5	578	1.6	14.7	12.7	707	2.28	7.3	20.0	0.9	10	1.2	0.2	0.2	51	0.11	0.052	5
L375N 8725E	Soil		1.0	38.5	8.6	298	1.2	8.7	6.5	230	2.15	13.1	2.8	0.7	7	0.8	0.2	0.3	53	0.09	0.077	2
L375N 8750E	Soil		1.4	86.7	11.3	205	0.9	15.6	11.7	268	2.76	8.8	2.1	0.9	12	0.4	0.3	0.2	74	0.15	0.064	2
L375N 8775E	Soil		2.4	215.4	23.9	273	1.0	28.3	12.5	403	2.91	15.4	9.4	1.0	14	0.6	0.7	0.3	72	0.16	0.077	3
L425N 8200E	Soil		8.5	194.0	9.1	273	1.0	17.1	24.3	305	2.22	2.8	5.3	0.5	30	1.1	0.2	0.4	49	0.25	0.047	6
L425N 8225E	Soil		5.5	79.3	8.3	161	0.3	14.5	9.9	734	2.47	4.4	4.8	0.7	18	1.1	0.1	0.4	55	0.15	0.117	3
L425N 8250E	Soil		8.6	111.3	7.7	320	0.9	20.3	11.7	443	2.62	3.8	1.5	0.6	29	0.7	0.2	0.4	57	0.26	0.054	6
L425N 8275E	Soil		2.1	50.9	6.6	264	0.3	11.9	7.1	300	2.61	3.2	<0.5	0.4	20	1.0	<0.1	0.3	60	0.19	0.108	2
L425N 8300E	Soil		2.3	119.7	12.1	236	0.4	15.8	9.7	366	3.06	10.1	5.5	0.6	18	0.9	0.2	0.6	62	0.19	0.109	3
L425N 8325E	Soil		4.1	95.0	8.2	232	0.7	14.8	10.9	722	2.73	6.5	3.6	0.6	16	0.7	0.1	0.6	61	0.18	0.076	3
L425N 8350E	Soil		8.2	98.5	8.2	157	0.9	13.6	9.0	792	2.62	6.4	8.9	0.9	12	0.3	0.2	0.7	61	0.11	0.062	3
L425N 8375E	Soil		2.2	99.0	16.7	241	0.7	14.1	11.9	896	2.98	13.2	3.7	1.0	16	0.8	0.3	0.8	68	0.15	0.067	4
L425N 8400E	Soil		0.8	39.6	6.2	224	0.5	10.3	15.0	1036	4.17	3.2	2.1	0.7	10	0.5	0.1	0.4	116	0.13	0.068	2
L425N 8425E	Soil		0.9	114.7	16.7	704	2.5	18.0	17.3	577	5.14	36.8	7.3	1.0	12	1.3	0.5	2.0	145	0.16	0.086	5
L425N 8450E	Soil		3.0	85.0	13.5	248	1.8	11.5	7.5	418	2.96	15.9	17.8	2.0	9	0.6	0.3	0.9	58	0.09	0.110	3
L425N 8475E	Soil		0.7	19.8	7.6	192	0.1	7.9	8.0	762	3.20	4.6	<0.5	1.2	8	0.4	0.1	0.2	72	0.09	0.115	2
L425N 8500E	Soil		1.4	33.9	7.3	246	1.1	7.5	7.4	396	2.78	8.0	9.5	0.8	9	0.4	0.2	0.4	71	0.12	0.079	2

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		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L375N 8375E	Soil		16	0.49	88	0.127	<20	2.47	0.010	0.07	0.1	0.05	3.2	<0.1	<0.05	9	<0.5	1.9
L375N 8400E	Soil		12	0.41	87	0.128	<20	1.91	0.011	0.07	<0.1	0.03	2.8	0.1	<0.05	8	<0.5	0.7
L375N 8425E	Soil		15	0.88	149	0.098	<20	2.19	0.008	0.17	<0.1	0.01	10.9	0.2	<0.05	8	<0.5	0.7
L375N 8450E	Soil		31	0.98	105	0.177	<20	2.30	0.010	0.11	0.2	0.03	3.8	0.2	<0.05	9	<0.5	7.3
L375N 8475E	Soil		7	0.15	23	0.096	<20	1.47	0.011	0.02	<0.1	0.04	1.3	<0.1	<0.05	6	<0.5	<0.2
L375N 8500E	Soil		8	0.27	52	0.131	<20	1.96	0.012	0.07	<0.1	0.04	2.4	0.1	<0.05	7	<0.5	<0.2
L375N 8525E	Soil		10	0.29	63	0.151	<20	2.41	0.013	0.04	0.2	0.05	2.6	0.1	<0.05	8	<0.5	0.3
L375N 8550E	Soil		12	0.72	101	0.134	<20	2.70	0.010	0.08	0.6	0.06	4.7	0.3	<0.05	10	<0.5	24.8
L375N 8575E	Soil		10	0.60	62	0.225	<20	2.33	0.017	0.08	0.1	0.02	3.9	0.2	<0.05	8	<0.5	2.0
L375N 8600E	Soil		9	0.31	59	0.162	<20	1.94	0.016	0.05	0.1	0.02	2.4	<0.1	<0.05	8	<0.5	1.3
L375N 8625E	Soil		8	0.19	99	0.129	<20	1.26	0.013	0.03	<0.1	0.03	2.1	<0.1	<0.05	7	<0.5	0.7
L375N 8650E	Soil		12	0.25	49	0.149	<20	2.58	0.013	0.03	<0.1	0.04	2.0	<0.1	<0.05	8	<0.5	0.3
L375N 8675E	Soil		10	0.22	44	0.144	<20	1.90	0.013	0.03	<0.1	0.03	1.8	<0.1	<0.05	7	<0.5	0.3
L375N 8700E	Soil		14	0.39	48	0.149	<20	1.82	0.020	0.05	<0.1	0.03	3.5	0.1	<0.05	8	<0.5	0.4
L375N 8725E	Soil		12	0.28	58	0.130	<20	1.56	0.014	0.05	0.1	0.04	2.1	0.1	<0.05	8	<0.5	0.4
L375N 8750E	Soil		26	0.53	59	0.174	<20	2.30	0.014	0.04	0.1	0.03	2.6	<0.1	<0.05	8	<0.5	0.5
L375N 8775E	Soil		54	0.86	61	0.129	<20	2.56	0.011	0.04	0.1	0.04	4.0	<0.1	<0.05	7	<0.5	1.3
L425N 8200E	Soil		30	0.56	128	0.105	<20	1.99	0.015	0.05	<0.1	0.05	2.8	0.1	<0.05	8	<0.5	<0.2
L425N 8225E	Soil		27	0.51	108	0.112	<20	1.99	0.012	0.06	<0.1	0.04	2.8	<0.1	<0.05	7	<0.5	0.3
L425N 8250E	Soil		31	0.60	106	0.118	<20	1.89	0.013	0.06	<0.1	0.04	3.3	<0.1	<0.05	8	<0.5	0.3
L425N 8275E	Soil		18	0.46	111	0.135	<20	1.70	0.011	0.06	<0.1	0.02	2.3	<0.1	<0.05	9	<0.5	0.3
L425N 8300E	Soil		27	0.58	111	0.103	<20	2.22	0.008	0.09	0.1	0.04	3.1	<0.1	<0.05	8	<0.5	0.7
L425N 8325E	Soil		26	0.51	85	0.113	<20	1.70	0.010	0.06	0.1	0.03	2.7	<0.1	<0.05	7	<0.5	0.6
L425N 8350E	Soil		24	0.50	77	0.124	<20	1.98	0.014	0.05	0.1	0.04	3.1	<0.1	<0.05	7	<0.5	0.8
L425N 8375E	Soil		24	0.52	122	0.134	<20	1.96	0.011	0.06	0.1	0.03	3.9	0.1	<0.05	7	<0.5	0.9
L425N 8400E	Soil		13	0.80	183	0.237	<20	2.40	0.014	0.20	<0.1	0.02	5.9	0.2	<0.05	10	<0.5	0.2
L425N 8425E	Soil		24	1.22	150	0.213	<20	2.90	0.009	0.34	0.2	0.03	11.7	0.2	<0.05	10	<0.5	2.6
L425N 8450E	Soil		17	0.37	54	0.165	<20	3.65	0.012	0.05	0.2	0.08	3.1	<0.1	<0.05	9	<0.5	0.9
L425N 8475E	Soil		16	0.54	82	0.243	<20	2.62	0.012	0.11	<0.1	0.03	3.8	0.1	<0.05	10	<0.5	<0.2
L425N 8500E	Soil		13	0.54	65	0.184	<20	2.00	0.013	0.07	<0.1	0.03	3.2	<0.1	<0.05	9	<0.5	0.6

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Project: WHIPSAW
Report Date: October 22, 2012

CERTIFICATE OF ANALYSIS VAN12004587.1

		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	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L425N 8525E	Soil		1.7	33.1	7.9	462	0.7	6.0	4.6	268	2.88	9.0	8.1	0.9	9	0.4	0.2	0.3	61	0.09	0.109	2
L425N 8550E	Soil		1.2	83.7	7.3	323	1.9	12.9	9.1	266	2.66	9.5	10.4	0.7	11	0.8	0.2	0.7	72	0.15	0.062	2
L425N 8575E	Soil		0.7	31.8	5.6	127	0.9	5.4	5.9	346	2.25	4.4	5.6	0.6	8	0.2	0.2	0.5	60	0.09	0.052	1
L425N 8600E	Soil		0.6	12.1	4.1	57	0.5	3.8	4.0	225	1.87	2.4	4.0	0.6	6	<0.1	0.1	0.2	52	0.05	0.045	2
L425N 8625E	Soil		1.1	112.1	8.9	838	2.7	10.9	9.1	234	2.57	9.8	25.5	1.0	10	1.4	0.2	1.1	64	0.13	0.046	2
L425N 8650E	Soil		0.4	584.6	9.7	344	3.9	8.2	16.9	143	1.38	6.6	42.8	1.2	9	0.6	0.1	0.5	33	0.09	0.066	7
L425N 8675E	Soil		0.6	46.6	6.7	168	1.0	9.6	6.7	279	2.17	4.8	13.0	0.9	10	0.3	0.2	0.4	57	0.10	0.059	2
L425N 8700E	Soil		0.3	41.9	5.4	181	1.7	5.8	5.6	140	2.40	3.8	3.3	0.6	5	0.5	0.1	0.1	69	0.09	0.065	2
L425N 8725E	Soil		0.4	39.7	6.7	324	0.6	10.0	7.4	164	2.18	3.2	0.6	0.5	8	0.3	0.1	0.3	60	0.11	0.046	1
L425N 8750E	Soil		0.7	45.4	6.7	134	1.2	6.4	4.8	200	1.87	3.6	4.2	0.9	7	0.3	0.1	0.3	47	0.09	0.075	2
L425N 8775E	Soil		0.5	42.1	6.4	182	0.8	9.0	6.2	289	1.92	3.5	3.3	0.4	11	0.4	0.1	0.3	51	0.15	0.072	1
L425N 8800E	Soil		1.7	58.9	8.0	468	2.2	19.0	9.4	291	1.98	4.0	13.4	0.6	9	0.8	0.1	0.2	55	0.14	0.036	3
L475N 8200E	Soil		3.8	68.8	5.0	107	0.4	13.4	9.5	492	2.37	3.0	1.8	0.5	9	0.5	<0.1	0.3	60	0.12	0.080	2
L475N 8225E	Soil		5.8	115.0	6.1	113	0.6	18.8	10.7	292	2.64	5.4	2.5	0.9	13	0.2	<0.1	0.4	60	0.10	0.074	4
L475N 8250E	Soil		14.8	104.6	5.6	378	0.6	17.0	21.8	626	2.43	3.8	2.4	0.4	18	0.8	<0.1	0.4	57	0.22	0.033	6
L475N 8275E	Soil		3.4	63.7	5.8	148	0.6	11.0	6.4	174	2.07	3.3	3.1	0.5	11	0.4	<0.1	0.3	48	0.12	0.060	3
L475N 8300E	Soil		2.1	76.9	6.9	171	0.5	15.9	9.6	312	2.58	5.2	1.6	0.6	12	0.2	0.1	0.4	57	0.15	0.089	3
L475N 8325E	Soil		3.7	58.4	6.7	313	0.6	13.1	9.8	647	2.54	5.0	8.2	0.5	16	1.1	0.1	0.4	54	0.17	0.061	3
L475N 8350E	Soil		2.4	136.7	7.3	248	1.1	13.3	12.1	557	3.52	8.5	11.6	2.5	10	0.6	0.1	0.7	70	0.13	0.108	6
L475N 8375E	Soil		3.0	155.1	7.5	258	0.8	23.4	14.9	714	3.13	8.6	2.7	0.7	15	0.6	0.2	0.6	79	0.15	0.046	3
L475N 8400E	Soil		2.7	101.8	7.2	462	1.6	14.8	13.0	575	2.95	10.1	8.7	0.5	9	1.0	0.2	1.4	76	0.11	0.065	2
L475N 8425E	Soil		3.0	59.1	9.2	266	0.5	10.1	7.3	467	2.32	5.2	2.0	0.6	8	0.7	0.1	0.5	50	0.11	0.064	2
L475N 8450E	Soil		2.0	50.9	8.5	119	0.7	7.9	6.3	368	2.73	5.7	5.8	1.2	7	0.2	0.2	0.4	60	0.07	0.135	3
L475N 8475E	Soil		2.1	92.2	14.0	371	1.6	8.8	9.9	267	2.64	9.5	41.2	1.2	8	0.5	0.2	1.9	57	0.09	0.077	5
L475N 8500E	Soil		5.8	101.0	83.7	796	4.2	8.7	10.7	449	3.35	76.4	105.5	0.7	8	1.1	3.8	2.0	69	0.12	0.062	2
L475N 8525E	Soil		1.7	115.2	5.0	153	0.9	14.7	8.2	215	2.33	7.4	11.2	0.6	8	0.3	0.1	0.4	65	0.09	0.054	2
L475N 8550E	Soil		3.1	171.9	7.1	244	2.1	21.8	13.9	227	2.65	13.7	25.2	0.7	12	0.5	0.2	0.8	70	0.12	0.052	3
L475N 8575E	Soil		0.8	29.6	5.0	206	0.6	6.8	6.5	196	2.08	7.8	6.4	0.5	4	0.3	<0.1	0.3	61	0.06	0.069	1
L475N 8600E	Soil		0.7	43.5	5.0	170	0.9	5.9	6.1	205	1.99	4.2	3.1	0.8	4	0.2	0.1	0.1	54	0.06	0.082	1
L475N 8625E	Soil		0.9	39.3	8.2	226	1.1	3.5	3.5	522	1.88	10.3	12.4	0.6	6	0.6	0.1	0.6	34	0.12	0.042	3

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		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L425N 8525E	Soil		10	0.35	58	0.158	<20	2.16	0.013	0.05	<0.1	0.14	2.1	<0.1	<0.05	8	<0.5	1.0
L425N 8550E	Soil		23	0.47	61	0.141	<20	2.00	0.017	0.05	<0.1	0.04	2.9	<0.1	<0.05	7	<0.5	1.2
L425N 8575E	Soil		9	0.23	38	0.151	<20	1.51	0.013	0.05	<0.1	0.03	2.0	<0.1	<0.05	7	<0.5	0.7
L425N 8600E	Soil		8	0.11	21	0.124	<20	1.21	0.015	0.02	<0.1	0.04	1.6	<0.1	<0.05	6	<0.5	<0.2
L425N 8625E	Soil		11	0.36	62	0.157	<20	1.84	0.016	0.05	0.1	0.04	2.8	<0.1	<0.05	7	<0.5	1.9
L425N 8650E	Soil		9	0.29	26	0.136	<20	2.55	0.022	0.03	<0.1	0.03	4.2	0.1	<0.05	7	<0.5	0.5
L425N 8675E	Soil		16	0.35	48	0.136	<20	2.01	0.016	0.03	0.1	0.03	2.0	<0.1	<0.05	7	<0.5	0.5
L425N 8700E	Soil		6	0.21	36	0.142	<20	1.46	0.018	0.03	<0.1	0.03	2.5	<0.1	<0.05	7	<0.5	0.2
L425N 8725E	Soil		13	0.41	42	0.166	<20	1.50	0.015	0.04	<0.1	0.02	2.0	<0.1	<0.05	8	<0.5	0.3
L425N 8750E	Soil		11	0.24	40	0.137	<20	2.04	0.015	0.04	0.1	0.04	1.9	<0.1	<0.05	7	<0.5	0.4
L425N 8775E	Soil		15	0.32	60	0.126	<20	1.48	0.015	0.05	0.1	0.02	2.1	<0.1	<0.05	6	<0.5	0.3
L425N 8800E	Soil		37	0.47	44	0.151	<20	1.44	0.020	0.03	<0.1	0.03	2.2	<0.1	<0.05	7	<0.5	0.2
L475N 8200E	Soil		24	0.49	88	0.107	<20	1.66	0.008	0.05	0.1	0.03	2.0	<0.1	<0.05	6	<0.5	<0.2
L475N 8225E	Soil		35	0.61	99	0.097	<20	2.14	0.009	0.06	0.1	0.02	2.8	<0.1	<0.05	7	<0.5	0.3
L475N 8250E	Soil		31	0.65	83	0.097	<20	1.76	0.013	0.04	<0.1	0.02	2.5	<0.1	0.06	7	<0.5	0.2
L475N 8275E	Soil		21	0.37	89	0.091	<20	1.53	0.010	0.04	<0.1	0.04	1.9	<0.1	<0.05	7	<0.5	0.2
L475N 8300E	Soil		29	0.48	99	0.092	<20	1.82	0.010	0.05	0.2	0.03	2.3	<0.1	<0.05	7	<0.5	0.4
L475N 8325E	Soil		23	0.43	110	0.083	<20	1.68	0.010	0.05	0.1	0.03	1.9	<0.1	<0.05	7	<0.5	0.5
L475N 8350E	Soil		25	0.59	99	0.113	<20	2.07	0.009	0.07	0.1	0.04	3.4	<0.1	0.07	8	<0.5	1.0
L475N 8375E	Soil		44	0.83	130	0.116	<20	2.26	0.009	0.09	<0.1	0.03	4.0	0.1	<0.05	7	<0.5	0.6
L475N 8400E	Soil		28	0.59	80	0.116	<20	1.86	0.009	0.06	0.1	0.03	2.7	<0.1	<0.05	7	<0.5	1.4
L475N 8425E	Soil		19	0.46	64	0.106	<20	1.85	0.010	0.05	0.1	0.03	2.3	<0.1	<0.05	7	<0.5	0.5
L475N 8450E	Soil		12	0.36	55	0.146	<20	2.66	0.010	0.07	0.1	0.05	2.6	<0.1	<0.05	10	<0.5	0.5
L475N 8475E	Soil		16	0.41	56	0.143	<20	2.39	0.014	0.09	0.2	0.04	3.7	0.2	<0.05	8	<0.5	1.6
L475N 8500E	Soil		12	0.34	59	0.086	<20	1.54	0.009	0.05	1.0	0.04	3.0	0.2	<0.05	7	<0.5	5.8
L475N 8525E	Soil		30	0.43	45	0.109	<20	1.74	0.011	0.04	0.1	0.03	2.2	<0.1	<0.05	6	<0.5	0.7
L475N 8550E	Soil		37	0.70	86	0.108	<20	1.96	0.009	0.07	0.1	0.03	2.9	<0.1	<0.05	6	<0.5	1.4
L475N 8575E	Soil		8	0.31	45	0.135	<20	1.49	0.011	0.04	<0.1	0.02	1.3	<0.1	<0.05	7	<0.5	0.4
L475N 8600E	Soil		8	0.26	33	0.139	<20	1.98	0.012	0.04	0.1	0.04	1.5	<0.1	<0.05	7	<0.5	0.2
L475N 8625E	Soil		5	0.08	58	0.032	<20	0.99	0.007	0.05	0.1	0.02	0.8	<0.1	<0.05	5	<0.5	1.0

