



ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: 2013 Soil & Rock Geochemical Report on the Ranch Property

TOTAL COST: \$130,808.87

AUTHOR(S): B.K. Bowen and R.A. Lane
SIGNATURE(S):

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NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): n/a
STATEMENT OF WORK EVENT NUMBER(S)/DATE(S): 5473839 and 5474574

YEAR OF WORK: 2013

PROPERTY NAME: Ranch

CLAIM NAME(S) (on which work was done): 518259, 518261, 518266, 518268, 516988

COMMODITIES SOUGHT: Au, Ag, Cu

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 094E 035, 078-079, 085, 091, 099-100, 103, 193-196

MINING DIVISION: Liard
NTS / BCGS: 94E/05, 06, 11, 12
LATITUDE: 57° 28' 16"
LONGITUDE: 127° 22' 58" (at centre of work)
UTM Zone: EASTING: NORTHING:

OWNER(S): Guardsmen Resources Inc

MAILING ADDRESS: 4302 Dundas Street, Burnaby, BC V5C 1B3 Canada

OPERATOR(S) [who paid for the work]: Guardsmen Resources Inc

MAILING ADDRESS: 4302 Dundas Street, Burnaby, BC V5C 1B3 Canada

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude. Jurassic Toodoggone Formation, Hazelton Group; Andesite, Dacite, Rhyolite; High Sulphidation Epithermal Veins, Stockworks, Breccias; Gold, Silver, Copper, Quartz, Barite

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBER: 28887, 27335, 20535, 17655, 17250, 16057, 16056, 16054, 15045

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	354	518259	85,000.00
Silt			
Rock	14	518259, 261, 266, 268; 516988	25,000.00
Other			
DRILLING (total metres, number of holes, size, storage location)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling / Assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale/area)			
PREPATORY / PHYSICAL			
Line/grid (km)			
Legal Surveys (scale, area)			
Road, local access (km)/trail			
Trench (number/metres)			
Other (camp cleanup)		518261, 518268	20,808.87
		TOTAL COST	\$130,808.87

2013
SOIL & ROCK GEOCHEMICAL REPORT

ON THE

RANCH PROPERTY

LIARD MINING DIVISION

BRITISH COLUMBIA

BC Geological Survey
Assessment Report
34605

BCGS MAPS 094E.034, 043, 044, 053 & 054

NTS MAPS 94E/05, 06, 11 & 12

LATITUDE 57°28'16"N AND LONGITUDE 127°22'58"W

STATEMENT OF WORK EVENT #S: 5473839 & 5474574

PREPARED FOR: GUARDSMEN RESOURCES INC
4302 DUNDAS STREET
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DATE: JANUARY 25, 2014

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1. EXECUTIVE SUMMARY

The Ranch property is located in northern British Columbia about 300 km north of Smithers and 60 km northwest of the past-producing Kemess South mine. The property is situated in the Liard Mining Division on map sheets 94E/05, 06, 11 & 12, and is centered at coordinates 57°28'16"N and 127°22'58"W. The property consists of 47 mineral claims totaling 16,386 hectares, or about 164 km². The current 100% owner of record of all 47 claims is Guardsmen Resources Inc. of Burnaby, British Columbia.

The property is underlain mainly by trachyandesite ash-flows to lapilli tuffs of the Adoogacho and Metsantan Members of the Lower Jurassic Toadogone Formation. The volcanic sequence is intruded locally by dikes which are compositionally similar to the volcanic units and may represent feeder systems to them. Felsic dikes and irregular bodies of dacitic, rhyo-dacitic and rhyolitic composition have been encountered in a number of drill holes. These intrusive rocks may be genetically linked to late-stage ore-forming fluids.

Past exploration on the Ranch property identified 19 zones of gold mineralization over a 25 km² area. Three zones have received limited development. In August 1986, Energex Mines Ltd. processed an aggregate of 209 tonnes of high-grade surface ore from the Thesis III A Zone utilizing a 6-tonne per day pilot plant. In 1991, Cheni Gold Mines Inc. mined an aggregate of 59,000 tonnes from three small pits in the Bonanza (Ghost), Thesis III and BV zones. Approximately 41,000 tonnes of ore were transported to and treated at the Lawyers mill and about 10,000 ounces of gold were recovered. No mining equipment remains on the property and all past mining disturbance has been reclaimed, except for the Ghost and BV pits which remain open and water-filled. Some trenches in the Bingo Zone have not been reclaimed.

During the period 1982-2007, Kidd Creek Mines Ltd., Energex Mines Ltd., Christopher James Gold Corp. and several other junior mining companies completed 427 diamond drill holes totaling 34,117.4 m on 14 separate gold-mineralized zones on the Ranch property. The most recent diamond drilling program on the property took place in 2007 by Christopher James.

All known significant gold mineralized zones on the property are hosted by silica-sulphate and silica-sulphide bodies flanked by argillically altered zones. They are controlled by moderately to steeply-dipping fault zones with north-northwesterly, northwesterly and northeasterly orientations. The gold-bearing zones have a crudely elliptical shape and are discontinuous along the controlling fault systems. Alteration is of the high-sulphidation (acid-sulphate) epithermal type, characterized by widespread argillization and silicification of andesite-dacite hosts rocks. Important alteration assemblages include alunite-quartz, hematite-illite-quartz, dickite-quartz, quartz-barite and quartz-pyrite, working inwards and downwards in a typical, zoned epithermal alteration system. Principal ore minerals include argentite, electrum, native

gold and silver and lesser chalcopyrite, galena and sphalerite. Across and adjacent to the property, gold mineralization is known to occur over a vertical range of about 300 m.

In 2013, Mountainside Exploration Management Inc was contracted to carry out a soil geochemical sampling survey, and to revisit and sample a number of the known mineral prospects on the property. Cost of this work totaled \$130,808.87.

In the Albert's Hump area, a 0.65 km by 1.2 km soil geochemical grid provided coverage of a previously unsampled area. A total of 354 soil samples were submitted to Acme Analytical Laboratories Ltd. of Vancouver, B.C. and analyzed by an inductively-coupled plasma mass spectrometry (ICP-MS) method. Analyses for 36 elements including gold were provided. A single station 228.8 ppb Au anomaly in the northwest corner of the grid area remains open to the northwest. There were no significant gold anomalies detected in other parts of the soil grid.

Nine known gold prospects or target areas were examined by the authors during a two-day site visit on September 2 and 3. At seven of these, mainly random chip or select grab samples were collected for the purpose of determining what gold and silver concentrations might accompany a given mineralization type or occurrence. Highlights of this work include a select grab sample of a 15 cm wide barite +/- quartz vein in the Patti Zone which returned fire assay values up to 69.0 g/t Au (2.01 oz. Au per ton). The high gold values confirm reported historical high grade values (to 58.5 g/t Au) in barite veins which cut a large outcrop of intensely silicified rock in the southern part of the Patti Zone.

In the BV pit, a 0.6 meter-long channel sample, collected on the east wall of the pit across the footwall portion of the northeast-dipping BV vein, returned several very high fire assays averaging 267.4 g/t Au (7.80 oz. Au per ton). This result indicates that there may be potential for delineating a small tonnage of high grade material amenable for selective open cut extraction.

Additional work is recommended for the Ranch property. Specific follow-up to the 2013 work program includes:

- The 2013 soil geochemical grid should be extended to the north and west by 0.5 km or more to cover areas that may reveal meaningful geochemical trends related to the isolated anomaly identified in 2013.
- Systematic, detailed channel sampling of the BV Vein, exposed on the east wall of the BV pit, is recommended in order to determine typical or average grades of the mineralized structure at surface. A series of shallow definition diamond drill holes, with collars spaced at intervals of 25 m or less, is recommended as a follow-up program should the results of the channel sampling warrant it.

- In Patti and Steve's zones, and in the area between them, 3D-IP surveys should be completed over an area of about 1 km². Purpose of the survey would be to identify zones of silica +/- sulphides which, if warranted, could be tested by later diamond drilling to determine if they contain potentially economic concentrations of gold +/- silver.
- 1,500 m of excavator trenching is recommended to further evaluate the Mickey, Bonanza North and South Hump Zones. For Mickey and Bonanza North, trenching is required to either upgrade or down-grade these two large target areas, both of which may or may not be related to transported blocks of mineralized rock sourced from an area other than that tested by past drilling or trenching. For the South Hump Zone, initial trenching is warranted to follow-up encouraging surface rock sampling results of earlier workers.
- In the Bingo Zone, a modest 600 m of diamond drilling should be completed in the southeastern part of the zone where, in Hole 88-12, a reported 44 m-long intercept returned average grades of 1.23 g/t Au, 5.68 g/t Ag and 0.29% Cu. The first proposed hole would be a direct twin of Hole 88-12; the other two would be 50 m step-outs from the first hole.

Estimated cost to carry out the above proposed work program is \$500,000.

2. INTRODUCTION

2.1. LOCATION AND ACCESS

The Ranch property is located in northern British Columbia about 300 km north of Smithers and 60 km northwest of the past-producing Kemess South mine (Figures 1 and 2). The property is situated in the Liard Mining Division on map sheets 94E/05, 06, 11 & 12, and is centered at coordinates 57°28'16"N and 127°22'58"W.

The Ranch property consists of 47 MTO (Mineral Titles Online) mineral claims totaling 16,386.01 hectares, or about 164 km². Their current 100% owner of record is Guardsmen Resources Inc. of Burnaby, British Columbia. A property claim map is shown in Figure 3 and a list of the claims, including the tenure number, size and expiry date for each claim, is presented in Table 1. The MTO claims were established online in February through October 2005, February 2006, April 2010, October 2012, and February through August 2013. Their areas are defined by specific coordinates predetermined by British Columbia's on-line staking system. All claims are contiguous and unpatented, and have not undergone a legal survey.

Access to the property from Smithers is by helicopter, a distance of 300 km south of the property. During the 2013 field season, casual helicopter charter based out of the Kemess South mine site (currently on care and maintenance, while owner Aurico Gold Inc. explores its Kemess North Underground copper-gold target) was available on a part-time basis. Road access to the Kemess South mine is via the Omineca Resource Access Road (ORAR), an all-weather gravel road which connects the mine to the supply centers of Mackenzie, Fort St. James and Prince George. Currently there is weekly fixed-wing air service from the mine site's airstrip to Prince George and Smithers.

Future road access to the property, if required, could be via a system of seasonally active and decommissioned gravel roads which lead northwesterly from the Kemess South mine site through to the unmaintained Sturdee airstrip, the Baker mine and Lawyers property and onwards to the Ranch property. The closest equipment staging point is the Sturdee airstrip, the effective northern end of the ORAR. The 'Metsantan Extension' to the Ranch property was decommissioned in 1999-2000 by removing the bridge across the Toodoggone River and culverts between the Lawyers property and Sturdee airstrip. This route could be readily re-commissioned.

2.2. PHYSIOGRAPHY AND CLIMATE

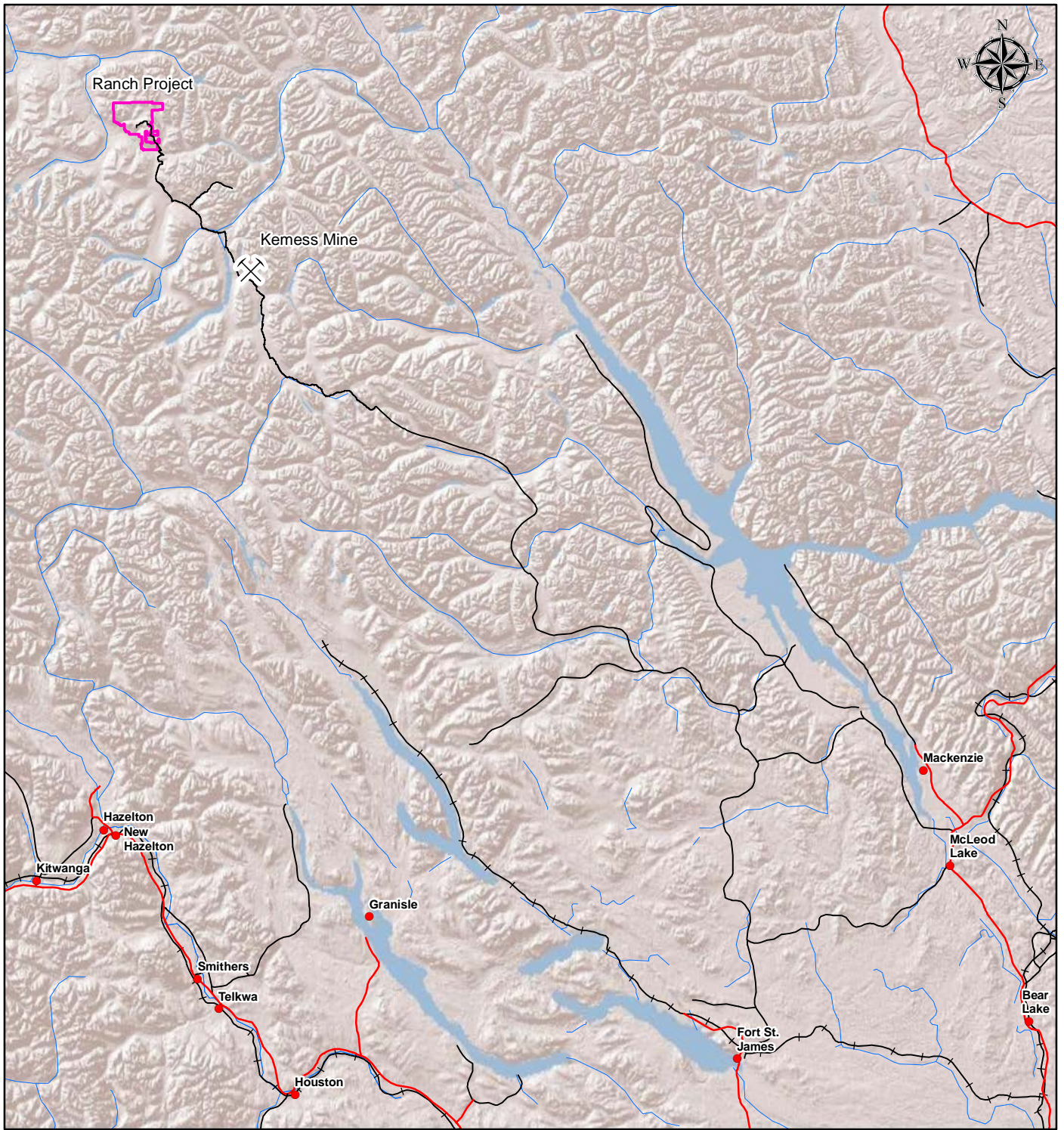
The Ranch property is located largely above tree line at an elevation of 1300 to 1900 m. The area consists of rounded hills with steep talus and overburden covered slopes. Outcrop on the

property is sparse and limited predominantly to ridges and creek bottoms. Parts of the property have been disturbed from surface mining activities carried out by Cheni Gold Mines in 1991. In the alpine, vegetation consists of alpine meadow grasses, heather and shrubs with isolated patches of coniferous trees.

The climate of the property can be described as cool continental with cool summers and cold winters. Temperatures range from up to 30° C in summer to –20° C in winter. Some permanent ice is present on the property. The summer exploration season lasts from early June into late September. Snowfall accumulations can reach up to two metres over the winter months.

2.3. PROPERTY STATUS AND OWNERSHIP

The Ranch property presently consists of 47 claims that cover approximately 16,386 hectares of land in the Liard Mining Division (Figure 3; Table 1). All of the claims that comprise the Ranch property are 100% owned by, and registered in the name of, Guardsmen Resources Inc. (Client ID# 131812).



GRI
 Guardsmen Resources Inc.

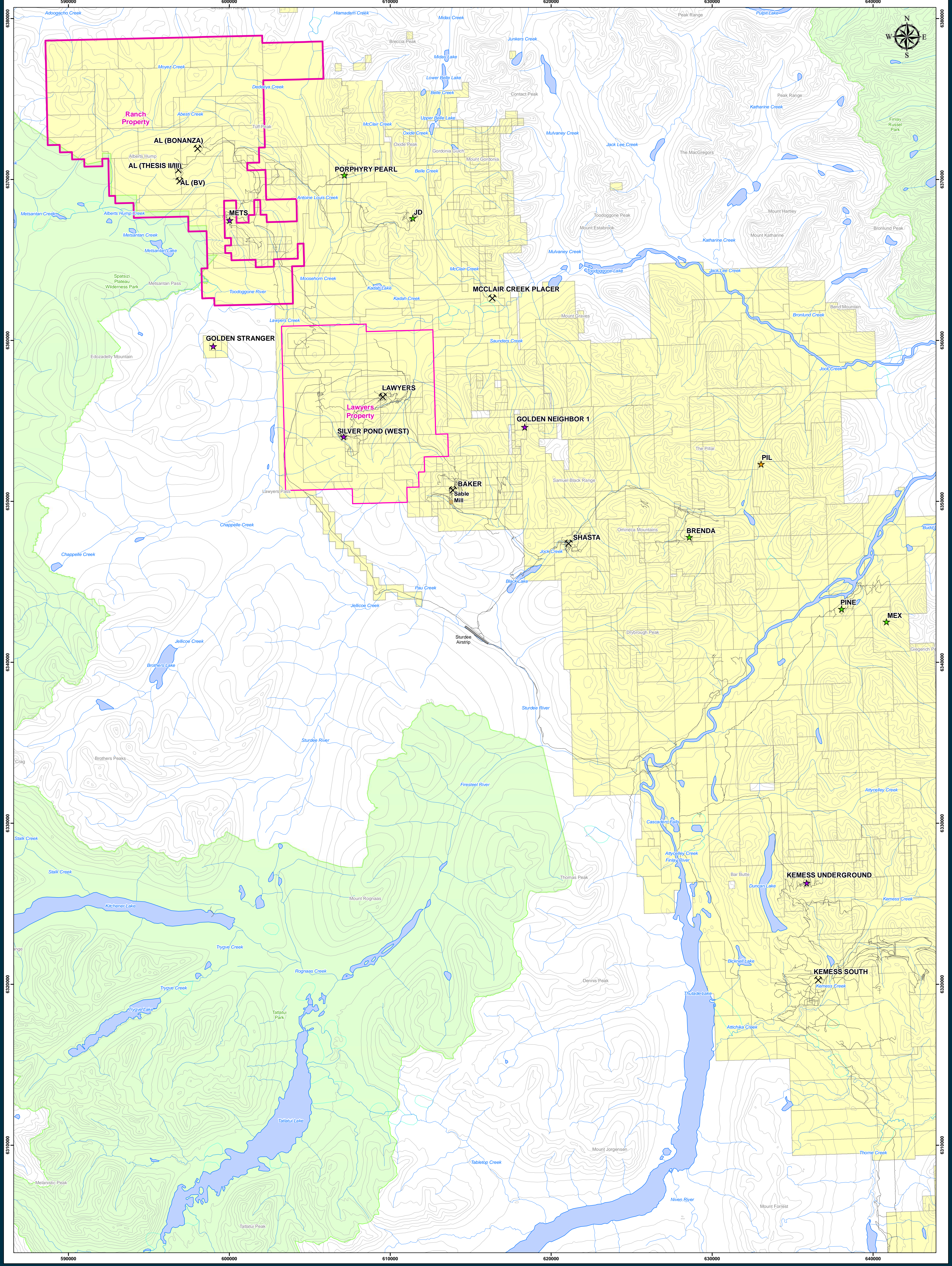
RANCH PROJECT
 Figure 1
 Regional Location Map

20k Mapsheets:
 Date: 1/20/2014
 Projection: NAD 1983 UTM Zone 9N
 Scale: 1:2,000,000
 Author: tkwitkoski
 Last Modified By: tkwitkoski
 Checked By: BB
 Revision #: 1

Legend

- Kerness Mine
- City or Town
- Paved Road
- Gravel Road
- Railway
- Stream
- Ranch Project Outline





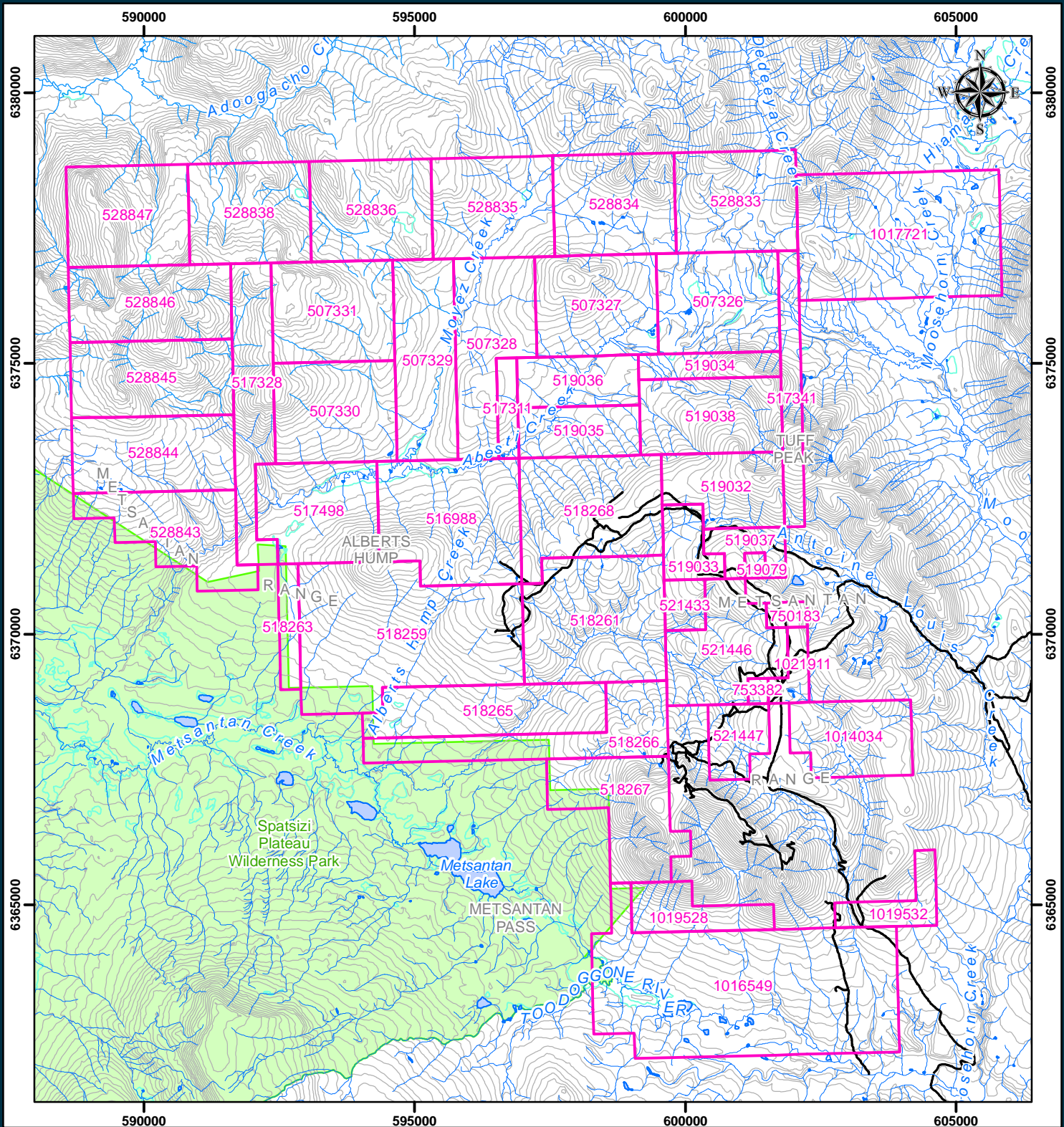
GRI
 Guardsmen Resources Inc.
RANCH PROJECT
 Figure 2
 Local Location Map

20k Mapsheets
 Date: 1/29/2014
 Projection: NAD 1983 UTM Zone 9N
 Scale: 1:100,000
 Author: tkwikoski
 Last Modified By: tkwikoski
 Checked By:
 Revision #:

0 0.5 1 2 3 4 5
 Kilometers

Legend	
★	Developed Prospect
☆	Producer
☆	Prospect
☆	Showing
✕	Past Producer
■	Sable Mill
—	Existing Roads
—	Stream
—	Contour
■	Lake
■	Wetland
■	Provincial Park
■	Sturdee Airstrip
■	Mineral Tenure - Guardsmen Resources Inc.
■	Mineral Tenure-All





GRI
 Guardsmen Resources Inc.
RANCH PROJECT
Figure 3
Claim Map

20k Mapsheets: 94E043, 44, 53, 54
 Date: 1/20/2014
 Projection: NAD 1983 UTM Zone 9N
 Scale: 1:100,000
 Author: tkwitkoski
 Last Modified By: tkwitkoski
 Checked By: BB
 Revision #: 0

Legend

- Road
- River
- Contour
- Swamp
- Lake
- Provincial Park
- Ranch Tenure



Table 1: Ranch Project - Mineral Claims

Tenure #	Claim Name	Owner	Type	Issue Date	Expiry Date	Area (ha)
507326	AB 1	131812	Mineral	2005/feb/16	2015/nov/15	417.12
507327	AB 2	131812	Mineral	2005/feb/16	2015/nov/15	417.13
507328	AB 3	131812	Mineral	2005/feb/16	2015/nov/15	417.20
507329	AB 4	131812	Mineral	2005/feb/16	2015/nov/15	417.23
507330	AB 5	131812	Mineral	2005/feb/16	2015/nov/15	417.34
507331	AB 6	131812	Mineral	2005/feb/16	2015/nov/15	417.15
516988		131812	Mineral	2005/jul/11	2015/nov/15	574.11
517311	BERT FRACTION	131812	Mineral	2005/jul/12	2015/nov/15	69.55
517328	HUMP BACK	131812	Mineral	2005/jul/12	2015/nov/15	365.15
517341	ALBERT EAST	131812	Mineral	2005/jul/12	2015/nov/15	191.25
517498		131812	Mineral	2005/jul/12	2015/nov/15	400.13
518259		131812	Mineral	2005/jul/26	2015/nov/15	939.95
518261		131812	Mineral	2005/jul/26	2015/nov/15	591.78
518263	ALBERT WEST	131812	Mineral	2005/jul/26	2015/nov/15	87.03
518265	AL 5&6	131812	Mineral	2005/jul/26	2015/nov/15	400.48
518266	AL 5&6 FRACTION	131812	Mineral	2005/jul/26	2015/nov/15	365.70
518267		131812	Mineral	2005/jul/26	2015/nov/15	383.25
518268		131812	Mineral	2005/jul/26	2015/nov/15	504.50
519032		131812	Mineral	2005/aug/14	2015/nov/15	278.31
519033		131812	Mineral	2005/aug/14	2015/nov/15	121.79
519034		131812	Mineral	2005/aug/14	2015/nov/15	121.69
519035		131812	Mineral	2005/aug/14	2015/nov/15	208.69
519036		131812	Mineral	2005/aug/14	2015/nov/15	208.64
519037		131812	Mineral	2005/aug/14	2015/nov/15	104.40
519038	HUMP	131812	Mineral	2005/aug/14	2015/nov/15	365.17
519079	ALPARK	131812	Mineral	2005/aug/15	2015/nov/15	17.40
521433	FURLONG	131812	Mineral	2005/oct/22	2015/nov/15	69.62
521446	ALMET1	131812	Mineral	2005/oct/22	2015/nov/15	365.55
521447	ALMET2	131812	Mineral	2005/oct/22	2015/nov/15	139.31
528833	ALBERTS NORTH 1	131812	Mineral	2006/feb/23	2015/nov/15	416.93
528834	ALBERTS NORTH 2	131812	Mineral	2006/feb/23	2015/nov/15	416.94
528835	ALBERTS NORTH 3	131812	Mineral	2006/feb/23	2015/nov/15	416.94
528836	ALBERTS NORTH 4	131812	Mineral	2006/feb/23	2015/nov/15	416.95
528838	ALBERTS NORTH 5	131812	Mineral	2006/feb/23	2015/nov/15	416.96
528843	ALBERTS NORTHEAST 1	131812	Mineral	2006/feb/23	2015/nov/15	365.36
528844	ALBERTS NORTHEAST 2	131812	Mineral	2006/feb/23	2015/nov/15	417.42
528845	ALBERTS NORTHEAST 3	131812	Mineral	2006/feb/23	2015/nov/15	417.28
528846	ALBERTS NORTHEAST 4	131812	Mineral	2006/feb/23	2015/nov/15	417.13
528847	ALBERTS NORTHEAST 5	131812	Mineral	2006/feb/23	2015/nov/15	416.96
750183		131812	Mineral	2010/apr/16	2015/nov/15	34.81
753382	BLOCKED CELL	131812	Mineral	2010/apr/20	2015/nov/15	17.41
1014034		131812	Mineral	2012/oct/28	2015/nov/15	296.04
1016549		131812	Mineral	2013/feb/02	2015/nov/15	1307.58

1017721	131812	Mineral	2013/mar/12	2015/nov/15	868.75
1019528	131812	Mineral	2013/may/16	2015/nov/15	174.28
1019532	131812	Mineral	2013/may/16	2015/nov/15	121.99
1021911	131812	Mineral	2013/aug/28	2015/nov/15	69.64
Total:					16,386.01

2.4. EXPLORATION HISTORY

Exploration on the Ranch property began in 1972. Concise summaries of the history and development of and around the Ranch property are provided by Graham et al. (2006) and by Hawkins (2003, 2006). The work identified 19 zones of gold mineralization distributed over a 25 km² area (see Figure 5); they include: Albert's Hump, BBX, Bingo, Bloss, Bonanza, BV, BV South, Eric/Gosselin, Golden Furlong, Gulley, JK, Mickey, Patti, Ridge, Ring, Saddle, Steve's, South Hump, Thesis II/III. Brief descriptions of the more significant zones are provided in a latter section of this report.

Small scale development took place during August 1986, by Energex Mines Ltd., who operated a six-tonne per day pilot plant on the property; a total of 209 tonnes of high-grade surface ore from the Thesis III A Zone was processed. In 1991, Cheni Gold Mines Inc. surface-mined an aggregate of 59,000 tonnes from three small pits developed in the Bonanza (Ghost), Thesis III and BV zones. Approximately 41,000 tonnes of ore were treated at the Lawyers mill resulting in the recovery of about 10,000 ounces of gold. No mining equipment remains on the property and all past mining disturbance has been reclaimed, except for the Ghost and BV pits which remain open and water-filled. Some trenches in the Bingo Zone have not been reclaimed.

A year-by-year account of the history and development of the Ranch property after Bowen (2012) is listed below:

- 1972 (Sumac Mines Ltd.): In the Albert's Hump area, Sumac carried out surface exploration, including the collection of 354 soil and rock samples.
- 1973 (Sumac Mines Ltd.): In the Albert's Hump area, Sumac carried out 8.8 line-km of ground magnetic and Induced Polarization (IP) surveys; additionally, 15 rock samples were collected from 13 hand trenches and 133 grid soil samples were taken.
- 1979 (Energex Minerals Ltd.): Energex optioned a group of four claims (the original AL property) over part of the current Ranch property.
- 1980: The AL property, along with the nearby Moose and JD properties, were optioned to Texasgulf Canada Ltd. who completed reconnaissance geochemical surveys, geological mapping and staking of additional ground south of the current Ranch property. A total of 43 silt, 57 soil and 67 rock samples were collected.

- 1981 (Texasgulf Canada Ltd.): Texasgulf conducted extensive soil sampling on 3 separate grids, along with geological mapping and sampling on many of the alteration-mineralization zones on the property and VLF-EM/magnetometer orientation surveys in selected areas. In this phase of the work program, a total of 2,567 soil and 283 rock samples were collected. Additionally, 6 hand trenches totaling 146 m (274 rock samples) at the Ridge prospect and 4 hand trenches totaling 80 m (151 rock samples) at the Golden Furlong prospect were completed. Results were positive and additional ground was acquired.
- 1982 (Texasgulf Canada Ltd.): Texasgulf conducted additional geological mapping, rock and soil geochemistry, IP surveys, trenching, diamond drilling and a legal survey of corner posts. A total of 1,785 soil samples were collected on several grids from the Bonanza area westwards towards Albert's Hump. Diamond drilling was completed on three zones including: Bonanza-Ridge (8 holes totaling 1,097.7 m), Golden Furlong (2 holes totaling 395.5 m) and Albert's Hump (2 holes totaling 203.3 m). Additionally, 2 trenches totaling 61 m were completed in the Bonanza Zone.
- 1983 (Texasgulf Canada Ltd.): Texasgulf conducted extensive surface exploration on the Ranch property, including trenching, geological mapping and soil sampling, which led to the discovery of the "Verrenass" Zone (a very high-grade portion of the Bonanza Zone) and the Thesis II Zone. A total of 811 soil samples were collected on 2 separate grids, 48 back-hoe trenches (2,694 m) were completed in the Bonanza-Ridge area and on the Thesis II Zone, 687 panel samples and 11 soil profiles (53 samples) were collected from the Bonanza-Ridge trenches and, prior to trenching at Thesis II, 12 surface rock samples were collected.
- 1983-84 (Newmont Canada Limited): Newmont carried out preliminary surface work on the Chuck and Moyez claims north of the AL property (now covered by Ranch property claims) where air photo lineaments had been staked by them in 1982. A total of 331 grid and reconnaissance soil samples and 126 silt samples were collected. Results of these programs failed to delineate any zones of economic interest.
- 1984 (Texasgulf Canada Ltd.): Texasgulf conducted extensive trenching and diamond drilling of the Bonanza, Ridge and Thesis II Zones, as well as on the newly discovered high-grade Thesis III and BV (Barite Vein) Zones. Work included: 32 back-hoe trenches (1,505 m) in the Thesis III and BV Zones; diamond drilling in the BV (8 holes, 575.4 m), Thesis III (4 holes, 269.5 m), Bonanza-Verrenass (4 holes, 135.6 m), Thesis II (2 holes, 143.0 m) and Ridge (1 hole, 87.4 m) Zones; and the collection of 605 rock samples taken during the surface evaluation of base and precious metals soil anomalies identified in earlier surveys. The property was subsequently returned to Energex by Texasgulf.

- 1985 (Miramar Energy Corporation): The Chuck-Moyez property was purchased by Miramar from Newmont in early 1985. Miramar collected 20 rock chip, 36 silt and 10 heavy metal samples on the property. No ore grade precious metal occurrences were discovered on the claims.
- 1985 (Energex Minerals Ltd.): Energex completed trenching, mapping and panel rock sampling on the Bingo Zone and carried out diamond drilling in the BV and Thesis III Zones. Geological mapping and rock geochemical sampling was completed on the Bloss, Patti, Steve's, Ring, Eric and Pond Zones. Additionally, 7 diamond drill holes totaling 271.3 m were completed in the Bonanza area (2 holes on the Ghost Zone and 5 holes on the Verrenass Zone).
- 1985 (Texpez Oil and Gas Corp.): Texpez carried out preliminary surface work on the Wolf II claim now covered by claims in the northeast part of the Ranch property. A total of 693 soil samples were taken on 2 separate grids and 5 rock samples were also collected. Soil sample results revealed 3 areas containing anomalous gold values, locally accompanied by anomalous concentrations of barite. Highest rock sample results were 2.2 ppm Ag and 15 ppb Au.
- 1985 (Yukon Gold Placers Ltd.): Yukon carried out geological mapping and rock geochemical sampling on the Moytan 1 and 2 claims located in an area which is now in the northwestern part of the Ranch property. Yukon collected 22 rock chip samples, none of which identified any precious metals occurrences.
- 1986 (E.L.E. Energy Inc.): In early 1986, a 10,000 line-km airborne magnetic and VLF-EM survey was completed across the Toodoggone District. "E.L.E." commissioned Western Geophysical Aero Data Limited to recover and examine in detail airborne data gathered across the Indian Gold 1 and 2 claims. These claims are located at the western edge of the Ranch property, where its boundary adjoins the Spatsizi Plateau Wilderness Park.
- 1986 (Miramar Energy Corporation): Miramar completed 8.3 km of VLF-EM and resistivity surveys on 2 separate grids on the Chuck-Moyez property, following up on previous geological areas of interest.
- 1986 (Lacana Mining Corporation): Lacana completed 5 diamond drill holes totaling 615.7 m on the Patti Zone, located in the southeastern part of the Ranch property.
- 1986 (Duke Minerals Ltd.): Duke completed a preliminary surface work program on the Discovery 1 and 2 claims which were located immediately northwest of Metsantan Lake. These now expired claims are located just within the Spatsizi Plateau Wilderness Park, near the southern boundary of the Ranch property. Duke's work program consisted of 4.7 line-km of IP surveys, 8.3 line-km of grid soil surveys and 9.7 line-km of VLF-EM

surveys. The IP survey outlined a resistive zone coincident with moderately anomalous gold-in-soil values. This target was tested later in 1986 with 7 diamond drill holes totaling 427.0 m. Assays of 30 core samples taken showed little or no gold present in the area drilled.

- 1986 (Energex Minerals Ltd.): Energex completed a major integrated exploration program on the AL property, including: 83 diamond drill holes totaling 3,683 m in 4 zones (Thesis II and III, Bonanza and BV); 141 back-hoe trenches totaling about 3,900 m and the collection of 1,140 samples from them; back-hoe stripping of areas within the Bonanza, BV and Thesis III Zones and the collection of 545 one-meter long channel samples within the stripped areas; geophysical orientation surveys using 7 systems over known areas of mineralization; instrument surveying of all 1986 drill holes and trenches which were tied in to a local property grid; the establishment of 6 detailed and 2 reconnaissance soil grids over several parts of the property (2,878 soil samples were collected); and extensive prospecting, mapping and sampling of altered rocks over the detailed soil grids and known alteration zones (323 rock samples were collected). Additionally, Energex constructed a pilot plant with a 6 tonnes per day capacity to process high-grade ore from the Thesis III A Zone; a total of 209 tonnes of ore was processed.
- 1986 (Beachview Resources Ltd.): For the now expired 20-unit Wolf 1 claim, in the north-central part of the Ranch property, Beachview commissioned Western Geophysical Aero Data Limited to recover and examine in detail airborne data gathered from the 10,000 line-km, district-wide airborne survey completed in 1986 (see "E.L.E." 1986 above).
- 1986 (Toodoggone Syndicate): For the now expired 20-unit Spike claim, in the north-central part of the Ranch property, the Toodoggone Syndicate commissioned Western Geophysical Aero Data Limited to recover and examine in detail airborne data gathered from the 10,000 line-km, district-wide airborne survey completed in 1986 (see Beachview Resources, 1986 above).
- 1987 (Deleware Resources Corp.): Deleware completed a preliminary surface work program on the now expired Adoog 1-6 claims which were located in what is now the far northwest corner of the Ranch property. Thirty-six rock samples were submitted for gold and silver analyses but none returned significant values.
- 1987 (Energex Minerals Ltd.): Energex drilled 8,600 m in 122 holes, mainly directed towards proving up reserves in the Bonanza and BV Zones. This total included 8 holes drilled in the Ridge Zone to follow-up on encouraging precious metals results from earlier drill programs.
- 1988 (Energex Minerals Ltd.): Energex completed 70 diamond drill holes totaling 6,308.8 m in 8 widespread zones across the AL property. The 1988 objectives were to test, by

drilling, second order, previously sampled surface showings for open-pit mine ore grade material and also to drill-test deeper levels of the Bonanza Zone. About 50% of the drilling was carried out on the Bonanza Zone, 25% on the Bingo Zone and the remainder on the Ridge, BV South, Thesis II and III 'B', JK and Eric Zones. Extensive stripping was carried out on the Bonanza Zone and a lesser amount on the BV South Zone. By the end of 1988, a total of 19 surface gold showings had been discovered on and around what is now Guardsmen's Ranch property. Energex also commissioned Wright Engineers Limited of Vancouver, B.C. to carry out a feasibility study for the proposed open pit mining on the Bonanza, Thesis III and BV Zones, and coordinated extensive metallurgical testing. All of this work was funded by flow-through financing and aimed at a self-financed development. Changes in the structure of flow-through financing in 1989 precluded Energex's ability to continue to raise money and carry out this development plan.

- 1990 (Miramar Energy Corporation): Miramar collected a total of 278 soil samples along 5 separate contour soil lines spread randomly across its Chuck-Moyez property, searching for epithermal precious metal deposits such as those on the adjacent AL property. Although results showed generally low gold and silver values, one noticeable aspect of the data set was the consistently high, and possibly anomalous, concentrations of barite. Only one of the 278 samples returned a value below 100 ppm Ba.
- 1990 (Cheni Gold Mines Inc.): Cheni optioned the AL property and completed an access road from their Lawyer's property to the Bonanza Zone.
- 1991 (Cheni Gold Mines Inc.): Cheni surface-mined an estimated 41,200 tonnes of ore grading 9.2 g/t Au from the BV, Thesis III and Bonanza Zones and trucked it approximately 40 km to the Lawyers mill for processing. About 10,000 ounces of gold were recovered from this open pit mining activity.
- 1996-97 (AGC Americas Gold Corporation): "AGC" acquired an option on the AL property and added it to their large claim holdings in the area. During 1997, AGC formed a joint venture with Antares Mining Corporation and conducted a 24 hole, two-stage diamond drilling program on the Bonanza and Thesis III zones, an orientation IP survey with variably-spaced lines surveyed across the Bonanza, Thesis III and BV Zones, and a helicopter-borne EM-magnetometer-radiometric survey over the property.
- 2001 (Guardsmen Resources Inc.): The Mining Leases covering the Bonanza, Thesis III and BV Zones were allowed to lapse on July 21, 2001. In addition, AGC allowed their claims in the Albert's Hump area to lapse. Guardsmen acquired the property by staking the Ranch claims in August 2001. Additional claims were added to the property between 2002 and 2005 as previous claims expired.

