BRITISH COLUMBIA
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Ministry of Energy, Mines & Petroleum Resources
Mining & Minerals Division
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: **TOTAL COST:** $ 28,724.73

AUTHOR(S): JIM CHAPMAN **SIGNATURE(S):**

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): MX-4-399 **YEAR OF WORK:** 2015

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5589822 2016/FEB/09

PROPERTY NAME: WHIPSAW CREEK

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

COMMODITIES SOUGHT: Cu, Mo

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:

MINING DIVISION: SIMILKAMEEN **NTS/BCGS:** 092H027 / 092H037

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

OWNER(S):
1) MARTECH MINING INC 2)

MAILING ADDRESS:
2680 CAMBRIDGE ST.
VANCOUVER, BC, V5K 1L5

OPERATOR(S) [who paid for the work]:
1) MARTECH MINING 2)

MAILING ADDRESS:
2680 CAMBRIDGE ST.
VANCOUVER, BC, V5K 1L5

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
The Whipsaw property contains mineralization that includes copper, moly gold, silver, lead and zinc related to the Whipsaw Porphyry stock. The stock intrudes the west dipping contact of the Upper Triassic Nicola volcanics with the Jur - Cret. Eagle Granodiorite.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:

Next Page

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	112 Au + ICP	508920	$10,935.74
Silt			
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying	352 Soils Au	508920	$3,745.40
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	DATA COMPILATION	508920, 508923, 508924 508929	$14,042.59
		TOTAL COST:	$28,724.73

Soil Sampling and Data Compilation Assessment Report

ON THE

Whipsaw Creek Property
Similkameen Mining Division
BRITISH COLUMBIA

NTS: 092H7
49°16' N North Latitude
120°45' West Longitude
(centre)

For
Martech Mining Inc.
2680 Cambridge Street
Vancouver, BC,
V5K 1L5

by

J. Chapman, P.Geo.
2705 West 5th Avenue.
Vancouver, BC
V6K 1T5

February 10, 2016,

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1. SUMMARY AND CONCLUSIONS

1.1 Property Description and Location

The Whipsaw property consists of seven mineral tenures and 1 mining lease covering 2,676.26 hectares located in the Similkameen Mining Division of south western British Columbia. The property is located 26 kilometers southwest of Princeton, B.C. and 170 kilometers east of Vancouver. Access is by 25 kilometers of logging road along Whipsaw Creek from Highway 3. The property is 16 kilometers west southwest of the Copper Mountain deposit currently in production by Copper Mountain Mining and Mitsubishi Materials Corporation. Martech Mining 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 or 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, entering Whipsaw Creek from the north

Since 1959, various parts of the area in which the stream sediment anomalies originated were covered by claim groups with separate and unrelated ownerships. In 1987 all the properties were consolidated by Mr. Charles R. Martin, then President of World Wide Minerals Ltd.

1.3 Geology and Mineralization

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

Drilling programs based on geophysical and geochemical surveys correlated with geology, 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 2015 Exploration program

The 2015 exploration program consisted of grid based soil sampling and digitizing of historical geochemical data. The 2015 soil geochemical survey consisted of 111 samples. Lines were located 50m apart and samples collected at 25m intervals. Seven lines of 400m length were added to the northwestern edge of the existing 2014 grid. In 2013 work to digitize the historical records commenced with the drill logs for the porphyry area as the first step in creating a complete database. During the 2014 program the historical geophysical surveys that were carried out over portions of the porphyry target area were incorporated to develop additional targets. For the 2015 digitizing program most of the remaining soil geochemical grids were added to the database. The field work was carried out between July 1, and August 31, 2015 on Tenure #508920. A Total of $28,724.73 was spent on the project prior to the current expiry date.

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

MARTECH INDUSTRIES INC.

WHIPSAW PROPERTY

Similkameen Mining Division

Location Map

Date	Feb 3, 2015	*Scale*	1:8,000,000	*Figure*
Projection	UTM Zone 10 - NAD83	*State/Province*	BC	2.1
BCGS		*NTS*	92H02,07	
Author	MJD	*File*	WhipLoc	

scale soil geochemical surveys have located zones of significantly anomalous base and precious metals dominantly along the southern flank of the porphyry mineralization. The present work consisted of a grid based soil geochemical survey to expand the coverage initiated in 2013 and 2014. During the current program most of the historical geochemical surveys carried out on the property were added to the database. The compilation is expected to provide targets for future programs.

A program consisting of further expansion of the soil geochemical grid and completion of the data compilation is recommended for the Whipsaw property. An additional 500 soil samples to expand the coverage of the known anomalies is recommended for the 2016 field program. Concurrent with that field work, the remainder of the historical geochemical, geological and geophysical data should be captured in digital format to complete the compilation. The program is estimated to cost $55,000.00.

2 PROPERTY LOCATION AND DESCRIPTION

2.1 Property location

In 2015 the Whipsaw property consisted of seven mineral tenures and 1 mining lease covering 4,154.95 hectares located in the Similkameen Mining Division of south western British Columbia. The property is located 26 kilometers southwest of Princeton, B.C. and 170 kilometers east of Vancouver (Figure 2.1). Access is by 25 kilometers of logging road along the north side of Whipsaw Creek from Highway 3. The property is also 16 kilometers west southwest of the Copper Mountain deposit.

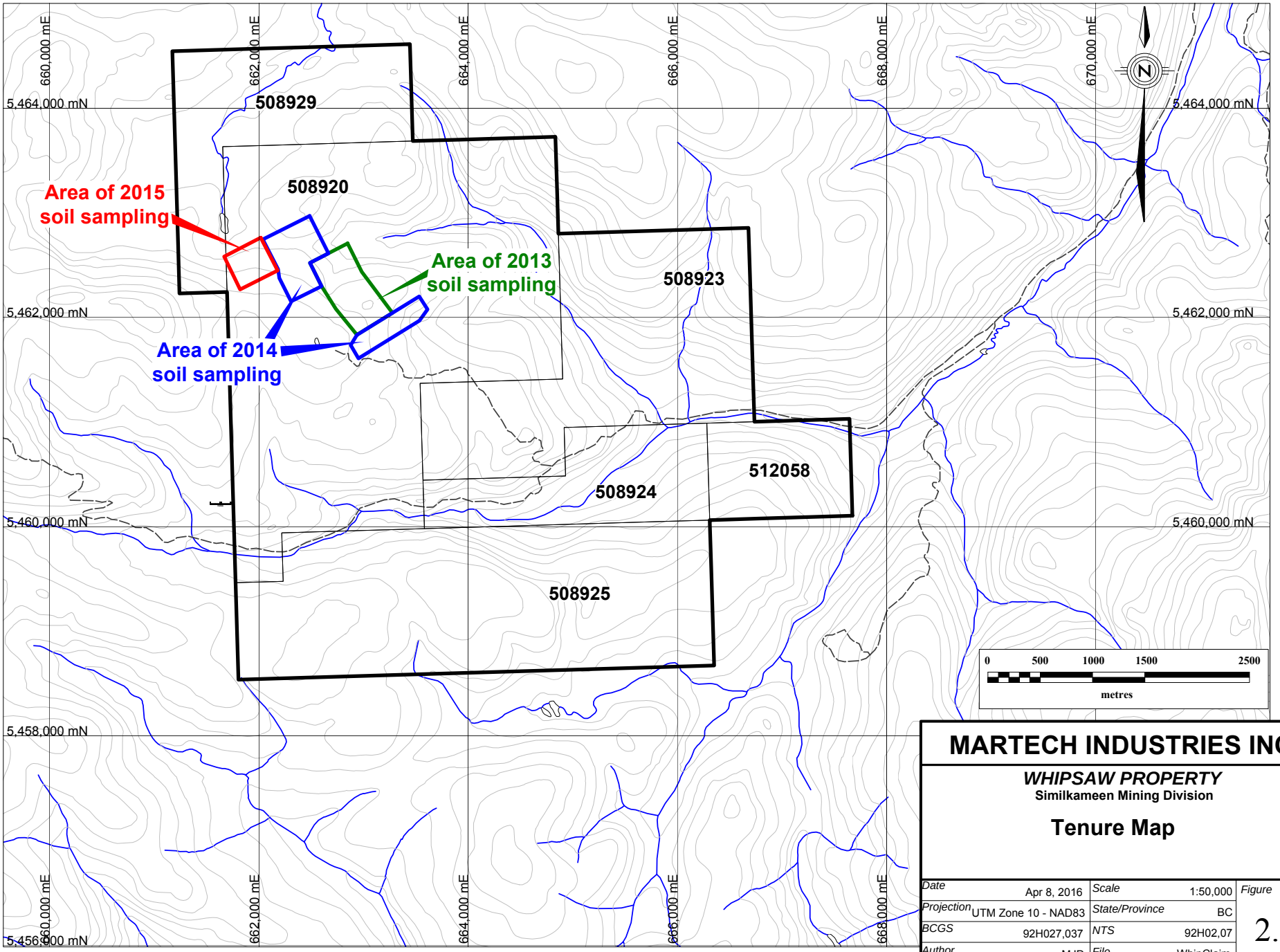
2.2 Property Description

The Whipsaw property in 2015 consisted of eight (8) tenures comprising one (1) Mineral Lease and seven (7) cell based Mineral Claims totalling 4,154.96 hectares (Figure 2.2). Prior to filing the current exploration work several of the claims were reduced as shown in Table 2.2, for a new total of 2,676.26 hectares. 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 remaining six cell based claims. Annual taxes have previously been required to maintain the Mineral Lease, however for the 2016-2017 assessment year the Mineral Lease will be converted to regular tenures.

Table 2.2 – Tenure List

NAME	TENURE NO.	Cells 2015	AREA	Reduced 2016	AREA	EXPIRY DATE
Mineral Lease	250138		171.75		171.75	2025/JAN/13
	508920	66	1,390.71	48	1011.37	2017/Feb/16
	508923	22	463.58	22	463.58	2017/Feb/16
	508924	9	189.69	9	189.69	2017/Feb/16
	508925	61	1,286.02	29	611.34	2017/Feb/16
	508927	7	147.61	0	0	Expired
	508929	18	379.14	13	273.82	2017/Feb/16
	512058	6	126.46	6	126.46	2017/Feb/16
Totals		189	4154.96	127	2848.01	

Assessment work requirements in British Columbia consist of a four tier system of yearly expenditures as follows the claims are currently in their 4th year;



MARTECH INDUSTRIES INC.

WHIPSAW PROPERTY

Similkameen Mining Division

Tenure Map

Date	Apr 8, 2016	*Scale*	1:50,000	*Figure*
Projection	UTM Zone 10 - NAD83	*State/Province*	BC	2.2
BCGS	92H027,037	*NTS*	92H02,07	
Author	MJD	*File*	WhipClaim	

$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

"Cash-in-Lieu" payments that may be made if physical work has not been conducted on the mineral titles are 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

For 2016 the tenures will have a total area of 2,848.01ha which will require an expenditure of $42,720.15 to maintain the claims in anniversary years 5 and 6. 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 160kms via Highway 1 to Hope, then 133kms along Highway 3 to Princeton. Thirteen km southwest of Princeton, a good logging road leaves Highway 3 at Whipsaw Creek and travels southwestward along the north bank of Whipsaw Creek through the property for a distance of 30 kms (Figure 3.1). 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

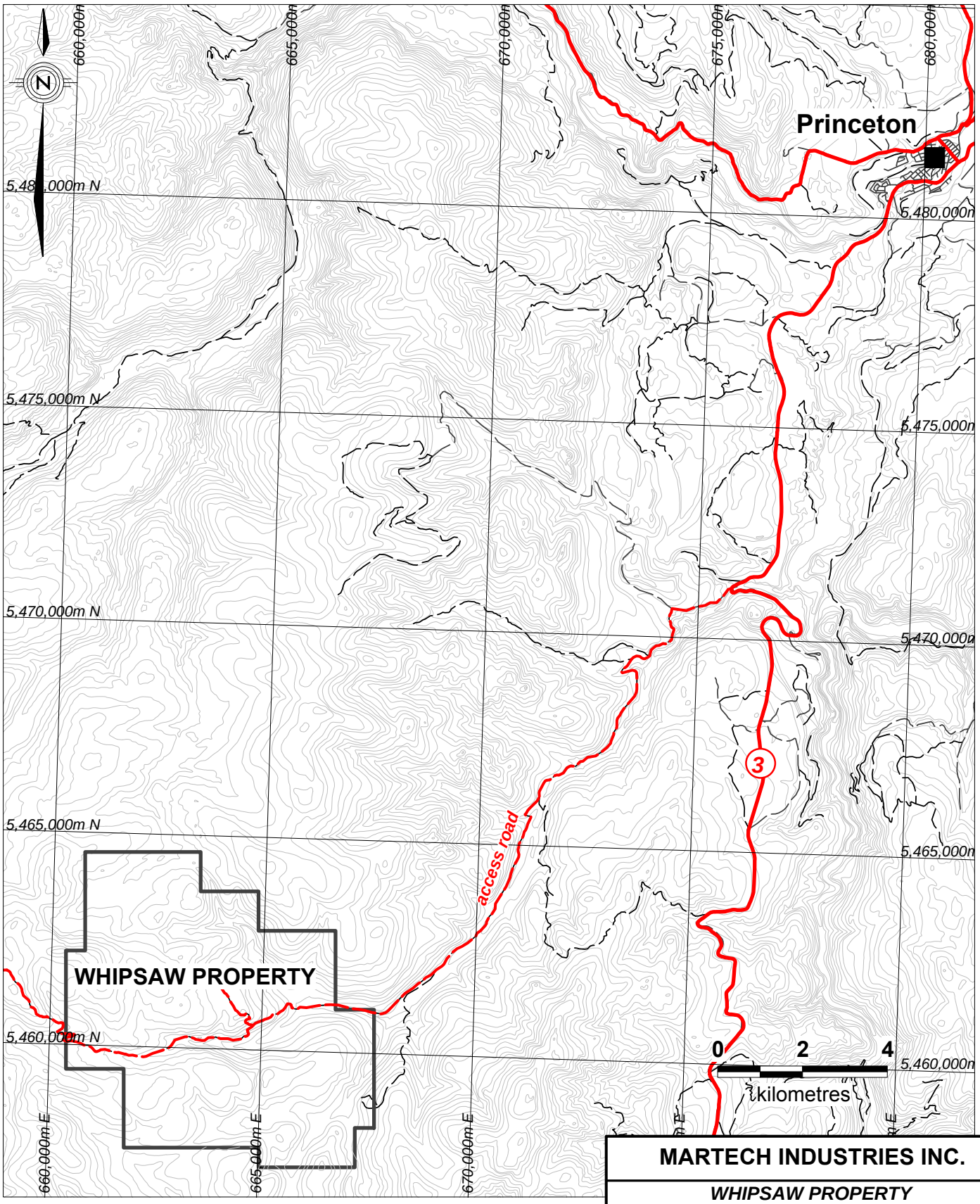
Accommodation along with basic supplies, labour and fuel may be sourced in the community of Princeton 26 kilometres to the east. Any specialized material, equipment or manpower requirements would be readily available in Vancouver, 290 kilometres to the west. Rail lines are also present in Princeton. Power lines follow the route of Highway 3. The recently reopened Copper Mountain Mine is located 17kms to the northeast.

3.4 Physiography and Vegetation

Whipsaw Creek flows southeastward 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, however 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. Swampy areas occur near the sources of most of the creeks.

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



Access road

Highway

Roads

MARTECH INDUSTRIES INC.

WHIPSAW PROPERTY

Similkameen Mining Division

Property Access Map

Date	Feb 3, 2015	Scale	1:125,000	Figure
Projection	UTM Zone 10 - NAD83	State/Province	BC	3.1
BCGS		NTS	92H02,07	
Author	MJD	File	Whip13Access	

Granite Creek near the town of Tulameen. Shortly afterward, gold and platinum placer deposits were discovered in Whipsaw Creek downstream (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.

In 1959, reconnaissance stream sediment sampling by Texas Gulf Sulphur Company discovered major stream sediment Cu-Zn 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. 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 2 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).

In 1960-62 soil sampling, geological mapping, EM, Magnetic and I.P. surveys were completed along with 3 diamond drill holes. Moneta Porcupine, Dome, and Tennessee Corp. optioned the property through 1963-64 and carried out additional I.P., soil geochemistry and drilled 2 more holes. In 1968 Amax entered into an agreement under which they completed additional soil sampling, mapping, and trenching. Texas Gulf trenched and drilled 4 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 TGS optioned their ground to Newmont and an I.P survey, geological mapping, and some additional geochemical sampling were completed.

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 (Heim, 1985). It was found that the area of the BZ trenches was 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 resampled, with new rock samples assaying as high as 11.62 g/t Au and 185.1 g/t Ag across 0.61m 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 totalling 3,040.1m 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 SE portion of the property, which may indicate the presence of an ultrabasic 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 began a program of detail geochemical surveying to investigate the anomalous areas south of Whipsaw Creek that were discovered by the extensive 1987 reconnaissance geochemical survey, which 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, Martech Industries Inc. acquired the property and drilled seven diamond drill holes to test the copper mineralization around the periphery of the 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 Mo and Au were incomplete.

In 2009-2010 a soil geochemistry and mapping programme was conducted on behalf of Martech Industries focused on the area north of Whipsaw Creek and south of the Whipsaw Porphyry and which included the BZ Zone. Infill sampling was completed at 25m stations along east – west lines 25m from the previous lines. Sufficient locations of the original grid were found to be confident of the location of the new lines. This is an area of limited outcrop so indirect exploration methods are required. Rock samples were collected where available and warranted to add to the geochemical database. Mapping incorporated outcrop, float and the fragments associated with the soil samples. The general tenor of the current sampling matches the historical results very well with a maximum value of 0.28g/t gold, 9.0g/t silver, copper to 854ppm and moly to 26.8ppm. A total of 327 soil samples and 13 rock samples were collected and analysed at Acme Analytical in Vancouver, BC for gold and a 31 element ICP package.

In 2011 Corvid Consulting, Princeton, BC, was retained for the purpose of obtaining accurate GPS coordinates for many of the important features on the property, including adits, claim stakes, high grade rock sample locations, trenches, roads, etc. Data were acquired using a Real Time Kinematic (RTK) GPS. These locations were previously only known by the property owner, and will provide geographical reference points necessary to digitize the many maps available for the property.

MCM Consulting (M. Martin and J. Dixon) subsequently completed a small grid based soil sampling program. A total of 148 soil samples were collected immediately south of the confluence of Whipsaw and Forty Three Mile creeks. Samples were collected from a variably developed "B Horizon", with sample depths ranging between 10 to 30 cm. Samples were placed into brown paper Kraft bags. All samples recovered were submitted to Acme Analytical Laboratories in Vancouver, BC for processing using Acme's SS80 preparation and 36 element Group 1DX2 - 15g (ICP) analysis.

During 2012 exploration 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 2012 work was carried out on tenures 508920 and 508923.

The 2012 sample lines were emplaced starting 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. The general tenor of the sampling matches the historical results very well. For the 2012 samples the maximum gold value was 2,044.5 ppb, for silver 75.6 ppm, copper to 981 ppm and molybdenum to 21.7 ppm.

The 2013 soil geochemical survey consisted of 267 samples covering an area of 400m by 800m within the North Porphyry Zone. Samples were collected at 25m intervals on lines 50m apart.

Copper values for the samples ranged from 5ppm to 7,262ppm with an average of 443ppm. Anomalous copper values clustered in the northern and southwestern portions of the grid. The northern zone contains the majority of the high values. Moly values ranged from 0.4ppm to 141ppm, with an average of 12ppm. Only 2 of the 14 samples were anomalous in both elements, however the distribution of anomalous moly values is similar to the copper distribution.

Precious metal (gold and silver) values show little correlation with the copper and moly mineralization. Gold values range from 0 to 529ppb, with silver between 0 and 2.5ppm. The distribution of gold and silver is quite erratic and does not show the clustering which is very evident in the base metal values.

The drill data for the porphyry area of the Whipsaw property was digitized during 2013. Elan Data Makers Ltd. were contracted to convert the original paper drill logs and assay data to a digital database. A total of 47 drill logs, 35 diamond and 12 percussion, were included in this contract along with all associated assay intervals. This information was then combined with the TRIM maps of the area to produce an accurate plan map of the known drilling and 2013 geochemical survey. Historical plan maps of the trenching and geology of the area were digitized and compiled with the drill locations to create a compilation map of all of the known data for this portion of the Whipsaw property. A long section through the porphyry area was then created to aid in developing additional targets for future drill programs.

The 2014 soil geochemical survey consisted of 352 samples covering the northern and southern extensions to the 2013 grid within the North Porphyry Zone. An additional 8 lines were added at the northwest end of the baseline, with all of the new lines and the 6 northernmost lines of the 2013 grid extended 300m to the west. On the southern end of the 2013 grid an additional 4 lines were sampled extending 300m west and 500m east of the baseline.

Copper values for the samples ranged from 21ppm to >10,000ppm with an average of 456ppm. A total of 18 samples contained greater than 1,219ppm which represents the 95th percentile of the results received for copper. Anomalous copper values within the northern and southern extensions of the grid correlated well with the 2013 sampling and extended the zones of anomalous values. These zones remain open to the northeast and the southeast. The southern zone contains the majority of the high values, including the >1%Cu sample. In the northern anomalous zone the high copper values are spatially related to a northerly trending creek which likely represents a structural feature, possibly associated with the Whipsaw Porphyry contact zone. Exposure is quite limited in this area with extensive boggy areas. Previous drilling has shown these swampy areas to be quite shallow. The Amax Trench 5 is located in the northeast corner of the grid area, but contamination from the trenches is not believed to be a significant factor in the geochemistry as the spoil piles adjacent to the trenches are quite restricted in area.

Moly values from the grid sampling ranged from 0ppm to 250ppm, with an average of 21ppm. Seventeen (17) samples contained greater than 51ppm which represents the 95th percentile value for moly. As in the 2013 sampling, only 2 of the 14 samples were anomalous in both elements. The areal distribution of anomalous moly values however is very similar to the copper. This is consistent with the historical records of a copper-moly porphyry system related to the Whipsaw Porphyry.

Precious metal (gold and silver) values show little correlation with the copper and moly mineralization. Gold values range from 0 to 174ppb, with silver between 0 and 5ppm. The distribution of gold and silver is quite erratic and does not show the clustering which is very evident in the base metal values.

During 2014 the database compilation process continued with the addition of historical geophysical surveys that have been completed over the area covered by the recent soil sampling.

These consisted of IP and magnetic surveys carried out by Dome Mines in 1960, 1963 and Newmont Mining in 1971. An airborne EM survey was carried out by McPhar Geophysics in 1960, 1961.

Geology, geochemistry, trenching, drill locations along with IP and EM anomalies have now been digitized to create a compilation map (Figure 4.1) of all of the known data for this portion of the Whipsaw property. This will aid in evaluating the areas that have been drilled and assist in developing additional targets for future programs.

5 GEOLOGICAL SETTING

5.1 Regional Geology

The Whipsaw Creek Property encompasses the Whipsaw porphyry, an Upper Cretaceous or Tertiary intrusive emplaced into Upper Triassic Nicola rocks, at the eastern contact of the Eagle Batholith (Figure 5.1). The Nicola Group is a varied assemblage of volcanic rocks ranging from porphyritic to non-porphyritic dacite to basalt. Along the eastern margin of the Eagle Batholith the Nicola rocks are strongly foliated, parallel the contact, and show an increase of metamorphic grade towards the contact (Anderson, 1971). The Eagle Batholith is a Jurassic to Cretaceous granodiorite that is foliated, parallel to the elongation of the batholith. The Whipsaw porphyry is a feldspar porphyry similar to others that occur 40 kms NNW between Law's Camp and the Independence Camp 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 are the most significant, but in this case the intrusions are nearly the same age as the volcanics (Upper Triassic). 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 economic.

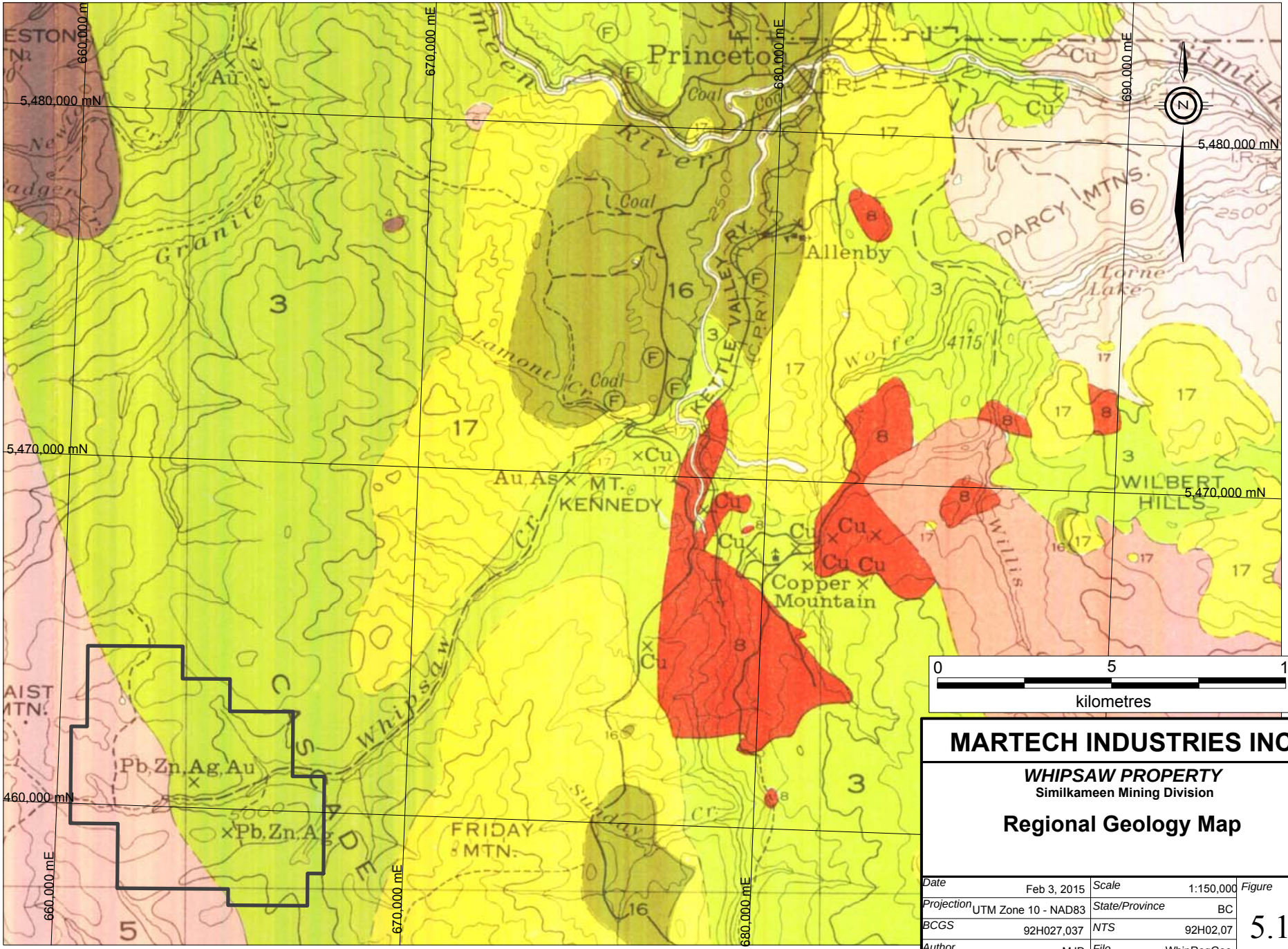
5.2 Property Geology

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

The Whipsaw properly covers 8 km of the regionally mineralized contact zone between the Upper Triassic Nicola Group and the Eagle Granodiorite (Figure 5.2). 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 - 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 ultrabasic rocks, a number of which occur south of the Tulameen ultramafic intrusive. This 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 Whipsaw property. A second possible source of the PGE-bearing placer deposits in the creek is the mineralization



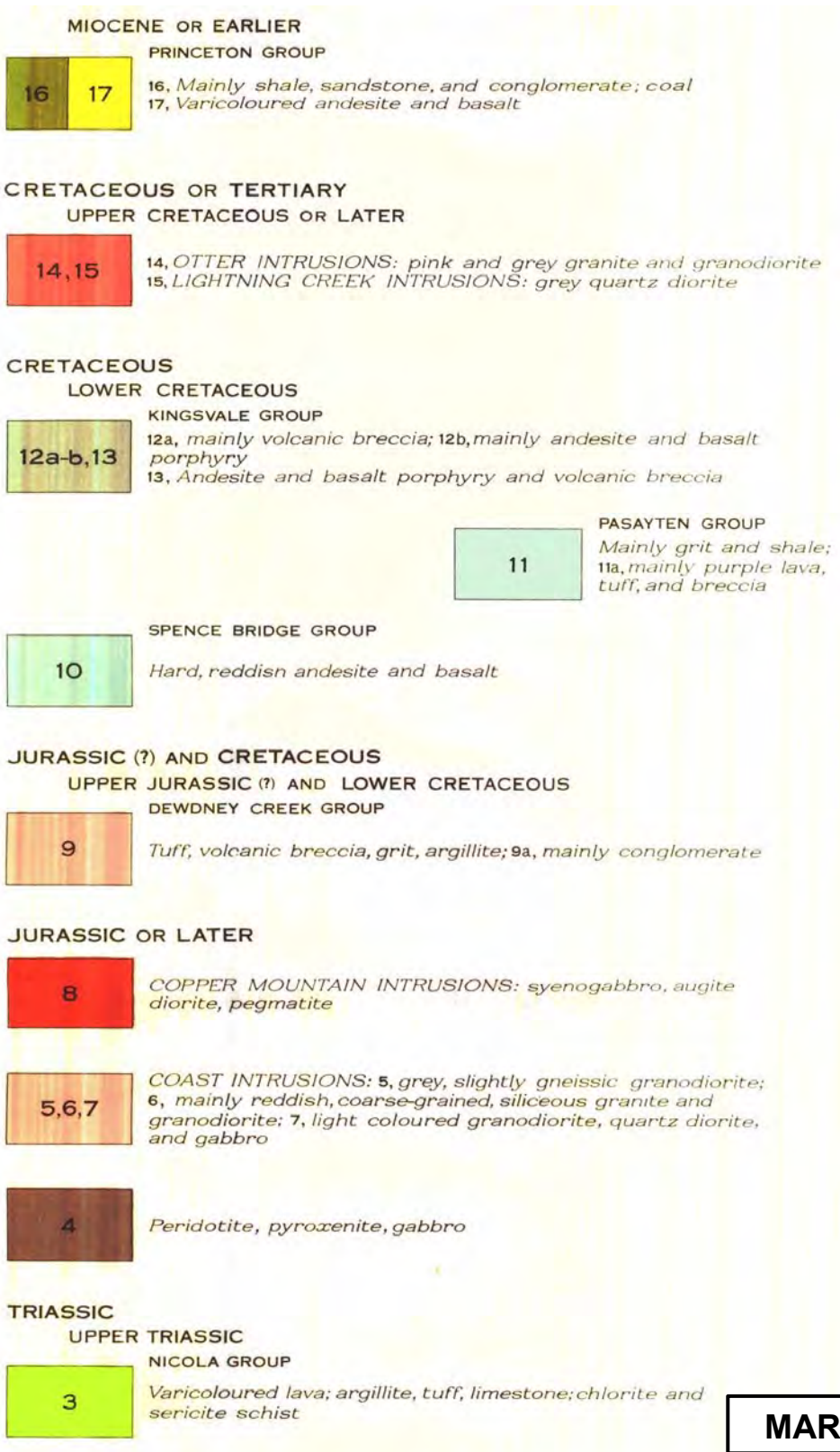
MARTECH INDUSTRIES INC.