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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	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L475N 8650E	Soil	0.8	49.6	6.6	183	0.9	8.4	6.5	362	2.26	6.4	5.7	0.7	6	0.3	0.2	0.6	62	0.09	0.060	2
L475N 8675E	Soil	0.9	64.6	6.5	293	1.9	10.5	10.8	248	2.80	15.4	7.3	0.9	6	0.3	0.1	0.4	76	0.09	0.062	2
L475N 8700E	Soil	1.0	52.9	8.4	344	1.3	10.9	9.3	283	2.68	6.8	8.5	0.9	5	0.3	0.1	0.3	69	0.07	0.087	2
L525N 8200E	Soil	5.9	165.4	45.3	340	0.7	18.3	13.3	522	2.86	8.6	6.0	0.7	12	0.7	0.2	0.6	63	0.13	0.078	4
L525N 8225E	Soil	3.8	124.3	6.5	245	0.5	19.0	12.3	530	2.49	5.2	1.7	0.4	15	0.6	<0.1	0.4	57	0.16	0.080	3
L525N 8250E	Soil	5.2	94.3	7.5	140	0.6	16.9	9.7	604	2.40	5.5	1.1	0.6	11	0.5	0.1	0.4	54	0.11	0.073	3
L525N 8275E	Soil	4.9	175.6	6.2	265	0.7	11.8	8.2	257	2.29	3.9	3.3	0.5	16	0.9	<0.1	0.4	49	0.19	0.048	8
L525N 8300E	Soil	3.5	68.9	6.2	173	0.6	14.0	9.1	287	2.44	5.2	1.0	0.5	13	0.3	0.1	0.5	55	0.13	0.057	3
L525N 8325E	Soil	3.4	111.4	9.1	204	1.0	16.2	12.4	549	2.58	11.8	18.2	0.5	16	0.6	0.2	0.7	52	0.13	0.073	4
L525N 8350E	Soil	4.3	72.9	9.8	154	1.2	6.1	5.4	606	4.55	10.9	13.7	0.7	14	0.3	0.2	0.5	94	0.07	0.067	4
L525N 8375E	Soil	3.1	164.1	7.6	389	0.8	21.6	17.3	815	2.84	19.4	6.1	1.0	11	0.8	0.2	0.5	68	0.09	0.071	4
L525N 8400E	Soil	3.3	371.0	7.9	674	1.8	33.4	34.9	1536	2.45	5.1	11.1	0.6	18	2.3	0.1	0.6	55	0.28	0.087	9
L525N 8425E	Soil	2.2	42.3	18.4	138	3.3	5.0	3.7	183	2.40	13.0	33.2	0.6	6	0.3	0.2	2.3	58	0.06	0.061	2
L525N 8450E	Soil	1.2	28.2	12.0	154	0.8	6.0	4.4	397	2.48	8.8	7.5	0.9	7	0.5	0.2	0.6	51	0.07	0.090	3
L525N 8475E	Soil	3.1	69.1	8.0	701	2.2	10.5	8.4	371	2.72	11.7	15.5	0.8	8	1.0	0.2	1.2	60	0.14	0.069	3
L525N 8500E	Soil	2.3	143.3	6.6	386	1.0	18.6	14.8	398	2.90	10.2	36.6	0.4	12	1.1	0.2	1.0	83	0.15	0.046	2
L525N 8525E	Soil	2.6	79.6	5.7	209	1.1	14.2	10.4	224	2.37	5.0	6.0	0.8	8	0.5	0.1	0.4	64	0.10	0.059	2
L525N 8550E	Soil	0.6	38.6	4.0	155	0.8	6.0	7.3	500	1.85	3.3	2.6	0.5	5	0.5	<0.1	0.2	52	0.06	0.090	1
L525N 8575E	Soil	0.9	91.6	6.0	126	1.4	4.9	4.3	356	1.64	3.6	37.0	1.0	5	0.4	0.1	0.3	38	0.05	0.073	3
L525N 8600E	Soil	1.6	106.3	21.6	277	4.8	7.0	5.1	177	2.74	30.6	38.7	1.5	5	0.4	0.3	1.3	55	0.06	0.093	2
L525N 8625E	Soil	0.8	86.4	11.2	400	5.3	11.5	9.9	241	3.19	9.7	110.8	1.2	8	0.5	0.2	1.2	66	0.09	0.076	2
L525N 8650E	Soil	1.3	137.1	6.0	162	1.0	10.9	10.3	331	3.49	7.3	9.8	1.2	10	0.4	0.2	0.8	89	0.11	0.080	4
L575N 8200E	Soil	4.1	97.7	10.6	217	0.7	13.5	13.7	337	2.33	3.7	11.8	0.5	12	0.4	0.1	0.6	51	0.11	0.068	4
L575N 8225E	Soil	2.5	75.9	11.1	137	1.6	10.0	8.6	507	2.53	6.1	5.0	0.5	8	0.3	0.1	0.5	49	0.08	0.120	3
L575N 8250E	Soil	4.2	277.1	7.3	266	1.6	16.5	47.0	888	2.31	6.7	11.2	0.8	9	0.6	0.2	0.5	48	0.10	0.107	7
L575N 8275E	Soil	5.3	103.6	6.7	179	0.6	17.6	10.3	353	2.46	7.1	2.5	0.6	13	0.4	0.1	0.6	55	0.10	0.057	3
L575N 8300E	Soil	3.3	103.3	7.0	171	0.8	12.7	10.1	530	3.05	9.3	12.1	0.7	16	0.5	0.2	2.7	55	0.12	0.056	4
L575N 8325E	Soil	2.4	75.6	6.7	148	0.4	14.0	10.0	435	2.68	6.8	1.4	0.6	11	0.4	0.1	0.5	65	0.09	0.045	3
L575N 8350E	Soil	2.5	130.3	5.9	211	1.0	18.5	15.4	426	2.37	5.8	5.4	0.7	12	0.5	0.1	0.6	58	0.13	0.069	3
L575N 8375E	Soil	1.8	73.6	5.9	225	0.6	17.0	10.2	523	2.42	4.9	6.1	0.5	10	0.6	0.1	0.5	56	0.12	0.068	2

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1329 - 510 W. Hastings Street
Vancouver BC V6B 1L8 Canada

Project: WHIPSAW
Report Date: October 22, 2012

CERTIFICATE OF ANALYSIS VAN12004587.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L475N 8650E	Soil		12	0.36	45	0.122	<20	1.94	0.012	0.05	0.1	0.04	2.0	<0.1	<0.05	7	<0.5	0.9
L475N 8675E	Soil		13	0.45	59	0.154	<20	2.24	0.012	0.06	0.1	0.04	2.3	0.1	<0.05	8	<0.5	0.7
L475N 8700E	Soil		14	0.39	54	0.145	<20	2.61	0.010	0.06	0.1	0.05	1.9	0.1	<0.05	8	<0.5	0.6
L525N 8200E	Soil		35	0.61	79	0.096	<20	2.03	0.009	0.06	0.2	0.03	3.0	<0.1	<0.05	7	<0.5	0.6
L525N 8225E	Soil		35	0.56	93	0.089	<20	1.78	0.009	0.06	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	0.3
L525N 8250E	Soil		33	0.48	84	0.086	<20	1.81	0.009	0.04	0.1	0.04	2.1	<0.1	<0.05	6	<0.5	0.4
L525N 8275E	Soil		22	0.44	65	0.082	<20	1.44	0.009	0.04	<0.1	0.03	2.1	<0.1	<0.05	7	<0.5	0.3
L525N 8300E	Soil		26	0.45	86	0.075	<20	1.64	0.008	0.05	0.1	0.04	2.2	<0.1	<0.05	6	<0.5	0.4
L525N 8325E	Soil		33	0.55	91	0.064	<20	1.67	0.009	0.06	0.2	0.05	2.5	<0.1	<0.05	6	<0.5	0.8
L525N 8350E	Soil		12	0.50	128	0.089	<20	1.93	0.011	0.13	<0.1	0.03	5.3	0.1	<0.05	8	0.7	0.8
L525N 8375E	Soil		40	0.64	100	0.118	<20	2.36	0.010	0.07	0.1	0.05	4.2	0.1	<0.05	7	<0.5	0.6
L525N 8400E	Soil		32	0.61	86	0.093	<20	2.28	0.012	0.06	0.1	0.04	4.3	0.3	<0.05	7	0.7	0.4
L525N 8425E	Soil		10	0.24	61	0.108	<20	1.63	0.011	0.05	0.1	0.04	1.8	<0.1	<0.05	7	<0.5	3.3
L525N 8450E	Soil		10	0.19	49	0.097	<20	2.01	0.010	0.04	0.3	0.04	1.7	<0.1	<0.05	8	<0.5	1.0
L525N 8475E	Soil		15	0.42	64	0.110	<20	2.01	0.010	0.06	0.3	0.03	3.1	0.1	<0.05	8	<0.5	2.8
L525N 8500E	Soil		36	0.71	96	0.137	<20	1.90	0.010	0.09	0.1	0.02	2.7	<0.1	<0.05	7	<0.5	1.6
L525N 8525E	Soil		26	0.50	67	0.135	<20	2.01	0.011	0.07	0.1	0.04	2.3	<0.1	<0.05	7	<0.5	0.4
L525N 8550E	Soil		11	0.24	35	0.116	<20	1.45	0.011	0.04	<0.1	0.03	1.2	<0.1	<0.05	6	<0.5	<0.2
L525N 8575E	Soil		9	0.14	29	0.092	<20	1.97	0.011	0.03	0.1	0.03	1.5	<0.1	<0.05	6	<0.5	0.5
L525N 8600E	Soil		11	0.24	39	0.132	<20	2.98	0.011	0.03	0.2	0.05	2.3	<0.1	<0.05	8	<0.5	3.0
L525N 8625E	Soil		15	0.59	73	0.129	<20	2.50	0.008	0.07	0.5	0.04	2.9	<0.1	<0.05	8	<0.5	3.1
L525N 8650E	Soil		15	0.67	100	0.152	<20	2.35	0.013	0.11	0.2	0.03	4.0	0.1	<0.05	8	<0.5	1.1
L575N 8200E	Soil		27	0.48	69	0.090	<20	1.55	0.010	0.04	0.1	0.03	2.0	<0.1	<0.05	7	<0.5	0.6
L575N 8225E	Soil		21	0.37	64	0.084	<20	2.07	0.009	0.04	0.2	0.05	2.0	<0.1	<0.05	7	<0.5	0.8
L575N 8250E	Soil		31	0.44	49	0.076	<20	2.48	0.009	0.05	0.1	0.03	3.8	0.1	<0.05	6	<0.5	0.5
L575N 8275E	Soil		34	0.56	77	0.079	<20	1.84	0.008	0.05	0.1	0.02	2.4	<0.1	<0.05	6	<0.5	0.5
L575N 8300E	Soil		22	0.41	107	0.064	<20	1.72	0.007	0.07	0.2	0.03	2.5	<0.1	<0.05	6	<0.5	1.7
L575N 8325E	Soil		27	0.49	86	0.107	<20	1.77	0.008	0.07	0.1	0.02	3.1	<0.1	<0.05	7	<0.5	0.4
L575N 8350E	Soil		32	0.52	66	0.097	<20	2.05	0.010	0.06	0.2	0.03	3.0	0.1	<0.05	6	<0.5	0.5
L575N 8375E	Soil		29	0.54	85	0.089	<20	1.83	0.009	0.05	0.2	0.03	2.5	<0.1	<0.05	7	<0.5	0.5

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		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L575N 8400E	Soil		3.3	74.3	6.8	225	0.8	11.1	8.8	467	2.52	6.6	12.4	0.6	9	0.5	0.1	0.6	57	0.10	0.058	2
L575N 8425E	Soil		2.1	86.5	6.6	181	0.5	12.4	9.9	539	2.75	6.7	11.3	0.6	8	0.4	0.1	0.7	71	0.10	0.088	2
L575N 8450E	Soil		1.9	39.8	8.6	177	1.5	7.6	6.1	417	2.76	6.5	12.1	1.1	6	0.4	0.1	1.5	52	0.07	0.120	2
L575N 8475E	Soil		2.1	116.7	12.4	499	1.6	7.4	6.5	329	2.47	12.1	17.2	0.4	15	1.5	0.2	1.3	78	0.19	0.053	2
L575N 8500E	Soil		2.0	39.0	7.0	181	1.5	6.9	5.4	132	2.40	9.5	13.4	1.0	5	0.3	0.2	1.0	59	0.06	0.099	2
L575N 8525E	Soil		2.3	167.4	8.9	139	2.6	13.2	7.5	171	2.71	8.4	65.3	1.3	6	0.2	0.2	1.0	70	0.07	0.093	3
L575N 8550E	Soil		5.7	223.0	8.6	235	1.4	24.3	12.4	242	2.84	33.2	14.3	1.0	8	0.3	0.3	1.0	70	0.09	0.043	3
L575N 8575E	Soil		1.1	48.4	7.5	127	1.2	5.7	5.4	253	2.24	4.1	27.1	0.4	5	0.2	0.1	1.5	61	0.08	0.045	1
L575N 8600E	Soil		0.3	10.2	3.8	60	0.7	4.1	4.4	194	1.98	1.5	2.8	0.2	3	0.2	<0.1	0.2	69	0.07	0.033	<1
L625N 8200E	Soil		5.1	147.0	9.2	159	0.8	18.5	12.4	442	3.02	6.7	5.8	0.9	12	0.2	0.2	0.7	64	0.11	0.074	4
L625N 8225E	Soil		4.2	177.7	7.9	218	0.9	19.7	14.9	775	2.88	6.9	4.6	0.9	12	0.3	0.2	0.9	66	0.09	0.071	4
L625N 8250E	Soil		4.9	212.1	7.3	303	1.0	18.8	18.9	943	2.76	6.5	5.1	0.8	11	0.5	0.1	1.2	63	0.11	0.063	5
L625N 8275E	Soil		3.5	180.3	6.5	194	1.1	20.2	16.7	481	2.86	6.7	5.7	0.9	10	0.2	0.2	1.0	72	0.10	0.053	4
L625N 8300E	Soil		4.5	113.7	5.7	125	1.1	12.9	10.2	287	3.29	5.5	2.1	0.8	11	0.1	0.1	0.7	92	0.07	0.050	4
L625N 8325E	Soil		3.7	330.5	5.9	160	0.8	19.6	15.7	262	2.47	5.6	10.7	0.7	11	0.2	0.1	0.9	57	0.08	0.078	5
L625N 8350E	Soil		1.6	70.4	4.8	185	0.4	16.1	9.9	318	2.38	3.9	1.7	0.4	10	0.3	<0.1	0.4	62	0.12	0.060	2
L625N 8375E	Soil		2.4	98.5	6.3	198	1.4	13.5	10.4	430	2.74	8.1	11.1	0.5	14	0.5	0.1	0.8	60	0.12	0.068	3
L625N 8400E	Soil		2.8	108.0	6.5	256	0.7	12.5	10.7	442	2.85	6.0	20.3	0.6	11	0.5	0.1	0.7	66	0.11	0.066	2
L625N 8425E	Soil		3.5	106.2	8.7	344	1.7	9.0	6.3	393	2.38	9.3	11.7	0.5	10	0.6	0.2	1.8	54	0.11	0.075	2
L625N 8450E	Soil		1.3	43.4	5.2	111	0.8	3.9	5.1	144	1.76	2.5	12.8	0.7	5	0.2	<0.1	0.5	43	0.04	0.067	2
L625N 8475E	Soil		1.1	50.8	5.3	85	0.6	6.2	5.3	305	1.99	2.8	5.6	0.8	5	0.1	0.1	0.2	56	0.06	0.093	2
L625N 8500E	Soil		0.8	34.4	38.6	73	1.7	3.7	3.3	300	2.02	2.4	7.5	0.6	6	<0.1	0.1	0.8	52	0.09	0.079	1
L625N 8525E	Soil		3.6	18.1	5.2	48	1.4	3.3	2.6	107	2.09	2.3	7.6	0.6	4	<0.1	<0.1	0.6	54	0.05	0.058	1
L625N 8550E	Soil		1.8	86.9	18.4	124	2.3	6.3	6.0	204	2.57	6.6	46.6	0.7	6	0.2	0.1	0.8	69	0.09	0.080	1
L675N 8200E	Soil		4.5	205.4	7.9	139	0.5	17.0	20.3	267	2.71	5.2	10.9	1.4	14	0.2	0.2	0.5	59	0.09	0.082	7
L675N 8225E	Soil		4.2	114.2	7.1	116	0.5	17.1	10.6	289	2.85	7.3	4.3	1.0	12	0.2	0.2	0.5	65	0.08	0.057	3
L675N 8250E	Soil		4.9	161.6	8.5	150	0.8	17.1	10.2	386	3.30	9.7	6.3	1.4	16	0.2	0.3	0.8	70	0.08	0.069	6
L675N 8275E	Soil		4.0	135.9	11.0	150	1.2	13.2	10.6	554	4.73	20.3	6.6	1.0	17	0.2	0.5	1.6	106	0.11	0.063	4
L675N 8300E	Soil		3.0	179.9	7.0	197	0.5	16.3	18.8	615	2.93	7.3	1.5	0.9	13	0.3	0.2	1.3	70	0.11	0.065	4
L675N 8325E	Soil		2.7	176.5	7.6	194	0.7	18.0	12.2	367	3.05	7.7	15.0	0.7	17	0.3	0.2	1.2	79	0.16	0.060	3