- 2002 (Guardsmen Resources Inc.): In December 2002, Guardsmen optioned the Ranch property to Bishop Gold Inc.
- 2003 (Bishop Gold Inc.): Bishop conducted a limited 10-hole (712 m) diamond drilling program on the Bonanza Zone.
- 2005 (Guardsmen Resources Inc.): Guardsmen formed a joint venture with Bishop Gold Inc. on the Ranch property. The joint venture was subsequently terminated and Guardsmen retained a 100% interest in the Ranch property.
- 2006 (Christopher James Gold Corp.): In June 2006, Christopher James acquired an exclusive option to purchase all of the shares of Guardsmen Resources Inc. Guardsmen's principal asset was its 100% interest in the Ranch property. In August and September 2006, Christopher James completed the drilling of 625 m of diamond drilling in 7 holes on the Thesis III Zone and carried out surface mapping and sampling in several areas on the property.
- 2007 (Christopher James Gold Corp.): Work completed by Christopher James on the Ranch property during the 2007 field season consisted of the following: the drilling of 45 diamond drill holes totaling 7,194 m in four mineralized zones on the property (Bonanza, Thesis II and III and Mickey); mapping, prospecting and geochemical sampling in two areas well outside the drill areas (Patti and AB Zones); a helicopter-borne magnetic gradiometer survey consisting of 2,229 line km within a single, 54 km² block in the southern part of the property; and a 3D-IP survey totaling 61 line-km completed in the southern part of the property, over and adjacent to known zones of gold mineralization.
- 2008-2012 (Guardsmen Resources Inc.): Guardsmen maintained the Ranch property on a care-and-maintenance basis. No exploration or development work was conducted.

2.4.1. Diamond Drilling Summary

During the period 1982-2007, Kidd Creek Mines Ltd., Energex Mines Ltd., Christopher James Gold Corp. and several other junior mining companies completed 427 diamond drill holes totaling 34,117.4 m on 14 separate gold-mineralized zones on the Ranch property (Table 2). Drilling totals for the areas which have seen minor past production are 18,778.1 m in 223 holes in the Bonanza zone, 4,667.0 m in 70 holes in the Thesis III zone and 2,278.2 m in 48 holes in the BV zone. Other zones in which significant amounts of drilling were conducted include Ridge (2,203.8 m in 16 holes), Bingo (1,545.0 m in 14 holes), Mickey (1,340.8 m in 9 holes), Thesis II (989.0 m in 16 holes), and the Patti Zone (615.7 m in 5 holes). Results of the historical drilling in the Bonanza, Thesis III, BV and several other zones are briefly discussed in Section 5.2.1; technical aspects of the drilling are more fully described in Bowen (2012). Other gold-mineralized zones that have seen limited past drilling include Discovery 1 and 2 claims (427.0 m

in 7 holes), Golden Furlong (395.5 m in 2 holes), BV South (362.0 m in 10 holes), Albert's Hump (203.3 m in 2 holes), JK (167.0 m in 2 holes), and Eric (145.0 m in 3 holes).

Table 2: Ranch Project – List of Diamond Drilling by Zone

Zone	Work Period	# of Drillholes	Length (m)	Core Diameter
Bonanza	1984 - 2007	223	18,778.10	HQ, NQ, BTW
Thesis III	1984 - 2007	70	4,667.00	HQ, NQ, BQ
BV	1984 - 1987	48	2,278.20	HQ, NQ
Ridge	1984 - 1988	16	2,203.80	HQ, NQ
Bingo	1988	14	1,545.00	NQ
Mickey	2007	9	1,340.80	HQ, NQ
Thesis II	1984 - 2007	16	989	HQ, NQ, BQ
Patti	1986	5	615.7	BQ
Discovery 1 & 2 claims	1987	7	427	BQ
Golden Furlong	1982	2	395.5	NQ
BV South	1988	10	362	BQ
Alberts Hump	1982	2	203.3	NQ
JK	1988	2	167	NQ
Eric	1988	3	145	NQ

3. REGIONAL GEOLOGY

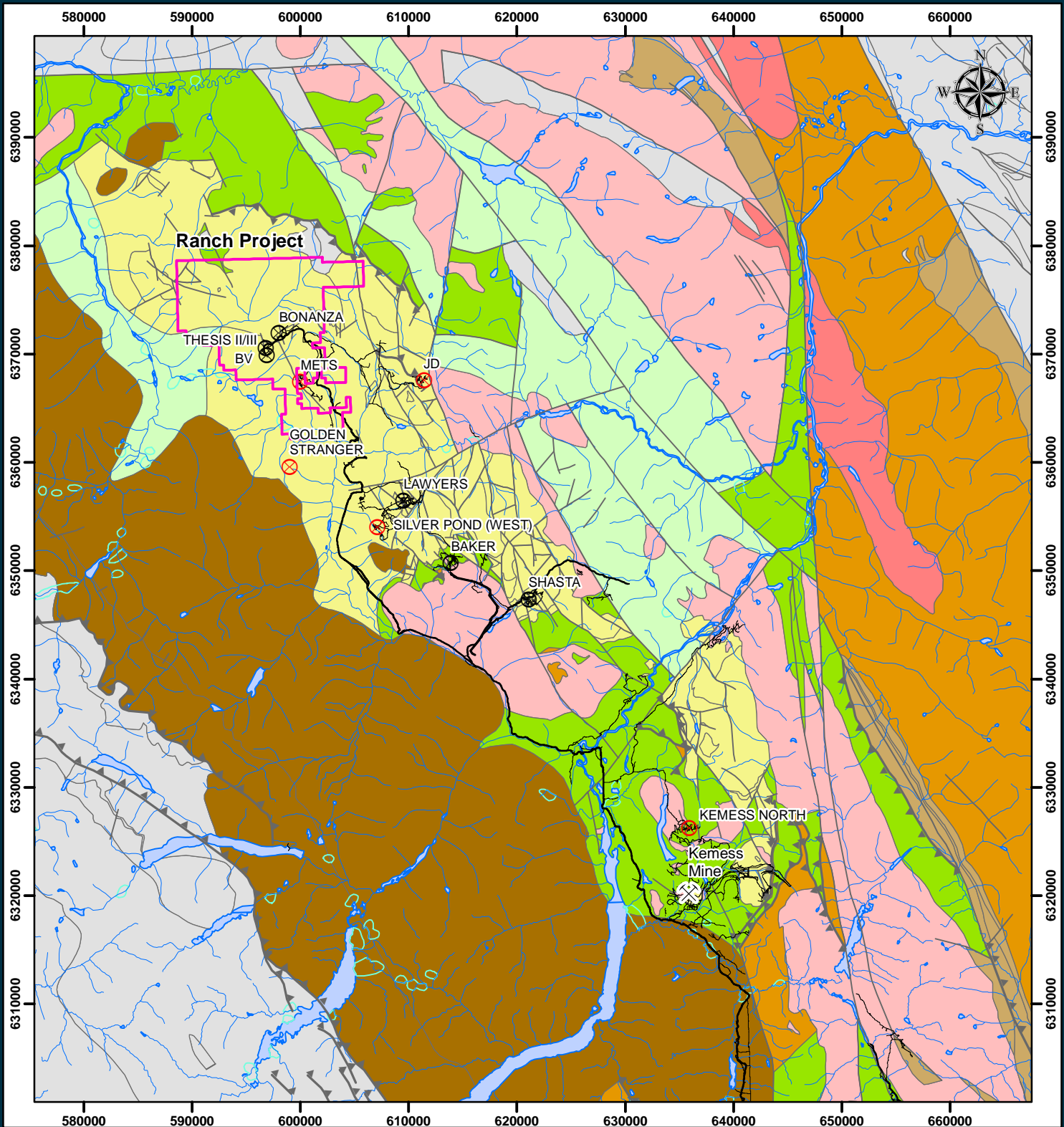
The Toodoggone District is situated in the Intermontane Belt, near its eastern margin (Figure 4). The oldest rocks in the area are limestones and rhyolitic tuffs of the Permian Asitka Group. These are overlain by mafic to intermediate flows and related fragmental and sedimentary rocks of the Upper Triassic Takla Group. Overlying these in turn are volcanics of the Lower Jurassic Toodoggone Formation, a complexly intercalated pile of largely subaerial, high potassium, calc-alkaline latite and dacite flows, fragmental rocks and related sediments exceeding 2,200 metres in thickness. The Toodoggone Formation consists of two main periods of eruptive activity, a lower volcanic cycle and an upper volcanic cycle. The formation is subdivided into six members on the basis of lithology, mineral assemblage, texture and field relationships (Table 3).

The youngest stratified rocks in the area are those which comprise the Mid to Upper Cretaceous Sustut Group. These occupy the southwestern part of the map area. They consist of a lower section of chert, quartz pebble conglomerate and felsic ash tuff and an upper section of mudstone-siltstone with coal layers.

A suite of comagmatic plutons were emplaced during the lower volcanic cycle and were partly unroofed and eroded during a brief period of uplift before deposition of the upper cycle began. Extensive and repeated faulting led to the development of an asymmetric collapse feature and served to localize epithermal vein-type gold-silver mineralization at many deposits such as Shasta, Baker and Lawyers (Stargaard, 1994) and high sulphidation gold-silver mineralization such as that present at the Bonanza, Thesis III and BV zones on the Ranch property (Figures 4 and 5). A number of porphyry copper-gold deposits and prospects, including the Kerness South and Kerness North deposits in the southeastern portion of the Toadoggone District, are related to plutons that are comagmatic with the volcanic rocks of the Toadoggone Formation (Diakow et al., 2009).

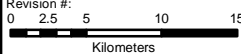
Table 3: Lithostratigraphic Column for the Toadoggone Formation (after Diakow et al, 1993)

FORMATION MEMBER	ERUPTIVE CYCLE	AGE (Ma)	MEMBER DESCRIPTIONS
Saunders	Upper	192.9 to 194	Trachyandesite tuffs
Attycelley		193.8	Dacite tuffs and related feeder dikes and sub-volcanic domes
McClair	Lower		Heterogeneous lithic tuffs, andesite flows & sub-volcanic dikes and plugs
Metsantan		197 to 200	Trachyandesite latite flows and tuffs
Moyez			Well-layered crystal and ash tuffs
Adoogacho		197.6	Trachyandesite ash flows to lapilli tuffs and reworked equivalents



RANCH PROJECT
Figure 4
Regional Geology & Mineral Deposits

20k Mapsheets: 94E043, 44, 53, 54
 Date: 1/20/2014
 Projection: NAD 1983 UTM Zone 9N
 Scale: 1:500,000
 Author: tkwitkoski
 Last Modified By: tkwitkoski
 Checked By: BB
 Revision #: 1



Legend

- Developed Prospect
- Past Producer
- Kemes Mine
- Fault
- Thrust Fault
- Road
- Stream
- Lake
- Wetland
- Ranch Project Outline

Stratified Unit

- Upper Cretaceous Sustut Group
- Low to Mid Jurassic Hazleton Group-Undifferentiated
- Lower Jurassic Hazleton Group-Toodoggone Formation
- Upper Triassic Stuhini & Takla Groups
- Devonian to Permian Asitka Group
- Upper Proterozoic Ingenika Group

Intrusive Unit

- Early Cretaceous Granite
- Early Jurassic Granite



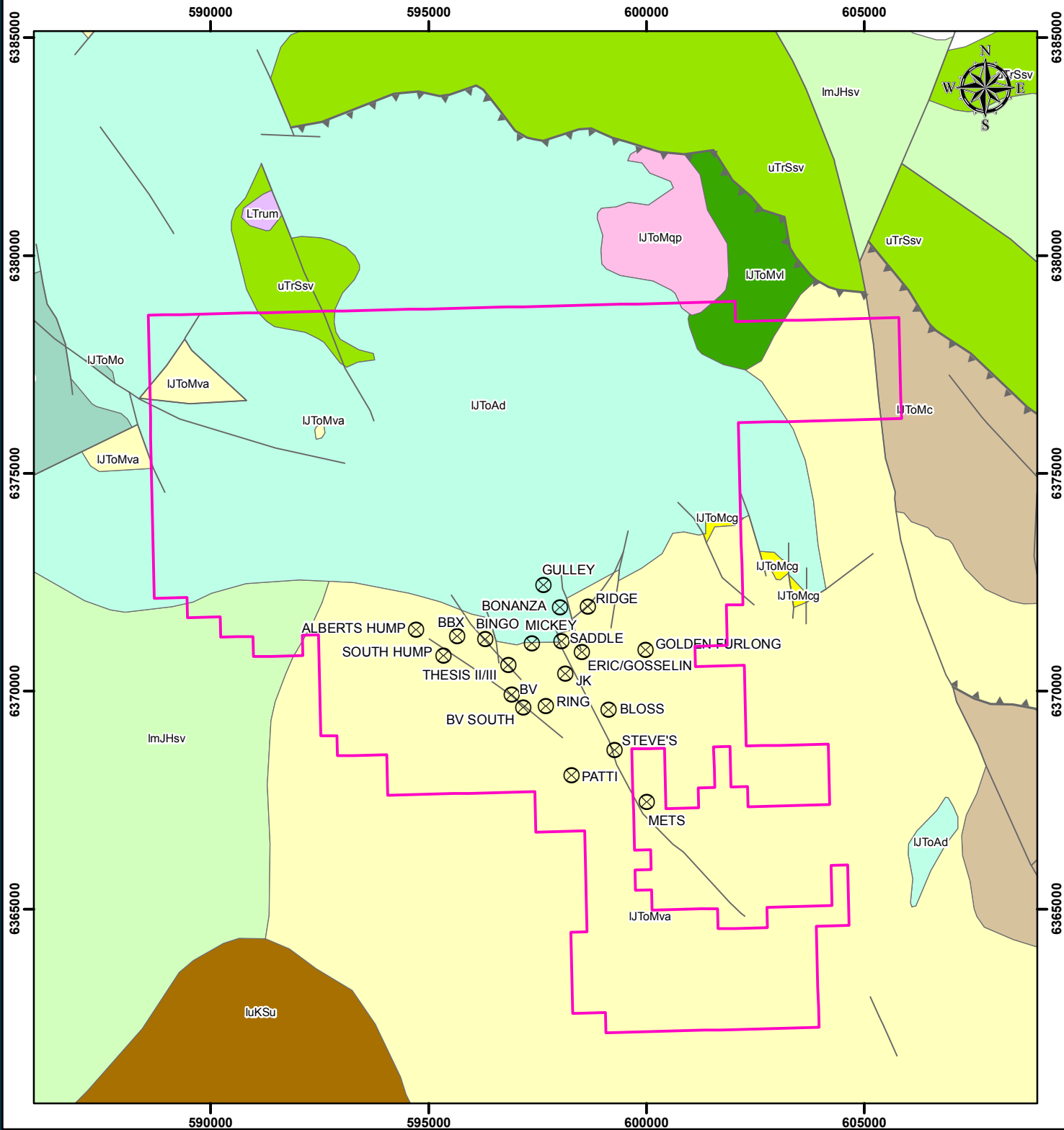
4. PROPERTY GEOLOGY

4.1. LITHOLOGY

Volcanic strata of the lower volcanic cycle of the Toodoggone Formation underlie most of the Ranch property (Figure 5). The northern two-thirds of the property are underlain by trachyandesite ash-flows to lapilli tuffs and reworked equivalents of the Adoogacho Member. Overlying trachyandesite (latite) flows with lenses of lapilli tuff of the Metsantan Member occupy the southern part of the property. Other volcanic and sedimentary rocks of limited extent include small areas of Metsantan Member volcanic conglomerate and finer bedded epiclastic rocks exposed in the eastern part of the property and Upper Triassic Stuhini Group undivided arc volcanic and sedimentary rocks in the northern part of the property. A subvolcanic plug or flow dome related to Toodoggone volcanism is present in the northeastern part of the property.

Lithological contacts are rarely observed. Many units appear to grade into one another and the compositional differences between most units are minimal. Local unconformities are also fairly common between and within units; equally common are fault contacts between units. Many units have reworked equivalents, where tuffaceous and block material have been moved or washed by local alluvial processes such as debris slides/flows, sheet wash, stream channeling and other erosive activities present in a dynamic, subaerial volcanic environment.

The volcanic sequence is intruded locally by dikes which are compositionally similar to the volcanic units and may represent feeder systems to them. Felsic dikes and irregular bodies of dacitic, rhyo-dacitic and rhyolitic composition have been encountered in a number of drill holes. These intrusive rocks may be genetically linked to late-stage ore-forming fluids.



GRI
 Guardsmen Resources Inc.
RANCH PROJECT
 Figure 5
 Property Geology &
 Minfile Occurrences












20k Mapsheets: 94E043, 44, 53, 54
 Date: 1/20/2014
 Projection: NAD 1983 UTM Zone 9N
 Scale: 1:125,000
 Author: tkwitkoski
 Last Modified By: tkwitkoski
 Checked By: BB
 Revision #: 1

Legend

- ⊗ Minfile Occurrence
- Fault
- ▲ Thrust Fault
- ▭ Ranch Project Outline

- See Figure 4b for Geology Legend



Legend		
Intrusive Rocks		
	IJToMqp	Lower Jurassic Subvolcanic plug or flow dome related to Toodoggone volcanism
	LTrum	Late Triassic Hornblendite
Volanic and Sedimentary Rocks		
	IuKSu	Mid to upper Cretaceous Sustut Group - lower section of chert quartz pebble conglomerate & felsic ash stuff; upper section of mudstone-siltstone with coal layers.
	ImJHsv	Lower to middle Jurassic Hazelton Group - epiclastic & felsic volcanic unit; minor sediments, including limestone
	IJToMc	McClair Member - heterogeneous lithic tuffs, andesite flows & sub-volcanic dikes & plugs
	IJToMva	Metsantan Member - trachyandesite latite flows and tuffs
	IJToMvl	Metsantan Member - debris flow deposits
	IJToMcg	Metsantan Member - volcanic conglomerate & finer bedded epiclastic rocks
	IJToMo	Moyez Member - dacitic crystal tuff with volcanic conglomerate at base
	IJToAd	Adoogacho Member - trachyandesite ash flows to lapilli tuffs & reworked equivalents
	uTrSsv	Upper Triassic - Stuhini Group - undivided volcanic & sedimentary rocks

4.2. STRUCTURE

Structural interpretation is limited by poor rock exposure. Where bedrock is exposed, the volcanic units are generally flat-lying or dip gently to the west. No folding has been observed. Locally steeper dips (usually less than 30°) are likely the result of the original paleo topography and/or block rotations across fault planes.

The dominant structures in the area are steeply dipping faults which define a prominent regional northwest structural fabric trending 140° - 170°. In turn, high angle, northeast-striking

faults (approximately 060°) appear to truncate and displace northwest-striking faults. Collectively these faults form a boundary for variably rotated and tilted blocks underlain by monoclinical strata.

The geometry and chronology of fault movements are poorly understood, and reconstructions are tenuous. Geophysics, trenching and drilling indicate that there are severe structural complexities associated with many of the zones of alteration and mineralization.

Block fault dip-slip movement is suggested where alteration zones are abruptly truncated, and strike-slip movement is common along many linear silicified zones. Slickensides and oriented tectonic breccias are locally present.

5. MINERALIZATION AND GEOLOGICAL MODEL

Styles of mineralization in the Toadoggone District include both high and low sulphidation epithermal gold-silver vein and replacement types, and porphyry copper-gold types. They are genetically related to Early Jurassic volcanic and intrusive activity that took place in an extensional tectonic setting. Epithermal gold-silver mineralization is hosted primarily by strata of the Toadoggone Formation and to a lesser degree by underlying strata of the Upper Triassic Takla Group. Epithermal mineralization in the district has a strong structural control. Both vertical and lateral zonation in mineralization and alteration are displayed throughout the district.

5.1. MINERAL DEPOSITS IN THE TOODOGGONE DISTRICT

A number of past producing mines and developed prospects occur within the district (refer to Figures 2 and 4). Those discussed below include JD, Lawyers, Baker, Kemess South and Kemess North. Several others are discussed in some detail by Bowen (2012). A schematic cross-section of the zonal relationships between styles of mineralization, and the deposits which occur in the district, are shown in Figure 6.

5.1.1. JD

The JD developed prospect is located about 14 km southeast of the Bonanza Zone on claims owned by Cameron Scott of Alberni, B.C.; it is currently under option to Tower Resources Ltd (Tower). Intermittent exploration campaigns conducted by a number of operators from the 1970's to 1990's discovered two main zones of interest, named Finn and Creek. The Finn Zone is a high sulphidation epithermal-type gold deposit with important values in silver, copper, lead and zinc. It is a structurally-controlled, 600 m long by 400 m wide, east-west trending zone consisting of a tabular, shallowly-dipping, 15 m thick body of gold-bearing brecciated and silicified rock, enveloped by a large quartz-carbonate vein stockwork with disseminated and

massive base metal sulphides (Krause, 1994, 1996). The high-grade polymetallic Creek Zone was discovered by drilling in 1997 and became the focus of exploration in 1998. Hole 97-08 intersected 103.3 g/t Au, 92.2 g/t Ag, 1.34% Cu, 0.46% Pb and 11.7% Zn over 4 m (Hawkins, 1998).

In a news release dated September 19, 2012, Tower reported the discovery of gold mineralization in the footwall of the Finn Zone. Hole JD-12-009, collared in the footwall, intersected 18.0 m grading 1.74 g/t Au and 4.23 g/t Ag from 3.1-21.0 m, followed by 11.0 m grading 2.48 g/t Au and 5.49 g/t Ag from 29.0-40.0 m. Tower's 2013 exploration drilling in the eastern part of the JD project area discovered porphyry-style quartz-sericite-pyrite alteration and associated anomalous copper mineralization coincident with a Cu-Au-Ag-Te soil geochemical anomaly, an 800 m by 800 m aeromagnetic high anomaly and a large IP chargeability anomaly.

5.1.2. Lawyers Mine

In 1969, gold was discovered on the Lawyers prospect by Kennco Explorations (Western) Limited while exploring the area for porphyry copper deposits. Serem Inc. optioned the property in 1978 and by 1987 had acquired a 100% interest in the project. Serem later changed its name to Cheni Gold Mines Inc. Three main mineralized zones were defined on the Lawyers property by 1989 when the property was put into production as a 550 ton per day underground operation. The projected life of the operation was ten years. Proven and probable reserves at opening were 1,037,600 tons @ 0.209 oz. Au per ton and 7.57 oz. Ag per ton (Wright, 1986). Between 1989 and 1992, the Lawyers Mine produced 171,177 oz. Au and 3,548,459 oz. Ag.

Low sulphidation epithermal gold-silver mineralization at Lawyers occurs in quartz vein stockworks and chalcedony breccia zones which appear to be controlled by fracture systems related to graben margins. Mineralized zones are hosted in volcanic strata of the Lower Volcanic Cycle of the Toodoggone Formation. Mineralization consists of fine-grained pyrite, native gold, electrum, native silver and acanthite and minor amounts of chalcopryite, sphalerite and galena. Gangue consists of chalcedony, quartz and minor calcite, hematite and barite. Alteration of the zones displays vertical zonation, with an argillic assemblage at higher elevations, silicification-adularia-sericite at intermediate levels and silicification-adularia at lower elevations. These are enveloped laterally by zones of propylitic alteration which consist of chlorite and minor epidote, calcite and hematite veinlets. The recorded 100% owner of the claims covering the Lawyers property is PPM Phoenix Precious Metals Corp. of West Vancouver, B.C.

5.1.3. Baker

The first operating lode gold mine in the Toadoggone District was the Baker Mine. Gold was discovered in quartz veins on the Baker (Chappelle) property in 1969. In 1981, the property was placed into production by DuPont of Canada as a 110 tonnes per day (“tpd”) high-grade underground operation on the “A” Vein. Operations ceased in 1983 as reserves were exhausted.

In 1989, with newly developed road access, Sable Resources Ltd. acquired DuPont’s Baker Mill and with improvements, increased production capacity from 110 to 245 tpd and carried out production on the “B” Vein during the period 1991 to 2001. Since the 1980’s, production from the A and B veins has totaled 41,285 ounces of gold, 765,677 ounces of silver and 13,000 kilograms of copper. The true widths of these vein structures vary from 2.4 to 7.6 m, with typical grades of 0.5 oz. per ton Au, 5 oz. per ton Ag and 1% Cu.

At the Baker Mine property, seven quartz vein systems occur within Takla Group host rocks; two (the A and B Veins) have been mined. All veins occur within an uplifted block of brightly iron-stained basalt and andesite flows. The veins occupy two principal trends, northeast and east-southeast. Wallrocks are variably silicified and altered to sericite, clay minerals and carbonate with intensity of alteration increasing towards vein structures.

Gold-silver values are generally associated with highly fractured and occasionally brecciated white to grey, vuggy quartz veins containing 1 to 10 per cent pyrite, and to a lesser extent, occur in silicified wallrock. Higher grade mineralization is associated with grey quartz, which occasionally contains visible argentite. The latter is commonly associated with disseminated grains of pyrite, chalcopyrite and very minor sphalerite. Visible gold is rare.

5.1.4. Kemess South

The Kemess South porphyry copper-gold deposit was discovered in 1983, and extensive diamond drilling by El Condor Resources Ltd. from 1990 to 1991 outlined the deposit. Royal Oak Mines Inc. acquired the property from El Condor in 1995, and put the deposit into production in April, 1998 with a mineable reserve (1996) of 221,000,000 tons @ 0.018 oz. Au per ton and 0.224 % Cu (Royal Oak, 1997). Northgate Exploration Limited purchased a 95% royalty interest in the Kemess South mine and associated exploration properties from Royal Oak in February 2000 after the latter company declared bankruptcy.

Following the acquisition, operations continued without interruption until March 2011. Total production statistics include 473,376,688 tonnes mined and 228,732,478 tonnes milled, yielding 91,903,400 grams (2,954,763 oz.) gold, 4,871,000 grams (156,606 oz.) silver and 355,450,336 kg (783,633,852 lb.) copper.

The Kemess South deposit was hosted by the Early Jurassic Maple Leaf intrusion, a gently inclined sill-like body of quartz monzodiorite which intrudes Takla Group volcanic and sedimentary rocks. The ore body measured 1,700 m long by 650 m wide and ranged from 100 m to over 290 m thick. A zone of copper-enriched supergene mineralization containing native copper blanketed the hypogene ore and comprised 20% of the deposit. The highest grades of gold and copper in the deposit correlate with zones of intense quartz stockwork development, accompanied by intense potassium feldspar selvages and local magnetite stringers and disseminations. The potassic alteration is strongly developed in the western two-thirds of the deposit where it overprints earlier sericite and calcite alteration. Sericitization does not show a consistent association with gold or copper mineralization. Pyrite, the dominant sulphide in the deposit, occurs as veins and fracture coatings accompanying quartz stringers. Chalcopyrite occurs as disseminated grains and in quartz stockwork veins. Native gold is included within or is peripheral to grains of chalcopyrite, and higher gold grades correlate closely with higher copper grades in the hypogene zone.

5.1.5. Kemess North

Kemess North is located about 6 km north of Kemess South. Mining companies were first attracted to the area by a large gossan that is the surface expression of the Kemess North porphyry copper-gold deposit. Exploration programs were carried out by several companies from 1966-93. By the end of 1993, a total of 15,039 m of diamond drilling in 78 holes had partially delineated the Kemess North deposit over a strike length of 1,200 m, a true thickness of about 300 m and to 400 m down-dip.

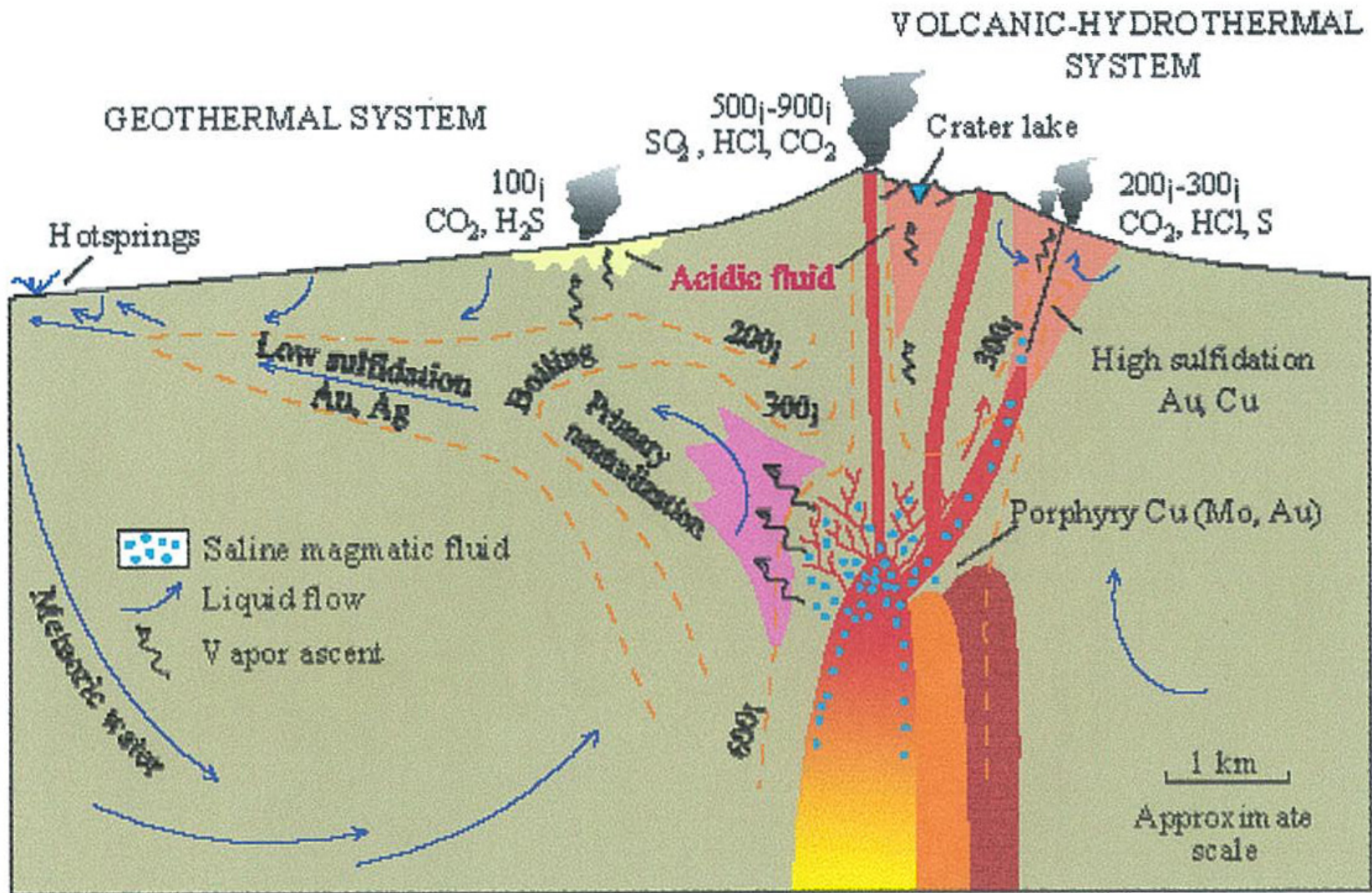
In 2000-2001, Northgate Exploration Ltd. completed 28 diamond drill holes totaling 12,300 m at Kemess North, resulting in the definition of a significantly larger and higher grade inferred mineral resource of 442 million tonnes grading 0.4 g/t Au and 0.23% Cu, using a gold equivalent cut-off grade of 0.6 g/t (Stockwatch - November, 14, 2001). Analysis of the geotechnical data compiled during the 2010 drill season and from previous drilling campaigns indicated that the Kemess North orebody is well suited to block caving. The envisaged block cave operation would leverage the existing infrastructure and mill facilities at the Kemess South mine, including a permitted area for tailings storage in the Kemess South open pit. As of December 31, 2010, the Kemess Underground Indicated Mineral Resource is 136.5 million tonnes grading 0.56 g/t Au and 0.29% Cu.

On October 26, 2011, Toronto, Ontario-based AuRico Gold Inc. announced it had completed the acquisition of Northgate Minerals Corporation. In a news release dated March 28, 2012, AuRico outlined its plans to fund a US\$7 million work program at Kemess North in order to complete a Feasibility Study of the proposed underground operation. In a subsequent news release dated April 15, 2013, AuRico announced results from the Feasibility Study that outlines the proposed

development of an underground block cave operation with average annual production of 105,000 ounces of gold and 44 million pounds of copper at cash costs of \$213 per ounce of gold, net of by-product credits, over a mine-life of approximately 12 years.

At Kemess North, a sub-volcanic quartz monzonite stock and related dikes have intruded Takla Group volcanic rocks. Porphyry-style copper-gold mineralization is hosted in potassically-altered zones developed both within the monzonite and adjacent country rock. Higher grade copper-gold mineralization is associated with stockworks, veins and disseminations of pyrite, chalcopyrite and magnetite that form as replacements of earlier ferromagnesian silicate minerals. Outward from the potassically-altered zone, the onset of a propylitic alteration assemblage of chlorite, carbonate, pyrite, pink zeolite and minor epidote is marked by a pronounced decrease in copper and gold concentrations.

Figure 6: Schematic Model for Toodoggone Epithermal Mineralization



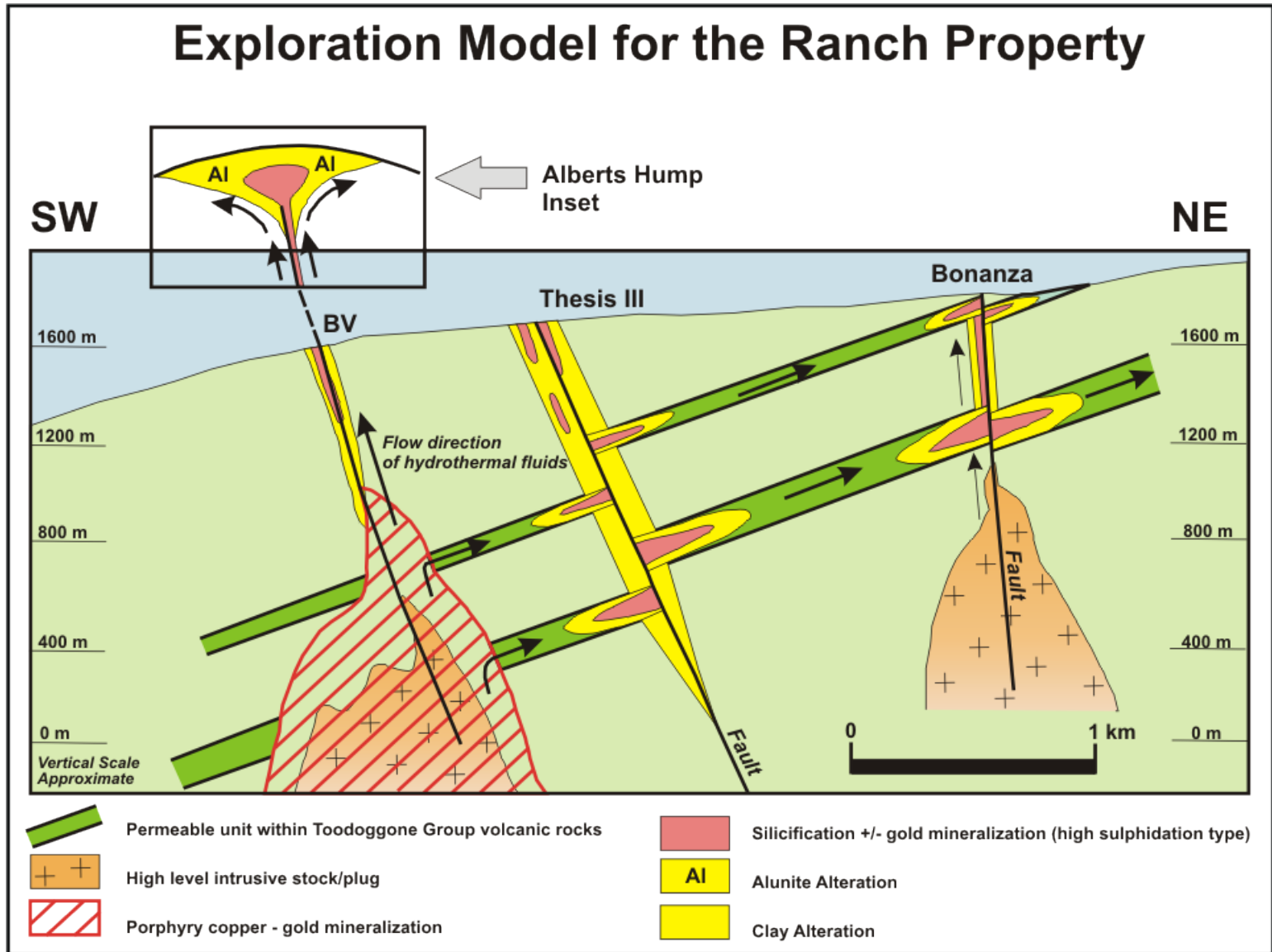
5.2. RANCH PROPERTY MINERALIZATION AND DEPOSIT TYPES

All known significant gold mineralized zones on the Ranch property are hosted by silica-sulphate and silica-sulphide bodies flanked by argillically altered zones. They are controlled by moderately to steeply-dipping fault zones with north-northwesterly, northwesterly and northeasterly orientations. The gold-bearing zones have a crudely elliptical shape and are discontinuous along the controlling fault systems. Alteration is of the high-sulphidation (acid-sulphate) epithermal type, characterized by widespread argillization and silicification of andesite-dacite hosts rocks. Important alteration assemblages include alunite-quartz, hematite-illite-quartz, dickite-quartz, quartz-barite and quartz-pyrite, working inwards and downwards in a typical, zoned epithermal alteration system. Principal ore minerals include argentite, electrum, native gold and silver and lesser chalcopyrite, galena and sphalerite.

The primary exploration target on the Ranch property is a structurally-controlled or replacement-style high sulphidation epithermal gold deposit similar to those previously discovered on the property. A secondary, but no less important target type is a buried porphyry copper-gold deposit for which earlier magnetic and IP surveys have partially delineated coincident geophysical anomalies possibly indicative of this deposit type.

An exploration model for both high sulphidation gold and related porphyry-type copper-gold mineralization is depicted in Figure 7. It shows a schematic representation of both structurally-controlled (eg. the BV and Thesis III Zones) or replacement-style (eg. the Ghost Zone at Bonanza) gold-mineralized zones located at or near surface. Similar mineralized zones are postulated to lie at depth, along favourable fault structures or within more permeable volcanic strata of the Toodoggone Formation. Enveloping the siliceous gold-bearing host rocks are variably developed zones of intense argillic alteration which at depth are shown to be less well developed and admixed with some sericitic (phyllic) alteration. Also shown at higher or the highest levels in the vertical epithermal column are broad zones of quartz-alunite alteration (eg. Albert's Hump Zone) and massive silica caps (eg. Patti or Steve's Zones), both of which may be underlain by gold-mineralized zones of some size. Another component of the model are low-grade to geochemically anomalous pyritic siliceous zones known to underlie higher grade mineralization at the Bonanza and Thesis III zones and which are likely present at moderate to greater depths elsewhere on the property.

Figure 7: Ranch Project - Exploration Model



5.2.1. Review of Known Prospects

As mentioned in Section 2.4, past work has identified 19 zones of gold mineralization distributed over a 25 km² area. The description of known prospects that follows includes Bonanza, Thesis III and BV, the three zones which have seen past production, as well as seven other zones visited by the authors in September 2013. For detailed descriptions of all zones, including technical aspects of past drilling, the reader is referred to Bowen (2012).

Bonanza Zone

The Bonanza deposit occurs within a structurally complex zone of silicification and clay alteration, at the intersection of the north-northwestly trending Bonanza fault system and the northeasterly-trending Ghost fault system. The deposit has been extensively trenched and drill-tested over a north-south strike length of about 450 m down to, on average, vertical depths of about 100 m. At its widest, the alteration zone exceeds 100 m in width. Year 2007 drill holes completed by Christopher James Gold Corp. show that while well-developed silica-pyrite zones persist to vertical depths of 125 m to 150 m or more, gold values exceeding 1.0 g/t were rarely encountered below about 60 m to 70 m vertically below surface. There remains the possibility that steeply plunging mineralized shoots may persist to greater depths than those encountered in the 2007 drill holes.

Gold-bearing silicification in the deposit core ranges up to about 20 m in true width. Individual shoots dip vertically to moderately westerly. Gold grades usually exceed 1.0 g/t and range up to several hundred grams per tonne in localized, erratic high grade sections. Their random distribution does not appear to be the result of post-mineral dislocation; they are thought to be an intrinsic feature of the Bonanza deposit. Pyrite is common below depths of about 10 m; its content ranges from 1-5%, and is locally higher. Copper sulphides, notably chalcopyrite, bornite and covellite, and lesser copper sulphosalts, occur in certain zones.

The overall surface alteration pattern shows a series of broad silica-altered zones in the center of the deposit which trend northeasterly. In cross-section, they appear sheet-like, dip moderately to the west or southwest and alternate with sections of relatively unaltered andesite tuff. The silica zones are thought to have formed from the selective replacement of more permeable tuff units within the volcanic strata. They are characterized by strongly silicified rock with high porosity, very low barite content, moderate pyrite content and locally heavy copper sulphide content. This style of mineralization offers the potential for development of thicker ore zones which may be more amenable to open pit mining or bulk underground mining methods such as sub-level cave or room and pillar.

Also present in the central and northeastern parts of the Bonanza deposit area is a northeasterly-trending, 10-20 m wide, rhyodacitic quartz-feldspar porphyry dike which truncates alteration and mineralization and is itself locally offset by several strands of the Ghost fault system.

Thesis III Zone

The Thesis III deposit is located about 1.8 km southwest of the Bonanza Zone. It occurs within a complex alteration zone hosted by the northwest-trending Thesis fault system, which also hosts the Thesis II deposit 400 m to the southeast and other mineralized zones to the northwest, including the Bingo deposit.

The Thesis III deposit has been extensively trenched and drill-tested over a strike length of about 300 m down to, on average, vertical depths of about 100 m. At its widest, the alteration zone exceeds 100 m in width. It is comprised of three distinct core zones of silicification (known as "A", "B" and "C") separated and surrounded by haloes of intense argillic alteration developed in a porphyritic andesite host rock. In contrast to Bonanza, Thesis III contains broad argillic alteration halos around the core silica zones, suggesting that they are less telescoped than the relatively narrow argillic alteration halos at Bonanza.