WHIPSAW PROPERTY

Similkameen Mining Division

Regional Geology Map

Date	Feb 3, 2015	*Scale*	1:150,000	*Figure*
Projection	UTM Zone 10 - NAD83	*State/Province*	BC	5.1a
BCGS	92H027,037	*NTS*	92H02,07	
Author	MJD	*File*	WhipRegGeo	



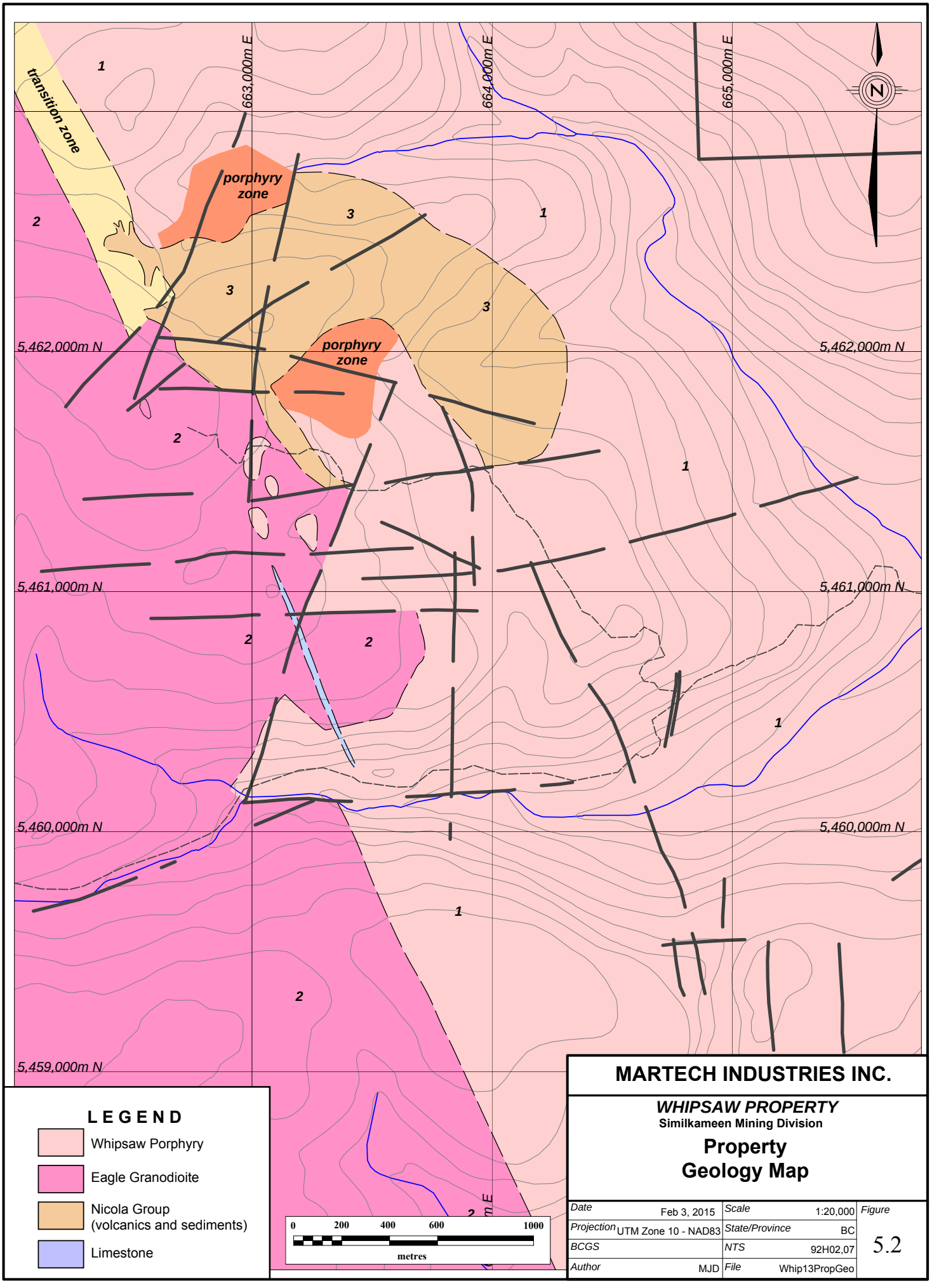
MARTECH INDUSTRIES INC.

WHIPSAW PROPERTY

Similkameen Mining Division

Regional Geology Legend

Date	Feb 3, 2015	Scale	na	Figure
Projection	UTM Zone 10 - NAD83	State/Province	BC	5.1b
BCGS	-	NTS	92H02,07	
Author	MJD	File	WhipRegGeo	


transition zone
porphyry zone
porphyry zone
1
2
3
663,000m E
664,000m E
665,000m E
5,462,000m N
5,461,000m N
5,460,000m N
5,459,000m N
N
0 200 400 600 1000
metres
LEGEND
Whipsaw Porphyry
Eagle Granodioite
Nicola Group (volcanics and sediments)
Limestone
MARTECH INDUSTRIES INC.
WHIPSAW PROPERTY
Similkameen Mining Division
Property Geology Map
Date Feb 3, 2015
Scale 1:20,000
Figure 5.2
Projection UTM Zone 10 - NAD83
State/Province BC
BCGS
NTS 92H02,07
Author MJD
File Whip13PropGeo

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 "parked" during and after the intense Early Tertiary erosion of the Tulameen ultrabasic rocks.

Nicola Group

The Nicola Group is composed 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. Minor magnetite is disseminated throughout the Nicola rocks but appears to be concentrated cowards the contact of the Whipsaw porphyry.

Eagle Batholith

The Eagle Batholith is considered to be part of the Coast Range intrusives. 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 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 a 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 present—although not always—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. 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.

MINERALIZTION

In the north-central part of the property, the Whipsaw Porphyry, a crescent shaped intrusion 1500 metres by 600 metres in size 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 intrusive contact, the North Zone and the South Zone. Anomalous soil and silt geochemistry and widespread early drill holes suggest the possibility of a third zone on 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

6.1 Soil Geochemical Survey

The 2015 soil geochemical grid consisted of extensions to the 2014 sample lines and was tied into the historical sampling in this area (Figure 6.1). Anomalous values located at the northwestern edge of the 2013 and 2014 grid required additional sampling to constrain the anomalous copper values (Figure 6.1-1). Lines 100N to 400N were extended from 525W to 900W, with samples at 25m intervals for a total of 111 samples. Samples were analysed at the Bureau Veritas facility in Vancouver, BC, utilizing the SS80 sample preparation procedure and the 33 element AQ300 analytical ICP package and AQ115 Gold analyses. Sample number and locations are shown in Table 6.1 below.

Table 6.1 – 2015 Soil Sample Locations, UTM Zone 10, NAD 83

Sample ID	UTM E	UTM N		Sample ID	UTM E	UTM N		Sample ID	UTM E	UTM N
L100N/5+25W	662151.36	5462470.79		L200N/6+50W	661997.34	5462493.92		L300N/7+75W	661841.79	5462534.52
L100N/5+50W	662129.18	5462459.25		L200N/6+75W	661975.27	5462482.16		L300N/8+00W	661819.38	5462523.39
L100N/5+75W	662107.01	5462447.73		L200N/7+00W	661953.21	5462470.39		L300N/8+25W	661797	5462512.26
L100N/6+00W	662084.82	5462436.21		L200N/7+25W	661931.16	5462458.62		L300N/8+50W	661774.61	5462501.13
L100N/6+25W	662062.64	5462424.67		L200N/7+50W	661909.09	5462446.84		L300N/8+75W	661752.23	5462490.01
L100N/6+50W	662040.46	5462413.15		L200N/7+75W	661887.03	5462435.1		L300N/9+00W	661729.83	5462478.88
L100N/6+75W	662018.27	5462401.6		L200N/8+00W	661864.97	5462423.33		L350N/5+25W	662044.07	5462691.35
L100N/7+00W	661996.09	5462390.08		L200N/8+25W	661842.92	5462411.56		L350N/5+75W	661999.7	5462668.3
L100N/7+25W	661973.91	5462378.57		L200N/8+50W	661820.85	5462399.8		L350N/6+00W	661977.51	5462656.77
L100N/7+50W	661951.71	5462367.03		L200N/8+75W	661798.79	5462388.04		L350N/6+25W	661955.34	5462645.24
L100N/7+75W	661929.54	5462355.5		L200N/9+00W	661776.74	5462376.27		L350N/6+50W	661933.15	5462633.71
L100N/8+00W	661907.35	5462343.97		L250N/5+25W	662082.88	5462596.52		L350N/6+75W	661910.97	5462622.19
L100N/8+25W	661885.18	5462332.44		L250N/5+50W	662060.5	5462585.39		L350N/7+00W	661888.78	5462610.65
L100N/8+50W	661862.99	5462320.91		L250N/5+75W	662038.11	5462574.23		L350N/7+25W	661866.6	5462599.11
L100N/8+75W	661840.81	5462309.38		L250N/6+00W	662015.74	5462563.09		L350N/7+50W	661844.42	5462587.6
L100N/9+00W	661818.63	5462297.87		L250N/6+25W	661993.36	5462551.93		L350N/7+75W	661822.27	5462576.38
L150N/5+25W	662127.9	5462509.76		L250N/6+50W	661970.98	5462540.8		L350N/8+00W	661800.05	5462564.53
L150N/5+50W	662105.72	5462498.23		L250N/6+75W	661948.6	5462529.65		L350N/8+25W	661777.87	5462553.01
L150N/5+75W	662083.54	5462486.7		L250N/7+00W	661926.23	5462518.51		L350N/8+50W	661755.69	5462541.49
L150N/6+00W	662061.35	5462475.18		L250N/7+25W	661903.85	5462507.36		L350N/8+75W	661733.5	5462529.94
L150N/6+25W	662039.18	5462463.64		L250N/7+50W	661881.48	5462496.21		L350N/9+00W	661711.31	5462518.42
L150N/6+50W	662016.98	5462452.11		L250N/7+75W	661859.1	5462485.08		L400N/5+25W	662019.58	5462735.29
L150N/6+75W	661994.81	5462440.6		L250N/8+00W	661836.71	5462473.93		L400N/5+50W	661997.44	5462723.68
L150N/7+00W	661972.62	5462429.07		L250N/8+25W	661814.35	5462462.79		L400N/5+75W	661975.3	5462712.08
L150N/7+25W	661950.44	5462417.53		L250N/8+50W	661791.96	5462451.63		L400N/6+00W	661953.15	5462700.48
L150N/7+50W	661928.25	5462406		L250N/8+75W	661769.58	5462440.5		L400N/6+25W	661931	5462688.88
L150N/7+75W	661906.07	5462394.48		L250N/9+00W	661747.2	5462429.36		L400N/6+50W	661908.85	5462677.28
L150N/8+00W	661882.32	5462382.35		L300N/5+25W	662065.66	5462645.76		L400N/6+75W	661886.7	5462665.69
L150N/8+25W	661861.71	5462371.41		L300N/5+50W	662043.27	5462634.64		L400N/7+00W	661864.57	5462654.08
L150N/8+50W	661839.53	5462359.89		L300N/5+75W	662020.88	5462623.52		L400N/7+25W	661842.41	5462642.47
L150N/8+75W	661817.34	5462348.35		L300N/6+00W	661998.5	5462612.39		L400N/7+50W	661820.27	5462630.88
L150N/9+00W	661795.15	5462336.83		L300N/6+25W	661976.1	5462601.26		L400N/7+75W	661798.13	5462619.28
L200N/5+25W	662107.62	5462552.74		L300N/6+50W	661953.72	5462590.14		L400N/8+00W	661775.98	5462607.68
L200N/5+50W	662085.56	5462540.99		L300N/6+75W	661931.32	5462579.01		L400N/8+25W	661753.84	5462596.09
L200N/5+75W	662063.49	5462529.21		L300N/7+00W	661908.95	5462567.89		L400N/8+50W	661731.69	5462584.49
L200N/6+00W	662041.44	5462517.46		L300N/7+25W	661886.55	5462556.76		L400N/8+75W	661709.54	5462572.89
L200N/6+25W	662019.39	5462505.67		L300N/7+50W	661864.17	5462545.63		L400N/9+00W	661687.39	5462561.28

6.2 Data Compilation

The process of digitizing the Whipsaw database was started during the 2013 work program. For 2014 the process continued with the addition of historical geophysical surveys in the porphyry

662,000m E
664,000m E
666,000m E
668,000m E
5,464,000m N
5,462,000m N
5,460,000m N
N
0 500 1000
metres

L E G E N D

- 2012-15 soil sample
- pre-2012 soil sample

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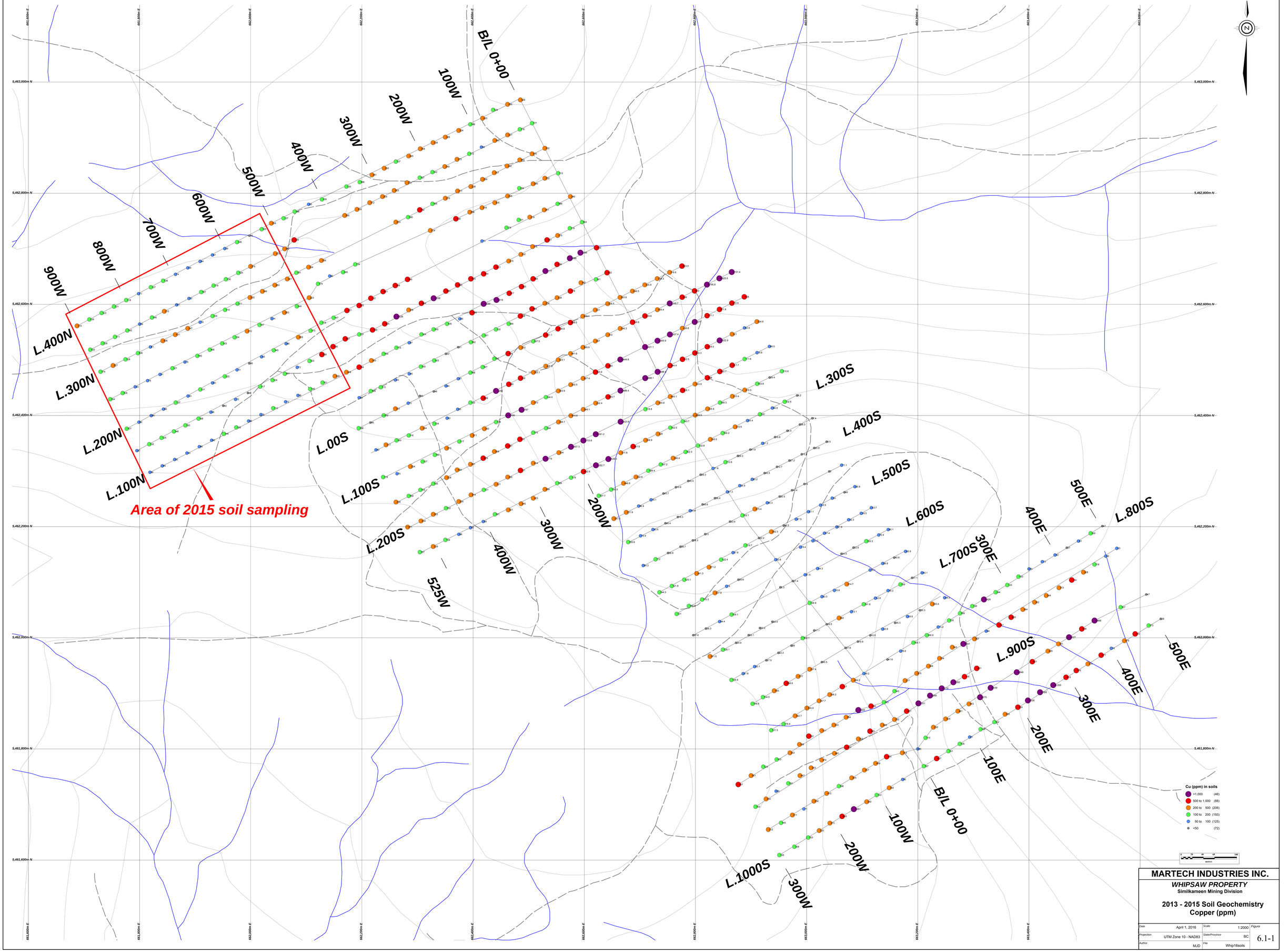
Similkameen Mining Division

Historical and Current Soil Grids

Date	Apr 8, 2016	Scale	1:25,000	Figure
Projection	UTM Zone 10 - NAD83	State/Province	BC	6.1
BCGS		NTS	92H02,07	
Author	MJD	File	Whip15-SoilGrids	



MARTECH INDUSTRIES INC.

WHIPSAW PROPERTY

Similkameen Mining Division

2013 - 2015 Soil Geochemistry
Copper (ppm)

Date	April 1, 2016	Scale	1:2000
Projection	UTM Zone 10 - NAD83	State/Province	BC
Author	MJD	File	Whip16soils

Figure 6.1-1

area. In 2015 additional geochemical data was discovered which indicated that multiple soil geochemical surveys have been conducted over various portions of the Whipsaw property by previous operators. Until now there have been no maps showing the locations of these grids relative to each other or the property boundaries. For this reason it was decided to compile all of these grids onto the compilation map that was started in 2013. As a result of this work it was determined that the 2013 and 2014 soil surveys partly overlapped an Amax grid from 1968 as shown on Figure 6.1. The Amax sampling was carried out at 200 foot centres and so the more recent work did serve to provide a more detailed distribution pattern for the copper values. The 2015 sampling ties in to the west side of the Amax grid in an area that had seen no previous work.

In 2015 copper values ranged from 16ppm to 738ppm with a value of 379ppm for anomalous values greater than the 95th percentile. Statistics for the 2015 sample results are shown in Table 6.2, and Certificates in Appendix A. Plots of the copper and molybdenum values are shown on Figures 6.2-1 and 6.2-2 respectively.

Table 6.2
Statistical Values for Selected Elements, 2015 Soil Samples

Statistics	Mo	Cu	Ag	Au	Ni	Co
	ppm	ppm	ppm	ppb	ppm	ppm
Min	2	16	0	0	1	0
Max	33	738	1.8	26.6	40	26
Mean	8	121	0.4	2.5	14	6
95th%	23	379	0.7	9.9	29	16
97th%	24	423.5	0.77	10.98	30	18
Anom Samples	5	6	4	6	5	5

Mapping of the float fragments during the sampling program indicated that the majority of the area covered was likely underlain by Eagle Granodiorite. This is also evident in the lower overall values for copper and moly as compared to the results from the 2013 – 2014 sampling. No clear correlation between elements was shown by the results of the 2015 work. By comparison the 95th% value for the 2013-2014 samples for copper is >1400ppm, indicating that in this area the western edge of the mineralization has been reached.

This information was then combined with the 2013 and 2014 compilation to produce an accurate plan map of the known drilling and geochemical surveys within the porphyry area. Geology, geochemistry, trenching, drill locations along with IP and EM anomalies have now been digitized to create a compilation map (Figure 6.2-3) of all of the known data for this portion of the Whipsaw property. This will aid in evaluating the areas that have been drilled and assist in developing additional targets for future programs.

7 INTERPRETATIONS AND CONCLUSIONS

The soil geochemical survey was designed to expand upon the results received from the 2014 sampling program. Strong copper anomalies which remained open at the conclusion of the previous year's work appear to have been closed off to the northwest.

At the northern portion of the grid area, the geophysical anomalies correlate well with the zones of anomalous copper values and extend to the northeast of the existing coverage on Lines 100S and 150N. On Line 100S a 150m chargeability anomaly is coincident with a zone of >1200ppm copper. At the southern edge of the gridded area a series of IP anomalies appear to correlate with the contact zone between the Whipsaw Porphyry and the Eagle Granodiorite to the west on nine adjacent lines. Other chargeability anomalies are present along the Whipsaw – Nicola contact on 4 lines. These anomalous zones are also coincident with anomalous copper values from the 2014 sampling.

No Window

BL 0+00
100W
200W
300W
400W
500W
600W
700W
800W
900W
L.400N
L.300N
L.200N
L.100N
L.00S
L.100S
L.200S
525W
L.300S
L.400S
L.500S
L.600S
L.700S
L.800S
L.900S
L.1000S
300E
400E
500E
200E
100E
BL 0+00
Area of 2015 soil sampling

Cu (ppm) in soils
- >1,000 (46)
- 500 to 1,000 (88)
- 200 to 500 (206)
- 100 to 200 (193)
- 50 to 100 (125)
- <50 (72)

MARTECH INDUSTRIES INC.

WHIPSAW PROPERTY

Similkameen Mining Division

2013 - 2015 Soil Geochemistry
Copper (ppm)

Date	April 1, 2016	Scale	1:2000
Projection	UTM Zone 10 - NAD83	State/Province	BC
Author	MJD	File	Whip16soils

Figure 6.2-1

No Window

B/L 0+00
100W
200W
300W
400W
500W
600W
700W
800W
900W
L.400N
L.300N
L.200N
L.100N
L.00S
L.100S
L.200S
525W
Area of 2015 soil sampling
L.300S
L.400S
L.500S
L.600S
L.700S
L.800S
L.900S
L.1000S
300E
400E
500E
200E
100E
B/L 0+00
100W
200W
300W
400W
500E
400E
300E
200E
100E

Mo (ppm) in soils
- >50 (32)
- 20 to 50 (175)
- 10 to 20 (180)
- 5 to 10 (136)
- 1 to 5 (165)
- <1 (40)

0 20 40 80 120
Metres

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Similkameen Mining Division

2013 - 2015 Soil Geochemistry
Molybdenum (ppm)

Date	April 1, 2016	Scale	1:2000
Projection	UTM Zone 10 - NAD83	State/Province	BC
Author	MJD	File	Whip16soils

Figure 6.2-2

MARTECH INDUSTRIES INC.

WHIPSAW PROPERTY

Similkameen Mining Division

Porphyry Area Compilation Map

Date	Apr 8, 2016	Scale	1:2000
Projection	UTM Zone 10 - NAD83	State/Province	BC
Author	MJD	File	Whip16comp

Figure 6.2-3

LEGEND

- Whipsaw Porphyry
- Eagle Granodioite
- Nicola Group (volcanics and sediments)
- Limestone
- Fault
- Drill hole
- Drill trace digitized from map
- Soil grid

Geophysics (1961,1963)

- Strong IP anomaly
- Moderate IP anomaly
- EM conductor axis

BIL 0+00
100W
200W
300W
400W
500W
600W
700W
800W
900W
L.400N
L.300N
L.200N
L.100N
L.00S
L.100S
L.200S
525W
Trench E
TrC
TrD
TrB
Tr A
Tr F
Tr 5
Tr G
Amax Tr5
Amax Tr4
Amax Tr4a
Amax Tr8
Amax Tr3
Amax Tr6
L.300S
L.400S
L.500S
L.600S
L.700S
L.800S
L.900S
L.1000S
500E
400E
300E
200E
100E
BIL 0+00
P-11
M95-1
P-21
P-12
P-19
P-18
72W04
2005-07
72W03
72W02
72W06
2005-06
W90-9
W90-8
2005-04,05
W90-7
W04-11,12,2005-01
72W01
W90-11
2005-05
M95-3
180-9
2005-02
2005-03
M95-2
72W05
W04-12
69W01
M95-2
2005-03
DDH02,05
DDH03
DDH04
DDH01
180-7
M97-8
M95-4
180-1
69W02
M98-10
M95-5,W5
W5
180-2
69W04
W2
180-6
W4
M95-6
W3
W1
180-4
M95-8
M95-6
5,463,000m N
5,462,800m N
5,462,600m N
5,462,400m N
5,462,200m N
5,462,000m N
5,461,800m N
5,461,600m N
662,000m E
662,200m E
662,400m E
662,600m E
662,800m E
663,000m E
663,200m E
663,400m E
663,600m E
0 20 40 60 100
metres

The airborne EM anomalies also appear to be coincident with the contact zones of the Whipsaw Porphyry and the Eagle Granodiorite and Nicola Volcanics as currently mapped.

This data compilation indicates that both IP and EM appear to be valid tools in further defining mineralization within the Whipsaw Porphyry target area.

8 RECOMMENDATIONS AND BUDGET

As a result of the work completed during the program described herein, a program consisting of expansion of the soil geochemical grid and completion of the data compilation is recommended for the Whipsaw property. An additional 500 soil samples to expand the coverage of the known anomalies would represent the 2016 field program. Concurrent with that field work, the remainder of the historical geochemical, geological and geophysical data should be captured in digital format to complete the compilation. The program is estimated to cost $55,000.00.

8.1 Cost Estimate

A budget of $55,000 is required to support the recommended work program as outlined in Table 18.1 below:

Table 8.1 – Recommended Exploration Program Budget

Whipsaw Recommended Budget		
Item	**Description**	**Amount**
Data Compilation		$20,000
Soil Geochemical Survey	Sample Collection	$ 5,000
Assays	500 samples@$20/sample	$10,000
Support	$75/day with 6 people, 30 days	$ 4,000
Draftingl	Digitizing	$10,000
Field Supplies	flagging, pickets, consumables	$ 2,000
Transportation	truck rental & fuel	$ 2,000
Report Preparation		$ 2,000
Sub-Total		$55,000
Contingency	@10%	$ 5,500
	Total Recommended Budget	**$55,500**

Signed and sealed by

_____

Jim Chapman, P.Geo.

Dated February 10, 2016

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G.S.C. & B.C.M.E.M.P.R., 1973: Magnetic Maps 8530G and 8531G

10 CERTIFICATE of AUTHOR

Jim Chapman
2705 West 5th Avenue
Vancouver, BC V6K 1T5
Telephone: 778-228-2676
jchapman@pendergroup.ca

I, Jim Chapman, P.Geo. do hereby certify that:

1. I am currently employed as a Consulting Geologist by:
   Martech Mining Inc.
   2680 Cambridge Street
   Vancouver, BC,
   V5K 1L5

2. I graduated with a B.Sc. in Geology from the University of British Columbia in 1976.

3. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia, Licence # 19871.

4. I have worked as an exploration geologist since graduation from university. I supervised the exploration work carried out in 2015 as described in this report.

5. I am the author of the Assessment Report titled Soil Sampling and Data Compilation Assessment Report, on the Whipsaw Creek Property, Similkameen Mining Division, BRITISH COLUMBIA, January 31, 2016.

6. I have no personal interest, direct or indirect, in Martech Industries Inc. or in the Whipsaw Creek property, nor do I expect to receive such interest.