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		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L575N 8400E	Soil		22	0.46	62	0.100	<20	1.84	0.009	0.06	0.1	0.02	2.8	<0.1	<0.05	7	<0.5	0.7
L575N 8425E	Soil		26	0.62	73	0.138	<20	2.12	0.009	0.10	0.1	0.03	2.9	<0.1	<0.05	7	<0.5	0.8
L575N 8450E	Soil		12	0.39	81	0.150	<20	2.78	0.011	0.09	0.1	0.07	3.7	0.2	0.05	9	<0.5	1.3
L575N 8475E	Soil		9	0.39	71	0.115	<20	1.66	0.010	0.07	0.1	0.02	2.3	0.1	0.08	7	<0.5	1.6
L575N 8500E	Soil		11	0.25	41	0.140	<20	2.49	0.012	0.04	0.2	0.05	1.7	<0.1	<0.05	8	<0.5	1.1
L575N 8525E	Soil		25	0.47	38	0.139	<20	2.86	0.010	0.05	0.2	0.05	3.1	<0.1	<0.05	8	<0.5	1.8
L575N 8550E	Soil		49	0.73	67	0.129	<20	2.26	0.009	0.06	0.2	0.05	3.3	<0.1	<0.05	7	<0.5	1.1
L575N 8575E	Soil		9	0.26	43	0.123	<20	1.65	0.011	0.04	0.1	0.02	1.5	<0.1	<0.05	7	<0.5	2.6
L575N 8600E	Soil		8	0.30	37	0.132	<20	0.68	0.011	0.06	<0.1	<0.01	1.6	<0.1	<0.05	6	<0.5	0.2
L625N 8200E	Soil		37	0.68	80	0.088	<20	2.17	0.008	0.06	0.2	0.02	3.2	<0.1	0.09	7	<0.5	0.8
L625N 8225E	Soil		33	0.59	91	0.101	<20	2.31	0.008	0.05	0.2	0.04	3.1	<0.1	<0.05	7	<0.5	0.7
L625N 8250E	Soil		33	0.57	79	0.095	<20	2.38	0.009	0.05	0.2	0.04	3.3	<0.1	<0.05	7	<0.5	0.7
L625N 8275E	Soil		40	0.68	70	0.100	<20	2.20	0.008	0.06	0.2	0.03	3.6	<0.1	<0.05	7	<0.5	0.7
L625N 8300E	Soil		27	0.54	102	0.132	<20	2.27	0.010	0.10	<0.1	0.03	4.5	0.1	0.06	8	<0.5	0.5
L625N 8325E	Soil		35	0.59	64	0.083	<20	2.30	0.009	0.06	0.2	0.04	4.2	0.1	<0.05	6	<0.5	0.5
L625N 8350E	Soil		23	0.60	73	0.102	<20	1.81	0.008	0.06	0.1	0.02	2.6	<0.1	<0.05	7	<0.5	0.4
L625N 8375E	Soil		26	0.56	100	0.089	<20	1.75	0.009	0.08	0.1	0.02	3.2	<0.1	<0.05	6	<0.5	0.9
L625N 8400E	Soil		23	0.61	96	0.132	<20	1.89	0.008	0.10	0.2	0.03	3.2	<0.1	0.10	7	<0.5	0.8
L625N 8425E	Soil		16	0.28	67	0.090	<20	1.54	0.009	0.03	0.4	0.03	1.9	<0.1	<0.05	6	<0.5	1.7
L625N 8450E	Soil		8	0.13	30	0.101	<20	1.47	0.011	0.02	0.1	0.03	1.2	<0.1	<0.05	7	<0.5	0.3
L625N 8475E	Soil		9	0.22	35	0.132	<20	2.13	0.012	0.04	0.1	0.04	1.6	<0.1	0.05	7	<0.5	<0.2
L625N 8500E	Soil		7	0.16	23	0.103	<20	1.48	0.011	0.03	0.4	0.06	1.3	<0.1	<0.05	6	<0.5	0.6
L625N 8525E	Soil		7	0.16	26	0.102	<20	1.51	0.011	0.02	0.3	0.05	1.2	<0.1	<0.05	6	<0.5	0.5
L625N 8550E	Soil		9	0.37	43	0.124	<20	1.92	0.012	0.05	0.2	0.04	2.0	<0.1	<0.05	7	<0.5	1.7
L675N 8200E	Soil		30	0.54	76	0.121	<20	2.62	0.011	0.04	0.1	0.04	4.8	0.1	<0.05	8	<0.5	0.3
L675N 8225E	Soil		34	0.55	60	0.115	<20	2.17	0.011	0.04	0.1	0.04	3.5	<0.1	<0.05	7	<0.5	0.5
L675N 8250E	Soil		34	0.62	81	0.127	<20	2.68	0.011	0.06	0.2	0.04	4.8	<0.1	<0.05	8	<0.5	0.5
L675N 8275E	Soil		26	0.66	137	0.137	<20	2.43	0.011	0.12	0.1	0.03	6.5	0.2	<0.05	9	<0.5	1.1
L675N 8300E	Soil		25	0.47	65	0.135	<20	2.04	0.012	0.06	0.1	0.02	3.8	0.2	<0.05	7	<0.5	0.6
L675N 8325E	Soil		30	0.60	81	0.123	<20	1.94	0.010	0.08	0.2	0.03	4.0	<0.1	<0.05	7	<0.5	0.7

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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	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L675N 8350E	Soil		2.1	63.6	6.0	74	1.1	6.2	5.1	323	2.61	6.7	4.2	0.7	8	0.1	0.2	2.2	54	0.06	0.082	2
L675N 8375E	Soil		3.1	107.2	7.7	173	0.6	14.0	10.7	307	2.95	7.7	2.2	0.9	18	0.3	0.2	2.7	66	0.14	0.058	3
L675N 8400E	Soil		3.3	90.2	8.4	341	0.6	13.0	8.6	303	2.61	7.0	1.4	1.0	11	0.5	0.2	2.2	58	0.12	0.073	3
L675N 8425E	Soil		3.7	71.4	6.8	565	0.8	8.9	5.4	229	2.30	5.9	1.6	0.9	8	0.6	0.1	1.2	56	0.07	0.057	3
L675N 8450E	Soil		2.0	47.9	6.3	70	0.7	5.7	3.9	129	2.20	6.9	0.5	0.4	13	0.1	0.2	1.3	64	0.08	0.033	2
L675N 8475E	Soil		1.8	22.9	5.1	47	0.6	3.7	2.8	111	2.13	3.4	2.2	0.6	6	<0.1	0.1	1.5	54	0.05	0.047	2
L675N 8500E	Soil		8.5	142.9	5.0	113	1.5	8.2	8.8	157	2.67	4.9	1.0	0.8	11	0.2	0.2	1.3	70	0.10	0.049	2
L525N 9600E	Soil		2.6	178.7	33.8	192	1.1	37.0	18.2	468	2.93	16.6	4.7	1.0	19	0.3	0.9	0.4	67	0.14	0.051	3
L525N 9625E	Soil		2.6	168.6	54.5	201	1.9	29.7	16.3	580	3.47	123.5	51.9	0.9	13	0.2	7.3	0.4	74	0.12	0.056	2
L525N 9650E	Soil		2.4	222.9	28.8	183	0.6	40.4	19.4	549	3.24	13.0	79.5	1.1	19	0.3	0.4	0.4	76	0.14	0.058	3
L525N 9675E	Soil		1.1	160.2	12.4	140	0.3	45.8	18.6	327	2.78	5.8	<0.5	0.7	11	0.2	0.2	0.3	65	0.12	0.076	2
L525N 9700E	Soil		1.9	335.6	40.5	269	0.5	47.1	27.4	440	2.87	8.8	2.6	0.8	34	0.5	0.6	0.4	69	0.18	0.047	3
L525N 9725E	Soil		1.0	36.9	7.5	130	0.5	34.1	15.4	598	2.67	3.0	<0.5	0.9	18	0.3	0.1	0.1	55	0.17	0.093	3
L525N 9750E	Soil		1.8	68.6	54.5	364	1.1	30.8	16.0	765	3.01	36.0	2.3	0.9	21	1.0	0.7	0.5	63	0.22	0.079	3
L525N 9775E	Soil		1.4	75.8	20.2	125	0.3	34.4	18.5	530	3.14	8.9	0.6	0.9	21	0.3	0.2	0.2	74	0.18	0.058	3
L525N 9800E	Soil		1.3	64.3	26.4	123	0.4	32.1	16.6	531	3.02	8.1	0.8	0.9	22	0.3	0.2	0.2	73	0.20	0.050	3
L525N 9825E	Soil		1.3	48.9	22.1	114	0.3	27.3	14.9	567	2.71	7.4	<0.5	0.8	28	0.3	0.2	0.2	65	0.23	0.050	3
L525N 9850E	Soil		1.1	24.8	8.9	216	0.5	29.4	12.6	546	2.19	2.3	0.6	0.8	26	1.5	<0.1	0.1	54	0.20	0.085	3
L525N 9875E	Soil		2.2	77.6	13.8	206	0.9	30.2	15.7	643	2.69	13.8	<0.5	0.8	23	1.0	0.2	0.3	65	0.19	0.090	3
L525N 9900E	Soil		8.3	131.8	27.8	270	0.9	26.7	16.0	782	2.85	22.2	2.0	0.8	21	1.4	0.3	0.3	66	0.17	0.095	3
L525N 9925E	Soil		3.3	76.2	56.0	253	0.7	34.6	16.7	672	2.86	50.6	0.6	0.9	25	1.0	0.6	0.4	67	0.22	0.078	3
L525N 9950E	Soil		1.7	45.9	9.4	140	0.4	27.0	14.8	593	2.98	14.5	<0.5	0.7	29	0.5	0.7	0.5	74	0.25	0.068	3
L525N 9975E	Soil		0.7	46.1	9.7	127	0.4	37.9	16.4	542	2.89	4.9	1.8	0.8	25	0.6	0.2	0.2	66	0.24	0.068	3
L525N 10000E	Soil		0.6	44.9	9.7	118	0.3	33.4	17.4	759	3.11	4.1	37.0	0.7	20	0.4	0.2	0.1	69	0.21	0.083	2
L575N 9600E	Soil		14.4	742.3	875.3	325	75.6	45.7	16.8	450	7.87	111.9	2045	1.1	33	0.4	2.1	2.0	110	0.13	0.098	4
L575N 9625E	Soil		1.1	167.8	17.6	131	0.5	28.8	13.3	529	2.51	8.2	2.7	0.9	11	0.3	0.2	0.2	66	0.10	0.085	3
L575N 9650E	Soil		1.9	700.2	18.3	164	0.8	42.6	36.9	413	2.55	5.5	2.5	1.1	16	0.2	0.2	0.2	61	0.11	0.111	4
L575N 9675E	Soil		1.8	118.6	27.3	159	0.2	37.3	17.4	547	3.03	7.6	0.8	1.1	15	0.3	0.2	0.3	72	0.14	0.059	3
L575N 9700E	Soil		1.9	129.0	28.4	121	0.2	37.4	17.4	386	3.13	8.6	9.8	1.1	17	0.3	0.3	0.3	78	0.16	0.061	3
L575N 9725E	Soil		0.9	36.4	8.8	115	0.3	31.3	14.7	589	2.59	2.8	<0.5	0.8	20	0.3	0.1	0.1	57	0.17	0.070	3

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Project: WHIPSAW
Report Date: October 22, 2012

CERTIFICATE OF ANALYSIS VAN12004587.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L675N 8350E	Soil	13	0.26	47	0.095	<20	1.70	0.012	0.03	0.1	0.03	2.6	<0.1	<0.05	8	<0.5	1.1
L675N 8375E	Soil	27	0.50	88	0.137	<20	1.89	0.015	0.06	0.2	0.02	4.0	<0.1	<0.05	7	<0.5	1.5
L675N 8400E	Soil	26	0.39	52	0.115	<20	1.93	0.010	0.03	0.4	0.03	2.9	<0.1	<0.05	7	<0.5	1.3
L675N 8425E	Soil	16	0.28	37	0.112	<20	1.86	0.013	0.03	0.1	0.04	2.8	<0.1	<0.05	7	<0.5	0.6
L675N 8450E	Soil	11	0.25	44	0.103	<20	1.07	0.013	0.04	<0.1	0.01	1.6	<0.1	<0.05	7	<0.5	1.0
L675N 8475E	Soil	9	0.12	27	0.114	<20	1.70	0.014	0.02	<0.1	0.03	1.6	<0.1	<0.05	7	<0.5	0.7
L675N 8500E	Soil	11	0.37	49	0.128	<20	2.01	0.017	0.03	<0.1	0.02	3.7	<0.1	<0.05	7	<0.5	0.6
L525N 9600E	Soil	54	0.78	74	0.125	<20	2.25	0.012	0.05	0.1	0.03	3.9	<0.1	<0.05	7	<0.5	0.3
L525N 9625E	Soil	47	0.65	59	0.117	<20	2.19	0.012	0.04	0.2	0.03	4.0	<0.1	<0.05	7	<0.5	<0.2
L525N 9650E	Soil	73	1.07	85	0.125	<20	2.58	0.011	0.05	0.3	0.02	4.2	<0.1	<0.05	7	<0.5	0.3
L525N 9675E	Soil	81	0.92	53	0.138	<20	2.28	0.011	0.05	<0.1	0.02	3.2	<0.1	<0.05	7	<0.5	<0.2
L525N 9700E	Soil	64	1.12	113	0.095	<20	2.48	0.008	0.07	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
L525N 9725E	Soil	53	1.00	89	0.093	<20	2.06	0.008	0.07	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
L525N 9750E	Soil	49	0.93	94	0.082	<20	2.15	0.009	0.08	<0.1	0.04	3.8	0.2	<0.05	6	<0.5	0.6
L525N 9775E	Soil	59	1.19	96	0.113	<20	2.42	0.009	0.07	<0.1	0.01	4.2	<0.1	<0.05	6	<0.5	<0.2
L525N 9800E	Soil	55	1.03	110	0.112	<20	2.35	0.010	0.06	<0.1	0.02	3.7	<0.1	<0.05	7	<0.5	<0.2
L525N 9825E	Soil	46	0.93	111	0.103	<20	2.08	0.012	0.07	<0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
L525N 9850E	Soil	49	0.80	100	0.087	<20	1.78	0.010	0.05	<0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
L525N 9875E	Soil	46	0.85	118	0.097	<20	2.04	0.010	0.09	<0.1	0.03	3.6	<0.1	<0.05	6	<0.5	<0.2
L525N 9900E	Soil	42	0.84	110	0.102	<20	2.02	0.010	0.12	<0.1	0.03	3.1	<0.1	<0.05	7	<0.5	<0.2
L525N 9925E	Soil	55	1.00	123	0.093	<20	2.15	0.012	0.09	<0.1	0.02	4.1	<0.1	<0.05	6	<0.5	0.3
L525N 9950E	Soil	44	0.92	127	0.089	<20	2.03	0.008	0.16	<0.1	0.02	4.3	<0.1	<0.05	6	<0.5	0.2
L525N 9975E	Soil	68	1.30	101	0.090	<20	2.04	0.008	0.11	<0.1	<0.01	4.5	<0.1	<0.05	5	<0.5	<0.2
L525N 10000E	Soil	60	1.20	117	0.095	<20	2.22	0.008	0.11	<0.1	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2
L575N 9600E	Soil	111	1.28	137	0.163	<20	3.02	0.025	0.20	0.6	0.07	7.6	<0.1	0.29	8	1.8	32.9
L575N 9625E	Soil	58	0.66	59	0.131	<20	2.05	0.013	0.04	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
L575N 9650E	Soil	54	0.83	49	0.107	<20	2.55	0.009	0.04	<0.1	0.04	4.4	0.1	<0.05	7	<0.5	<0.2
L575N 9675E	Soil	60	1.07	93	0.112	<20	2.55	0.009	0.06	<0.1	0.02	4.2	<0.1	<0.05	6	<0.5	<0.2
L575N 9700E	Soil	66	1.22	79	0.108	<20	2.41	0.007	0.06	<0.1	0.03	5.1	<0.1	<0.05	6	<0.5	0.3
L575N 9725E	Soil	55	1.02	88	0.093	<20	2.05	0.008	0.07	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2

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CERTIFICATE OF ANALYSIS VAN12004587.1

	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	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L575N 9750E	Soil	1.2	60.2	11.6	123	0.3	30.2	15.4	674	2.46	4.2	6.9	0.7	14	0.3	<0.1	0.2	58	0.14	0.068	2
L575N 9775E	Soil	1.4	50.7	34.1	108	0.2	31.9	15.0	699	2.53	4.3	1.5	0.7	15	0.3	<0.1	0.2	60	0.17	0.079	3
L575N 9800E	Soil	0.9	47.1	8.9	79	0.1	31.7	15.0	425	2.73	5.5	1.9	1.2	20	0.2	0.1	<0.1	66	0.23	0.066	4
L575N 9825E	Soil	0.9	30.6	7.9	95	0.3	27.5	13.2	572	2.30	4.0	1.9	0.7	18	0.3	<0.1	<0.1	58	0.16	0.077	3
L575N 9850E	Soil	0.7	25.2	5.8	170	0.4	29.4	11.7	639	2.09	2.1	2.4	0.6	17	1.1	<0.1	<0.1	52	0.19	0.098	3
L575N 9875E	Soil	0.8	30.2	6.4	142	0.4	29.4	12.9	701	2.35	3.1	1.6	0.7	15	1.1	<0.1	<0.1	57	0.14	0.098	3
L575N 9900E	Soil	0.9	31.4	6.3	177	0.6	34.0	13.9	459	2.40	3.8	<0.5	1.0	18	1.2	<0.1	<0.1	57	0.17	0.105	3
L575N 9925E	Soil	0.6	22.4	8.5	128	0.4	27.6	11.8	529	2.04	3.4	1.2	0.5	16	0.7	<0.1	<0.1	49	0.15	0.079	2
L575N 9950E	Soil	0.8	29.3	5.0	127	0.6	32.2	12.7	507	2.18	3.2	1.2	0.7	16	0.7	<0.1	<0.1	51	0.16	0.096	3
L575N 9975E	Soil	0.6	25.4	4.9	78	0.4	26.6	12.3	685	2.01	2.1	1.1	0.5	18	0.4	<0.1	<0.1	47	0.19	0.093	2
L575N 10000E	Soil	0.5	40.0	3.9	114	0.3	43.2	16.2	577	2.62	2.7	1.2	0.7	20	0.3	<0.1	<0.1	61	0.23	0.079	3

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CERTIFICATE OF ANALYSIS VAN12004587.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L575N 9750E	Soil	54	0.95	82	0.069	<20	1.98	0.006	0.05	<0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
L575N 9775E	Soil	56	0.97	86	0.071	<20	2.10	0.006	0.07	<0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
L575N 9800E	Soil	56	1.01	98	0.081	<20	2.07	0.006	0.08	<0.1	0.02	3.8	<0.1	<0.05	6	<0.5	<0.2
L575N 9825E	Soil	46	0.81	90	0.073	<20	1.87	0.008	0.05	<0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
L575N 9850E	Soil	51	0.84	71	0.064	<20	1.67	0.006	0.05	<0.1	0.04	2.7	<0.1	<0.05	5	<0.5	<0.2
L575N 9875E	Soil	50	0.83	75	0.077	<20	1.80	0.007	0.05	<0.1	0.03	2.7	<0.1	<0.05	6	<0.5	<0.2
L575N 9900E	Soil	56	0.92	82	0.081	<20	2.06	0.008	0.05	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
L575N 9925E	Soil	47	0.76	64	0.062	<20	1.54	0.006	0.05	<0.1	0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
L575N 9950E	Soil	49	0.79	78	0.070	<20	1.88	0.007	0.04	<0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
L575N 9975E	Soil	47	0.78	107	0.062	<20	1.59	0.006	0.05	<0.1	0.04	2.2	<0.1	<0.05	5	<0.5	<0.2
L575N 10000E	Soil	72	1.21	99	0.071	<20	1.86	0.006	0.11	<0.1	<0.01	3.4	<0.1	<0.05	5	<0.5	<0.2

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Project: WHIPSAW
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QUALITY CONTROL REPORT VAN12004587.