In plan view, the alteration pattern as a whole appears to be roughly elliptical. The central "A" zone is flanked by a linear "B" zone to the southwest and a roughly circular "C" zone to the northeast. At surface, all three zones narrow rapidly to linear silicified zones to the northwest; exposure to the southeast is limited by locally deep overburden, transported gossanous material and steep, gullied topography. The concentration of higher gold values, brecciation and veining in the central "A" zone suggests the majority of the pre- and syn-hydrothermal activity and structural disruption was confined to this zone.

Moderate to high grade gold mineralization is directly associated with barite and is hosted by silicified, brecciated and micro-fractured rock with a characteristic porous, vuggy texture, resulting from the leaching of corroded, clay-altered plagioclase phenocrysts. Vugs are partially filled or lined with barite crystals. Some coarse gold, up to 2 mm in diameter, occurs as dendritic or mossy crystals growing on barite or lying along quartz-barite crystal boundaries. Most of the gold, however, is on the order of 10-100 microns in diameter.

Trench results returned up to 36.42 g/t (1.06 oz. per ton) Au over 26.4 m (86.6 ft.), including several individual 0.5 m-long channel samples which assayed in the 100-400 g/t Au range. In drill holes, the best values are mainly within 15 m of surface.

Christopher James' 2007 drilling program at Thesis III generally tested the zone at greater depths and returned low grade (<3.0 g/t Au) intercepts over lengths of 1 to 6 m; true widths of the intercepts are not known. In the 2007 drill logs, no visible gold is noted.

BV Zone

The BV (Barite Vein) Zone is located about 900 m southwest of the Thesis III Zone and lies along the major northwest-trending BV fault. It has been explored by trenching and drilling over a strike length of about 350 m and reportedly remains open along strike in both directions. The northern half of the zone trends west-northwest and is hinged to a southern half that trends northwesterly. Most of the drilling and trenching has taken place within a 180 m-long segment of increased dilation located immediately west-northwest of the hinge area. Here the alteration zone attains widths of up to about 40 m and the main BV structure dips steeply to the north. An upwards-converging, hangingwall splay dips about 30° to the north, and pinches out at about 25 m below surface.

The silicified gold-bearing core itself averages about 10 m in width and overall is more vein-like in character and more continuous along strike than the other main zones. It contains one or more sub-parallel, 0.2 to 2.0 m wide barite veins which contain the bulk of the gold mineralization. The occurrence of minor galena and chalcopyrite in the zone, its higher than average silver content and the chalcedonic rather than porous and sinter-like texture of the silica all suggest a deeper epithermal emplacement for the BV deposit relative to the Bonanza and Thesis III deposits. Historical drilling indicates that gold mineralization in the BV Zone persists to at least 50 m below surface, to about the 1,535 m elevation level.

Bingo Zone

The Bingo Zone lies about 600 m northwest of the Thesis III deposit, along the Thesis fault zone. Bingo is comprised of two parallel zones of silicification, including a strongly defined western zone 350 m long, and a shorter, partially "blind" eastern zone. Both zones dip northeasterly, more shallowly at their northwest ends and more steeply at their southeast ends.

Gold grades in Bingo trenches range from moderately anomalous (500 ppb) across widths of 6 to 10 m up to 3.3 g/t Au across 4.4 m. Fourteen 1988 drill holes confirmed these surface indications of large amounts of low grade silica-hosted gold mineralization; several holes also cut a narrower structure or structures 2 to 5 m wide with grades in the 3 to 5 g/t Au range, accompanied by silver and copper values up to 179 g/t and 2.4% respectively. The entire Bingo Zone is strongly anomalous in copper; some individual 0.5 m-long core sample lengths assay up to 3.92%.

Bingo's silver grades are typically higher than most other zones on the Ranch property, with the exception of the Ridge Zone. The highest silver assay from an individual 0.5-long sample interval at Bingo assayed 243.0 g/t in Hole 88-11.

The Bingo Zone is open along strike to the northwest and southeast and to depth. Of particular interest are deeper drill intercepts encountered in the southeastern part of the zone, where several holes yielded wide intercepts of low grade gold mineralization hosted by pyrite and chalcopyrite-bearing silica-altered rock. A 44.0 m-long interval from 106.57 to 150.57 m in Hole 88-12 returned average grades of 1.23 g/t Au, 5.68 g/t Ag and 0.29% Cu, True width of this sulphide-bearing silica intercept is unknown.

The Bingo Zone remains a large and intriguing drill target at depths of 100 m or more. EnergeX suggested that deep-penetrating geophysics would be useful in discerning mineralized zones at depth.

South Hump Zone

On the south flank of Albert's Hump is the South Hump Zone. Here, four well-exposed, northwest-trending parallel bands of silicification, each 5 to 10 m wide and up to 280 m long, lie within a large area of weak argillic alteration and anomalous base metals geochemistry. The silicic zones are vuggy, locally pyritic and/or intensely hematized, and contain minor barite. Historical grab samples of this silicic material returned values up to 2.6 g/t Au and 13.8 g/t Ag.

The soil geochemical patterns in the area do not conform to the northwesterly trends of the silicified zones. There is a large northeast-trending lead-zinc anomaly, with local enrichment of gold and barite. It may represent a mineralized, northeast-trending structure or may be the result of complex geochemical dispersion patterns in the area.

No back-hoe trenching or drilling has been carried out in the South Hump Zone.

Mickey Zone

In 2006, mapping and prospecting work carried out by Christopher James outlined a new zone of interest named the Mickey Zone centered about 500 m north of Thesis II and about 1.4 km southwest of the Bonanza Zone. Systematic panel-chip samples were taken on all outcrops & felsenmeer along a north-south trending corridor some 1,500 m long and 50-150 m wide. High-grade samples in this zone include 80.56 and 9.7 g/t Au. Of a total of 111 samples taken, 49 samples assayed >1 g/t Au and the average of all samples was 1.36 g/t Au. At the end of the 2006 field season, the Mickey zone was considered a high-priority target for the discovery of high-grade gold mineralization in either a single tabular ore shoot or a series of ore shoots.

In 2007, Christopher James tested the Mickey Zone with 9 diamond drill holes totaling 1,340.8 m over a north-south distance of approximately 400 m on three east-west sections spaced about 200 m apart. The holes were inclined at mainly -55° to the east; two holes (07-041 and 042) were inclined -55° to the west.

Vuggy silica-altered rock, similar to that hosting gold mineralization at other zones on the Ranch property, was intersected in three holes and pervasively silicified rock was intersected in two holes. Both the vuggy and pervasively silica-altered intercepts contain abundant disseminated pyrite in the 5-20% range. The metal contents of these zones ranged from <0.01 to 0.19 ppm Au, <1 to 34.3 ppm Ag and up to 732 ppm Cu. True widths of the silica-altered intercepts are unknown.

The range of vertical depths at which the favourable silicified intervals were encountered in the drill holes is from about 90 to 140 m, which is considerably deeper than the known 60 m vertical extent of gold mineralization at the Bonanza Zone. It could be that had the drilling at the Mickey Zone targeted it at shallower depths, any silica-altered zones encountered may have had higher precious metals contents.

There is the possibility that the 2006 surface sampling on the Mickey Zone may not have been taken from bedrock or subcrop, but rather from transported blocks of mineralized rock sourced from an area other than that tested by the 2007 drilling.

Steve's Zone

Steve's Zone is located about 3.5 km south-southeast of the Bonanza Zone. It is a large, roughly ovoid-shaped alteration zone measuring 450 m long by 300 m wide. It is cored by three separate siliceous outcrops separated by zones of silicic or argillic-silicic alteration.

Barite is common only in silicified rocks in the southeastern part of the zone, where it occurs as breccia matrix in zones up to one meter wide, and in massive veins up to 20 cm wide. A one metre-long chip sample taken from a barite-rich breccia zone assayed 2.80 g/t Au. A one metre-long channel sample taken across a 15-20 cm wide barite vein and including about 80-85 cm of silicified wallrock, assayed 1.20 g/t Au. Both samples were collected by Energex in 1985.

No back-hoe trenching or drilling has been carried out in Steve's Zone.

Patti Zone

The Patti Zone is located on the southwest flank of Metsantan Mountain, about 4 km south of the Bonanza deposit. At its southern end is a massive silica outcrop approximately 60 m wide which is surrounded by a large halo of advanced argillic, argillic-silicic and rare silicic-pyritic or

quartz-alunite alteration assemblages. The overall dimensions of the alteration zone are at least 350 m long and up to 250 m wide.

In 1985, Energex carried out geological mapping and rock geochemical sampling in the Patti Zone. Within the massive silica outcrop described above, over an area measuring about 180 m north-south by 50 m east-west, Energex collected 18 grab samples. Of these, 16 returned values of >100 ppb Au, 8 returned values of >1.0 g/t Au and 2 returned values of >5.0 g/t Au, including a peak value of 58.5 g/t Au. In the same area, a 2007 grab sample collected by Guardsmen returned a value of 13.6 g/t Au. About 150 m to the west of this sampled area, near the known western limit of the Patti Zone, six grab samples containing anomalous gold values from >100 ppb up to 3200 ppb define a second northerly trending target area measuring 90 m north-south by about 20 m east-west.

Within the silicified rock, gold mineralization is closely associated with massive barite in veins and breccias. Fracture-controlled barite veins commonly strike east-southeasterly and dip sub-vertically. One 15 cm wide brecciated barite-(quartz) vein observed by Bowen (2013) is oriented at 350°/75° E. The gold-barite mineralization is thought to post-date the main silica-clay hydrothermal event.

In 1986, Lacana Mining Corp. tested the main silicified outcrop with 5 diamond drill holes. The drill holes encountered some mineralization of interest, including: 1.68 g/t Au over 2.0 m from 20.0 to 22.0 m in Hole LM-86-1; 6.58 g/t Au over 0.15 m, in a massive pyrite vein, from 133.85 to 134.0 m, also in Hole LM-86-1; and 2.91 g/t Au over 6.0 m from 58.0 to 64.0 m in Hole LM-86-4. True widths of these mineralized intercepts are not known. To date, the main silicified outcrop has been drill tested to a maximum vertical depth below surface of about 100 m. Lacana did not drill test the gold-bearing zone near the western limit of the Patti Zone.

The trace element geochemistry of Lacana's drill core showed anomalous concentrations of arsenic and antimony. Lacana concluded that the 1986 drilling may have tested part of a weakly mineralized silica cap overlying a possible buried precious metals deposit at depth.

Albert's Hump

At Albert's Hump, located about 3.5 km west-southwest of the Bonanza deposit, quartz-alunite alteration zones crop out at relatively higher elevations, and are flanked at lower elevations by silicic and silicic-argillic alteration zones. In 1982, Texasgulf tested the quartz-alunite zones with two diamond drill holes collared about 500 m apart. The holes encountered intensely altered volcanic rocks carrying anomalous values to 2,280 ppm Zn, 600 ppm Pb and 3.4 ppm Ag; gold values are low, in the 5-20 ppb range. In Hole 82-12, the northeasterly hole, a felsic rhyodacitic intrusive body was encountered from 95 m to the end of the hole at 127 m.

The drilling at Albert's Hump was done without the aid of more sophisticated geophysical survey methods, such as 3D-IP, now commonly used to detect potentially gold-bearing, silica-altered zones at depth.

Bonanza North

A large gold-in-soil anomaly is present north of the Bonanza Zone, in a gently north-sloping area of alpine terrain. It trends northerly and, at a ≥ 100 ppb threshold, measures about 500 m long by about 100-150 m wide. It is by far the largest and strongest gold soil anomaly identified on the property to date (see Figure 8 in Section 6.1).

Two historical trenches near or within the southern part of the soil anomaly returned anomalous gold values. In Trench 87-13A, a 1.30 m-long channel sample containing quartz, barite and sulphides returned a value of 6.15 g/t Au. In Trench 87-23, a 0.80 m-long channel sample of vuggy silica returned a value of 1.25 g/t Au. Other historical trenches in the central and northern parts of the soil anomaly either encountered no significant mineralization or, for several, there are no analyses available in the historical data base.

Anomalous gold values were also encountered in three historical diamond drill holes within or on the west flank of the soil anomaly. Hole 87-100, within the anomaly, intersected 2.52 m grading 1.09 g/t Au in pyritic, siliceous rock. Hole 87-109, on the west flank of the anomaly, intersected 1.83 m grading 3.63 g/t Au (no description available). Nearby Hole 87-110 intersected several 0.5-2.0 m-long mineralized intervals, including 2.0 m of vuggy, brecciated silica grading 1.36 g/t Au and another interval of similar rock grading 7.0 g/t Au over 0.5 m.

6. 2013 EXPLORATION PROGRAM

The 2013 exploration program consisted of two principal exploration components and a third associated aspect. These were:

- 1) establishment and sampling of a 0.65 km by 1.2 km soil geochemical grid that provided coverage of a previously unsampled area on the south slope of Albert's Hump;
- 2) revisiting of nine selected, previously identified gold-mineralized zones, in which limited rock sampling was carried out in seven zones; and
- 3) clean-up of the 2006-2007 Ranch exploration camp.

6.1. SOIL GEOCHEMICAL SURVEY

6.1.1. Sampling Method and Approach

The purpose of the soil geochemical survey was to evaluate an area that had not previously been sampled, and to determine if it held potential for an undiscovered precious metal deposit. The soil grid consisted of 14 east-west oriented lines spaced at 50 m intervals with sample stations set at a spacing of 50 m along the lines. The northern part of the grid covers an area of exposed bedrock near the summit of Albert's Hump. The area covered by the 2013 soil geochemical grid is shown in Figure 8.

The soil samples were collected during the period August 25 - September 1, 2013, by staff of Mountainside Exploration Management Inc. under the direction of Bob Lane, P. Geo., who visited the project prior to the start of the program on August 24, 2013, and under the direct supervision of Scott Gifford of Mountainside Exploration Management Inc. who was present during the entire program. The crew was based in a scaled-down version of Christopher James' 2007 exploration camp located about 500 m southwest of the Bonanza zone. Two ATV's (all-terrain vehicles) were used to travel daily to and from the grid area.

In total, 354 soil samples were collected from the B/C and/or C horizon using pelican devices or hand trowels. Typical depths for the samples ranged between 6 and 57 cm. The B horizon was only locally well-developed, so samples were principally collected from the C horizon. Local swampy depressions and exposed bedrock prevented sampling in several locations of the grid. Samples were put in waterproof kraft paper bags and at the end of each day were hung indoors to air dry until being shipped. Once dry, samples were placed in rice bags and shipped via a commercial truck carrier to Acme Analytical Laboratories Ltd. in Vancouver for analysis.

Analytical results for soil samples, along with grid and UTM coordinates, are compiled in Appendix A.

6.1.2. Sample Preparation, Analysis and Quality Control

The soil samples received by the lab were dried at 60° C and sieved to -80 mesh (<177 microns). A 30 gram sample was digested in hot (95° C) aqua regia (HCl-HNO₃-H₂O). Digested samples were then analyzed by an inductively-coupled plasma mass spectrometry (ICP-MS) method, referred to as Group 1DX by Acme. Analyses for 36 elements including gold were provided. Full analytical results for soil samples are provided by the laboratory certificates presented in Appendix B.

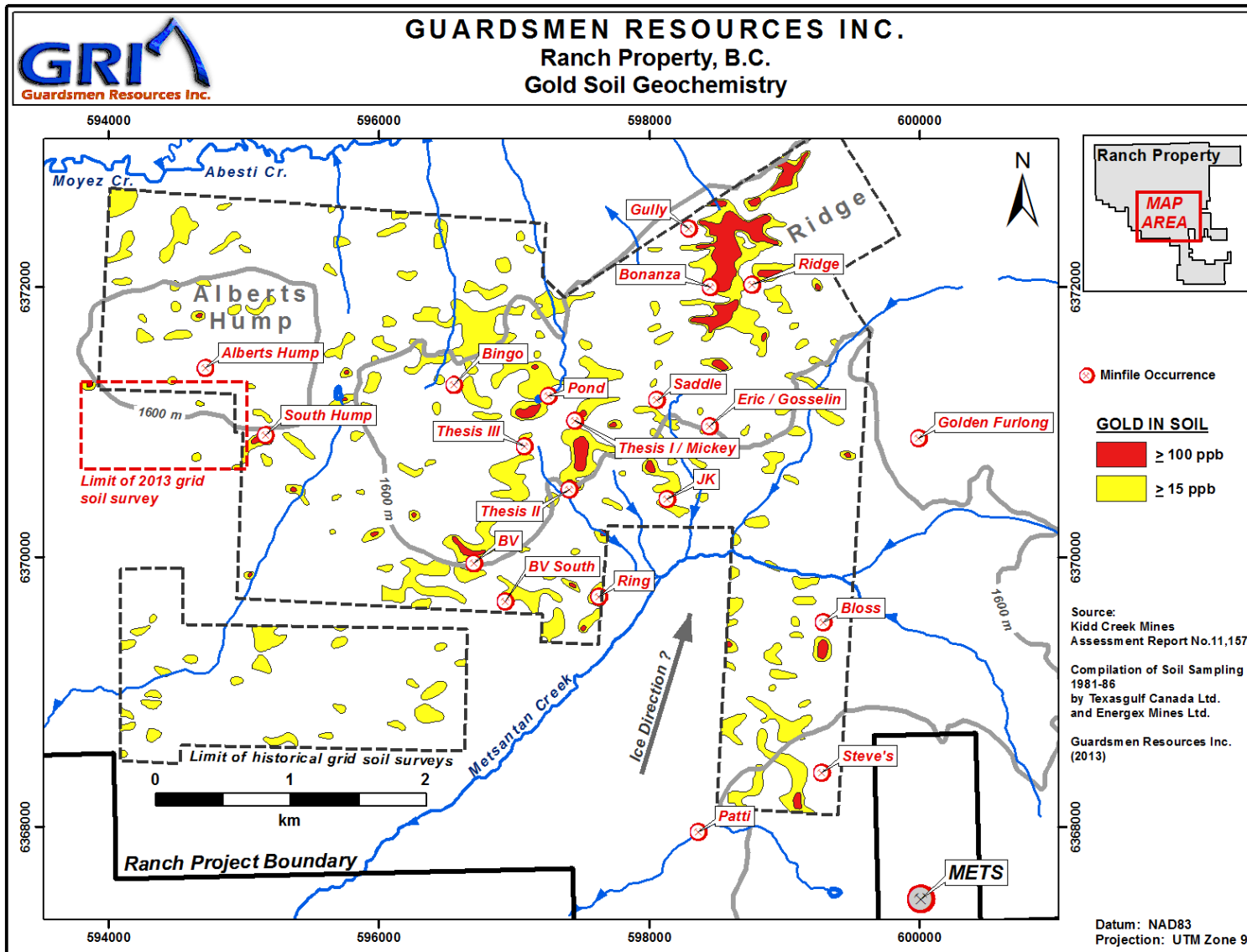
In addition to the blanks and standards inserted into the sample stream by the lab, a quality control (QC) sample pair, consisting of one of two low grade standards (CDN-ME-19 or CDN-

ME-1206) followed by one blank (CDN-BL-10), was inserted by Bob Lane at an average rate of approximately one pair per 50 soil samples. A total of seven QC sample pairs were analyzed in the same manner as the soil samples. A review of the values returned for the blank showed no contamination in sample preparation. A review of the values returned for the standards showed an acceptable range of results. An assessment of Acme's duplicate analysis was not performed.

6.1.3. Soil Geochemical Sampling Results and Interpretation

Gold analytical results for the 2013 soil survey were mostly low with only four samples returning >15 ppb (threshold) values, including 40.3 ppb at 6370650 N / 694950 E, 26.2 ppb at 6370800 N / 694650 E, 27.4 ppb at 6371200 N / 694650 E, and one definitely anomalous value of 228.8 ppb Au at 6371300 N / 693900 E. A 'bubble' anomaly map for gold (Figure 9) shows that all four sample sites are isolated from one another and, with the exception of the latter site, do not represent anomalies of interest. The 228.8 ppb Au anomaly in the northwest corner of the grid area remains open to the northwest.

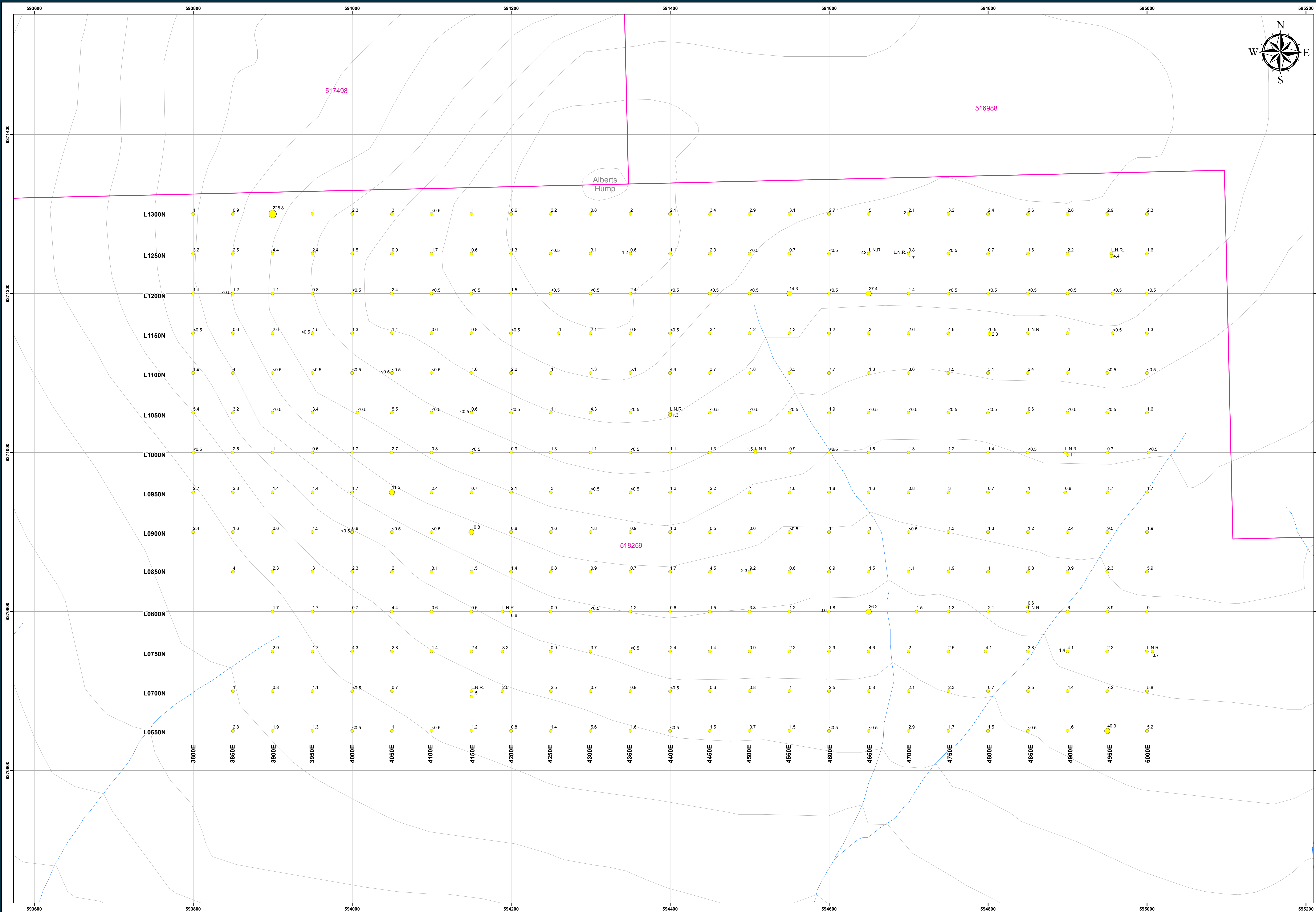
Figure 8: Location of 2013 Soil Grid Relative to Historical Soil Grids



Sample

- Gold (ppb<10)
- Gold (ppb>10)
- Gold (ppb>100)
- Stream
- Contour
- ▭ Mineral Tenure Guardsmen (100%)

20k Mapsheets 94E43
Date: 12/02/14
Projection: NAD 1983 UTM Zone 9N
Scale: 1:20,000
Author: Bkwilowski
Last Modified By: Bkwilowski
Checked By: BL
Revision #:



6.2. 2013 SITE VISIT

On September 2 and 3, 2013, the authors carried out a site visit to the Ranch Project, with the objective of familiarizing themselves with many of its known gold-mineralized zones which previously they had not examined in the field. On September 2, four zones were visited by Bowen via all-terrain vehicle (ATV) transport and two independent verification samples of mineralized surface bedrock were collected. On September 3, using helicopter transport, five more zones were visited and twelve verification samples of mineralized and unmineralized outcrop, subcrop and angular float were collected jointly by Bowen and Lane.

Sample results for the various zones are discussed under separate sub-headings below. A location map for the 2013 verification samples is presented in Figure 10. Table 4 lists analytical results for gold and silver and provides descriptions for the 2013 verification samples.

6.2.1. Sample Collection & Preparation

Rock samples collected for analyses were mainly composite or select grabs of variably mineralized, altered or unmineralized (wallrock) material. They were taken for the purpose of determining what gold and silver concentrations might accompany a given mineralization type or occurrence.

About 2-3 kg of sample material was placed into an 8 inch by 13 inch, 2 mil plastic bag and numerically labeled with a sample number identical to that of a felt pen-labeled 4 inch piece of flagging placed inside the sample bag. Each sample bag was securely closed with a "zap strap".

For each sample, the following field notes were recorded: sampler; property name; target area; date; sample site coordinates (UTM, NAD 83 - Zone 9); sample number and rock sample description. Features of the sampled zone were also recorded. These included size of the occurrence, its orientation (strike and dip if measurable), host rock, sulphides present and their amounts in percent, and any other data that would aid in later interpretation after receipt of analytical results. All field notes were later compiled into a digital file.

The samples were placed in three sealed rice bags and shipped via helicopter, pickup truck then Greyhound Express to Bowen's home office in Surrey, B.C. Here each sample was photographed and further examined using a hand lens and a binocular microscope. Along with a shipment notice, they were then hand-delivered by Bowen to Acme Analytical Laboratories Ltd's main facility in Vancouver, B.C.

In the Acme lab, one kilogram of material was crushed to 80% passing 10 mesh, from which a 250 gram split was pulverized to 85% passing 200 mesh. From the pulverized "assay pulps", 15 gram splits were analyzed for 36 elements (including gold) by Inductively Coupled Plasma - Mass Spectrometry.

Over-limit gold analyses were later fire assayed (30 gram split - gravimetric). Quality control/quality assurance (QA/QC) samples were done only at the laboratory.

Figure 10: 2013 Rock Sample Locations and Gold Results

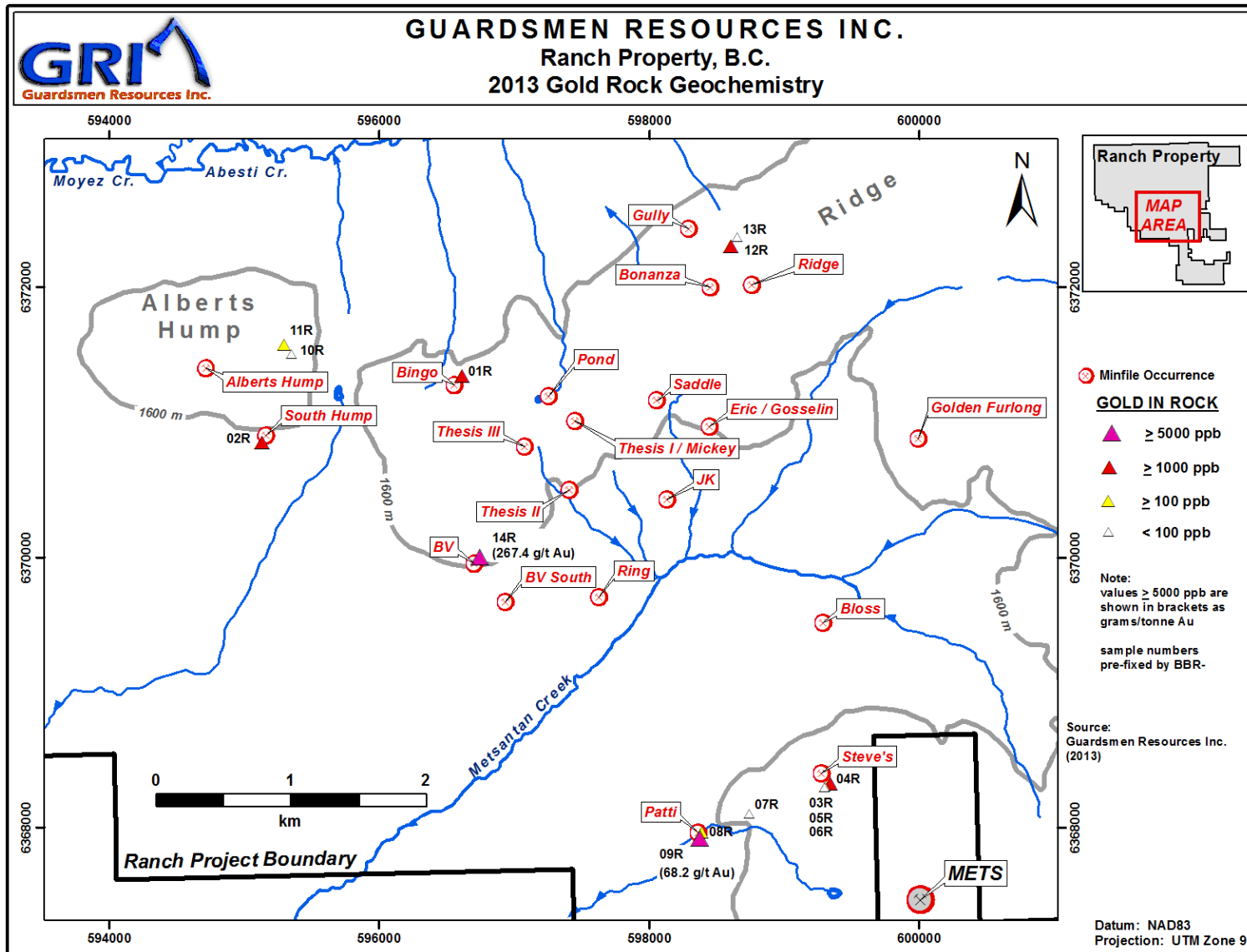


Table 4: 2013 Rock Sample Descriptions and Gold-Silver Results

Sample ID	UTM Co-ord. (NAD 83)		Gold		Silver	Remarks
	East	North	Au (ppb)	Au (g/t ¹)	Ag (ppm)	
BBR-01R	596613	6371342	1101.7		1.8	Bingo Zone: random chip sample over 1 meter diameter outcrop; same location as 2006 rock sample # 7874 (420 ppb Au); strongly silicified rock, locally vuggy with well-developed barite crystals in vugs; generally rusty (limonitic) with darker goethite spots possibly after disseminated Py; non-magnetic
BBR-02R	595132	6370851	2743.1		6.6	South Hump Zone: select grab sample of rusty (limonite-goethite), silicified volcanic rock; taken from shallow blast pit within which is 2006 rock sample # 7959 (515 ppb Au); locally vugs contain greater concentrations of goethite; possible trace barite; non-magnetic
BBR-03R	599345	6368338	10.5 11.1 (REP ²)		0.4 0.5	Steve's Zone: random grab sample of intensely silicified rock with a crypto-crystalline texture; generally rusty (limonite > goethite) weathered surfaces; locally vuggy with greater concentrations of goethite in vugs; also one <1 mm wide goethite fracture-filling possibly after Py; non-magnetic
BBR-04R	559339	6368330	1150.3		0.7	Steve's Zone: select grab sampe of calcite-quartz-barite veinlet cutting altered host rock consisting of pale grey intermediate volcanic rock; non-magnetic; veinlet is 2 cm wide and oriented at 125°-90°
BBR-05R	599304	6368308	3.5		0.3	Steve's Zone: random grab sampe of massive crypto-crystalline silica with minor limonite coating some fractures; non-magnetic
BBR-06R	599297	6368297	6.8		0.2	Steve's Zone: random grab sampe of massive crypto-crystalline silica with minor limonite; similar to BBR-05R; non-magnetic
BBR-07R	598742	6368106	1.4		< 0.1	Patti Zone: composite grab from Fe-oxide 'frost boil' with angular float to subcrop of pale grey intermediate volcanic rock; 0.5-1% fine-grained diss. Py; texture of silica is more granular rather than crypto-crystalline; non-magnetic
BBR-08R	598381	6367986	223.6		4.1	Patti Zone: composite chip from outcrop; pockets of med. grained crystalline barite in silicified and locally 'frothy' silica; faint banding in silica-rich zones follows 000°/42°E; pockets of limonite and trace relict Py; host rock is dacitic volcanic rock
BBR-09R	598361	6367938	80725.4	67.4 69 (NP-R ³)	3.3	Patti Zone: select grab sample of brecciated barite-(carbonate) vein with wallrock fragments of crypto-crystalline silica as vein inclusions; vein is ~15 cm true width and is oriented at 350°, dipping 75° E; fractures are dusted with very minor limonite; non-magnetic
BBR-10R	595356	6371503	8.1		0.5	Albert's Hump: select grab sample of sugary-textured, fine-grained silica (commonly vuggy); vugs lined with limonite; sample site near zone of intense, white-coloured clay alteration zone
BBR-11R	595302	6371573	113.2		0.1	Albert's Hump: composite chip from outcrop; pervasively silicified rock, 2/3's of which exhibits vuggy texture similar to BBR-10R; remainder of sample is more massive, fine-grained silica; rock is cut by occasional <1mm scale qtz. vlt; weak-mod. limonite on weathered surfaces and in vugs; non-magnetic
BBR-12R	598604	6372305	1597		0.7	Bonanza North: select grab of pervasively silicified rock (vuggy +/-) with fairly abundant tabular barite crystals; sample taken from (likely local) subcrop/felsenmeer material in rock-piled berm on south side of old trench; weak to locally mod. limonite on fractures and in vugs; non-magnetic
BBR-13R	598604	6372305	10.1		0.2	Bonanza North: same location as BBR-12R; select grab of pervasively clay-altered rock with some fine silica; rock is indurated with moderate+ limonite; non-magnetic
BBR-14R	596723	6369980	>100,000 >100,000 (REP)	275.3 285.7 (REP) 272.2 (NP-R ³) 236.2 (NP-R-REP ⁴)	49.5 51.8	BV Zone: 0.6 m-long channel sample collected on east wall of pit across a portion of northeast-dipping barite vein; barite is white, coarse-grained and crystalline (tabular habit); trace fine-grained sulphides; some limonite on fractures and locally indurated; non-magnetic

Notes:

- ¹ g/t = gram(s) per metric tonne
- ² REP = repeat assay from same pulp
- ³ NP-R = new pulp from sample reject material
- ⁴ NP-R-REP = repeat assay of same pulp from sample reject material

6.2.2. Verification Sample Results

Bingo Zone

The Bingo Zone was briefly visited on September 2. Several trenches were examined and 3 diamond drill hole collar posts were located, including Hole 88-12 at UTM coordinates 6371189 N / 596664 E. This hole is located in the southeast part of the Bingo Zone and reportedly intersected a 44.0 m-long interval (true width unknown) from 106.57 to 150.57 m which returned average grades of 1.23 g/t Au, 5.68 g/t Ag and 0.29% Cu.

At UTM coordinates 6371342 N / 596613 E, in the floor of an old trench, a random 2013 chip sample (BBR-01R) taken over a one meter diameter outcrop of baritic, strongly silicified rock returned a value of 1101.7 ppb Au. A 2006 rock sample (#7874) taken by Christopher James within the same outcrop returned a value of 420 ppb.

South Hump Zone

The South Hump Zone was briefly visited on September 2. A shallow blast pit at UTM coordinates 6370851 N / 595132 E has exposed silicified volcanic bedrock within which a 2006 rock sample (#7959) taken by Christopher James returned a value of 515 ppm Au. The author's 2013 select grab sample (BBR-02R), taken from the same blast pit, returned a value of 2743.1 ppb Au.

Thesis III Zone

The Thesis III Zone was briefly visited on September 2. Two photos of the reclaimed drill area were taken. No verification samples were collected.

Mickey Zone

The southern end of the Mickey Zone was briefly visited on September 2. Two areas of strongly silicified felsenmeer(?) or possible float were examined. Sampling of these two areas by Christopher James in 2006 returned values of 739 and 1257 ppb Au (sample #'s 7879 and 7881 respectively). No 2013 verification samples were collected at either sample location.

Steve's Zone

Steve's Zone was briefly visited on September 3. On a prominent knoll, three random grab samples (BBR-03R, -05R and -06R) of intensely silicified volcanic(?) rock returned low gold values of 10.5 ppb, 3.5 ppb and 6.8 ppb respectively. A select grab sample (BBR-04R) of a narrow calcite-quartz-barite veinlet cutting the silicified wallrock returned a value of 1150.3 ppb Au. The latter result is consistent with historical (1985) sampling results in Steve's Zone, which show that higher gold values are associated with barite in veins and barite-rich breccia zones cutting intensely silicified wallrocks.

Patti Zone

The Patti Zone was briefly visited on September 3. The highlight of three verification samples collected were results from BBR-09R which returned an initial ICP-MS value of 80725.4 ppb Au. An over-limit fire assay from the same pulp returned a value of 67.4 g/t Au (1.97 oz. Au per ton). A fire assay of a second pulp produced from sample reject material returned a value of 69.0 g/t Au (2.01 oz. Au per ton). BBR-09R is a select grab sample of a 15 cm wide, brecciated barite-(quartz) vein with wallrock fragments of crypto-crystalline silica as vein inclusions (Plate 1). A photomicrograph of a polished thin section from a piece of the vein shows micron size gold particles disseminated in barite gangue (Plate 2).

The high grade gold values of BBR-09R confirm reported historical high grade values (to 58.5 g/t Au) in barite veins which cut a large outcrop of intensely silicified rock in the southern part of the Patti Zone.

Albert's Hump

A prominent alunite alteration zone on the east slope of Albert's Hump was briefly examined on September 3 (Plate 3). Its northeast limit is marked by a linear gully trending northwesterly and, based on observed outcrop and felsenmeer, the alunite zone appears to be about 60 m wide. Two verification samples were collected within the alteration zone. BBR-10R is a select grab of sugary-textured, commonly vuggy, fine grained silica; it returned a value of 8.1 ppb Au. BBR-11R is a composite chip taken from a pervasively silicified outcrop exhibiting both vuggy and massive textures; it returned a weakly anomalous value of 113.2 ppb Au.

BV Zone

The past-producing BV open pit was briefly visited on September 3. A 0.6 meter-long channel sample (BBR-14R), collected on the east wall of the pit across the footwall portion of the northeast-dipping BV (barite +/- quartz) vein, returned a very high ICP-MS value of >100,000 ppb Au. Subsequent fire assays from both the original pulp and a second pulp from sample reject material returned an average value of 267.4 g/t Au (7.80 oz. Au per ton). True width of the BV vein at this sample location is unknown.

A photomicrograph of a polished thin section, from a piece of the vein material comprising sample BBR-14R, shows micron size gold forming convoluted "wires" precipitated in quartz gangue (Plate 4).

Bonanza North

The area containing the large gold soil anomaly north of the Bonanza Zone (see Figure 8) was examined by the authors September 3. The purpose was to investigate the extent to which the soil anomaly had been tested by historical trenching and to prospect for altered and mineralized outcrop and/or angular float within the anomaly.

At 6372305 N / 598604 E, near the east end of an old trench, a select 2013 grab sample (BBR-012R) returned an anomalous gold value of 1597 ppb. The sample consisted of locally vuggy, intensely silicified rock containing fairly abundant, tabular barite crystals. It was taken from (likely local) subcrop/felsenmeer material in a rock-piled berm on the south side of the trench.



Plate 1: Patti Zone, brecciated barite-(quartz) vein with wallrock fragments of cryptocrystalline silica (sample BBR-09R)

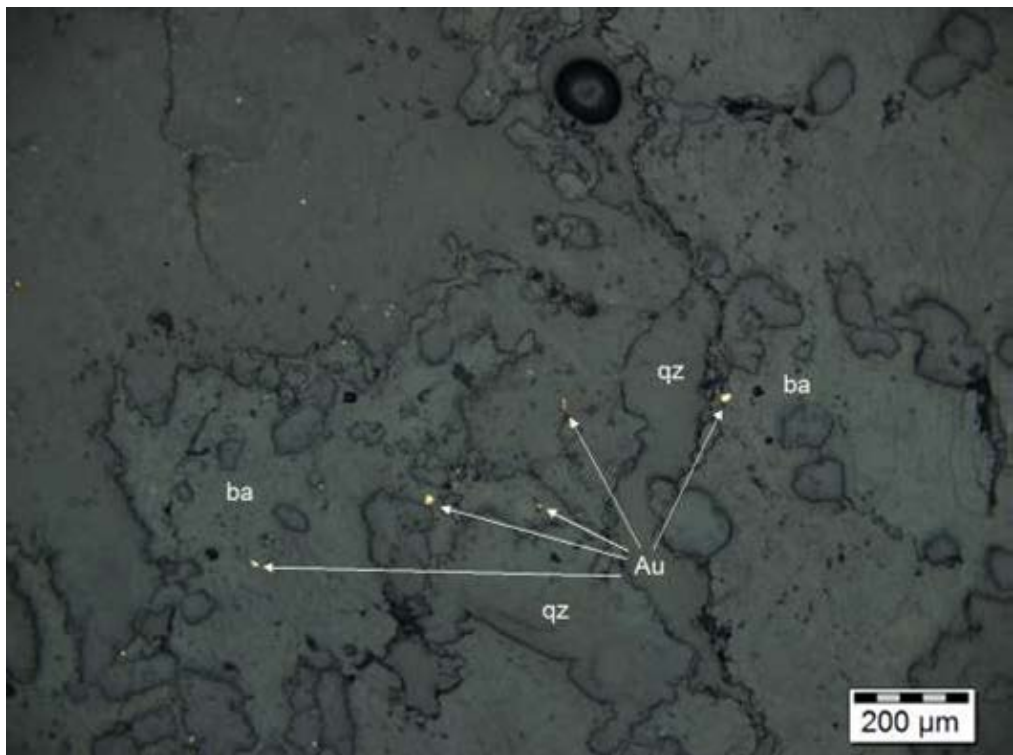


Plate 2: Patti Zone, micron-size gold particles disseminated in barite gangue, photomicrograph of polished thin section from sample BBR-09R



Plate 3: Prominent alunitic alteration zone on the east slope of Albert's Hump.