_____
Jim Chapman, P.Geo.

Dated January 31, 2016

11 SCHEDULE OF DISBURSEMENTS

Date	Description	Personnel	Support	Total Cost
7/13/2015	Drafting/Digitizing - Moonraker Multimedia			$ 1,673.44
10/19/2015	Drafting/Digitizing - Moonraker Multimedia			$ 1,712.81
6/10/2015 to 07/10/2015	Map Copying and Scanning			$ 301.61
4/2015-6/2015	Data Compilation, J Chapman 49.5hrs@$100/hr	$ 4,950.00		$ 4,950.00
	Data Entry, 67.5hrs @$20/hr	$ 1,350.00		$ 1,350.00
8/14/2015	Soil Survey, 8/14/15 - 8/19/15	$ 4,850.00	$ 935.74	$ 5,785.74
	J Chapman 44hrs@$100/hr	$ 4,400.00		$ 4,400.00
	J McCorquodale 3 days @$150/day	$ 450.00		$ 450.00
	Vehicle Rental 5 days @$60/day			$ 300.00
	Assays - Acme Labs			$ 3,745.40
	Core Storage			$ 1,036.00
12/01/2015	Copies			$ 79.73
10/02/2016	Report Prep J. Chapman, P.Geo	$ 2,000.00		$ 2,000.00
10/02/2016	Drafting/Digitizing - Moonraker Multimedia			$ 940.00
Total				**$ 28,724.73**

Appendix 1

GEOCHEMICAL CERTIFICATES

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

www.acmelab.com

Client: **Martech Industries Inc.**
1329 - 510 West Hastings Street
Vancouver BC V6B 1L8 CANADA

Submitted By: Charles Martin
Receiving Lab: Canada-Vancouver
Received: October 08, 2014
Report Date: November 01, 2014
Page: 1 of 6

CERTIFICATE OF ANALYSIS VAN14003306.1

CLIENT JOB INFORMATION

Project: Whipsaw
Shipment ID:
P.O. Number
Number of Samples: 127

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
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

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	127	Dry at 60C			VAN
SS80	127	Dry at 60C sieve 100g to -80 mesh			VAN
AQ300	127	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
AQ115	127	Acid digest, Au by ICP-MS analysis	15	Completed	VAN
DRPLP	127	Warehouse handling / disposition of pulps			VAN

ADDITIONAL COMMENTS

Invoice To: Martech Industries Inc.
1329 - 510 West Hastings Street
Vancouver BC V6B 1L8
CANADA

CC: Jim Chapman

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory 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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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Martech Industries Inc.**
1329 - 510 West Hastings Street
Vancouver BC V6B 1L8 CANADA

Project: Whipsaw
Report Date: November 01, 2014

CERTIFICATE OF ANALYSIS VAN14003306.1

		Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
		MDL	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	1
0800S 0200E	Soil		2	169	6	244	0.4	21	12	374	3.15	11	<2	20	1.2	<3	<3	62	0.25	0.061	18	36
0800S 0225E	Soil		2	136	6	86	0.4	19	10	297	2.65	9	<2	12	<0.5	<3	<3	60	0.13	0.056	4	37
0800S 0250E	Soil		8	1426	3	78	1.1	30	14	447	3.14	11	<2	26	<0.5	<3	<3	69	0.38	0.083	35	63
0800S 0275E	Soil		1	194	<3	62	0.6	14	7	158	2.24	8	<2	23	<0.5	<3	<3	49	0.29	0.018	7	24
0800S 0300E	Soil		1	133	5	76	0.5	19	9	169	2.74	7	<2	20	<0.5	<3	<3	63	0.24	0.028	5	34
0800S 0325E	Soil		<1	133	6	367	0.8	26	11	550	3.22	8	<2	40	1.1	<3	<3	67	0.43	0.031	15	43
0800S 0350E	Soil		1	90	3	76	<0.3	24	13	257	3.25	10	<2	13	<0.5	<3	<3	72	0.13	0.048	6	47
0800S 0375E	Soil		<1	73	9	81	<0.3	25	13	409	3.27	11	<2	13	<0.5	<3	<3	73	0.12	0.046	4	47
0800S 0400E	Soil		2	62	5	78	0.4	25	12	535	2.89	9	<2	18	<0.5	<3	<3	65	0.21	0.053	4	43
0800S 0425E	Soil		<1	37	<3	62	<0.3	23	10	254	2.52	6	<2	15	<0.5	<3	<3	59	0.23	0.035	3	44
0800S 0450E	Soil		1	61	4	90	<0.3	24	13	812	3.40	14	<2	12	<0.5	<3	<3	65	0.11	0.069	6	39
0800S 0475E	Soil		2	100	7	85	<0.3	21	13	358	3.67	12	<2	14	<0.5	<3	<3	66	0.11	0.083	9	31
0800S 0500E	Soil		3	47	22	85	0.8	12	9	253	4.75	16	<2	15	<0.5	<3	<3	52	0.04	0.158	14	19
0850S 300W	Soil		11	567	3	47	0.7	8	4	115	3.87	6	<2	12	<0.5	3	<3	110	0.04	0.078	5	20
0850S 0275W	Soil		33	281	3	45	0.5	6	3	111	4.83	8	<2	48	<0.5	<3	<3	118	0.05	0.061	8	16
0850S 0250W	Soil		15	125	5	44	0.6	6	2	108	4.28	6	<2	27	<0.5	<3	<3	111	0.04	0.094	6	15
0850S 0225W	Soil		18	163	5	44	1.0	6	2	121	3.89	5	<2	14	<0.5	<3	<3	139	0.07	0.074	4	11
0850S 0200W	Soil		34	353	<3	74	0.8	3	<1	169	7.78	3	<2	26	<0.5	<3	<3	275	0.03	0.090	3	3
0850S 0175W	Soil		58	326	<3	45	0.7	7	3	152	4.38	7	<2	14	<0.5	<3	<3	158	0.08	0.053	3	14
0850S 0150W	Soil		81	763	6	63	2.4	8	3	178	7.01	7	<2	20	<0.5	<3	<3	214	0.10	0.086	3	16
0850S 0125W	Soil		41	311	<3	56	1.0	6	3	137	4.85	8	<2	17	<0.5	<3	<3	193	0.07	0.082	4	14
0850S 0100W	Soil		43	333	<3	55	0.8	7	3	128	4.59	6	<2	13	<0.5	<3	<3	170	0.07	0.077	5	19
0850S 0075W	Soil		12	384	<3	45	0.6	8	5	115	2.62	6	<2	6	<0.5	<3	<3	74	0.04	0.068	4	18
0850S 0050W	Soil		27	1345	6	95	1.1	31	12	221	3.97	8	<2	15	<0.5	<3	<3	160	0.14	0.062	4	102
0850S 0025W	Soil		35	630	<3	78	1.0	20	9	256	4.20	9	<2	16	<0.5	<3	<3	163	0.16	0.056	4	57
0850S 0000E	Soil		4	153	5	42	0.5	11	5	102	2.27	6	<2	7	<0.5	<3	<3	53	0.04	0.064	3	23
0850S 0025E	Soil		4	143	7	41	0.6	8	4	77	1.88	5	<2	7	<0.5	<3	<3	45	0.05	0.047	3	18
0850S 0050E	Soil		8	277	8	82	0.5	19	10	216	2.61	7	<2	9	<0.5	<3	<3	60	0.12	0.049	4	37
0850S 0075E	Soil		6	375	<3	120	1.2	31	11	316	2.87	8	<2	22	<0.5	<3	<3	65	0.33	0.036	11	51
0850S 0100E	Soil		6	369	7	121	1.3	29	12	204	2.98	8	<2	20	<0.5	<3	<3	71	0.25	0.048	6	57

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Client: **Martech Industries Inc.**
1329 - 510 West Hastings Street
Vancouver BC V6B 1L8 CANADA

Project: Whipsaw
Report Date: November 01, 2014

CERTIFICATE OF ANALYSIS VAN14003306.1

Method		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ115
Analyte		Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Au
Unit		%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	ppb
MDL		0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.5
0800S 0200E	Soil	0.74	138	0.043	<20	1.89	<0.01	0.07	<2	<0.05	<1	<5	<5	<5	19.3
0800S 0225E	Soil	0.71	106	0.038	<20	1.68	<0.01	0.04	<2	<0.05	<1	<5	<5	<5	17.5
0800S 0250E	Soil	1.16	130	0.043	<20	1.63	<0.01	0.09	<2	<0.05	<1	<5	<5	9	44.6
0800S 0275E	Soil	0.44	167	0.061	<20	1.80	<0.01	0.04	<2	<0.05	<1	<5	<5	<5	11.7
0800S 0300E	Soil	0.58	164	0.057	<20	1.99	<0.01	0.05	<2	<0.05	<1	<5	7	<5	9.6
0800S 0325E	Soil	0.75	260	0.063	<20	2.36	<0.01	0.05	<2	<0.05	<1	<5	6	<5	8.6
0800S 0350E	Soil	0.94	129	0.043	<20	2.02	<0.01	0.06	<2	<0.05	<1	<5	5	<5	10.5
0800S 0375E	Soil	0.91	147	0.045	<20	2.13	<0.01	0.06	<2	<0.05	<1	<5	<5	<5	2.3
0800S 0400E	Soil	0.82	197	0.041	<20	1.87	<0.01	0.06	<2	<0.05	<1	<5	7	<5	3.1
0800S 0425E	Soil	0.79	116	0.036	<20	1.56	<0.01	0.11	<2	<0.05	<1	<5	<5	<5	2.5
0800S 0450E	Soil	0.69	276	0.036	<20	2.27	<0.01	0.07	<2	<0.05	<1	<5	6	<5	2.9
0800S 0475E	Soil	0.59	264	0.047	<20	2.34	<0.01	0.07	<2	<0.05	<1	<5	7	<5	6.5
0800S 0500E	Soil	0.21	315	0.009	<20	2.20	<0.01	0.08	<2	0.10	<1	<5	5	<5	20.4
0850S 300W	Soil	0.76	86	0.147	<20	3.17	0.01	0.14	<2	0.11	<1	<5	8	8	1.7
0850S 0275W	Soil	1.12	170	0.122	<20	2.99	0.02	0.50	<2	0.32	<1	<5	10	11	8.8
0850S 0250W	Soil	0.85	145	0.184	<20	3.39	0.01	0.24	<2	0.14	<1	<5	9	9	2.8
0850S 0225W	Soil	0.77	91	0.180	<20	3.15	0.01	0.10	<2	0.06	<1	<5	10	8	2.1
0850S 0200W	Soil	1.77	382	0.418	<20	2.78	0.04	1.53	<2	0.89	<1	<5	8	26	16.6
0850S 0175W	Soil	0.86	101	0.199	<20	2.85	0.01	0.11	<2	<0.05	<1	<5	6	8	9.1
0850S 0150W	Soil	1.52	93	0.262	<20	3.77	0.02	0.16	<2	0.11	<1	<5	9	13	34.1
0850S 0125W	Soil	1.09	102	0.244	<20	3.43	0.02	0.15	<2	0.08	<1	<5	8	11	7.0
0850S 0100W	Soil	0.97	98	0.214	<20	3.31	0.01	0.12	<2	0.05	<1	<5	9	10	3.2
0850S 0075W	Soil	0.39	58	0.118	<20	2.58	<0.01	0.03	<2	<0.05	<1	<5	7	<5	2.1
0850S 0050W	Soil	1.75	118	0.212	<20	3.73	<0.01	0.33	<2	<0.05	<1	<5	7	13	7.7
0850S 0025W	Soil	1.42	107	0.197	<20	3.29	<0.01	0.11	<2	<0.05	<1	<5	9	11	8.6
0850S 0000E	Soil	0.40	51	0.050	<20	1.70	<0.01	0.03	<2	<0.05	<1	<5	6	<5	3.1
0850S 0025E	Soil	0.23	66	0.064	<20	1.43	<0.01	0.03	<2	<0.05	<1	<5	6	<5	4.4
0850S 0050E	Soil	0.57	99	0.055	<20	1.85	<0.01	0.04	<2	<0.05	<1	<5	7	<5	7.2
0850S 0075E	Soil	0.76	225	0.067	<20	2.35	<0.01	0.05	<2	<0.05	<1	<5	6	<5	11.7
0850S 0100E	Soil	0.80	145	0.077	<20	2.33	<0.01	0.05	<2	<0.05	<1	<5	7	<5	6.4

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Project: Whipsaw
Report Date: November 01, 2014

CERTIFICATE OF ANALYSIS VAN14003306.1

		Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
		MDL	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	1
0850S 0125E	Soil		6	294	8	104	0.5	24	11	203	2.97	9	<2	13	<0.5	<3	<3	70	0.15	0.050	4	52
0850S 0150E	Soil		5	343	4	112	0.9	25	12	262	2.84	7	<2	17	<0.5	<3	<3	68	0.22	0.046	6	50
0850S 0175E	Soil		27	1541	<3	113	2.4	20	14	403	4.18	14	<2	37	<0.5	<3	<3	156	0.73	0.157	32	34
0850S 0200E	Soil		6	257	<3	72	0.8	25	11	322	2.59	7	<2	18	<0.5	<3	<3	64	0.19	0.046	4	52
0850S 0225E	Soil		4	94	<3	39	<0.3	43	15	462	2.59	6	<2	21	<0.5	<3	<3	63	0.32	0.074	4	87
0850S 0250E	Soil		10	541	<3	96	0.4	31	11	219	2.90	9	<2	14	<0.5	<3	<3	83	0.17	0.052	4	77
0850S 0275E	Soil		4	825	4	158	1.0	36	12	581	3.24	11	<2	36	<0.5	<3	<3	70	0.43	0.052	7	47
0850S 0300E	Soil		6	364	5	102	0.9	18	8	201	2.69	9	<2	14	<0.5	<3	<3	64	0.17	0.050	4	33
0850S 0325E	Soil		6	362	<3	97	0.7	26	12	254	3.45	11	<2	21	<0.5	<3	<3	80	0.23	0.037	5	50
0850S 0350E	Soil		8	244	4	167	0.9	26	13	319	3.23	10	<2	16	<0.5	<3	<3	76	0.18	0.034	4	47
0850S 0375E	Soil		8	313	5	112	0.8	31	15	363	3.59	11	<2	16	<0.5	<3	<3	85	0.13	0.052	5	59
0850S 0400E	Soil		18	784	6	123	1.9	43	16	324	3.55	11	<2	21	<0.5	<3	<3	105	0.17	0.055	5	112
0850S 0425E	Soil		6	328	8	83	1.3	28	15	458	3.47	13	<2	16	<0.5	<3	<3	73	0.16	0.073	7	52
0850S 0450E	Soil		2	118	11	102	0.6	24	11	385	4.25	22	<2	11	<0.5	<3	<3	71	0.08	0.088	9	38
0850S 0475E	Soil		3	82	5	76	0.4	20	11	367	3.78	10	<2	17	<0.5	<3	<3	66	0.10	0.057	9	32
0850S 0500E	Soil		<1	63	<3	98	<0.3	21	10	642	2.67	7	<2	28	<0.5	<3	<3	60	0.23	0.077	3	33
0900S 0300W	Soil		18	153	<3	38	0.5	7	4	104	3.76	5	<2	16	<0.5	<3	<3	87	0.07	0.061	3	13
0900S 0275W	Soil		9	204	<3	45	0.6	14	9	170	2.93	6	<2	18	<0.5	<3	<3	82	0.14	0.039	3	26
0900S 0250W	Soil		12	86	5	45	0.7	6	2	108	3.69	6	<2	13	<0.5	<3	<3	113	0.04	0.078	5	9
0900S 0225W	Soil		46	191	<3	42	0.8	6	2	133	5.16	4	<2	22	<0.5	<3	<3	180	0.07	0.072	4	9
0900S 0200W	Soil		124	447	<3	59	1.6	6	<1	182	9.78	6	<2	22	<0.5	<3	<3	259	0.07	0.096	3	10
0900S 0175W	Soil		63	263	<3	49	0.7	8	3	319	4.23	13	<2	27	<0.5	<3	<3	146	0.17	0.057	3	16
0900S 0150W	Soil		49	474	3	57	1.3	7	2	168	5.98	6	<2	19	<0.5	<3	<3	202	0.10	0.071	4	13
0900S 0125W	Soil		70	481	<3	52	1.2	9	2	150	6.51	6	<2	21	<0.5	<3	<3	228	0.05	0.076	4	41
0900S 0100W	Soil		68	670	<3	65	0.9	12	7	187	5.27	7	<2	25	<0.5	<3	<3	191	0.10	0.076	6	28
0900S 0075W	Soil		14	263	3	52	0.6	11	7	155	2.84	9	<2	8	<0.5	<3	<3	78	0.07	0.056	3	22
0900S 0050W	Soil		42	945	10	79	0.9	12	9	158	3.79	11	<2	12	<0.5	<3	<3	136	0.07	0.065	4	30
0900S 0025W	Soil		36	449	3	71	1.0	9	6	175	3.68	9	<2	11	<0.5	<3	<3	134	0.07	0.070	4	19
0900S 0000W	Soil		9	252	<3	78	0.7	19	9	193	3.19	8	<2	13	<0.5	<3	<3	86	0.11	0.043	3	34
0900S 0025E	Soil		47	627	<3	76	1.0	15	10	151	3.73	12	<2	9	<0.5	<3	<3	116	0.07	0.054	3	39

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Project: Whipsaw
Report Date: November 01, 2014

CERTIFICATE OF ANALYSIS VAN14003306.1

Method		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ115
Analyte		Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Au
Unit		%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	ppb
MDL		0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.5
0850S 0125E	Soil	0.76	72	0.068	<20	2.17	<0.01	0.04	<2	<0.05	<1	<5	6	<5	4.7
0850S 0150E	Soil	0.73	124	0.065	<20	2.07	<0.01	0.04	<2	<0.05	<1	5	6	<5	2.3
0850S 0175E	Soil	1.76	189	0.176	<20	2.61	<0.01	0.31	<2	<0.05	<1	<5	10	10	31.4
0850S 0200E	Soil	0.87	162	0.038	<20	1.69	<0.01	0.05	<2	<0.05	<1	5	6	<5	3.8
0850S 0225E	Soil	1.47	71	0.048	<20	1.61	<0.01	0.08	<2	<0.05	<1	<5	<5	<5	2.6
0850S 0250E	Soil	1.21	76	0.073	<20	1.88	<0.01	0.08	<2	<0.05	<1	<5	<5	5	29.1
0850S 0275E	Soil	0.83	284	0.066	<20	2.46	<0.01	0.06	<2	<0.05	<1	5	6	<5	5.1
0850S 0300E	Soil	0.52	96	0.059	<20	1.80	<0.01	0.04	<2	<0.05	<1	<5	6	<5	4.8
0850S 0325E	Soil	1.05	98	0.040	<20	2.09	<0.01	0.05	<2	<0.05	<1	<5	6	<5	5.0
0850S 0350E	Soil	0.90	133	0.065	<20	2.31	<0.01	0.06	<2	<0.05	<1	<5	6	<5	1.8
0850S 0375E	Soil	1.13	146	0.062	<20	2.40	<0.01	0.08	<2	<0.05	<1	<5	6	<5	2.2
0850S 0400E	Soil	1.51	155	0.122	<20	2.72	<0.01	0.14	<2	<0.05	<1	<5	8	7	3.6
0850S 0425E	Soil	0.93	158	0.050	<20	2.34	<0.01	0.10	<2	<0.05	<1	<5	6	<5	7.1
0850S 0450E	Soil	0.65	333	0.028	<20	2.78	<0.01	0.07	<2	<0.05	<1	<5	8	<5	22.3
0850S 0475E	Soil	0.60	336	0.029	<20	2.33	<0.01	0.06	<2	<0.05	<1	<5	6	<5	8.1
0850S 0500E	Soil	0.59	172	0.062	<20	1.79	<0.01	0.04	<2	<0.05	<1	<5	5	<5	1.6
0900S 0300W	Soil	0.61	96	0.127	<20	2.35	0.01	0.13	<2	0.06	<1	<5	8	<5	1.4
0900S 0275W	Soil	0.74	73	0.066	<20	1.83	<0.01	0.07	<2	<0.05	<1	<5	<5	<5	3.4
0900S 0250W	Soil	0.53	92	0.182	<20	3.47	0.01	0.09	<2	0.08	<1	<5	9	6	2.0
0900S 0225W	Soil	1.02	136	0.249	<20	3.40	0.01	0.26	<2	0.11	<1	<5	9	11	4.1
0900S 0200W	Soil	1.50	110	0.314	<20	3.82	0.03	0.30	<2	0.30	<1	<5	5	13	25.3
0900S 0175W	Soil	0.87	153	0.175	<20	2.72	0.01	0.10	<2	<0.05	<1	<5	8	8	7.8
0900S 0150W	Soil	1.24	114	0.248	<20	3.52	0.02	0.27	<2	0.09	<1	<5	9	13	15.8
0900S 0125W	Soil	1.80	140	0.320	<20	3.52	0.02	0.81	<2	0.28	<1	<5	9	18	19.1
0900S 0100W	Soil	1.33	159	0.231	<20	3.16	0.02	0.39	<2	0.26	<1	<5	7	13	8.3
0900S 0075W	Soil	0.46	56	0.099	<20	2.25	<0.01	0.04	<2	<0.05	<1	6	<5	<5	6.1
0900S 0050W	Soil	1.04	66	0.177	<20	3.51	<0.01	0.06	<2	<0.05	<1	<5	9	9	3.3
0900S 0025W	Soil	0.81	93	0.177	<20	3.10	0.01	0.09	<2	<0.05	<1	6	8	8	6.0
0900S 0000W	Soil	0.83	84	0.081	<20	2.12	<0.01	0.05	<2	<0.05	<1	<5	7	<5	8.8
0900S 0025E	Soil	0.91	79	0.134	<20	2.82	<0.01	0.10	<2	<0.05	<1	<5	8	8	7.7

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Project: Whipsaw
Report Date: November 01, 2014

CERTIFICATE OF ANALYSIS VAN14003306.1

	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
	MDL	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	1
0900S 0050E	Soil	56	1001	<3	85	1.1	18	14	177	3.98	14	<2	11	<0.5	<3	<3	121	0.08	0.075	4	36
0900S 0075E	Soil	27	1269	7	58	0.8	15	13	223	2.97	17	<2	7	<0.5	<3	<3	81	0.07	0.128	5	32
0900S 0100E	Soil	26	6119	6	129	0.4	49	74	650	3.36	10	<2	19	<0.5	<3	<3	89	0.36	0.090	8	72
0900S 0125E	Soil	15	1282	3	220	1.2	39	27	588	5.00	24	<2	38	<0.5	<3	<3	165	0.82	0.023	14	79
0900S 0150E	Soil	10	719	4	150	0.9	33	14	210	3.23	11	<2	17	<0.5	<3	<3	99	0.26	0.045	4	70
0900S 0175E	Soil	16	881	5	114	0.8	37	19	451	3.29	10	<2	21	<0.5	<3	<3	89	0.26	0.068	8	85
0950S 0300W	Soil	15	212	8	58	1.0	10	7	128	3.37	7	<2	10	<0.5	<3	<3	83	0.06	0.055	4	18
0950S 0275W	Soil	10	145	<3	50	0.5	10	6	132	3.62	5	<2	14	<0.5	<3	<3	100	0.07	0.049	4	17
0950S 0250W	Soil	38	211	7	54	0.7	8	4	166	5.43	6	<2	26	<0.5	<3	<3	187	0.08	0.070	5	15
0950S 0225W	Soil	32	71	3	28	0.5	4	2	93	3.12	5	<2	8	<0.5	<3	<3	83	0.04	0.060	3	6
0950S 0200W	Soil	250	256	5	16	0.9	3	<1	64	8.61	18	<2	14	<0.5	<3	<3	91	0.06	0.092	2	3
0950S 0175W	Soil	55	410	<3	47	1.1	8	5	153	5.89	7	<2	13	<0.5	<3	<3	196	0.08	0.056	4	12
0950S 0150W	Soil	31	198	5	47	0.6	6	<1	122	3.97	3	<2	14	<0.5	<3	<3	133	0.08	0.061	3	8
0950S 0125W	Soil	27	265	8	45	0.7	14	4	144	3.70	6	<2	16	<0.5	<3	<3	123	0.14	0.051	3	28
0950S 0100W	Soil	60	407	9	47	1.1	10	<1	130	5.05	7	<2	18	<0.5	<3	<3	196	0.06	0.064	3	19
0950S 0075W	Soil	17	469	9	53	1.0	9	3	114	2.91	6	<2	11	<0.5	<3	<3	89	0.08	0.075	3	18
0950S 0050W	Soil	39	864	18	97	0.7	14	7	178	4.41	12	<2	29	<0.5	<3	<3	180	0.11	0.042	4	42
0950S 0025W	Soil	11	214	10	39	0.7	13	5	159	2.35	5	<2	13	<0.5	<3	<3	66	0.12	0.067	3	26
0950S 0000E	Soil	3	89	6	53	0.4	41	13	266	2.76	5	<2	17	<0.5	<3	<3	67	0.16	0.055	2	75
0950S 0025E	Soil	4	115	7	50	0.5	27	9	249	2.51	4	<2	17	<0.5	<3	<3	64	0.13	0.080	3	55
0950S 0050E	Soil	2	230	7	50	<0.3	54	18	491	3.10	3	<2	20	<0.5	<3	<3	76	0.24	0.068	3	105
0950S 0075E	Soil	3	405	8	64	<0.3	37	17	313	2.73	4	<2	18	<0.5	<3	<3	68	0.20	0.078	3	64
0950S 0100E	Soil	11	481	10	84	0.5	35	16	213	3.05	7	<2	14	<0.5	<3	<3	84	0.12	0.075	4	62
0950S 0125E	Soil	9	463	10	78	0.4	34	12	191	2.90	6	<2	13	<0.5	<3	<3	76	0.12	0.065	3	62
0950S 0150E	Soil	12	3270	11	132	0.9	49	40	694	3.46	10	<2	31	<0.5	<3	<3	92	0.52	0.091	11	88
0950S 0175E	Soil	12	5539	7	95	5.0	27	23	259	1.57	3	<2	37	<0.5	<3	<3	42	0.33	0.115	22	35
0950S 0250E	Soil	15	1048	10	124	0.3	41	16	304	3.43	9	<2	19	<0.5	<3	<3	88	0.21	0.035	6	90
0950S 0275E	Soil	11	601	9	93	0.3	39	14	473	2.87	6	<2	21	<0.5	<3	<3	71	0.22	0.039	5	79
0950S 0300E	Soil	14	485	9	141	0.7	38	14	283	3.52	7	<2	25	<0.5	<3	<3	94	0.23	0.044	5	83
0950S 0325E	Soil	13	381	12	132	1.9	49	14	341	3.32	10	<2	85	<0.5	<3	<3	77	0.52	0.041	8	81

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Project: Whipsaw
Report Date: November 01, 2014

CERTIFICATE OF ANALYSIS VAN14003306.1

Method		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ115
Analyte		Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Au
Unit		%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	ppb
MDL		0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.5
0900S 0050E	Soil	1.06	92	0.117	<20	3.27	<0.01	0.09	<2	<0.05	<1	6	7	10	23.1
0900S 0075E	Soil	0.56	47	0.080	<20	3.03	<0.01	0.04	<2	<0.05	<1	5	6	5	22.4
0900S 0100E	Soil	1.21	83	0.079	<20	1.98	<0.01	0.18	<2	<0.05	<1	<5	<5	7	26.4
0900S 0125E	Soil	1.74	199	0.166	<20	2.97	0.01	0.07	<2	<0.05	<1	<5	8	16	24.9
0900S 0150E	Soil	1.09	112	0.087	<20	2.23	<0.01	0.06	<2	<0.05	<1	<5	6	6	10.4
0900S 0175E	Soil	1.27	122	0.067	<20	2.08	<0.01	0.15	<2	<0.05	<1	5	6	6	13.8
0950S 0300W	Soil	0.61	89	0.118	<20	2.89	<0.01	0.07	<2	<0.05	<1	7	7	5	2.8
0950S 0275W	Soil	0.68	110	0.151	<20	3.15	0.01	0.12	<2	0.06	<1	<5	8	6	2.8
0950S 0250W	Soil	1.26	198	0.240	<20	3.42	0.01	0.34	<2	0.14	<1	<5	9	13	5.1
0950S 0225W	Soil	0.33	57	0.126	<20	2.50	0.01	0.06	<2	<0.05	<1	<5	8	<5	2.2
0950S 0200W	Soil	0.36	62	0.029	<20	2.15	<0.01	0.10	<2	0.06	<1	<5	5	<5	11.5
0950S 0175W	Soil	1.00	121	0.168	<20	3.27	<0.01	0.18	<2	<0.05	<1	6	9	11	7.3
0950S 0150W	Soil	0.67	87	0.164	<20	3.03	0.02	0.13	<2	0.07	<1	<5	10	7	5.7
0950S 0125W	Soil	1.00	102	0.148	<20	2.80	0.01	0.13	<2	<0.05	<1	<5	11	7	6.9
0950S 0100W	Soil	1.34	126	0.171	<20	3.15	0.02	0.30	<2	0.11	<1	<5	14	12	7.0
0950S 0075W	Soil	0.55	72	0.123	<20	2.66	0.01	0.06	<2	<0.05	<1	<5	9	5	2.9
0950S 0050W	Soil	1.65	221	0.141	<20	4.23	0.01	0.54	<2	0.07	<1	<5	13	18	9.3
0950S 0025W	Soil	0.47	81	0.086	<20	1.79	0.01	0.06	<2	<0.05	<1	<5	7	<5	5.1
0950S 0000E	Soil	1.23	71	0.068	<20	2.06	<0.01	0.06	<2	<0.05	<1	<5	<5	<5	3.8
0950S 0025E	Soil	0.80	86	0.082	<20	2.09	<0.01	0.05	<2	<0.05	<1	<5	6	<5	4.5
0950S 0050E	Soil	1.83	67	0.082	<20	2.28	<0.01	0.16	<2	<0.05	<1	<5	<5	<5	4.3
0950S 0075E	Soil	1.03	83	0.076	<20	2.29	<0.01	0.07	<2	<0.05	<1	<5	6	<5	3.2
0950S 0100E	Soil	1.00	103	0.093	<20	2.55	0.01	0.09	<2	<0.05	<1	<5	6	5	6.3
0950S 0125E	Soil	0.97	79	0.081	<20	2.09	<0.01	0.06	<2	<0.05	<1	<5	7	<5	9.3
0950S 0150E	Soil	1.57	136	0.085	<20	2.33	0.01	0.24	<2	<0.05	<1	<5	<5	7	10.5
0950S 0175E	Soil	0.61	239	0.074	<20	2.16	0.03	0.11	<2	0.07	<1	<5	<5	5	13.4
0950S 0250E	Soil	1.40	91	0.080	<20	2.13	<0.01	0.07	<2	<0.05	<1	<5	<5	6	8.9
0950S 0275E	Soil	1.26	98	0.060	<20	2.06	<0.01	0.07	<2	<0.05	<1	<5	<5	<5	6.0
0950S 0300E	Soil	1.17	113	0.083	<20	2.44	0.01	0.07	<2	<0.05	<1	<5	7	5	5.8
0950S 0325E	Soil	1.25	149	0.085	<20	2.70	0.01	0.08	<2	<0.05	<1	<5	<5	5	10.1

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CERTIFICATE OF ANALYSIS VAN14003306.1