	Method	1DX	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	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
L325N 8325E	Soil	1.3	69.5	9.2	188	0.5	9.6	10.2	1345	3.12	5.7	5.3	0.5	12	0.6	0.1	0.6	68	0.23	0.117	2
REP L325N 8325E	QC	1.4	67.3	9.4	185	0.5	9.2	10.0	1311	3.05	5.8	5.3	0.4	12	0.7	0.1	0.6	67	0.22	0.118	2
L375N 8650E	Soil	0.7	35.2	8.0	309	1.1	8.2	5.4	232	2.24	5.2	4.4	1.4	6	0.9	0.2	0.3	56	0.06	0.085	2
REP L375N 8650E	QC	0.8	32.7	7.6	299	1.1	7.3	4.8	230	2.18	4.9	2.7	1.3	6	1.0	0.2	0.3	55	0.07	0.085	2
L475N 8325E	Soil	3.7	58.4	6.7	313	0.6	13.1	9.8	647	2.54	5.0	8.2	0.5	16	1.1	0.1	0.4	54	0.17	0.061	3
REP L475N 8325E	QC	3.4	57.0	6.4	304	0.5	12.8	9.7	613	2.50	4.9	1.3	0.4	15	1.1	<0.1	0.4	54	0.16	0.062	3
L575N 8225E	Soil	2.5	75.9	11.1	137	1.6	10.0	8.6	507	2.53	6.1	5.0	0.5	8	0.3	0.1	0.5	49	0.08	0.120	3
REP L575N 8225E	QC	2.5	77.7	11.0	141	1.6	10.4	8.8	522	2.54	6.0	6.6	0.6	8	0.2	0.1	0.5	49	0.08	0.120	4
L675N 8325E	Soil	2.7	176.5	7.6	194	0.7	18.0	12.2	367	3.05	7.7	15.0	0.7	17	0.3	0.2	1.2	79	0.16	0.060	3
REP L675N 8325E	QC	2.7	180.6	7.6	191	0.7	18.5	12.4	382	3.05	7.8	232.7	0.7	17	0.3	0.2	1.2	79	0.15	0.060	3
L575N 9875E	Soil	0.8	30.2	6.4	142	0.4	29.4	12.9	701	2.35	3.1	1.6	0.7	15	1.1	<0.1	<0.1	57	0.14	0.098	3
REP L575N 9875E	QC	0.9	30.2	6.7	138	0.4	29.1	12.9	703	2.20	3.1	2.5	0.7	14	1.1	<0.1	<0.1	56	0.14	0.100	3
Reference Materials																					
STD DS9	Standard	12.5	106.8	131.5	302	1.8	38.4	7.6	557	2.26	25.4	128.0	7.5	82	2.4	6.0	6.8	39	0.68	0.082	13
STD DS9	Standard	11.8	103.6	127.0	300	1.8	39.1	7.3	553	2.23	25.7	98.1	6.9	82	2.6	6.7	6.6	38	0.66	0.082	13
STD DS9	Standard	12.1	104.7	113.8	301	1.8	40.1	7.2	536	2.17	23.7	121.9	5.2	62	2.2	4.4	6.0	39	0.63	0.082	10
STD DS9	Standard	11.8	101.8	115.3	290	1.7	39.0	7.2	526	2.12	22.2	120.3	5.0	60	2.2	4.3	6.0	38	0.64	0.078	10
STD DS9	Standard	12.2	108.3	124.4	304	1.8	39.2	7.6	558	2.25	24.6	119.2	5.3	63	2.2	4.6	6.0	40	0.64	0.082	11
STD DS9	Standard	12.8	104.9	117.2	300	1.6	39.4	7.9	560	2.22	26.9	89.9	6.4	68	2.3	3.7	5.7	41	0.68	0.082	12
STD OREAS45CA	Standard	1.0	493.9	21.2	56	0.3	236.3	86.5	875	15.61	4.4	40.5	7.8	17	0.1	0.2	0.1	198	0.42	0.037	16
STD OREAS45CA	Standard	1.0	477.0	20.0	54	0.2	233.3	85.8	871	15.22	3.9	47.0	7.7	17	0.1	0.2	0.1	196	0.42	0.038	16
STD OREAS45CA	Standard	1.0	428.6	17.5	50	0.3	207.0	79.5	818	13.88	3.6	34.8	5.7	13	<0.1	0.2	0.2	189	0.38	0.037	13
STD OREAS45CA	Standard	0.9	430.9	16.6	47	0.2	207.6	80.9	811	13.73	3.4	32.7	6.2	13	<0.1	0.1	0.1	194	0.38	0.035	13
STD OREAS45CA	Standard	0.9	427.6	17.3	50	0.2	204.7	82.3	831	14.07	3.5	32.4	5.8	13	<0.1	0.1	0.1	193	0.37	0.036	13
STD OREAS45CA	Standard	0.8	498.2	18.5	51	0.3	232.7	89.4	868	15.73	3.4	33.0	7.4	15	0.1	<0.1	0.2	211	0.40	0.035	16
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819	13.3
STD OREAS45CA Expected		1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265	0.0385	15.9
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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Client: **Martin, Charles**
1329 - 510 W. Hastings Street
Vancouver BC V6B 1L8 Canada

Project: WHIPSAW
Report Date: October 22, 2012

QUALITY CONTROL REPORT VAN12004587.

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
L325N 8325E	Soil	15	0.57	104	0.116	<20	1.70	0.008	0.08	0.1	0.04	2.8	<0.1	0.07	8	<0.5	0.7
REP L325N 8325E	QC	15	0.56	102	0.114	<20	1.65	0.008	0.08	<0.1	0.03	2.7	<0.1	<0.05	8	<0.5	0.6
L375N 8650E	Soil	12	0.25	49	0.149	<20	2.58	0.013	0.03	<0.1	0.04	2.0	<0.1	<0.05	8	<0.5	0.3
REP L375N 8650E	QC	12	0.24	45	0.145	<20	2.45	0.012	0.03	<0.1	0.04	2.0	<0.1	<0.05	8	<0.5	0.5
L475N 8325E	Soil	23	0.43	110	0.083	<20	1.68	0.010	0.05	0.1	0.03	1.9	<0.1	<0.05	7	<0.5	0.5
REP L475N 8325E	QC	23	0.41	107	0.083	<20	1.66	0.009	0.05	0.1	0.03	1.8	<0.1	<0.05	7	<0.5	0.5
L575N 8225E	Soil	21	0.37	64	0.084	<20	2.07	0.009	0.04	0.2	0.05	2.0	<0.1	<0.05	7	<0.5	0.8
REP L575N 8225E	QC	21	0.38	64	0.082	<20	2.06	0.009	0.04	0.2	0.05	2.0	<0.1	<0.05	7	<0.5	0.9
L675N 8325E	Soil	30	0.60	81	0.123	<20	1.94	0.010	0.08	0.2	0.03	4.0	<0.1	<0.05	7	<0.5	0.7
REP L675N 8325E	QC	30	0.61	81	0.121	<20	1.96	0.010	0.09	0.2	0.02	3.7	<0.1	<0.05	7	<0.5	0.7
L575N 9875E	Soil	50	0.83	75	0.077	<20	1.80	0.007	0.05	<0.1	0.03	2.7	<0.1	<0.05	6	<0.5	<0.2
REP L575N 9875E	QC	50	0.83	77	0.071	<20	1.83	0.007	0.05	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
Reference Materials																	
STD DS9	Standard	118	0.62	317	0.124	<20	0.91	0.085	0.40	4.2	0.21	2.7	5.5	0.09	5	5.0	4.6
STD DS9	Standard	114	0.60	322	0.122	<20	0.91	0.090	0.41	2.8	0.27	3.0	5.3	0.08	5	5.1	4.6
STD DS9	Standard	114	0.58	303	0.100	<20	0.82	0.067	0.36	2.8	0.17	1.9	5.3	0.13	4	4.9	4.5
STD DS9	Standard	110	0.56	300	0.097	<20	0.81	0.069	0.36	2.3	0.21	2.0	5.2	0.15	4	4.6	4.5
STD DS9	Standard	117	0.60	311	0.099	<20	0.83	0.072	0.37	3.0	0.21	2.1	5.3	0.13	4	4.7	5.0
STD DS9	Standard	117	0.58	317	0.106	<20	0.90	0.078	0.38	3.0	0.21	2.3	5.4	0.15	5	5.1	4.9
STD OREAS45CA	Standard	602	0.16	158	0.160	<20	3.46	0.013	0.07	<0.1	0.03	43.4	<0.1	<0.05	18	<0.5	<0.2
STD OREAS45CA	Standard	570	0.16	159	0.149	<20	3.29	0.013	0.07	<0.1	0.03	42.8	<0.1	<0.05	18	<0.5	<0.2
STD OREAS45CA	Standard	625	0.13	147	0.117	<20	2.96	0.011	0.06	<0.1	0.03	37.0	<0.1	<0.05	16	<0.5	<0.2
STD OREAS45CA	Standard	632	0.12	147	0.117	<20	2.83	0.011	0.06	<0.1	0.02	37.3	<0.1	<0.05	16	<0.5	<0.2
STD OREAS45CA	Standard	649	0.13	149	0.118	<20	2.95	0.010	0.06	<0.1	0.03	38.5	<0.1	<0.05	16	<0.5	<0.2
STD OREAS45CA	Standard	736	0.13	167	0.128	<20	3.24	0.010	0.07	<0.1	0.02	41.9	0.1	<0.05	18	<0.5	<0.2
STD DS9 Expected		121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
STD OREAS45CA Expected		709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	39.7	0.07	0.021	18.4	0.5	
BLK	Blank	<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	<0.2

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Project: WHIPSAW
Report Date: October 22, 2012

QUALITY CONTROL REPORT VAN12004587.

		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 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	1DX La ppm 1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	0.3	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	0.001	<1
BLK	Blank	<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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Client: **Martin, Charles**
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Project: WHIPSAW
Report Date: October 22, 2012

QUALITY CONTROL REPORT VAN12004587.

		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Submitted By: Charles Martin
Receiving Lab: Canada-Vancouver
Received: September 27, 2012
Report Date: November 26, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN12004588.2

CLIENT JOB INFORMATION

Project: WHIPSAW
Shipment ID: WR-001
P.O. Number
Number of Samples: 21

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	21	Crush, split and pulverize 250 g rock to 200 mesh			VAN
3B01	21	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1D01	21	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
G603+G612	2	Lead collection fire assay fusion - gravimetric finish	30	Completed	VAN
7AR	3	1:1:1 Aqua Regia digestion ICP-ES analysis	0.4	Completed	VAN

ADDITIONAL COMMENTS

Version 2: G603-G612 & 7AR Pb Zn included.

Invoice To: Johnston, Bob
8 - 3789 Oak Street
Vancouver BC V6H 2M4
CANADA

CC: Bob Johnston

BRITISH COLUMBIA CERTIFIED ASSAYER
RAYMOND CHAN
CHIEF ASSAYER

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

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1329 - 510 W. Hastings Street
Vancouver BC V6B 1L8 Canada

Project: WHIPSAW
Report Date: November 26, 2012

CERTIFICATE OF ANALYSIS VAN12004588.2

Method		WGHT	3B	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	2	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
G1	Prep Blank	<0.01	2	1	3	4	47	<0.3	5	5	601	2.09	<2	<2	4	56	<0.5	<3	<3	39	0.46
G1	Prep Blank	<0.01	<2	<1	2	<3	50	<0.3	3	4	602	2.00	<2	<2	5	57	<0.5	<3	<3	38	0.50
201501	Rock	1.83	182	10	251	111	1835	5.9	25	14	1807	6.55	156	<2	<2	8	6.8	<3	<3	55	0.66
201502	Rock	2.22	981	2	4593	597	>10000	71.0	6	10	1946	6.50	238	<2	<2	32	204.7	3	<3	63	1.76
201503	Rock	2.42	>10000	<1	3150	74	>10000	>100	2	4	310	4.24	281	11	<2	6	90.4	8	<3	3	0.54
201504	Rock	1.91	15	<1	46	<3	283	1.2	3	5	300	1.32	<2	<2	<2	23	0.8	<3	<3	11	0.87
201505	Rock	1.32	212	1	37	7	76	8.5	1	2	140	1.80	10	<2	<2	9	<0.5	<3	8	19	0.13
201506	Rock	1.70	449	1	867	25	195	57.6	<1	1	127	4.10	124	<2	<2	7	<0.5	<3	6	50	0.02
201507	Rock	1.48	23	<1	14	<3	56	1.2	2	3	198	2.10	5	<2	<2	8	<0.5	<3	3	13	0.10
201508	Rock	1.51	13	<1	66	5	127	0.9	2	4	292	1.87	7	<2	<2	6	<0.5	4	<3	14	0.06
201509	Rock	1.55	16	<1	66	4	49	0.6	1	3	132	2.15	5	<2	<2	11	<0.5	<3	4	19	0.10
201510	Rock	1.76	686	18	42	29	128	39.1	<1	1	95	2.81	80	<2	<2	16	<0.5	<3	<3	12	0.03
201511	Rock	2.47	607	4	489	18	867	34.5	6	4	432	3.90	16	<2	<2	21	3.9	<3	<3	60	0.41
201512	Rock	1.63	593	6	1491	48	4147	39.1	4	29	3083	15.59	85	<2	<2	7	16.0	3	100	27	8.84
201513	Rock	1.31	20	2	6	<3	39	0.6	<1	2	25	2.50	3	<2	<2	8	<0.5	<3	<3	16	<0.01
201514	Rock	1.62	4880	22	1381	773	7349	>100	2	4	159	13.87	648	5	<2	7	36.9	10	<3	27	0.08
201515	Rock	1.36	881	25	2367	30	2392	54.0	2	3	310	20.27	105	4	<2	4	6.5	5	37	25	0.34
201516	Rock	1.58	982	1	83	281	132	84.7	<1	<1	61	1.92	104	<2	<2	4	<0.5	119	36	4	<0.01
201517	Rock	1.65	12	5	235	<3	41	1.1	8	7	209	2.42	3	<2	<2	96	<0.5	3	<3	79	1.04
201518	Rock	1.88	69	2	516	>10000	3856	29.5	7	9	608	5.86	145	<2	<2	31	9.5	13	4	90	0.38
201519	Rock	1.93	6	<1	38	25	74	<0.3	6	7	481	1.64	<2	<2	<2	25	<0.5	<3	<3	16	0.32
201520	Rock	2.11	60	3	529	187	289	11.8	27	10	763	5.82	80	<2	<2	29	1.1	<3	<3	169	0.42
201521	Rock	2.56	1259	10	288	3022	3713	58.2	9	28	1847	5.63	90	<2	<2	22	12.7	5	33	88	0.29

Acme Analytical Laboratories (Vancouver) Ltd.
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Phone (604) 253-3158 Fax (604) 253-1716
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Client: **Martin, Charles**
1329 - 510 W. Hastings Street
Vancouver BC V6B 1L8 Canada

Project: WHIPSAW
Report Date: November 26, 2012

CERTIFICATE OF ANALYSIS VAN12004588.2

Method		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D	G6Gr	G6Gr	7AR	7AR
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc	Ag	Au	Pb	Zn
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	gm/t	gm/t	%	%
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5	50	0.9	0.01	0.01
G1	Prep Blank	0.075	9	10	0.60	236	0.127	<20	0.99	0.09	0.50	<2	<5	<1	<5	<0.05	<5	N.A.	N.A.	N.A.	N.A.
G1	Prep Blank	0.075	10	7	0.60	231	0.125	<20	1.00	0.09	0.50	<2	<5	<1	<5	<0.05	<5	N.A.	N.A.	N.A.	N.A.
201501	Rock	0.093	7	69	1.59	38	0.002	<20	1.79	<0.01	0.28	<2	<5	<1	<5	2.35	6	N.A.	N.A.	N.A.	N.A.
201502	Rock	0.009	4	2	1.51	17	0.001	<20	1.13	0.01	0.11	<2	<5	<1	<5	1.79	<5	N.A.	N.A.	0.06	3.63
201503	Rock	0.008	1	5	0.23	7	<0.001	<20	0.13	<0.01	0.10	<2	<5	<1	<5	3.34	<5	275	10.5	0.01	1.59
201504	Rock	0.060	8	2	0.08	47	0.001	<20	0.42	0.03	0.24	<2	<5	<1	<5	0.41	<5	N.A.	N.A.	N.A.	N.A.
201505	Rock	0.031	2	3	0.17	42	0.024	<20	0.47	0.04	0.20	<2	<5	<1	<5	0.13	<5	N.A.	N.A.	N.A.	N.A.
201506	Rock	0.036	3	3	0.23	23	0.001	<20	0.58	0.02	0.22	<2	<5	<1	<5	0.20	<5	N.A.	N.A.	N.A.	N.A.
201507	Rock	0.045	3	4	0.04	123	0.002	<20	0.39	0.03	0.24	<2	<5	<1	<5	0.27	<5	N.A.	N.A.	N.A.	N.A.
201508	Rock	0.024	2	2	0.02	33	<0.001	<20	0.49	0.04	0.17	<2	<5	<1	<5	0.08	<5	N.A.	N.A.	N.A.	N.A.
201509	Rock	0.034	3	4	0.20	40	0.003	<20	0.75	0.06	0.18	<2	<5	<1	<5	0.28	<5	N.A.	N.A.	N.A.	N.A.
201510	Rock	0.036	5	1	0.03	79	0.002	<20	0.36	0.02	0.28	<2	<5	<1	<5	0.30	<5	N.A.	N.A.	N.A.	N.A.
201511	Rock	0.078	3	12	0.57	102	0.087	<20	1.34	0.05	0.27	4	<5	<1	<5	0.09	6	N.A.	N.A.	N.A.	N.A.
201512	Rock	0.156	3	17	0.42	10	0.012	<20	0.72	<0.01	0.05	11	<5	<1	<5	0.06	<5	N.A.	N.A.	N.A.	N.A.
201513	Rock	0.005	1	3	0.04	53	0.009	<20	0.26	0.08	0.14	<2	<5	<1	<5	0.84	<5	N.A.	N.A.	N.A.	N.A.
201514	Rock	0.092	3	11	0.03	20	0.001	<20	0.32	<0.01	0.15	6	<5	<1	<5	1.67	<5	253	4.9	N.A.	N.A.
201515	Rock	0.083	1	8	0.04	4	0.004	<20	0.59	<0.01	0.04	<2	<5	<1	<5	0.12	<5	N.A.	N.A.	N.A.	N.A.
201516	Rock	0.007	<1	2	0.01	42	0.001	<20	0.13	<0.01	0.17	<2	<5	<1	<5	0.23	<5	N.A.	N.A.	N.A.	N.A.
201517	Rock	0.128	3	22	0.55	34	0.101	<20	1.99	0.28	0.07	2	<5	<1	<5	0.42	<5	N.A.	N.A.	N.A.	N.A.
201518	Rock	0.120	5	17	0.29	65	0.016	<20	1.11	0.06	0.33	<2	6	<1	<5	0.24	8	N.A.	N.A.	1.65	0.38
201519	Rock	0.116	9	4	0.07	61	0.002	<20	0.65	0.05	0.29	<2	<5	<1	<5	<0.05	<5	N.A.	N.A.	N.A.	N.A.
201520	Rock	0.102	5	90	1.72	17	0.059	<20	2.08	0.07	0.19	3	<5	<1	6	0.99	13	N.A.	N.A.	N.A.	N.A.
201521	Rock	0.072	4	10	0.15	58	0.002	<20	0.89	0.03	0.13	2	<5	<1	<5	0.09	8	N.A.	N.A.	N.A.	N.A.