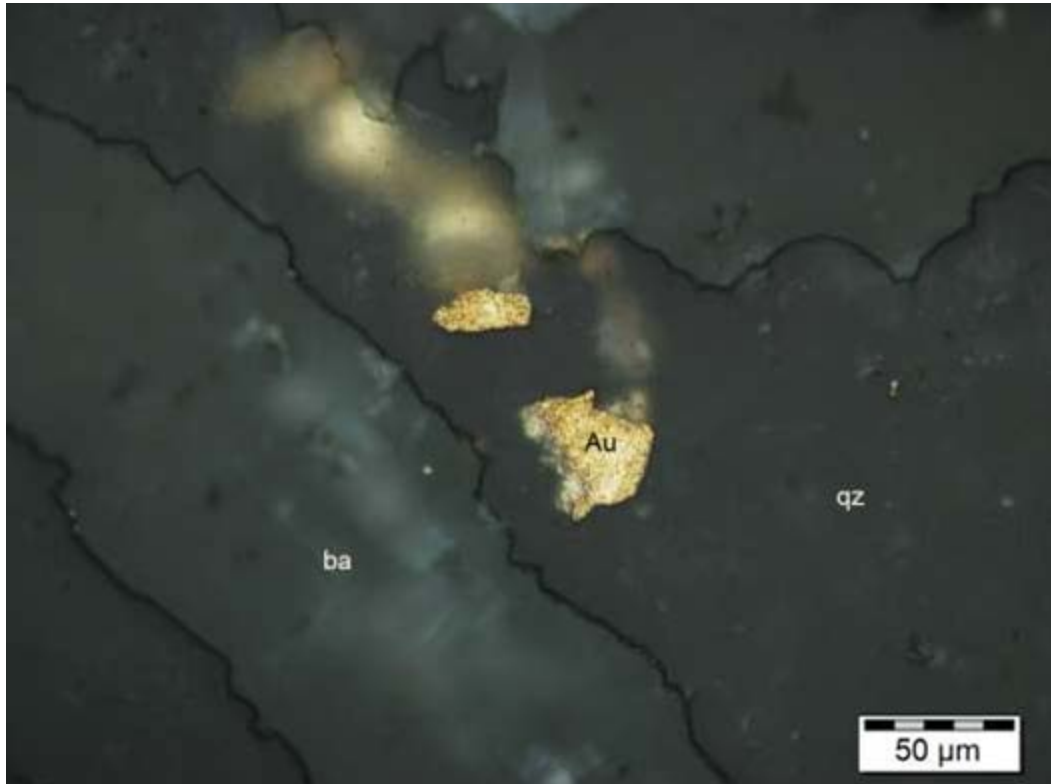


Plate 4: Photomicrograph of BBR-14R (BV Vein) showing gold forming convoluted "wires" precipitated in quartz

7. DISCUSSION AND CONCLUSIONS

The Ranch property covers 19 known epithermal gold±silver mineralized zones, three of which were briefly developed in the early 1990's to provide a combined 41,000 tonnes of ore to the nearby Lawyers mine for processing during its waning stages of operation. This small-scale open pit mining activity yielded approximately 10,000 ounces gold. Since that time several campaigns of diamond drilling evaluated the more advanced stage targets in an effort to establish resources. However no NI 43-101 compliant resources have been estimated.

The 2013 exploration program consisted of two principal elements: (i) a soil geochemical survey to cover one of the unsampled areas outlined during compilation of the historical data; and (ii) inspection and sampling of several of the known epithermal gold-silver zones aimed at increasing the authors' understanding of the significance of each prospect. In addition to the exploration conducted, workers also cleaned up the Ranch project camp which had been idle since the 2007 exploration season.

Highlights of the 2013 work program include:

- On the northern most line of the grid soil survey, on the west-facing slope of Albert's Hump at L1300N / 3900E, a strongly anomalous value of 228.8 ppb Au was obtained. The anomaly remains open to the northwest.
- In the Patti Zone, select grab sample BBR-09R, taken from a 15 cm wide brecciated barite-(quartz) vein, returned fire assay values up to 69.0 g/t Au (2.01 oz. Au per ton). The high grade gold values of BBR-09R confirm reported historical high grade values (to 58.5 g/t Au) in barite veins which cut a large outcrop of intensely silicified rock in the southern part of the Patti Zone.
- In the BV pit, a 0.6 meter-long channel sample (BBR-14R), collected on the east wall of the pit across the footwall portion of the northeast-dipping BV vein, returned several very high fire assays averaging 267.4 g/t Au (7.80 oz. Au per ton). This result indicates that there may be potential for delineating a small tonnage of high grade material amenable to selective open cut extraction.
- Within the large gold soil anomaly in the Bonanza North area, sample BBR-12R returned an anomalous value of 1597 ppb Au. It was taken from vuggy, silicified, baritic subcrop or felsenmeer, suggesting that at least a portion of the gold soil anomaly in this target area is sourced locally.
- In the Bingo and South Hump Zones, rock samples BBR-01R and -02R returned anomalous values of 1101.7 and 2743.1 ppb Au respectively. The locations of these two samples correlate with sample #'s 7874 and 7959 taken by Christopher James in 2006. The latter two samples returned anomalous values of 420 and 515 ppb Au respectively. Thus, in these two zones, limited 2013 verification sampling has confirmed the presence of gold-bearing rocks previously identified by Christopher James and earlier workers.

Considerable exploration potential remains on the Ranch Project. All known gold deposits and prospects on the property have been discovered by conventional methods which employed soil geochemistry followed by prospecting, mapping, rock geochemical sampling, trenching and finally diamond drilling. Since the cessation of major surface exploration programs carried out during the period 1981-88, later work has consisted mainly of diamond drilling which yielded only incremental increases to the property's resource base because of the tendency of post-1988 operators to overlap one another's' work areas without specifically designing their programs to test for potential extensions to known zones or to explore for new zones.

Future discovery of overburden covered near-surface gold deposits, or "blind" deposits at depth, will have to rely more on the drill-testing of geophysical targets such as coincident 3D-IP resistivity-chargeability anomalies. The primary exploration target on the property will remain as structurally-controlled or replacement-style high sulphidation epithermal gold deposits similar to those

previously discovered on the property. A secondary, but no less important target type is a buried porphyry copper-gold deposit for which earlier magnetic and IP surveys have partially delineated coincident geophysical anomalies possibly indicative of this deposit type.

8. RECOMMENDATIONS

Additional work is recommended for the Ranch property. Specific follow-up to the 2013 work program includes:

- The 2013 soil geochemical grid should be extended to the north and west by 0.5 km or more to cover areas that may reveal meaningful geochemical trends related to the isolated anomaly identified in 2013.
- Systematic, detailed channel sampling of the BV Vein, exposed on the east wall of the BV pit, is recommended in order to determine typical or average grades of the mineralized structure at surface. A series of shallow definition diamond drill holes, with collars spaced at intervals of 25 m or less, is recommended as a follow-up program should the results of the channel sampling warrant it.
- In Patti and Steve's Zones and in the area between them, 3D-IP surveys should be completed over an area of about 1 km². Purpose of the survey would be to identify zones of silica +/- sulphides which, if warranted, would be later tested by diamond drilling to determine if they contain potentially economic concentrations of gold +/- silver.
- 1,500 m of excavator trenching is recommended to further evaluate the Mickey, Bonanza North and South Hump Zones. For Mickey and Bonanza North, trenching is required to either upgrade or down-grade these two large target areas, both of which may or may not be related to transported blocks of mineralized rock sourced from an area other than that tested by past drilling or trenching.. For the South Hump Zone, initial trenching is warranted to follow-up encouraging surface rock sampling results of earlier workers.
- A modest 600 m diamond drilling program should be completed in the southeastern part of Bingo Zone where, in Hole 88-12, a reported 44 m-long intercept returned average grades of 1.23 g/t Au, 5.68 g/t Ag and 0.29% Cu. The first proposed hole would be a direct twin of Hole 88-12; the other two would be 50 m step-outs from the first hole.

The cost of the recommended geochemical, geophysical and diamond drilling program is estimated to be \$500,000.

9. ITEMIZED COST STATEMENT – 2013 RANCH PROJECT

Ranch Project - 2013	COST STATEMENT DETAILS	Dates Worked	# Days	Rate/Day	Amount	TOTALS
Schedule A - Crew Personnel						
Crew - Wages & Salaries						
Gifford, Scott	Project Manager	Aug 19,20,22-31/13 Sept 1-5 & Sept 16-19/13	20.50	632.50	12,966.25	
Bonshor, Buddy	General Labourer	Aug 19,20 & 22-31/13 Sept 1-5 & Sept 11/13	17.50	374.95	6,561.63	
Cochrane, Camino	Camp Chef	Aug 19,20 & 22-31/13 & Sept 1-5/13	17.00	477.20	8,112.47	
Crew - Subcontractors						
Leonard, Jean	Camp Manager	Aug 22/13 & Sept 4-5/13	2.00	460.00	920.00	
Crew - Casual Labour						
Szerensci, Peter	General Labourer	Aug 8-17/13	3.00	173.41	520.23	
			60.00		29,080.58	29,080.58
Schedule B -Room & Board						
Mountainside Exploration Mgmt Inc.	Crew, PGEO and Contractors	Aug 22/13 - Sept 5/13 83 People (Man days) @ \$180.00/day each	15.00	1,145.40	17,181.00	17,181.00
Schedule C - Transporation & Rentals						
Freight						
Plateau Minerals	Rock Samples - Shipping to lab	Oct 1 & 9/13	2.00	181.53	363.06	
Helicopter						
Silverking Helicopters	Crew, gear, Supplies to/from site (Mobe & Demob)	Aug 23,24 & Sept 2-5/13	6.00	5,558.82	33,352.92	
Fuel						
Otter Gas Coop, Petro Can- ada	Dyed Gasoline & Propane	Aug 12,17 & 31/13	3.00	366.00	1,098.00	
Rentals - Equipment						
Mountainside Exploration Mgmt Inc.	Field Equipment Rentals	Aug 22-31/13 & Sept 1-5/13	13.00	389.23	5,060.00	
Rentals -Trucks/Vehicles						
Harbour Ideal Lease	5 Ton Truck	Aug 14-31/13 & Sept 1-23/13	40.00	65.69	2,627.76	
Driving Force Inc	1-Ton Truck Rental, 4x4 Crew Cab	Aug 12-31/13 & Sept 1-23/13	42.00	53.95	2,265.74	
Langley Truck Stop	Rental Truck washes	Sept 23/13	1.00	51.75	51.75	
			83.00		4,945.25	
Travel - Airfare						
Westjet, Air Canada	Crew transportation to/from YVR & PG	Aug 16,18,19/13 & Sept 6,9 & 30/13	6.00	254.54	1,527.26	
Travel - Meals & Accomo- dations						
Carmel, Sandman Inn, Cari- boo Lodge	Crew accomodations Mob/Demob	Aug 20/13 & Sept 17/13	2.00	186.18	372.36	
Subway, Earls, 7-Eleven, Chevron	Crew meals Mob/Demob	Aug 18,19,20/13 & Sept 9,16 & 17/13	6.00	124.16	744.93	
			8.00		1,117.29	
Travel - Fuel						
Chevron, Petro Canada,	Truck Fuel (Mob & Demob)	Aug 11,15,17,19,20 & 31/13 Sept 16,17,30/13	9.00	178.35	1,605.11	

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Esso

Travel -

Transport/Ferries/Taxi

BK Bowen, Plateau Minerals,	Translink, Taxi, Parking and KM Re-imbursements	Aug 12,17,31/13 & Sept 9,13,30/13	6.00	261.26	1,567.58	50,636.47
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Schedule D - Surveys & Contracting

Assays

Acme Analytical Labs	Samples Lab Processing	Oct 7,15,22,24 & 28/13	5.00	1,706.57	8,532.85	
Plateau Minerals Corp.	Geochemical Blanks & Standards	Sept 1-30/13	1.00	122.39	122.39	
			6.00		8,655.22	

Consulting - Geologists

Plateau Minerals Corp.	PGEO Consulting Services	Aug 1-31/13 & Sept 2,3,4/13	34.00	121.87	4,143.57	
B.K. Barney Bowen	PGEO Consulting Services	Sept 1-4/13	5.00	483.00	2,415.00	
Forstgem Consulting	Soil Sampling	Aug 19-31/13 & Sept 1-5/13	18.00	619.82	11,156.72	
			57.00		17,715.29	

Mapping & Plotting

Allnorth Consultants Limited	GIS Mapping Services	Aug 1-31/13	31.00	4.82	149.43	26,519.94
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Schedule E - Reasonable Costs

Report Writing

Plateau Minerals	Report Writing, PGEO		7.00	750.00	5,250.00	
Economou Bookkeeping Services	Cost Statement		1.00	520.00	520.00	
			8.00		5,770.00	5,770.00

Schedule F - Other Costs

Camp Supplies	Staples, Plateau Minerals	Aug 18 & 31/13	2.00	207.53	415.06	
Communications - Satellite Phone	Iridium Phone Usage	Aug 23-31/13 & Sept 1-6/13	15.00	58.63	879.46	
Field Supplies	Canadian Tire, Home Depot & Forestgem Consulting	Aug 13,18 & Sept 13/13	3.00	108.79	326.36	
			20.00		1,620.88	1,620.88

Total Cost Statement	Ranch Project 2013					130,808.87
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11. STATEMENT OF QUALIFICATIONS

I, Robert A. (Bob) Lane, PGeo, residing in Prince George, B.C., do hereby certify that:

- I am currently employed as a consulting geologist by Plateau Minerals Corp, located at #7 – 1750 Quinn Street S., Prince George, British Columbia, Canada.
- I obtained a Master of Science degree in Geology in 1990 from the University of British Columbia.
- I have worked as a geologist for 23 years since my graduation from university.
- I am a Professional Geoscientist (PGeo) registered with the Association of Professional Engineers and Geoscientists of British Columbia, license #18993, and have been a member in good standing since 1992.
- I planned the 2013 exploration program and visited the project on August 24 and on September 3, 2013.
- I am a co-author of this report on the Ranch property entitled "2013 Soil & Rock Geochemical Report on the Ranch Property" dated January 25, 2014.

Dated this 25 day of January, 2014, at Prince George, British Columbia.



The image shows a handwritten signature in blue ink that overlaps a circular professional seal. The seal is for the Province of British Columbia and identifies the holder as R. A. Lane, a Professional Geoscientist. The seal's text includes 'PROFESSIONAL', 'PROVINCE OF', 'R. A. LANE', 'BRITISH COLUMBIA', and 'PROF. GEOSCIEN. TIST'.

Robert A. Lane, MSc, PGeo

11.0 STATEMENT OF QUALIFICATIONS

I, Brian K. (Barney) Bowen, P. Eng., residing in Surrey, B.C., do hereby certify that:

- I am currently a Consulting Geologist with an office at 12470 99A Avenue, Surrey, B.C., Canada.
- I obtained a Bachelor of Applied Science degree in Geology in 1970 from the University of British Columbia, Vancouver, B.C., Canada.
- I have worked continuously as a geologist for 43 years since my graduation from university.
- I am a Professional Engineer (P. Eng.) registered with the Association of Professional Engineers and Geoscientists of British Columbia, license #11374, and have been a member in good standing since 1978.
- I co-planned the 2013 site visit to the property on September 2-3, 2013.
- I am a co-author of this report on the Ranch property entitled "2013 Soil & Rock Geochemical Report on the Ranch Property" dated January 25, 2014.

Dated this 25 day of January, 2014, at Surrey, British Columbia.



Brian K. Bowen, B.A.Sc., P. Eng.



APPENDIX A

Tabulated Analytical Results

For 2013 Soil Samples

ACME ANALYTICAL LABORATORIES LTD.

Final Report

Job Number:

Sample ID	Northing (NAD83)	Easting (NAD83)	Analyte Unit	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	Au PPB	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Hg PPM	Sc PPM	Tl PPM	S %	Ga PPM	Se PPM	Te PPM
L0650N - 3850E	6370650	593850	Soil	0.4	15.3	10.0	55	<0.1	40.6	9.0	533	2.52	40.5	2.8	2.0	20	0.1	4.0	0.1	47	0.43	0.023	16	35	0.57	287	0.014	2	1.76	0.009	0.11	0.2	0.09	5.5	0.1	<0.05	5	<0.5	<0.2
L0650N - 3900E	6370650	593900	Soil	0.3	4.4	4.1	39	<0.1	19.4	3.9	176	1.50	12.8	1.9	0.8	10	<0.1	2.4	<0.1	34	0.18	0.013	8	21	0.33	168	0.014	<1	1.08	0.006	0.04	0.2	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
L0650N - 3950E	6370650	593950	Soil	0.5	5.0	4.3	54	<0.1	16.0	3.9	173	1.93	15.1	1.3	0.4	8	0.2	7.2	<0.1	45	0.15	0.026	7	19	0.30	152	0.007	1	1.27	0.005	0.07	0.3	0.06	1.7	<0.1	<0.05	5	<0.5	<0.2
L0650N - 4000E	6370650	594000	Soil	0.3	5.0	4.3	63	<0.1	22.2	4.6	252	1.70	14.2	<0.5	0.9	14	0.1	2.8	<0.1	34	0.23	0.017	9	22	0.37	207	0.019	1	1.04	0.007	0.06	0.2	0.04	2.5	<0.1	<0.05	4	<0.5	<0.2
L0650N - 4050E	6370650	594050	Soil	0.4	10.4	8.0	57	<0.1	33.5	9.9	523	2.38	25.2	1.0	2.0	24	0.2	1.9	0.1	50	0.46	0.025	13	33	0.55	586	0.012	2	1.89	0.008	0.08	0.1	0.04	5.0	<0.1	<0.05	6	<0.5	<0.2
L0650N - 4100E	6370650	594100	Soil	0.3	6.6	5.2	50	<0.1	20.8	6.0	386	1.92	14.8	<0.5	0.9	23	0.3	4.6	<0.1	39	0.33	0.030	7	20	0.40	392	0.015	1	1.24	0.007	0.08	0.3	0.05	2.8	<0.1	<0.05	4	<0.5	<0.2
L0650N - 4150E	6370650	594150	Soil	0.3	7.2	6.3	44	<0.1	26.3	5.4	300	1.96	12.0	1.2	1.3	26	<0.1	2.5	<0.1	40	0.39	0.036	10	26	0.45	340	0.024	1	1.18	0.011	0.06	0.2	0.05	3.0	<0.1	<0.05	4	<0.5	<0.2
L0650N - 4200E	6370650	594200	Soil	0.3	7.5	7.4	36	<0.1	27.7	7.4	472	1.78	18.7	0.8	1.4	24	<0.1	1.9	<0.1	36	0.29	0.019	10	26	0.44	312	0.027	1	1.12	0.017	0.05	0.1	0.04	3.0	<0.1	<0.05	4	<0.5	<0.2
L0650N - 4250E	6370650	594250	Soil	0.3	7.8	7.3	43	<0.1	25.1	7.5	593	1.87	13.4	1.4	1.1	23	0.1	2.7	<0.1	38	0.29	0.025	9	23	0.41	303	0.025	1	0.99	0.011	0.05	0.2	0.05	2.6	<0.1	<0.05	4	<0.5	<0.2
L0650N - 4300E	6370650	594300	Soil	0.4	38.3	10.3	108	0.4	30.7	9.4	863	2.72	25.3	5.6	2.0	45	0.3	1.9	0.1	53	0.77	0.063	168	30	0.65	1223	0.006	1	2.20	0.008	0.13	0.1	0.10	6.9	<0.1	<0.05	6	<0.5	<0.2
L0650N - 4350E	6370650	594350	Soil	0.3	8.9	7.9	43	<0.1	24.0	8.1	545	1.87	16.9	1.6	1.2	25	<0.1	1.8	<0.1	38	0.27	0.033	14	24	0.43	533	0.026	1	1.09	0.010	0.06	0.1	0.04	3.1	<0.1	<0.05	4	<0.5	<0.2
L0650N - 4400E	6370650	594400	Soil	0.2	9.6	9.6	46	0.1	10.9	5.5	446	2.42	14.6	<0.5	0.9	15	<0.1	0.7	<0.1	26	0.37	0.050	15	12	0.45	471	0.008	<1	1.23	0.007	0.08	<0.1	0.02	2.8	<0.1	<0.05	3	<0.5	<0.2
L0650N - 4450E	6370650	594450	Soil	0.4	19.8	7.3	68	0.6	29.9	7.3	651	2.28	25.1	1.5	1.3	32	0.2	0.6	<0.1	50	0.81	0.088	72	29	0.52	1048	0.007	<1	2.34	0.009	0.10	<0.1	0.09	6.8	<0.1	<0.05	6	<0.5	<0.2
L0650N - 4500E	6370650	594500	Soil	0.4	9.2	6.6	71	<0.1	20.4	6.4	449	2.45	14.3	0.7	0.7	16	0.2	0.7	0.1	51	0.48	0.051	11	21	0.60	623	0.024	1	1.66	0.008	0.06	0.1	0.03	2.9	<0.1	<0.05	6	<0.5	<0.2
L0650N - 4550E	6370650	594550	Soil	0.4	9.3	8.9	52	<0.1	24.2	6.6	377	1.84	21.2	1.5	0.5	25	0.1	2.5	<0.1	40	0.31	0.045	12	23	0.40	260	0.016	1	1.28	0.009	0.05	0.2	0.04	2.4	<0.1	<0.05	4	<0.5	<0.2
L0650N - 4600E	6370650	594600	Soil	0.6	10.7	8.8	56	<0.1	21.6	6.6	511	2.45	33.0	<0.5	0.2	18	0.1	1.5	0.1	55	0.28	0.069	11	23	0.41	211	0.012	<1	1.54	0.007	0.06	0.1	0.04	1.4	<0.1	<0.05	5	<0.5	<0.2
L0650N - 4650E	6370650	594650	Soil	0.9	15.6	7.7	62	0.2	26.0	6.6	501	2.42	68.7	<0.5	0.3	25	0.2	1.3	0.1	46	0.38	0.065	8	30	0.43	335	0.008	1	1.67	0.007	0.10	0.1	0.04	1.7	<0.1	<0.05	6	<0.5	<0.2
L0650N - 4700E	6370650	594700	Soil	0.9	39.1	13.5	99	0.8	49.5	15.0	1043	3.42	50.6	2.9	1.5	44	0.6	1.1	0.2	58	1.26	0.142	25	48	0.69	1129	0.007	1	2.78	0.009	0.15	<0.1	0.19	5.8	<0.1	<0.05	8	<0.5	<0.2
L0650N - 4750E	6370650	594750	Soil	0.5	26.3	10.8	92	0.9	40.4	7.6	475	2.60	28.6	1.7	1.6	38	0.2	1.1	0.1	47	0.95	0.089	45	38	0.57	429	0.006	1	2.27	0.008	0.14	<0.1	0.13	5.6	<0.1	<0.05	6	<0.5	<0.2
L0650N - 4800E	6370650	594800	Soil	0.6	16.0	8.4	77	0.2	39.3	8.5	436	2.83	41.0	1.5	0.7	12	0.1	1.1	0.1	47	0.08	0.045	8	39	0.58	162	0.009	<1	2.25	0.007	0.09	<0.1	0.07	3.0	<0.1	<0.05	7	<0.5	<0.2
L0650N - 4850E	6370650	594850	Soil	0.9	11.4	8.9	76	0.2	25.8	5.9	374	2.79	103.8	<0.5	0.8	11	0.2	1.7	0.1	51	0.08	0.050	8	30	0.43	130	0.011	<1	1.88	0.006	0.07	0.1	0.52	2.8	0.1	<0.05	7	<0.5	<0.2
L0650N - 4900E	6370650	594900	Soil	0.5	16.1	11.3	187	3.7	25.9	5.8	386	2.22	223.1	1.6	0.7	17	0.3	2.4	0.1	41	0.21	0.052	17	24	0.43	192	0.009	<1	1.60	0.006	0.07	0.1	0.14	2.4	<0.1	<0.05	5	<0.5	<0.2
L0650N - 4950E	6370650	594950	Soil	0.4	23.7	18.8	305	1.5	25.5	5.0	404	1.87	214.0	40.3	0.5	20	0.5	2.9	0.1	33	0.21	0.052	22	23	0.40	122	0.008	<1	1.39	0.006	0.05	0.1	0.13	1.8	<0.1	<0.05	5	<0.5	<0.2
L0650N - 5000E	6370650	595000	Soil	0.6	10.1	13.7	112	0.6	15.3	6.3	533	2.39	62.6	5.2	<0.1	11	0.4	2.8	0.1	48	0.11	0.040	6	18	0.29	109	0.010	<1	1.00	0.005	0.08	0.2	0.03	0.7	<0.1	<0.05	5	<0.5	<0.2
L0700N - 3850E	6370700	593850	Soil	0.4	8.6	10.6	50	<0.1	25.2	8.2	598	2.03	20.2	1.0	1.3	23	0.1	4.1	<0.1	38	0.30	0.034	10	23	0.38	193	0.024	1	1.08	0.008	0.07	0.3	0.05	2.8	<0.1	<0.05	4	<0.5	<0.2
L0700N - 3900E	6370700	593900	Soil	0.4	7.5	7.1	36	<0.1	24.0	8.3	567	1.99	22.1	0.8	1.3	16	0.1	5.8	<0.1	40	0.26	0.023	9	21	0.37	214	0.026	1	0.99	0.007	0.05	0.3	0.06	2.7	<0.1	<0.05	4	<0.5	<0.2
L0700N - 3950E	6370700	593950	Soil	0.4	9.6	6.7	45	<0.1	29.0	7.5	470	2.03	25.6	1.1	1.5	16	<0.1	3.8	<0.1	41	0.38	0.032	17	27	0.44	187	0.014	1	1.30	0.007	0.07	0.2	0.14	4.9	<0.1	<0.05	4	<0.5	<0.2
L0700N - 4000E	6370700	594000	Soil	0.4	5.6	4.5	46	<0.1	18.9	5.2	340	1.93	15.3	<0.5	0.7	17	0.1	4.8	<0.1	46	0.37	0.025	6	19	0.41	317	0.013	1	1.21	0.007	0.08	0.3	0.05	2.4	<0.1	<0.05	4	<0.5	<0.2
L0700N - 4050E	6370700	594050	Soil	0.4	7.3	6.8	38	0.1	25.9	7.7	534	1.95	18.2	0.7	1.3	24	<0.1	2.6	<0.1	36	0.27	0.020	9	24	0.42	273	0.030	1	1.03	0.013	0.06	0.2	0.05	2.8	<0.1	<0.05	3	<0.5	<0.2
L0700N - 4150E	6370700	594150	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.	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.
L0700N - 4189E	6370700	594189	Soil	0.4	11.6	8.0	54	0.1	31.1	9.3	619	2.27	22.2	2.5	1.4	35	<0.1	2.7	0.1	55	0.54	0.040	13	30	0.55	670	0.015	2	1.51	0.010	0.10	0.2	0.08	4.5	<0.1	<0.05	5	<0.5	<0.2
L0700N - 4250E	6370700	594250	Soil	0.4	8.4	12.2	59	<0.1	12.0	8.5	800	2.96	15.7	2.5	1.6	20	<0.1	1.4	<0.1	60	0.33	0.042	13	12	0.35	422	0.042	<1	0.93	0.009	0.07	0.2	0.03	3.7	<0.1	<0.05	3	<0.5	<0.2
L0700N - 4300E	6370700	594300	Soil	0.3	5.6	5.0	96	<0.1	15.8	4.3	302	1.87	13.1	0.7	0.2	14	0.1	3.2	<0.1	40	0.26	0.041	12	18	0.35	352	0.018	<1	1.05	0.006	0.07	0.2	0.04	1.8	<0.1	<0.05	4	<0.5	<0.2
L0700N - 4350E	6370700	594350	Soil	0.5	5.5	6.7	53	<0.1																															

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Final Report

Job Number:

Sample ID	Northing (NAD83)	Easting (NAD83)	Analyte Unit	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	Au PPB	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Hg PPM	Sc PPM	Tl PPM	S %	Ga PPM	Se PPM	Te PPM
L0750N - 4850E	6370750	594850	Soil	0.5	12.6	9.7	58	0.1	32.8	7.2	455	2.21	47.9	3.8	0.8	24	0.1	1.4	0.1	40	0.21	0.035	10	29	0.48	169	0.014	<1	1.50	0.009	0.08	<0.1	0.04	2.7	<0.1	<0.05	4	0.9	<0.2
L0750N - 4900E B	6370750	594900	Soil	0.5	10.0	10.3	77	0.4	27.6	4.9	325	2.28	127.9	4.1	0.9	11	0.2	2.0	0.1	42	0.05	0.035	9	27	0.43	104	0.011	1	1.65	0.007	0.07	<0.1	0.09	2.7	<0.1	<0.05	5	<0.5	<0.2
L0750N - 4900E C	6370750	594900	Soil	0.4	15.2	11.8	74	0.3	36.4	8.2	545	2.13	126.4	1.4	1.3	16	0.2	2.1	0.1	40	0.07	0.037	10	30	0.51	148	0.011	1	1.80	0.009	0.08	0.1	0.09	3.7	<0.1	<0.05	5	<0.5	<0.2
L0750N - 4950E	6370750	594950	Soil	0.5	10.9	22.7	272	0.4	17.2	4.9	363	1.76	132.0	2.2	0.9	19	0.3	2.6	0.2	34	0.23	0.034	8	19	0.31	113	0.009	1	1.09	0.006	0.05	0.1	0.06	2.1	<0.1	<0.05	5	<0.5	<0.2
L0750N - 5000E	6370750	595000	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.	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.
L0800N - 3900E	6370800	593900	Soil	0.4	7.6	10.2	43	<0.1	21.1	8.3	586	2.03	20.9	1.7	1.7	25	0.2	5.2	0.1	40	0.30	0.017	12	20	0.34	300	0.024	2	0.87	0.006	0.08	0.3	0.05	3.0	<0.1	<0.05	3	<0.5	<0.2
L0800N - 3950E	6370800	593950	Soil	0.4	16.2	7.7	60	0.2	36.0	10.6	657	2.33	16.0	1.7	1.5	34	0.2	4.2	<0.1	44	0.66	0.037	16	30	0.55	637	0.013	2	1.53	0.008	0.10	0.2	0.09	4.8	<0.1	<0.05	4	<0.5	<0.2
L0800N - 4000E	6370800	594000	Soil	0.4	6.4	6.7	96	<0.1	20.7	6.1	400	2.10	35.4	0.7	1.3	17	0.2	2.9	<0.1	45	0.35	0.022	8	22	0.39	438	0.015	1	1.22	0.007	0.05	0.2	0.03	3.3	<0.1	<0.05	5	<0.5	<0.2
L0800N - 4050E	6370800	594050	Soil	0.3	8.7	7.1	37	0.1	26.9	8.9	643	1.93	19.9	4.4	1.2	23	0.1	4.1	<0.1	40	0.36	0.036	11	23	0.40	365	0.022	2	1.11	0.014	0.07	0.3	0.05	3.1	<0.1	<0.05	4	<0.5	<0.2
L0800N - 4100E	6370800	594100	Soil	0.4	11.4	8.5	78	<0.1	12.1	8.8	815	3.02	17.2	0.6	1.3	14	0.1	1.2	0.1	70	0.38	0.048	16	12	0.25	359	0.022	1	0.91	0.006	0.07	0.2	0.02	4.2	<0.1	<0.05	3	<0.5	<0.2
L0800N - 4150E	6370800	594150	Soil	0.4	7.3	5.5	87	<0.1	21.9	6.2	322	2.18	20.9	0.6	0.5	11	<0.1	2.5	<0.1	51	0.19	0.045	9	23	0.38	292	0.010	<1	1.58	0.006	0.06	0.2	0.03	2.4	<0.1	<0.05	5	<0.5	<0.2
L0800N - 4189E	6370800	594189	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.	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.
L0800N - 4250E	6370800	594250	Soil	0.5	8.9	7.3	95	<0.1	17.6	6.9	543	2.78	27.0	0.9	0.2	10	0.1	1.4	0.1	62	0.36	0.068	19	18	0.33	294	0.016	1	1.36	0.007	0.06	0.2	0.03	2.5	<0.1	<0.05	5	<0.5	<0.2
L0800N - 4300E	6370800	594300	Soil	0.3	10.3	6.3	70	<0.1	18.8	6.4	523	1.98	14.2	<0.5	0.3	12	0.1	0.9	<0.1	46	0.23	0.059	22	18	0.34	377	0.007	<1	1.38	0.007	0.05	<0.1	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
L0800N - 4350E	6370800	594350	Soil	0.3	6.0	5.1	56	<0.1	19.2	4.3	244	1.88	14.1	1.2	0.1	11	<0.1	2.6	<0.1	42	0.19	0.037	10	20	0.34	192	0.016	1	1.08	0.006	0.06	0.2	0.02	1.0	<0.1	<0.05	4	<0.5	<0.2
L0800N - 4400E	6370800	594400	Soil	0.5	6.6	6.5	70	<0.1	19.2	5.7	277	2.25	18.1	0.6	0.2	10	<0.1	1.7	<0.1	42	0.13	0.047	8	20	0.33	141	0.013	1	1.31	0.006	0.06	0.1	0.02	1.1	<0.1	<0.05	5	<0.5	<0.2
L0800N - 4450E	6370800	594450	Soil	0.4	15.5	7.6	60	<0.1	19.9	6.5	437	2.36	23.3	1.5	0.2	12	<0.1	0.9	<0.1	45	0.24	0.052	13	21	0.42	317	0.012	1	1.38	0.008	0.06	0.1	0.02	1.3	<0.1	<0.05	5	<0.5	<0.2
L0800N - 4500E	6370800	594500	Soil	0.3	10.6	7.8	42	<0.1	27.1	7.6	529	2.13	152.4	3.3	1.4	22	0.1	0.8	<0.1	48	0.50	0.056	15	24	0.45	310	0.028	2	1.59	0.010	0.07	0.1	0.04	3.7	<0.1	<0.05	4	<0.5	<0.2
L0800N - 4550E	6370800	594550	Soil	0.3	22.5	8.1	44	0.1	23.7	6.8	490	2.22	60.7	1.2	1.4	23	<0.1	0.7	<0.1	59	0.53	0.040	37	24	0.48	603	0.022	1	1.76	0.011	0.08	0.1	0.06	5.0	<0.1	<0.05	5	<0.5	<0.2
L0800N - 4600E B	6370800	594600	Soil	0.9	12.6	8.5	66	<0.1	29.7	7.8	441	2.39	29.1	1.8	0.4	12	0.4	1.2	<0.1	42	0.08	0.059	8	29	0.45	123	0.016	1	1.86	0.006	0.07	0.1	0.30	1.8	<0.1	<0.05	5	<0.5	<0.2
L0800N - 4600E C	6370800	594600	Soil	0.7	13.0	8.8	57	<0.1	26.7	8.8	532	2.21	23.9	0.6	0.5	13	0.3	1.2	<0.1	42	0.12	0.049	9	24	0.41	122	0.025	1	1.60	0.007	0.07	0.1	0.05	2.2	<0.1	<0.05	4	<0.5	<0.2
L0800N - 4650E	6370800	594650	Soil	0.3	11.1	7.5	51	0.1	27.5	6.4	429	1.93	18.9	26.2	1.1	21	0.1	1.1	<0.1	39	0.35	0.042	10	25	0.42	276	0.024	1	1.12	0.010	0.06	<0.1	0.05	2.8	<0.1	<0.05	4	<0.5	<0.2
L0800N - 4710E	6370800	594710	Soil	0.5	11.2	10.1	59	0.1	28.6	8.0	525	2.24	19.1	1.5	1.1	20	0.3	0.9	<0.1	42	0.31	0.038	22	27	0.48	352	0.021	1	1.38	0.005	0.07	0.1	0.08	2.9	<0.1	<0.05	4	<0.5	<0.2
L0800N - 4750E	6370800	594750	Soil	0.8	9.6	10.5	158	0.1	16.4	5.8	528	2.09	16.1	1.3	0.7	15	0.3	0.8	0.1	41	0.40	0.065	14	21	0.31	352	0.008	1	1.57	0.006	0.11	0.1	0.02	1.8	<0.1	<0.05	6	<0.5	<0.2
L0800N - 4800E	6370800	594800	Soil	0.8	12.1	13.2	86	0.7	32.1	8.2	470	2.53	12.2	2.1	0.5	17	0.3	1.9	0.1	51	0.10	0.052	8	28	0.47	125	0.014	1	1.67	0.005	0.08	0.2	0.05	2.1	<0.1	<0.05	4	<0.5	<0.2
L0800N - 4850E	6370800	594850	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.	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.
L0800N - 4900E	6370800	594900	Soil	0.5	10.7	14.1	78	0.4	25.3	7.3	543	2.16	33.4	6.0	0.6	26	0.1	2.6	0.1	47	0.32	0.045	11	23	0.41	229	0.021	<1	1.30	0.009	0.07	0.2	0.04	2.5	<0.1	<0.05	4	<0.5	<0.2
L0800N - 4950E	6370800	594950	Soil	0.4	18.6	23.7	194	1.0	27.3	6.9	549	2.12	60.6	8.9	0.9	22	0.2	2.1	0.1	43	0.31	0.049	25	25	0.41	144	0.017	1	1.27	0.008	0.07	0.1	0.07	3.2	<0.1	<0.05	4	<0.5	<0.2
L0800N - 5000E	6370800	595000	Soil	0.4	15.6	22.8	287	0.6	23.7	6.2	524	2.12	237.8	9.0	0.5	29	1.2	3.5	0.2	39	0.38	0.076	10	25	0.41	113	0.012	1	1.33	0.006	0.07	0.1	0.04	2.3	<0.1	<0.05	5	<0.5	<0.2
L0850N - 3850E	6370850	593850	Soil	0.8	5.8	24.1	189	0.1	7.2	13.9	1844	4.37	10.8	4.0	2.5	16	0.5	1.1	<0.1	85	0.64	0.063	34	9	0.18	627	0.006	2	0.88	0.004	0.09	0.2	0.04	7.6	<0.1	<0.05	3	<0.5	<0.2
L0850N - 3900E	6370850	593900	Soil	0.4	6.9	22.8	111	0.2	6.2	3.9	597	2.22	11.7	2.3	1.6	19	0.3	1.9	<0.1	45	0.79	0.082	37	9	0.23	679	0.007	2	1.02	0.004	0.10	0.3	0.05	5.8	<0.1	<0.05	3	<0.5	<0.2
L0850N - 3950E	6370850	593950	Soil	0.3	14.2	8.2	78	0.2	24.0	8.1	564	2.36	17.2	3.0	1.6	22	0.2	4.7	0.1	56	0.49	0.038	15	26	0.45	743	0.013	1	1.58	0.007	0.08	0.3	0.05	4.5	<0.1	<0.05	5	<0.5	<0.2
L0850N - 4000E	6370850	594000	Soil	0.3	13.2	5.8	53	0.3	24.6	6.1	367	2.05	15.9	2.3	1.3	17	0.1	2.2	<0.1	47	0.35	0.033	18	24	0.42	491	0.012	1	1.45	0.007	0.07	0.2	0.06	5.0	<0.1	<0.05	4	<0.5	<0.2
L0850N - 4050E	6370850	594050	Soil	0.4	12.0	6.5	76	0.2	24.4	8.1	485	2.14	20.4	2.1	1.6	16	0.1	3.4	0.1	55	0.38	0.039	21	25	0.43														

ACME ANALYTICAL LABORATORIES LTD.