	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
	MDL	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	1
0950S 0350E	Soil	13	1527	12	152	1.7	39	10	742	2.89	9	<2	118	0.6	<3	<3	59	1.00	0.067	22	41
0950S 0375E	Soil	23	638	12	95	1.2	62	11	535	3.17	6	<2	65	<0.5	<3	<3	65	0.65	0.053	23	70
0950S 0400E	Soil	117	2866	15	316	1.2	84	17	1791	4.27	15	<2	100	1.0	<3	<3	76	0.78	0.060	31	61
0950S 0475E	Soil	<1	107	14	109	0.4	44	7	357	2.65	5	<2	36	<0.5	<3	<3	56	0.31	0.025	11	31
0950S 0500E	Soil	<1	47	11	104	0.7	27	7	229	2.67	3	<2	27	<0.5	<3	<3	60	0.33	0.067	6	32
1000S 0300W	Soil	19	135	9	74	0.9	11	2	133	3.73	3	<2	13	<0.5	<3	<3	101	0.09	0.053	3	16
1000S 0275W	Soil	39	109	12	40	0.3	5	2	121	3.69	4	<2	15	<0.5	<3	<3	68	0.11	0.065	2	9
1000S 0250W	Soil	22	153	10	48	0.4	6	<1	161	4.65	3	<2	15	<0.5	<3	<3	160	0.09	0.063	2	8
1000S 0225W	Soil	21	220	6	48	1.4	5	4	148	5.75	8	<2	16	<0.5	<3	<3	160	0.08	0.073	4	7
1000S 0200W	Soil	39	273	5	63	0.7	8	6	237	5.97	8	<2	16	<0.5	<3	<3	180	0.08	0.072	6	13
1000S 0175W	Soil	44	845	4	64	0.6	16	9	201	5.82	14	<2	16	<0.5	<3	<3	170	0.09	0.080	7	35
1000S 0150W	Soil	42	1851	5	80	1.3	17	23	249	6.26	33	<2	10	<0.5	<3	<3	163	0.09	0.088	8	20
1000S 0125W	Soil	10	260	8	71	0.5	15	8	145	2.89	8	<2	10	<0.5	<3	<3	70	0.07	0.062	5	30
1000S 0100W	Soil	4	143	11	60	0.5	5	3	128	2.58	9	<2	8	<0.5	<3	<3	47	0.06	0.072	5	7
1000S 0075W	Soil	14	392	13	82	0.7	14	6	155	3.26	8	<2	11	<0.5	<3	<3	93	0.09	0.065	3	25
1000S 0050W	Soil	3	90	8	17	0.7	3	<1	43	1.56	2	<2	8	<0.5	<3	<3	37	0.06	0.062	2	6
1000S 0000E	Soil	4	197	9	44	0.3	29	10	188	2.53	5	<2	13	<0.5	<3	<3	60	0.13	0.063	2	63
1000S 0025E	Soil	5	887	9	62	0.3	34	22	402	2.82	5	<2	12	<0.5	<3	<3	68	0.11	0.090	3	67
1000S 0050E	Soil	4	151	6	50	0.4	26	9	219	2.45	4	<2	11	<0.5	<3	<3	60	0.09	0.066	3	56
1000S 0075E	Soil	2	105	6	50	<0.3	42	16	395	2.88	3	<2	14	<0.5	<3	<3	70	0.14	0.068	3	89
1000S 0100E	Soil	2	81	6	53	<0.3	39	14	308	2.86	3	<2	14	<0.5	<3	<3	72	0.16	0.051	3	79
1000S 0125E	Soil	3	138	6	61	<0.3	36	12	275	2.95	5	<2	16	<0.5	<3	<3	73	0.19	0.055	4	72
1000S 0150E	Soil	2	152	5	50	<0.3	38	19	535	3.06	4	<2	17	<0.5	<3	<3	74	0.27	0.067	4	77
1000S 0175E	Soil	3	265	6	64	<0.3	56	22	606	3.29	4	<2	21	<0.5	<3	<3	85	0.32	0.066	4	112
1000S 0200E	Soil	25	924	7	64	1.8	39	12	272	3.10	7	<2	12	<0.5	<3	<3	75	0.12	0.099	4	78
1000S 0225E	Soil	46	1626	5	46	1.0	24	85	913	1.52	7	<2	11	<0.5	<3	<3	36	0.14	0.114	5	36
1000S 0250E	Soil	45	5368	4	90	2.0	39	89	922	2.31	6	<2	23	<0.5	<3	<3	53	0.32	0.120	17	62
1000S 0275E	Soil	28	>10000	8	98	1.5	36	217	1925	1.30	3	<2	174	1.2	<3	<3	29	2.49	0.076	11	30
1000S 0300E	Soil	11	519	7	59	<0.3	37	14	510	2.76	6	<2	25	<0.5	<3	<3	67	0.31	0.026	5	74
1000S 0325E	Soil	14	776	9	142	0.6	46	14	401	3.41	6	<2	48	<0.5	<3	<3	92	0.44	0.030	11	102

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Project: Whipsaw
Report Date: November 01, 2014

CERTIFICATE OF ANALYSIS VAN14003306.1

Method		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ115
Analyte		Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Au
Unit		%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	ppb
MDL		0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.5
0950S 0350E	Soil	0.67	173	0.056	<20	2.48	0.02	0.04	<2	0.06	<1	<5	<5	<5	14.4
0950S 0375E	Soil	1.18	239	0.089	<20	2.86	0.02	0.11	<2	<0.05	<1	<5	<5	6	8.3
0950S 0400E	Soil	0.84	455	0.065	<20	3.15	0.02	0.13	<2	<0.05	<1	<5	<5	8	21.5
0950S 0475E	Soil	0.51	389	0.067	<20	2.08	0.02	0.05	<2	<0.05	<1	<5	<5	<5	4.3
0950S 0500E	Soil	0.50	165	0.072	<20	2.16	0.02	0.07	<2	<0.05	<1	<5	7	<5	3.0
1000S 0300W	Soil	0.50	84	0.162	<20	2.65	0.02	0.08	<2	<0.05	<1	<5	11	<5	3.6
1000S 0275W	Soil	0.34	47	0.093	<20	2.15	0.01	0.06	<2	<0.05	<1	<5	10	<5	4.1
1000S 0250W	Soil	0.97	134	0.211	<20	3.10	0.02	0.22	<2	0.06	<1	<5	15	9	3.2
1000S 0225W	Soil	0.81	121	0.163	<20	2.87	0.01	0.19	<2	0.06	<1	<5	<5	10	6.4
1000S 0200W	Soil	1.16	135	0.207	<20	3.42	0.01	0.20	<2	0.05	<1	<5	<5	13	2.0
1000S 0175W	Soil	1.39	162	0.169	<20	3.85	<0.01	0.31	<2	0.05	<1	<5	<5	15	14.3
1000S 0150W	Soil	0.88	86	0.112	<20	4.26	<0.01	0.12	<2	<0.05	<1	<5	<5	14	11.9
1000S 0125W	Soil	0.56	73	0.093	<20	2.62	0.01	0.04	<2	<0.05	<1	<5	<5	<5	15.2
1000S 0100W	Soil	0.16	61	0.038	<20	2.17	0.01	0.04	<2	<0.05	<1	<5	6	<5	2.5
1000S 0075W	Soil	0.69	78	0.135	<20	2.90	0.01	0.04	<2	<0.05	<1	<5	9	<5	6.4
1000S 0050W	Soil	0.10	30	0.090	<20	1.59	0.02	0.03	<2	<0.05	<1	<5	7	<5	0.7
1000S 0000E	Soil	0.94	47	0.067	<20	1.86	<0.01	0.06	<2	<0.05	<1	<5	<5	<5	3.3
1000S 0025E	Soil	1.00	55	0.075	<20	2.41	<0.01	0.06	<2	<0.05	<1	<5	<5	<5	4.8
1000S 0050E	Soil	0.81	79	0.066	<20	1.73	<0.01	0.04	<2	<0.05	<1	<5	7	<5	2.0
1000S 0075E	Soil	1.37	61	0.059	<20	2.14	<0.01	0.06	<2	<0.05	<1	<5	6	<5	<0.5
1000S 0100E	Soil	1.30	66	0.066	<20	2.16	<0.01	0.07	<2	<0.05	<1	<5	7	<5	4.0
1000S 0125E	Soil	1.12	92	0.072	<20	2.22	<0.01	0.07	<2	<0.05	<1	<5	8	<5	<0.5
1000S 0150E	Soil	1.44	100	0.071	<20	1.83	<0.01	0.22	<2	<0.05	<1	<5	5	5	21.9
1000S 0175E	Soil	1.88	111	0.075	<20	2.34	<0.01	0.21	<2	<0.05	<1	<5	7	6	4.4
1000S 0200E	Soil	1.26	66	0.064	<20	4.56	<0.01	0.23	<2	0.11	<1	<5	6	6	8.2
1000S 0225E	Soil	0.62	31	0.035	<20	7.41	0.01	0.13	<2	0.15	<1	<5	<5	<5	0.8
1000S 0250E	Soil	1.04	61	0.043	<20	5.59	0.01	0.19	<2	0.08	<1	<5	<5	<5	2.2
1000S 0275E	Soil	0.49	185	0.021	<20	1.18	0.01	0.09	4	0.12	<1	<5	<5	<5	3.8
1000S 0300E	Soil	1.21	101	0.058	<20	1.73	<0.01	0.06	<2	<0.05	<1	<5	<5	<5	12.0
1000S 0325E	Soil	1.40	178	0.095	<20	2.61	0.01	0.06	<2	<0.05	<1	<5	6	7	5.6

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Project: Whipsaw
Report Date: November 01, 2014

CERTIFICATE OF ANALYSIS VAN14003306.1

		Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
		MDL	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	1
1000S 0350E	Soil		10	374	9	107	1.2	46	10	474	2.97	6	<2	90	<0.5	<3	<3	63	0.65	0.040	9	62
1000S 0375E	Soil		9	577	11	119	0.7	42	14	638	3.17	7	<2	95	0.7	<3	<3	64	0.78	0.048	11	59
1000S 0400E	Soil		8	78	7	45	<0.3	33	13	364	2.66	13	<2	34	<0.5	<3	<3	55	0.33	0.057	7	64
1000S 0425E	Soil		25	475	7	308	<0.3	52	16	458	3.08	6	<2	33	<0.5	<3	<3	70	0.34	0.037	5	90
1000S 0450E	Soil		17	510	7	300	0.6	63	14	245	2.99	7	<2	27	<0.5	<3	<3	65	0.23	0.043	6	61
1000S 0475E	Soil		2	173	6	73	0.3	30	9	213	2.53	7	<2	28	<0.5	<3	<3	53	0.27	0.034	12	42
1000S 0500E	Soil		<1	28	8	52	0.4	16	6	121	2.22	9	<2	15	<0.5	<3	<3	45	0.13	0.078	4	25

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Project: Whipsaw
Report Date: November 01, 2014

CERTIFICATE OF ANALYSIS VAN14003306.1

	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ115
	Analyte	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Au
	Unit	%	ppm	%	ppm	%	%	%	ppm	%	ppb	ppm	ppm	ppm	ppb
	MDL	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.5
1000S 0350E	Soil	0.93	225	0.089	<20	2.71	0.02	0.06	<2	<0.05	<1	<5	<5	<5	2.6
1000S 0375E	Soil	0.98	198	0.065	<20	2.25	0.02	0.07	<2	<0.05	<1	<5	<5	5	3.3
1000S 0400E	Soil	1.16	103	0.038	<20	1.60	<0.01	0.07	<2	<0.05	<1	<5	<5	<5	6.1
1000S 0425E	Soil	1.56	90	0.063	<20	2.13	<0.01	0.06	<2	<0.05	<1	<5	5	<5	8.3
1000S 0450E	Soil	1.02	212	0.074	<20	2.58	0.01	0.08	<2	<0.05	<1	<5	6	<5	<0.5
1000S 0475E	Soil	0.66	204	0.035	<20	1.89	0.01	0.06	<2	<0.05	<1	<5	<5	<5	1.6
1000S 0500E	Soil	0.36	112	0.034	<20	1.68	0.01	0.05	<2	<0.05	<1	<5	6	<5	<0.5

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Project: Whipsaw
Report Date: November 01, 2014

QUALITY CONTROL REPORT VAN14003306.1

		Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
		MDL	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	1
Pulp Duplicates																						
0850S 0050E	Soil		8	277	8	82	0.5	19	10	216	2.61	7	<2	9	<0.5	<3	<3	60	0.12	0.049	4	37
REP 0850S 0050E	QC																					
0850S 0075E	Soil		6	375	<3	120	1.2	31	11	316	2.87	8	<2	22	<0.5	<3	<3	65	0.33	0.036	11	51
REP 0850S 0075E	QC		6	373	<3	121	1.3	31	11	315	2.90	11	<2	22	<0.5	<3	<3	66	0.33	0.037	11	52
0900S 0150E	Soil		10	719	4	150	0.9	33	14	210	3.23	11	<2	17	<0.5	<3	<3	99	0.26	0.045	4	70
REP 0900S 0150E	QC		11	745	<3	155	1.0	34	14	218	3.31	13	<2	17	<0.5	<3	<3	103	0.26	0.046	5	74
1000S 0150W	Soil		42	1851	5	80	1.3	17	23	249	6.26	33	<2	10	<0.5	<3	<3	163	0.09	0.088	8	20
REP 1000S 0150W	QC																					
1000S 0125W	Soil		10	260	8	71	0.5	15	8	145	2.89	8	<2	10	<0.5	<3	<3	70	0.07	0.062	5	30
REP 1000S 0125W	QC		9	261	8	71	0.5	15	8	147	2.96	8	<2	10	<0.5	<3	<3	71	0.07	0.061	5	29
1000S 0500E	Soil		<1	28	8	52	0.4	16	6	121	2.22	9	<2	15	<0.5	<3	<3	45	0.13	0.078	4	25
REP 1000S 0500E	QC		<1	28	5	52	0.4	15	6	120	2.26	10	<2	15	<0.5	<3	<3	47	0.13	0.075	4	25
Reference Materials																						
STD DS10	Standard		12	147	153	354	1.9	72	11	871	2.62	44	5	60	2.2	9	7	42	0.98	0.073	15	52
STD DS10	Standard		10	146	138	349	1.8	71	11	860	2.58	43	5	58	2.4	7	10	40	0.97	0.074	13	50
STD DS10	Standard		13	153	145	371	1.8	73	10	854	2.65	45	5	65	2.1	8	12	42	1.02	0.074	15	51
STD DS10	Standard		14	151	152	370	1.8	72	10	847	2.64	44	5	67	2.2	8	11	42	1.02	0.071	15	50
STD DS10	Standard		14	156	153	380	1.8	72	11	896	2.77	47	5	67	2.4	9	10	42	1.07	0.075	15	52
STD OREAS45EA	Standard		2	677	8	28	0.5	369	45	388	22.76	13	9	3	<0.5	<3	<3	299	0.03	0.029	7	838
STD OREAS45EA	Standard		1	664	6	28	0.3	356	43	387	22.81	9	8	3	<0.5	<3	<3	289	0.03	0.028	7	826
STD OREAS45EA	Standard		2	713	16	32	<0.3	386	47	412	22.86	13	5	4	<0.5	<3	<3	300	0.03	0.029	7	871
STD OREAS45EA	Standard		2	706	15	31	<0.3	393	47	407	23.30	14	5	4	<0.5	<3	<3	298	0.03	0.029	7	856
STD OREAS45EA	Standard		2	703	16	33	<0.3	395	48	411	22.78	12	8	4	<0.5	<3	<3	312	0.03	0.029	8	888
STD OREAS901	Standard																					
STD OREAS901	Standard																					
STD OREAS901	Standard																					
STD OREAS901	Standard																					
STD OREAS901 Expected																						

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Project: Whipsaw
Report Date: November 01, 2014

QUALITY CONTROL REPORT VAN14003306.1

	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ115
	Analyte	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Au
	Unit	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	ppb
	MDL	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.5
Pulp Duplicates															
0850S 0050E	Soil	0.57	99	0.055	<20	1.85	<0.01	0.04	<2	<0.05	<1	<5	7	<5	7.2
REP 0850S 0050E	QC														6.9
0850S 0075E	Soil	0.76	225	0.067	<20	2.35	<0.01	0.05	<2	<0.05	<1	<5	6	<5	11.7
REP 0850S 0075E	QC	0.75	224	0.067	<20	2.34	<0.01	0.05	<2	<0.05	<1	<5	7	<5	
0900S 0150E	Soil	1.09	112	0.087	<20	2.23	<0.01	0.06	<2	<0.05	<1	<5	6	6	10.4
REP 0900S 0150E	QC	1.14	117	0.094	<20	2.37	<0.01	0.06	<2	<0.05	<1	6	6	6	6.9
1000S 0150W	Soil	0.88	86	0.112	<20	4.26	<0.01	0.12	<2	<0.05	<1	<5	<5	14	11.9
REP 1000S 0150W	QC														11.3
1000S 0125W	Soil	0.56	73	0.093	<20	2.62	0.01	0.04	<2	<0.05	<1	<5	<5	<5	15.2
REP 1000S 0125W	QC	0.56	73	0.094	<20	2.58	0.01	0.04	<2	<0.05	<1	<5	<5	<5	
1000S 0500E	Soil	0.36	112	0.034	<20	1.68	0.01	0.05	<2	<0.05	<1	<5	6	<5	<0.5
REP 1000S 0500E	QC	0.36	108	0.037	<20	1.65	0.01	0.05	<2	<0.05	<1	<5	6	<5	<0.5
Reference Materials															
STD DS10	Standard	0.73	403	0.068	<20	0.96	0.06	0.32	<2	0.28	<1	7	<5	<5	
STD DS10	Standard	0.72	387	0.062	<20	0.91	0.06	0.31	3	0.26	<1	7	<5	<5	
STD DS10	Standard	0.74	416	0.069	<20	0.97	0.06	0.32	3	0.28	<1	<5	<5	<5	
STD DS10	Standard	0.75	411	0.073	<20	1.00	0.07	0.32	2	0.28	<1	<5	<5	<5	
STD DS10	Standard	0.78	426	0.077	<20	1.01	0.07	0.33	3	0.29	<1	<5	<5	<5	
STD OREAS45EA	Standard	0.09	134	0.089	<20	2.90	0.02	0.05	<2	<0.05	<1	<5	<5	78	
STD OREAS45EA	Standard	0.08	131	0.089	<20	2.84	0.02	0.05	<2	<0.05	<1	<5	<5	78	
STD OREAS45EA	Standard	0.09	140	0.095	<20	3.14	0.02	0.05	<2	<0.05	<1	<5	15	83	
STD OREAS45EA	Standard	0.09	144	0.096	<20	3.09	0.02	0.05	<2	<0.05	<1	<5	<5	81	
STD OREAS45EA	Standard	0.08	155	0.102	<20	3.22	0.02	0.06	<2	<0.05	<1	<5	9	85	
STD OREAS901	Standard														394.6
STD OREAS901	Standard														358.3
STD OREAS901	Standard														363.7
STD OREAS901	Standard														392.8
STD OREAS901 Expected															363

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Project: Whipsaw

Report Date: November 01, 2014

QUALITY CONTROL REPORT VAN14003306.1

		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
		1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	1
STD DS10 Expected		14.69	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	43.7	7.5	67.1	2.49	8.23	11.65	43	1.0625	0.073	17.5	54.6
STD OREAS45EA Expected		1.39	709	14.3	28.9	0.26	381	52	400	23.51	9	10.7	3.5				303	0.036	0.029	6.57	849
BLK	Blank	<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1	<1
BLK	Blank	<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1	<1
BLK	Blank	<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1	<1
BLK	Blank	<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1	<1
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1	<1

Client: **Martech Industries Inc.**
1329 - 510 West Hastings Street
Vancouver BC V6B 1L8 CANADA

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Project: Whipsaw
Report Date: November 01, 2014

QUALITY CONTROL REPORT VAN14003306.1

		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ115
		Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Au
		%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	ppb
		0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.5
STD DS10 Expected		0.775	359	0.0817		1.0259	0.067	0.338	3.32	0.29	0.3	5.1	4.3	2.8	
STD OREAS45EA Expected		0.095	148	0.0875		3.13	0.02	0.053		0.036			11.7	78	
BLK	Blank	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5	
BLK	Blank	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5	
BLK	Blank	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5	
BLK	Blank	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5	
BLK	Blank														<0.5
BLK	Blank														<0.5
BLK	Blank														<0.5
BLK	Blank														<0.5
BLK	Blank	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5	

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Client: **Martech Industries Inc.**
2680 Cambridge St.
Vancouver BC V5K 1L5 CANADA

Submitted By: Charles Martin
Receiving Lab: Canada-Vancouver
Received: November 03, 2014
Report Date: February 11, 2016
Page: 1 of 9

CERTIFICATE OF ANALYSIS VAN14003580.2

CLIENT JOB INFORMATION

Project: Whipsaw
Shipment ID:
P.O. Number
Number of Samples: 225

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Bureau Veritas 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

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	225	Dry at 60C			VAN
SS80	225	Dry at 60C sieve 100g to -80 mesh			VAN
AQ300	225	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
DRPLP	225	Warehouse handling / disposition of pulps			VAN
AQ115	225	Acid digest, Au by ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Version 2 : AQ115 included.

Invoice To: Martech Industries Inc.
2680 Cambridge St.
Vancouver BC V5K 1L5
CANADA

CC: Jim Chapman

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory 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. Bureau Veritas 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: **Martech Industries Inc.**
2680 Cambridge St.
Vancouver BC V5K 1L5 CANADA

Project: Whipsaw
Report Date: February 11, 2016

CERTIFICATE OF ANALYSIS VAN14003580.2

		Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
		MDL	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	1
L400N 500W	Soil		13	306	<3	38	<0.3	21	8	149	1.52	<2	<2	37	<0.5	<3	<3	39	0.40	0.076	6	46
L400N 475W	Soil		7	137	<3	32	<0.3	17	5	115	1.34	2	<2	20	<0.5	<3	<3	56	0.18	0.029	2	42
L400N 450W	Soil		6	156	4	28	<0.3	16	5	102	1.72	<2	<2	13	<0.5	<3	<3	56	0.09	0.035	3	45
L400N 425W	Soil		4	60	4	29	0.6	13	4	88	2.28	2	<2	9	<0.5	<3	<3	58	0.09	0.046	2	34
L400N 400W	Soil		6	109	4	34	<0.3	16	6	111	2.68	3	<2	9	<0.5	<3	<3	66	0.09	0.050	3	44
L400N 350W	Soil		7	130	6	41	0.4	20	7	131	2.25	2	<2	15	<0.5	<3	<3	57	0.16	0.048	3	43
L400N 325W	Soil		6	188	<3	58	0.6	23	9	322	2.08	<2	<2	31	<0.5	<3	<3	55	0.46	0.064	3	43
L400N 300W	Soil		15	281	4	69	0.3	29	13	290	3.11	3	<2	33	<0.5	<3	3	79	0.26	0.067	3	66
L400N 275W	Soil		17	350	<3	85	<0.3	36	16	303	3.55	3	<2	27	<0.5	<3	<3	92	0.20	0.066	3	83
L400N 250W	Soil		7	137	3	39	<0.3	15	7	122	2.50	2	<2	12	<0.5	<3	<3	64	0.11	0.062	3	37
L400N 225W	Soil		8	220	<3	53	<0.3	17	7	161	2.90	3	<2	9	<0.5	<3	<3	72	0.09	0.087	3	38
L400N 200W	Soil		6	284	<3	75	<0.3	28	16	311	3.04	3	<2	11	<0.5	<3	<3	79	0.10	0.069	3	60
L400N 175W	Soil		6	238	4	60	0.3	25	11	278	2.83	2	<2	12	<0.5	<3	<3	75	0.13	0.065	3	55
L400N 150W	Soil		5	306	<3	52	0.4	23	11	191	2.86	2	<2	15	<0.5	<3	<3	76	0.09	0.066	3	53
L400N 125W	Soil		8	224	5	51	0.4	21	10	177	3.04	3	<2	12	<0.5	<3	<3	85	0.08	0.061	3	49
L400N 100W	Soil		9	199	<3	49	0.3	23	10	174	2.96	2	<2	10	<0.5	<3	<3	80	0.09	0.063	3	53
L400N 075W	Soil		31	493	<3	76	<0.3	30	15	321	4.12	3	<2	36	<0.5	<3	<3	126	0.22	0.075	4	68
L400N 050W	Soil		7	128	<3	48	0.4	21	8	141	2.70	2	<2	11	<0.5	<3	<3	71	0.08	0.077	3	55
L400N 025W	Soil		18	250	<3	56	<0.3	19	9	153	3.56	3	<2	22	<0.5	<3	<3	117	0.11	0.077	3	43
L400N 000W	Soil		13	329	4	72	0.3	30	18	253	3.98	2	<2	15	<0.5	<3	<3	112	0.13	0.070	3	62
L350N 500W	Soil		31	342	3	61	0.3	30	16	358	4.26	15	<2	19	<0.5	<3	<3	86	0.15	0.103	7	65
L350N 475W	Soil		4	530	<3	62	<0.3	15	7	14	0.18	<2	<2	27	<0.5	<3	<3	2	0.22	0.026	3	2
L350N 375W	Soil		13	285	<3	55	<0.3	33	11	189	2.27	3	<2	26	<0.5	<3	<3	84	0.22	0.027	4	72
L350N 350W	Soil		11	300	3	50	<0.3	26	9	172	2.23	3	<2	18	<0.5	<3	<3	71	0.18	0.039	4	53
L350N 325W	Soil		11	312	<3	54	<0.3	31	12	171	3.65	5	<2	12	<0.5	<3	<3	82	0.10	0.051	4	69
L350N 300W	Soil		12	265	<3	71	0.4	29	13	328	3.26	4	<2	29	<0.5	<3	3	82	0.23	0.075	3	64
L350N 275W	Soil		12	283	3	70	0.4	31	13	263	3.53	3	<2	24	<0.5	<3	<3	89	0.16	0.067	4	73
L350N 250W	Soil		13	293	4	72	<0.3	30	13	294	3.54	4	<2	30	<0.5	<3	<3	88	0.20	0.067	3	72
L350N 225W	Soil		6	127	<3	50	<0.3	25	10	203	3.05	2	<2	12	<0.5	<3	4	77	0.09	0.059	3	54
L350N 200W	Soil		6	142	<3	52	<0.3	19	8	175	2.93	3	2	12	<0.5	<3	<3	72	0.09	0.063	3	41

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PHONE (604) 253-3158

Client: **Martech Industries Inc.**
2680 Cambridge St.
Vancouver BC V5K 1L5 CANADA

Project: Whipsaw
Report Date: February 11, 2016

CERTIFICATE OF ANALYSIS VAN14003580.2

Method		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ115
Analyte		Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Au
Unit		%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	ppb
MDL		0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.5
L400N 500W	Soil	0.84	142	0.043	<20	1.61	0.01	0.12	<2	0.23	<1	<5	<5	<5	1.7
L400N 475W	Soil	0.65	66	0.054	<20	1.37	<0.01	0.03	<2	0.06	<1	<5	<5	<5	1.3
L400N 450W	Soil	0.61	85	0.096	<20	1.76	<0.01	0.03	<2	<0.05	<1	<5	7	<5	<0.5
L400N 425W	Soil	0.40	36	0.089	<20	1.46	<0.01	0.02	<2	<0.05	<1	<5	6	<5	<0.5
L400N 400W	Soil	0.52	50	0.094	<20	2.46	<0.01	0.03	<2	<0.05	<1	<5	8	<5	3.7
L400N 350W	Soil	0.62	58	0.074	<20	1.93	<0.01	0.05	<2	<0.05	<1	<5	<5	<5	<0.5
L400N 325W	Soil	0.72	98	0.083	<20	1.63	0.02	0.12	<2	<0.05	<1	<5	5	<5	<0.5
L400N 300W	Soil	0.93	114	0.095	<20	2.19	0.01	0.17	<2	0.07	<1	<5	5	<5	1.1
L400N 275W	Soil	1.18	204	0.124	<20	2.74	0.01	0.33	<2	0.10	<1	<5	<5	6	1.2
L400N 250W	Soil	0.49	74	0.086	<20	1.92	<0.01	0.05	<2	<0.05	<1	<5	<5	<5	0.6
L400N 225W	Soil	0.62	59	0.119	<20	2.38	<0.01	0.05	<2	<0.05	<1	<5	6	<5	2.0
L400N 200W	Soil	0.91	69	0.113	<20	2.51	<0.01	0.05	<2	<0.05	<1	<5	<5	<5	<0.5
L400N 175W	Soil	0.78	62	0.107	<20	2.26	<0.01	0.05	<2	<0.05	<1	<5	5	<5	0.6
L400N 150W	Soil	0.72	74	0.105	<20	2.37	<0.01	0.05	<2	<0.05	<1	<5	6	<5	1.4
L400N 125W	Soil	0.70	66	0.123	<20	2.43	<0.01	0.05	<2	<0.05	<1	<5	<5	<5	1.8
L400N 100W	Soil	0.73	55	0.118	<20	2.72	<0.01	0.04	<2	<0.05	<1	<5	<5	<5	<0.5
L400N 075W	Soil	1.46	133	0.161	<20	2.71	<0.01	0.33	<2	0.15	<1	<5	<5	9	<0.5
L400N 050W	Soil	0.65	58	0.105	<20	2.33	<0.01	0.04	<2	<0.05	<1	<5	5	<5	0.8
L400N 025W	Soil	0.78	131	0.145	<20	2.74	<0.01	0.11	<2	0.10	<1	<5	5	6	<0.5
L400N 000W	Soil	0.98	83	0.109	<20	3.03	<0.01	0.08	<2	<0.05	<1	<5	6	6	<0.5
L350N 500W	Soil	1.18	134	0.097	<20	2.54	<0.01	0.16	<2	0.09	<1	<5	<5	6	1.3
L350N 475W	Soil	0.03	65	0.005	<20	0.46	<0.01	0.01	<2	0.55	<1	<5	<5	<5	<0.5
L350N 375W	Soil	1.09	142	0.088	<20	2.22	<0.01	0.03	<2	0.10	<1	<5	<5	<5	1.3
L350N 350W	Soil	0.92	85	0.098	<20	2.39	0.01	0.04	<2	<0.05	<1	<5	5	<5	1.2
L350N 325W	Soil	0.97	64	0.088	<20	3.37	<0.01	0.06	<2	<0.05	<1	<5	7	5	1.0
L350N 300W	Soil	0.99	129	0.103	<20	2.42	0.01	0.18	<2	0.06	<1	<5	<5	5	1.5
L350N 275W	Soil	1.10	123	0.108	<20	2.50	<0.01	0.18	<2	0.07	<1	<5	<5	6	2.4
L350N 250W	Soil	1.10	135	0.107	<20	2.38	<0.01	0.22	<2	0.08	<1	<5	<5	6	1.3
L350N 225W	Soil	0.93	78	0.111	<20	2.46	<0.01	0.06	<2	<0.05	<1	<5	<5	<5	<0.5
L350N 200W	Soil	0.68	70	0.125	<20	2.64	<0.01	0.05	<2	<0.05	<1	<5	<5	<5	<0.5