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Project: WHIPSAW
Report Date: November 26, 2012

QUALITY CONTROL REPORT VAN12004588.2

		Method	WGHT	3B	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
		Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.01	2	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
Pulp Duplicates																						
REP G1	QC			<2																		
Reference Materials																						
STD DS9	Standard				13	103	101	319	1.5	40	7	592	2.35	18	<2	5	67	2.3	4	<3	41	0.71
STD GC-7	Standard																					
STD OREAS133B	Standard																					
STD OREAS45EA	Standard				4	718	<3	33	0.5	394	55	418	24.41	6	<2	8	4	<0.5	<3	13	312	0.03
STD OREAS45CA	Standard				4	532	26	63	<0.3	259	98	997	16.64	5	<2	4	15	<0.5	8	<3	230	0.45
STD OXD87	Standard			405																		
STD OXG99	Standard			942																		
STD SP49	Standard																					
STD OXG99 Expected				932																		
STD OXD87 Expected				417																		
STD OREAS45EA Expected					1.78	709	14.3	30.6	0.311	357	52	400	22.65	11.4	0.053	10.7	4.05				295	0.032
STD DS9 Expected					12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	0.118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD OREAS45CA Expected					1	494	20	60	0.275	240	92	943	15.69	3.8	0.043	7	15	0.1	0.13	0.19	215	0.4265
STD SP49 Expected																						
STD GC-7 Expected																						
STD OREAS133B Expected																						
BLK	Blank			<2																		
BLK	Blank			<2																		
BLK	Blank				<1	<1	5	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank																					
BLK	Blank																					
Prep Wash																						
G1	Prep Blank		<0.01		1	3	4	47	<0.3	5	5	601	2.09	<2	<2	4	56	<0.5	<3	<3	39	0.46
G1	Prep Blank		<0.01	<2	<1	2	<3	50	<0.3	3	4	602	2.00	<2	<2	5	57	<0.5	<3	<3	38	0.50
G1	Prep Blank			2																		

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Report Date: November 26, 2012

QUALITY CONTROL REPORT VAN12004588.2

		Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D	G6Gr	G6Gr	7AR	7AR
		Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc	Ag	Au	Pb	Zn
		Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	gm/t	gm/t	%	%
		MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5	50	0.9	0.01	0.01
Pulp Duplicates																						
REP G1	QC																					
Reference Materials																						
STD DS9	Standard		0.081	12	121	0.61	330	0.105	<20	0.95	0.09	0.40	4	<5	<1	<5	0.17	<5				
STD GC-7	Standard																				>10	21.13
STD OREAS133B	Standard																				4.99	10.91
STD OREAS45EA	Standard		0.027	8	868	0.10	151	0.091	<20	3.26	0.03	0.06	<2	7	<1	<5	<0.05	90				
STD OREAS45CA	Standard		0.039	18	726	0.15	171	0.139	<20	3.78	0.01	0.08	<2	6	<1	10	<0.05	50				
STD OXD87	Standard																					
STD OXG99	Standard																					
STD SP49	Standard																		52	18.3		
STD OXG99 Expected																						
STD OXD87 Expected																						
STD OREAS45EA Expected			0.029	8.19	849	0.095	148	0.106		3.32	0.027	0.053			0.34	11.7	0.044	78				
STD DS9 Expected			0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	5.3	0.2	4.59	0.1615	2.5				
STD OREAS45CA Expected			0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.07	0.03		0.021					
STD SP49 Expected																			60.2	18.34		
STD GC-7 Expected																					10.44	22.06
STD OREAS133B Expected																					5.07	11.12
BLK	Blank																					
BLK	Blank																					
BLK	Blank		<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5				
BLK	Blank																		<50	<0.9		
BLK	Blank																				<0.01	<0.01
Prep Wash																						
G1	Prep Blank		0.075	9	10	0.60	236	0.127	<20	0.99	0.09	0.50	<2	<5	<1	<5	<0.05	<5	N.A.	N.A.	N.A.	N.A.
G1	Prep Blank		0.075	10	7	0.60	231	0.125	<20	1.00	0.09	0.50	<2	<5	<1	<5	<0.05	<5	N.A.	N.A.	N.A.	N.A.
G1	Prep Blank																					

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Client: **Martin, Charles**
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Submitted By: Charles Martin
Receiving Lab: Canada-Vancouver
Received: October 22, 2012
Report Date: October 31, 2012
Page: 1 of 6

CERTIFICATE OF ANALYSIS VAN12005009.1

CLIENT JOB INFORMATION

Project: WHIPSAW
Shipment ID: WS-002
P.O. Number
Number of Samples: 134

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	134	Dry at 60C			VAN
SS80	134	Dry at 60C sieve 100g to -80 mesh			VAN
1DX1	134	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Johnston, Bob
8 - 3789 Oak Street
Vancouver BC V6H 2M4
CANADA

CC: Bob Johnston

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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Project: WHIPSAW
Report Date: October 31, 2012

CERTIFICATE OF ANALYSIS VAN12005009.1

	Method	1DX	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	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L575N 9375E	Soil	3.3	213.6	15.4	190	0.2	42.1	14.9	224	2.99	8.6	<0.5	0.6	14	0.5	0.2	0.2	72	0.14	0.047	2
L575N 9400E	Soil	4.1	288.2	24.0	214	1.0	40.8	12.9	206	3.00	12.7	73.1	0.6	13	0.4	0.3	0.3	65	0.15	0.066	2
L575N 9425E	Soil	2.8	367.2	21.1	280	1.1	47.1	11.3	237	2.65	8.8	1.5	0.4	16	0.5	0.2	0.2	61	0.16	0.058	2
L575N 9450E	Soil	3.8	346.2	23.0	250	1.1	53.3	13.6	160	3.01	10.6	5.3	0.6	14	0.4	0.2	0.2	68	0.13	0.061	2
L575N 9475E	Soil	2.0	237.3	21.9	287	0.8	46.6	17.0	360	2.96	10.9	1.7	0.7	10	0.5	0.2	0.2	69	0.11	0.070	2
L575N 9500E	Soil	3.0	257.2	26.0	185	0.6	39.2	17.1	214	3.03	13.0	12.1	0.6	10	0.4	0.2	0.2	70	0.10	0.042	2
L575N 9525E	Soil	1.7	741.4	15.3	238	0.5	55.0	68.4	1260	2.02	5.2	0.7	0.5	9	0.7	<0.1	0.1	48	0.10	0.126	2
L575N 9550E	Soil	3.4	181.8	39.7	239	1.2	42.2	15.8	222	3.00	27.2	11.6	0.7	11	0.4	0.4	0.2	67	0.12	0.047	2
L575N 9575E	Soil	2.9	162.0	21.9	151	0.6	40.3	16.8	374	3.03	8.8	<0.5	0.7	10	0.3	0.2	0.2	68	0.11	0.052	2
L475N 9375E	Soil	5.9	388.6	18.0	143	0.8	28.1	12.8	200	2.91	11.7	2.1	0.9	8	0.2	0.2	0.2	69	0.09	0.087	2
L475N 9400E	Soil	4.6	372.1	14.9	187	0.6	30.5	11.9	166	2.81	10.4	2.9	0.7	8	0.2	0.2	0.2	65	0.10	0.067	2
L475N 9425E	Soil	3.4	298.4	18.7	201	0.6	35.2	11.0	263	2.31	4.6	2.4	0.6	21	0.3	0.2	0.2	51	0.23	0.025	4
L475N 9450E	Soil	2.6	196.0	22.6	195	0.6	31.7	13.1	209	2.85	10.6	2.2	0.8	14	0.3	0.3	0.3	57	0.12	0.066	3
L475N 9475E	Soil	3.4	215.6	25.8	143	0.6	31.2	14.1	184	3.21	12.4	6.7	0.7	20	0.2	0.3	0.3	63	0.17	0.042	3
L475N 9500E	Soil	3.6	233.8	24.0	177	0.7	39.4	17.2	259	3.34	11.5	3.9	0.7	21	0.4	0.3	0.3	68	0.19	0.038	2
L475N 9525E	Soil	1.8	144.0	21.0	181	0.5	36.6	15.3	207	3.02	8.9	<0.5	0.8	23	0.3	0.2	0.3	61	0.21	0.052	3
L475N 9550E	Soil	2.9	211.9	26.8	166	0.5	34.9	17.1	295	3.46	12.4	2.4	0.6	22	0.4	0.3	0.4	64	0.14	0.056	3
L475N 9575E	Soil	3.4	245.4	36.3	172	0.9	39.8	16.9	318	3.53	15.7	2.5	0.7	25	0.2	0.5	0.4	69	0.15	0.041	3
L425N 9350E	Soil	6.4	541.9	15.5	178	0.7	34.4	16.0	312	3.08	12.2	6.5	1.0	12	0.2	0.3	0.2	79	0.12	0.069	3
L425N 9375E	Soil	7.1	512.9	13.8	182	1.0	34.4	16.7	301	3.24	11.9	1.6	0.9	12	0.2	0.2	0.2	79	0.12	0.081	3
L425N 9400E	Soil	4.9	409.7	11.8	134	0.5	25.9	12.2	222	2.87	10.0	0.5	0.9	11	0.2	0.3	0.2	70	0.10	0.075	3
L425N 9425E	Soil	4.2	233.7	21.8	165	0.7	30.9	14.1	207	2.95	12.2	1.1	0.6	14	0.3	0.3	0.3	61	0.13	0.057	2
L425N 9450E	Soil	3.8	208.0	19.5	184	0.6	33.8	14.1	194	3.05	11.2	<0.5	0.6	14	0.3	0.3	0.3	64	0.14	0.053	2
L425N 9475E	Soil	3.7	205.6	20.8	184	0.6	38.6	15.4	222	3.03	11.2	<0.5	0.6	13	0.3	0.2	0.3	65	0.13	0.055	2
L425N 9500E	Soil	2.8	144.4	19.8	217	0.4	32.6	15.4	460	2.84	9.0	<0.5	0.5	13	0.4	0.2	0.3	60	0.16	0.069	2
L425N 9525E	Soil	2.2	168.0	21.6	213	0.7	32.3	14.3	264	2.80	7.1	3.3	0.5	23	0.4	0.2	0.3	59	0.26	0.063	3
L425N 9550E	Soil	2.6	154.1	31.5	287	1.0	30.7	17.9	479	3.10	14.8	10.5	0.9	12	0.8	0.3	0.5	59	0.12	0.092	3
L425N 9575E	Soil	4.0	161.5	20.4	168	0.7	19.1	14.5	754	3.86	13.4	3.1	0.6	11	1.0	0.3	0.4	68	0.11	0.099	2
L575N 7300E	Soil	2.9	83.1	12.7	96	0.7	6.8	4.2	101	2.60	3.8	<0.5	0.6	10	0.2	<0.1	0.4	56	0.08	0.073	3
L575N 7350E	Soil	12.6	319.0	10.4	136	0.9	15.5	9.3	267	3.85	8.0	5.2	1.0	14	<0.1	0.2	0.7	87	0.13	0.067	3

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Project: WHIPSAW
Report Date: October 31, 2012

CERTIFICATE OF ANALYSIS VAN12005009.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L575N 9375E	Soil		75	1.22	60	0.081	<20	1.96	0.007	0.05	<0.1	0.01	3.6	<0.1	<0.05	6	<0.5	<0.2
L575N 9400E	Soil		81	0.75	81	0.086	<20	1.97	0.009	0.06	0.1	0.05	3.6	<0.1	<0.05	7	0.7	0.3
L575N 9425E	Soil		74	0.67	58	0.085	<20	1.93	0.009	0.05	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	0.3
L575N 9450E	Soil		95	0.76	59	0.093	<20	2.21	0.008	0.04	0.1	0.03	3.6	<0.1	<0.05	7	<0.5	0.2
L575N 9475E	Soil		76	0.72	72	0.095	<20	2.24	0.011	0.05	0.1	<0.01	3.2	<0.1	<0.05	6	<0.5	0.2
L575N 9500E	Soil		75	0.75	50	0.094	<20	2.11	0.008	0.03	0.1	0.03	3.6	<0.1	<0.05	6	<0.5	<0.2
L575N 9525E	Soil		55	0.38	47	0.070	<20	1.78	0.011	0.02	<0.1	0.02	2.3	0.1	<0.05	5	<0.5	<0.2
L575N 9550E	Soil		97	0.79	56	0.084	<20	2.17	0.007	0.05	0.1	<0.01	3.4	<0.1	<0.05	6	<0.5	0.3
L575N 9575E	Soil		74	0.81	69	0.092	<20	2.29	0.009	0.05	0.1	0.02	3.3	<0.1	<0.05	7	<0.5	<0.2
L475N 9375E	Soil		56	0.66	57	0.109	<20	2.47	0.008	0.04	0.2	0.04	3.8	<0.1	<0.05	7	<0.5	<0.2
L475N 9400E	Soil		55	0.61	48	0.102	<20	2.00	0.009	0.03	0.1	0.03	3.1	<0.1	<0.05	7	<0.5	<0.2
L475N 9425E	Soil		43	0.57	65	0.086	<20	1.77	0.014	0.03	<0.1	0.01	2.8	<0.1	<0.05	6	<0.5	0.3
L475N 9450E	Soil		47	0.56	76	0.081	<20	1.90	0.010	0.05	0.1	0.02	2.6	<0.1	<0.05	5	<0.5	0.3
L475N 9475E	Soil		55	0.68	79	0.089	<20	1.98	0.010	0.05	0.2	0.02	3.3	<0.1	<0.05	6	<0.5	0.3
L475N 9500E	Soil		67	0.84	73	0.089	<20	2.12	0.009	0.06	0.1	0.01	3.4	<0.1	<0.05	6	<0.5	0.3
L475N 9525E	Soil		55	0.79	86	0.088	<20	2.00	0.009	0.08	0.1	<0.01	3.3	<0.1	<0.05	6	<0.5	0.4
L475N 9550E	Soil		65	0.78	93	0.081	<20	2.01	0.009	0.06	0.2	0.04	3.2	<0.1	<0.05	6	<0.5	0.3
L475N 9575E	Soil		73	0.86	97	0.093	<20	2.17	0.009	0.07	0.1	0.02	3.6	<0.1	<0.05	6	<0.5	0.3
L425N 9350E	Soil		74	0.97	75	0.113	<20	2.37	0.008	0.04	0.2	0.03	4.6	<0.1	<0.05	7	<0.5	0.2
L425N 9375E	Soil		69	0.86	86	0.111	<20	2.48	0.010	0.05	0.1	0.04	4.5	<0.1	<0.05	7	<0.5	0.4
L425N 9400E	Soil		58	0.67	70	0.108	<20	2.45	0.011	0.02	0.1	0.02	3.8	<0.1	<0.05	7	<0.5	<0.2
L425N 9425E	Soil		57	0.67	69	0.079	<20	1.76	0.008	0.05	<0.1	0.04	3.0	<0.1	<0.05	5	<0.5	0.3
L425N 9450E	Soil		59	0.73	73	0.081	<20	1.86	0.009	0.05	<0.1	0.02	3.1	<0.1	<0.05	6	<0.5	0.3
L425N 9475E	Soil		64	0.77	73	0.083	<20	1.95	0.008	0.05	0.1	0.02	3.1	<0.1	<0.05	6	<0.5	0.2
L425N 9500E	Soil		52	0.69	77	0.083	<20	1.76	0.009	0.06	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	0.2
L425N 9525E	Soil		56	0.78	85	0.074	<20	2.02	0.009	0.08	<0.1	0.03	3.3	<0.1	<0.05	6	<0.5	0.2
L425N 9550E	Soil		47	0.66	70	0.086	<20	2.05	0.009	0.07	<0.1	0.02	3.2	<0.1	<0.05	6	<0.5	0.5
L425N 9575E	Soil		28	0.34	56	0.108	<20	1.63	0.013	0.02	1.4	0.05	2.3	<0.1	<0.05	7	<0.5	0.3
L575N 7300E	Soil		15	0.33	84	0.082	<20	1.44	0.007	0.05	0.1	0.04	2.3	<0.1	<0.05	8	<0.5	<0.2
L575N 7350E	Soil		30	0.90	124	0.095	<20	2.36	0.010	0.08	0.1	0.03	6.0	<0.1	<0.05	9	<0.5	0.5

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Project: WHIPSAW
Report Date: October 31, 2012