Final Report

Job Number:

Sample ID	Northing (NAD83)	Eastng (NAD83)	Analyte Unit	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	Au PPB	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Hg PPM	Sc PPM	Tl PPM	S %	Ga PPM	Se PPM	Te PPM
L0900N - 4350E	6370900	594350	Soil	0.2	20.7	6.9	67	0.2	6.6	7.6	512	2.22	9.0	0.9	0.7	11	0.1	0.4	0.1	51	0.55	0.084	19	8	0.83	1006	0.004	<1	2.02	0.005	0.14	<0.1	0.02	2.8	0.1	<0.05	8	<0.5	<0.2
L0900N - 4400E	6370900	594400	Soil	0.3	11.2	7.9	75	0.3	13.2	7.3	483	2.33	13.3	1.3	0.7	10	0.2	1.0	0.1	58	0.30	0.038	17	14	0.73	428	0.012	<1	1.69	0.007	0.08	<0.1	0.03	2.6	<0.1	<0.05	7	<0.5	<0.2
L0900N - 4450E	6370900	594450	Soil	0.3	6.7	5.6	47	<0.1	17.7	4.3	254	1.95	13.7	0.5	0.3	13	<0.1	1.2	<0.1	46	0.19	0.032	9	18	0.36	202	0.020	<1	1.17	0.007	0.05	0.1	0.05	1.7	<0.1	<0.05	5	<0.5	<0.2
L0900N - 4500E	6370900	594500	Soil	0.5	10.9	7.9	65	0.2	20.2	6.3	400	2.53	14.7	0.6	0.3	25	0.2	0.6	0.1	65	0.61	0.080	15	19	0.51	328	0.028	1	2.41	0.010	0.12	0.2	0.04	2.9	<0.1	<0.05	9	<0.5	<0.2
L0900N - 4550E	6370900	594550	Soil	0.3	8.5	8.4	36	<0.1	19.9	6.8	477	2.10	19.6	<0.5	0.5	17	<0.1	0.9	<0.1	44	0.28	0.041	10	19	0.37	177	0.030	<1	1.22	0.008	0.05	0.1	0.05	2.0	<0.1	<0.05	4	<0.5	<0.2
L0900N - 4600E	6370900	594600	Soil	0.2	8.7	7.8	45	<0.1	21.0	7.0	479	2.08	16.5	1.0	1.5	22	0.1	0.9	<0.1	43	0.40	0.038	12	20	0.41	362	0.041	<1	1.20	0.014	0.06	0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
L0900N - 4650E	6370900	594650	Soil	0.4	18.4	7.5	53	0.2	20.6	5.9	489	2.27	18.8	1.0	0.7	22	0.3	1.0	0.1	49	0.75	0.064	25	22	0.48	469	0.021	1	1.48	0.007	0.08	0.1	0.05	2.7	<0.1	<0.05	5	<0.5	<0.2
L0900N - 4700E	6370900	594700	Soil	0.9	10.9	13.7	132	0.2	23.8	6.0	621	2.71	17.6	<0.5	0.3	16	0.3	0.7	0.1	48	0.38	0.093	12	26	0.45	417	0.011	<1	1.62	0.006	0.09	0.1	0.03	1.2	<0.1	<0.05	7	<0.5	<0.2
L0900N - 4750E	6370900	594750	Soil	0.8	15.4	11.5	150	0.3	24.4	8.2	855	3.03	33.0	1.3	0.7	22	0.5	1.2	0.2	57	0.62	0.080	16	26	0.54	589	0.020	1	1.81	0.006	0.11	0.2	0.06	2.8	<0.1	<0.05	7	<0.5	<0.2
L0900N - 4800E	6370900	594800	Soil	0.3	11.3	10.2	46	<0.1	29.2	7.4	451	1.96	16.8	1.3	0.6	17	<0.1	0.9	0.1	40	0.21	0.034	9	27	0.45	161	0.015	<1	1.41	0.008	0.06	0.1	0.05	2.2	<0.1	<0.05	4	<0.5	<0.2
L0900N - 4850E	6370900	594850	Soil	0.4	8.4	9.2	62	0.2	23.0	6.6	470	2.02	16.0	1.2	0.2	19	0.2	1.5	0.1	42	0.22	0.051	9	22	0.41	138	0.014	1	1.32	0.007	0.05	0.2	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2
L0900N - 4900E	6370900	594900	Soil	0.4	8.3	9.3	63	0.2	23.0	6.6	479	2.04	15.9	2.4	0.2	18	0.2	1.4	0.1	42	0.23	0.051	9	23	0.41	137	0.013	1	1.27	0.006	0.05	0.1	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2
L0900N - 4950E	6370900	594950	Soil	0.3	11.0	12.5	85	<0.1	11.7	12.2	1497	3.36	51.3	9.5	2.0	20	0.2	1.0	0.1	66	0.63	0.036	11	11	0.46	232	0.004	1	1.47	0.006	0.04	<0.1	<0.01	4.7	<0.1	<0.05	6	<0.5	<0.2
L0900N - 5000E	6370900	595000	Soil	0.3	20.1	13.2	101	1.6	31.1	5.6	354	2.01	81.2	1.9	1.3	27	0.1	1.9	0.1	42	0.34	0.026	12	28	0.46	327	0.013	1	1.42	0.009	0.06	0.1	0.11	3.8	<0.1	<0.05	4	<0.5	<0.2
L0950N - 3800E	6370950	593800	Soil	0.4	10.2	13.1	82	0.2	15.0	6.4	680	2.57	12.1	2.7	0.9	37	0.3	1.7	<0.1	63	0.53	0.063	17	16	0.43	415	0.019	1	1.36	0.009	0.07	0.2	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2
L0950N - 3850E	6370950	593850	Soil	0.3	10.8	10.6	62	0.2	23.6	7.8	617	2.01	14.3	2.8	1.2	32	0.2	1.7	<0.1	51	0.53	0.053	11	24	0.46	473	0.016	2	1.19	0.008	0.08	0.1	0.05	3.4	<0.1	<0.05	4	<0.5	<0.2
L0950N - 3900E	6370950	593900	Soil	0.6	6.9	8.2	69	0.1	14.0	5.0	425	2.32	14.7	1.4	0.3	10	0.1	2.2	0.1	50	0.11	0.039	8	17	0.38	217	0.012	1	1.47	0.006	0.06	0.2	0.02	1.6	<0.1	<0.05	7	<0.5	<0.2
L0950N - 3950E	6370950	593950	Soil	0.5	9.5	7.2	82	0.1	15.3	5.7	591	2.76	26.8	1.4	0.2	13	0.3	3.7	0.1	57	0.26	0.066	17	18	0.41	300	0.011	1	1.61	0.006	0.06	0.3	0.03	1.7	<0.1	<0.05	8	<0.5	<0.2
L0950N - 4000E B	6370950	594000	Soil	0.5	7.4	8.2	56	0.1	20.0	5.7	419	2.42	21.8	1.7	0.2	9	0.4	4.5	<0.1	48	0.22	0.060	11	20	0.46	240	0.009	<1	1.50	0.005	0.06	0.3	0.03	1.3	<0.1	<0.05	6	<0.5	<0.2
L0950N - 4000E C	6370950	594000	Soil	0.2	24.4	13.4	108	<0.1	12.9	12.8	1948	3.23	23.8	1.0	1.6	14	0.4	1.7	0.1	77	0.61	0.100	13	13	1.91	250	0.004	1	2.44	0.005	0.07	<0.1	0.02	4.3	<0.1	<0.05	13	<0.5	<0.2
L0950N - 4050E	6370950	594050	Soil	0.4	11.5	7.4	80	<0.1	21.6	7.0	727	2.68	22.6	11.5	0.6	12	0.2	2.1	0.1	57	0.35	0.080	18	23	0.62	284	0.008	1	1.99	0.006	0.10	0.2	0.03	2.7	<0.1	<0.05	8	<0.5	<0.2
L0950N - 4100E	6370950	594100	Soil	0.4	8.8	6.0	60	<0.1	20.1	5.9	462	2.12	18.3	2.4	0.2	12	0.2	2.9	0.1	46	0.23	0.073	12	22	0.40	236	0.011	<1	1.53	0.006	0.08	0.2	0.03	1.3	<0.1	<0.05	6	<0.5	<0.2
L0950N - 4150E	6370950	594150	Soil	0.3	9.5	6.0	53	<0.1	22.8	6.3	371	2.09	20.0	0.7	0.4	12	<0.1	1.6	<0.1	47	0.21	0.049	11	23	0.45	221	0.011	<1	1.41	0.005	0.09	0.1	0.02	1.9	<0.1	<0.05	6	<0.5	<0.2
L0950N - 4200E	6370950	594200	Soil	0.4	8.7	6.1	48	<0.1	22.9	5.7	318	2.02	13.8	2.1	0.4	11	0.1	2.2	<0.1	45	0.20	0.043	10	23	0.43	171	0.012	1	1.35	0.006	0.06	0.2	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
L0950N - 4250E	6370950	594250	Soil	0.4	6.9	5.1	51	<0.1	19.7	5.3	281	2.11	12.8	3.0	0.4	10	0.2	2.3	<0.1	46	0.17	0.051	8	20	0.38	141	0.019	<1	1.19	0.006	0.06	0.2	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
L0950N - 4300E	6370950	594300	Soil	0.4	10.6	6.9	53	0.1	20.7	6.2	384	2.28	24.0	<0.5	0.2	10	0.2	1.7	<0.1	47	0.15	0.049	11	21	0.47	154	0.011	<1	1.44	0.006	0.07	0.2	0.04	1.4	<0.1	<0.05	6	<0.5	<0.2
L0950N - 4350E	6370950	594350	Soil	0.4	22.2	9.5	128	0.1	7.1	13.4	1165	4.08	21.2	<0.5	0.3	10	0.2	0.7	0.2	93	0.32	0.075	10	8	1.57	109	0.018	2	2.06	0.008	0.07	0.1	0.02	2.5	<0.1	<0.05	13	<0.5	<0.2
L0950N - 4400E	6370950	594400	Soil	0.4	9.9	6.6	48	0.2	17.9	5.3	395	2.19	20.5	1.2	0.2	11	0.1	1.4	0.1	52	0.14	0.050	10	19	0.43	137	0.012	<1	1.52	0.004	0.05	0.2	0.04	1.1	<0.1	<0.05	7	<0.5	<0.2
L0950N - 4450E	6370950	594450	Soil	0.4	16.1	7.7	53	0.2	27.7	7.0	497	2.40	15.4	2.2	0.7	16	0.2	1.6	<0.1	50	0.35	0.068	15	27	0.53	287	0.011	1	1.82	0.007	0.08	0.2	0.06	2.6	<0.1	<0.05	6	<0.5	<0.2
L0950N - 4500E	6370950	594500	Soil	0.5	18.7	9.2	97	0.3	21.5	9.3	860	3.02	20.4	1.0	0.8	28	0.3	0.9	0.1	65	1.07	0.085	16	21	1.07	667	0.031	2	3.18	0.009	0.14	0.2	0.03	4.0	0.2	<0.05	11	<0.5	<0.2
L0950N - 4550E	6370950	594550	Soil	0.3	16.2	7.6	45	0.2	21.8	6.8	502	2.21	29.4	1.6	1.3	22	<0.1	1.2	<0.1	55	0.42	0.029	25	21	0.46	409	0.036	1	1.50	0.009	0.08	0.1	0.16	3.8	<0.1	<0.05	4	<0.5	<0.2
L0950N - 4600E	6370950	594600	Soil	0.3	11.8	7.7	53	0.2	18.7	7.3	483	2.38	13.1	1.8	1.3	17	<0.1	0.7	<0.1	53	0.46	0.029	16	18	0.61	395	0.031	1	1.46	0.010	0.08	0.1	0.03	3.4	<0.1	<0.05	5	<0.5	<0.2
L0950N - 4650E	6370950	594650	Soil	0.3	12.9	7.6	46	0.1	28.3	7.7	522	2.17	18.3	1.6	1.5	16	0.1	1.2	<0.1	44	0.35	0.027	36	26	0.47	403	0.021	1	1.37	0.007	0.08	0.1	0.04	3.0	<0.1	<0.05	4	<0.5	<0.2
L0950N - 4700E	6370950	594700</																																					

ACME ANALYTICAL LABORATORIES LTD.

Final Report

Job Number:

Sample ID	Northing (NAD83)	Easting (NAD83)	Analyte Unit	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	Au PPB	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Hg PPM	Sc PPM	Tl PPM	S %	Ga PPM	Se PPM	Te PPM		
0750N - 5007E	6370750	595007	Soil	0.6	30.7	30.8	362	0.7	24.4	10.9	856	3.71	89.4	3.7	0.6	24	0.4	3.0	0.3	88	0.57	0.067	8	43	0.67	159	0.007	<1	1.63	0.005	0.07	<0.1	0.06	6.4	0.1	<0.05	7	<0.5	<0.2		
L800N - 4200E	6370800	594200	Soil	0.3	5.5	4.5	75	<0.1	19.9	4.7	287	2.04	13.5	0.6	0.2	9	<0.1	2.3	<0.1	46	0.10	0.048	10	20	0.33	152	0.015	<1	1.24	0.006	0.04	0.2	0.03	1.5	<0.1	<0.05	5	<0.5	<0.2		
0806N - 4850E	6370806	594850	Soil	0.3	10.8	8.2	60	<0.1	7.4	3.9	339	1.76	5.3	0.6	0.7	11	<0.1	0.4	0.4	33	0.33	0.072	7	9	0.29	143	0.003	<1	1.07	0.004	0.10	<0.1	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2		
1003N - 4507E	6371003	594507	Soil	0.3	13.8	7.7	51	<0.1	21.7	6.9	510	2.28	20.0	1.5	0.6	16	0.2	1.4	<0.1	50	0.24	0.040	15	20	0.46	223	0.027	1	1.33	0.008	0.07	0.1	0.03	2.7	<0.1	<0.05	4	<0.5	<0.2		
0997N - 4900E	6370997	594900	Soil	0.4	17.4	9.3	77	0.1	23.0	6.9	646	2.70	33.0	1.1	1.1	61	0.2	0.7	0.2	51	0.62	0.094	18	21	0.65	338	0.010	1	2.65	0.012	0.09	0.1	0.03	2.6	0.1	<0.05	10	<0.5	<0.2		
L1050N - 3800E	6371050	593800	Soil	0.6	10.0	11.5	54	<0.1	20.2	6.7	444	2.58	13.5	5.4	0.5	16	0.2	1.3	0.2	55	0.18	0.030	8	22	0.52	191	0.029	<1	1.73	0.006	0.08	0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2		
L1050N - 3850E	6371050	593850	Soil	0.5	16.2	12.0	76	0.2	19.8	7.8	595	2.63	19.8	3.2	0.9	20	0.3	2.0	0.1	69	0.57	0.090	19	22	0.72	624	0.022	<1	2.27	0.007	0.13	0.1	0.05	4.3	<0.1	<0.05	9	<0.5	<0.2		
L1050N - 3900E	6371050	593900	Soil	0.7	9.4	9.8	69	<0.1	20.0	6.3	443	2.69	23.2	<0.5	0.4	11	<0.1	2.7	0.1	56	0.13	0.075	11	19	0.59	231	0.020	<1	2.06	0.007	0.10	0.1	0.02	2.4	<0.1	<0.05	9	<0.5	<0.2		
L1050N - 3950E	6371050	593950	Soil	0.4	9.5	10.1	52	<0.1	19.8	5.9	408	2.44	25.1	3.4	0.8	13	0.1	5.7	0.1	59	0.19	0.045	10	19	0.44	139	0.023	<1	1.36	0.008	0.08	0.3	0.02	2.8	<0.1	<0.05	6	0.9	<0.2		
L1050N - 4007E	6371050	594007	Soil	0.3	7.9	8.5	52	<0.1	18.5	6.8	480	2.40	21.2	<0.5	1.0	12	0.2	8.5	<0.1	53	0.16	0.048	10	18	0.38	158	0.023	1	1.08	0.005	0.08	0.3	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2		
L1050N - 4050E	6371050	594050	Soil	0.4	10.0	8.4	53	<0.1	24.5	5.6	362	2.58	28.0	5.5	0.2	12	<0.1	3.8	<0.1	54	0.14	0.048	10	23	0.47	180	0.015	<1	1.54	0.006	0.07	0.1	0.06	2.0	<0.1	<0.05	7	<0.5	<0.2		
L1050N - 4100E	6371050	594100	Soil	0.9	16.2	8.5	67	<0.1	24.2	7.8	627	2.71	45.6	<0.5	0.6	14	0.4	3.8	0.1	58	0.25	0.058	19	22	0.57	310	0.012	<1	2.09	0.008	0.11	0.2	0.38	2.8	<0.1	<0.05	9	<0.5	<0.2		
L1050N - 4150E B	6371050	594150	Soil	0.5	8.4	7.3	47	<0.1	22.9	5.6	289	2.41	28.7	0.6	0.3	10	0.2	2.6	<0.1	47	0.09	0.058	9	22	0.42	122	0.018	<1	1.83	0.008	0.07	0.2	0.08	1.8	<0.1	<0.05	6	0.8	0.2		
L1050N - 4150E C	6371050	594150	Soil	0.7	10.4	8.1	41	<0.1	27.3	6.6	324	2.37	27.0	<0.5	0.6	11	0.2	3.6	0.1	48	0.09	0.056	10	24	0.45	127	0.024	<1	1.69	0.008	0.07	0.1	<0.01	2.4	<0.1	<0.05	6	<0.5	<0.2		
L1050N - 4200E	6371050	594200	Soil	0.4	10.0	8.0	44	<0.1	24.7	7.1	368	2.41	22.8	<0.5	0.9	16	0.2	2.9	0.1	47	0.17	0.042	10	22	0.43	138	0.028	<1	1.26	0.007	0.06	0.1	0.05	2.6	<0.1	<0.05	6	<0.5	<0.2		
L1050N - 4250E	6371050	594250	Soil	0.5	16.1	9.0	56	<0.1	27.1	7.5	611	2.58	25.9	1.1	1.3	19	<0.1	2.3	0.1	57	0.42	0.061	25	23	0.65	271	0.022	2	1.95	0.009	0.10	0.2	0.04	4.6	<0.1	<0.05	7	<0.5	<0.2		
L1050N - 4300E	6371050	594300	Soil	0.6	14.0	7.8	53	0.1	25.1	6.7	440	2.62	17.6	4.3	0.5	14	<0.1	2.4	0.1	55	0.20	0.060	17	23	0.56	213	0.020	<1	1.73	0.007	0.08	0.1	0.04	2.6	<0.1	<0.05	8	<0.5	<0.2		
L1050N - 4350E	6371050	594350	Soil	0.3	8.7	7.9	48	0.1	20.5	6.0	397	2.35	20.2	<0.5	0.7	16	0.2	1.6	<0.1	54	0.20	0.038	11	20	0.53	161	0.027	<1	1.46	0.007	0.07	0.1	0.03	2.8	<0.1	<0.05	6	<0.5	<0.2		
L1050N - 4400E	6371050	594400	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.	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.
L1050N - 4450E	6371050	594450	Soil	0.5	9.7	8.4	53	<0.1	19.4	6.0	405	2.53	20.7	<0.5	0.3	15	0.2	1.9	0.1	53	0.16	0.055	14	19	0.54	165	0.021	1	1.77	0.007	0.06	0.1	0.04	1.8	<0.1	<0.05	6	<0.5	<0.2		
L1050N - 4500E	6371050	594500	Soil	0.8	9.2	10.0	75	<0.1	17.0	6.3	534	2.78	16.5	<0.5	0.3	16	0.4	1.7	0.1	55	0.17	0.050	10	19	0.54	163	0.036	<1	1.22	0.006	0.09	<0.1	0.01	1.6	<0.1	<0.05	6	<0.5	<0.2		
L1050N - 4550E	6371050	594550	Soil	0.3	17.8	10.2	67	0.3	25.7	9.6	850	2.73	14.7	<0.5	2.0	35	0.2	1.3	0.1	55	0.59	0.040	43	26	0.66	782	0.017	<1	2.19	0.009	0.15	<0.1	0.05	7.0	<0.1	<0.05	7	<0.5	<0.2		
L1050N - 4600E	6371050	594600	Soil	0.7	49.1	12.7	110	0.9	14.1	6.5	680	2.28	33.5	1.9	0.7	60	0.5	1.6	0.2	39	2.10	0.238	86	14	0.52	961	0.020	3	1.93	0.007	0.06	0.2	0.13	1.6	<0.1	0.17	8	<0.5	<0.2		
L1050N - 4650E	6371050	594650	Soil	0.4	14.2	11.2	89	0.2	10.6	6.4	580	2.62	30.6	<0.5	0.8	21	0.3	1.8	0.2	45	0.67	0.089	33	11	0.71	528	0.081	<1	1.80	0.006	0.17	0.2	0.04	3.6	<0.1	0.05	7	0.8	<0.2		
L1050N - 4700E	6371050	594700	Soil	0.4	13.4	10.7	62	<0.1	21.2	6.2	510	2.42	33.7	<0.5	0.5	22	0.3	1.0	0.1	47	0.39	0.058	20	21	0.52	457	0.016	<1	2.06	0.008	0.09	0.2	0.05	2.6	<0.1	<0.05	7	0.6	<0.2		
L1050N - 4750E	6371050	594750	Soil	0.7	14.8	11.7	135	0.3	24.1	7.2	713	2.86	32.1	<0.5	0.5	21	0.3	1.4	0.2	53	0.34	0.105	19	26	0.63	305	0.009	<1	2.29	0.007	0.12	<0.1	0.03	2.4	<0.1	<0.05	9	1.5	<0.2		
L1050N - 4800E	6371050	594800	Soil	0.4	16.3	9.8	134	0.1	15.1	6.5	660	2.72	22.8	<0.5	1.5	24	0.3	1.2	0.2	53	0.63	0.110	24	17	0.61	276	0.010	<1	2.22	0.007	0.16	0.1	0.02	3.3	0.1	0.07	8	<0.5	<0.2		
L1050N - 4850E	6371050	594850	Soil	0.9	8.4	9.9	63	<0.1	11.2	3.4	344	2.31	69.5	0.6	<0.1	10	0.2	1.3	0.2	51	0.04	0.073	9	16	0.24	131	0.011	<1	1.48	0.005	0.06	0.1	0.05	0.8	0.1	<0.05	10	0.6	<0.2		
L1050N - 4900E	6371050	594900	Soil	0.5	10.7	9.2	56	<0.1	19.3	4.5	324	2.63	69.6	<0.5	0.2	15	0.2	1.1	0.2	48	0.12	0.056	13	21	0.40	162	0.013	<1	2.12	0.007	0.05	0.1	0.06	1.5	<0.1	<0.05	9	<0.5	<0.2		
L1050N - 4950E	6371050	594950	Soil	0.8	13.6	9.9	85	<0.1	13.7	4.7	509	2.74	25.5	<0.5	0.2	18	0.5	1.2	0.2	49	0.16	0.081	16	16	0.50	199	0.016	<1	2.18	0.007	0.07	0.1	0.03	1.3	<0.1	0.05	11	<0.5	<0.2		
L1050N - 5000E	6371050	595000	Soil	0.7	8.4	7.4	71	0.1	9.9	4.3	405	2.72	21.9	1.6	0.2	15	0.5	1.4	0.2	51	0.11	0.061	10	14	0.36	109	0.009	<1	1.69	0.008	0.06	0.2	0.04	0.8	<0.1	<0.05	9	<0.5	<0.2		
L1100N - 3800E	6371100	593800	Soil	0.3	10.3	9.1	49	<0.1	18.8	5.4	453	1.96	11.2	1.9	0.6	18	0.2	1.0	<0.1	49	0.27	0.038	11	18	0.64	366	0.042	<1	1.71	0.009	0.07	0.2	0.04	2.9	<0.1	<0.05	7	<0.5	<0.2		
L1100N - 3850E	6371100	593850	Soil	0.4	23.3	12.7	70	0.3	22.4	10.1	863	2.81	30.0	4.0	2.2	29	0.2	2.0	0.1	65	0.75	0.069	22	24	0.92	386	0.030	<1	2.69	0.009	0.22	0.2	0.06	7.9	<0.1	<0.05	9	<0.5	<0.2		
L1100N - 3900E	6371100	593900	Soil	0.3																																					

ACME ANALYTICAL LABORATORIES LTD.

Final Report

Job Number:

Sample ID	Northing (NAD83)	Easting (NAD83)	Analyte Unit	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	Au PPB	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Hg PPM	Sc PPM	Tl PPM	S %	Ga PPM	Se PPM	Te PPM		
L1150N - 4200E	6371150	594200	Soil	0.4	13.9	13.6	119	<0.1	18.0	13.5	1092	3.67	48.2	<0.5	1.2	23	0.3	2.2	0.2	80	0.30	0.074	15	19	1.43	190	0.084	3	2.80	0.006	0.13	0.2	0.05	4.9	<0.1	<0.05	13	<0.5	<0.2		
L1150N - 4260E	6371150	594260	Soil	0.6	9.7	8.5	49	<0.1	21.3	5.8	412	2.43	22.5	1.0	0.9	14	0.1	2.9	0.1	51	0.14	0.032	10	20	0.44	154	0.023	1	1.53	0.006	0.07	0.2	0.04	2.9	<0.1	<0.05	6	<0.5	<0.2		
L1150N - 4300E	6371150	594300	Soil	0.4	13.3	10.0	56	0.1	14.0	5.4	661	2.71	27.0	2.1	0.2	20	0.3	1.3	0.2	57	0.31	0.075	19	16	0.47	204	0.024	1	1.76	0.007	0.09	0.1	0.03	1.8	0.1	<0.05	7	<0.5	<0.2		
L1150N - 4350E	6371150	594350	Soil	0.2	9.2	9.2	53	<0.1	16.9	6.1	466	2.69	17.5	0.8	0.6	14	0.2	1.9	0.1	57	0.12	0.042	12	18	0.51	138	0.043	2	1.66	0.007	0.07	<0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2		
L1150N - 4400E	6371150	594400	Soil	0.3	15.1	10.2	77	<0.1	17.9	9.1	770	3.12	18.4	<0.5	1.4	17	0.2	1.4	0.1	65	0.41	0.085	15	16	0.92	261	0.012	1	2.51	0.008	0.13	<0.1	0.03	3.5	0.1	<0.05	8	<0.5	<0.2		
L1150N - 4450E	6371150	594450	Soil	0.4	14.8	8.8	83	0.1	23.0	7.0	557	2.82	21.5	3.1	1.1	22	0.2	1.4	0.1	61	0.45	0.091	31	20	0.65	519	0.020	1	2.20	0.009	0.10	0.2	0.04	3.5	0.2	<0.05	7	<0.5	<0.2		
L1150N - 4500E	6371150	594500	Soil	0.3	22.8	11.9	63	0.2	16.7	9.0	736	3.13	20.0	1.2	2.2	23	0.2	1.6	0.1	67	0.53	0.042	25	15	0.75	1042	0.019	1	2.16	0.008	0.11	0.1	0.02	4.8	0.1	<0.05	7	<0.5	<0.2		
L1150N - 4550E	6371150	594550	Soil	0.5	9.7	11.5	60	0.1	11.8	5.7	523	3.04	15.4	1.3	0.3	13	0.1	1.3	0.1	64	0.19	0.052	12	13	0.54	204	0.035	2	1.63	0.007	0.08	0.2	0.03	1.7	<0.1	<0.05	6	<0.5	<0.2		
L1150N - 4600E	6371150	594600	Soil	0.4	19.5	11.2	64	0.3	16.7	7.7	715	2.59	38.5	1.2	1.7	20	0.1	1.5	0.1	58	0.45	0.038	46	18	0.56	654	0.031	2	1.55	0.007	0.09	0.1	0.04	4.7	<0.1	<0.05	5	0.8	<0.2		
L1150N - 4650E	6371150	594650	Soil	0.2	15.2	11.3	60	0.1	24.2	6.2	435	2.28	16.7	3.0	1.2	20	0.1	0.8	0.1	47	0.34	0.044	29	21	0.54	450	0.019	<1	1.84	0.008	0.08	0.1	0.03	2.9	<0.1	<0.05	5	0.7	<0.2		
L1150N - 4700E	6371150	594700	Soil	0.4	12.0	13.8	55	0.2	21.1	7.6	609	2.25	25.2	2.6	1.3	20	0.3	1.1	0.1	45	0.30	0.039	27	20	0.46	462	0.019	1	1.54	0.005	0.07	0.1	0.04	3.1	<0.1	<0.05	4	<0.5	<0.2		
L1150N - 4750E	6371150	594750	Soil	0.3	30.0	13.2	100	0.5	28.5	8.3	767	2.71	29.9	4.6	3.5	32	0.4	1.0	0.2	51	0.99	0.095	91	28	0.73	599	0.006	<1	3.62	0.007	0.17	0.1	0.08	7.6	<0.1	0.05	8	<0.5	<0.2		
L1150N - 4802E	6371150	594802	Soil	0.4	22.2	14.3	149	0.1	16.7	6.6	799	2.79	34.2	<0.5	1.8	96	0.7	1.8	0.2	61	0.99	0.082	22	17	0.55	304	0.040	2	2.50	0.011	0.13	0.2	0.04	4.0	<0.1	<0.05	7	0.5	<0.2		
L1150N - 4850E	6371150	594850	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.	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.
L1150N - 4900E	6371150	594900	Soil	0.5	8.2	9.8	91	<0.1	13.4	5.1	409	2.24	15.2	4.0	1.0	38	<0.1	1.1	0.2	46	0.42	0.064	18	12	0.50	246	0.034	<1	1.86	0.013	0.07	0.1	0.01	1.8	<0.1	<0.05	9	<0.5	<0.2		
L1150N - 4957E	6371150	594957	Soil	0.6	8.6	9.6	54	<0.1	17.1	4.5	328	2.55	45.8	<0.5	0.2	19	<0.1	1.3	0.1	50	0.17	0.051	10	18	0.42	172	0.019	<1	1.63	0.006	0.06	0.2	0.03	1.2	<0.1	<0.05	6	<0.5	<0.2		
L1150N - 5000E	6371150	595000	Soil	0.5	10.9	12.7	69	0.2	19.4	5.2	506	2.92	27.2	1.3	0.7	26	<0.1	1.1	0.3	54	0.42	0.100	40	19	0.49	485	0.014	<1	2.13	0.008	0.07	0.2	0.03	1.8	0.1	<0.05	9	0.5	<0.2		
L1200N - 3800E	6371200	593800	Soil	0.4	9.8	10.0	67	<0.1	17.6	6.3	655	2.90	11.6	1.1	0.5	17	0.6	1.2	0.2	62	0.33	0.060	13	17	0.55	724	0.040	2	1.80	0.012	0.07	0.2	0.03	2.7	<0.1	<0.05	9	<0.5	<0.2		
L1200N - 3850E B	6371200	593850	Soil	0.4	12.7	11.0	64	0.1	19.0	8.4	699	2.60	18.4	1.2	1.4	20	0.1	1.7	0.1	62	0.53	0.078	13	17	0.71	179	0.032	1	1.69	0.007	0.12	0.2	0.01	4.3	<0.1	<0.05	6	<0.5	<0.2		
L1200N - 3850E C	6371200	593850	Soil	0.4	9.1	11.2	69	<0.1	7.1	10.6	779	2.95	12.6	<0.5	2.2	17	<0.1	0.9	<0.1	64	0.50	0.086	12	7	0.89	111	0.042	2	1.48	0.007	0.14	0.3	<0.01	3.8	<0.1	<0.05	6	<0.5	<0.2		
L1200N - 3900E	6371200	593900	Soil	0.5	8.3	11.3	73	<0.1	16.3	7.0	574	2.76	25.8	1.1	0.7	10	0.3	2.7	0.1	63	0.10	0.055	10	17	0.68	103	0.048	2	1.83	0.011	0.08	0.2	0.04	3.1	<0.1	<0.05	9	<0.5	<0.2		
L1200N - 3950E	6371200	593950	Soil	0.4	10.4	12.2	61	0.2	17.7	6.4	524	2.79	35.5	0.8	0.9	19	0.1	4.1	0.1	70	0.37	0.063	17	17	0.64	219	0.049	2	1.76	0.007	0.09	0.3	0.04	3.8	<0.1	<0.05	6	<0.5	<0.2		
L1200N - 4000E	6371200	594000	Soil	0.3	8.3	9.5	75	<0.1	12.1	5.5	650	2.56	19.6	<0.5	0.2	13	<0.1	5.0	0.1	65	0.19	0.073	11	15	0.49	142	0.038	<1	1.39	0.005	0.10	0.1	0.05	2.1	<0.1	<0.05	6	<0.5	<0.2		
L1200N - 4050E	6371200	594050	Soil	0.3	9.5	10.0	78	<0.1	11.6	7.9	776	2.93	23.3	2.4	1.3	13	<0.1	3.5	0.3	70	0.23	0.053	12	14	0.88	111	0.092	<1	1.46	0.006	0.08	0.2	0.02	3.1	<0.1	<0.05	7	<0.5	<0.2		
L1200N - 4100E	6371200	594100	Soil	0.6	9.0	9.5	63	<0.1	21.2	6.1	481	2.87	26.7	<0.5	0.9	14	0.2	3.6	0.2	61	0.18	0.049	12	20	0.54	169	0.041	3	1.56	0.007	0.07	0.3	0.04	2.9	<0.1	<0.05	7	<0.5	<0.2		
L1200N - 4150E	6371200	594150	Soil	0.4	9.7	9.1	46	<0.1	22.6	6.3	435	2.40	25.0	<0.5	0.4	14	0.2	4.4	0.1	54	0.12	0.058	10	22	0.45	175	0.020	<1	1.72	0.006	0.06	0.2	0.04	2.3	<0.1	<0.05	6	0.9	<0.2		
L1200N - 4200E	6371200	594200	Soil	0.3	19.9	19.2	84	0.1	16.8	8.2	858	2.68	25.1	1.5	1.2	38	0.2	1.5	0.1	63	0.61	0.071	22	18	0.70	346	0.032	2	2.02	0.012	0.12	0.2	0.03	4.3	<0.1	<0.05	8	<0.5	<0.2		
L1200N - 4250E	6371200	594250	Soil	0.6	10.8	10.4	65	<0.1	24.8	8.0	650	2.51	21.2	<0.5	0.4	14	<0.1	2.9	0.1	56	0.14	0.056	11	23	0.56	140	0.027	2	1.81	0.008	0.08	0.2	0.03	2.1	<0.1	<0.05	6	<0.5	<0.2		
L1200N - 4300E	6371200	594300	Soil	0.4	11.6	10.4	51	<0.1	27.5	9.2	570	2.64	22.7	<0.5	0.8	12	0.2	2.3	0.1	55	0.10	0.050	10	25	0.59	134	0.027	1	2.05	0.006	0.08	0.2	0.05	3.0	<0.1	<0.05	5	0.6	<0.2		
L1200N - 4350E	6371200	594350	Soil	0.5	20.2	9.5	69	<0.1	38.9	9.3	644	2.88	12.8	2.4	1.3	23	0.1	0.7	0.1	53	0.30	0.077	15	32	0.74	237	0.017	2	2.19	0.007	0.10	0.1	0.03	3.4	<0.1	<0.05	6	<0.5	<0.2		
L1200N - 4400E	6371200	594400	Soil	0.4	11.9	9.1	64	<0.1	22.4	7.3	598	2.75	15.4	<0.5	0.9	17	0.2	0.9	0.2	56	0.26	0.064	13	19	0.65	140	0.035	1	1.55	0.007	0.10	0.1	0.01	2.6	<0.1	<0.05	5	<0.5	<0.2		
L1200N - 4450E	6371200	594450	Soil	0.3	9.7	9.3	63	<0.1	14.8	6.6	605	2.68	16.2	<0.5	0.5	20	0.1	1.5	0.2	53	0.45	0.078	12	15	0.61	589	0.011	2	1.80	0.008	0.10	0.1	0.02	2.1	0.1	<0.05	7	<0.5	<0.2		
L1200N - 4500E	6371200	594500	Soil	0.4	14.9	9.1	61	<0.1	19.2	7.1	571	2.48	13.0	<0.5	1.6	20	0.1	1.5	0.2	52	0.58	0.050	12	20	0.65	675	0.020	2	1.65	0.008	0.12	0.1	0.04	4.2	0.1	<0.05	6	<0.5	<0.2		
L1200N - 4550E	6371200	594550																																							

ACME ANALYTICAL LABORATORIES LTD.

Final Report

Job Number:

Sample ID	Northing (NAD83)	Easting (NAD83)	Analyte Unit	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	Au PPB	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Hg PPM	Sc PPM	Tl PPM	S %	Ga PPM	Se PPM	Te PPM		
L1250N - 4850E	6371250	594850	Soil	0.6	18.8	14.5	91	0.3	26.6	9.6	1065	2.81	84.7	1.6	2.0	34	0.2	1.3	0.2	62	0.79	0.101	47	26	0.77	372	0.010	1	3.25	0.008	0.17	0.2	0.05	6.0	0.1	<0.05	8	1.0	<0.2		
L1250N - 4900E	6371250	594900	Soil	0.4	9.9	13.9	51	<0.1	19.6	6.8	500	2.25	39.8	2.2	0.7	19	0.2	1.9	0.1	48	0.21	0.049	11	20	0.47	116	0.028	<1	1.64	0.007	0.07	0.1	0.06	2.4	<0.1	<0.05	5	<0.5	<0.2		
L1250N - 4955E	6371250	594955	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.	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.
L1250N - 5000E	6371250	595000	Soil	0.7	10.9	12.5	81	0.3	15.9	4.9	386	3.20	91.6	1.6	0.2	22	0.7	1.5	0.2	56	0.16	0.180	11	20	0.37	148	0.015	2	2.17	0.005	0.09	0.2	0.10	0.8	<0.1	0.07	7	<0.5	<0.2		
L1300N - 3800E	6371300	593800	Soil	0.6	8.9	9.1	57	0.1	16.9	6.2	488	2.47	15.6	1.0	0.3	15	0.3	1.2	<0.1	54	0.12	0.041	9	20	0.48	128	0.028	3	1.82	0.006	0.07	0.1	0.04	2.1	<0.1	<0.05	7	<0.5	<0.2		
L1300N - 3850E	6371300	593850	Soil	0.5	9.3	8.7	63	<0.1	21.6	5.6	331	2.63	14.5	0.9	0.7	13	0.1	1.7	<0.1	52	0.14	0.047	10	23	0.50	120	0.038	1	1.67	0.007	0.07	0.2	0.02	2.5	<0.1	<0.05	7	<0.5	<0.2		
L1300N - 3900E	6371300	593900	Soil	0.5	8.3	9.9	60	0.1	12.3	4.2	418	2.41	12.5	228.8	<0.1	10	0.2	2.4	0.1	61	0.06	0.058	8	16	0.34	120	0.020	2	1.66	0.005	0.08	0.2	0.03	1.1	<0.1	<0.05	6	<0.5	<0.2		
L1300N - 3950E	6371300	593950	Soil	0.4	9.8	10.9	81	<0.1	14.4	6.1	571	2.96	15.8	1.0	1.7	20	0.3	2.2	0.1	74	0.26	0.064	12	15	0.62	98	0.083	3	1.80	0.008	0.07	0.2	0.01	3.5	<0.1	<0.05	7	<0.5	<0.2		
L1300N - 4000E	6371300	594000	Soil	0.5	11.8	13.2	69	<0.1	25.5	9.7	752	2.63	25.5	2.3	1.3	12	0.2	5.1	0.1	60	0.16	0.062	11	23	0.54	98	0.035	2	1.75	0.006	0.09	0.2	0.06	2.6	<0.1	<0.05	5	<0.5	<0.2		
L1300N - 4050E	6371300	594050	Soil	0.4	10.0	9.9	69	<0.1	10.6	5.0	697	2.04	11.1	3.0	<0.1	13	0.2	2.5	0.2	55	0.10	0.093	10	16	0.46	118	0.025	2	1.64	0.006	0.07	0.2	0.06	1.0	0.1	<0.05	8	<0.5	<0.2		
L1300N - 4100E	6371300	594100	Soil	0.5	14.9	8.9	74	<0.1	24.9	7.8	574	2.95	17.1	<0.5	0.8	14	<0.1	1.4	0.1	70	0.17	0.059	12	25	0.73	97	0.058	<1	1.70	0.007	0.07	0.1	0.03	3.0	<0.1	<0.05	6	<0.5	<0.2		
L1300N - 4150E	6371300	594150	Soil	0.3	11.2	13.9	67	<0.1	18.6	9.1	734	3.00	21.8	1.0	0.9	14	0.3	1.9	0.1	71	0.20	0.071	13	18	0.59	110	0.069	2	1.75	0.006	0.07	0.2	0.04	2.9	<0.1	<0.05	6	<0.5	<0.2		
L1300N - 4200E	6371300	594200	Soil	0.8	9.3	9.9	58	<0.1	12.4	5.4	689	2.70	19.7	0.6	0.4	11	<0.1	2.1	0.1	58	0.08	0.054	11	17	0.40	117	0.043	<1	1.27	0.008	0.07	0.2	0.02	1.4	<0.1	<0.05	7	<0.5	<0.2		
L1300N - 4250E	6371300	594250	Soil	0.6	12.9	10.6	68	<0.1	17.2	8.2	692	2.71	20.7	2.2	1.1	18	0.2	1.2	0.1	62	0.19	0.066	11	17	0.63	144	0.048	2	1.86	0.007	0.09	0.1	0.03	2.8	<0.1	<0.05	6	<0.5	<0.2		
L1300N - 4300E	6371300	594300	Soil	0.6	12.5	10.2	52	<0.1	27.2	9.6	584	2.53	20.8	0.8	0.8	12	0.2	2.7	0.1	55	0.12	0.053	10	26	0.55	122	0.030	2	1.85	0.006	0.09	0.1	0.04	2.9	<0.1	<0.05	5	<0.5	<0.2		
L1300N - 4350E	6371300	594350	Soil	0.7	9.8	10.0	65	<0.1	13.6	5.5	463	2.81	14.7	2.0	1.0	10	0.1	1.3	0.2	60	0.11	0.054	10	15	0.51	109	0.051	2	1.58	0.007	0.08	0.2	0.04	2.1	<0.1	<0.05	6	<0.5	<0.2		
L1300N - 4400E	6371300	594400	Soil	0.5	14.7	9.7	65	<0.1	19.3	6.7	498	2.79	13.3	2.1	1.5	12	0.2	0.9	0.2	56	0.14	0.040	10	17	0.63	178	0.025	2	1.58	0.006	0.08	0.2	0.03	2.0	<0.1	<0.05	7	<0.5	<0.2		
L1300N - 4450E	6371300	594450	Soil	0.3	6.4	8.7	48	<0.1	5.1	5.8	841	2.16	8.4	3.4	1.9	18	<0.1	0.9	0.2	43	0.64	0.101	16	6	0.29	500	0.012	<1	1.02	0.005	0.11	0.3	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2		
L1300N - 4500E	6371300	594500	Soil	0.7	9.8	8.7	61	<0.1	9.6	4.2	460	2.81	25.9	2.9	0.2	11	<0.1	1.5	0.2	55	0.09	0.076	9	10	0.35	196	0.017	<1	1.56	0.007	0.06	0.2	0.03	1.2	<0.1	<0.05	7	<0.5	<0.2		
L1300N - 4550E	6371300	594550	Soil	0.4	9.9	11.9	56	<0.1	17.0	7.7	669	3.00	21.0	3.1	0.7	11	0.2	2.0	0.1	61	0.14	0.048	11	17	0.55	131	0.033	<1	1.78	0.009	0.07	0.1	0.04	2.2	<0.1	<0.05	5	<0.5	<0.2		
L1300N - 4600E	6371300	594600	Soil	0.7	12.1	10.2	81	0.2	14.2	6.3	849	2.45	18.9	2.7	0.2	18	0.2	1.2	0.2	51	0.27	0.105	16	16	0.56	277	0.009	<1	2.16	0.007	0.08	0.1	0.07	0.9	<0.1	<0.05	8	<0.5	<0.2		
L1300N - 4650E	6371300	594650	Soil	0.4	12.0	11.7	56	<0.1	17.8	6.0	588	2.34	13.0	5.0	1.7	21	<0.1	0.9	<0.1	49	0.39	0.054	17	16	0.52	274	0.037	<1	1.57	0.013	0.08	<0.1	0.03	3.9	<0.1	<0.05	5	<0.5	<0.2		
L1300N - 4700E B	6371300	594700	Soil	0.5	10.9	9.0	53	<0.1	24.9	6.4	405	2.43	16.3	2.1	1.2	15	<0.1	1.4	0.1	52	0.22	0.052	12	22	0.47	174	0.031	1	1.57	0.008	0.07	<0.1	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2		
L1300N - 4700E C	6371300	594700	Soil	0.3	10.8	10.7	40	<0.1	21.1	7.4	569	2.22	19.0	2.0	1.7	24	0.2	1.1	<0.1	49	0.31	0.040	14	17	0.43	209	0.048	<1	1.27	0.009	0.06	<0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2		
L1300N - 4750E	6371300	594750	Soil	0.6	9.3	11.9	47	<0.1	19.9	6.8	569	2.36	24.4	3.2	0.6	19	<0.1	1.4	<0.1	49	0.27	0.051	10	18	0.43	197	0.029	<1	1.48	0.009	0.07	0.2	0.03	2.3	<0.1	<0.05	5	<0.5	<0.2		
L1300N - 4800E	6371300	594800	Soil	0.6	9.2	11.6	46	<0.1	17.8	5.8	454	2.40	32.8	2.4	0.3	20	0.1	1.2	0.1	47	0.14	0.044	10	18	0.44	144	0.021	<1	1.80	0.007	0.05	0.1	0.03	1.6	<0.1	<0.05	5	<0.5	<0.2		
L1300N - 4850E	6371300	594850	Soil	0.5	8.0	11.8	66	<0.1	15.9	5.4	555	2.40	27.8	2.6	0.2	25	0.3	1.4	0.1	46	0.23	0.098	15	15	0.41	161	0.016	<1	2.30	0.008	0.06	0.1	0.06	0.8	<0.1	0.06	7	<0.5	<0.2		
L1300N - 4900E	6371300	594900	Soil	0.4	8.8	13.1	53	0.1	18.0	6.8	588	2.24	56.7	2.8	0.4	20	0.3	1.7	0.1	47	0.17	0.054	12	17	0.40	143	0.027	<1	1.79	0.007	0.06	<0.1	0.07	1.6	<0.1	<0.05	5	<0.5	<0.2		
L1300N - 4950E	6371300	594950	Soil	0.5	11.3	16.1	73	<0.1	21.9	7.6	689	2.75	28.0	2.9	1.5	28	0.6	1.5	0.2	55	0.29	0.055	13	19	0.61	123	0.042	<1	2.39	0.011	0.09	0.1	0.05	3.2	0.1	<0.05	6	<0.5	<0.2		
L1300N - 5000E	6371300	595000	Soil	0.2	13.9	12.8	150	0.3	25.4	6.6	815	2.34	26.1	2.3	1.5	21	0.4	0.9	0.4	45	0.19	0.060	13	24	0.55	364	0.009	<1	2.21	0.008	0.13	0.1	0.05	3.2	0.3	<0.05	7	<0.5	<0.2		
1047N - 4400E	6371047	594400	Soil	0.4	10.4	11.0	81	<0.1	20.2	8.3	590	3.16	17.4	1.3	0.6	22	0.3	1.2	0.2	63	0.23	0.054	11	19	0.78	147	0.051	<1	1.58	0.006	0.12	0.2	0.03	2.6	<0.1	<0.05	7	<0.5	<0.2		
1149N - 4802E	6371149	594802	Soil	0.3	9.1	8.4	55	<0.1	15.7	4.5	309	1.97	12.8	2.3	0.8	23	0.1	1.5	<0.1	40	0.34	0.048	14	15	0.41	172	0.018	1	1.68	0.006	0.06	0.1	0.04	2.1	<0.1	<0.05	5	<0.5	<0.2		
1250N - 4650E	6371250	594650	Soil	0.4	16.1	10.4	61	0.1	23.4	8.4	715	2.79	17.3	2.2	2.2	32	<0.1	1.4	0.1	56	0.53	0.049	26	22	0.59	466	0.029	<1	1.84	0.010	0.11	0.2	0.05	5.1	<0.1	<0.05	6	<0.5	<0.2		
1250N - 4700E	6371250	594700	Soil	0.4	16.3	10.																																			