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Client: **Martech Industries Inc.**
2680 Cambridge St.
Vancouver BC V5K 1L5 CANADA

Project: Whipsaw
Report Date: February 11, 2016

CERTIFICATE OF ANALYSIS VAN14003580.2

	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
	MDL	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	1
L350N 175W	Soil	8	249	3	52	0.4	20	9	148	2.94	3	<2	13	<0.5	<3	<3	78	0.08	0.061	3	44
L350N 150W	Soil	11	275	6	58	0.3	26	12	213	3.36	4	2	15	<0.5	<3	<3	89	0.09	0.074	3	58
L350N 125W	Soil	17	172	<3	55	0.4	19	8	196	3.78	3	2	15	<0.5	<3	<3	105	0.09	0.058	3	44
L350N 100W	Soil	8	98	<3	42	0.3	13	6	234	2.82	2	<2	14	<0.5	<3	<3	75	0.14	0.068	2	32
L350N 075W	Soil	23	360	<3	67	<0.3	28	14	316	3.87	2	<2	38	<0.5	<3	<3	121	0.23	0.074	4	63
L350N 050W	Soil	24	227	4	53	0.3	22	9	173	3.57	<2	2	20	<0.5	<3	<3	114	0.09	0.041	3	52
L350N 025W	Soil	29	178	<3	56	<0.3	15	8	199	3.91	4	3	20	<0.5	<3	<3	125	0.13	0.059	3	36
L350N 000W	Soil	23	177	<3	55	<0.3	21	8	201	3.42	3	<2	14	<0.5	<3	<3	103	0.11	0.059	3	54
L300N 500W	Soil	14	181	<3	55	<0.3	22	8	168	3.42	9	<2	11	<0.5	<3	<3	74	0.08	0.099	5	50
L300N 475W	Soil	13	334	<3	34	<0.3	11	7	158	2.12	<2	<2	10	<0.5	<3	<3	49	0.08	0.033	10	25
L300N 450W	Soil	3	356	<3	17	<0.3	5	3	10	0.06	<2	<2	29	<0.5	<3	<3	11	0.28	0.058	7	2
L300N 300W	Soil	42	203	3	41	0.5	10	4	131	4.26	3	<2	33	<0.5	<3	<3	115	0.08	0.070	3	28
L300N 275W	Soil	29	190	4	40	<0.3	18	6	106	2.91	3	<2	16	<0.5	<3	<3	61	0.19	0.054	7	42
L300N 250W	Soil	8	732	4	73	<0.3	27	11	269	3.02	<2	<2	21	<0.5	<3	<3	76	0.18	0.029	4	54
L300N 225W	Soil	13	195	5	53	<0.3	24	11	228	3.45	3	2	17	<0.5	<3	<3	88	0.09	0.080	3	53
L300N 200W	Soil	17	276	<3	64	<0.3	30	13	216	3.84	4	2	22	<0.5	<3	<3	100	0.12	0.088	3	63
L300N 175W	Soil	10	217	7	46	0.4	18	9	236	3.14	3	<2	14	<0.5	<3	<3	83	0.09	0.078	3	41
L300N 150W	Soil	15	238	<3	64	<0.3	26	12	199	3.89	2	<2	17	<0.5	<3	<3	101	0.09	0.065	3	56
L300N 125W	Soil	8	299	<3	73	<0.3	33	17	235	3.26	3	<2	20	<0.5	<3	<3	84	0.17	0.071	4	65
L300N 100W	Soil	11	207	4	63	<0.3	27	13	267	3.39	3	<2	26	<0.5	<3	<3	90	0.18	0.080	3	59
L300N 075W	Soil	13	242	5	61	<0.3	25	12	272	3.29	3	<2	27	<0.5	<3	<3	89	0.17	0.069	3	56
L300N 050W	Soil	41	383	3	73	0.5	29	13	276	5.24	4	3	76	<0.5	<3	<3	147	0.19	0.075	5	69
L300N 025W	Soil	26	305	4	61	0.3	25	11	260	4.34	3	<2	36	<0.5	<3	<3	132	0.17	0.066	4	60
L300N 000W	Soil	22	202	5	55	0.4	30	12	192	4.16	3	<2	22	<0.5	<3	<3	113	0.14	0.062	3	72
L250N 500W	Soil	16	223	5	35	0.3	13	6	144	2.93	2	<2	15	<0.5	<3	<3	62	0.08	0.059	8	32
L250N 475W	Soil	16	174	5	32	<0.3	16	6	132	3.22	3	<2	14	<0.5	<3	<3	70	0.06	0.069	7	42
L250N 450W	Soil	7	90	6	29	<0.3	11	4	109	3.14	14	<2	13	<0.5	<3	<3	66	0.07	0.074	5	27
L250N 425W	Soil	9	195	5	14	0.5	6	3	58	1.45	<2	<2	10	<0.5	<3	<3	29	0.05	0.035	6	15
L250N 400W	Soil	2	139	<3	13	<0.3	2	<1	9	0.06	<2	<2	16	<0.5	<3	<3	6	0.12	0.065	3	2
L250N 250W	Soil	1	219	5	15	<0.3	2	4	20	0.28	<2	<2	18	<0.5	<3	<3	9	0.19	0.045	2	4

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Project: Whipsaw
Report Date: February 11, 2016

CERTIFICATE OF ANALYSIS VAN14003580.2

Method		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ115
Analyte		Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Au
Unit		%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	ppb
MDL		0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.5
L350N 175W	Soil	0.68	73	0.119	<20	2.47	<0.01	0.05	<2	<0.05	<1	<5	6	<5	1.0
L350N 150W	Soil	0.89	77	0.115	<20	2.63	<0.01	0.05	<2	<0.05	<1	<5	<5	<5	0.5
L350N 125W	Soil	0.72	82	0.150	<20	2.57	<0.01	0.06	<2	<0.05	<1	<5	<5	<5	<0.5
L350N 100W	Soil	0.47	59	0.110	<20	1.93	<0.01	0.04	<2	<0.05	<1	<5	<5	<5	<0.5
L350N 075W	Soil	1.35	132	0.163	<20	2.57	0.01	0.34	<2	0.17	<1	<5	<5	8	0.5
L350N 050W	Soil	1.13	100	0.157	<20	2.40	<0.01	0.13	<2	0.12	<1	<5	<5	6	0.6
L350N 025W	Soil	0.94	111	0.181	<20	2.75	<0.01	0.12	<2	<0.05	<1	<5	<5	7	<0.5
L350N 000W	Soil	0.83	75	0.162	<20	2.90	<0.01	0.06	<2	<0.05	<1	<5	<5	6	<0.5
L300N 500W	Soil	0.76	84	0.086	<20	2.90	<0.01	0.05	<2	<0.05	<1	<5	6	<5	<0.5
L300N 475W	Soil	0.63	48	0.066	<20	1.76	0.01	0.04	<2	<0.05	1	<5	7	<5	<0.5
L300N 450W	Soil	0.03	49	0.015	<20	0.92	0.01	0.01	<2	0.87	<1	<5	<5	<5	<0.5
L300N 300W	Soil	0.85	154	0.151	<20	2.21	0.01	0.18	<2	0.20	<1	<5	6	8	1.1
L300N 275W	Soil	0.62	36	0.096	<20	2.64	<0.01	0.04	<2	0.07	<1	<5	7	<5	0.5
L300N 250W	Soil	1.16	87	0.116	<20	1.91	<0.01	0.11	<2	<0.05	<1	<5	<5	<5	<0.5
L300N 225W	Soil	0.87	90	0.111	<20	2.60	<0.01	0.05	<2	<0.05	<1	<5	<5	<5	<0.5
L300N 200W	Soil	1.13	97	0.123	<20	2.50	<0.01	0.06	<2	<0.05	<1	<5	<5	6	<0.5
L300N 175W	Soil	0.64	77	0.115	<20	2.32	<0.01	0.05	<2	<0.05	<1	<5	<5	<5	<0.5
L300N 150W	Soil	0.93	82	0.136	<20	2.69	<0.01	0.06	<2	<0.05	1	<5	<5	5	1.3
L300N 125W	Soil	0.95	92	0.109	<20	2.72	<0.01	0.07	<2	<0.05	<1	<5	<5	<5	<0.5
L300N 100W	Soil	0.90	114	0.113	<20	2.48	<0.01	0.09	<2	0.06	<1	<5	<5	<5	<0.5
L300N 075W	Soil	0.90	108	0.118	<20	2.28	<0.01	0.12	<2	0.08	<1	<5	<5	<5	<0.5
L300N 050W	Soil	1.57	171	0.205	<20	3.35	0.02	0.40	<2	0.25	<1	<5	<5	11	3.2
L300N 025W	Soil	1.42	141	0.191	<20	2.80	0.02	0.38	<2	0.19	<1	<5	<5	9	1.4
L300N 000W	Soil	1.02	110	0.149	<20	2.79	<0.01	0.07	<2	<0.05	<1	<5	<5	6	<0.5
L250N 500W	Soil	0.60	112	0.124	<20	1.81	0.01	0.06	<2	0.05	<1	<5	6	<5	<0.5
L250N 475W	Soil	0.63	78	0.105	<20	2.34	<0.01	0.06	<2	0.06	<1	<5	6	<5	<0.5
L250N 450W	Soil	0.43	86	0.101	<20	1.72	<0.01	0.05	<2	<0.05	<1	<5	6	<5	0.8
L250N 425W	Soil	0.23	37	0.060	<20	1.11	0.01	0.03	<2	<0.05	<1	<5	<5	<5	1.0
L250N 400W	Soil	0.02	29	0.012	<20	0.74	0.03	0.04	<2	0.30	<1	<5	<5	<5	<0.5
L250N 250W	Soil	0.04	17	0.098	<20	0.87	0.03	0.01	<2	0.38	<1	<5	<5	<5	<0.5

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Project: Whipsaw
Report Date: February 11, 2016

CERTIFICATE OF ANALYSIS VAN14003580.2

	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
	MDL	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	1
L250N 200W	Soil	13	538	4	24	0.4	10	3	97	2.42	<2	<2	17	<0.5	<3	<3	56	0.06	0.039	5	27
L250N 175W	Soil	26	266	3	51	<0.3	26	10	181	3.75	2	<2	30	<0.5	<3	<3	99	0.09	0.063	5	59
L250N 150W	Soil	24	218	4	54	0.3	19	7	195	4.36	3	<2	63	<0.5	<3	<3	135	0.16	0.077	6	46
L250N 125W	Soil	29	305	7	60	0.6	22	11	185	4.28	<2	<2	42	<0.5	<3	<3	125	0.15	0.062	5	45
L250N 100W	Soil	27	235	6	51	0.7	20	8	155	4.15	<2	<2	38	<0.5	<3	<3	112	0.10	0.074	5	44
L250N 075W	Soil	28	159	4	52	<0.3	16	6	205	4.26	2	<2	29	<0.5	<3	<3	117	0.13	0.069	3	40
L250N 050W	Soil	25	286	6	58	<0.3	25	10	204	4.94	3	<2	52	<0.5	<3	<3	143	0.16	0.066	4	62
L250N 025W	Soil	8	252	<3	64	<0.3	34	17	272	3.51	2	<2	28	<0.5	<3	<3	93	0.15	0.077	4	71
L250N 000W	Soil	8	113	5	42	<0.3	15	7	147	3.37	<2	<2	18	<0.5	<3	<3	91	0.12	0.060	3	38
L200N 500W	Soil	21	118	5	36	<0.3	18	6	141	3.74	5	2	26	<0.5	<3	<3	79	0.07	0.113	7	41
L200N 475W	Soil	19	147	6	32	0.6	18	6	163	3.70	4	<2	19	<0.5	<3	<3	81	0.09	0.059	6	48
L200N 450W	Soil	29	577	4	35	0.5	15	6	127	3.52	6	<2	26	<0.5	<3	<3	64	0.09	0.049	10	38
L200N 425W	Soil	32	525	5	23	0.5	10	4	89	3.09	10	<2	17	<0.5	<3	<3	53	0.05	0.087	5	25
L200N 400W	Soil	6	762	3	18	0.7	4	3	52	1.69	2	<2	7	<0.5	<3	<3	33	0.04	0.080	4	11
L200N 375W	Soil	102	691	7	37	<0.3	23	10	187	6.43	10	<2	37	<0.5	<3	<3	100	0.06	0.113	8	57
L200N 350W	Soil	6	548	<3	21	<0.3	4	3	65	2.13	3	<2	12	<0.5	<3	<3	44	0.04	0.023	3	11
L200N 325W	Soil	10	946	3	31	<0.3	4	9	87	1.37	2	<2	13	<0.5	<3	<3	47	0.14	0.066	5	6
L200N 175W	Soil	7	73	3	35	<0.3	2	2	117	1.53	<2	<2	18	<0.5	<3	<3	53	0.18	0.019	2	6
L200N 125W	Soil	35	178	<3	52	0.7	14	7	158	4.61	2	<2	30	<0.5	<3	<3	141	0.08	0.062	4	34
L200N 100W	Soil	31	131	<3	43	0.4	11	6	104	3.96	2	<2	18	<0.5	<3	<3	111	0.09	0.057	3	26
L200N 075W	Soil	26	219	<3	52	0.5	18	9	157	4.46	3	<2	32	<0.5	<3	<3	140	0.11	0.080	4	42
L200N 050W	Soil	22	261	4	61	0.5	21	8	183	5.47	3	<2	48	<0.5	<3	<3	168	0.14	0.069	4	58
L200N 025W	Soil	18	186	<3	56	<0.3	24	10	219	4.36	3	<2	50	<0.5	<3	<3	136	0.17	0.057	4	61
L200N 000W	Soil	24	240	<3	58	0.5	21	9	206	5.51	5	<2	30	<0.5	<3	<3	164	0.14	0.079	3	59
L150N 500W	Soil	47	556	4	38	1.2	18	9	170	3.79	25	<2	26	<0.5	<3	<3	70	0.07	0.064	16	44
L150N 475W	Soil	38	697	<3	35	1.2	21	8	171	3.33	17	<2	27	<0.5	<3	<3	67	0.08	0.096	9	49
L150N 450W	Soil	29	137	3	27	0.8	14	5	122	3.36	5	<2	36	<0.5	<3	<3	63	0.05	0.102	7	36
L150N 425W	Soil	11	789	<3	22	0.5	8	4	76	2.49	3	<2	13	<0.5	<3	<3	47	0.05	0.107	5	21
L150N 400W	Soil	19	925	<3	21	0.7	8	4	78	2.77	4	<2	16	<0.5	<3	<3	48	0.04	0.130	7	21
L150N 375W	Soil	33	1528	<3	37	0.3	18	6	157	4.57	7	<2	46	<0.5	<3	<3	79	0.08	0.065	11	57

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Project: Whipsaw
Report Date: February 11, 2016

CERTIFICATE OF ANALYSIS VAN14003580.2

Method		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ115
Analyte		Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Au
Unit		%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	ppb
MDL		0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.5
L250N 200W	Soil	0.37	42	0.104	<20	2.48	<0.01	0.04	<2	0.07	<1	<5	7	<5	<0.5
L250N 175W	Soil	1.01	121	0.126	<20	2.67	<0.01	0.11	<2	0.05	<1	<5	<5	6	<0.5
L250N 150W	Soil	1.10	198	0.179	<20	3.43	0.01	0.17	<2	0.21	<1	<5	<5	10	<0.5
L250N 125W	Soil	1.25	155	0.152	<20	3.52	0.01	0.15	<2	0.12	<1	<5	6	9	<0.5
L250N 100W	Soil	0.83	124	0.152	<20	3.06	0.01	0.11	<2	0.10	<1	<5	6	6	0.6
L250N 075W	Soil	0.88	99	0.156	<20	2.55	0.01	0.08	<2	0.05	<1	<5	<5	6	<0.5
L250N 050W	Soil	1.25	149	0.173	<20	3.06	0.01	0.12	<2	0.10	<1	<5	<5	9	0.9
L250N 025W	Soil	1.01	112	0.112	<20	2.64	<0.01	0.06	<2	<0.05	<1	<5	<5	<5	<0.5
L250N 000W	Soil	0.64	75	0.136	<20	2.62	0.01	0.05	<2	<0.05	<1	<5	<5	<5	<0.5
L200N 500W	Soil	0.71	158	0.120	<20	2.92	0.01	0.10	<2	0.13	<1	<5	8	<5	1.0
L200N 475W	Soil	0.70	111	0.139	<20	2.71	<0.01	0.07	<2	0.06	<1	<5	<5	<5	<0.5
L200N 450W	Soil	0.65	159	0.096	<20	1.93	0.01	0.12	<2	0.12	<1	<5	5	<5	0.7
L200N 425W	Soil	0.38	79	0.116	<20	1.43	0.01	0.06	<2	0.06	<1	<5	9	<5	1.9
L200N 400W	Soil	0.15	30	0.078	<20	1.11	0.01	0.04	<2	<0.05	<1	<5	6	<5	<0.5
L200N 375W	Soil	1.13	288	0.151	<20	2.67	<0.01	0.24	<2	0.28	<1	<5	10	6	4.0
L200N 350W	Soil	0.19	51	0.080	<20	0.84	0.02	0.05	<2	0.06	<1	<5	<5	<5	1.3
L200N 325W	Soil	0.68	192	0.099	<20	1.46	0.02	0.33	<2	0.23	<1	<5	8	<5	0.7
L200N 175W	Soil	1.03	185	0.223	<20	1.29	0.02	0.50	<2	0.06	<1	<5	16	11	1.6
L200N 125W	Soil	1.03	124	0.209	<20	3.07	<0.01	0.17	<2	0.09	<1	<5	11	11	1.3
L200N 100W	Soil	0.50	68	0.161	<20	2.50	<0.01	0.05	<2	<0.05	<1	<5	11	<5	0.7
L200N 075W	Soil	1.02	103	0.161	<20	2.92	<0.01	0.11	<2	0.08	<1	<5	11	8	2.2
L200N 050W	Soil	1.32	139	0.180	<20	3.54	0.01	0.14	<2	0.12	<1	<5	13	11	0.9
L200N 025W	Soil	1.44	146	0.168	<20	3.58	0.01	0.18	<2	0.10	<1	<5	11	10	1.5
L200N 000W	Soil	1.52	97	0.178	<20	3.60	<0.01	0.10	3	0.05	<1	<5	12	11	0.9
L150N 500W	Soil	0.77	178	0.148	<20	2.20	0.02	0.13	<2	0.15	<1	<5	9	7	3.0
L150N 475W	Soil	0.89	162	0.112	<20	2.35	0.01	0.17	<2	0.14	<1	<5	6	7	3.7
L150N 450W	Soil	0.58	185	0.097	<20	2.33	0.01	0.11	<2	0.17	<1	<5	9	<5	2.4
L150N 425W	Soil	0.37	74	0.103	<20	1.76	0.01	0.06	<2	0.06	<1	<5	8	<5	<0.5
L150N 400W	Soil	0.38	105	0.098	<20	2.19	<0.01	0.09	<2	0.08	<1	<5	8	<5	1.6
L150N 375W	Soil	0.92	180	0.102	<20	2.61	0.01	0.23	<2	0.17	<1	<5	7	5	2.7

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CERTIFICATE OF ANALYSIS VAN14003580.2

Method		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
MDL		1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	1
L150N 350W	Soil	18	378	3	31	<0.3	15	5	130	2.66	3	<2	26	<0.5	<3	<3	71	0.07	0.025	5	41
L150N 325W	Soil	137	644	4	28	<0.3	5	3	62	7.23	19	<2	13	<0.5	<3	<3	90	0.06	0.067	8	18
L150N 300W	Soil	101	1058	8	28	0.5	15	6	116	7.70	54	<2	87	<0.5	<3	<3	118	0.05	0.175	28	43
L150N 275W	Soil	71	860	<3	23	0.4	8	4	70	5.32	10	2	50	<0.5	<3	<3	87	0.04	0.107	18	35
L150N 250W	Soil	32	903	7	35	0.4	17	7	130	4.62	18	<2	51	<0.5	<3	<3	86	0.08	0.096	19	49
L150N 225W	Soil	25	925	5	50	0.4	21	10	157	4.78	6	<2	25	<0.5	<3	<3	102	0.08	0.109	11	59
L150N 200W	Soil	12	914	<3	37	0.5	17	8	139	3.20	4	<2	21	<0.5	<3	<3	72	0.09	0.073	9	43
L150N 175W	Soil	14	651	<3	32	0.6	10	4	88	3.23	3	<2	13	<0.5	<3	<3	75	0.06	0.067	7	34
L150N 150W	Soil	19	415	<3	59	0.6	33	14	210	4.40	7	<2	24	<0.5	<3	<3	111	0.10	0.073	6	81
L150N 125W	Soil	9	232	<3	18	<0.3	6	3	65	2.43	<2	<2	7	<0.5	<3	<3	61	0.04	0.032	3	22
L150N 100W	Soil	14	315	<3	33	0.5	18	7	119	3.82	4	<2	16	<0.5	<3	<3	91	0.08	0.063	4	54
L150N 075W	Soil	8	551	<3	18	1.3	5	3	52	2.40	3	<2	11	<0.5	<3	<3	51	0.04	0.044	5	15
L150N 050W	Soil	20	275	<3	45	1.2	19	8	155	4.10	<2	<2	45	<0.5	<3	<3	118	0.11	0.082	4	48
L150N 025W	Soil	17	119	<3	49	0.4	16	7	145	3.91	3	<2	37	<0.5	<3	<3	117	0.13	0.063	3	42
L150N 000W	Soil	22	193	<3	57	<0.3	16	8	180	4.38	3	<2	31	<0.5	<3	<3	130	0.18	0.064	3	42
L100N 500W	Soil	19	408	4	37	0.4	15	6	124	3.68	5	<2	25	<0.5	<3	<3	83	0.07	0.093	5	45
L100N 475W	Soil	12	704	3	26	0.5	12	5	93	2.83	4	<2	12	<0.5	<3	<3	56	0.06	0.085	5	32
L100N 450W	Soil	12	285	<3	26	0.8	10	4	80	2.72	4	<2	10	<0.5	<3	<3	61	0.05	0.086	4	29
L100N 425W	Soil	17	154	8	34	0.4	14	5	118	3.42	4	<2	27	<0.5	<3	<3	75	0.06	0.081	6	39
L100N 400W	Soil	13	115	8	31	0.4	13	5	109	3.12	5	<2	21	<0.5	<3	<3	68	0.07	0.083	6	33
L100N 375W	Soil	12	97	8	31	<0.3	9	4	92	2.89	5	<2	12	<0.5	<3	<3	67	0.06	0.085	4	25
L100N 350W	Soil	25	124	<3	32	0.4	12	4	99	3.21	4	<2	32	<0.5	<3	<3	72	0.07	0.079	8	30
L100N 325W	Soil	42	165	7	25	0.7	7	3	75	3.45	13	<2	22	<0.5	<3	<3	74	0.05	0.108	6	18
L100N 300W	Soil	25	105	6	26	0.3	8	3	78	3.02	7	<2	12	<0.5	<3	<3	63	0.05	0.085	6	23
L100N 275W	Soil	26	85	<3	19	0.4	5	2	58	2.59	3	<2	7	<0.5	<3	<3	58	0.04	0.047	3	14
L100N 250W	Soil	25	539	6	32	0.9	11	4	97	3.73	5	<2	22	<0.5	<3	<3	90	0.06	0.061	7	33
L100N 225W	Soil	23	1044	6	46	0.9	18	7	143	4.20	4	<2	37	<0.5	<3	<3	95	0.12	0.101	13	52
L100N 200W	Soil	15	1015	3	31	1.1	12	5	110	2.92	3	<2	20	<0.5	<3	<3	66	0.09	0.061	13	34
L100N 175W	Soil	8	817	6	21	1.1	7	4	70	2.33	3	<2	9	<0.5	<3	<3	42	0.06	0.093	9	23
L100N 150W	Soil	11	800	5	26	0.7	9	4	84	2.93	3	<2	15	<0.5	<3	<3	55	0.07	0.051	10	25

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Project: Whipsaw
Report Date: February 11, 2016

CERTIFICATE OF ANALYSIS VAN14003580.2

Method		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ115
Analyte		Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Au
Unit		%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	ppb
MDL		0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.5
L150N 350W	Soil	0.76	85	0.123	<20	1.30	0.02	0.11	<2	0.09	<1	<5	8	<5	0.8
L150N 325W	Soil	0.40	83	0.157	<20	1.88	0.01	0.14	2	0.10	<1	<5	11	<5	2.4
L150N 300W	Soil	0.80	381	0.122	<20	2.78	0.02	0.32	<2	0.52	<1	<5	12	11	1.1
L150N 275W	Soil	0.45	176	0.117	<20	2.40	0.02	0.18	<2	0.30	<1	<5	12	<5	3.2
L150N 250W	Soil	0.83	180	0.136	<20	2.22	0.01	0.18	<2	0.20	<1	<5	9	5	1.4
L150N 225W	Soil	0.94	96	0.140	<20	2.70	<0.01	0.09	<2	0.09	<1	<5	10	5	1.3
L150N 200W	Soil	0.69	76	0.097	<20	2.14	0.01	0.07	<2	0.06	<1	<5	7	<5	0.6
L150N 175W	Soil	0.42	50	0.113	<20	2.71	<0.01	0.04	<2	0.06	<1	<5	8	<5	1.3
L150N 150W	Soil	1.23	133	0.141	<20	3.32	<0.01	0.11	<2	0.06	<1	<5	8	8	1.3
L150N 125W	Soil	0.24	27	0.102	<20	1.46	0.01	0.03	<2	<0.05	<1	<5	7	<5	1.0
L150N 100W	Soil	0.68	75	0.121	<20	3.33	<0.01	0.07	<2	0.05	<1	<5	8	5	0.8
L150N 075W	Soil	0.22	24	0.100	<20	1.85	0.01	0.03	<2	0.06	<1	<5	7	6	1.2
L150N 050W	Soil	0.96	102	0.139	<20	2.96	<0.01	0.16	<2	0.13	<1	<5	8	7	2.7
L150N 025W	Soil	0.95	87	0.135	<20	2.73	0.01	0.07	<2	0.05	<1	<5	9	7	0.7
L150N 000W	Soil	0.99	103	0.151	<20	3.06	0.01	0.12	<2	0.06	<1	<5	10	8	1.1
L100N 500W	Soil	0.70	120	0.132	<20	2.58	<0.01	0.09	<2	0.09	<1	<5	9	<5	0.5
L100N 475W	Soil	0.45	53	0.096	<20	2.81	<0.01	0.05	<2	0.06	<1	<5	9	<5	1.4
L100N 450W	Soil	0.40	66	0.108	<20	2.16	<0.01	0.05	<2	<0.05	<1	<5	9	<5	<0.5
L100N 425W	Soil	0.67	146	0.130	<20	2.69	0.01	0.10	<2	0.10	<1	<5	<5	<5	3.6
L100N 400W	Soil	0.58	156	0.122	<20	2.50	0.01	0.11	<2	0.09	<1	<5	<5	<5	1.8
L100N 375W	Soil	0.39	91	0.122	<20	2.13	0.01	0.05	<2	<0.05	<1	<5	<5	<5	1.0
L100N 350W	Soil	0.62	170	0.123	<20	2.58	0.01	0.16	<2	0.14	<1	<5	<5	<5	1.8
L100N 325W	Soil	0.42	166	0.114	<20	2.48	0.02	0.11	<2	0.14	<1	<5	<5	<5	<0.5
L100N 300W	Soil	0.43	85	0.118	<20	2.60	0.01	0.05	<2	<0.05	<1	<5	<5	<5	1.7
L100N 275W	Soil	0.24	53	0.116	<20	1.82	0.01	0.04	<2	<0.05	<1	<5	<5	<5	<0.5
L100N 250W	Soil	0.57	110	0.132	<20	2.36	0.01	0.10	<2	0.09	<1	<5	<5	6	1.8
L100N 225W	Soil	0.88	171	0.124	<20	2.16	0.01	0.11	<2	0.13	<1	<5	<5	6	1.7
L100N 200W	Soil	0.60	94	0.096	<20	1.70	0.01	0.07	<2	0.07	<1	<5	<5	<5	2.1
L100N 175W	Soil	0.28	34	0.100	<20	2.82	0.01	0.03	<2	0.05	<1	<5	<5	5	2.4
L100N 150W	Soil	0.38	56	0.106	<20	1.54	0.01	0.05	<2	0.08	<1	<5	<5	<5	3.8

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Project: Whipsaw
Report Date: February 11, 2016