CERTIFICATE OF ANALYSIS VAN12005009.1

	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	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L575N 7375E	Soil	8.8	240.9	17.1	147	1.1	15.7	9.5	221	3.60	7.4	2.7	0.9	23	0.3	0.2	0.7	80	0.22	0.058	4
L575N 7400E	Soil	8.0	107.1	21.5	87	1.4	7.8	4.0	97	3.62	4.9	3.2	0.7	8	0.2	0.2	0.6	80	0.06	0.063	3
L575N 7425E	Soil	6.0	414.8	15.4	272	0.4	8.6	5.6	197	1.83	1.4	9.7	0.2	30	1.3	0.1	0.4	44	0.25	0.042	22
L575N 7450E	Soil	3.3	169.4	16.8	542	0.5	11.7	5.8	186	2.66	1.8	2.5	0.4	32	1.5	<0.1	0.5	53	0.27	0.044	6
L575N 7475E	Soil	4.7	533.8	20.7	380	0.9	12.8	10.2	438	2.82	2.1	14.0	0.2	41	2.0	0.1	0.5	43	0.43	0.124	23
L575N 7500E	Soil	3.0	57.8	16.9	134	0.7	7.9	4.5	111	2.78	3.6	<0.5	0.4	7	0.2	0.2	0.5	55	0.07	0.083	2
L575N 7525E	Soil	5.9	72.7	16.8	85	0.7	5.9	4.3	111	2.95	4.0	4.7	0.9	9	0.2	0.1	0.6	62	0.07	0.075	3
L575N 7550E	Soil	7.9	101.5	17.9	81	0.8	6.7	4.7	171	3.27	4.6	3.0	0.6	13	0.2	0.2	0.6	64	0.12	0.077	3
L575N 7575E	Soil	6.0	79.6	12.8	76	0.6	5.6	4.2	131	3.06	3.3	4.6	0.9	8	<0.1	0.1	0.4	65	0.08	0.071	3
L575N 7600E	Soil	5.1	68.4	13.7	56	0.7	4.6	3.6	126	2.80	3.2	3.7	1.1	6	0.1	0.1	0.4	60	0.04	0.074	3
L575N 7625E	Soil	5.1	110.5	13.7	100	0.8	10.2	6.6	124	2.54	2.6	4.5	0.5	19	0.1	0.1	0.5	56	0.20	0.050	4
L575N 7650E	Soil	3.1	87.1	12.8	72	0.6	8.9	5.4	101	2.10	1.7	17.5	0.3	16	0.1	<0.1	0.5	43	0.17	0.045	4
L575N 7675E	Soil	1.9	81.0	12.6	60	1.1	7.6	4.2	79	1.64	1.4	4.8	0.2	15	0.2	<0.1	0.5	38	0.17	0.039	4
L575N 7700E	Soil	2.2	74.3	11.0	71	0.5	9.0	5.0	137	1.95	2.8	3.2	0.5	16	<0.1	0.1	0.4	44	0.17	0.070	3
L575N 7725E	Soil	2.4	74.0	10.8	72	0.6	10.5	5.7	126	2.56	3.9	3.9	0.5	16	0.2	0.1	0.4	51	0.17	0.064	3
L575N 7750E	Soil	3.0	122.5	10.6	79	0.7	12.2	6.9	145	2.70	4.0	5.3	0.4	16	0.2	0.2	0.5	55	0.14	0.064	3
L575N 7775E	Soil	2.4	107.6	9.3	68	0.8	11.3	6.4	108	2.32	3.1	2.7	0.3	21	0.1	0.1	0.4	48	0.17	0.043	3
L575N 7800E	Soil	2.1	156.7	12.0	178	1.4	12.9	11.5	546	2.99	6.7	5.2	0.6	20	0.4	0.2	0.8	56	0.18	0.052	7
L575N 7825E	Soil	1.8	96.3	10.4	195	0.6	12.2	11.6	958	2.88	5.0	1.5	0.5	25	0.6	0.2	0.6	53	0.22	0.064	4
L575N 7850E	Soil	2.1	149.1	11.0	342	0.2	15.0	11.6	414	3.30	5.7	7.7	0.7	16	0.6	0.2	0.5	65	0.14	0.056	5
L575N 7875E	Soil	1.5	119.6	9.6	265	0.4	9.5	7.0	150	2.56	3.0	3.8	0.5	18	0.3	0.1	0.3	57	0.17	0.052	3
L575N 7900E	Soil	1.9	95.4	10.4	173	0.5	10.4	8.5	176	2.99	3.0	5.3	0.7	15	0.3	0.2	0.4	58	0.14	0.067	3
L575N 7925E	Soil	0.8	32.3	7.3	82	0.3	5.8	3.9	149	2.56	3.1	3.3	0.7	4	0.1	0.2	0.3	50	0.05	0.129	2
L575N 7950E	Soil	2.1	101.6	8.6	222	0.6	12.3	9.7	267	2.81	2.9	3.9	0.5	15	0.2	0.2	0.4	56	0.14	0.076	3
L575N 7975E	Soil	2.7	109.6	9.2	177	0.7	12.3	10.5	338	2.82	4.0	5.2	0.8	12	0.4	0.2	0.3	58	0.13	0.075	3
L575N 8000E	Soil	3.8	140.4	7.9	180	0.5	12.1	11.6	196	2.77	3.7	10.6	0.6	13	0.2	0.2	0.4	54	0.12	0.059	3
L575N 8025E	Soil	3.7	91.3	7.6	62	0.7	10.2	6.0	153	2.59	4.7	7.3	0.6	7	0.1	0.1	0.3	53	0.08	0.069	3
L575N 8050E	Soil	21.7	111.3	29.1	100	4.3	9.8	7.8	325	3.15	8.7	153.4	0.6	16	0.2	0.3	0.6	57	0.12	0.090	3
L575N 8075E	Soil	6.0	189.6	7.5	107	0.5	12.8	9.6	154	2.78	3.9	12.2	0.8	10	<0.1	0.1	0.4	58	0.08	0.064	3
L575N 8100E	Soil	7.3	203.0	9.0	94	0.8	13.3	8.4	179	2.96	5.5	7.0	0.9	10	0.3	0.2	0.4	60	0.10	0.066	3

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Project: WHIPSAW
Report Date: October 31, 2012

CERTIFICATE OF ANALYSIS VAN12005009.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L575N 7375E	Soil		30	0.77	169	0.094	<20	2.09	0.010	0.08	0.2	0.07	4.9	<0.1	<0.05	8	<0.5	0.7
L575N 7400E	Soil		20	0.49	98	0.111	<20	1.67	0.011	0.05	0.2	0.07	3.8	<0.1	<0.05	9	0.7	0.4
L575N 7425E	Soil		13	0.42	82	0.098	<20	1.56	0.017	0.03	0.1	0.03	3.1	0.1	<0.05	8	1.0	0.2
L575N 7450E	Soil		18	0.42	212	0.119	<20	1.36	0.016	0.04	0.1	0.02	3.0	<0.1	<0.05	9	0.6	0.3
L575N 7475E	Soil		24	0.38	196	0.055	<20	1.98	0.011	0.07	<0.1	0.14	2.8	<0.1	<0.05	7	1.2	0.4
L575N 7500E	Soil		15	0.33	64	0.095	<20	1.45	0.009	0.04	0.2	0.03	1.9	<0.1	<0.05	8	<0.5	0.5
L575N 7525E	Soil		11	0.32	81	0.110	<20	2.01	0.011	0.05	0.1	0.05	3.2	<0.1	<0.05	9	<0.5	0.4
L575N 7550E	Soil		13	0.43	106	0.097	<20	1.67	0.010	0.08	0.4	0.07	3.1	<0.1	<0.05	7	<0.5	0.5
L575N 7575E	Soil		11	0.36	67	0.105	<20	2.18	0.011	0.05	0.2	0.05	2.9	<0.1	<0.05	8	<0.5	0.3
L575N 7600E	Soil		10	0.28	67	0.111	<20	2.49	0.011	0.03	0.2	0.06	2.9	<0.1	<0.05	8	<0.5	0.3
L575N 7625E	Soil		17	0.43	81	0.088	<20	1.56	0.012	0.05	0.1	0.04	2.7	<0.1	<0.05	9	<0.5	0.4
L575N 7650E	Soil		17	0.37	72	0.062	<20	1.29	0.009	0.03	0.1	0.04	2.1	<0.1	<0.05	7	<0.5	0.3
L575N 7675E	Soil		14	0.29	64	0.062	<20	1.06	0.011	0.03	0.1	0.03	1.7	<0.1	<0.05	6	<0.5	0.2
L575N 7700E	Soil		17	0.33	104	0.073	<20	1.30	0.010	0.05	0.2	0.05	2.0	<0.1	<0.05	7	<0.5	<0.2
L575N 7725E	Soil		19	0.34	81	0.077	<20	1.46	0.009	0.03	0.2	0.06	2.0	<0.1	<0.05	7	<0.5	0.4
L575N 7750E	Soil		21	0.43	81	0.075	<20	1.71	0.009	0.06	0.2	0.03	2.3	<0.1	<0.05	7	<0.5	0.2
L575N 7775E	Soil		19	0.40	106	0.080	<20	1.33	0.008	0.05	0.2	0.03	2.4	<0.1	<0.05	7	<0.5	0.3
L575N 7800E	Soil		20	0.53	156	0.083	<20	1.86	0.009	0.07	0.2	0.04	3.0	<0.1	<0.05	8	<0.5	0.8
L575N 7825E	Soil		18	0.52	182	0.087	<20	1.73	0.009	0.09	0.2	0.02	2.4	<0.1	<0.05	8	<0.5	0.6
L575N 7850E	Soil		26	0.67	125	0.086	<20	1.89	0.008	0.06	0.2	0.03	3.4	<0.1	<0.05	7	<0.5	0.4
L575N 7875E	Soil		17	0.53	102	0.100	<20	1.48	0.010	0.05	0.2	0.02	2.6	<0.1	<0.05	8	<0.5	<0.2
L575N 7900E	Soil		17	0.45	91	0.109	<20	1.53	0.011	0.05	0.1	0.01	2.5	<0.1	<0.05	8	<0.5	0.4
L575N 7925E	Soil		12	0.24	48	0.096	<20	1.78	0.008	0.03	0.2	0.02	1.8	<0.1	<0.05	8	<0.5	<0.2
L575N 7950E	Soil		17	0.42	103	0.091	<20	1.56	0.009	0.06	0.2	0.04	2.2	<0.1	<0.05	7	0.5	0.4
L575N 7975E	Soil		19	0.44	95	0.091	<20	1.99	0.009	0.04	0.2	0.02	2.5	<0.1	<0.05	7	<0.5	0.5
L575N 8000E	Soil		19	0.43	75	0.087	<20	1.65	0.008	0.03	0.2	0.04	2.5	<0.1	<0.05	7	<0.5	0.3
L575N 8025E	Soil		21	0.37	58	0.083	<20	2.03	0.010	0.02	0.2	0.04	2.4	<0.1	<0.05	6	<0.5	0.5
L575N 8050E	Soil		20	0.41	138	0.098	<20	1.59	0.009	0.07	0.1	0.04	2.1	<0.1	<0.05	7	<0.5	2.9
L575N 8075E	Soil		24	0.46	62	0.095	<20	1.82	0.010	0.03	0.2	0.05	2.9	<0.1	<0.05	7	<0.5	0.3
L575N 8100E	Soil		27	0.46	72	0.099	<20	2.04	0.008	0.04	0.2	0.05	2.9	<0.1	<0.05	7	<0.5	0.4

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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	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L575N 8125E	Soil		7.0	157.8	8.1	313	0.4	17.4	12.1	262	3.41	4.7	3.4	0.9	10	0.2	0.1	0.4	71	0.09	0.084	3
L575N 8150E	Soil		5.6	159.7	9.5	251	0.8	18.2	12.2	287	3.39	6.2	8.7	0.9	11	0.3	0.2	0.6	69	0.12	0.085	3
L575N 8175E	Soil		10.9	156.4	10.0	208	1.1	19.7	9.5	258	4.49	6.1	10.3	1.0	16	0.3	0.2	0.7	89	0.10	0.080	4
L375N 7200E	Soil		2.3	105.8	26.9	189	1.9	11.9	10.7	480	3.31	14.0	8.7	0.8	23	0.3	0.2	0.4	62	0.25	0.085	8
L375N 7225E	Soil		2.8	111.9	19.6	206	0.7	13.6	9.0	348	3.33	11.5	3.1	0.8	19	0.2	0.2	0.4	64	0.23	0.092	6
L375N 7250E	Soil		3.0	136.6	21.5	184	3.0	11.7	10.2	1337	3.36	10.4	12.1	0.3	33	0.5	0.2	0.5	63	0.31	0.052	29
L375N 7275E	Soil		5.3	88.4	16.3	103	1.2	7.2	5.2	162	3.12	4.7	4.7	0.6	15	0.3	0.1	0.6	64	0.15	0.071	3
L375N 7300E	Soil		3.4	55.0	11.0	73	0.5	5.2	4.7	184	2.25	4.1	3.5	0.9	6	0.2	0.1	0.4	52	0.06	0.113	2
L375N 7325E	Soil		4.1	112.7	12.1	95	0.8	7.5	5.9	128	2.91	5.3	4.5	1.1	7	0.1	0.2	0.4	62	0.06	0.071	3
L375N 7350E	Soil		6.4	256.3	15.3	122	0.9	11.1	9.6	177	3.73	7.3	11.8	1.0	22	0.3	0.2	0.6	73	0.20	0.072	5
L375N 7375E	Soil		5.2	72.0	10.0	128	1.1	5.4	3.6	98	3.22	4.7	3.6	1.0	7	0.3	0.1	0.4	72	0.07	0.052	3
L375N 7475E	Soil		7.1	214.9	13.2	122	0.8	9.0	9.9	240	3.22	5.7	6.4	0.8	13	0.2	0.1	0.6	73	0.15	0.101	4
L375N 7500E	Soil		6.6	192.0	11.3	105	1.1	9.5	8.9	211	3.49	7.0	2.2	1.4	9	0.2	0.2	0.5	79	0.09	0.096	4
L375N 7525E	Soil		7.4	230.4	9.6	146	1.2	14.7	9.8	200	3.60	7.0	2.2	0.8	14	0.5	0.1	0.5	84	0.12	0.093	3
L375N 7550E	Soil		10.5	366.0	9.1	138	1.1	15.4	11.5	253	4.01	9.1	12.7	0.6	19	0.4	0.2	0.6	94	0.15	0.110	3
L375N 7575E	Soil		9.9	300.4	15.8	138	1.0	10.5	11.2	227	4.11	8.2	4.9	0.7	13	0.3	0.2	0.7	89	0.10	0.074	4
L375N 7600E	Soil		10.8	332.8	14.8	125	0.9	11.4	14.4	329	4.34	8.7	7.5	0.9	20	0.2	0.2	0.8	90	0.17	0.083	4
L375N 7625E	Soil		17.4	542.5	26.4	177	1.9	13.9	14.5	260	5.78	12.1	15.7	1.5	20	0.3	0.3	1.1	107	0.14	0.123	4
L375N 7650E	Soil		11.7	290.4	19.6	145	0.9	11.3	11.6	399	4.55	8.0	6.2	1.0	20	0.2	0.2	0.8	98	0.16	0.084	4
L375N 7675E	Soil		7.9	248.3	10.8	105	0.4	15.1	12.7	314	3.60	7.1	3.8	0.7	21	0.2	0.2	0.6	76	0.16	0.070	4
L375N 7700E	Soil		3.7	226.6	10.3	357	2.0	17.5	10.0	420	3.38	4.3	8.5	0.7	29	0.4	0.2	0.5	68	0.25	0.042	6
L375N 7725E	Soil		3.8	171.5	9.9	129	1.5	19.9	12.1	272	4.04	7.9	16.7	0.9	17	0.4	0.2	0.5	75	0.24	0.091	4
L375N 7750E	Soil		1.9	67.4	9.4	180	0.7	11.1	6.2	148	2.77	3.7	<0.5	0.6	18	0.2	<0.1	0.4	58	0.16	0.067	3
L375N 7775E	Soil		2.4	71.7	10.4	100	0.8	12.8	6.6	132	2.96	5.7	8.7	0.7	19	0.2	0.2	0.4	60	0.11	0.091	3
L375N 7800E	Soil		1.6	77.6	10.2	142	1.8	11.4	6.2	195	2.48	4.2	8.5	0.5	26	0.3	<0.1	0.5	48	0.23	0.027	8
L375N 7825E	Soil		1.7	82.8	8.9	183	1.1	18.3	10.0	325	2.74	3.4	4.1	0.5	25	0.4	<0.1	0.5	57	0.25	0.040	5
L375N 7850E	Soil		3.2	109.1	9.8	134	1.4	21.5	10.9	252	3.43	6.4	3.7	0.8	25	0.3	0.2	0.4	68	0.21	0.073	5
L375N 7875E	Soil		2.5	93.5	12.3	221	1.0	18.0	11.8	378	3.14	5.7	2.7	0.9	19	0.5	0.1	0.4	64	0.17	0.099	6
L375N 7900E	Soil		2.4	73.3	13.9	204	0.9	17.0	11.6	382	3.19	5.0	4.4	1.4	16	0.5	0.1	0.4	61	0.14	0.112	4
L375N 7925E	Soil		2.8	96.1	10.4	173	1.3	16.3	11.8	316	3.46	6.9	8.8	1.4	16	0.5	0.1	0.8	65	0.13	0.097	5

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Project: WHIPSAW
Report Date: October 31, 2012

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		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L575N 8125E	Soil		27	0.60	84	0.111	<20	2.32	0.011	0.06	0.2	0.03	3.3	<0.1	<0.05	8	<0.5	0.5
L575N 8150E	Soil		31	0.65	96	0.106	<20	2.30	0.008	0.05	0.1	0.02	3.5	<0.1	<0.05	8	<0.5	0.7
L575N 8175E	Soil		36	0.84	196	0.143	<20	2.36	0.010	0.13	0.2	0.04	4.5	<0.1	<0.05	9	<0.5	1.2
L375N 7200E	Soil		23	0.52	353	0.076	<20	1.92	0.008	0.08	0.1	0.04	3.6	<0.1	<0.05	8	<0.5	0.6
L375N 7225E	Soil		23	0.55	434	0.087	<20	1.96	0.009	0.09	0.1	0.03	3.6	<0.1	<0.05	8	<0.5	0.4
L375N 7250E	Soil		20	0.54	561	0.077	<20	2.59	0.012	0.10	<0.1	0.09	4.7	0.1	<0.05	11	0.7	0.3
L375N 7275E	Soil		16	0.40	141	0.097	<20	1.92	0.009	0.05	0.2	0.07	2.6	<0.1	<0.05	8	<0.5	0.4
L375N 7300E	Soil		11	0.26	55	0.095	<20	2.06	0.008	0.03	0.1	0.06	2.2	<0.1	<0.05	7	0.6	<0.2
L375N 7325E	Soil		16	0.38	63	0.100	<20	2.33	0.008	0.03	0.2	0.07	2.8	<0.1	<0.05	8	<0.5	0.3
L375N 7350E	Soil		22	0.69	146	0.081	<20	1.62	0.008	0.07	0.2	0.03	4.3	<0.1	<0.05	6	<0.5	0.5
L375N 7375E	Soil		13	0.33	75	0.112	<20	1.88	0.008	0.04	0.1	0.06	2.7	<0.1	<0.05	10	<0.5	0.2
L375N 7475E	Soil		20	0.58	88	0.082	<20	1.88	0.008	0.07	0.2	0.05	3.7	<0.1	<0.05	6	<0.5	0.6
L375N 7500E	Soil		20	0.52	97	0.097	<20	2.31	0.010	0.07	0.2	0.03	3.9	<0.1	<0.05	8	<0.5	0.8
L375N 7525E	Soil		27	0.70	109	0.101	<20	2.19	0.010	0.08	0.1	0.01	4.1	<0.1	<0.05	8	<0.5	0.6
L375N 7550E	Soil		33	0.77	124	0.084	<20	2.13	0.017	0.08	0.1	0.02	5.3	<0.1	<0.05	8	<0.5	0.7
L375N 7575E	Soil		18	0.69	93	0.104	<20	2.29	0.012	0.06	0.2	0.02	4.6	<0.1	<0.05	8	<0.5	0.7
L375N 7600E	Soil		20	0.82	139	0.092	<20	2.06	0.009	0.11	0.2	<0.01	5.7	<0.1	<0.05	8	<0.5	0.8
L375N 7625E	Soil		22	1.00	157	0.135	<20	3.07	0.010	0.13	0.3	0.06	7.5	<0.1	<0.05	9	<0.5	1.0
L375N 7650E	Soil		17	0.81	147	0.127	<20	2.54	0.010	0.10	0.2	0.02	5.9	<0.1	<0.05	9	0.7	0.7
L375N 7675E	Soil		29	0.73	155	0.072	<20	1.79	0.007	0.08	0.2	0.02	4.2	<0.1	<0.05	6	0.7	0.6
L375N 7700E	Soil		26	0.65	173	0.100	<20	2.35	0.012	0.06	0.1	0.01	3.7	<0.1	<0.05	9	0.5	0.5
L375N 7725E	Soil		36	0.94	144	0.093	<20	2.00	0.010	0.15	0.1	0.02	4.1	<0.1	<0.05	7	0.7	0.9
L375N 7750E	Soil		22	0.45	98	0.093	<20	1.52	0.009	0.03	<0.1	0.02	2.0	<0.1	<0.05	8	<0.5	0.4
L375N 7775E	Soil		27	0.50	149	0.079	<20	1.70	0.008	0.05	0.1	0.02	2.4	<0.1	<0.05	8	0.6	0.7
L375N 7800E	Soil		23	0.52	170	0.094	<20	1.49	0.012	0.05	0.1	0.02	2.7	<0.1	<0.05	8	<0.5	0.3
L375N 7825E	Soil		35	0.72	139	0.095	<20	1.65	0.010	0.05	<0.1	0.03	2.5	<0.1	<0.05	8	<0.5	0.6
L375N 7850E	Soil		39	0.81	120	0.085	<20	2.05	0.009	0.07	<0.1	0.04	3.1	<0.1	<0.05	8	<0.5	0.5
L375N 7875E	Soil		32	0.65	101	0.088	<20	2.15	0.008	0.07	0.1	0.03	3.2	<0.1	<0.05	8	<0.5	0.4
L375N 7900E	Soil		29	0.65	129	0.091	<20	2.19	0.010	0.08	0.1	0.02	3.1	<0.1	<0.05	8	<0.5	0.6
L375N 7925E	Soil		26	0.68	119	0.101	<20	2.16	0.009	0.08	0.1	0.03	3.2	<0.1	<0.05	8	<0.5	1.4