APPENDIX B

Laboratory Certificates

For 2013 Soil Samples



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Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: Mountainside Exploration Management
4302 Dundas St.
Burnaby BC V5C 1B3 CANADA

Submitted By: Scott Gifford
Receiving Lab: Canada-Vancouver
Received: October 02, 2013
Report Date: October 22, 2013
Page: 1 of 9

CERTIFICATE OF ANALYSIS

VAN13003993.1

CLIENT JOB INFORMATION

Project: RANCH
Shipment ID:
P.O. Number
Number of Samples: 211

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.

Invoice To: Mountainside Exploration Management
4302 Dundas St.
Burnaby BC V5C 1B3
CANADA

CC: Bob Lane

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	205	Dry at 60C			VAN
SS80	205	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	205	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. 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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Acme Analytical Laboratories (Vancouver) Ltd.
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
 PHONE (604) 253-3158

Client: Mountainside Exploration Management
 4302 Dundas St.
 Burnaby BC V5C 1B3 CANADA

Project: RANCH
Report Date: October 22, 2013

Page: 2 of 9 **Part:** 1 of 2

CERTIFICATE OF ANALYSIS

VAN13003993.1

Method Analyte	Unit	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
MDL	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L0650 - 0000S	Soil	36.6	4796.3	>10000	>10000	>100	11.5	12.8	480	3.27	43.1	733.8	3.3	43	48.6	104.1	1.5	47	0.94	0.068	10
L0650 - 0001B	Soil	2.6	22.4	2.6	44	0.2	22.4	9.4	410	2.39	4.2	2.9	0.8	36	0.1	0.3	<0.1	61	0.86	0.055	4
L0650N - 3850E	Soil	0.4	15.3	10.0	55	<0.1	40.6	9.0	533	2.52	40.5	2.8	2.0	20	0.1	4.0	0.1	47	0.43	0.023	16
L0650N - 3900E	Soil	0.3	4.4	4.1	39	<0.1	19.4	3.9	176	1.50	12.8	1.9	0.8	10	<0.1	2.4	<0.1	34	0.18	0.013	8
L0650N - 3950E	Soil	0.5	5.0	4.3	54	<0.1	16.0	3.9	173	1.93	15.1	1.3	0.4	8	0.2	7.2	<0.1	45	0.15	0.026	7
L0650N - 4000E	Soil	0.3	5.0	4.3	63	<0.1	22.2	4.6	252	1.70	14.2	<0.5	0.9	14	0.1	2.8	<0.1	34	0.23	0.017	9
L0650N - 4050E	Soil	0.4	10.4	8.0	57	<0.1	33.5	9.9	523	2.38	25.2	1.0	2.0	24	0.2	1.9	0.1	50	0.46	0.025	13
L0650N - 4100E	Soil	0.3	6.6	5.2	50	<0.1	20.8	6.0	386	1.92	14.8	<0.5	0.9	23	0.3	4.6	<0.1	39	0.33	0.030	7
L0650N - 4150E	Soil	0.3	7.2	6.3	44	<0.1	26.3	5.4	300	1.96	12.0	1.2	1.3	26	<0.1	2.5	<0.1	40	0.39	0.036	10
L0650N - 4200E	Soil	0.3	7.5	7.4	36	<0.1	27.7	7.4	472	1.78	18.7	0.8	1.4	24	<0.1	1.9	<0.1	36	0.29	0.019	10
L0650N - 4250E	Soil	0.3	7.8	7.3	43	<0.1	25.1	7.5	593	1.87	13.4	1.4	1.1	23	0.1	2.7	<0.1	38	0.29	0.025	9
L0650N - 4300E	Soil	0.4	38.3	10.3	108	0.4	30.7	9.4	863	2.72	25.3	5.6	2.0	45	0.3	1.9	0.1	53	0.77	0.063	168
L0650N - 4350E	Soil	0.3	8.9	7.9	43	<0.1	24.0	8.1	545	1.87	16.9	1.6	1.2	25	<0.1	1.8	<0.1	38	0.27	0.033	14
L0650N - 4400E	Soil	0.2	9.6	9.6	46	0.1	10.9	5.5	446	2.42	14.6	<0.5	0.9	15	<0.1	0.7	<0.1	26	0.37	0.050	15
L0650N - 4450E	Soil	0.4	19.8	7.3	68	0.6	29.9	7.3	651	2.28	25.1	1.5	1.3	32	0.2	0.6	<0.1	50	0.81	0.088	72
L0650N - 4500E	Soil	0.4	9.2	6.6	71	<0.1	20.4	6.4	449	2.45	14.3	0.7	0.7	16	0.2	0.7	0.1	51	0.48	0.051	11
L0650N - 4550E	Soil	0.4	9.3	8.9	52	<0.1	24.2	6.6	377	1.84	21.2	1.5	0.5	25	0.1	2.5	<0.1	40	0.31	0.045	12
L0650N - 4600E	Soil	0.6	10.7	8.8	56	<0.1	21.6	6.6	511	2.45	33.0	<0.5	0.2	18	0.1	1.5	0.1	55	0.28	0.069	11
L0650N - 4650E	Soil	0.9	15.6	7.7	62	0.2	26.0	6.6	501	2.42	68.7	<0.5	0.3	25	0.2	1.3	0.1	46	0.38	0.065	8
L0650N - 4700E	Soil	0.9	39.1	13.5	99	0.8	49.5	15.0	1043	3.42	50.6	2.9	1.5	44	0.6	1.1	0.2	58	1.26	0.142	25
L0650N - 4750E	Soil	0.5	26.3	10.8	92	0.9	40.4	7.6	475	2.60	28.6	1.7	1.6	38	0.2	1.1	0.1	47	0.95	0.089	45
L0650N - 4800E	Soil	0.6	16.0	8.4	77	0.2	39.3	8.5	436	2.83	41.0	1.5	0.7	12	0.1	1.1	0.1	47	0.08	0.045	8
L0650N - 4850E	Soil	0.9	11.4	8.9	76	0.2	25.8	5.9	374	2.79	103.8	<0.5	0.8	11	0.2	1.7	0.1	51	0.08	0.050	8
L0650N - 4900E	Soil	0.5	16.1	11.3	187	3.7	25.9	5.8	386	2.22	223.1	1.6	0.7	17	0.3	2.4	0.1	41	0.21	0.052	17
L0650N - 4950E	Soil	0.4	23.7	18.8	305	1.5	25.5	5.0	404	1.87	214.0	40.3	0.5	20	0.5	2.9	0.1	33	0.21	0.052	22
L0650N - 5000E	Soil	0.6	10.1	13.7	112	0.6	15.3	6.3	533	2.39	62.6	5.2	<0.1	11	0.4	2.8	0.1	48	0.11	0.040	6
L0700N - 3850E	Soil	0.4	8.6	10.6	50	<0.1	25.2	8.2	598	2.03	20.2	1.0	1.3	23	0.1	4.1	<0.1	38	0.30	0.034	10
L0700N - 3900E	Soil	0.4	7.5	7.1	36	<0.1	24.0	8.3	567	1.99	22.1	0.8	1.3	16	0.1	5.8	<0.1	40	0.26	0.023	9
L0700N - 3950E	Soil	0.4	9.6	6.7	45	<0.1	29.0	7.5	470	2.03	25.6	1.1	1.5	16	<0.1	3.8	<0.1	41	0.38	0.032	17
L0700N - 4000E	Soil	0.4	5.6	4.5	46	<0.1	18.9	5.2	340	1.93	15.3	<0.5	0.7	17	0.1	4.8	<0.1	46	0.37	0.025	6

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Project: RANCH
Report Date: October 22, 2013

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Part: 2 of 2

CERTIFICATE OF ANALYSIS

VAN13003993.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
				ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		
				1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
L0650 - 0000S	Soil			18	0.58	89	0.085	5	0.94	0.057	0.39	11.8	1.13	3.4	3.1	1.59	8	2.6	<0.2
L0650 - 0001B	Soil			32	0.78	100	0.111	5	1.64	0.090	0.13	9.4	0.02	4.8	<0.1	<0.05	5	<0.5	<0.2
L0650N - 3850E	Soil			35	0.57	287	0.014	2	1.76	0.009	0.11	0.2	0.09	5.5	0.1	<0.05	5	<0.5	<0.2
L0650N - 3900E	Soil			21	0.33	168	0.014	<1	1.08	0.006	0.04	0.2	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
L0650N - 3950E	Soil			19	0.30	152	0.007	1	1.27	0.005	0.07	0.3	0.06	1.7	<0.1	<0.05	5	<0.5	<0.2
L0650N - 4000E	Soil			22	0.37	207	0.019	1	1.04	0.007	0.06	0.2	0.04	2.5	<0.1	<0.05	4	<0.5	<0.2
L0650N - 4050E	Soil			33	0.55	586	0.012	2	1.89	0.008	0.08	0.1	0.04	5.0	<0.1	<0.05	6	<0.5	<0.2
L0650N - 4100E	Soil			20	0.40	392	0.015	1	1.24	0.007	0.08	0.3	0.05	2.8	<0.1	<0.05	4	<0.5	<0.2
L0650N - 4150E	Soil			26	0.45	340	0.024	1	1.18	0.011	0.06	0.2	0.05	3.0	<0.1	<0.05	4	<0.5	<0.2
L0650N - 4200E	Soil			26	0.44	312	0.027	1	1.12	0.017	0.05	0.1	0.04	3.0	<0.1	<0.05	4	<0.5	<0.2
L0650N - 4250E	Soil			23	0.41	303	0.025	1	0.99	0.011	0.05	0.2	0.05	2.6	<0.1	<0.05	4	<0.5	<0.2
L0650N - 4300E	Soil			30	0.65	1223	0.006	1	2.20	0.008	0.13	0.1	0.10	6.9	<0.1	<0.05	6	<0.5	<0.2
L0650N - 4350E	Soil			24	0.43	533	0.026	1	1.09	0.010	0.06	0.1	0.04	3.1	<0.1	<0.05	4	<0.5	<0.2
L0650N - 4400E	Soil			12	0.45	471	0.008	<1	1.23	0.007	0.08	<0.1	0.02	2.8	<0.1	<0.05	3	<0.5	<0.2
L0650N - 4450E	Soil			29	0.52	1048	0.007	<1	2.34	0.009	0.10	<0.1	0.09	6.8	<0.1	<0.05	6	<0.5	<0.2
L0650N - 4500E	Soil			21	0.60	623	0.024	1	1.66	0.008	0.06	0.1	0.03	2.9	<0.1	<0.05	6	<0.5	<0.2
L0650N - 4550E	Soil			23	0.40	260	0.016	1	1.28	0.009	0.05	0.2	0.04	2.4	<0.1	<0.05	4	<0.5	<0.2
L0650N - 4600E	Soil			23	0.41	211	0.012	<1	1.54	0.007	0.06	0.1	0.04	1.4	<0.1	<0.05	5	<0.5	<0.2
L0650N - 4650E	Soil			30	0.43	335	0.008	1	1.67	0.007	0.10	0.1	0.04	1.7	<0.1	<0.05	6	<0.5	<0.2
L0650N - 4700E	Soil			48	0.69	1129	0.007	1	2.78	0.009	0.15	<0.1	0.19	5.8	<0.1	<0.05	8	<0.5	<0.2
L0650N - 4750E	Soil			38	0.57	429	0.006	1	2.27	0.008	0.14	<0.1	0.13	5.6	<0.1	<0.05	6	<0.5	<0.2
L0650N - 4800E	Soil			39	0.58	162	0.009	<1	2.25	0.007	0.09	<0.1	0.07	3.0	<0.1	<0.05	7	<0.5	<0.2
L0650N - 4850E	Soil			30	0.43	130	0.011	<1	1.88	0.006	0.07	0.1	0.52	2.8	0.1	<0.05	7	<0.5	<0.2
L0650N - 4900E	Soil			24	0.43	192	0.009	<1	1.60	0.006	0.07	0.1	0.14	2.4	<0.1	<0.05	5	<0.5	<0.2
L0650N - 4950E	Soil			23	0.40	122	0.008	<1	1.39	0.006	0.05	0.1	0.13	1.8	<0.1	<0.05	5	<0.5	<0.2
L0650N - 5000E	Soil			18	0.29	109	0.010	<1	1.00	0.005	0.08	0.2	0.03	0.7	<0.1	<0.05	5	<0.5	<0.2
L0700N - 3850E	Soil			23	0.38	193	0.024	1	1.08	0.008	0.07	0.3	0.05	2.8	<0.1	<0.05	4	<0.5	<0.2
L0700N - 3900E	Soil			21	0.37	214	0.026	1	0.99	0.007	0.05	0.3	0.06	2.7	<0.1	<0.05	4	<0.5	<0.2
L0700N - 3950E	Soil			27	0.44	187	0.014	1	1.30	0.007	0.07	0.2	0.14	4.9	<0.1	<0.05	4	<0.5	<0.2
L0700N - 4000E	Soil			19	0.41	317	0.013	1	1.21	0.007	0.08	0.3	0.05	2.4	<0.1	<0.05	4	<0.5	<0.2

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 Burnaby BC V5C 1B3 CANADA

Project: RANCH
Report Date: October 22, 2013

Page: 3 of 9

Part: 1 of 2

CERTIFICATE OF ANALYSIS

VAN13003993.1

Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	
			0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
L0700N - 4050E	Soil		0.4	7.3	6.8	38	0.1	25.9	7.7	534	1.95	18.2	0.7	1.3	24	<0.1	2.6	<0.1	36	0.27	0.020	9
L0700N - 4150E	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.
L0700N - 4189E	Soil		0.4	11.6	8.0	54	0.1	31.1	9.3	619	2.27	22.2	2.5	1.4	35	<0.1	2.7	0.1	55	0.54	0.040	13
L0700N - 4250E	Soil		0.4	8.4	12.2	59	<0.1	12.0	8.5	800	2.96	15.7	2.5	1.6	20	<0.1	1.4	<0.1	60	0.33	0.042	13
L0700N - 4300E	Soil		0.3	5.6	5.0	96	<0.1	15.8	4.3	302	1.87	13.1	0.7	0.2	14	0.1	3.2	<0.1	40	0.26	0.041	12
L0700N - 4350E	Soil		0.5	5.5	6.7	53	<0.1	5.2	4.4	360	2.92	14.8	0.9	0.3	18	<0.1	0.7	<0.1	53	0.20	0.060	9
L0700N - 4400E	Soil		0.3	5.9	5.3	61	<0.1	16.6	5.6	323	2.12	9.6	<0.5	0.1	9	0.1	0.9	<0.1	42	0.14	0.041	9
L0700N - 4450E	Soil		0.4	23.0	7.4	46	0.1	22.5	5.8	518	2.11	14.6	0.6	1.2	24	0.2	0.7	0.1	38	0.53	0.057	18
L0700N - 4500E	Soil		0.3	11.9	7.6	51	<0.1	24.9	6.4	464	2.18	37.3	0.8	1.4	20	0.2	0.6	0.1	46	0.43	0.059	15
L0700N - 4550E	Soil		0.7	8.2	11.6	41	<0.1	21.7	7.4	517	1.86	27.8	1.0	1.0	28	0.2	3.9	<0.1	45	0.28	0.048	10
L0700N - 4600E	Soil		0.5	14.8	7.5	49	0.1	23.8	5.0	382	2.11	54.4	2.5	0.9	28	0.5	1.7	0.1	50	0.65	0.066	22
L0700N - 4650E	Soil		0.5	24.5	7.9	38	0.1	23.6	6.0	523	1.97	144.1	0.8	1.0	26	0.3	2.1	<0.1	43	0.28	0.037	17
L0700N - 4700E	Soil		0.6	12.9	9.4	48	0.1	31.5	7.8	426	1.99	30.4	2.1	0.6	25	0.2	1.2	0.1	36	0.22	0.037	10
L0700N - 4750E	Soil		0.6	18.6	12.7	66	0.3	34.4	7.3	409	2.10	22.0	2.3	1.9	25	0.4	1.2	0.1	37	0.40	0.065	76
L0700N - 4800E	Soil		0.5	18.6	13.1	66	0.3	35.8	9.0	669	2.36	59.0	0.7	1.6	43	0.4	2.0	0.2	43	0.52	0.068	27
L0700N - 4850E	Soil		0.4	17.9	10.7	68	0.2	38.0	8.2	493	2.46	103.5	2.5	1.2	14	0.1	1.3	0.1	45	0.09	0.038	10
L0700N - 4900E	Soil		0.5	10.7	25.1	167	0.4	21.0	4.9	402	2.20	94.8	4.4	0.4	17	0.5	2.5	0.1	43	0.18	0.047	8
L0700N - 4950E	Soil		0.3	41.8	124.7	325	2.9	25.1	5.4	493	1.88	234.8	7.2	0.9	31	0.5	4.8	0.3	37	0.33	0.071	61
L0700N - 5000E	Soil		0.7	54.3	40.8	472	0.5	41.2	18.3	1335	4.79	138.9	5.8	0.3	17	1.7	2.5	0.2	120	0.31	0.057	7
L0750 - 0000S	Soil		36.4	4469.3	>10000	8429	>100	10.9	12.4	517	3.10	47.9	672.1	3.8	53	53.9	139.0	1.7	54	0.94	0.068	10
L0750 - 0001B	Soil		2.3	23.2	4.2	40	0.3	19.8	8.2	384	2.11	3.3	3.9	0.8	37	<0.1	0.3	<0.1	57	0.75	0.053	4
L0750N - 3900E	Soil		0.4	8.1	8.4	35	<0.1	22.5	7.0	612	1.98	20.8	2.9	1.2	25	<0.1	7.5	<0.1	42	0.23	0.046	11
L0750N - 3950E	Soil		0.4	9.5	8.9	49	<0.1	26.6	8.2	627	2.04	22.7	1.7	1.4	25	0.1	6.7	<0.1	42	0.36	0.043	12
L0750N - 4000E	Soil		0.5	9.0	7.1	46	<0.1	24.3	6.2	450	1.94	23.9	4.3	1.2	21	0.2	6.0	<0.1	41	0.26	0.031	10
L0750N - 4050E	Soil		0.4	17.8	10.4	63	0.1	40.5	11.8	827	2.44	20.3	2.8	2.6	39	0.2	3.7	0.1	47	0.41	0.025	18
L0750N - 4100E	Soil		0.3	16.6	8.6	73	<0.1	29.2	8.8	534	2.12	25.0	1.4	1.6	53	<0.1	1.9	0.1	60	0.54	0.048	14
L0750N - 4150E	Soil		0.4	9.5	8.2	62	<0.1	24.1	7.6	624	2.00	16.4	2.4	1.3	26	0.2	4.6	<0.1	47	0.38	0.051	14
L0750N - 4189E	Soil		0.5	11.5	10.5	106	0.2	18.5	8.3	775	2.82	17.9	3.2	0.7	18	0.2	1.7	0.2	74	0.40	0.083	20
L0750N - 4250E	Soil		0.4	7.9	7.7	78	0.1	21.9	6.5	443	1.88	18.6	0.9	1.5	20	<0.1	1.6	0.1	47	0.33	0.032	17
L0750N - 4300E	Soil		0.5	8.9	8.7	65	<0.1	12.0	6.1	506	2.56	14.3	3.7	0.5	16	0.2	1.4	<0.1	54	0.29	0.066	17

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Project: RANCH
Report Date: October 22, 2013

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CERTIFICATE OF ANALYSIS

VAN13003993.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
				ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		
				1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
L0700N - 4050E	Soil			24	0.42	273	0.030	1	1.03	0.013	0.06	0.2	0.05	2.8	<0.1	<0.05	3	<0.5	<0.2
L0700N - 4150E	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.
L0700N - 4189E	Soil			30	0.55	670	0.015	2	1.51	0.010	0.10	0.2	0.08	4.5	<0.1	<0.05	5	<0.5	<0.2
L0700N - 4250E	Soil			12	0.35	422	0.042	<1	0.93	0.009	0.07	0.2	0.03	3.7	<0.1	<0.05	3	<0.5	<0.2
L0700N - 4300E	Soil			18	0.35	352	0.018	<1	1.05	0.006	0.07	0.2	0.04	1.8	<0.1	<0.05	4	<0.5	<0.2
L0700N - 4350E	Soil			6	0.19	203	0.025	1	0.70	0.005	0.07	0.2	0.01	1.2	<0.1	<0.05	2	<0.5	<0.2
L0700N - 4400E	Soil			18	0.50	220	0.010	<1	1.30	0.006	0.06	0.1	0.02	1.0	<0.1	<0.05	5	<0.5	<0.2
L0700N - 4450E	Soil			22	0.42	520	0.010	1	1.55	0.008	0.09	<0.1	0.03	4.4	<0.1	<0.05	4	<0.5	<0.2
L0700N - 4500E	Soil			23	0.60	434	0.012	2	1.63	0.009	0.08	0.1	0.04	3.5	<0.1	<0.05	5	0.8	<0.2
L0700N - 4550E	Soil			20	0.39	209	0.025	3	1.11	0.009	0.06	0.2	<0.01	3.1	<0.1	<0.05	3	0.7	<0.2
L0700N - 4600E	Soil			24	0.44	536	0.012	<1	1.53	0.009	0.09	0.1	0.04	3.1	<0.1	<0.05	5	<0.5	<0.2
L0700N - 4650E	Soil			21	0.39	304	0.016	2	1.17	0.009	0.07	0.2	0.06	3.3	<0.1	<0.05	4	0.8	<0.2
L0700N - 4700E	Soil			28	0.48	208	0.013	2	1.35	0.012	0.07	0.1	0.07	2.2	<0.1	<0.05	4	0.6	<0.2
L0700N - 4750E	Soil			30	0.49	398	0.006	1	1.76	0.009	0.10	<0.1	0.09	4.5	<0.1	<0.05	4	<0.5	<0.2
L0700N - 4800E	Soil			31	0.55	306	0.011	3	1.63	0.010	0.09	<0.1	0.06	4.4	<0.1	<0.05	4	<0.5	<0.2
L0700N - 4850E	Soil			36	0.54	140	0.012	1	1.97	0.009	0.10	0.1	0.07	3.6	0.1	<0.05	5	<0.5	<0.2
L0700N - 4900E	Soil			23	0.39	145	0.008	2	1.56	0.006	0.06	0.1	0.04	1.8	<0.1	<0.05	5	<0.5	<0.2
L0700N - 4950E	Soil			23	0.44	253	0.008	1	1.38	0.008	0.08	0.1	0.13	3.1	<0.1	<0.05	4	<0.5	<0.2
L0700N - 5000E	Soil			61	1.11	115	0.034	2	2.11	0.009	0.06	<0.1	0.03	6.5	<0.1	<0.05	8	0.7	<0.2
L0750 - 0000S	Soil			17	0.60	103	0.092	6	0.91	0.061	0.40	11.4	1.04	3.6	3.2	1.51	8	2.8	0.3
L0750 - 0001B	Soil			26	0.68	91	0.100	5	1.37	0.086	0.12	9.0	0.01	4.3	<0.1	<0.05	4	<0.5	<0.2
L0750N - 3900E	Soil			21	0.36	264	0.018	<1	1.06	0.007	0.06	0.3	0.05	2.7	<0.1	<0.05	4	<0.5	0.3
L0750N - 3950E	Soil			22	0.41	311	0.019	<1	1.12	0.009	0.07	0.3	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
L0750N - 4000E	Soil			22	0.38	304	0.017	3	1.13	0.010	0.05	0.3	0.06	3.4	<0.1	<0.05	4	<0.5	<0.2
L0750N - 4050E	Soil			34	0.58	582	0.013	2	1.71	0.014	0.11	0.1	0.06	6.0	<0.1	<0.05	5	<0.5	<0.2
L0750N - 4100E	Soil			30	0.55	613	0.013	3	1.47	0.012	0.09	0.1	0.06	4.9	<0.1	0.06	4	<0.5	<0.2
L0750N - 4150E	Soil			24	0.44	435	0.014	1	1.32	0.009	0.08	0.2	0.04	3.8	<0.1	<0.05	4	<0.5	<0.2
L0750N - 4189E	Soil			20	0.42	466	0.009	1	1.64	0.008	0.08	0.2	0.03	4.3	<0.1	<0.05	6	<0.5	<0.2
L0750N - 4250E	Soil			22	0.43	424	0.017	2	1.26	0.013	0.07	0.1	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
L0750N - 4300E	Soil			13	0.33	422	0.012	2	1.29	0.008	0.09	0.2	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2

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Project: RANCH
Report Date: October 22, 2013

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CERTIFICATE OF ANALYSIS

VAN13003993.1

Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	
			0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
L0750N - 4350E	Soil		0.3	6.9	7.4	112	0.1	18.7	4.5	364	1.98	19.9	<0.5	0.4	18	0.1	2.4	<0.1	45	0.27	0.060	14
L0750N - 4400E	Soil		0.6	12.3	24.8	117	0.1	17.8	5.9	518	2.11	63.7	2.4	0.8	17	0.4	2.0	<0.1	49	0.17	0.030	17
L0750N - 4450E	Soil		0.4	10.0	7.5	51	<0.1	18.1	5.4	295	2.16	21.4	1.4	1.1	17	0.1	0.9	<0.1	43	0.14	0.038	9
L0750N - 4500E	Soil		0.5	12.1	7.7	50	0.1	24.7	5.7	507	2.17	77.0	0.9	1.3	22	0.2	0.9	0.1	46	0.52	0.058	20
L0750N - 4550E	Soil		0.6	12.5	9.6	42	<0.1	22.1	6.7	516	2.26	88.1	2.2	1.6	24	0.2	1.4	0.1	52	0.42	0.027	14
L0750N - 4600E	Soil		0.3	8.6	6.9	61	<0.1	20.7	5.1	412	1.88	54.7	2.9	0.7	69	0.2	1.5	0.1	49	0.81	0.066	11
L0750N - 4650E	Soil		1.0	95.6	13.1	121	0.7	58.2	13.7	1155	3.95	101.4	4.6	2.9	54	0.3	1.7	0.2	71	1.24	0.153	32
L0750N - 4700E	Soil		0.4	11.5	8.6	63	<0.1	29.0	6.2	464	2.23	66.3	2.0	0.9	26	0.4	1.9	0.1	45	0.28	0.060	13
L0750N - 4750E	Soil		0.5	11.0	10.8	60	0.3	26.5	7.1	442	2.15	18.1	2.5	0.5	14	0.4	1.0	0.1	38	0.14	0.038	12
L0750N - 4797E	Soil		0.5	15.8	17.2	106	0.1	26.9	6.1	686	2.44	23.8	4.1	1.2	22	0.3	2.1	0.2	50	0.37	0.078	14
L0750N - 4850E	Soil		0.5	12.6	9.7	58	0.1	32.8	7.2	455	2.21	47.9	3.8	0.8	24	0.1	1.4	0.1	40	0.21	0.035	10
L0750N - 4900E B	Soil		0.5	10.0	10.3	77	0.4	27.6	4.9	325	2.28	127.9	4.1	0.9	11	0.2	2.0	0.1	42	0.05	0.035	9
L0750N - 4900E C	Soil		0.4	15.2	11.8	74	0.3	36.4	8.2	545	2.13	126.4	1.4	1.3	16	0.2	2.1	0.1	40	0.07	0.037	10
L0750N - 4950E	Soil		0.5	10.9	22.7	272	0.4	17.2	4.9	363	1.76	132.0	2.2	0.9	19	0.3	2.6	0.2	34	0.23	0.034	8
L0750N - 5000E	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.
L0800N - 3900E	Soil		0.4	7.6	10.2	43	<0.1	21.1	8.3	586	2.03	20.9	1.7	1.7	25	0.2	5.2	0.1	40	0.30	0.017	12
L0800N - 3950E	Soil		0.4	16.2	7.7	60	0.2	36.0	10.6	657	2.33	16.0	1.7	1.5	34	0.2	4.2	<0.1	44	0.66	0.037	16
L0800N - 4000E	Soil		0.4	6.4	6.7	96	<0.1	20.7	6.1	400	2.10	35.4	0.7	1.3	17	0.2	2.9	<0.1	45	0.35	0.022	8
L0800N - 4050E	Soil		0.3	8.7	7.1	37	0.1	26.9	8.9	643	1.93	19.9	4.4	1.2	23	0.1	4.1	<0.1	40	0.36	0.036	11
L0800N - 4100E	Soil		0.4	11.4	8.5	78	<0.1	12.1	8.8	815	3.02	17.2	0.6	1.3	14	0.1	1.2	0.1	70	0.38	0.048	16
L0800N - 4150E	Soil		0.4	7.3	5.5	87	<0.1	21.9	6.2	322	2.18	20.9	0.6	0.5	11	<0.1	2.5	<0.1	51	0.19	0.045	9
L0800N - 4189E	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.
L0800N - 4250E	Soil		0.5	8.9	7.3	95	<0.1	17.6	6.9	543	2.78	27.0	0.9	0.2	10	0.1	1.4	0.1	62	0.36	0.068	19
L0800N - 4300E	Soil		0.3	10.3	6.3	70	<0.1	18.8	6.4	523	1.98	14.2	<0.5	0.3	12	0.1	0.9	<0.1	46	0.23	0.059	22
L0800N - 4350E	Soil		0.3	6.0	5.1	56	<0.1	19.2	4.3	244	1.88	14.1	1.2	0.1	11	<0.1	2.6	<0.1	42	0.19	0.037	10
L0800N - 4400E	Soil		0.5	6.6	6.5	70	<0.1	19.2	5.7	277	2.25	18.1	0.6	0.2	10	<0.1	1.7	<0.1	42	0.13	0.047	8
L0800N - 4450E	Soil		0.4	15.5	7.6	60	<0.1	19.9	6.5	437	2.36	23.3	1.5	0.2	12	<0.1	0.9	<0.1	45	0.24	0.052	13
L0800N - 4500E	Soil		0.3	10.6	7.8	42	<0.1	27.1	7.6	529	2.13	152.4	3.3	1.4	22	0.1	0.8	<0.1	48	0.50	0.056	15
L0800N - 4550E	Soil		0.3	22.5	8.1	44	0.1	23.7	6.8	490	2.22	60.7	1.2	1.4	23	<0.1	0.7	<0.1	59	0.53	0.040	37
L0800N - 4600E B	Soil		0.9	12.6	8.5	66	<0.1	29.7	7.8	441	2.39	29.1	1.8	0.4	12	0.4	1.2	<0.1	42	0.08	0.059	8

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Project: RANCH
Report Date: October 22, 2013

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CERTIFICATE OF ANALYSIS

VAN13003993.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
				ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		
				1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
L0750N - 4350E	Soil			16	0.37	464	0.010	1	1.32	0.005	0.07	0.2	0.05	2.5	<0.1	<0.05	4	<0.5	<0.2
L0750N - 4400E	Soil			17	0.37	412	0.019	2	1.19	0.012	0.06	0.1	0.05	3.2	<0.1	<0.05	3	0.6	<0.2
L0750N - 4450E	Soil			21	0.40	295	0.017	<1	1.32	0.007	0.07	0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
L0750N - 4500E	Soil			25	0.46	442	0.017	<1	1.54	0.010	0.09	0.1	0.02	4.8	<0.1	<0.05	4	<0.5	<0.2
L0750N - 4550E	Soil			22	0.47	363	0.031	2	1.33	0.011	0.07	<0.1	0.04	4.1	<0.1	0.05	4	<0.5	<0.2
L0750N - 4600E	Soil			21	0.44	355	0.017	2	2.14	0.015	0.12	0.1	0.04	3.3	<0.1	<0.05	6	<0.5	<0.2
L0750N - 4650E	Soil			52	0.84	942	0.005	1	3.71	0.010	0.21	<0.1	0.21	9.9	0.1	0.07	9	<0.5	<0.2
L0750N - 4700E	Soil			25	0.49	261	0.019	<1	1.44	0.008	0.10	0.1	0.12	2.8	<0.1	<0.05	4	<0.5	<0.2
L0750N - 4750E	Soil			25	0.43	178	0.011	1	1.51	0.009	0.07	0.1	0.06	2.1	<0.1	<0.05	4	0.6	<0.2
L0750N - 4797E	Soil			25	0.46	241	0.010	<1	1.64	0.009	0.10	0.2	0.04	3.7	<0.1	<0.05	5	<0.5	<0.2
L0750N - 4850E	Soil			29	0.48	169	0.014	<1	1.50	0.009	0.08	<0.1	0.04	2.7	<0.1	<0.05	4	0.9	<0.2
L0750N - 4900E B	Soil			27	0.43	104	0.011	1	1.65	0.007	0.07	<0.1	0.09	2.7	<0.1	<0.05	5	<0.5	<0.2
L0750N - 4900E C	Soil			30	0.51	148	0.011	1	1.80	0.009	0.08	0.1	0.09	3.7	<0.1	<0.05	5	<0.5	<0.2
L0750N - 4950E	Soil			19	0.31	113	0.009	1	1.09	0.006	0.05	0.1	0.06	2.1	<0.1	<0.05	5	<0.5	<0.2
L0750N - 5000E	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.
L0800N - 3900E	Soil			20	0.34	300	0.024	2	0.87	0.006	0.08	0.3	0.05	3.0	<0.1	<0.05	3	<0.5	<0.2
L0800N - 3950E	Soil			30	0.55	637	0.013	2	1.53	0.008	0.10	0.2	0.09	4.8	<0.1	<0.05	4	<0.5	<0.2
L0800N - 4000E	Soil			22	0.39	438	0.015	1	1.22	0.007	0.05	0.2	0.03	3.3	<0.1	<0.05	5	<0.5	<0.2
L0800N - 4050E	Soil			23	0.40	365	0.022	2	1.11	0.014	0.07	0.3	0.05	3.1	<0.1	<0.05	4	<0.5	<0.2
L0800N - 4100E	Soil			12	0.25	359	0.022	1	0.91	0.006	0.07	0.2	0.02	4.2	<0.1	<0.05	3	<0.5	<0.2
L0800N - 4150E	Soil			23	0.38	292	0.010	<1	1.58	0.006	0.06	0.2	0.03	2.4	<0.1	<0.05	5	<0.5	<0.2
L0800N - 4189E	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.
L0800N - 4250E	Soil			18	0.33	294	0.016	1	1.36	0.007	0.06	0.2	0.03	2.5	<0.1	<0.05	5	<0.5	<0.2
L0800N - 4300E	Soil			18	0.34	377	0.007	<1	1.38	0.007	0.05	<0.1	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
L0800N - 4350E	Soil			20	0.34	192	0.016	1	1.08	0.006	0.06	0.2	0.02	1.0	<0.1	<0.05	4	<0.5	<0.2
L0800N - 4400E	Soil			20	0.33	141	0.013	1	1.31	0.006	0.06	0.1	0.02	1.1	<0.1	<0.05	5	<0.5	<0.2
L0800N - 4450E	Soil			21	0.42	317	0.012	1	1.38	0.008	0.06	0.1	0.02	1.3	<0.1	<0.05	5	<0.5	<0.2
L0800N - 4500E	Soil			24	0.45	310	0.028	2	1.59	0.010	0.07	0.1	0.04	3.7	<0.1	<0.05	4	<0.5	<0.2
L0800N - 4550E	Soil			24	0.48	603	0.022	1	1.76	0.011	0.08	0.1	0.06	5.0	<0.1	<0.05	5	<0.5	<0.2
L0800N - 4600E B	Soil			29	0.45	123	0.016	1	1.86	0.006	0.07	0.1	0.30	1.8	<0.1	<0.05	5	<0.5	<0.2