CERTIFICATE OF ANALYSIS VAN14003580.2

	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
	MDL	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	1
L100N 125W	Soil	16	946	6	50	0.7	19	8	151	3.73	5	<2	18	<0.5	<3	<3	86	0.08	0.106	7	51
L100N 100W	Soil	10	1177	<3	33	1.4	14	6	99	2.89	4	<2	12	<0.5	<3	<3	66	0.07	0.139	6	40
L100N 075W	Soil	15	838	<3	39	1.0	17	6	137	3.38	3	<2	18	<0.5	<3	<3	84	0.08	0.088	6	47
L100N 050W	Soil	15	1086	<3	62	1.0	21	7	151	4.38	4	<2	44	<0.5	<3	<3	116	0.08	0.135	7	65
L100N 025W	Soil	9	1088	5	26	1.2	9	4	72	2.55	3	<2	14	<0.5	<3	<3	55	0.08	0.136	7	25
L100N 000W	Soil	27	682	4	42	1.0	18	6	171	4.50	4	<2	25	<0.5	<3	<3	97	0.12	0.081	4	48
L050N 500W	Soil	22	83	4	29	0.3	8	3	94	3.33	5	<2	13	<0.5	<3	<3	71	0.05	0.089	4	21
L050N 475W	Soil	44	149	<3	36	0.4	10	3	131	3.92	6	<2	27	<0.5	<3	<3	81	0.08	0.112	5	24
L050N 450W	Soil	8	113	5	41	0.5	11	5	154	2.86	4	<2	9	<0.5	<3	<3	64	0.05	0.089	4	27
L050N 425W	Soil	7	55	4	21	0.3	5	2	58	2.29	3	<2	8	<0.5	<3	<3	52	0.04	0.075	3	15
L050N 400W	Soil	20	95	4	28	0.5	8	3	88	2.68	3	<2	17	<0.5	<3	<3	64	0.08	0.069	4	20
L050N 375W	Soil	26	155	5	28	0.7	8	3	76	2.79	7	<2	13	<0.5	<3	<3	58	0.05	0.069	7	17
L050N 350W	Soil	20	103	3	32	0.4	12	4	100	3.22	11	<2	30	<0.5	<3	<3	66	0.06	0.091	9	31
L050N 325W	Soil	23	32	3	23	<0.3	6	2	64	2.49	2	<2	13	<0.5	<3	<3	54	0.04	0.068	4	17
L050N 300W	Soil	13	21	5	15	<0.3	3	1	41	1.77	<2	<2	6	<0.5	<3	<3	40	0.03	0.051	2	8
L050N 275W	Soil	33	162	7	32	0.3	11	4	97	3.13	14	<2	11	<0.5	<3	<3	72	0.06	0.074	4	31
L050N 250W	Soil	33	151	4	37	<0.3	10	4	113	3.95	4	<2	25	<0.5	<3	<3	100	0.05	0.073	7	26
L050N 225W	Soil	29	132	3	27	0.7	9	3	82	3.89	4	<2	15	<0.5	<3	<3	84	0.04	0.068	4	24
L050N 200W	Soil	23	184	3	19	0.4	5	2	60	2.76	2	<2	17	<0.5	<3	<3	64	0.03	0.049	4	12
L050N 175W	Soil	21	588	<3	28	0.8	7	3	76	3.38	2	<2	22	<0.5	<3	<3	81	0.04	0.086	5	20
L050N 150W	Soil	41	649	4	75	0.8	16	3	243	5.80	5	<2	75	<0.5	<3	<3	178	0.07	0.061	6	58
L050N 125W	Soil	18	234	3	41	0.3	20	7	142	3.74	5	<2	26	<0.5	<3	<3	94	0.08	0.059	4	57
L050N 100W	Soil	24	308	6	45	0.5	18	7	156	4.04	4	<2	37	<0.5	<3	<3	102	0.09	0.078	5	48
L050N 075W	Soil	12	778	<3	35	0.9	14	5	104	3.35	4	<2	21	<0.5	<3	<3	81	0.06	0.122	4	40
L050N 050W	Soil	17	362	6	45	0.5	17	5	136	3.86	4	<2	23	<0.5	<3	<3	103	0.07	0.081	4	51
L050N 025W	Soil	14	161	6	33	0.5	14	5	103	3.48	3	<2	17	<0.5	<3	<3	92	0.06	0.072	3	38
L050N 000W	Soil	22	822	5	38	0.9	10	3	109	3.80	3	<2	43	<0.5	<3	<3	100	0.06	0.090	7	34
L000N 525W	Soil	14	186	6	44	0.6	17	5	139	3.50	5	<2	24	<0.5	<3	<3	96	0.06	0.061	4	49
L000N 500W	Soil	8	46	10	20	0.6	3	<1	57	2.40	3	<2	10	<0.5	<3	<3	50	0.03	0.094	3	7
L000N 475W	Soil	23	132	9	34	0.3	11	2	104	3.32	5	<2	14	<0.5	<3	<3	81	0.06	0.115	3	29

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Project: Whipsaw
Report Date: February 11, 2016

CERTIFICATE OF ANALYSIS VAN14003580.2

Method		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ115
Analyte		Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Au
Unit		%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	ppb
MDL		0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.5
L100N 125W	Soil	0.84	79	0.124	<20	2.98	<0.01	0.08	<2	0.08	<1	<5	<5	8	1.7
L100N 100W	Soil	0.60	47	0.104	<20	2.85	0.01	0.06	<2	<0.05	<1	<5	<5	5	1.2
L100N 075W	Soil	0.83	86	0.112	<20	2.47	<0.01	0.08	<2	0.07	<1	<5	<5	6	1.6
L100N 050W	Soil	1.22	140	0.172	<20	4.20	0.02	0.24	<2	0.28	<1	<5	<5	12	3.2
L100N 025W	Soil	0.46	45	0.092	<20	2.97	0.01	0.05	<2	0.07	<1	<5	<5	5	0.8
L100N 000W	Soil	0.98	94	0.090	<20	2.49	0.01	0.21	<2	0.13	<1	<5	<5	6	2.8
L050N 500W	Soil	0.43	128	0.137	<20	2.33	0.01	0.08	<2	0.07	<1	<5	<5	<5	1.0
L050N 475W	Soil	0.75	286	0.151	<20	2.71	0.01	0.26	<2	0.21	<1	<5	<5	6	2.0
L050N 450W	Soil	0.40	89	0.124	<20	3.07	0.01	0.04	<2	<0.05	<1	<5	<5	<5	<0.5
L050N 425W	Soil	0.24	61	0.118	<20	2.22	0.01	0.03	<2	<0.05	<1	<5	<5	<5	0.6
L050N 400W	Soil	0.45	117	0.119	<20	1.96	0.01	0.07	<2	0.07	<1	<5	<5	<5	<0.5
L050N 375W	Soil	0.46	102	0.094	<20	2.50	<0.01	0.07	<2	<0.05	<1	<5	5	<5	1.8
L050N 350W	Soil	0.53	175	0.116	<20	2.29	0.01	0.12	<2	0.13	<1	<5	<5	<5	0.6
L050N 325W	Soil	0.29	73	0.107	<20	2.17	0.01	0.04	<2	0.06	<1	<5	<5	<5	0.9
L050N 300W	Soil	0.11	41	0.098	<20	1.31	0.01	0.02	<2	<0.05	<1	<5	<5	<5	0.8
L050N 275W	Soil	0.48	73	0.115	<20	2.22	<0.01	0.04	<2	<0.05	<1	<5	<5	<5	1.7
L050N 250W	Soil	0.75	179	0.155	<20	2.23	<0.01	0.20	<2	0.14	<1	<5	<5	7	1.1
L050N 225W	Soil	0.51	104	0.141	<20	2.33	0.01	0.09	<2	0.08	<1	<5	<5	5	0.8
L050N 200W	Soil	0.31	92	0.122	<20	1.31	0.02	0.09	<2	0.11	<1	<5	<5	<5	0.9
L050N 175W	Soil	0.49	106	0.144	<20	2.16	0.01	0.11	<2	0.12	<1	<5	<5	5	1.2
L050N 150W	Soil	2.18	230	0.265	<20	3.49	0.05	0.98	<2	0.67	<1	<5	<5	23	3.5
L050N 125W	Soil	0.85	111	0.127	<20	2.58	<0.01	0.13	<2	0.07	<1	<5	<5	6	1.2
L050N 100W	Soil	0.89	135	0.132	<20	2.72	0.01	0.12	<2	0.11	<1	<5	<5	7	2.3
L050N 075W	Soil	0.62	66	0.116	<20	2.96	<0.01	0.09	<2	0.08	<1	<5	<5	<5	1.5
L050N 050W	Soil	0.91	94	0.144	<20	2.68	<0.01	0.15	<2	0.12	<1	<5	11	7	1.5
L050N 025W	Soil	0.64	85	0.132	<20	2.76	0.01	0.06	<2	<0.05	<1	<5	9	5	0.8
L050N 000W	Soil	0.84	148	0.149	<20	2.95	0.02	0.22	<2	0.27	<1	<5	10	7	1.0
L000N 525W	Soil	0.91	133	0.125	<20	2.88	<0.01	0.09	<2	0.07	<1	<5	10	7	2.4
L000N 500W	Soil	0.22	73	0.119	<20	2.14	0.01	0.04	<2	<0.05	<1	<5	9	<5	1.2
L000N 475W	Soil	0.61	126	0.144	<20	1.55	0.01	0.08	<2	0.08	<1	<5	10	<5	1.2

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Method		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
MDL		1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	1
L000N 450W	Soil	15	231	7	26	0.9	8	2	74	2.73	3	<2	9	<0.5	<3	<3	61	0.04	0.092	4	24
L000N 425W	Soil	14	70	6	22	0.6	4	<1	64	2.63	2	<2	12	<0.5	<3	<3	52	0.05	0.116	5	9
L000N 400W	Soil	11	45	7	21	0.6	5	1	62	2.54	4	<2	10	<0.5	<3	<3	55	0.03	0.075	4	13
L000N 375W	Soil	21	46	<3	18	0.7	4	1	46	2.41	16	<2	13	<0.5	<3	<3	46	0.03	0.066	6	10
L000N 350W	Soil	33	64	8	25	0.4	4	1	65	2.53	6	<2	20	<0.5	<3	<3	55	0.04	0.097	5	10
L000N 325W	Soil	42	87	7	27	0.7	9	2	81	3.28	3	<2	16	<0.5	<3	<3	70	0.05	0.070	4	25
L000N 300W	Soil	30	168	<3	39	0.4	14	5	129	3.73	6	<2	34	<0.5	<3	<3	88	0.09	0.083	8	36
L000N 275W	Soil	17	167	13	45	0.5	13	3	143	4.59	4	<2	26	<0.5	<3	<3	131	0.06	0.073	5	36
L000N 250W	Soil	20	137	6	35	1.0	10	3	104	3.96	4	<2	20	<0.5	<3	<3	98	0.06	0.080	4	29
L000N 225W	Soil	41	739	4	68	1.0	12	1	231	8.70	4	<2	53	<0.5	<3	<3	258	0.04	0.057	6	40
L050S 525W	Soil	10	82	3	25	0.6	7	2	83	2.66	3	<2	9	<0.5	<3	<3	60	0.05	0.088	3	19
L050S 500W	Soil	16	217	<3	45	0.7	18	6	151	3.70	5	<2	21	<0.5	<3	<3	91	0.07	0.087	5	48
L050S 475W	Soil	16	160	<3	41	0.6	16	5	149	3.47	4	<2	25	<0.5	<3	<3	84	0.07	0.076	5	42
L050S 450W	Soil	18	116	<3	35	0.4	11	3	121	3.29	6	<2	28	<0.5	<3	<3	71	0.06	0.083	6	28
L050S 425W	Soil	13	264	4	38	0.4	11	3	121	3.38	6	<2	9	<0.5	<3	<3	81	0.06	0.127	4	32
L050S 400W	Soil	13	134	6	32	0.7	8	2	86	2.81	4	<2	9	<0.5	<3	<3	67	0.05	0.096	5	25
L050S 375W	Soil	16	82	5	32	0.4	9	3	96	2.73	5	<2	12	<0.5	<3	<3	66	0.08	0.082	3	24
L050S 350W	Soil	24	55	8	22	0.9	6	1	93	2.46	7	<2	14	<0.5	<3	<3	50	0.05	0.066	4	14
L050S 325W	Soil	20	132	<3	31	0.5	11	3	107	3.33	6	<2	20	<0.5	<3	<3	73	0.05	0.085	5	28
L050S 300W	Soil	16	698	6	27	1.5	8	2	104	2.67	5	<2	12	<0.5	<3	<3	56	0.06	0.103	6	20
L050S 275W	Soil	30	1256	9	36	0.6	9	2	112	3.58	4	<2	31	<0.5	<3	<3	91	0.07	0.053	17	25
L050S 250W	Soil	28	985	<3	38	0.6	10	3	102	3.82	3	<2	23	<0.5	<3	<3	99	0.06	0.070	8	31
L050S 225W	Soil	26	559	<3	35	0.7	9	3	95	3.39	3	<2	21	<0.5	<3	<3	89	0.06	0.060	5	26
L100S 525W	Soil	13	118	13	35	0.5	12	4	108	2.75	4	<2	10	<0.5	<3	<3	63	0.06	0.101	4	29
L100S 500W	Soil	12	75	8	24	0.7	7	2	80	2.73	5	<2	12	<0.5	<3	<3	59	0.05	0.103	4	20
L100S 475W	Soil	22	204	3	46	0.5	18	6	177	3.57	10	<2	37	<0.5	<3	<3	91	0.17	0.103	5	47
L100S 450W	Soil	15	127	5	36	0.5	10	3	108	3.26	6	<2	12	<0.5	<3	<3	79	0.06	0.077	4	28
L100S 425W	Soil	22	180	8	31	0.5	8	2	86	2.93	14	<2	10	<0.5	<3	<3	67	0.06	0.086	5	22
L100S 400W	Soil	25	210	4	42	0.4	15	4	128	3.77	6	<2	26	<0.5	<3	<3	97	0.07	0.074	5	41
L100S 375W	Soil	18	117	7	32	0.8	10	3	94	2.87	5	<2	12	<0.5	<3	<3	72	0.06	0.078	3	27

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Project: Whipsaw
Report Date: February 11, 2016

CERTIFICATE OF ANALYSIS VAN14003580.2

Method		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ115
Analyte		Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Au
Unit		%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	ppb
MDL		0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.5
L000N 450W	Soil	0.41	94	0.116	<20	2.24	<0.01	0.06	<2	<0.05	<1	<5	9	<5	2.5
L000N 425W	Soil	0.31	118	0.122	<20	2.44	0.01	0.09	<2	0.05	<1	<5	10	<5	1.1
L000N 400W	Soil	0.27	83	0.123	<20	2.40	0.01	0.05	<2	<0.05	<1	<5	9	<5	2.1
L000N 375W	Soil	0.18	76	0.085	<20	2.36	0.01	0.04	<2	0.05	<1	<5	8	<5	0.6
L000N 350W	Soil	0.32	110	0.118	<20	2.57	0.01	0.07	<2	0.08	<1	<5	10	<5	<0.5
L000N 325W	Soil	0.47	80	0.125	<20	2.79	0.01	0.05	<2	0.06	<1	<5	10	<5	2.0
L000N 300W	Soil	0.82	171	0.120	<20	2.61	0.01	0.13	<2	0.13	<1	<5	10	6	2.6
L000N 275W	Soil	1.00	198	0.175	<20	2.91	0.01	0.23	<2	0.16	<1	<5	12	10	<0.5
L000N 250W	Soil	0.63	134	0.162	<20	2.48	0.01	0.11	<2	0.09	<1	<5	11	6	1.9
L000N 225W	Soil	2.22	304	0.298	<20	3.33	0.05	1.38	<2	1.09	<1	<5	11	29	5.5
L050S 525W	Soil	0.37	79	0.117	<20	2.22	0.01	0.04	<2	<0.05	<1	<5	8	<5	<0.5
L050S 500W	Soil	0.93	152	0.131	<20	2.95	<0.01	0.10	<2	0.07	<1	<5	9	6	1.6
L050S 475W	Soil	0.81	166	0.125	<20	2.34	0.01	0.09	<2	0.09	<1	<5	9	5	1.2
L050S 450W	Soil	0.64	188	0.128	<20	2.52	0.01	0.11	<2	0.10	<1	<5	10	<5	1.7
L050S 425W	Soil	0.54	67	0.128	<20	2.83	0.01	0.04	<2	<0.05	<1	<5	8	5	2.9
L050S 400W	Soil	0.42	57	0.121	<20	3.15	0.01	0.03	<2	<0.05	<1	<5	10	<5	1.6
L050S 375W	Soil	0.44	104	0.120	<20	1.91	0.01	0.05	<2	<0.05	<1	<5	8	<5	1.4
L050S 350W	Soil	0.27	88	0.112	<20	2.43	0.01	0.04	<2	<0.05	<1	<5	8	<5	<0.5
L050S 325W	Soil	0.56	124	0.123	<20	2.49	0.01	0.08	<2	0.08	<1	<5	9	<5	1.5
L050S 300W	Soil	0.33	71	0.102	<20	2.45	0.01	0.03	<2	<0.05	<1	<5	9	<5	6.6
L050S 275W	Soil	0.81	196	0.152	<20	2.14	0.02	0.24	<2	0.22	<1	<5	12	8	2.6
L050S 250W	Soil	0.66	116	0.150	<20	2.48	0.01	0.11	<2	0.10	<1	<5	10	6	<0.5
L050S 225W	Soil	0.63	93	0.152	<20	2.51	0.01	0.10	<2	0.09	<1	<5	10	6	<0.5
L100S 525W	Soil	0.52	70	0.111	<20	2.53	<0.01	0.04	<2	<0.05	<1	<5	9	<5	1.5
L100S 500W	Soil	0.33	79	0.110	<20	2.39	0.01	0.04	<2	<0.05	<1	<5	8	<5	1.4
L100S 475W	Soil	0.88	154	0.116	<20	2.36	0.01	0.11	<2	0.09	<1	<5	10	6	3.6
L100S 450W	Soil	0.54	95	0.130	<20	2.58	0.01	0.05	<2	<0.05	<1	<5	8	<5	0.7
L100S 425W	Soil	0.41	77	0.111	<20	2.59	<0.01	0.04	<2	<0.05	<1	<5	9	<5	1.8
L100S 400W	Soil	0.77	133	0.139	<20	2.82	0.01	0.09	<2	0.09	<1	<5	10	6	1.0
L100S 375W	Soil	0.50	74	0.113	<20	2.19	0.01	0.04	<2	<0.05	<1	<5	8	<5	1.7

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Project: Whipsaw
Report Date: February 11, 2016

CERTIFICATE OF ANALYSIS VAN14003580.2

		Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
		MDL	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	1
L100S 350W	Soil		22	211	4	26	1.0	6	2	65	2.53	7	<2	8	<0.5	<3	<3	53	0.04	0.124	4	18
L100S 325W	Soil		18	250	<3	27	1.0	7	2	74	2.69	4	<2	10	<0.5	<3	<3	59	0.04	0.084	5	19
L100S 300W	Soil		21	178	<3	37	0.4	13	4	108	3.64	6	<2	23	<0.5	<3	<3	84	0.05	0.072	7	38
L100S 275W	Soil		40	1190	7	26	0.9	6	3	82	2.84	5	<2	17	<0.5	<3	<3	64	0.07	0.067	12	16
L100S 250W	Soil		74	1787	<3	49	0.4	12	4	132	5.10	10	<2	29	<0.5	<3	<3	113	0.07	0.124	11	32
L100S 225W	Soil		34	370	<3	46	1.2	9	3	123	4.49	4	<2	24	<0.5	<3	<3	135	0.06	0.071	5	25
L150S 525W	Soil		16	206	<3	44	0.5	18	7	175	3.29	9	<2	23	<0.5	<3	<3	77	0.13	0.129	4	41
L150S 500W	Soil		18	199	4	40	0.3	12	5	124	3.27	19	<2	20	<0.5	<3	<3	72	0.10	0.106	5	30
L150S 475W	Soil		18	155	<3	34	<0.3	8	3	126	2.88	12	<2	13	<0.5	<3	<3	65	0.05	0.087	4	22
L150S 450W	Soil		15	146	<3	34	0.4	8	3	95	2.92	6	<2	13	<0.5	<3	<3	64	0.05	0.096	5	23
L150S 425W	Soil		25	208	<3	41	0.5	14	5	127	3.36	7	<2	17	<0.5	<3	<3	81	0.09	0.093	5	35
L150S 400W	Soil		32	494	<3	34	0.8	8	3	91	3.33	11	<2	19	<0.5	<3	<3	72	0.06	0.103	8	24
L150S 375W	Soil		14	291	<3	29	0.5	7	2	70	2.78	6	<2	9	<0.5	<3	<3	59	0.04	0.102	5	19
L150S 350W	Soil		20	605	6	35	0.5	9	3	100	3.47	8	<2	20	<0.5	<3	<3	73	0.06	0.118	7	24
L150S 325W	Soil		20	259	3	32	0.6	8	3	86	2.98	7	<2	11	<0.5	<3	<3	69	0.05	0.073	5	23
L150S 300W	Soil		50	897	<3	34	0.6	11	4	92	3.55	16	<2	13	<0.5	<3	<3	81	0.04	0.093	8	29
L150S 275W	Soil		57	920	3	30	1.0	7	2	82	4.03	6	<2	27	<0.5	<3	<3	91	0.04	0.103	9	23
L150S 250W	Soil		50	175	4	35	0.8	8	3	94	4.58	4	<2	14	<0.5	<3	<3	83	0.04	0.088	3	18
L150S 225W	Soil		54	194	<3	49	1.3	8	2	114	4.73	4	<2	20	<0.5	<3	<3	134	0.04	0.067	4	22
L200S 525W	Soil		16	271	6	32	0.6	8	4	101	2.59	5	<2	17	<0.5	<3	<3	56	0.06	0.039	5	21
L200S 500W	Soil		38	204	<3	42	0.6	8	3	113	3.75	13	<2	41	<0.5	<3	<3	70	0.05	0.115	10	16
L200S 475W	Soil		29	263	6	48	0.5	16	6	135	3.37	8	<2	22	<0.5	<3	<3	80	0.07	0.091	5	39
L200S 450W	Soil		19	152	4	37	0.4	11	4	118	3.12	6	<2	16	<0.5	<3	<3	74	0.06	0.079	4	28
L200S 425W	Soil		23	224	4	41	0.4	17	6	138	3.85	7	<2	25	<0.5	<3	<3	90	0.06	0.107	5	44
L200S 400W	Soil		22	214	7	42	0.5	14	4	127	3.78	7	<2	32	<0.5	<3	<3	94	0.10	0.089	5	41
L200S 375W	Soil		29	131	<3	28	0.6	7	2	69	2.85	13	<2	14	<0.5	<3	<3	66	0.04	0.076	4	19
L200S 350W	Soil		26	331	6	36	0.5	11	4	108	3.23	8	<2	15	<0.5	<3	<3	78	0.05	0.084	4	32
L200S 325W	Soil		35	285	<3	39	0.6	13	5	121	3.42	11	<2	13	<0.5	<3	<3	82	0.06	0.086	5	30
L200S 300W	Soil		28	721	<3	33	0.7	10	4	94	3.11	6	<2	10	<0.5	<3	<3	77	0.06	0.104	6	29
L200S 275W	Soil		18	414	8	41	0.6	16	7	131	3.39	7	<2	13	<0.5	<3	<3	92	0.07	0.071	4	45

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Project: Whipsaw
Report Date: February 11, 2016

CERTIFICATE OF ANALYSIS VAN14003580.2

Method		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ115
Analyte		Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Au
Unit		%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	ppb
MDL		0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.5
L100S 350W	Soil	0.35	54	0.096	<20	2.35	0.01	0.04	<2	<0.05	<1	<5	<5	<5	0.8
L100S 325W	Soil	0.33	57	0.106	<20	2.49	0.01	0.04	<2	<0.05	<1	<5	<5	<5	1.2
L100S 300W	Soil	0.66	120	0.122	<20	2.41	<0.01	0.09	<2	0.09	<1	<5	<5	5	1.6
L100S 275W	Soil	0.41	118	0.112	<20	1.35	0.01	0.07	<2	0.09	<1	<5	<5	<5	2.7
L100S 250W	Soil	1.02	199	0.155	<20	2.98	0.01	0.22	<2	0.19	<1	<5	<5	10	2.8
L100S 225W	Soil	1.05	133	0.209	<20	3.21	0.01	0.19	<2	0.11	<1	<5	<5	11	5.4
L150S 525W	Soil	0.78	105	0.092	<20	2.21	<0.01	0.08	<2	0.06	<1	<5	<5	<5	5.0
L150S 500W	Soil	0.58	106	0.089	<20	2.17	<0.01	0.07	<2	0.05	<1	<5	<5	<5	1.6
L150S 475W	Soil	0.38	91	0.098	<20	1.85	<0.01	0.04	<2	<0.05	<1	<5	<5	<5	2.3
L150S 450W	Soil	0.40	88	0.108	<20	2.24	<0.01	0.05	<2	<0.05	<1	<5	<5	<5	2.6
L150S 425W	Soil	0.69	103	0.118	<20	2.37	<0.01	0.06	<2	<0.05	<1	<5	<5	<5	2.6
L150S 400W	Soil	0.53	134	0.112	<20	2.40	0.01	0.09	<2	0.11	<1	<5	<5	<5	2.6
L150S 375W	Soil	0.33	64	0.108	<20	2.50	<0.01	0.05	<2	<0.05	<1	<5	<5	<5	<0.5
L150S 350W	Soil	0.50	140	0.115	<20	2.46	0.01	0.09	<2	0.10	<1	<5	<5	<5	2.2
L150S 325W	Soil	0.39	75	0.106	<20	2.30	<0.01	0.04	<2	<0.05	<1	<5	<5	<5	<0.5
L150S 300W	Soil	0.59	89	0.108	<20	2.39	<0.01	0.11	<2	0.07	<1	<5	<5	5	3.8
L150S 275W	Soil	0.57	148	0.137	<20	2.16	0.01	0.12	<2	0.17	<1	<5	<5	6	1.2
L150S 250W	Soil	0.54	86	0.158	<20	2.18	0.01	0.10	<2	0.06	<1	<5	<5	<5	5.3
L150S 225W	Soil	0.91	126	0.205	<20	3.19	0.01	0.16	<2	0.11	<1	<5	<5	10	1.1
L200S 525W	Soil	0.48	66	0.108	<20	1.46	0.01	0.06	<2	0.06	<1	<5	<5	<5	0.6
L200S 500W	Soil	0.54	244	0.102	<20	2.42	0.02	0.18	<2	0.25	<1	<5	6	<5	1.0
L200S 475W	Soil	0.75	123	0.100	<20	2.25	<0.01	0.08	<2	0.07	<1	<5	<5	<5	1.2
L200S 450W	Soil	0.52	111	0.111	<20	1.93	<0.01	0.06	<2	0.06	<1	<5	<5	<5	0.6
L200S 425W	Soil	0.82	140	0.118	<20	2.48	0.01	0.10	<2	0.11	<1	<5	<5	5	1.0
L200S 400W	Soil	0.80	149	0.127	<20	2.65	<0.01	0.12	<2	0.12	<1	<5	<5	6	4.1
L200S 375W	Soil	0.34	75	0.098	<20	2.12	<0.01	0.04	<2	<0.05	<1	<5	<5	<5	0.8
L200S 350W	Soil	0.54	92	0.107	<20	2.20	<0.01	0.06	<2	0.06	<1	<5	<5	<5	2.1
L200S 325W	Soil	0.71	101	0.108	<20	2.63	<0.01	0.06	<2	<0.05	<1	<5	<5	5	3.7
L200S 300W	Soil	0.55	65	0.116	<20	2.53	<0.01	0.06	<2	<0.05	<1	<5	<5	<5	1.6
L200S 275W	Soil	0.72	73	0.124	<20	2.31	<0.01	0.07	<2	<0.05	<1	<5	<5	5	0.7

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Project: Whipsaw
Report Date: February 11, 2016

CERTIFICATE OF ANALYSIS VAN14003580.2

	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
	MDL	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	1
L200S 250W	Soil	38	1774	7	34	1.9	13	5	109	2.83	6	<2	20	<0.5	<3	<3	68	0.11	0.107	16	33
L200S 225W	Soil	34	304	4	46	0.8	7	3	102	3.78	4	<2	17	<0.5	<3	<3	90	0.05	0.071	3	18
L250S 525W	Soil	23	157	4	36	0.4	9	4	107	3.31	11	<2	13	<0.5	<3	<3	68	0.06	0.107	7	22
L250S 500W	Soil	29	209	5	37	0.3	10	4	103	3.15	9	<2	22	<0.5	<3	<3	72	0.06	0.080	6	27
L250S 475W	Soil	35	134	7	33	0.4	7	3	88	3.13	12	<2	23	<0.5	<3	<3	65	0.05	0.096	7	19
L250S 450W	Soil	30	88	7	29	<0.3	6	2	79	3.14	4	<2	21	<0.5	<3	<3	64	0.05	0.090	4	15
L250S 425W	Soil	34	92	<3	23	<0.3	3	1	66	3.11	4	<2	11	<0.5	<3	<3	62	0.05	0.101	3	9
L250S 400W	Soil	17	88	8	29	<0.3	6	2	104	3.19	4	<2	17	<0.5	<3	<3	65	0.06	0.094	4	15
L250S 375W	Soil	20	191	6	32	0.5	8	3	100	3.22	5	<2	16	<0.5	<3	<3	75	0.05	0.080	5	24
L250S 350W	Soil	19	321	6	26	0.8	5	2	72	2.73	4	<2	12	<0.5	<3	<3	59	0.06	0.065	4	16
L250S 325W	Soil	16	245	6	21	0.5	5	2	61	2.41	4	<2	11	<0.5	<3	<3	51	0.05	0.093	5	14
L250S 300W	Soil	34	423	6	49	0.6	13	8	127	3.22	8	<2	10	<0.5	<3	<3	76	0.06	0.075	4	31
L250S 275W	Soil	27	288	5	44	0.5	12	6	116	3.35	7	<2	10	<0.5	<3	<3	81	0.05	0.073	4	29
L250S 250W	Soil	16	189	8	34	0.5	12	5	145	2.93	5	<2	15	<0.5	<3	<3	78	0.12	0.061	3	30
L250S 225W	Soil	14	179	6	36	0.6	10	5	96	2.98	4	<2	9	<0.5	<3	<3	77	0.05	0.070	4	26

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CERTIFICATE OF ANALYSIS VAN14003580.2

		Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ115
		Analyte	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Au
		Unit	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	ppb
		MDL	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.5
L200S 250W	Soil		0.72	90	0.091	<20	2.16	<0.01	0.08	<2	0.09	<1	<5	<5	<5	1.6
L200S 225W	Soil		0.59	102	0.159	<20	2.41	0.01	0.08	<2	0.05	<1	<5	<5	5	3.5
L250S 525W	Soil		0.49	128	0.116	<20	2.31	<0.01	0.08	<2	0.05	<1	<5	<5	<5	<0.5
L250S 500W	Soil		0.53	104	0.096	<20	2.21	<0.01	0.06	<2	0.07	<1	<5	<5	<5	<0.5
L250S 475W	Soil		0.44	146	0.107	<20	2.16	0.01	0.11	<2	0.10	<1	<5	<5	<5	1.5
L250S 450W	Soil		0.39	153	0.125	<20	2.10	0.01	0.10	<2	0.10	<1	<5	<5	<5	1.4
L250S 425W	Soil		0.21	63	0.118	<20	1.23	0.01	0.04	<2	0.05	<1	<5	6	<5	2.9
L250S 400W	Soil		0.37	104	0.119	<20	2.10	0.01	0.08	<2	0.08	<1	<5	<5	<5	1.4
L250S 375W	Soil		0.46	94	0.120	<20	2.17	<0.01	0.07	<2	0.07	<1	<5	<5	<5	4.6
L250S 350W	Soil		0.32	69	0.108	<20	1.42	0.01	0.05	<2	<0.05	<1	<5	<5	<5	3.2
L250S 325W	Soil		0.25	56	0.119	<20	2.71	0.01	0.04	<2	<0.05	<1	<5	<5	<5	3.6
L250S 300W	Soil		0.61	61	0.098	<20	2.72	<0.01	0.05	<2	<0.05	<1	<5	<5	5	5.0
L250S 275W	Soil		0.57	63	0.119	<20	2.58	0.01	0.04	<2	<0.05	<1	<5	<5	<5	2.1
L250S 250W	Soil		0.53	59	0.113	<20	2.10	<0.01	0.05	<2	<0.05	<1	<5	<5	<5	0.6
L250S 225W	Soil		0.44	50	0.134	<20	2.73	0.01	0.05	<2	<0.05	<1	<5	<5	<5	<0.5

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QUALITY CONTROL REPORT VAN14003580.2

	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
	MDL	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	1
Pulp Duplicates																					
L400N 000W	Soil	13	329	4	72	0.3	30	18	253	3.98	2	<2	15	<0.5	<3	<3	112	0.13	0.070	3	62
REP L400N 000W	QC	13	329	3	72	<0.3	31	18	250	3.95	4	<2	15	<0.5	<3	<3	112	0.13	0.071	3	61
L350N 350W	Soil	11	300	3	50	<0.3	26	9	172	2.23	3	<2	18	<0.5	<3	<3	71	0.18	0.039	4	53
REP L350N 350W	QC																				
L250N 475W	Soil	16	174	5	32	<0.3	16	6	132	3.22	3	<2	14	<0.5	<3	<3	70	0.06	0.069	7	42
REP L250N 475W	QC	15	175	<3	31	<0.3	16	6	129	3.19	3	<2	14	<0.5	<3	<3	67	0.06	0.069	7	42
L250N 200W	Soil	13	538	4	24	0.4	10	3	97	2.42	<2	<2	17	<0.5	<3	<3	56	0.06	0.039	5	27
REP L250N 200W	QC																				
L150N 325W	Soil	137	644	4	28	<0.3	5	3	62	7.23	19	<2	13	<0.5	<3	<3	90	0.06	0.067	8	18
REP L150N 325W	QC	135	637	3	28	<0.3	4	3	61	7.05	19	<2	13	<0.5	<3	<3	88	0.06	0.066	8	18
L150N 175W	Soil	14	651	<3	32	0.6	10	4	88	3.23	3	<2	13	<0.5	<3	<3	75	0.06	0.067	7	34
REP L150N 175W	QC																				
L050N 475W	Soil	44	149	<3	36	0.4	10	3	131	3.92	6	<2	27	<0.5	<3	<3	81	0.08	0.112	5	24
REP L050N 475W	QC	45	148	6	36	0.4	10	4	132	3.94	8	<2	28	<0.5	<3	<3	82	0.08	0.115	6	24
L050N 300W	Soil	13	21	5	15	<0.3	3	1	41	1.77	<2	<2	6	<0.5	<3	<3	40	0.03	0.051	2	8
REP L050N 300W	QC																				
L050S 450W	Soil	18	116	<3	35	0.4	11	3	121	3.29	6	<2	28	<0.5	<3	<3	71	0.06	0.083	6	28
REP L050S 450W	QC	19	120	4	35	0.5	12	3	123	3.35	7	<2	29	<0.5	<3	<3	72	0.06	0.086	6	29
L050S 250W	Soil	28	985	<3	38	0.6	10	3	102	3.82	3	<2	23	<0.5	<3	<3	99	0.06	0.070	8	31
REP L050S 250W	QC																				
L200S 525W	Soil	16	271	6	32	0.6	8	4	101	2.59	5	<2	17	<0.5	<3	<3	56	0.06	0.039	5	21
REP L200S 525W	QC	16	303	5	33	0.7	9	4	107	2.74	5	<2	19	<0.5	<3	<3	57	0.06	0.042	5	22
L200S 300W	Soil	28	721	<3	33	0.7	10	4	94	3.11	6	<2	10	<0.5	<3	<3	77	0.06	0.104	6	29
REP L200S 300W	QC																				
L250S 225W	Soil	14	179	6	36	0.6	10	5	96	2.98	4	<2	9	<0.5	<3	<3	77	0.05	0.070	4	26
REP L250S 225W	QC	14	177	<3	36	0.6	10	5	98	2.97	4	<2	9	<0.5	<3	<3	77	0.06	0.067	4	26
Reference Materials																					
STD DS10	Standard	12	150	145	363	1.9	73	12	884	2.72	45	7	64	2.7	8	12	42	1.05	0.077	15	54

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QUALITY CONTROL REPORT VAN14003580.2

	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ115
	Analyte	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Au
	Unit	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	ppb
	MDL	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.5
Pulp Duplicates															
L400N 000W	Soil	0.98	83	0.109	<20	3.03	<0.01	0.08	<2	<0.05	<1	<5	6	6	<0.5
REP L400N 000W	QC	0.97	84	0.110	<20	3.10	<0.01	0.08	<2	<0.05	<1	<5	6	6	
L350N 350W	Soil	0.92	85	0.098	<20	2.39	0.01	0.04	<2	<0.05	<1	<5	5	<5	1.2
REP L350N 350W	QC														2.5
L250N 475W	Soil	0.63	78	0.105	<20	2.34	<0.01	0.06	<2	0.06	<1	<5	6	<5	<0.5
REP L250N 475W	QC	0.62	77	0.104	<20	2.37	<0.01	0.06	<2	0.06	<1	<5	<5	<5	
L250N 200W	Soil	0.37	42	0.104	<20	2.48	<0.01	0.04	<2	0.07	<1	<5	7	<5	<0.5
REP L250N 200W	QC														1.1
L150N 325W	Soil	0.40	83	0.157	<20	1.88	0.01	0.14	2	0.10	<1	<5	11	<5	2.4
REP L150N 325W	QC	0.40	82	0.157	<20	1.88	0.01	0.14	<2	0.10	<1	<5	11	<5	
L150N 175W	Soil	0.42	50	0.113	<20	2.71	<0.01	0.04	<2	0.06	<1	<5	8	<5	1.3
REP L150N 175W	QC														<0.5
L050N 475W	Soil	0.75	286	0.151	<20	2.71	0.01	0.26	<2	0.21	<1	<5	<5	6	2.0
REP L050N 475W	QC	0.76	287	0.152	<20	2.75	0.01	0.26	<2	0.22	<1	<5	<5	6	
L050N 300W	Soil	0.11	41	0.098	<20	1.31	0.01	0.02	<2	<0.05	<1	<5	<5	<5	0.8
REP L050N 300W	QC														0.6
L050S 450W	Soil	0.64	188	0.128	<20	2.52	0.01	0.11	<2	0.10	<1	<5	10	<5	1.7
REP L050S 450W	QC	0.66	193	0.129	<20	2.61	0.01	0.11	<2	0.11	<1	<5	10	<5	
L050S 250W	Soil	0.66	116	0.150	<20	2.48	0.01	0.11	<2	0.10	<1	<5	10	6	<0.5
REP L050S 250W	QC														1.0
L200S 525W	Soil	0.48	66	0.108	<20	1.46	0.01	0.06	<2	0.06	<1	<5	<5	<5	0.6
REP L200S 525W	QC	0.52	72	0.113	<20	1.61	0.01	0.06	<2	0.06	<1	<5	<5	<5	
L200S 300W	Soil	0.55	65	0.116	<20	2.53	<0.01	0.06	<2	<0.05	<1	<5	<5	<5	1.6
REP L200S 300W	QC														<0.5
L250S 225W	Soil	0.44	50	0.134	<20	2.73	0.01	0.05	<2	<0.05	<1	<5	<5	<5	<0.5
REP L250S 225W	QC	0.44	49	0.136	<20	2.68	0.01	0.05	<2	<0.05	<1	<5	<5	<5	
Reference Materials															
STD DS10	Standard	0.76	424	0.070	<20	0.99	0.06	0.34	<2	0.28	<1	<5	<5	<5	

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QUALITY CONTROL REPORT VAN14003580.2

		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
		1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	1
STD DS10	Standard	12	154	151	372	1.9	75	12	904	2.78	47	7	64	2.7	6	11	42	1.07	0.078	15	54
STD DS10	Standard	14	145	143	360	1.8	70	11	850	2.66	42	5	66	2.3	8	11	41	1.03	0.072	16	50
STD DS10	Standard	13	153	152	361	1.8	72	11	872	2.68	45	5	66	2.2	8	12	42	1.05	0.074	15	51
STD DS10	Standard	15	158	153	387	1.8	80	13	954	2.93	50	8	71	2.6	6	12	47	1.14	0.080	17	56
STD DS10	Standard	12	152	153	371	1.8	72	12	882	2.73	46	6	66	2.4	8	10	42	1.05	0.074	15	51
STD DS10	Standard	13	151	150	364	1.8	69	11	859	2.64	44	6	65	2.3	8	12	40	1.03	0.072	15	49
STD OREAS45EA	Standard	3	684	10	27	<0.3	382	54	403	23.57	9	10	4	0.6	<3	<3	302	0.03	0.030	7	837
STD OREAS45EA	Standard	3	681	12	27	<0.3	377	55	408	23.59	8	11	4	<0.5	<3	<3	303	0.03	0.031	7	838
STD OREAS45EA	Standard	2	656	14	30	<0.3	362	44	371	19.54	11	7	3	2.0	<3	<3	281	0.03	0.027	7	813
STD OREAS45EA	Standard	2	654	19	30	<0.3	377	45	375	19.79	11	7	3	0.9	<3	<3	285	0.03	0.027	6	827
STD OREAS45EA	Standard	4	746	10	28	<0.3	422	59	432	25.54	10	11	4	<0.5	<3	<3	320	0.03	0.032	7	885
STD OREAS45EA	Standard	2	666	19	30	<0.3	371	46	381	20.90	10	8	4	0.6	<3	<3	295	0.03	0.028	7	849
STD OREAS45EA	Standard	2	656	20	30	<0.3	361	44	373	20.07	11	8	3	1.7	<3	<3	285	0.03	0.027	7	821
STD OREAS901	Standard																				
STD OREAS901	Standard																				
STD OREAS901	Standard																				
STD OREAS901	Standard																				
STD OREAS901	Standard																				
STD OREAS901	Standard																				
STD OREAS901	Standard																				
STD DS10 Expected		13.6	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765	17.5	54.6
STD OREAS45EA Expected		1.6	709	14.3	31.4	0.26	381	52	400	23.51	10	10.7	3.5				303	0.036	0.029	7.06	849
STD OREAS901 Expected																					
BLK	Blank	<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1	<1
BLK	Blank	<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1	<1
BLK	Blank	<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1	<1
BLK	Blank	<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1	<1
BLK	Blank	<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1	<1
BLK	Blank	<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1	<1

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QUALITY CONTROL REPORT VAN14003580.2

		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ115
		Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Au
		%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	ppb
		0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.5
STD DS10	Standard	0.78	426	0.069	<20	1.00	0.06	0.34	3	0.29	<1	10	<5	<5	
STD DS10	Standard	0.75	414	0.078	<20	1.01	0.06	0.32	4	0.28	<1	<5	<5	<5	
STD DS10	Standard	0.77	425	0.076	<20	1.01	0.06	0.33	2	0.29	<1	5	7	<5	
STD DS10	Standard	0.83	462	0.080	<20	1.11	0.07	0.36	3	0.30	<1	<5	6	<5	
STD DS10	Standard	0.77	428	0.077	<20	1.01	0.06	0.33	2	0.29	<1	<5	<5	<5	
STD DS10	Standard	0.75	416	0.076	<20	0.99	0.06	0.32	2	0.28	<1	<5	<5	<5	
STD OREAS45EA	Standard	0.10	150	0.092	<20	3.06	0.01	0.05	<2	<0.05	<1	<5	<5	83	
STD OREAS45EA	Standard	0.10	155	0.091	<20	3.04	0.02	0.05	<2	<0.05	<1	<5	<5	83	
STD OREAS45EA	Standard	0.07	139	0.094	<20	3.01	0.02	0.05	<2	<0.05	<1	<5	11	79	
STD OREAS45EA	Standard	0.07	142	0.094	<20	3.02	0.02	0.05	<2	<0.05	<1	<5	15	80	
STD OREAS45EA	Standard	0.11	158	0.102	<20	3.43	0.02	0.06	<2	<0.05	<1	<5	<5	91	
STD OREAS45EA	Standard	0.07	146	0.098	<20	2.98	0.02	0.05	<2	<0.05	<1	<5	6	80	
STD OREAS45EA	Standard	0.07	142	0.097	<20	2.94	0.02	0.05	<2	<0.05	<1	<5	<5	78	
STD OREAS901	Standard														392.6
STD OREAS901	Standard														368.9
STD OREAS901	Standard														382.0
STD OREAS901	Standard														402.7
STD OREAS901	Standard														379.5
STD OREAS901	Standard														393.8
STD OREAS901	Standard														401.8
STD DS10 Expected		0.775	412	0.0817		1.0259	0.067	0.338	3.32	0.29	0.3	5.1	4.3	2.8	
STD OREAS45EA Expected		0.095	148	0.0984		3.13	0.02	0.053		0.036			12.4	78	
STD OREAS901 Expected															363
BLK	Blank	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5	
BLK	Blank	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5	
BLK	Blank	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5	
BLK	Blank	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5	
BLK	Blank	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5	
BLK	Blank	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5	

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **Martech Industries Inc.**
2680 Cambridge St.
Vancouver BC V5K 1L5 CANADA

Project: Whipsaw
Report Date: February 11, 2016

QUALITY CONTROL REPORT VAN14003580.2

		AQ300 Mo ppm 1	AQ300 Cu ppm 1	AQ300 Pb ppm 3	AQ300 Zn ppm 1	AQ300 Ag ppm 0.3	AQ300 Ni ppm 1	AQ300 Co ppm 1	AQ300 Mn ppm 2	AQ300 Fe % 0.01	AQ300 As ppm 2	AQ300 Th ppm 2	AQ300 Sr ppm 1	AQ300 Cd ppm 0.5	AQ300 Sb ppm 3	AQ300 Bi ppm 3	AQ300 V ppm 1	AQ300 Ca % 0.01	AQ300 P % 0.001	AQ300 La ppm 1	AQ300 Cr ppm 1
BLK	Blank	<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1	<1
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
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QUALITY CONTROL REPORT VAN14003580.2

		AQ300 Mg % 0.01	AQ300 Ba ppm 1	AQ300 Ti % 0.001	AQ300 B ppm 20	AQ300 Al % 0.01	AQ300 Na % 0.01	AQ300 K % 0.01	AQ300 W ppm 2	AQ300 S % 0.05	AQ300 Hg ppm 1	AQ300 Tl ppm 5	AQ300 Ga ppm 5	AQ300 Sc ppm 5	AQ115 Au ppb 0.5
BLK	Blank	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5	
BLK	Blank														<0.5
BLK	Blank														<0.5
BLK	Blank														<0.5
BLK	Blank														<0.5
BLK	Blank														<0.5
BLK	Blank														<0.5
BLK	Blank														<0.5

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Client: **Martech Industries Inc.**
2680 Cambridge St.
Vancouver BC V5K 1L5 CANADA

Submitted By: Charles Martin
Receiving Lab: Canada-Vancouver
Received: August 27, 2015
Report Date: February 11, 2016
Page: 1 of 5

CERTIFICATE OF ANALYSIS VAN15002110.2

CLIENT JOB INFORMATION

Project: Whipsaw
Shipment ID:
P.O. Number
Number of Samples: 112

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Bureau Veritas 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

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	111	Dry at 60C			VAN
SS80	111	Dry at 60C sieve 100g to -80 mesh			VAN
AQ300	111	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
DRPLP	111	Warehouse handling / disposition of pulps			VAN
AQ115	111	Acid digest, Au by ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Version 2 : AQ115 included.

Invoice To: Martech Industries Inc.
2680 Cambridge St.
Vancouver BC V5K 1L5
CANADA

CC: Jim Chapman

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory 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. Bureau Veritas 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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2680 Cambridge St.
Vancouver BC V5K 1L5 CANADA

Project: Whipsaw
Report Date: February 11, 2016

CERTIFICATE OF ANALYSIS VAN15002110.2

		Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
		MDL	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	1
L400N/5+25W	Soil		4	193	8	33	<0.3	7	18	137	0.24	<2	<2	213	0.6	<3	<3	2	1.66	0.092	2	<1
L400N/5+50W	Soil		2	16	12	25	<0.3	1	<1	147	0.07	<2	<2	62	<0.5	<3	<3	2	0.64	0.096	<1	<1
L400N/5+75W	Soil		28	195	7	30	0.3	9	6	23	0.17	<2	<2	237	0.7	<3	<3	6	1.44	0.090	2	<1
L400N/6+00W	Soil		8	59	6	44	<0.3	20	8	151	2.17	<2	<2	28	<0.5	<3	<3	54	0.15	0.046	3	42
L400N/6+25W	Soil		6	97	5	48	0.8	20	8	263	2.73	4	<2	15	<0.5	<3	<3	64	0.15	0.100	3	45
L400N/6+50W	Soil		5	84	5	39	0.5	17	8	196	2.65	3	<2	9	<0.5	<3	<3	63	0.07	0.073	3	39
L400N/6+75W	Soil		4	69	4	38	0.5	17	7	162	2.75	2	<2	8	<0.5	<3	<3	65	0.07	0.075	3	41
L400N/7+00W	Soil		4	74	6	52	0.4	21	9	243	2.71	2	<2	12	<0.5	<3	<3	62	0.10	0.069	3	43
L400N/7+25W	Soil		4	136	5	86	0.4	24	13	299	2.92	<2	<2	15	<0.5	<3	<3	68	0.12	0.069	4	47
L400N/7+50W	Soil		5	137	6	100	<0.3	29	14	283	2.93	<2	<2	16	<0.5	<3	<3	69	0.13	0.041	5	57
L400N/7+75W	Soil		4	71	6	34	0.4	15	7	143	2.05	<2	<2	26	<0.5	<3	<3	43	0.14	0.049	4	32
L400N/8+00W	Soil		8	118	6	41	0.4	18	8	154	2.86	<2	<2	18	<0.5	<3	<3	63	0.11	0.053	3	37
L400N/8+25W	Soil		10	131	5	47	0.4	21	12	253	2.74	3	<2	21	<0.5	<3	<3	66	0.13	0.054	4	44
L400N/8+50W	Soil		7	123	5	49	0.4	19	18	360	2.47	<2	<2	30	<0.5	<3	<3	59	0.15	0.044	5	39
L400N/8+75W	Soil		6	139	6	51	0.5	19	11	221	2.78	<2	<2	31	<0.5	<3	<3	65	0.16	0.045	5	40
L400N/9+00W	Soil		7	215	6	67	0.6	19	26	439	3.00	<2	<2	27	<0.5	<3	<3	74	0.14	0.052	5	41
L350N/5+25W	Soil		11	479	5	29	0.5	11	5	61	1.08	3	<2	39	<0.5	<3	<3	25	0.33	0.067	21	16
L350N/5+50W	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L350N/5+75W	Soil		19	375	4	62	<0.3	40	19	406	4.12	4	<2	22	<0.5	<3	<3	90	0.18	0.108	5	84
L350N/6+00W	Soil		4	125	5	39	<0.3	18	8	177	2.76	3	<2	12	<0.5	<3	<3	64	0.08	0.098	3	38
L350N/6+25W	Soil		5	138	5	42	<0.3	21	8	164	2.95	3	<2	17	<0.5	<3	<3	67	0.08	0.095	4	44
L350N/6+50W	Soil		5	119	5	39	<0.3	20	8	178	2.99	3	<2	32	<0.5	<3	<3	66	0.07	0.066	5	45
L350N/6+75W	Soil		4	167	5	54	<0.3	26	12	202	3.42	3	<2	23	<0.5	<3	<3	74	0.09	0.081	5	54
L350N/7+00W	Soil		3	62	5	50	0.6	26	10	244	3.02	3	<2	12	<0.5	<3	<3	69	0.09	0.084	3	57
L350N/7+25W	Soil		2	81	6	50	<0.3	28	10	208	2.68	<2	<2	19	<0.5	<3	<3	61	0.14	0.074	3	58
L350N/7+50W	Soil		3	210	6	78	<0.3	25	11	212	2.55	<2	<2	19	<0.5	<3	<3	56	0.14	0.053	4	49
L350N/7+75W	Soil		6	146	4	127	0.3	30	17	601	2.83	<2	<2	21	<0.5	<3	<3	65	0.18	0.062	4	56
L350N/8+00W	Soil		6	99	5	49	<0.3	21	11	219	2.50	2	<2	26	<0.5	<3	<3	56	0.17	0.054	3	41
L350N/8+25W	Soil		8	142	5	53	1.4	22	11	190	2.93	2	<2	15	<0.5	<3	<3	68	0.11	0.072	3	43
L350N/8+50W	Soil		5	111	5	47	0.4	19	8	185	2.71	<2	<2	16	<0.5	<3	<3	62	0.10	0.084	4	38

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2680 Cambridge St.
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Project: Whipsaw
Report Date: February 11, 2016

CERTIFICATE OF ANALYSIS VAN15002110.2

	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ115
	Analyte	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Au
	Unit	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	ppb
	MDL	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.5
L400N/5+25W	Soil	0.09	263	0.001	<20	0.22	0.02	0.07	<2	1.03	<1	<5	<5	<5	0.6
L400N/5+50W	Soil	0.05	94	0.002	<20	0.05	0.01	0.16	<2	0.13	<1	<5	<5	<5	1.4
L400N/5+75W	Soil	0.09	383	0.003	<20	0.32	0.02	0.06	<2	0.46	<1	<5	<5	<5	<0.5
L400N/6+00W	Soil	0.80	144	0.087	<20	1.30	<0.01	0.04	<2	<0.05	<1	<5	9	<5	<0.5
L400N/6+25W	Soil	0.71	93	0.071	<20	2.09	<0.01	0.05	<2	<0.05	<1	<5	8	<5	<0.5
L400N/6+50W	Soil	0.62	52	0.079	<20	2.05	<0.01	0.03	<2	<0.05	<1	<5	11	<5	0.6
L400N/6+75W	Soil	0.66	46	0.082	<20	1.91	<0.01	0.03	<2	<0.05	<1	<5	9	<5	<0.5
L400N/7+00W	Soil	0.83	76	0.065	<20	1.63	<0.01	0.04	<2	<0.05	<1	<5	9	<5	1.2
L400N/7+25W	Soil	0.92	97	0.097	<20	1.81	0.01	0.05	<2	<0.05	<1	<5	12	<5	1.3
L400N/7+50W	Soil	1.15	107	0.101	<20	2.06	<0.01	0.04	<2	<0.05	<1	<5	12	<5	1.4
L400N/7+75W	Soil	0.57	100	0.055	<20	1.33	0.01	0.03	<2	<0.05	<1	<5	8	<5	2.5
L400N/8+00W	Soil	0.68	80	0.084	<20	1.62	<0.01	0.04	<2	<0.05	<1	<5	10	<5	1.6
L400N/8+25W	Soil	0.85	104	0.076	<20	1.75	<0.01	0.05	<2	<0.05	<1	<5	10	<5	4.7
L400N/8+50W	Soil	0.74	126	0.071	<20	1.69	0.01	0.04	<2	<0.05	<1	<5	10	<5	1.9
L400N/8+75W	Soil	0.78	120	0.079	<20	1.74	0.01	0.04	<2	<0.05	<1	<5	12	<5	3.7
L400N/9+00W	Soil	0.86	135	0.099	<20	2.19	0.02	0.06	<2	<0.05	<1	<5	14	<5	5.3
L350N/5+25W	Soil	0.25	161	0.026	<20	1.18	<0.01	0.04	<2	0.47	<1	<5	<5	<5	<0.5
L350N/5+50W	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L350N/5+75W	Soil	1.63	168	0.095	<20	2.95	<0.01	0.24	<2	0.09	<1	<5	8	6	5.1
L350N/6+00W	Soil	0.64	75	0.082	<20	2.04	<0.01	0.05	<2	<0.05	<1	<5	9	<5	1.2
L350N/6+25W	Soil	0.80	108	0.088	<20	2.09	<0.01	0.06	<2	0.08	<1	<5	10	<5	1.5
L350N/6+50W	Soil	0.82	148	0.090	<20	2.20	0.01	0.07	<2	0.08	<1	<5	13	<5	0.9
L350N/6+75W	Soil	0.99	141	0.104	<20	2.56	0.01	0.07	<2	0.06	<1	<5	12	<5	1.8
L350N/7+00W	Soil	1.01	66	0.075	<20	2.26	<0.01	0.04	<2	<0.05	<1	<5	9	<5	5.2
L350N/7+25W	Soil	1.14	83	0.081	<20	1.81	<0.01	0.04	<2	<0.05	<1	<5	12	<5	4.2
L350N/7+50W	Soil	1.00	111	0.091	<20	1.77	0.01	0.04	<2	<0.05	<1	<5	12	<5	6.3
L350N/7+75W	Soil	1.15	169	0.083	<20	2.04	0.01	0.04	<2	<0.05	<1	<5	10	<5	3.0
L350N/8+00W	Soil	0.78	135	0.084	<20	1.54	0.01	0.03	<2	<0.05	<1	<5	9	<5	3.5
L350N/8+25W	Soil	0.86	75	0.091	<20	1.84	<0.01	0.04	<2	<0.05	<1	<5	9	<5	9.7
L350N/8+50W	Soil	0.79	75	0.083	<20	1.89	<0.01	0.04	<2	<0.05	<1	<5	10	<5	4.7

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Project: Whipsaw
Report Date: February 11, 2016

CERTIFICATE OF ANALYSIS VAN15002110.2

	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
	MDL	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	1
L350N/8+75W	Soil	7	128	4	52	0.4	20	9	218	3.15	3	<2	11	<0.5	<3	<3	72	0.08	0.082	3	41
L350N/9+00W	Soil	7	132	5	46	0.5	19	9	157	3.17	4	<2	10	<0.5	<3	<3	74	0.08	0.086	3	40
L300N/5+25W	Soil	13	221	4	35	0.7	15	6	128	2.62	4	<2	13	<0.5	<3	<3	57	0.08	0.069	5	35
L300N/5+50W	Soil	15	383	5	50	<0.3	21	9	174	2.85	2	<2	15	<0.5	<3	<3	65	0.12	0.052	6	44
L300N/5+75W	Soil	10	346	5	43	0.8	20	8	155	2.48	<2	<2	20	<0.5	<3	<3	56	0.12	0.045	8	42
L300N/6+00W	Soil	11	232	5	44	0.4	19	8	169	3.13	3	<2	17	<0.5	<3	<3	67	0.08	0.062	6	40
L300N/6+25W	Soil	5	111	6	44	<0.3	24	10	200	3.07	4	<2	12	<0.5	<3	<3	71	0.08	0.076	4	51
L300N/6+50W	Soil	4	114	5	50	<0.3	30	13	247	3.20	4	<2	15	<0.5	<3	<3	76	0.10	0.070	4	65
L300N/6+75W	Soil	3	135	6	50	0.4	24	10	246	3.51	4	<2	30	<0.5	<3	<3	75	0.09	0.087	6	52
L300N/7+00W	Soil	3	76	5	38	0.3	16	7	153	2.83	<2	<2	11	<0.5	<3	<3	61	0.08	0.086	4	34
L300N/7+25W	Soil	3	247	7	42	0.4	17	7	139	2.49	<2	<2	23	<0.5	<3	<3	50	0.12	0.051	5	36
L300N/7+50W	Soil	4	431	6	79	0.3	20	10	172	2.68	<2	<2	25	<0.5	<3	<3	53	0.16	0.053	6	35
L300N/7+75W	Soil	6	406	6	100	0.3	20	14	274	2.79	4	<2	25	<0.5	<3	<3	60	0.24	0.080	6	35
L300N/8+00W	Soil	5	81	5	46	0.4	15	7	181	2.96	3	<2	12	<0.5	<3	<3	66	0.09	0.122	3	32
L300N/8+25W	Soil	5	106	5	48	<0.3	18	8	186	2.92	4	<2	10	<0.5	<3	<3	67	0.08	0.073	3	37
L300N/8+50W	Soil	7	128	6	47	0.3	17	8	156	2.89	3	<2	14	<0.5	<3	<3	64	0.09	0.074	4	34
L300N/8+75W	Soil	12	227	4	75	<0.3	33	15	287	3.84	4	<2	19	<0.5	<3	<3	85	0.13	0.059	5	67
L300N/9+00W	Soil	9	174	6	51	0.5	19	9	180	3.15	3	<2	16	<0.5	<3	<3	71	0.10	0.080	5	41
L250N/5+25W	Soil	17	149	5	26	0.4	11	5	107	2.76	2	<2	20	<0.5	<3	<3	57	0.09	0.063	7	24
L250N/5+50W	Soil	24	283	5	29	0.4	8	4	101	2.95	<2	<2	11	<0.5	<3	<3	64	0.06	0.042	8	18
L250N/5+75W	Soil	17	74	6	38	0.4	14	6	154	3.01	6	<2	10	<0.5	<3	<3	66	0.06	0.097	4	32
L250N/6+00W	Soil	9	147	4	56	<0.3	29	12	239	3.36	7	<2	13	<0.5	<3	<3	79	0.09	0.092	4	61
L250N/6+25W	Soil	11	210	5	55	<0.3	28	12	249	3.38	4	<2	21	<0.5	<3	<3	77	0.09	0.077	9	62
L250N/6+50W	Soil	10	134	4	50	0.4	27	11	209	3.45	6	<2	13	<0.5	<3	<3	77	0.08	0.071	5	59
L250N/6+75W	Soil	10	103	6	44	<0.3	19	8	161	3.18	7	<2	12	<0.5	<3	<3	70	0.09	0.092	5	39
L250N/7+00W	Soil	12	166	6	63	0.4	22	9	167	3.27	12	<2	12	<0.5	<3	<3	69	0.08	0.094	4	44
L250N/7+25W	Soil	8	150	6	47	<0.3	18	8	150	3.04	3	<2	18	<0.5	<3	<3	64	0.09	0.050	5	35
L250N/7+50W	Soil	9	76	7	36	0.3	10	5	105	2.89	4	<2	10	<0.5	<3	<3	61	0.06	0.061	4	21
L250N/7+75W	Soil	5	121	7	41	0.3	10	5	109	2.79	3	<2	14	<0.5	<3	<3	58	0.06	0.057	5	21
L250N/8+00W	Soil	6	91	5	39	0.4	9	4	106	3.05	4	<2	9	<0.5	<3	<3	65	0.06	0.096	4	21