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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	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L375N 7950E	Soil		2.9	86.8	10.5	193	0.6	15.5	12.9	564	3.69	6.6	0.9	0.9	19	0.6	0.1	0.7	69	0.19	0.119	3
L375N 7975E	Soil		3.7	104.4	10.4	180	1.3	15.4	11.1	384	3.43	8.2	3.1	1.0	15	0.4	0.2	0.7	70	0.13	0.063	4
L375N 8000E	Soil		5.9	173.4	11.5	287	1.1	19.3	15.9	334	3.77	9.4	10.7	0.9	14	0.4	0.2	0.7	71	0.14	0.066	4
L375N 8025E	Soil		4.9	180.7	12.3	278	1.5	18.7	13.8	468	3.65	9.1	5.9	1.0	17	0.7	0.2	0.8	70	0.16	0.077	5
L375N 8050E	Soil		4.6	126.2	13.1	208	1.1	18.3	13.3	461	3.40	8.1	20.8	0.9	22	0.4	0.2	0.7	64	0.20	0.068	4
L375N 8075E	Soil		4.3	161.2	7.8	180	1.0	18.7	14.0	455	3.06	7.1	9.8	0.9	18	0.5	0.1	0.5	59	0.17	0.078	4
L375N 8100E	Soil		7.0	145.5	9.6	160	0.9	20.6	13.2	366	3.30	6.8	6.9	0.9	17	0.4	0.2	0.5	65	0.16	0.067	4
L375N 8125E	Soil		5.0	191.0	8.6	210	0.7	20.2	14.1	484	3.77	8.1	5.0	0.9	15	0.6	0.2	0.6	70	0.13	0.064	4
L375N 8150E	Soil		5.9	166.2	8.5	175	0.7	18.6	12.2	323	3.55	8.0	5.1	0.9	13	0.4	0.2	0.5	66	0.12	0.059	4
L375N 8175E	Soil		5.5	124.0	8.6	136	0.7	15.9	11.3	336	3.01	6.1	3.7	0.8	14	0.5	0.1	0.4	59	0.13	0.070	4
L525N 9375E	Soil		7.3	794.9	13.9	286	1.2	50.9	16.6	250	3.69	13.4	8.2	0.8	16	0.6	0.2	0.3	89	0.16	0.072	3
L525N 9400E	Soil		2.7	440.7	14.4	227	1.3	42.1	13.6	262	2.60	7.4	3.2	1.3	9	0.4	0.2	0.2	52	0.09	0.095	3
L525N 9425E	Soil		3.1	295.8	23.3	208	0.9	44.6	12.6	176	3.15	9.3	<0.5	0.5	18	0.2	0.2	0.3	63	0.16	0.065	2
L525N 9450E	Soil		3.5	253.1	23.1	210	0.9	42.2	14.1	165	3.15	11.6	2.2	0.7	16	0.5	0.4	0.2	61	0.15	0.070	3
L525N 9475E	Soil		5.2	287.4	25.6	122	0.7	38.1	14.6	231	4.11	13.6	2.8	0.7	35	0.3	0.2	0.4	77	0.14	0.054	3
L525N 9500E	Soil		3.1	265.8	23.2	158	0.9	37.2	16.4	213	3.41	12.7	3.2	0.8	17	<0.1	0.3	0.3	68	0.14	0.056	3
L525N 9525E	Soil		2.9	198.7	28.6	177	0.7	33.4	16.3	280	3.31	10.1	1.1	0.8	16	0.3	0.2	0.3	61	0.12	0.064	3
L525N 9550E	Soil		2.5	209.5	28.9	169	0.9	32.5	15.9	353	3.34	10.8	0.8	1.0	16	0.3	0.3	0.4	62	0.11	0.068	3
L525N 9575E	Soil		3.5	298.5	41.9	186	0.9	40.9	20.1	366	3.50	12.9	34.5	0.7	21	0.4	0.5	0.4	70	0.13	0.058	3
L375N 9350E	Soil		5.8	476.6	14.4	176	1.0	33.2	17.4	276	2.97	10.4	7.5	0.9	16	0.3	0.3	0.3	78	0.14	0.084	3
L375N 9375E	Soil		5.4	468.7	14.2	175	0.9	34.7	16.9	282	3.30	11.2	5.4	1.1	11	0.3	0.2	0.2	81	0.09	0.084	4
L375N 9400E	Soil		9.0	505.8	16.2	166	1.1	34.9	16.8	290	3.91	14.7	5.1	0.7	17	0.1	0.4	0.3	95	0.17	0.077	2
L375N 9425E	Soil		7.0	375.3	20.1	227	0.9	41.2	20.0	227	3.64	13.5	2.2	0.7	12	0.2	0.3	0.2	81	0.15	0.064	2
L375N 9450E	Soil		5.4	252.7	23.5	263	0.5	38.8	18.6	241	2.88	14.3	1.2	0.6	13	0.5	0.5	0.3	74	0.16	0.061	2
L375N 9475E	Soil		5.4	257.2	24.9	322	1.1	42.8	19.8	295	3.33	13.4	3.4	0.6	12	0.4	0.4	0.3	75	0.15	0.057	3
L375N 9500E	Soil		3.4	240.7	20.4	251	0.7	36.9	17.9	306	3.45	12.6	4.6	0.6	18	0.2	0.5	0.2	79	0.22	0.038	3
L375N 9525E	Soil		4.0	247.6	25.0	361	0.9	39.7	19.3	258	2.73	12.6	3.2	0.6	11	0.6	0.4	0.3	65	0.13	0.060	2
L375N 9550E	Soil		4.8	214.8	37.5	299	0.9	31.8	19.3	438	3.30	16.8	4.1	0.7	14	0.7	0.7	0.3	72	0.14	0.064	3
L375N 9575E	Soil		6.0	267.2	39.6	343	0.8	33.2	21.3	766	3.61	18.5	3.9	0.8	19	1.1	0.8	0.4	76	0.19	0.066	3
L625N 9350E	Soil		12.1	650.0	30.2	535	1.0	57.1	46.0	754	3.23	10.6	4.0	0.4	21	2.3	0.2	0.2	75	0.35	0.049	4

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		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L375N 7950E	Soil		29	0.68	137	0.113	<20	2.06	0.010	0.10	0.1	0.02	3.2	<0.1	<0.05	8	<0.5	1.2
L375N 7975E	Soil		29	0.61	95	0.095	<20	2.01	0.009	0.05	0.1	0.02	3.2	<0.1	<0.05	8	<0.5	1.1
L375N 8000E	Soil		32	0.70	92	0.097	<20	2.07	0.010	0.06	0.2	0.03	3.3	<0.1	<0.05	7	<0.5	1.3
L375N 8025E	Soil		32	0.68	112	0.100	<20	2.13	0.011	0.06	0.2	0.03	3.7	<0.1	<0.05	7	<0.5	1.5
L375N 8050E	Soil		33	0.65	112	0.096	<20	2.05	0.009	0.08	0.2	0.02	3.1	<0.1	<0.05	7	<0.5	1.0
L375N 8075E	Soil		32	0.64	122	0.083	<20	1.88	0.010	0.07	0.9	0.02	3.6	<0.1	<0.05	6	<0.5	0.5
L375N 8100E	Soil		39	0.74	121	0.095	<20	1.98	0.009	0.06	<0.1	0.02	3.3	<0.1	<0.05	7	<0.5	0.8
L375N 8125E	Soil		35	0.78	111	0.102	<20	2.32	0.009	0.06	0.1	0.02	4.1	<0.1	<0.05	7	<0.5	0.8
L375N 8150E	Soil		33	0.70	96	0.092	<20	2.14	0.008	0.05	0.1	0.02	3.6	<0.1	<0.05	7	<0.5	0.8
L375N 8175E	Soil		27	0.52	105	0.096	<20	1.98	0.010	0.05	0.1	0.02	2.9	<0.1	<0.05	7	<0.5	0.3
L525N 9375E	Soil		85	1.09	79	0.120	<20	2.64	0.011	0.06	0.1	0.02	5.4	<0.1	<0.05	8	<0.5	<0.2
L525N 9400E	Soil		51	0.49	58	0.106	<20	2.71	0.013	0.03	0.1	0.05	3.6	<0.1	<0.05	7	0.7	<0.2
L525N 9425E	Soil		73	0.80	65	0.088	<20	1.96	0.011	0.05	0.1	0.03	3.2	<0.1	<0.05	6	<0.5	<0.2
L525N 9450E	Soil		65	0.73	78	0.095	<20	2.10	0.011	0.05	0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
L525N 9475E	Soil		92	0.85	109	0.100	<20	2.45	0.015	0.08	0.3	0.03	4.1	<0.1	<0.05	7	0.7	0.3
L525N 9500E	Soil		61	0.75	66	0.092	<20	2.34	0.009	0.06	0.2	0.04	3.2	<0.1	<0.05	7	<0.5	0.3
L525N 9525E	Soil		56	0.73	73	0.088	<20	2.05	0.011	0.05	0.2	0.02	3.4	<0.1	<0.05	6	<0.5	0.3
L525N 9550E	Soil		51	0.70	85	0.089	<20	2.29	0.011	0.05	0.2	0.03	3.4	<0.1	<0.05	7	<0.5	0.2
L525N 9575E	Soil		79	0.91	102	0.090	<20	2.17	0.009	0.06	0.1	0.03	3.4	<0.1	<0.05	6	0.6	0.6
L375N 9350E	Soil		72	0.89	77	0.107	<20	2.37	0.008	0.04	0.1	0.05	4.1	<0.1	<0.05	7	1.1	0.3
L375N 9375E	Soil		71	0.90	72	0.118	<20	2.83	0.009	0.03	0.1	0.04	4.4	<0.1	<0.05	8	0.6	0.3
L375N 9400E	Soil		81	0.98	71	0.139	<20	2.67	0.012	0.04	0.2	0.04	4.8	<0.1	<0.05	8	0.7	0.3
L375N 9425E	Soil		67	0.84	85	0.109	<20	2.25	0.010	0.05	0.1	0.03	3.2	<0.1	<0.05	7	0.6	0.3
L375N 9450E	Soil		66	0.94	75	0.100	<20	2.13	0.009	0.07	<0.1	0.02	3.1	<0.1	<0.05	6	1.2	0.4
L375N 9475E	Soil		67	0.96	93	0.102	<20	2.30	0.010	0.07	<0.1	0.03	3.3	<0.1	<0.05	7	1.2	0.4
L375N 9500E	Soil		66	1.17	85	0.091	<20	2.13	0.010	0.08	<0.1	0.03	4.0	<0.1	<0.05	6	<0.5	<0.2
L375N 9525E	Soil		65	0.88	75	0.100	<20	2.16	0.009	0.05	<0.1	0.03	2.8	<0.1	<0.05	6	<0.5	0.4
L375N 9550E	Soil		52	0.83	77	0.090	<20	2.11	0.007	0.05	<0.1	0.03	3.3	<0.1	<0.05	6	0.8	0.3
L375N 9575E	Soil		55	0.85	117	0.090	<20	2.21	0.010	0.08	0.1	0.03	3.8	<0.1	<0.05	6	<0.5	0.4
L625N 9350E	Soil		62	0.80	39	0.100	<20	2.13	0.014	0.07	0.1	0.04	3.8	0.2	<0.05	8	3.4	0.3

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Project: WHIPSAW
Report Date: October 31, 2012

CERTIFICATE OF ANALYSIS VAN12005009.1

		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	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L625N 9375E	Soil		4.0	208.6	25.8	255	1.2	39.2	15.9	202	3.40	14.7	3.4	0.7	13	0.5	0.3	0.2	78	0.12	0.056	2
L625N 9400E	Soil		3.6	215.9	24.9	382	1.0	45.6	13.1	190	3.25	14.6	4.5	0.6	15	0.5	0.3	0.1	76	0.17	0.061	2
L625N 9425E	Soil		3.4	252.1	19.3	598	0.8	41.0	14.4	232	2.43	8.1	2.6	0.6	19	1.6	0.2	0.2	64	0.25	0.019	3
L625N 9450E	Soil		3.1	278.8	23.2	358	1.2	42.2	16.4	258	3.54	12.3	3.7	0.7	15	1.0	0.2	0.2	79	0.15	0.068	3
L625N 9475E	Soil		3.4	266.0	29.1	321	0.9	36.9	17.8	346	3.49	15.0	2.7	0.9	12	1.1	0.4	0.2	77	0.13	0.059	3
L625N 9500E	Soil		3.1	220.8	25.1	450	0.7	43.3	20.4	294	3.57	14.7	2.2	0.9	13	1.2	0.2	0.2	81	0.12	0.055	3
L625N 9525E	Soil		3.5	220.3	27.8	421	0.9	47.9	19.1	305	3.58	15.6	2.7	0.9	11	0.7	0.2	0.2	82	0.10	0.046	3
L625N 9550E	Soil		2.7	301.8	40.4	389	0.7	44.7	18.0	212	4.61	19.5	2.8	0.7	11	0.5	0.3	0.2	118	0.13	0.052	2
L625N 9575E	Soil		2.4	373.2	12.9	166	0.4	41.5	16.9	297	3.30	7.4	1.4	1.0	9	0.2	0.1	0.2	71	0.10	0.086	3
L625N 9600E	Soil		2.9	981.2	22.2	138	0.9	41.0	27.6	328	3.16	8.4	5.5	1.1	48	0.3	0.2	0.3	71	0.08	0.161	7
L625N 9625E	Soil		5.1	915.7	16.2	205	0.9	63.9	35.1	360	3.57	13.6	3.6	1.0	25	0.4	0.2	0.2	78	0.10	0.097	5
L625N 9650E	Soil		6.9	389.3	19.7	134	1.9	32.2	12.9	248	4.49	9.9	7.2	0.9	21	0.2	0.1	0.2	114	0.12	0.063	3
L625N 9675E	Soil		1.3	70.2	25.2	135	0.5	33.6	15.6	577	3.02	8.5	0.6	0.9	11	0.2	0.1	0.2	65	0.11	0.076	3
L625N 9700E	Soil		1.2	78.9	15.3	119	0.3	34.0	16.2	564	2.96	4.8	<0.5	0.9	17	0.5	0.1	0.1	63	0.14	0.069	4

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CERTIFICATE OF ANALYSIS VAN12005009.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
L625N 9375E	Soil		67	0.96	71	0.097	<20	2.32	0.009	0.04	0.1	0.03	4.1	<0.1	<0.05	7	<0.5	0.3
L625N 9400E	Soil		67	0.94	82	0.099	<20	2.08	0.008	0.04	<0.1	0.03	3.4	<0.1	<0.05	7	1.0	<0.2
L625N 9425E	Soil		65	0.84	56	0.092	<20	1.80	0.012	0.03	<0.1	0.02	3.2	<0.1	<0.05	6	0.5	<0.2
L625N 9450E	Soil		77	0.99	75	0.105	<20	2.48	0.010	0.04	<0.1	0.03	4.1	<0.1	0.12	7	0.9	0.3
L625N 9475E	Soil		72	0.78	70	0.121	<20	2.67	0.010	0.04	<0.1	0.03	3.8	<0.1	0.06	8	<0.5	0.2
L625N 9500E	Soil		79	1.02	71	0.112	<20	2.50	0.009	0.04	<0.1	0.04	4.2	<0.1	<0.05	8	<0.5	<0.2
L625N 9525E	Soil		102	1.09	70	0.124	<20	2.69	0.008	0.04	0.1	0.04	4.4	<0.1	<0.05	8	1.0	<0.2
L625N 9550E	Soil		106	1.36	86	0.168	<20	2.33	0.010	0.09	0.1	0.05	5.4	<0.1	<0.05	8	1.1	<0.2
L625N 9575E	Soil		71	0.99	50	0.106	<20	2.43	0.007	0.04	0.1	0.04	3.7	<0.1	<0.05	7	<0.5	<0.2
L625N 9600E	Soil		44	0.71	140	0.099	<20	3.03	0.010	0.08	<0.1	0.02	4.6	0.1	0.08	7	1.3	<0.2
L625N 9625E	Soil		62	0.99	111	0.090	<20	2.95	0.008	0.07	0.1	0.02	5.1	0.1	<0.05	6	1.1	0.3
L625N 9650E	Soil		64	1.12	180	0.134	<20	2.79	0.012	0.09	0.1	0.03	6.5	<0.1	0.06	10	1.8	0.2
L625N 9675E	Soil		52	0.90	89	0.087	<20	2.33	0.008	0.04	<0.1	0.03	3.1	<0.1	<0.05	6	0.9	<0.2
L625N 9700E	Soil		55	1.00	103	0.077	<20	2.27	0.008	0.04	<0.1	0.04	3.2	<0.1	<0.05	6	<0.5	<0.2

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Project: WHIPSAW
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QUALITY CONTROL REPORT VAN12005009.1