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CERTIFICATE OF ANALYSIS

VAN13003993.1

Method Analyte Unit MDL	1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001	1DX15 La ppm 1	
L0800N - 4600E C	Soil	0.7	13.0	8.8	57	<0.1	26.7	8.8	532	2.21	23.9	0.6	0.5	13	0.3	1.2	<0.1	42	0.12	0.049	9
L0800N - 4650E	Soil	0.3	11.1	7.5	51	0.1	27.5	6.4	429	1.93	18.9	26.2	1.1	21	0.1	1.1	<0.1	39	0.35	0.042	10
L0800N - 4710E	Soil	0.5	11.2	10.1	59	0.1	28.6	8.0	525	2.24	19.1	1.5	1.1	20	0.3	0.9	<0.1	42	0.31	0.038	22
L0800N - 4750E	Soil	0.8	9.6	10.5	158	0.1	16.4	5.8	528	2.09	16.1	1.3	0.7	15	0.3	0.8	0.1	41	0.40	0.065	14
L0800N - 4800E	Soil	0.8	12.1	13.2	86	0.7	32.1	8.2	470	2.53	12.2	2.1	0.5	17	0.3	1.9	0.1	51	0.10	0.052	8
L0800N - 4850E	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.
L0800N - 4900E	Soil	0.5	10.7	14.1	78	0.4	25.3	7.3	543	2.16	33.4	6.0	0.6	26	0.1	2.6	0.1	47	0.32	0.045	11
L0800N - 4950E	Soil	0.4	18.6	23.7	194	1.0	27.3	6.9	549	2.12	60.6	8.9	0.9	22	0.2	2.1	0.1	43	0.31	0.049	25
L0800N - 5000E	Soil	0.4	15.6	22.8	287	0.6	23.7	6.2	524	2.12	237.8	9.0	0.5	29	1.2	3.5	0.2	39	0.38	0.076	10
L0850 - 0000S	Soil	68.2	7448.2	7919.3	>10000	>100	34.4	58.2	2036	8.06	2307.4	2304.7	76.1	405	105.7	258.1	13.5	20	2.86	0.262	373
L0850 - 0001B	Soil	2.2	20.9	2.8	43	0.3	20.8	8.9	377	2.18	4.0	5.6	0.7	34	0.1	0.2	<0.1	62	0.81	0.053	4
L0850N - 3850E	Soil	0.8	5.8	24.1	189	0.1	7.2	13.9	1844	4.37	10.8	4.0	2.5	16	0.5	1.1	<0.1	85	0.64	0.063	34
L0850N - 3900E	Soil	0.4	6.9	22.8	111	0.2	6.2	3.9	597	2.22	11.7	2.3	1.6	19	0.3	1.9	<0.1	45	0.79	0.082	37
L0850N - 3950E	Soil	0.3	14.2	8.2	78	0.2	24.0	8.1	564	2.36	17.2	3.0	1.6	22	0.2	4.7	0.1	56	0.49	0.038	15
L0850N - 4000E	Soil	0.3	13.2	5.8	53	0.3	24.6	6.1	367	2.05	15.9	2.3	1.3	17	0.1	2.2	<0.1	47	0.35	0.033	18
L0850N - 4050E	Soil	0.4	12.0	6.5	76	0.2	24.4	8.1	485	2.14	20.4	2.1	1.6	16	0.1	3.4	0.1	55	0.38	0.039	21
L0850N - 4100E	Soil	0.3	11.2	8.0	39	<0.1	29.5	9.9	612	1.97	12.6	3.1	1.5	20	<0.1	1.9	<0.1	45	0.31	0.041	16
L0850N - 4150E	Soil	0.5	12.2	7.4	168	0.1	24.4	7.8	588	2.47	17.9	1.5	0.5	14	0.2	1.4	0.1	59	0.43	0.071	10
L0850N - 4200E	Soil	0.4	7.4	5.7	74	<0.1	20.2	5.5	296	1.98	11.6	1.4	0.5	9	0.1	1.8	<0.1	44	0.15	0.049	10
L0850N - 4250E	Soil	0.4	15.3	6.6	74	0.2	24.8	6.7	487	2.38	14.8	0.8	0.8	12	0.1	1.6	0.1	52	0.36	0.066	24
L0850N - 4300E	Soil	0.4	8.3	4.7	50	0.1	16.0	4.7	265	2.00	11.3	0.9	0.2	11	0.1	1.0	<0.1	49	0.35	0.060	12
L0850N - 4350E	Soil	0.2	5.7	4.6	33	0.1	16.3	3.9	197	1.59	8.3	0.7	0.2	10	<0.1	1.4	<0.1	40	0.18	0.040	10
L0850N - 4400E	Soil	0.5	24.4	7.7	67	0.3	21.6	7.2	590	2.82	23.2	1.7	0.9	14	0.1	1.5	0.2	71	0.60	0.113	29
L0850N - 4450E	Soil	0.4	8.3	7.3	50	<0.1	22.7	5.6	294	2.27	22.6	4.5	0.2	10	0.1	1.3	0.1	47	0.16	0.049	10
L0850N - 4500E B	Soil	0.5	7.3	6.7	51	<0.1	21.3	5.3	324	2.32	15.3	9.2	0.1	13	<0.1	1.3	0.1	43	0.09	0.039	7
L0850N - 4500E C	Soil	0.4	9.0	8.7	41	<0.1	25.3	8.3	542	2.06	17.9	2.3	0.3	10	0.1	0.9	0.1	39	0.12	0.043	9
L0850N - 4550E	Soil	0.4	5.8	5.2	60	<0.1	13.4	4.0	340	2.06	11.7	0.6	<0.1	11	0.2	0.6	0.1	44	0.17	0.051	9
L0850N - 4600E	Soil	0.4	8.5	6.7	44	<0.1	19.1	5.5	417	1.91	27.1	0.9	0.7	23	0.1	0.9	<0.1	43	0.37	0.042	10
L0850N - 4650E	Soil	0.5	24.7	8.7	85	0.3	31.9	7.0	665	2.60	27.4	1.5	0.9	25	0.3	1.1	0.1	55	0.82	0.102	30
L0850N - 4700E	Soil	0.5	12.1	18.2	55	0.3	23.7	7.1	582	2.12	27.3	1.1	1.0	22	0.2	1.4	0.1	49	0.51	0.044	44



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Project: RANCH
 Report Date: October 22, 2013

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CERTIFICATE OF ANALYSIS

VAN13003993.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
				ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		
				1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
L0800N - 4600E C	Soil			24	0.41	122	0.025	1	1.60	0.007	0.07	0.1	0.05	2.2	<0.1	<0.05	4	<0.5	<0.2
L0800N - 4650E	Soil			25	0.42	276	0.024	1	1.12	0.010	0.06	<0.1	0.05	2.8	<0.1	<0.05	4	<0.5	<0.2
L0800N - 4710E	Soil			27	0.48	352	0.021	1	1.38	0.005	0.07	0.1	0.08	2.9	<0.1	<0.05	4	<0.5	<0.2
L0800N - 4750E	Soil			21	0.31	352	0.008	1	1.57	0.006	0.11	0.1	0.02	1.8	<0.1	<0.05	6	<0.5	<0.2
L0800N - 4800E	Soil			28	0.47	125	0.014	1	1.67	0.005	0.08	0.2	0.05	2.1	<0.1	<0.05	4	<0.5	<0.2
L0800N - 4850E	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.
L0800N - 4900E	Soil			23	0.41	229	0.021	<1	1.30	0.009	0.07	0.2	0.04	2.5	<0.1	<0.05	4	<0.5	<0.2
L0800N - 4950E	Soil			25	0.41	144	0.017	1	1.27	0.008	0.07	0.1	0.07	3.2	<0.1	<0.05	4	<0.5	<0.2
L0800N - 5000E	Soil			25	0.41	113	0.012	1	1.33	0.006	0.07	0.1	0.04	2.3	<0.1	<0.05	5	<0.5	<0.2
L0850 - 0000S	Soil			26	1.12	16	0.019	4	0.79	0.030	0.18	8.6	3.37	3.3	5.7	5.81	9	4.1	0.3
L0850 - 0001B	Soil			29	0.70	91	0.101	6	1.49	0.086	0.13	8.7	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
L0850N - 3850E	Soil			9	0.18	627	0.006	2	0.88	0.004	0.09	0.2	0.04	7.6	<0.1	<0.05	3	<0.5	<0.2
L0850N - 3900E	Soil			9	0.23	679	0.007	2	1.02	0.004	0.10	0.3	0.05	5.8	<0.1	<0.05	3	<0.5	<0.2
L0850N - 3950E	Soil			26	0.45	743	0.013	1	1.58	0.007	0.08	0.3	0.05	4.5	<0.1	<0.05	5	<0.5	<0.2
L0850N - 4000E	Soil			24	0.42	491	0.012	1	1.45	0.007	0.07	0.2	0.06	5.0	<0.1	<0.05	4	<0.5	<0.2
L0850N - 4050E	Soil			25	0.43	574	0.012	<1	1.64	0.007	0.08	0.2	0.06	5.3	0.1	<0.05	5	<0.5	<0.2
L0850N - 4100E	Soil			26	0.43	332	0.021	<1	1.24	0.008	0.06	0.1	0.04	3.6	<0.1	<0.05	4	<0.5	<0.2
L0850N - 4150E	Soil			29	0.41	440	0.009	1	1.73	0.007	0.09	0.2	0.02	2.5	<0.1	<0.05	7	<0.5	<0.2
L0850N - 4200E	Soil			24	0.34	213	0.012	1	1.49	0.006	0.06	0.2	0.03	1.9	<0.1	<0.05	6	<0.5	<0.2
L0850N - 4250E	Soil			26	0.51	434	0.012	1	1.83	0.006	0.12	0.2	0.03	3.7	<0.1	<0.05	7	<0.5	<0.2
L0850N - 4300E	Soil			19	0.34	412	0.011	1	1.33	0.007	0.06	0.1	0.03	1.2	<0.1	<0.05	6	<0.5	<0.2
L0850N - 4350E	Soil			19	0.33	240	0.011	<1	1.13	0.006	0.04	0.1	0.03	0.9	<0.1	<0.05	5	<0.5	<0.2
L0850N - 4400E	Soil			23	0.68	727	0.008	1	2.50	0.008	0.09	0.2	0.05	3.9	<0.1	<0.05	9	<0.5	<0.2
L0850N - 4450E	Soil			22	0.41	175	0.014	1	1.55	0.006	0.06	0.2	0.04	1.4	<0.1	<0.05	5	<0.5	<0.2
L0850N - 4500E B	Soil			21	0.37	124	0.013	1	1.46	0.005	0.05	0.1	0.04	1.0	<0.1	<0.05	5	<0.5	<0.2
L0850N - 4500E C	Soil			21	0.41	131	0.021	1	1.48	0.006	0.06	0.1	0.04	1.5	<0.1	<0.05	4	<0.5	<0.2
L0850N - 4550E	Soil			16	0.30	181	0.016	<1	1.41	0.007	0.05	0.1	0.02	0.7	<0.1	<0.05	6	<0.5	<0.2
L0850N - 4600E	Soil			18	0.33	197	0.038	<1	1.07	0.009	0.05	0.1	0.03	2.2	<0.1	<0.05	4	<0.5	<0.2
L0850N - 4650E	Soil			31	0.49	847	0.012	1	1.87	0.008	0.10	0.1	0.07	3.0	<0.1	<0.05	6	<0.5	<0.2
L0850N - 4700E	Soil			23	0.43	724	0.015	1	1.63	0.009	0.09	0.1	0.05	3.0	<0.1	<0.05	5	<0.5	<0.2

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Client: Mountainside Exploration Management
 4302 Dundas St.
 Burnaby BC V5C 1B3 CANADA

Project: RANCH
Report Date: October 22, 2013

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CERTIFICATE OF ANALYSIS

VAN13003993.1

Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	
			0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
L0850N - 4750E	Soil		0.4	12.5	18.5	77	1.1	26.0	8.1	658	2.20	27.6	1.9	1.5	19	0.2	1.5	0.1	48	0.40	0.036	39
L0850N - 4800E	Soil		0.4	8.8	9.8	59	0.2	26.1	6.6	454	1.94	16.9	1.0	0.3	13	0.2	0.7	0.1	40	0.18	0.044	13
L0850N - 4850E	Soil		0.4	14.5	8.3	61	0.3	23.4	6.2	421	2.10	10.2	0.8	1.1	16	0.4	0.8	0.1	42	0.39	0.044	19
L0850N - 4900E	Soil		0.3	10.1	9.9	64	<0.1	20.4	6.9	615	2.68	24.7	0.9	1.4	25	0.2	0.8	0.1	55	0.48	0.046	11
L0850N - 4950E	Soil		0.3	9.1	14.8	81	0.7	23.6	5.7	503	2.14	50.4	2.3	1.0	29	0.1	3.1	0.1	50	0.32	0.049	10
L0850N - 5000E	Soil		0.4	49.9	78.9	325	2.5	23.4	7.5	856	2.38	89.1	5.9	1.2	26	1.3	5.5	0.2	45	0.48	0.063	31
L0900N - 3800E	Soil		0.3	22.9	9.8	58	0.3	28.6	8.1	707	2.25	12.4	2.4	1.7	38	0.2	1.1	<0.1	55	0.59	0.036	86
L0900N - 3850E	Soil		0.4	14.9	14.2	92	0.1	22.5	7.9	677	2.67	22.4	1.6	1.9	31	0.2	1.9	<0.1	64	0.57	0.037	23
L0900N - 3900E	Soil		0.3	8.0	9.0	55	<0.1	21.4	5.6	409	2.12	13.4	0.6	1.1	17	0.2	2.6	<0.1	51	0.37	0.036	12
L0900N - 3950E	Soil		0.3	15.4	7.7	59	0.1	22.4	7.3	546	2.30	22.7	1.3	1.4	18	<0.1	4.2	<0.1	56	0.44	0.042	23
L0900N - 4000E B	Soil		0.5	13.2	8.6	197	0.2	23.2	8.8	1053	2.62	20.2	0.8	0.5	13	0.3	2.8	0.1	57	0.20	0.099	14
L0900N - 4000E C	Soil		0.4	13.1	8.7	174	0.2	21.1	9.0	1018	2.53	17.1	<0.5	0.6	14	0.2	2.7	0.1	56	0.21	0.082	14
L0900N - 4050E	Soil		0.5	9.8	7.0	86	0.1	16.2	5.9	498	2.41	20.1	<0.5	0.1	9	0.4	3.7	0.1	51	0.17	0.060	9
L0900N - 4100E	Soil		0.5	16.1	7.8	137	0.2	29.1	8.1	920	2.71	17.7	<0.5	1.2	18	0.3	1.8	0.1	62	0.52	0.078	43
L0900N - 4150E	Soil		0.5	7.2	6.0	75	0.1	19.2	5.1	314	2.22	21.4	10.8	0.2	9	0.1	1.6	0.1	48	0.13	0.049	10
L0900N - 4200E	Soil		0.4	7.5	4.6	55	0.1	17.3	4.6	236	2.04	12.9	0.8	0.1	10	0.1	2.6	<0.1	45	0.17	0.043	7
L0900N - 4250E	Soil		0.3	12.0	7.2	51	0.1	21.4	6.3	441	2.32	19.9	1.6	0.6	11	<0.1	1.6	<0.1	55	0.28	0.039	19
L0900N - 4300E	Soil		0.3	8.4	6.6	64	0.1	12.0	7.0	425	2.60	12.6	1.8	0.6	9	<0.1	0.8	0.1	58	0.32	0.051	16
L0900N - 4350E	Soil		0.2	20.7	6.9	67	0.2	6.6	7.6	512	2.22	9.0	0.9	0.7	11	0.1	0.4	0.1	51	0.55	0.084	19
L0900N - 4400E	Soil		0.3	11.2	7.9	75	0.3	13.2	7.3	483	2.33	13.3	1.3	0.7	10	0.2	1.0	0.1	58	0.30	0.038	17
L0900N - 4450E	Soil		0.3	6.7	5.6	47	<0.1	17.7	4.3	254	1.95	13.7	0.5	0.3	13	<0.1	1.2	<0.1	46	0.19	0.032	9
L0900N - 4500E	Soil		0.5	10.9	7.9	65	0.2	20.2	6.3	400	2.53	14.7	0.6	0.3	25	0.2	0.6	0.1	65	0.61	0.080	15
L0900N - 4550E	Soil		0.3	8.5	8.4	36	<0.1	19.9	6.8	477	2.10	19.6	<0.5	0.5	17	<0.1	0.9	<0.1	44	0.28	0.041	10
L0900N - 4600E	Soil		0.2	8.7	7.8	45	<0.1	21.0	7.0	479	2.08	16.5	1.0	1.5	22	0.1	0.9	<0.1	43	0.40	0.038	12
L0900N - 4650E	Soil		0.4	18.4	7.5	53	0.2	20.6	5.9	489	2.27	18.8	1.0	0.7	22	0.3	1.0	0.1	49	0.75	0.064	25
L0900N - 4700E	Soil		0.9	10.9	13.7	132	0.2	23.8	6.0	621	2.71	17.6	<0.5	0.3	16	0.3	0.7	0.1	48	0.38	0.093	12
L0900N - 4750E	Soil		0.8	15.4	11.5	150	0.3	24.4	8.2	855	3.03	33.0	1.3	0.7	22	0.5	1.2	0.2	57	0.62	0.080	16
L0900N - 4800E	Soil		0.3	11.3	10.2	46	<0.1	29.2	7.4	451	1.96	16.8	1.3	0.6	17	<0.1	0.9	0.1	40	0.21	0.034	9
L0900N - 4850E	Soil		0.4	8.4	9.2	62	0.2	23.0	6.6	470	2.02	16.0	1.2	0.2	19	0.2	1.5	0.1	42	0.22	0.051	9
L0900N - 4900E	Soil		0.4	8.3	9.3	63	0.2	23.0	6.6	479	2.04	15.9	2.4	0.2	18	0.2	1.4	0.1	42	0.23	0.051	9

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Project: RANCH
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CERTIFICATE OF ANALYSIS

VAN13003993.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
				ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		
				1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
L0850N - 4750E	Soil			26	0.47	409	0.020	1	1.61	0.008	0.10	0.1	0.09	4.2	<0.1	<0.05	5	<0.5	<0.2
L0850N - 4800E	Soil			25	0.40	160	0.014	1	1.40	0.006	0.06	<0.1	0.06	1.6	<0.1	<0.05	4	<0.5	<0.2
L0850N - 4850E	Soil			23	0.44	263	0.009	<1	1.62	0.006	0.09	0.1	0.04	3.1	0.1	<0.05	5	<0.5	<0.2
L0850N - 4900E	Soil			20	0.52	363	0.007	<1	1.74	0.007	0.09	<0.1	0.02	3.6	0.1	<0.05	6	<0.5	<0.2
L0850N - 4950E	Soil			23	0.42	213	0.021	<1	1.34	0.009	0.06	0.2	0.05	3.2	<0.1	<0.05	4	<0.5	<0.2
L0850N - 5000E	Soil			24	0.42	207	0.007	<1	1.63	0.007	0.09	0.1	0.09	4.0	0.1	<0.05	5	<0.5	<0.2
L0900N - 3800E	Soil			29	0.56	654	0.014	2	1.57	0.009	0.11	<0.1	0.07	5.4	<0.1	<0.05	5	<0.5	<0.2
L0900N - 3850E	Soil			23	0.59	780	0.015	2	1.54	0.008	0.11	0.2	0.04	5.0	<0.1	<0.05	5	<0.5	<0.2
L0900N - 3900E	Soil			21	0.44	377	0.018	1	1.23	0.008	0.06	0.2	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
L0900N - 3950E	Soil			23	0.45	609	0.012	1	1.52	0.012	0.09	0.3	0.05	5.7	<0.1	<0.05	5	<0.5	<0.2
L0900N - 4000E B	Soil			26	0.41	388	0.009	<1	2.00	0.006	0.10	0.2	0.03	2.4	<0.1	<0.05	8	<0.5	<0.2
L0900N - 4000E C	Soil			24	0.37	392	0.010	<1	1.78	0.006	0.09	0.2	0.03	3.0	<0.1	<0.05	7	<0.5	<0.2
L0900N - 4050E	Soil			21	0.28	233	0.008	<1	1.34	0.006	0.06	0.2	0.03	0.8	<0.1	<0.05	6	<0.5	<0.2
L0900N - 4100E	Soil			31	0.53	657	0.007	1	2.76	0.007	0.10	0.2	0.03	4.8	<0.1	<0.05	9	<0.5	<0.2
L0900N - 4150E	Soil			23	0.37	198	0.011	<1	1.68	0.005	0.07	0.2	0.03	1.4	<0.1	<0.05	7	<0.5	<0.2
L0900N - 4200E	Soil			21	0.35	237	0.011	<1	1.25	0.006	0.07	0.2	0.03	1.0	<0.1	<0.05	5	<0.5	<0.2
L0900N - 4250E	Soil			22	0.55	388	0.016	<1	1.66	0.004	0.08	0.1	0.03	3.2	<0.1	<0.05	6	<0.5	<0.2
L0900N - 4300E	Soil			13	0.67	446	0.017	<1	1.43	0.006	0.08	<0.1	0.02	2.9	<0.1	<0.05	7	<0.5	<0.2
L0900N - 4350E	Soil			8	0.83	1006	0.004	<1	2.02	0.005	0.14	<0.1	0.02	2.8	0.1	<0.05	8	<0.5	<0.2
L0900N - 4400E	Soil			14	0.73	428	0.012	<1	1.69	0.007	0.08	<0.1	0.03	2.6	<0.1	<0.05	7	<0.5	<0.2
L0900N - 4450E	Soil			18	0.36	202	0.020	<1	1.17	0.007	0.05	0.1	0.05	1.7	<0.1	<0.05	5	<0.5	<0.2
L0900N - 4500E	Soil			19	0.51	328	0.028	1	2.41	0.010	0.12	0.2	0.04	2.9	<0.1	<0.05	9	<0.5	<0.2
L0900N - 4550E	Soil			19	0.37	177	0.030	<1	1.22	0.008	0.05	0.1	0.05	2.0	<0.1	<0.05	4	<0.5	<0.2
L0900N - 4600E	Soil			20	0.41	362	0.041	<1	1.20	0.014	0.06	0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
L0900N - 4650E	Soil			22	0.48	469	0.021	1	1.48	0.007	0.08	0.1	0.05	2.7	<0.1	<0.05	5	<0.5	<0.2
L0900N - 4700E	Soil			26	0.45	417	0.011	<1	1.62	0.006	0.09	0.1	0.03	1.2	<0.1	<0.05	7	<0.5	<0.2
L0900N - 4750E	Soil			26	0.54	589	0.020	1	1.81	0.006	0.11	0.2	0.06	2.8	<0.1	<0.05	7	<0.5	<0.2
L0900N - 4800E	Soil			27	0.45	161	0.015	<1	1.41	0.008	0.06	0.1	0.05	2.2	<0.1	<0.05	4	<0.5	<0.2
L0900N - 4850E	Soil			22	0.41	138	0.014	1	1.32	0.007	0.05	0.2	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2
L0900N - 4900E	Soil			23	0.41	137	0.013	1	1.27	0.006	0.05	0.1	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2

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Method Analyte	Unit	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L0900N - 4950E	Soil	0.3	11.0	12.5	85	<0.1	11.7	12.2	1497	3.36	51.3	9.5	2.0	20	0.2	1.0	0.1	66	0.63	0.036	11
L0900N - 5000E	Soil	0.3	20.1	13.2	101	1.6	31.1	5.6	354	2.01	81.2	1.9	1.3	27	0.1	1.9	0.1	42	0.34	0.026	12
L0950 - 0000S	Soil	65.9	7393.2	8156.0	>10000	>100	35.1	56.8	2047	7.85	2312.3	2158.6	78.3	407	106.4	264.3	14.0	20	2.87	0.242	362
L0950 - 0001B	Soil	2.4	21.4	2.4	43	0.2	21.9	8.8	392	2.27	3.8	3.9	0.6	33	0.1	0.2	<0.1	62	0.79	0.052	4
L0950N - 3800E	Soil	0.4	10.2	13.1	82	0.2	15.0	6.4	680	2.57	12.1	2.7	0.9	37	0.3	1.7	<0.1	63	0.53	0.063	17
L0950N - 3850E	Soil	0.3	10.8	10.6	62	0.2	23.6	7.8	617	2.01	14.3	2.8	1.2	32	0.2	1.7	<0.1	51	0.53	0.053	11
L0950N - 3900E	Soil	0.6	6.9	8.2	69	0.1	14.0	5.0	425	2.32	14.7	1.4	0.3	10	0.1	2.2	0.1	50	0.11	0.039	8
L0950N - 3950E	Soil	0.5	9.5	7.2	82	0.1	15.3	5.7	591	2.76	26.8	1.4	0.2	13	0.3	3.7	0.1	57	0.26	0.066	17
L0950N - 4000E B	Soil	0.5	7.4	8.2	56	0.1	20.0	5.7	419	2.42	21.8	1.7	0.2	9	0.4	4.5	<0.1	48	0.22	0.060	11
L0950N - 4000E C	Soil	0.2	24.4	13.4	108	<0.1	12.9	12.8	1948	3.23	23.8	1.0	1.6	14	0.4	1.7	0.1	77	0.61	0.100	13
L0950N - 4050E	Soil	0.4	11.5	7.4	80	<0.1	21.6	7.0	727	2.68	22.6	11.5	0.6	12	0.2	2.1	0.1	57	0.35	0.080	18
L0950N - 4100E	Soil	0.4	8.8	6.0	60	<0.1	20.1	5.9	462	2.12	18.3	2.4	0.2	12	0.2	2.9	0.1	46	0.23	0.073	12
L0950N - 4150E	Soil	0.3	9.5	6.0	53	<0.1	22.8	6.3	371	2.09	20.0	0.7	0.4	12	<0.1	1.6	<0.1	47	0.21	0.049	11
L0950N - 4200E	Soil	0.4	8.7	6.1	48	<0.1	22.9	5.7	318	2.02	13.8	2.1	0.4	11	0.1	2.2	<0.1	45	0.20	0.043	10
L0950N - 4250E	Soil	0.4	6.9	5.1	51	<0.1	19.7	5.3	281	2.11	12.8	3.0	0.4	10	0.2	2.3	<0.1	46	0.17	0.051	8
L0950N - 4300E	Soil	0.4	10.6	6.9	53	0.1	20.7	6.2	384	2.28	24.0	<0.5	0.2	10	0.2	1.7	<0.1	47	0.15	0.049	11
L0950N - 4350E	Soil	0.4	22.2	9.5	128	0.1	7.1	13.4	1165	4.08	21.2	<0.5	0.3	10	0.2	0.7	0.2	93	0.32	0.075	10
L0950N - 4400E	Soil	0.4	9.9	6.6	48	0.2	17.9	5.3	395	2.19	20.5	1.2	0.2	11	0.1	1.4	0.1	52	0.14	0.050	10
L0950N - 4450E	Soil	0.4	16.1	7.7	53	0.2	27.7	7.0	497	2.40	15.4	2.2	0.7	16	0.2	1.6	<0.1	50	0.35	0.068	15
L0950N - 4500E	Soil	0.5	18.7	9.2	97	0.3	21.5	9.3	860	3.02	20.4	1.0	0.8	28	0.3	0.9	0.1	65	1.07	0.085	16
L0950N - 4550E	Soil	0.3	16.2	7.6	45	0.2	21.8	6.8	502	2.21	29.4	1.6	1.3	22	<0.1	1.2	<0.1	55	0.42	0.029	25
L0950N - 4600E	Soil	0.3	11.8	7.7	53	0.2	18.7	7.3	483	2.38	13.1	1.8	1.3	17	<0.1	0.7	<0.1	53	0.46	0.029	16
L0950N - 4650E	Soil	0.3	12.9	7.6	46	0.1	28.3	7.7	522	2.17	18.3	1.6	1.5	16	0.1	1.2	<0.1	44	0.35	0.027	36
L0950N - 4700E	Soil	0.4	11.1	10.0	64	0.1	24.5	7.9	535	2.67	15.0	0.8	1.3	20	<0.1	1.0	0.1	58	0.45	0.031	20
L0950N - 4750E	Soil	0.4	10.0	11.4	53	0.3	20.4	5.9	471	2.05	27.1	3.0	1.4	21	0.1	1.5	<0.1	48	0.35	0.026	28
L0950N - 4800E	Soil	0.3	10.6	9.7	50	0.1	22.3	6.2	504	1.98	24.7	0.7	1.6	21	<0.1	0.9	<0.1	46	0.48	0.043	14
L0950N - 4850E	Soil	0.4	27.2	9.6	95	0.3	28.8	8.5	665	2.81	28.9	1.0	1.5	32	0.4	0.7	0.1	55	0.76	0.080	40
L0950N - 4897E	Soil	0.4	8.4	7.9	48	<0.1	22.9	5.2	312	2.06	13.2	0.8	0.4	11	0.1	0.7	0.1	44	0.14	0.037	9
L0950N - 4950E	Soil	0.6	8.5	7.4	67	0.2	19.3	5.4	330	2.57	23.8	1.7	0.6	12	0.2	0.8	0.2	51	0.14	0.058	10
L0950N - 5000E	Soil	0.4	8.9	12.0	65	0.4	29.2	7.8	488	2.21	84.7	1.7	0.6	14	0.2	1.7	0.1	40	0.15	0.036	8

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.



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Project: RANCH
Report Date: October 22, 2013

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Part: 2 of 2

CERTIFICATE OF ANALYSIS

VAN13003993.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
				ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		
				1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
L0900N - 4950E	Soil			11	0.46	232	0.004	1	1.47	0.006	0.04	<0.1	<0.01	4.7	<0.1	<0.05	6	<0.5	<0.2
L0900N - 5000E	Soil			28	0.46	327	0.013	1	1.42	0.009	0.06	0.1	0.11	3.8	<0.1	<0.05	4	<0.5	<0.2
L0950 - 0000S	Soil			25	1.13	15	0.018	4	0.72	0.028	0.16	8.4	3.23	3.4	5.8	5.64	9	4.3	0.3
L0950 - 0001B	Soil			29	0.72	93	0.101	5	1.50	0.080	0.12	9.1	0.01	3.9	<0.1	<0.05	5	<0.5	<0.2
L0950N - 3800E	Soil			16	0.43	415	0.019	1	1.36	0.009	0.07	0.2	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2
L0950N - 3850E	Soil			24	0.46	473	0.016	2	1.19	0.008	0.08	0.1	0.05	3.4	<0.1	<0.05	4	<0.5	<0.2
L0950N - 3900E	Soil			17	0.38	217	0.012	1	1.47	0.006	0.06	0.2	0.02	1.6	<0.1	<0.05	7	<0.5	<0.2
L0950N - 3950E	Soil			18	0.41	300	0.011	1	1.61	0.006	0.06	0.3	0.03	1.7	<0.1	<0.05	8	<0.5	<0.2
L0950N - 4000E B	Soil			20	0.46	240	0.009	<1	1.50	0.005	0.06	0.3	0.03	1.3	<0.1	<0.05	6	<0.5	<0.2
L0950N - 4000E C	Soil			13	1.91	250	0.004	1	2.44	0.005	0.07	<0.1	0.02	4.3	<0.1	<0.05	13	<0.5	<0.2
L0950N - 4050E	Soil			23	0.62	284	0.008	1	1.99	0.006	0.10	0.2	0.03	2.7	<0.1	<0.05	8	<0.5	<0.2
L0950N - 4100E	Soil			22	0.40	236	0.011	<1	1.53	0.006	0.08	0.2	0.03	1.3	<0.1	<0.05	6	<0.5	<0.2
L0950N - 4150E	Soil			23	0.45	221	0.011	<1	1.41	0.005	0.09	0.1	0.02	1.9	<0.1	<0.05	6	<0.5	<0.2
L0950N - 4200E	Soil			23	0.43	171	0.012	1	1.35	0.006	0.06	0.2	0.03	1.7	<0.1	<0.05	5	<0.5	<0.2
L0950N - 4250E	Soil			20	0.38	141	0.019	<1	1.19	0.006	0.06	0.2	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
L0950N - 4300E	Soil			21	0.47	154	0.011	<1	1.44	0.006	0.07	0.2	0.04	1.4	<0.1	<0.05	6	<0.5	<0.2
L0950N - 4350E	Soil			8	1.57	109	0.018	2	2.06	0.008	0.07	0.1	0.02	2.5	<0.1	<0.05	13	<0.5	<0.2
L0950N - 4400E	Soil			19	0.43	137	0.012	<1	1.52	0.004	0.05	0.2	0.04	1.1	<0.1	<0.05	7	<0.5	<0.2
L0950N - 4450E	Soil			27	0.53	287	0.011	1	1.82	0.007	0.08	0.2	0.06	2.6	<0.1	<0.05	6	<0.5	<0.2
L0950N - 4500E	Soil			21	1.07	667	0.031	2	3.18	0.009	0.14	0.2	0.03	4.0	0.2	<0.05	11	<0.5	<0.2
L0950N - 4550E	Soil			21	0.46	409	0.036	1	1.50	0.009	0.08	0.1	0.16	3.8	<0.1	<0.05	4	<0.5	<0.2
L0950N - 4600E	Soil			18	0.61	395	0.031	1	1.46	0.010	0.08	0.1	0.03	3.4	<0.1	<0.05	5	<0.5	<0.2
L0950N - 4650E	Soil			26	0.47	403	0.021	1	1.37	0.007	0.08	0.1	0.04	3.0	<0.1	<0.05	4	<0.5	<0.2
L0950N - 4700E	Soil			24	0.63	425	0.039	1	1.77	0.009	0.07	0.2	0.03	3.0	<0.1	<0.05	6	<0.5	<0.2
L0950N - 4750E	Soil			20	0.40	619	0.022	<1	1.28	0.009	0.06	0.2	0.09	3.1	<0.1	<0.05	4	<0.5	<0.2
L0950N - 4800E	Soil			20	0.44	679	0.011	<1	1.55	0.010	0.07	0.1	0.05	2.9	0.1	<0.05	5	<0.5	<0.2
L0950N - 4850E	Soil			30	0.65	354	0.011	1	2.53	0.009	0.13	0.1	0.05	5.1	0.1	<0.05	7	<0.5	<0.2
L0950N - 4897E	Soil			21	0.42	104	0.014	1	1.59	0.006	0.05	0.1	0.04	1.6	<0.1	<0.05	5	<0.5	<0.2
L0950N - 4950E	Soil			21	0.43	149	0.008	1	2.28	0.006	0.06	0.2	0.04	1.8	<0.1	<0.05	8	<0.5	<0.2
L0950N - 5000E	Soil			27	0.43	151	0.011	<1	1.55	0.006	0.05	<0.1	0.05	2.0	<0.1	<0.05	5	<0.5	<0.2

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.

CERTIFICATE OF ANALYSIS

VAN13003993.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
L1000N - 3800E	Soil	0.3	9.0	7.6	62	0.1	24.7	5.8	339	2.01	7.4	<0.5	0.9	17	0.1	0.9	<0.1	44	0.25	0.038	10
L1000N - 3850E	Soil	0.3	23.5	10.6	59	0.4	23.0	7.8	623	2.27	20.9	2.5	1.4	30	0.1	1.7	<0.1	62	0.57	0.052	34
L1000N - 3900E	Soil	0.4	7.5	8.7	55	0.1	19.1	6.6	482	2.41	13.9	1.0	0.2	13	0.2	2.1	<0.1	57	0.25	0.053	8
L1000N - 3950E	Soil	0.4	11.5	8.5	58	0.1	15.0	8.3	912	2.36	23.3	0.6	0.3	13	0.2	2.9	<0.1	53	0.41	0.077	13
L1000N - 4000E	Soil	0.3	13.0	7.0	37	<0.1	19.5	7.0	542	1.96	23.8	1.7	1.2	13	<0.1	5.9	<0.1	50	0.32	0.043	25
L1000N - 4050E	Soil	0.4	24.9	8.3	81	0.3	22.0	11.7	936	3.04	29.3	2.7	1.3	19	0.3	1.2	0.1	68	0.75	0.116	31
L1000N - 4100E	Soil	0.4	11.2	7.1	68	<0.1	25.0	6.7	535	2.28	20.9	0.8	0.8	12	0.2	2.9	0.1	49	0.28	0.048	11
L1000N - 4150E	Soil	0.3	11.8	6.1	45	<0.1	23.9	6.4	447	2.04	21.9	<0.5	0.8	15	0.2	2.0	<0.1	51	0.35	0.051	11
L1000N - 4200E	Soil	0.7	10.7	7.4	51	<0.1	28.6	7.2	348	2.51	20.0	0.9	0.5	10	0.2	1.8	0.1	46	0.11	0.061	9
L1000N - 4250E	Soil	0.4	8.6	7.3	50	<0.1	21.3	6.8	443	2.64	16.7	1.3	0.4	10	<0.1	2.2	0.1	56	0.16	0.041	10
L1000N - 4300E	Soil	0.4	7.2	5.8	52	0.1	17.4	4.5	353	2.11	12.8	1.1	0.2	12	0.2	2.2	0.1	47	0.18	0.039	10
L1000N - 4350E	Soil	0.3	7.7	6.4	65	0.1	14.4	5.8	430	2.34	13.5	<0.5	0.5	15	0.2	1.3	0.1	53	0.20	0.046	10
L1000N - 4400E	Soil	0.5	13.4	9.7	56	0.1	12.0	8.7	569	2.93	24.8	1.1	0.8	31	0.2	0.9	0.1	57	0.47	0.080	18
L1000N - 4450E	Soil	0.4	10.9	9.1	59	<0.1	21.0	8.0	539	2.87	22.3	1.3	1.0	20	0.1	1.4	0.1	63	0.47	0.076	15
L1000N - 4507E	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.
L1000N - 4550E	Soil	0.4	25.2	6.3	102	0.3	8.7	8.5	951	2.99	9.2	0.9	0.7	23	0.2	0.7	0.1	59	0.88	0.107	37
L1000N - 4600E	Soil	0.5	8.8	8.2	55	<0.1	14.3	7.5	462	2.69	18.8	<0.5	0.8	18	0.1	1.1	<0.1	52	0.23	0.043	9
L1000N - 4650E	Soil	0.4	11.0	9.9	60	0.2	10.4	3.5	392	1.76	14.5	1.5	0.6	15	0.2	0.5	0.1	34	0.58	0.070	18
L1000N - 4700E	Soil	0.4	10.9	8.0	79	0.2	19.9	5.7	414	2.29	21.4	1.3	0.9	17	<0.1	1.2	0.1	53	0.45	0.054	32
L1000N - 4750E	Soil	0.5	8.8	9.9	45	0.1	21.7	6.9	561	2.11	25.1	1.2	0.5	14	0.2	1.3	<0.1	44	0.19	0.047	14
L1000N - 4800E	Soil	0.3	9.0	10.7	43	<0.1	21.2	6.7	544	1.85	35.1	1.4	1.3	15	0.1	1.5	<0.1	42	0.31	0.034	13
L1000N - 4850E	Soil	0.5	14.4	9.4	83	0.2	18.4	5.9	419	2.52	20.3	<0.5	0.7	23	0.2	1.1	0.2	53	0.61	0.092	19
L1000N - 4897E	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.
L1000N - 4950E	Soil	0.3	22.7	14.5	50	0.2	13.3	4.1	313	1.94	12.9	0.7	0.3	13	0.5	0.9	0.2	44	0.14	0.046	7
L1000N - 5002E	Soil	0.5	10.7	8.8	76	<0.1	13.7	4.7	358	2.32	18.3	<0.5	0.2	20	0.4	0.9	0.2	49	0.18	0.052	14
0693N - 4150E	Soil	0.2	10.8	7.8	96	0.1	37.3	10.9	784	2.52	9.9	1.5	1.7	44	0.2	1.6	0.1	59	0.54	0.043	13
0750N - 5007E	Soil	0.6	30.7	30.8	362	0.7	24.4	10.9	856	3.71	89.4	3.7	0.6	24	0.4	3.0	0.3	88	0.57	0.067	8
L800N - 4200E	Soil	0.3	5.5	4.5	75	<0.1	19.9	4.7	287	2.04	13.5	0.6	0.2	9	<0.1	2.3	<0.1	46	0.10	0.048	10
0806N - 4850E	Soil	0.3	10.8	8.2	60	<0.1	7.4	3.9	339	1.76	5.3	0.6	0.7	11	<0.1	0.4	0.4	33	0.33	0.072	7
1003N - 4507E	Soil	0.3	13.8	7.7	51	<0.1	21.7	6.9	510	2.28	20.0	1.5	0.6	16	0.2	1.4	<0.1	50	0.24	0.040	15

CERTIFICATE OF ANALYSIS

VAN13003993.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
				ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	ppm		
				1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
L1000N - 3800E	Soil			24	0.48	310	0.009	<1	1.60	0.008	0.06	0.1	0.03	2.5	<0.1	<0.05	5	<0.5	<0.2
L1000N - 3850E	Soil			23	0.54	638	0.011	1	1.72	0.007	0.08	0.1	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
L1000N - 3900E	Soil			20	0.52	239	0.021	1	1.68	0.006	0.07	0.2	0.03	1.5	<0.1	<0.05	6	<0.5	<0.2
L1000N - 3950E	Soil			15	0.65	225	0.025	1	1.62	0.005	0.13	0.3	0.03	1.8	<0.1	<0.05	6	<0.5	<0.2
L1000N - 4000E	Soil			19	0.38	158	0.018	2	1.07	0.006	0.07	0.3	0.05	3.7	<0.1	<0.05	4	<0.5	<0.2
L1000N - 4050E	Soil			22	1.00	472	0.015	2	2.65	0.007	0.17	0.2	0.03	5.0	0.1	<0.05	10	<0.5	<0.2
L1000N - 4100E	Soil			24	0.46	266	0.014	2	1.47	0.006	0.08	0.2	0.04	2.8	<0.1	<0.05	6	<0.5	<0.2
L1000N - 4150E	Soil			22	0.47	356	0.015	1	1.38	0.006	0.08	0.2	0.03	2.8	<0.1	<0.05	5	<0.5	<0.2
L1000N - 4200E	Soil			28	0.46	142	0.013	1	1.80	0.005	0.07	0.2	0.04	1.9	<0.1	<0.05	6	<0.5	<0.2
L1000N - 4250E	Soil			21	0.50	129	0.027	2	1.41	0.007	0.06	0.2	0.04	2.2	<0.1	<0.05	6	<0.5	<0.2
L1000N - 4300E	Soil			19	0.34	202	0.016	<1	1.11	0.005	0.07	0.2	0.04	1.6	<0.1	<0.05	6	<0.5	<0.2
L1000N - 4350E	Soil			16	0.50	145	0.025	1	1.14	0.006	0.08	0.1	0.10	1.8	<0.1	<0.05	5	<0.5	<0.2
L1000N - 4400E	Soil			12	0.67	447	0.012	2	2.51	0.012	0.14	0.2	0.02	2.8	0.2	<0.05	7	<0.5	<0.2
L1000N - 4450E	Soil			19	0.69	296	0.039	2	2.20	0.009	0.09	0.2	0.05	3.5	0.1	<0.05	7	<0.5	<0.2
L1000N - 4507E	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.
L1000N - 4550E	Soil			11	0.98	601	0.050	2	2.01	0.006	0.12	<0.1	0.04	3.1	<0.1	<0.05	7	<0.5	<0.2
L1000N - 4600E	Soil			14	0.50	219	0.018	1	1.52	0.009	0.06	0.1	0.06	2.3	<0.1	<0.05	5	<0.5	<0.2
L1000N - 4650E	Soil			12	0.23	809	0.005	<1	1.24	0.008	0.08	0.1	0.02	1.1	<0.1	<0.05	5	<0.5	<0.2
L1000N - 4700E	Soil			21	0.44	630	0.025	1	1.38	0.008	0.08	0.1	0.05	3.1	<0.1	<0.05	5	<0.5	<0.2
L1000N - 4750E	Soil			19	0.39	167	0.026	1	1.42	0.008	0.05	0.1	0.05	2.0	<0.1	<0.05	4	<0.5	<0.2
L1000N - 4800E	Soil			19	0.37	210	0.022	1	1.16	0.008	0.05	0.2	0.07	2.3	<0.1	<0.05	4	<0.5	<0.2
L1000N - 4850E	Soil			21	0.50	303	0.014	<1	1.81	0.008	0.08	0.2	0.04	2.3	0.1	<0.05	8	<0.5	<0.2
L1000N - 4897E	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.
L1000N - 4950E	Soil			16	0.39	102	0.009	<1	1.65	0.007	0.04	0.1	0.04	1.1	0.1	<0.05	7	<0.5	<0.2
L1000N - 5002E	Soil			17	0.40	161	0.014	<1	1.52	0.008	0.07	0.1	0.04	1.1	<0.1	<0.05	8	<0.5	<0.2
0693N - 4150E	Soil			38	0.65	812	0.011	2	1.77	0.008	0.12	0.1	0.08	5.9	<0.1	<0.05	5	<0.5	<0.2
0750N - 5007E	Soil			43	0.67	159	0.007	<1	1.63	0.005	0.07	<0.1	0.06	6.4	0.1	<0.05	7	<0.5	<0.2
L800N - 4200E	Soil			20	0.33	152	0.015	<1	1.24	0.006	0.04	0.2	0.03	1.5	<0.1	<0.05	5	<0.5	<0.2
0806N - 4850E	Soil			9	0.29	143	0.003	<1	1.07	0.004	0.10	<0.1	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2
1003N - 4507E	Soil			20	0.46	223	0.027	1	1.33	0.008	0.07	0.1	0.03	2.7	<0.1	<0.05	4	<0.5	<0.2