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Project: Whipsaw
Report Date: February 11, 2016

CERTIFICATE OF ANALYSIS VAN15002110.2

	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ115
	Analyte	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Au
	Unit	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	ppb
	MDL	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.5
L350N/8+75W	Soil	0.75	81	0.075	<20	1.98	<0.01	0.04	3	<0.05	<1	<5	10	<5	5.0
L350N/9+00W	Soil	0.69	74	0.088	<20	2.10	<0.01	0.04	<2	<0.05	<1	<5	10	<5	3.6
L300N/5+25W	Soil	0.59	89	0.082	<20	1.47	<0.01	0.05	<2	<0.05	<1	<5	10	<5	0.9
L300N/5+50W	Soil	0.87	89	0.099	<20	1.70	0.01	0.05	<2	<0.05	<1	<5	11	<5	1.3
L300N/5+75W	Soil	0.86	109	0.099	<20	1.59	0.01	0.05	<2	<0.05	<1	<5	10	<5	5.1
L300N/6+00W	Soil	0.76	115	0.101	<20	2.07	<0.01	0.06	<2	0.06	<1	<5	13	<5	4.8
L300N/6+25W	Soil	0.87	73	0.090	<20	2.32	<0.01	0.04	<2	<0.05	<1	<5	11	<5	2.1
L300N/6+50W	Soil	1.15	66	0.075	<20	2.35	<0.01	0.05	<2	<0.05	<1	<5	12	<5	0.8
L300N/6+75W	Soil	0.95	175	0.089	<20	2.55	0.01	0.11	<2	0.15	<1	<5	14	<5	3.5
L300N/7+00W	Soil	0.65	80	0.104	<20	1.99	<0.01	0.05	<2	<0.05	<1	<5	14	<5	1.8
L300N/7+25W	Soil	0.76	137	0.103	<20	1.60	0.02	0.06	<2	0.06	<1	<5	12	<5	3.5
L300N/7+50W	Soil	0.74	137	0.102	<20	1.68	0.02	0.05	<2	<0.05	<1	<5	13	<5	6.5
L300N/7+75W	Soil	0.79	154	0.079	<20	1.79	0.01	0.04	<2	<0.05	<1	<5	12	<5	4.4
L300N/8+00W	Soil	0.60	97	0.098	<20	1.99	0.01	0.05	<2	<0.05	<1	<5	12	<5	2.5
L300N/8+25W	Soil	0.67	58	0.090	<20	2.08	0.01	0.03	<2	<0.05	<1	<5	13	<5	10.7
L300N/8+50W	Soil	0.65	90	0.094	<20	1.97	0.01	0.04	<2	<0.05	<1	<5	14	<5	<0.5
L300N/8+75W	Soil	1.34	113	0.103	<20	2.60	0.01	0.06	<2	<0.05	<1	<5	13	<5	6.9
L300N/9+00W	Soil	0.75	90	0.085	<20	2.27	0.01	0.05	<2	<0.05	<1	<5	10	<5	2.6
L250N/5+25W	Soil	0.46	114	0.111	<20	1.40	0.01	0.07	<2	0.07	<1	<5	15	<5	8.0
L250N/5+50W	Soil	0.46	90	0.138	<20	1.92	0.01	0.07	<2	<0.05	<1	<5	16	<5	1.2
L250N/5+75W	Soil	0.57	108	0.104	<20	2.10	0.01	0.05	<2	0.06	<1	<5	14	<5	4.7
L250N/6+00W	Soil	1.02	85	0.099	<20	2.56	0.01	0.04	<2	<0.05	<1	<5	13	<5	1.5
L250N/6+25W	Soil	1.05	138	0.102	<20	2.45	0.01	0.06	<2	0.05	<1	<5	13	<5	3.4
L250N/6+50W	Soil	1.02	100	0.092	<20	2.51	<0.01	0.04	<2	<0.05	<1	<5	12	<5	12.0
L250N/6+75W	Soil	0.75	93	0.098	<20	2.00	<0.01	0.05	<2	<0.05	<1	<5	13	<5	2.3
L250N/7+00W	Soil	0.79	87	0.091	<20	2.21	<0.01	0.05	<2	<0.05	<1	<5	12	<5	<0.5
L250N/7+25W	Soil	0.73	141	0.109	<20	1.87	0.01	0.05	<2	<0.05	<1	<5	15	<5	3.5
L250N/7+50W	Soil	0.43	99	0.109	<20	1.77	0.01	0.04	<2	<0.05	<1	<5	13	<5	5.9
L250N/7+75W	Soil	0.44	152	0.117	<20	1.58	0.01	0.05	<2	<0.05	<1	<5	14	<5	5.7
L250N/8+00W	Soil	0.44	75	0.105	<20	2.05	0.01	0.04	<2	<0.05	<1	<5	15	<5	15.2

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Project: Whipsaw
Report Date: February 11, 2016

CERTIFICATE OF ANALYSIS VAN15002110.2

		Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
		MDL	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	1
L250N/8+25W	Soil		6	76	6	31	0.6	10	4	106	2.55	4	<2	11	<0.5	<3	<3	58	0.07	0.102	3	23
L250N/8+50W	Soil		7	65	7	33	0.3	7	3	92	2.92	7	<2	10	<0.5	<3	<3	57	0.04	0.081	5	14
L250N/8+75W	Soil		9	105	6	43	<0.3	10	5	122	3.15	4	<2	12	<0.5	<3	<3	66	0.06	0.066	5	22
L250N/9+00W	Soil		9	104	6	44	<0.3	11	5	150	3.28	5	<2	13	<0.5	<3	<3	68	0.07	0.095	5	26
L200N/5+25W	Soil		9	173	5	40	<0.3	24	10	183	3.16	4	<2	23	<0.5	<3	<3	73	0.08	0.073	5	54
L200N/5+50W	Soil		20	455	4	59	0.3	39	18	319	4.56	5	2	34	<0.5	<3	<3	101	0.12	0.091	8	92
L200N/5+75W	Soil		11	88	6	35	<0.3	12	5	178	3.08	3	<2	15	<0.5	<3	<3	64	0.07	0.099	5	25
L200N/6+00W	Soil		14	145	5	43	0.3	21	9	176	3.16	4	<2	15	<0.5	<3	<3	72	0.09	0.077	5	45
L200N/6+25W	Soil		22	93	6	32	0.5	7	4	111	3.11	13	<2	9	<0.5	<3	<3	60	0.06	0.084	5	14
L200N/6+50W	Soil		14	38	6	29	0.3	4	2	90	2.65	6	<2	8	<0.5	<3	<3	55	0.05	0.076	3	7
L200N/6+75W	Soil		16	73	6	30	0.5	3	3	87	2.63	11	<2	14	<0.5	<3	<3	53	0.08	0.103	4	4
L200N/7+00W	Soil		14	122	6	32	0.7	6	3	97	2.87	15	<2	10	<0.5	<3	<3	58	0.06	0.074	6	12
L200N/7+25W	Soil		7	80	7	35	<0.3	7	3	82	2.57	3	<2	7	<0.5	<3	<3	53	0.05	0.064	3	17
L200N/7+50W	Soil		8	131	6	38	<0.3	13	6	130	3.03	5	<2	11	<0.5	<3	<3	61	0.06	0.078	4	26
L200N/7+75W	Soil		5	53	6	26	<0.3	6	3	90	2.39	3	<2	12	<0.5	<3	<3	50	0.06	0.079	3	14
L200N/8+00W	Soil		7	137	8	43	0.3	6	5	85	3.04	22	<2	11	<0.5	<3	<3	50	0.05	0.091	7	8
L200N/8+25W	Soil		8	96	7	36	0.4	8	4	106	3.10	8	<2	14	<0.5	<3	<3	58	0.05	0.092	5	19
L200N/8+50W	Soil		8	96	6	35	0.3	9	4	113	3.01	5	<2	9	<0.5	<3	<3	63	0.05	0.095	4	20
L200N/8+75W	Soil		8	92	7	32	0.5	9	4	117	2.80	4	<2	13	<0.5	<3	<3	60	0.06	0.084	4	22
L200N/9+00W	Soil		9	107	6	38	0.5	11	5	118	3.22	5	<2	15	<0.5	<3	<3	69	0.08	0.082	3	27
L150N/5+25W	Soil		23	738	6	24	1.8	11	5	102	2.37	6	<2	17	<0.5	<3	<3	43	0.07	0.064	23	26
L150N/5+50W	Soil		8	123	5	34	0.4	17	7	137	3.13	4	<2	18	<0.5	<3	<3	69	0.06	0.063	6	41
L150N/5+75W	Soil		22	73	6	27	<0.3	8	4	106	3.58	4	<2	12	<0.5	<3	<3	61	0.04	0.083	4	21
L150N/6+00W	Soil		11	101	6	36	<0.3	12	5	139	3.03	4	<2	15	<0.5	<3	<3	66	0.06	0.085	5	28
L150N/6+25W	Soil		20	124	5	35	0.6	7	3	119	4.98	3	<2	59	<0.5	<3	<3	79	0.06	0.132	5	18
L150N/6+50W	Soil		22	117	7	31	0.4	11	5	114	3.51	4	<2	17	<0.5	<3	<3	71	0.05	0.080	7	32
L150N/6+75W	Soil		23	48	6	25	0.3	4	3	71	2.72	4	2	8	<0.5	<3	<3	58	0.04	0.047	4	10
L150N/7+00W	Soil		19	70	5	32	0.6	6	4	98	3.01	5	<2	10	<0.5	<3	<3	65	0.05	0.061	4	13
L150N/7+25W	Soil		7	42	6	21	0.5	4	2	58	2.37	2	<2	7	<0.5	<3	<3	52	0.04	0.051	4	13
L150N/7+50W	Soil		7	88	6	25	0.5	8	4	79	2.55	4	<2	7	<0.5	<3	<3	55	0.04	0.062	4	19

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Method		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ115
Analyte		Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Au
Unit		%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	ppb
MDL		0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.5
L250N/8+25W	Soil	0.44	68	0.084	<20	1.64	0.01	0.04	<2	<0.05	<1	<5	11	<5	1.1
L250N/8+50W	Soil	0.31	103	0.092	<20	1.86	0.01	0.04	<2	<0.05	<1	<5	13	<5	2.6
L250N/8+75W	Soil	0.49	108	0.115	<20	1.89	0.01	0.05	4	0.05	<1	<5	12	<5	1.9
L250N/9+00W	Soil	0.52	119	0.109	<20	2.09	0.01	0.06	<2	0.05	<1	<5	12	<5	3.0
L200N/5+25W	Soil	0.89	130	0.101	<20	2.65	0.01	0.05	<2	0.06	<1	<5	9	<5	2.4
L200N/5+50W	Soil	1.59	210	0.123	<20	2.96	0.01	0.15	<2	0.12	<1	<5	9	9	3.8
L200N/5+75W	Soil	0.54	178	0.125	<20	2.02	0.01	0.07	<2	0.06	<1	<5	11	<5	0.6
L200N/6+00W	Soil	0.75	102	0.106	<20	2.55	0.01	0.04	<2	<0.05	<1	<5	13	<5	0.5
L200N/6+25W	Soil	0.32	82	0.098	<20	2.13	0.01	0.04	<2	0.05	<1	<5	10	<5	2.2
L200N/6+50W	Soil	0.18	84	0.119	<20	1.39	0.01	0.04	<2	<0.05	<1	<5	14	<5	<0.5
L200N/6+75W	Soil	0.17	127	0.111	<20	1.36	0.01	0.06	<2	<0.05	<1	<5	12	<5	<0.5
L200N/7+00W	Soil	0.30	121	0.091	<20	1.55	<0.01	0.05	<2	0.05	<1	<5	10	<5	0.6
L200N/7+25W	Soil	0.28	71	0.099	<20	1.78	0.01	0.03	<2	<0.05	<1	<5	10	<5	2.9
L200N/7+50W	Soil	0.60	114	0.088	<20	1.97	<0.01	0.06	<2	<0.05	<1	<5	11	<5	1.7
L200N/7+75W	Soil	0.26	103	0.093	<20	1.63	0.01	0.05	<2	<0.05	<1	<5	11	<5	0.7
L200N/8+00W	Soil	0.20	94	0.052	<20	1.69	<0.01	0.04	<2	<0.05	<1	<5	<5	<5	0.9
L200N/8+25W	Soil	0.37	135	0.082	<20	1.98	0.01	0.05	<2	0.06	<1	<5	10	<5	3.6
L200N/8+50W	Soil	0.39	87	0.096	<20	2.20	0.01	0.04	<2	<0.05	<1	<5	10	<5	2.1
L200N/8+75W	Soil	0.39	102	0.093	<20	1.82	<0.01	0.05	<2	<0.05	<1	<5	12	<5	2.9
L200N/9+00W	Soil	0.45	106	0.099	<20	1.96	<0.01	0.05	<2	<0.05	<1	<5	9	<5	2.7
L150N/5+25W	Soil	0.45	84	0.083	<20	1.96	0.01	0.06	<2	0.08	<1	<5	5	<5	1.2
L150N/5+50W	Soil	0.68	111	0.111	<20	2.21	0.01	0.06	<2	0.06	<1	<5	11	<5	<0.5
L150N/5+75W	Soil	0.37	130	0.118	<20	1.65	<0.01	0.06	<2	0.06	<1	<5	11	<5	5.9
L150N/6+00W	Soil	0.50	130	0.117	<20	2.06	0.01	0.06	<2	0.05	<1	<5	13	<5	0.8
L150N/6+25W	Soil	0.81	207	0.143	<20	3.31	0.04	0.19	<2	0.33	<1	<5	13	5	26.6
L150N/6+50W	Soil	0.57	142	0.137	<20	2.47	0.01	0.07	<2	0.08	<1	<5	12	<5	1.9
L150N/6+75W	Soil	0.25	82	0.126	<20	1.60	0.01	0.04	<2	<0.05	<1	<5	15	<5	10.1
L150N/7+00W	Soil	0.35	113	0.129	<20	1.56	0.01	0.05	<2	<0.05	<1	<5	13	<5	<0.5
L150N/7+25W	Soil	0.19	66	0.105	<20	1.71	0.01	0.03	<2	<0.05	<1	<5	13	<5	2.0
L150N/7+50W	Soil	0.31	71	0.112	<20	1.56	0.01	0.04	<2	<0.05	<1	<5	14	<5	2.1

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Project: Whipsaw
Report Date: February 11, 2016

CERTIFICATE OF ANALYSIS VAN15002110.2

		Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
		MDL	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	1
L150N/7+75W	Soil		8	156	5	36	<0.3	9	5	107	2.57	6	<2	7	<0.5	<3	<3	52	0.05	0.098	7	18
L150N/8+00W	Soil		8	150	4	52	<0.3	15	7	146	3.32	9	<2	9	<0.5	<3	<3	70	0.08	0.121	5	33
L150N/8+25W	Soil		8	148	5	49	<0.3	12	6	137	3.05	8	<2	9	<0.5	<3	<3	63	0.06	0.085	6	24
L150N/8+50W	Soil		6	125	5	45	0.4	10	5	113	3.08	9	<2	8	<0.5	<3	<3	64	0.05	0.099	5	24
L150N/8+75W	Soil		8	132	6	42	<0.3	11	7	131	3.36	11	<2	9	<0.5	<3	<3	66	0.06	0.096	7	27
L150N/9+00W	Soil		7	87	6	32	0.4	8	4	102	2.96	6	<2	10	<0.5	<3	<3	62	0.05	0.082	5	20
L100N/5+25W	Soil		23	368	6	25	0.5	8	4	77	2.99	2	<2	17	<0.5	<3	<3	63	0.06	0.056	4	20
L100N/5+50W	Soil		24	151	5	27	0.5	7	4	78	2.75	2	<2	17	<0.5	<3	<3	59	0.05	0.050	4	16
L100N/5+75W	Soil		33	146	4	27	<0.3	7	4	80	2.93	3	<2	18	<0.5	<3	<3	62	0.06	0.050	5	16
L100N/6+00W	Soil		29	58	6	23	0.4	4	2	99	2.29	<2	<2	16	<0.5	<3	<3	49	0.10	0.071	3	7
L100N/6+25W	Soil		18	72	6	29	<0.3	7	3	83	3.07	3	<2	9	<0.5	<3	<3	61	0.04	0.092	5	15
L100N/6+50W	Soil		19	110	6	30	0.7	5	3	85	3.94	15	<2	36	<0.5	<3	<3	75	0.04	0.104	6	12
L100N/6+75W	Soil		9	78	5	25	0.5	3	2	61	2.69	7	<2	10	<0.5	<3	<3	53	0.05	0.081	4	6
L100N/7+00W	Soil		8	65	5	24	0.5	4	2	65	2.55	8	<2	8	<0.5	<3	<3	52	0.04	0.058	5	9
L100N/7+25W	Soil		13	126	6	38	0.4	8	4	100	3.04	7	<2	16	<0.5	<3	<3	61	0.06	0.103	6	16
L100N/7+50W	Soil		10	146	4	50	<0.3	14	6	146	3.48	7	<2	21	<0.5	<3	<3	74	0.09	0.124	5	32
L100N/7+75W	Soil		8	86	6	29	0.4	7	4	93	2.80	6	<2	10	<0.5	<3	<3	58	0.05	0.081	4	18
L100N/8+00W	Soil		8	86	6	33	0.3	7	3	91	2.97	6	<2	19	<0.5	<3	<3	56	0.05	0.117	6	14
L100N/8+25W	Soil		5	50	7	25	0.4	6	3	80	2.69	4	<2	17	<0.5	<3	<3	53	0.04	0.074	5	13
L100N/8+50W	Soil		6	80	4	28	0.5	6	3	83	2.58	4	<2	10	<0.5	<3	<3	54	0.04	0.090	4	21
L100N/8+75W	Soil		5	99	3	42	0.5	7	5	127	2.78	6	<2	10	<0.5	<3	<3	59	0.05	0.089	4	21
L100N/9+00W	Soil		5	86	4	30	0.5	6	4	87	2.61	4	<2	12	<0.5	<3	<3	54	0.05	0.071	3	18

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Project: Whipsaw
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CERTIFICATE OF ANALYSIS VAN15002110.2

	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ115
	Analyte	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Au
	Unit	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	ppb
	MDL	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.5
L150N/7+75W	Soil	0.36	80	0.100	<20	2.18	<0.01	0.04	<2	<0.05	<1	<5	12	<5	<0.5
L150N/8+00W	Soil	0.62	112	0.113	<20	1.91	<0.01	0.06	<2	<0.05	<1	<5	8	<5	2.3
L150N/8+25W	Soil	0.53	98	0.105	<20	2.14	<0.01	0.06	<2	<0.05	<1	<5	13	<5	5.2
L150N/8+50W	Soil	0.43	80	0.096	<20	2.22	<0.01	0.04	<2	<0.05	<1	<5	12	<5	1.1
L150N/8+75W	Soil	0.43	66	0.110	<20	2.77	<0.01	0.05	<2	<0.05	<1	<5	9	<5	4.0
L150N/9+00W	Soil	0.36	91	0.097	<20	2.10	0.01	0.04	<2	0.05	<1	<5	12	<5	6.8
L100N/5+25W	Soil	0.37	81	0.130	<20	1.63	0.01	0.06	<2	0.06	<1	<5	15	<5	0.7
L100N/5+50W	Soil	0.34	98	0.124	<20	1.59	0.01	0.06	<2	0.06	<1	<5	14	<5	6.3
L100N/5+75W	Soil	0.38	96	0.131	<20	1.93	0.02	0.07	<2	0.07	<1	<5	14	<5	8.6
L100N/6+00W	Soil	0.26	95	0.106	<20	1.56	0.01	0.06	<2	<0.05	<1	<5	13	<5	7.2
L100N/6+25W	Soil	0.37	94	0.141	<20	3.44	0.01	0.06	<2	<0.05	<1	<5	16	<5	11.1
L100N/6+50W	Soil	0.48	293	0.139	<20	1.95	0.02	0.17	<2	0.23	<1	<5	14	<5	1.0
L100N/6+75W	Soil	0.19	79	0.108	<20	1.28	0.01	0.04	<2	<0.05	<1	<5	14	<5	8.9
L100N/7+00W	Soil	0.21	93	0.114	<20	1.77	0.01	0.04	<2	<0.05	<1	<5	11	<5	3.0
L100N/7+25W	Soil	0.39	144	0.097	<20	1.84	0.01	0.08	<2	0.10	<1	<5	9	<5	8.2
L100N/7+50W	Soil	0.68	185	0.126	<20	2.17	0.01	0.10	<2	0.11	<1	<5	15	<5	5.5
L100N/7+75W	Soil	0.33	90	0.084	<20	1.92	0.01	0.04	<2	<0.05	<1	<5	11	<5	0.9
L100N/8+00W	Soil	0.33	144	0.093	<20	1.59	0.01	0.07	<2	0.10	<1	<5	14	<5	2.0
L100N/8+25W	Soil	0.26	129	0.081	<20	1.80	0.01	0.05	<2	0.07	<1	<5	11	<5	4.3
L100N/8+50W	Soil	0.32	73	0.088	<20	2.02	<0.01	0.04	<2	<0.05	<1	<5	6	<5	2.6
L100N/8+75W	Soil	0.36	93	0.100	<20	2.08	<0.01	0.04	<2	<0.05	<1	<5	6	<5	7.7
L100N/9+00W	Soil	0.33	91	0.084	<20	1.81	<0.01	0.05	<2	<0.05	<1	<5	5	<5	6.9

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Project: Whipsaw
Report Date: February 11, 2016

QUALITY CONTROL REPORT VAN15002110.2

	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
	MDL	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	1
Pulp Duplicates																					
L400N/6+75W	Soil	4	69	4	38	0.5	17	7	162	2.75	2	<2	8	<0.5	<3	<3	65	0.07	0.075	3	41
REP L400N/6+75W	QC	4	71	5	39	0.6	18	7	164	2.81	3	<2	8	<0.5	<3	<3	66	0.08	0.077	3	42
L350N/6+50W	Soil	5	119	5	39	<0.3	20	8	178	2.99	3	<2	32	<0.5	<3	<3	66	0.07	0.066	5	45
REP L350N/6+50W	QC																				
L300N/8+00W	Soil	5	81	5	46	0.4	15	7	181	2.96	3	<2	12	<0.5	<3	<3	66	0.09	0.122	3	32
REP L300N/8+00W	QC	4	80	5	45	0.4	15	7	176	2.88	3	<2	12	<0.5	<3	<3	64	0.09	0.121	3	30
L250N/7+75W	Soil	5	121	7	41	0.3	10	5	109	2.79	3	<2	14	<0.5	<3	<3	58	0.06	0.057	5	21
REP L250N/7+75W	QC																				
L200N/9+00W	Soil	9	107	6	38	0.5	11	5	118	3.22	5	<2	15	<0.5	<3	<3	69	0.08	0.082	3	27
REP L200N/9+00W	QC	10	107	7	39	0.5	11	5	118	3.25	5	<2	15	<0.5	<3	<3	70	0.08	0.082	4	29
L150N/9+00W	Soil	7	87	6	32	0.4	8	4	102	2.96	6	<2	10	<0.5	<3	<3	62	0.05	0.082	5	20
REP L150N/9+00W	QC																				
L100N/9+00W	Soil	5	86	4	30	0.5	6	4	87	2.61	4	<2	12	<0.5	<3	<3	54	0.05	0.071	3	18
REP L100N/9+00W	QC	5	85	3	29	0.5	6	4	86	2.61	4	<2	12	<0.5	<3	<3	53	0.05	0.070	3	18
Reference Materials																					
STD DS10	Standard	12	149	145	362	2.0	72	12	873	2.67	46	7	65	2.4	9	13	41	1.06	0.075	15	49
STD DS10	Standard	12	153	142	367	2.1	70	12	873	2.71	44	7	65	2.5	10	12	42	1.06	0.076	15	49
STD DS10	Standard	12	149	146	362	1.9	70	12	872	2.67	45	7	65	2.3	9	11	41	1.05	0.075	15	47
STD DS10	Standard	11	143	137	353	1.9	67	12	858	2.58	43	6	61	2.5	8	11	39	1.01	0.073	14	49
STD OREAS45EA	Standard	2	660	14	31	<0.3	374	53	392	20.84	5	12	4	0.7	7	<3	300	0.03	0.029	7	869
STD OREAS45EA	Standard	2	678	14	32	<0.3	383	53	395	21.25	7	12	4	1.1	8	4	304	0.03	0.030	8	882
STD OREAS45EA	Standard	2	672	14	31	<0.3	376	53	393	20.86	6	11	4	0.6	7	5	300	0.03	0.030	7	869
STD OREAS45EA	Standard	<1	632	13	25	0.3	346	51	388	19.67	4	8	4	1.1	<3	<3	282	0.04	0.028	6	796
STD OREAS901	Standard																				
STD OREAS901	Standard																				
STD OREAS901	Standard																				
STD OREAS901	Standard																				
STD DS10 Expected		13.6	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765	17.5	54.6

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Project: Whipsaw
Report Date: February 11, 2016

QUALITY CONTROL REPORT VAN15002110.2

	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ115
	Analyte	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Au
	Unit	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	ppb
	MDL	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.5
Pulp Duplicates															
L400N/6+75W	Soil	0.66	46	0.082	<20	1.91	<0.01	0.03	<2	<0.05	<1	<5	9	<5	<0.5
REP L400N/6+75W	QC	0.67	46	0.083	<20	1.96	<0.01	0.03	<2	<0.05	<1	<5	9	<5	
L350N/6+50W	Soil	0.82	148	0.090	<20	2.20	0.01	0.07	<2	0.08	<1	<5	13	<5	0.9
REP L350N/6+50W	QC														1.9
L300N/8+00W	Soil	0.60	97	0.098	<20	1.99	0.01	0.05	<2	<0.05	<1	<5	12	<5	2.5
REP L300N/8+00W	QC	0.59	94	0.096	<20	1.95	<0.01	0.04	<2	<0.05	<1	<5	13	<5	
L250N/7+75W	Soil	0.44	152	0.117	<20	1.58	0.01	0.05	<2	<0.05	<1	<5	14	<5	5.7
REP L250N/7+75W	QC														7.1
L200N/9+00W	Soil	0.45	106	0.099	<20	1.96	<0.01	0.05	<2	<0.05	<1	<5	9	<5	2.7
REP L200N/9+00W	QC	0.45	104	0.099	<20	1.93	<0.01	0.05	<2	<0.05	<1	<5	12	<5	
L150N/9+00W	Soil	0.36	91	0.097	<20	2.10	0.01	0.04	<2	0.05	<1	<5	12	<5	6.8
REP L150N/9+00W	QC														1.3
L100N/9+00W	Soil	0.33	91	0.084	<20	1.81	<0.01	0.05	<2	<0.05	<1	<5	5	<5	6.9
REP L100N/9+00W	QC	0.33	90	0.084	<20	1.81	<0.01	0.05	<2	<0.05	<1	<5	<5	<5	9.0
Reference Materials															
STD DS10	Standard	0.76	408	0.070	<20	0.98	0.06	0.33	2	0.29	<1	<5	5	<5	
STD DS10	Standard	0.76	419	0.073	<20	1.00	0.07	0.32	4	0.29	<1	<5	8	<5	
STD DS10	Standard	0.76	411	0.070	<20	0.97	0.06	0.32	2	0.29	<1	<5	7	<5	
STD DS10	Standard	0.73	395	0.066	<20	0.93	0.06	0.32	3	0.27	<1	6	<5	<5	
STD OREAS45EA	Standard	0.09	145	0.094	<20	3.02	0.02	0.05	<2	<0.05	<1	<5	19	80	
STD OREAS45EA	Standard	0.10	146	0.095	<20	3.10	0.02	0.05	<2	<0.05	<1	<5	23	83	
STD OREAS45EA	Standard	0.10	145	0.096	<20	3.06	0.02	0.05	<2	<0.05	<1	<5	19	81	
STD OREAS45EA	Standard	0.09	141	0.089	<20	2.88	0.02	0.05	<2	<0.05	<1	<5	19	74	
STD OREAS901	Standard														393.2
STD OREAS901	Standard														368.9
STD OREAS901	Standard														407.8
STD OREAS901	Standard														388.1
STD DS10 Expected		0.775	412	0.0817		1.0259	0.067	0.338	3.32	0.29	0.3	5.1	4.3	2.8	

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QUALITY CONTROL REPORT VAN15002110.2

		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
		1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	1	1
STD OREAS45EA Expected		1.6	709	14.3	31.4	0.26	381	52	400	23.51	10	10.7	3.5				303	0.036	0.029	7.06	849
STD OREAS901 Expected																					
BLK	Blank	<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1	<1
BLK	Blank	<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1	<1
BLK	Blank	<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1	<1
BLK	Blank	<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1	<1
BLK	Blank																				
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Project: Whipsaw

Report Date: February 11, 2016

QUALITY CONTROL REPORT VAN15002110.2

		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ115
		Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Au
		%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	ppb
		0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.5
STD OREAS45EA Expected		0.095	148	0.0984		3.13	0.02	0.053		0.036			12.4	78	
STD OREAS901 Expected															363
BLK	Blank	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5	
BLK	Blank	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5	
BLK	Blank	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5	
BLK	Blank	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5	
BLK	Blank														<0.5
BLK	Blank														<0.5
BLK	Blank														<0.5
BLK	Blank														<0.5