	Method	1DX	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	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
L475N 9425E	Soil	3.4	298.4	18.7	201	0.6	35.2	11.0	263	2.31	4.6	2.4	0.6	21	0.3	0.2	0.2	51	0.23	0.025	4
REP L475N 9425E	QC	3.6	299.0	19.5	203	0.6	35.0	11.5	262	2.31	5.2	2.7	0.6	21	0.3	0.1	0.2	52	0.21	0.025	4
L575N 7800E	Soil	2.1	156.7	12.0	178	1.4	12.9	11.5	546	2.99	6.7	5.2	0.6	20	0.4	0.2	0.8	56	0.18	0.052	7
REP L575N 7800E	QC	2.1	150.9	12.1	176	1.3	12.9	11.5	536	3.02	6.6	6.6	0.7	19	0.4	0.2	0.9	56	0.17	0.051	6
L375N 7475E	Soil	7.1	214.9	13.2	122	0.8	9.0	9.9	240	3.22	5.7	6.4	0.8	13	0.2	0.1	0.6	73	0.15	0.101	4
REP L375N 7475E	QC	6.9	224.3	13.1	126	0.9	9.6	9.8	250	3.29	6.2	40.9	0.8	13	0.4	0.1	0.6	72	0.17	0.104	4
L375N 7775E	Soil	2.4	71.7	10.4	100	0.8	12.8	6.6	132	2.96	5.7	8.7	0.7	19	0.2	0.2	0.4	60	0.11	0.091	3
REP L375N 7775E	QC	2.5	72.2	10.6	98	0.8	13.1	6.8	132	2.94	5.5	0.8	0.7	17	0.3	0.2	0.4	60	0.12	0.086	3
L625N 9350E	Soil	12.1	650.0	30.2	535	1.0	57.1	46.0	754	3.23	10.6	4.0	0.4	21	2.3	0.2	0.2	75	0.35	0.049	4
REP L625N 9350E	QC	12.9	647.0	30.9	533	1.0	55.9	46.1	771	3.25	10.4	3.7	0.4	21	2.2	0.2	0.2	77	0.35	0.048	4
Reference Materials																					
STD DS9	Standard	12.6	109.5	126.8	321	1.8	41.0	7.5	589	2.51	27.2	93.9	6.2	68	2.5	4.7	5.8	43	0.75	0.084	12
STD DS9	Standard	12.4	99.5	126.2	286	1.7	37.0	6.9	556	2.40	25.1	128.3	6.5	65	2.2	4.6	5.3	38	0.70	0.078	12
STD DS9	Standard	11.8	98.5	118.7	285	1.6	36.8	6.6	527	2.30	24.8	133.8	5.6	60	2.2	4.7	5.2	36	0.66	0.073	11
STD DS9	Standard	12.8	112.5	130.4	330	1.8	42.9	7.7	558	2.41	27.9	146.7	6.3	67	2.2	5.3	5.5	46	0.74	0.086	13
STD DS9	Standard	13.6	105.5	121.3	293	1.6	39.7	7.5	552	2.23	22.0	103.7	5.9	60	2.2	4.4	5.2	43	0.70	0.075	11
STD OREAS45EA	Standard	1.5	641.4	13.5	27	0.3	350.9	49.1	342	26.98	10.5	51.4	9.9	3	<0.1	0.2	0.2	285	0.03	0.024	6
STD OREAS45EA	Standard	1.2	625.8	14.0	27	0.3	329.5	46.6	343	25.25	9.4	47.4	10.2	3	<0.1	0.1	0.2	267	0.04	0.024	6
STD OREAS45EA	Standard	1.1	658.8	15.2	29	0.3	344.4	50.2	373	26.62	9.2	58.7	11.0	3	<0.1	0.1	0.2	282	0.03	0.027	6
STD OREAS45EA	Standard	1.5	738.1	14.7	33	0.3	403.9	57.1	421	32.23	11.5	53.6	10.0	4	<0.1	0.3	0.2	321	0.04	0.031	7
STD OREAS45EA	Standard	1.7	662.5	13.4	28	0.3	360.2	52.2	354	28.05	9.4	52.5	9.4	3	<0.1	0.2	0.3	301	0.03	0.026	6
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819	13.3
STD OREAS45EA Expected		1.78	709	14.3	30.6	0.311	357	52	400	22.65	11.4	53	10.7	4.05	0.03	0.64	0.26	295	0.032	0.029	8.19
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	0.3	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	0.8	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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QUALITY CONTROL REPORT VAN12005009.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
L475N 9425E	Soil	43	0.57	65	0.086	<20	1.77	0.014	0.03	<0.1	0.01	2.8	<0.1	<0.05	6	<0.5	0.3
REP L475N 9425E	QC	44	0.58	68	0.089	<20	1.79	0.013	0.03	0.1	0.01	2.9	<0.1	<0.05	5	<0.5	<0.2
L575N 7800E	Soil	20	0.53	156	0.083	<20	1.86	0.009	0.07	0.2	0.04	3.0	<0.1	<0.05	8	<0.5	0.8
REP L575N 7800E	QC	19	0.52	153	0.082	<20	1.86	0.009	0.07	0.2	0.03	2.9	<0.1	<0.05	8	<0.5	0.8
L375N 7475E	Soil	20	0.58	88	0.082	<20	1.88	0.008	0.07	0.2	0.05	3.7	<0.1	<0.05	6	<0.5	0.6
REP L375N 7475E	QC	20	0.57	89	0.084	<20	1.86	0.007	0.08	0.1	0.04	3.9	<0.1	<0.05	7	0.6	0.5
L375N 7775E	Soil	27	0.50	149	0.079	<20	1.70	0.008	0.05	0.1	0.02	2.4	<0.1	<0.05	8	0.6	0.7
REP L375N 7775E	QC	26	0.50	134	0.079	<20	1.67	0.008	0.05	0.1	0.02	2.2	<0.1	<0.05	8	<0.5	0.6
L625N 9350E	Soil	62	0.80	39	0.100	<20	2.13	0.014	0.07	0.1	0.04	3.8	0.2	<0.05	8	3.4	0.3
REP L625N 9350E	QC	61	0.79	39	0.101	<20	2.15	0.015	0.07	<0.1	0.05	3.8	0.2	<0.05	8	3.4	<0.2
Reference Materials																	
STD DS9	Standard	117	0.65	326	0.108	<20	0.93	0.073	0.40	2.6	0.20	2.6	6.0	<0.05	5	6.3	5.3
STD DS9	Standard	111	0.58	312	0.101	<20	0.87	0.066	0.37	2.5	0.17	2.3	5.3	<0.05	4	4.6	4.8
STD DS9	Standard	107	0.56	295	0.097	<20	0.84	0.061	0.36	2.7	0.18	2.2	5.0	<0.05	4	5.1	5.0
STD DS9	Standard	124	0.68	316	0.116	<20	0.96	0.069	0.40	2.8	0.20	2.4	5.5	0.18	5	5.4	5.0
STD DS9	Standard	117	0.62	288	0.110	<20	0.85	0.064	0.37	2.5	0.21	2.1	5.2	0.09	4	4.1	5.0
STD OREAS45EA	Standard	866	0.09	137	0.087	<20	2.67	0.016	0.05	<0.1	0.01	72.4	<0.1	<0.05	12	1.1	<0.2
STD OREAS45EA	Standard	826	0.09	136	0.080	<20	2.67	0.016	0.05	<0.1	<0.01	74.5	<0.1	<0.05	11	0.8	<0.2
STD OREAS45EA	Standard	891	0.09	142	0.079	<20	2.76	0.018	0.05	<0.1	0.01	77.7	<0.1	<0.05	12	<0.5	<0.2
STD OREAS45EA	Standard	978	0.11	150	0.099	<20	3.14	0.021	0.06	<0.1	0.01	84.7	<0.1	0.15	13	1.3	<0.2
STD OREAS45EA	Standard	899	0.09	131	0.091	<20	2.69	0.017	0.05	<0.1	<0.01	73.0	<0.1	<0.05	12	0.7	<0.2
STD DS9 Expected		121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
STD OREAS45EA Expected		849	0.095	148	0.106		3.32	0.027	0.053		0.34	78	0.072	0.044	11.7	2.09	0.11
BLK	Blank	<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	<0.2
BLK	Blank	<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	<0.2
BLK	Blank	<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	<0.2
BLK	Blank	<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	<0.2
BLK	Blank	<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	<0.2

Acme Analytical Laboratories (Vancouver) Ltd.
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www.acmelab.com

Client: **Martin, Charles**
1329 - 510 W. Hastings Street
Vancouver BC V6B 1L8 Canada

Submitted By: Charles Martin
Receiving Lab: Canada-Vancouver
Received: October 22, 2012
Report Date: November 19, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN12005010.1

CLIENT JOB INFORMATION

Project: WHIPSAW
Shipment ID: WR-002
P.O. Number
Number of Samples: 2

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
DISP-RJT Dispose of Reject After 90 days

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	2	Crush, split and pulverize 250 g rock to 200 mesh			VAN
3B01	2	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1D01	2	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Johnston, Bob
8 - 3789 Oak Street
Vancouver BC V6H 2M4
CANADA

CC: Bob Johnston

BRITISH COLUMBIA CERTIFIED ASSAYER
RAYMOND CHAN
CHIEF ASSAYER

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

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Martin, Charles**
1329 - 510 W. Hastings Street
Vancouver BC V6B 1L8 Canada

Project: WHIPSAW
Report Date: November 19, 2012

CERTIFICATE OF ANALYSIS VAN12005010.1

Method		WGHT	3B	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	2	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
G1	Prep Blank	<0.01	<2	<1	2	<3	49	<0.3	4	2	584	1.98	<2	<2	4	57	<0.5	<3	<3	38	0.45
201522	Rock	1.99	10	3	437	<3	67	1.6	11	8	114	2.00	6	<2	<2	18	<0.5	<3	<3	35	0.29
201523	Rock	2.34	10	15	667	<3	103	1.2	26	13	231	3.84	6	<2	<2	38	<0.5	<3	<3	127	0.82

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Project: WHIPSAW
Report Date: November 19, 2012

CERTIFICATE OF ANALYSIS VAN12005010.1

Method		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
G1	Prep Blank	0.078	10	8	0.60	235	0.124	<20	0.98	0.08	0.51	<2	<5	<1	<5	<0.05	<5
201522	Rock	0.033	2	11	0.32	44	0.039	<20	0.65	0.07	0.05	<2	<5	<1	<5	1.03	<5
201523	Rock	0.111	4	42	1.19	200	0.151	<20	2.15	0.19	0.34	<2	<5	<1	8	1.49	8

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Client: **Martin, Charles**
1329 - 510 W. Hastings Street
Vancouver BC V6B 1L8 Canada

Project: WHIPSAW
Report Date: November 19, 2012

QUALITY CONTROL REPORT VAN12005010.1

	Method	WGHT	3B	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	2	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01
Pulp Duplicates																					
201523	Rock	2.34	10	15	667	<3	103	1.2	26	13	231	3.84	6	<2	<2	38	<0.5	<3	<3	127	0.82
REP 201523	QC		9	15	695	<3	105	1.2	27	13	240	4.00	5	<2	<2	40	<0.5	<3	<3	131	0.86
Reference Materials																					
STD DS9	Standard			13	110	112	323	2.1	42	6	616	2.48	25	<2	5	75	2.6	5	5	44	0.76
STD OREAS45EA	Standard			2	746	30	34	0.6	397	62	421	24.90	4	<2	8	4	<0.5	8	<3	321	0.03
STD OXD87	Standard		437																		
STD DS9 Expected				12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	0.118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD OREAS45EA Expected				1.78	709	14.3	30.6	0.311	357	52	400	22.65	11.4	0.053	10.7	4.05				295	0.032
STD OXD87 Expected			417																		
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank		<2																		
Prep Wash																					
G1	Prep Blank	<0.01	<2	<1	2	<3	49	<0.3	4	2	584	1.98	<2	<2	4	57	<0.5	<3	<3	38	0.45

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Vancouver BC V6B 1L8 Canada

Project: WHIPSAW
Report Date: November 19, 2012

QUALITY CONTROL REPORT VAN12005010.1

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
Pulp Duplicates																	
201523	Rock	0.111	4	42	1.19	200	0.151	<20	2.15	0.19	0.34	<2	<5	<1	8	1.49	8
REP 201523	QC	0.112	5	42	1.22	218	0.158	<20	2.20	0.20	0.35	<2	<5	<1	7	1.56	8
Reference Materials																	
STD DS9	Standard	0.085	14	132	0.66	334	0.115	<20	1.03	0.10	0.41	3	<5	<1	<5	0.18	<5
STD OREAS45EA	Standard	0.030	9	928	0.10	142	0.098	<20	3.43	0.03	0.06	<2	<5	<1	<5	<0.05	90
STD OXD87	Standard																
STD DS9 Expected		0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	5.3	0.2	4.59	0.1615	2.5
STD OREAS45EA Expected		0.029	8.19	849	0.095	148	0.106		3.32	0.027	0.053			0.34	11.7	0.044	78
STD OXD87 Expected																	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5
BLK	Blank																
Prep Wash																	
G1	Prep Blank	0.078	10	8	0.60	235	0.124	<20	0.98	0.08	0.51	<2	<5	<1	<5	<0.05	<5

WESTERN LINES INSET MAP

← AREA OF INSET MAP

BZ Zone

5,461,400 mN
5,461,200 mN
5,461,000 mN
5,460,800 mN
5,460,600 mN
5,460,400 mN
5,460,200 mN

662,000 mE
662,200 mE
662,400 mE
662,600 mE
662,800 mE
663,000 mE
663,200 mE
663,400 mE
663,600 mE
663,800 mE
664,000 mE
664,200 mE
664,400 mE
664,600 mE

5000
5100
5200
5300
4900
4800
4700

0 20 40 60 100
metres

Au (ppb) in soil samples
- >100
- 50 to 100
- 20 to 50
- <20

▲ rock sample - Au (ppb)

MARTECH INDUSTRIES INC.

WHIPSAW PROPERTY

Similkameen Mining Division

Soil and Rock Geochemistry
Au (ppb)

Date	Dec 9 2012	Scale	1:2000	Figure 4
Projection	UTM Zone 10 - NAD83	State/Province	BC	
Author	MJD	File	WhipSoils	

WESTERN LINES INSET MAP

662,000 mE | 662,200 mE | 662,400 mE | 662,600 mE | 662,800 mE

5,460,800 mN

5,460,600 mN

← AREA OF INSET MAP

663,800 mE | 664,000 mE | 664,200 mE | 664,400 mE | 664,600 mE

5,461,400 mN

5,461,200 mN

5,461,000 mN

5,460,800 mN

5,460,600 mN

5,460,400 mN

5,460,200 mN

BZ Zone

5300

5200

5100

5000

4900

4800

4700

662,800 mE | 663,000 mE | 663,200 mE | 663,400 mE | 663,600 mE | 663,800 mE | 664,000 mE | 664,200 mE

0 20 40 60 100 metres

Ag (ppm) in soil samples

>6		(8)
4	to 6	(14)
2.5	to 4	(66)
<2.5		(986)

Whip12Soils by Ag_ppm

6	to 1,000,000	(2)
4	to 6	(8)
2.5	to 4	(8)
0	to 2.5	(310)

rock sample Ag (ppm)

MARTECH INDUSTRIES INC.

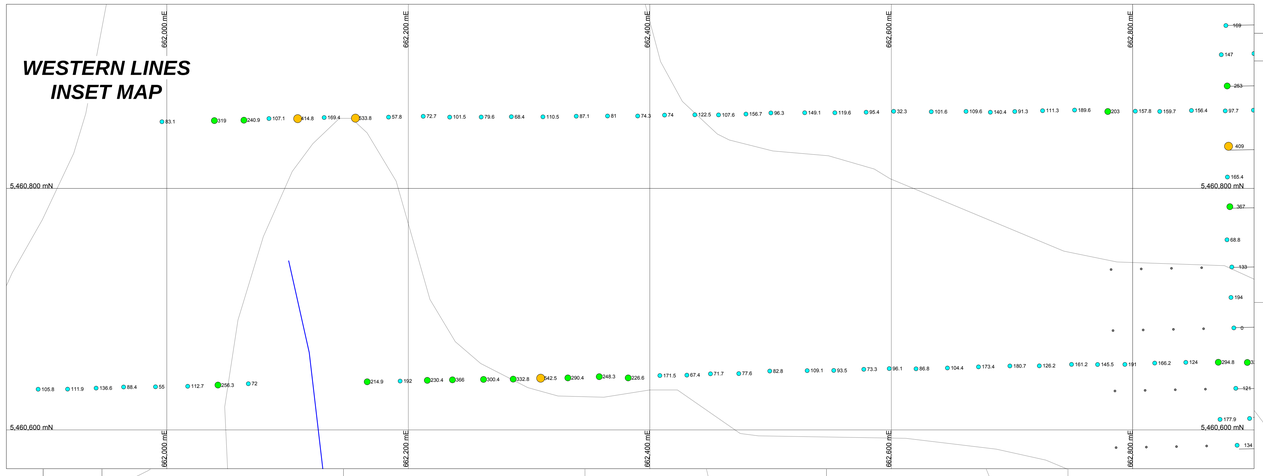
WHIPSAW PROPERTY

Similkameen Mining Division

Soil and Rock Geochemistry Ag (ppm)

Date	Dec 9, 2012	Scale	1:2000
Projection	UTM Zone 10 - NAD83	State/Province	BC
Author	MJD	File	WhipSoils

Figure 5



← AREA OF INSET MAP

BZ Zone

5,461,400 mN
5,461,200 mN
5,461,000 mN
5,460,800 mN
5,460,600 mN
5,460,400 mN
5,460,200 mN

662,800 mE
663,000 mE
663,200 mE
663,400 mE
663,600 mE
663,800 mE
664,000 mE
664,200 mE
664,400 mE
664,600 mE

Cu (ppm) in soil samples
- >600
- 400 to 600
- 200 to 400
- <200

▲ rock sample - Cu (ppm)

0 20 40 60 100 metres

MARTECH INDUSTRIES INC.

WHIPSAW PROPERTY

Similkameen Mining Division

Soil and Rock Geochemistry
Cu (ppm)

Date	Dec 9 2012	Scale	1:2000	Figure 6
Projection	UTM Zone 10 - NAD83	State/Province	BC	
Author	MJD	File	WhipSoils	

WESTERN LINES INSET MAP

← AREA OF INSET MAP

BZ Zone

5,461,400 mN
5,461,200 mN
5,461,000 mN
5,460,800 mN
5,460,600 mN
5,460,400 mN
5,460,200 mN

662,000 mE
662,200 mE
662,400 mE
662,600 mE
662,800 mE
663,000 mE
663,200 mE
663,400 mE
663,600 mE
663,800 mE
664,000 mE
664,200 mE
664,400 mE
664,600 mE

5600
5300
5200
5100
5000
4900
4800
4700
4600

0 20 40 60 100
metres

Ag (ppm) in soil samples

- >6
- 4 to 6
- 2.5 to 4
- <2.5

▲ rock sample - Ag (ppm)

MARTECH INDUSTRIES INC.

WHIPSAW PROPERTY

Similkameen Mining Division

Soil and Rock Geochemistry
Mo (ppm)

Date	Dec 9, 2012	Scale	1:2000	Figure
Projection	UTM Zone 10 - NAD83	State/Province	BC	7
Author	MJD	File	WhipSoils	