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 Burnaby BC V5C 1B3 CANADA

Project: RANCH
Report Date: October 22, 2013

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CERTIFICATE OF ANALYSIS

VAN13003993.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
0997N - 4900E Soil	0.4	17.4	9.3	77	0.1	23.0	6.9	646	2.70	33.0	1.1	1.1	61	0.2	0.7	0.2	51	0.62	0.094	18



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CERTIFICATE OF ANALYSIS

VAN13003993.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
0997N - 4900E Soil	21	0.65	338	0.010	1	2.65	0.012	0.09	0.1	0.03	2.6	0.1	<0.05	10	<0.5	<0.2



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Page: 1 of 2 **Part:** 1 of 2

QUALITY CONTROL REPORT

VAN13003993.1

Method	Analyte	Unit	MDL	1DX15 Mo ppm	1DX15 Cu ppm	1DX15 Pb ppm	1DX15 Zn ppm	1DX15 Ag ppm	1DX15 Ni ppm	1DX15 Co ppm	1DX15 Mn ppm	1DX15 Fe %	1DX15 As ppm	1DX15 Au ppb	1DX15 Th ppm	1DX15 Sr ppm	1DX15 Cd ppm	1DX15 Sb ppm	1DX15 Bi ppm	1DX15 V ppm	1DX15 Ca %	1DX15 P %	1DX15 La ppm
Pulp Duplicates				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L0650N - 4200E	Soil			0.3	7.5	7.4	36	<0.1	27.7	7.4	472	1.78	18.7	0.8	1.4	24	<0.1	1.9	<0.1	36	0.29	0.019	10
REP L0650N - 4200E	QC			0.3	7.5	7.2	35	<0.1	27.4	7.7	477	1.80	18.2	0.7	1.4	24	<0.1	1.8	<0.1	35	0.28	0.019	10
L0700N - 4900E	Soil			0.5	10.7	25.1	167	0.4	21.0	4.9	402	2.20	94.8	4.4	0.4	17	0.5	2.5	0.1	43	0.18	0.047	8
REP L0700N - 4900E	QC			0.4	10.3	24.5	170	0.4	22.5	4.8	413	2.25	97.8	1.2	0.4	17	0.5	2.7	0.1	44	0.19	0.048	8
L0800N - 4350E	Soil			0.3	6.0	5.1	56	<0.1	19.2	4.3	244	1.88	14.1	1.2	0.1	11	<0.1	2.6	<0.1	42	0.19	0.037	10
REP L0800N - 4350E	QC			0.3	5.9	4.9	56	<0.1	19.4	4.3	252	1.94	13.9	<0.5	0.1	11	<0.1	2.5	<0.1	42	0.19	0.038	9
L0850N - 4800E	Soil			0.4	8.8	9.8	59	0.2	26.1	6.6	454	1.94	16.9	1.0	0.3	13	0.2	0.7	0.1	40	0.18	0.044	13
REP L0850N - 4800E	QC			0.4	8.8	9.8	60	0.2	26.4	6.7	464	1.95	16.9	0.9	0.3	13	0.2	0.7	0.1	40	0.19	0.044	13
L0950N - 3950E	Soil			0.5	9.5	7.2	82	0.1	15.3	5.7	591	2.76	26.8	1.4	0.2	13	0.3	3.7	0.1	57	0.26	0.066	17
REP L0950N - 3950E	QC			0.5	9.7	7.3	82	0.1	15.6	5.7	592	2.78	26.5	1.1	0.2	13	0.3	3.5	0.1	58	0.27	0.067	18
L1000N - 4450E	Soil			0.4	10.9	9.1	59	<0.1	21.0	8.0	539	2.87	22.3	1.3	1.0	20	0.1	1.4	0.1	63	0.47	0.076	15
REP L1000N - 4450E	QC			0.4	10.6	9.0	58	<0.1	20.9	8.1	537	2.84	22.2	0.6	1.0	20	0.1	1.4	0.1	61	0.44	0.074	15
Reference Materials																							
STD DS10	Standard			14.8	152.8	153.7	372	2.2	75.4	13.3	944	2.76	45.3	154.3	7.2	67	2.1	9.7	12.0	45	1.03	0.071	17
STD DS10	Standard			14.7	134.6	153.0	337	1.9	75.3	13.1	866	2.70	39.1	84.0	6.1	62	2.1	7.7	9.9	39	1.02	0.070	16
STD DS10	Standard			14.5	130.2	150.4	322	1.8	74.3	12.8	812	2.58	36.9	86.8	6.2	51	1.9	7.5	9.5	44	0.99	0.067	15
STD DS10	Standard			14.4	130.7	150.9	328	2.0	74.7	13.2	855	2.71	37.8	79.7	5.7	60	2.1	7.3	9.7	44	1.01	0.067	15
STD DS10	Standard			15.1	134.6	152.5	341	1.9	74.3	13.2	860	2.70	38.1	78.5	6.0	65	2.1	7.4	9.9	45	1.06	0.067	16
STD DS10	Standard			14.6	130.1	150.2	327	1.9	71.3	12.9	840	2.65	37.9	91.7	6.2	64	2.0	7.2	9.5	44	1.00	0.068	16
STD OXC109	Standard			1.5	34.9	10.8	36	<0.1	70.2	18.9	434	2.81	1.1	216.8	1.4	138	<0.1	<0.1	<0.1	48	0.64	0.100	12
STD OXC109	Standard			1.6	32.7	9.2	39	<0.1	76.9	20.9	421	3.00	1.1	224.8	1.2	143	<0.1	<0.1	<0.1	48	0.73	0.106	12
STD OXC109	Standard			1.5	31.8	8.9	38	<0.1	75.4	20.0	414	2.86	0.6	217.0	1.2	130	<0.1	<0.1	<0.1	52	0.64	0.102	11
STD OXC109	Standard			1.5	32.0	8.9	39	<0.1	74.0	20.4	402	2.87	<0.5	200.7	1.1	134	<0.1	<0.1	<0.1	50	0.70	0.097	11
STD OXC109	Standard			1.4	31.2	9.2	40	<0.1	74.2	19.9	414	2.85	0.7	205.5	1.1	139	<0.1	<0.1	<0.1	51	0.73	0.102	11
STD OXC109	Standard			1.5	32.7	9.1	40	<0.1	76.3	21.1	421	2.95	0.6	216.1	1.2	139	<0.1	<0.1	<0.1	50	0.72	0.102	11
STD DS10 Expected				14.69	154.61	150.55	352.9	1.96	74.6	12.9	861	2.7188	43.7	91.9	7.5	67.1	2.48	9.51	11.65	43	1.0355	0.073	17.5
STD OXC109 Expected				201																			
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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.



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 4302 Dundas St.
 Burnaby BC V5C 1B3 CANADA

Project: RANCH
 Report Date: October 22, 2013

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Part: 2 of 2

QUALITY CONTROL REPORT

VAN13003993.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																	
L0650N - 4200E	Soil	26	0.44	312	0.027	1	1.12	0.017	0.05	0.1	0.04	3.0	<0.1	<0.05	4	<0.5	<0.2
REP L0650N - 4200E	QC	25	0.43	319	0.027	<1	1.06	0.010	0.05	0.1	0.04	2.8	<0.1	<0.05	4	<0.5	<0.2
L0700N - 4900E	Soil	23	0.39	145	0.008	2	1.56	0.006	0.06	0.1	0.04	1.8	<0.1	<0.05	5	<0.5	<0.2
REP L0700N - 4900E	QC	23	0.39	142	0.008	<1	1.54	0.006	0.06	0.1	0.03	1.8	<0.1	<0.05	6	<0.5	<0.2
L0800N - 4350E	Soil	20	0.34	192	0.016	1	1.08	0.006	0.06	0.2	0.02	1.0	<0.1	<0.05	4	<0.5	<0.2
REP L0800N - 4350E	QC	20	0.33	191	0.015	1	1.06	0.006	0.06	0.2	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2
L0850N - 4800E	Soil	25	0.40	160	0.014	1	1.40	0.006	0.06	<0.1	0.06	1.6	<0.1	<0.05	4	<0.5	<0.2
REP L0850N - 4800E	QC	25	0.41	160	0.013	1	1.43	0.006	0.06	<0.1	0.05	1.5	<0.1	<0.05	4	<0.5	<0.2
L0950N - 3950E	Soil	18	0.41	300	0.011	1	1.61	0.006	0.06	0.3	0.03	1.7	<0.1	<0.05	8	<0.5	<0.2
REP L0950N - 3950E	QC	18	0.42	303	0.011	<1	1.65	0.006	0.06	0.3	0.03	1.6	<0.1	<0.05	8	<0.5	<0.2
L1000N - 4450E	Soil	19	0.69	296	0.039	2	2.20	0.009	0.09	0.2	0.05	3.5	0.1	<0.05	7	<0.5	<0.2
REP L1000N - 4450E	QC	19	0.70	294	0.038	2	2.20	0.009	0.09	0.2	0.04	3.5	0.1	<0.05	7	<0.5	<0.2
Reference Materials																	
STD DS10	Standard	57	0.77	363	0.079	6	1.03	0.068	0.33	3.4	0.30	2.8	4.9	0.30	4	2.0	5.2
STD DS10	Standard	56	0.75	357	0.070	6	1.01	0.062	0.31	3.4	0.32	2.7	4.9	0.28	4	2.0	5.0
STD DS10	Standard	54	0.73	339	0.068	7	0.98	0.058	0.30	3.2	0.27	2.6	4.9	0.25	4	2.0	4.7
STD DS10	Standard	55	0.76	344	0.070	6	0.99	0.062	0.31	3.3	0.29	2.7	4.8	0.24	4	2.1	5.0
STD DS10	Standard	55	0.76	352	0.074	6	1.03	0.064	0.32	3.4	0.30	2.9	4.9	0.26	4	2.3	4.9
STD DS10	Standard	56	0.73	336	0.070	6	0.99	0.064	0.31	3.2	0.29	2.8	4.9	0.25	4	2.0	4.9
STD OXC109	Standard	58	1.31	53	0.366	1	1.41	0.629	0.40	0.1	<0.01	1.5	<0.1	<0.05	5	<0.5	<0.2
STD OXC109	Standard	62	1.51	57	0.393	1	1.58	0.712	0.44	0.2	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2
STD OXC109	Standard	61	1.50	56	0.377	1	1.52	0.665	0.39	0.2	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
STD OXC109	Standard	61	1.46	55	0.384	2	1.52	0.645	0.38	0.2	<0.01	0.8	<0.1	<0.05	6	<0.5	<0.2
STD OXC109	Standard	60	1.47	56	0.381	<1	1.56	0.647	0.40	0.2	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2
STD OXC109	Standard	62	1.49	57	0.383	1	1.55	0.698	0.43	0.2	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2
STD DS10 Expected		54.6	0.7651	349	0.0817		1.0259	0.0638	0.3245	3.34	0.289	2.8	4.79	0.2743	4.3	2.3	4.89
STD OXC109 Expected																	
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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 Burnaby BC V5C 1B3 CANADA

Project: RANCH
Report Date: October 22, 2013

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QUALITY CONTROL REPORT

VAN13003993.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	3	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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QUALITY CONTROL REPORT

VAN13003993.1

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



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Submitted By: Scott Gifford
Receiving Lab: Canada-Vancouver
Received: October 02, 2013
Report Date: October 24, 2013
Page: 1 of 7

CERTIFICATE OF ANALYSIS

VAN13003994.1

CLIENT JOB INFORMATION

Project: RANCH
Shipment ID:
P.O. Number
Number of Samples: 168

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.

Invoice To: Mountainside Exploration Management
4302 Dundas St.
Burnaby BC V5C 1B3
CANADA

CC: Bob Lane

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	163	Dry at 60C			VAN
SS80	163	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	163	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



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Project: RANCH
Report Date: October 24, 2013

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CERTIFICATE OF ANALYSIS

VAN13003994.1

Method Analyte	Unit	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
L1050 - 0000S	Soil	37.9	5242.5	>10000	9399	>100	11.8	11.9	538	3.42	48.2	573.1	3.8	51	57.4	131.2	1.7	58	1.05	0.084	11
L1050 - 0001B	Soil	2.3	23.4	3.5	42	0.2	21.9	8.9	377	2.32	4.6	2.0	0.9	40	<0.1	0.4	<0.1	61	0.82	0.058	4
L1050N - 3800E	Soil	0.6	10.0	11.5	54	<0.1	20.2	6.7	444	2.58	13.5	5.4	0.5	16	0.2	1.3	0.2	55	0.18	0.030	8
L1050N - 3850E	Soil	0.5	16.2	12.0	76	0.2	19.8	7.8	595	2.63	19.8	3.2	0.9	20	0.3	2.0	0.1	69	0.57	0.090	19
L1050N - 3900E	Soil	0.7	9.4	9.8	69	<0.1	20.0	6.3	443	2.69	23.2	<0.5	0.4	11	<0.1	2.7	0.1	56	0.13	0.075	11
L1050N - 3950E	Soil	0.4	9.5	10.1	52	<0.1	19.8	5.9	408	2.44	25.1	3.4	0.8	13	0.1	5.7	0.1	59	0.19	0.045	10
L1050N - 4007E	Soil	0.3	7.9	8.5	52	<0.1	18.5	6.8	480	2.40	21.2	<0.5	1.0	12	0.2	8.5	<0.1	53	0.16	0.048	10
L1050N - 4050E	Soil	0.4	10.0	8.4	53	<0.1	24.5	5.6	362	2.58	28.0	5.5	0.2	12	<0.1	3.8	<0.1	54	0.14	0.048	10
L1050N - 4100E	Soil	0.9	16.2	8.5	67	<0.1	24.2	7.8	627	2.71	45.6	<0.5	0.6	14	0.4	3.8	0.1	58	0.25	0.058	19
L1050N - 4150E B	Soil	0.5	8.4	7.3	47	<0.1	22.9	5.6	289	2.41	28.7	0.6	0.3	10	0.2	2.6	<0.1	47	0.09	0.058	9
L1050N - 4150E C	Soil	0.7	10.4	8.1	41	<0.1	27.3	6.6	324	2.37	27.0	<0.5	0.6	11	0.2	3.6	0.1	48	0.09	0.056	10
L1050N - 4200E	Soil	0.4	10.0	8.0	44	<0.1	24.7	7.1	368	2.41	22.8	<0.5	0.9	16	0.2	2.9	0.1	47	0.17	0.042	10
L1050N - 4250E	Soil	0.5	16.1	9.0	56	<0.1	27.1	7.5	611	2.58	25.9	1.1	1.3	19	<0.1	2.3	0.1	57	0.42	0.061	25
L1050N - 4300E	Soil	0.6	14.0	7.8	53	0.1	25.1	6.7	440	2.62	17.6	4.3	0.5	14	<0.1	2.4	0.1	55	0.20	0.060	17
L1050N - 4350E	Soil	0.3	8.7	7.9	48	0.1	20.5	6.0	397	2.35	20.2	<0.5	0.7	16	0.2	1.6	<0.1	54	0.20	0.038	11
L1050N - 4400E	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.
L1050N - 4450E	Soil	0.5	9.7	8.4	53	<0.1	19.4	6.0	405	2.53	20.7	<0.5	0.3	15	0.2	1.9	0.1	53	0.16	0.055	14
L1050N - 4500E	Soil	0.8	9.2	10.0	75	<0.1	17.0	6.3	534	2.78	16.5	<0.5	0.3	16	0.4	1.7	0.1	55	0.17	0.050	10
L1050N - 4550E	Soil	0.3	17.8	10.2	67	0.3	25.7	9.6	850	2.73	14.7	<0.5	2.0	35	0.2	1.3	0.1	55	0.59	0.040	43
L1050N - 4600E	Soil	0.7	49.1	12.7	110	0.9	14.1	6.5	680	2.28	33.5	1.9	0.7	60	0.5	1.6	0.2	39	2.10	0.238	86
L1050N - 4650E	Soil	0.4	14.2	11.2	89	0.2	10.6	6.4	580	2.62	30.6	<0.5	0.8	21	0.3	1.8	0.2	45	0.67	0.089	33
L1050N - 4700E	Soil	0.4	13.4	10.7	62	<0.1	21.2	6.2	510	2.42	33.7	<0.5	0.5	22	0.3	1.0	0.1	47	0.39	0.058	20
L1050N - 4750E	Soil	0.7	14.8	11.7	135	0.3	24.1	7.2	713	2.86	32.1	<0.5	0.5	21	0.3	1.4	0.2	53	0.34	0.105	19
L1050N - 4800E	Soil	0.4	16.3	9.8	134	0.1	15.1	6.5	660	2.72	22.8	<0.5	1.5	24	0.3	1.2	0.2	53	0.63	0.110	24
L1050N - 4850E	Soil	0.9	8.4	9.9	63	<0.1	11.2	3.4	344	2.31	69.5	0.6	<0.1	10	0.2	1.3	0.2	51	0.04	0.073	9
L1050N - 4900E	Soil	0.5	10.7	9.2	56	<0.1	19.3	4.5	324	2.63	69.6	<0.5	0.2	15	0.2	1.1	0.2	48	0.12	0.056	13
L1050N - 4950E	Soil	0.8	13.6	9.9	85	<0.1	13.7	4.7	509	2.74	25.5	<0.5	0.2	18	0.5	1.2	0.2	49	0.16	0.081	16
L1050N - 5000E	Soil	0.7	8.4	7.4	71	0.1	9.9	4.3	405	2.72	21.9	1.6	0.2	15	0.5	1.4	0.2	51	0.11	0.061	10
L1100N - 3800E	Soil	0.3	10.3	9.1	49	<0.1	18.8	5.4	453	1.96	11.2	1.9	0.6	18	0.2	1.0	<0.1	49	0.27	0.038	11
L1100N - 3850E	Soil	0.4	23.3	12.7	70	0.3	22.4	10.1	863	2.81	30.0	4.0	2.2	29	0.2	2.0	0.1	65	0.75	0.069	22

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CERTIFICATE OF ANALYSIS

VAN13003994.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
				ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		
				1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
L1050 - 0000S	Soil			19	0.71	87	0.102	4	1.02	0.060	0.45	11.5	1.23	3.5	3.2	1.48	10	3.2	0.4
L1050 - 0001B	Soil			28	0.72	93	0.127	6	1.55	0.091	0.13	9.3	0.03	5.6	<0.1	0.06	5	<0.5	<0.2
L1050N - 3800E	Soil			22	0.52	191	0.029	<1	1.73	0.006	0.08	0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
L1050N - 3850E	Soil			22	0.72	624	0.022	<1	2.27	0.007	0.13	0.1	0.05	4.3	<0.1	<0.05	9	<0.5	<0.2
L1050N - 3900E	Soil			19	0.59	231	0.020	<1	2.06	0.007	0.10	0.1	0.02	2.4	<0.1	<0.05	9	<0.5	<0.2
L1050N - 3950E	Soil			19	0.44	139	0.023	<1	1.36	0.008	0.08	0.3	0.02	2.8	<0.1	<0.05	6	0.9	<0.2
L1050N - 4007E	Soil			18	0.38	158	0.023	1	1.08	0.005	0.08	0.3	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
L1050N - 4050E	Soil			23	0.47	180	0.015	<1	1.54	0.006	0.07	0.1	0.06	2.0	<0.1	<0.05	7	<0.5	<0.2
L1050N - 4100E	Soil			22	0.57	310	0.012	<1	2.09	0.008	0.11	0.2	0.38	2.8	<0.1	<0.05	9	<0.5	<0.2
L1050N - 4150E B	Soil			22	0.42	122	0.018	<1	1.83	0.008	0.07	0.2	0.08	1.8	<0.1	<0.05	6	0.8	0.2
L1050N - 4150E C	Soil			24	0.45	127	0.024	<1	1.69	0.008	0.07	0.1	<0.01	2.4	<0.1	<0.05	6	<0.5	<0.2
L1050N - 4200E	Soil			22	0.43	138	0.028	<1	1.26	0.007	0.06	0.1	0.05	2.6	<0.1	<0.05	6	<0.5	<0.2
L1050N - 4250E	Soil			23	0.65	271	0.022	2	1.95	0.009	0.10	0.2	0.04	4.6	<0.1	<0.05	7	<0.5	<0.2
L1050N - 4300E	Soil			23	0.56	213	0.020	<1	1.73	0.007	0.08	0.1	0.04	2.6	<0.1	<0.05	8	<0.5	<0.2
L1050N - 4350E	Soil			20	0.53	161	0.027	<1	1.46	0.007	0.07	0.1	0.03	2.8	<0.1	<0.05	6	<0.5	<0.2
L1050N - 4400E	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.
L1050N - 4450E	Soil			19	0.54	165	0.021	1	1.77	0.007	0.06	0.1	0.04	1.8	<0.1	<0.05	6	<0.5	<0.2
L1050N - 4500E	Soil			19	0.54	163	0.036	<1	1.22	0.006	0.09	<0.1	0.01	1.6	<0.1	<0.05	6	<0.5	<0.2
L1050N - 4550E	Soil			26	0.66	782	0.017	<1	2.19	0.009	0.15	<0.1	0.05	7.0	<0.1	<0.05	7	<0.5	<0.2
L1050N - 4600E	Soil			14	0.52	961	0.020	3	1.93	0.007	0.06	0.2	0.13	1.6	<0.1	0.17	8	<0.5	<0.2
L1050N - 4650E	Soil			11	0.71	528	0.081	<1	1.80	0.006	0.17	0.2	0.04	3.6	<0.1	0.05	7	0.8	<0.2
L1050N - 4700E	Soil			21	0.52	457	0.016	<1	2.06	0.008	0.09	0.2	0.05	2.6	<0.1	<0.05	7	0.6	<0.2
L1050N - 4750E	Soil			26	0.63	305	0.009	<1	2.29	0.007	0.12	<0.1	0.03	2.4	<0.1	<0.05	9	1.5	<0.2
L1050N - 4800E	Soil			17	0.61	276	0.010	<1	2.22	0.007	0.16	0.1	0.02	3.3	0.1	0.07	8	<0.5	<0.2
L1050N - 4850E	Soil			16	0.24	131	0.011	<1	1.48	0.005	0.06	0.1	0.05	0.8	0.1	<0.05	10	0.6	<0.2
L1050N - 4900E	Soil			21	0.40	162	0.013	<1	2.12	0.007	0.05	0.1	0.06	1.5	<0.1	<0.05	9	<0.5	<0.2
L1050N - 4950E	Soil			16	0.50	199	0.016	<1	2.18	0.007	0.07	0.1	0.03	1.3	<0.1	0.05	11	<0.5	<0.2
L1050N - 5000E	Soil			14	0.36	109	0.009	<1	1.69	0.008	0.06	0.2	0.04	0.8	<0.1	<0.05	9	<0.5	<0.2
L1100N - 3800E	Soil			18	0.64	366	0.042	<1	1.71	0.009	0.07	0.2	0.04	2.9	<0.1	<0.05	7	<0.5	<0.2
L1100N - 3850E	Soil			24	0.92	386	0.030	<1	2.69	0.009	0.22	0.2	0.06	7.9	<0.1	<0.05	9	<0.5	<0.2

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	0.001	1
L1100N - 3900E	Soil	0.3	9.1	11.0	53	<0.1	18.6	6.8	539	2.27	22.9	<0.5	0.9	17	0.1	3.1	0.1	56	0.26	0.045	13
L1100N - 3950E	Soil	0.3	11.8	12.5	56	0.1	16.6	6.6	641	2.77	31.4	<0.5	1.3	16	<0.1	4.7	0.1	64	0.26	0.048	16
L1100N - 4000E	Soil	0.4	8.8	8.0	43	<0.1	22.4	5.9	394	2.62	26.7	<0.5	1.6	12	<0.1	7.7	0.1	57	0.13	0.059	10
L1100N - 4050E B	Soil	0.5	8.4	8.5	49	<0.1	19.9	5.2	276	2.45	25.0	<0.5	0.4	12	<0.1	4.9	<0.1	48	0.14	0.066	9
L1100N - 4050E C	Soil	0.5	10.6	17.2	56	0.1	26.6	10.1	611	2.70	27.4	<0.5	1.0	15	0.1	3.8	<0.1	60	0.19	0.084	11
L1100N - 4100E	Soil	0.6	10.2	8.1	44	<0.1	21.4	5.7	314	2.61	28.1	<0.5	0.4	11	0.2	4.3	0.1	53	0.12	0.046	12
L1100N - 4150E	Soil	0.5	9.6	9.2	47	<0.1	22.4	7.0	524	2.37	26.3	1.6	0.9	15	0.2	3.7	0.1	56	0.17	0.041	12
L1100N - 4200E	Soil	0.4	8.9	8.4	55	<0.1	23.9	7.2	399	2.47	24.7	2.2	0.9	13	0.1	2.7	0.2	51	0.15	0.044	10
L1100N - 4250E	Soil	0.4	11.4	8.4	51	0.1	22.0	6.1	438	2.46	25.2	1.0	0.5	16	<0.1	2.8	0.2	53	0.33	0.049	19
L1100N - 4300E	Soil	0.3	10.3	8.7	50	<0.1	21.7	7.5	580	2.39	18.6	1.3	1.2	16	0.2	2.8	0.1	50	0.23	0.043	11
L1100N - 4350E	Soil	0.4	11.6	9.7	51	<0.1	24.8	7.8	562	2.40	21.8	5.1	1.2	20	0.3	2.6	0.1	54	0.29	0.060	13
L1100N - 4400E	Soil	0.6	9.3	11.9	78	<0.1	11.5	9.8	750	3.18	22.8	4.4	1.0	19	0.3	1.9	0.2	68	0.33	0.062	13
L1100N - 4450E	Soil	0.3	37.9	10.3	61	0.4	28.4	9.8	843	2.67	23.6	3.7	2.6	28	0.1	2.1	0.1	53	0.52	0.048	62
L1100N - 4500E	Soil	0.4	8.5	11.0	81	<0.1	9.9	6.2	628	3.00	14.2	1.8	0.6	17	0.1	1.2	0.2	65	0.29	0.048	11
L1100N - 4550E	Soil	0.4	55.6	10.3	80	1.0	22.9	8.1	825	2.66	16.9	3.3	2.6	35	0.1	1.4	0.2	52	1.04	0.099	206
L1100N - 4600E	Soil	0.4	65.1	17.6	123	1.7	36.3	12.5	1205	3.59	35.7	7.7	3.8	40	0.3	1.2	0.3	63	1.27	0.125	277
L1100N - 4650E	Soil	0.3	10.5	8.7	46	<0.1	21.5	6.0	442	2.13	16.8	1.8	0.9	19	<0.1	0.9	<0.1	46	0.28	0.037	15
L1100N - 4700E	Soil	0.4	12.7	11.6	53	<0.1	23.5	7.9	666	2.59	21.6	3.6	1.6	28	0.1	1.5	0.1	56	0.43	0.046	38
L1100N - 4750E	Soil	0.3	11.1	9.2	49	0.1	19.5	6.5	632	2.30	19.3	1.5	2.0	23	<0.1	1.7	0.1	51	0.38	0.026	36
L1100N - 4800E	Soil	0.7	11.7	13.4	86	<0.1	17.0	5.5	647	3.38	26.5	3.1	0.3	18	0.2	1.1	0.3	62	0.15	0.131	22
L1100N - 4850E	Soil	0.3	12.6	12.1	96	<0.1	9.4	5.6	725	2.56	23.8	2.4	1.2	68	0.3	0.9	0.2	53	0.93	0.061	19
L1100N - 4900E	Soil	0.9	11.1	11.8	96	<0.1	18.6	5.1	481	3.30	35.4	3.0	0.3	30	<0.1	1.1	0.3	51	0.23	0.056	15
L1100N - 4950E	Soil	0.4	5.7	7.3	70	<0.1	6.6	4.3	337	2.58	22.9	<0.5	0.7	17	0.2	6.9	0.2	48	0.26	0.114	13
L1100N - 5000E	Soil	0.6	9.1	11.4	77	0.2	13.8	4.8	475	2.73	31.6	<0.5	0.3	21	0.2	1.2	0.2	48	0.36	0.086	14
L1150 - 0000S	Soil	37.4	4822.4	>10000	8594	>100	11.7	12.6	500	3.36	49.5	618.7	3.9	59	61.5	134.7	1.7	56	1.06	0.074	12
L1150 - 0001B	Soil	2.8	23.9	4.0	41	0.2	21.3	8.3	393	2.32	5.0	2.3	0.9	44	0.1	0.3	<0.1	60	0.92	0.053	5
L1150N - 3800E	Soil	0.2	13.9	11.1	60	0.2	18.5	8.0	619	2.60	16.7	<0.5	1.1	20	<0.1	1.4	<0.1	64	0.50	0.039	16
L1150N - 3850E	Soil	0.2	10.4	11.4	78	0.1	15.7	7.0	790	2.85	16.2	0.6	1.0	19	0.3	1.5	<0.1	66	0.50	0.067	17
L1150N - 3900E	Soil	0.2	13.9	10.9	59	0.3	18.7	6.6	544	2.53	26.0	2.6	1.1	17	<0.1	2.9	<0.1	61	0.44	0.044	18
L1150N - 3950E B	Soil	0.4	7.2	9.7	49	<0.1	17.7	5.1	319	2.92	21.8	1.5	2.0	10	<0.1	5.3	<0.1	56	0.09	0.053	9

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.

CERTIFICATE OF ANALYSIS

VAN13003994.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
				ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	ppm		
				1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
L1100N - 3900E	Soil			17	0.52	184	0.026	<1	1.34	0.006	0.08	0.2	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
L1100N - 3950E	Soil			15	0.55	204	0.053	<1	1.68	0.008	0.08	0.3	0.04	4.1	<0.1	<0.05	6	<0.5	<0.2
L1100N - 4000E	Soil			20	0.38	116	0.031	<1	1.58	0.006	0.06	0.3	0.04	3.9	<0.1	<0.05	6	<0.5	<0.2
L1100N - 4050E B	Soil			21	0.41	138	0.017	<1	1.57	0.007	0.06	0.2	0.05	2.2	<0.1	<0.05	6	0.8	<0.2
L1100N - 4050E C	Soil			23	0.59	137	0.034	<1	1.85	0.006	0.09	0.2	0.03	3.3	<0.1	<0.05	6	<0.5	<0.2
L1100N - 4100E	Soil			20	0.43	128	0.020	<1	1.82	0.008	0.07	0.2	0.06	2.2	<0.1	<0.05	7	<0.5	<0.2
L1100N - 4150E	Soil			21	0.52	127	0.040	<1	1.28	0.006	0.07	0.2	0.05	3.1	<0.1	<0.05	6	<0.5	<0.2
L1100N - 4200E	Soil			22	0.48	107	0.030	1	1.42	0.006	0.06	0.2	0.03	2.7	<0.1	<0.05	5	<0.5	<0.2
L1100N - 4250E	Soil			22	0.55	191	0.022	2	1.63	0.007	0.07	0.2	0.06	2.3	<0.1	<0.05	6	<0.5	<0.2
L1100N - 4300E	Soil			21	0.48	143	0.030	<1	1.33	0.007	0.07	0.2	0.04	2.8	<0.1	<0.05	5	<0.5	<0.2
L1100N - 4350E	Soil			23	0.55	279	0.017	<1	1.87	0.007	0.08	0.1	0.03	3.2	<0.1	<0.05	6	<0.5	<0.2
L1100N - 4400E	Soil			13	0.98	154	0.072	1	2.34	0.007	0.09	0.2	0.04	3.3	<0.1	<0.05	8	<0.5	<0.2
L1100N - 4450E	Soil			26	0.64	525	0.019	<1	1.91	0.009	0.13	<0.1	0.07	6.2	0.1	<0.05	6	<0.5	<0.2
L1100N - 4500E	Soil			11	0.52	245	0.054	<1	1.24	0.007	0.07	0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
L1100N - 4550E	Soil			23	0.70	1194	0.007	<1	3.11	0.007	0.20	0.1	0.12	9.4	0.1	<0.05	7	<0.5	<0.2
L1100N - 4600E	Soil			37	0.95	1872	0.004	1	3.92	0.007	0.28	<0.1	0.26	10.1	0.2	0.08	10	<0.5	<0.2
L1100N - 4650E	Soil			21	0.45	327	0.025	2	1.53	0.007	0.05	0.1	0.03	2.8	<0.1	<0.05	5	<0.5	<0.2
L1100N - 4700E	Soil			22	0.55	626	0.029	<1	1.87	0.009	0.10	0.2	0.05	3.9	<0.1	<0.05	5	<0.5	<0.2
L1100N - 4750E	Soil			18	0.47	445	0.046	<1	1.28	0.008	0.07	0.2	0.07	3.9	<0.1	<0.05	4	<0.5	<0.2
L1100N - 4800E	Soil			19	0.57	173	0.012	<1	2.97	0.006	0.07	0.2	0.04	1.1	0.1	0.07	13	<0.5	<0.2
L1100N - 4850E	Soil			9	0.53	203	0.055	<1	2.42	0.009	0.10	0.3	0.01	2.5	<0.1	<0.05	7	<0.5	<0.2
L1100N - 4900E	Soil			17	0.50	150	0.022	<1	2.49	0.007	0.09	0.3	0.03	1.6	0.1	<0.05	14	<0.5	<0.2
L1100N - 4950E	Soil			8	0.41	137	0.006	<1	1.87	0.005	0.13	0.1	0.03	1.3	0.1	<0.05	8	<0.5	<0.2
L1100N - 5000E	Soil			16	0.50	180	0.019	1	2.03	0.006	0.09	0.1	0.05	1.2	0.1	<0.05	9	<0.5	<0.2
L1150 - 0000S	Soil			18	0.63	105	0.100	4	1.03	0.052	0.42	12.5	1.14	4.0	3.1	1.49	8	2.4	<0.2
L1150 - 0001B	Soil			28	0.71	97	0.120	6	1.54	0.075	0.12	8.2	0.02	4.7	<0.1	<0.05	5	<0.5	<0.2
L1150N - 3800E	Soil			17	0.74	371	0.068	2	1.95	0.007	0.13	0.1	0.02	4.8	<0.1	<0.05	7	<0.5	<0.2
L1150N - 3850E	Soil			16	0.75	324	0.062	2	2.11	0.018	0.11	0.1	0.03	3.8	<0.1	<0.05	8	<0.5	<0.2
L1150N - 3900E	Soil			17	0.65	344	0.037	2	1.80	0.010	0.11	0.2	0.03	3.8	<0.1	<0.05	6	<0.5	<0.2
L1150N - 3950E B	Soil			18	0.38	124	0.037	<1	1.38	0.005	0.06	0.3	0.04	2.9	<0.1	<0.05	7	<0.5	<0.2



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Project: RANCH
Report Date: October 24, 2013

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CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	
			0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
L1150N - 3950E C	Soil		0.5	9.0	11.0	52	<0.1	19.2	6.1	375	2.77	25.5	<0.5	2.3	11	<0.1	5.8	0.1	62	0.13	0.058	12
L1150N - 4000E	Soil		0.7	6.4	9.6	70	<0.1	12.9	5.7	604	2.96	24.9	1.3	0.7	10	0.2	5.4	0.3	64	0.11	0.085	10
L1150N - 4050E	Soil		0.3	9.3	9.0	59	0.1	21.2	6.7	430	2.79	26.5	1.4	0.7	14	0.2	3.8	0.2	62	0.20	0.080	12
L1150N - 4100E	Soil		0.7	7.7	10.1	75	0.1	17.3	6.0	598	3.22	36.6	0.6	0.6	13	0.3	3.0	0.2	61	0.12	0.057	13
L1150N - 4150E	Soil		0.5	8.9	8.7	54	<0.1	27.2	5.9	385	2.43	28.2	0.8	1.3	15	0.1	3.8	0.1	52	0.15	0.045	11
L1150N - 4200E	Soil		0.4	13.9	13.6	119	<0.1	18.0	13.5	1092	3.67	48.2	<0.5	1.2	23	0.3	2.2	0.2	80	0.30	0.074	15
L1150N - 4260E	Soil		0.6	9.7	8.5	49	<0.1	21.3	5.8	412	2.43	22.5	1.0	0.9	14	0.1	2.9	0.1	51	0.14	0.032	10
L1150N - 4300E	Soil		0.4	13.3	10.0	56	0.1	14.0	5.4	661	2.71	27.0	2.1	0.2	20	0.3	1.3	0.2	57	0.31	0.075	19
L1150N - 4350E	Soil		0.2	9.2	9.2	53	<0.1	16.9	6.1	466	2.69	17.5	0.8	0.6	14	0.2	1.9	0.1	57	0.12	0.042	12
L1150N - 4400E	Soil		0.3	15.1	10.2	77	<0.1	17.9	9.1	770	3.12	18.4	<0.5	1.4	17	0.2	1.4	0.1	65	0.41	0.085	15
L1150N - 4450E	Soil		0.4	14.8	8.8	83	0.1	23.0	7.0	557	2.82	21.5	3.1	1.1	22	0.2	1.4	0.1	61	0.45	0.091	31
L1150N - 4500E	Soil		0.3	22.8	11.9	63	0.2	16.7	9.0	736	3.13	20.0	1.2	2.2	23	0.2	1.6	0.1	67	0.53	0.042	25
L1150N - 4550E	Soil		0.5	9.7	11.5	60	0.1	11.8	5.7	523	3.04	15.4	1.3	0.3	13	0.1	1.3	0.1	64	0.19	0.052	12
L1150N - 4600E	Soil		0.4	19.5	11.2	64	0.3	16.7	7.7	715	2.59	38.5	1.2	1.7	20	0.1	1.5	0.1	58	0.45	0.038	46
L1150N - 4650E	Soil		0.2	15.2	11.3	60	0.1	24.2	6.2	435	2.28	16.7	3.0	1.2	20	0.1	0.8	0.1	47	0.34	0.044	29
L1150N - 4700E	Soil		0.4	12.0	13.8	55	0.2	21.1	7.6	609	2.25	25.2	2.6	1.3	20	0.3	1.1	0.1	45	0.30	0.039	27
L1150N - 4750E	Soil		0.3	30.0	13.2	100	0.5	28.5	8.3	767	2.71	29.9	4.6	3.5	32	0.4	1.0	0.2	51	0.99	0.095	91
L1150N - 4802E	Soil		0.4	22.2	14.3	149	0.1	16.7	6.6	799	2.79	34.2	<0.5	1.8	96	0.7	1.8	0.2	61	0.99	0.082	22
L1150N - 4850E	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.
L1150N - 4900E	Soil		0.5	8.2	9.8	91	<0.1	13.4	5.1	409	2.24	15.2	4.0	1.0	38	<0.1	1.1	0.2	46	0.42	0.064	18
L1150N - 4957E	Soil		0.6	8.6	9.6	54	<0.1	17.1	4.5	328	2.55	45.8	<0.5	0.2	19	<0.1	1.3	0.1	50	0.17	0.051	10
L1150N - 5000E	Soil		0.5	10.9	12.7	69	0.2	19.4	5.2	506	2.92	27.2	1.3	0.7	26	<0.1	1.1	0.3	54	0.42	0.100	40
L1200N - 3800E	Soil		0.4	9.8	10.0	67	<0.1	17.6	6.3	655	2.90	11.6	1.1	0.5	17	0.6	1.2	0.2	62	0.33	0.060	13
L1200N - 3850E B	Soil		0.4	12.7	11.0	64	0.1	19.0	8.4	699	2.60	18.4	1.2	1.4	20	0.1	1.7	0.1	62	0.53	0.078	13
L1200N - 3850E C	Soil		0.4	9.1	11.2	69	<0.1	7.1	10.6	779	2.95	12.6	<0.5	2.2	17	<0.1	0.9	<0.1	64	0.50	0.086	12
L1200N - 3900E	Soil		0.5	8.3	11.3	73	<0.1	16.3	7.0	574	2.76	25.8	1.1	0.7	10	0.3	2.7	0.1	63	0.10	0.055	10
L1200N - 3950E	Soil		0.4	10.4	12.2	61	0.2	17.7	6.4	524	2.79	35.5	0.8	0.9	19	0.1	4.1	0.1	70	0.37	0.063	17
L1200N - 4000E	Soil		0.3	8.3	9.5	75	<0.1	12.1	5.5	650	2.56	19.6	<0.5	0.2	13	<0.1	5.0	0.1	65	0.19	0.073	11
L1200N - 4050E	Soil		0.3	9.5	10.0	78	<0.1	11.6	7.9	776	2.93	23.3	2.4	1.3	13	<0.1	3.5	0.3	70	0.23	0.053	12
L1200N - 4100E	Soil		0.6	9.0	9.5	63	<0.1	21.2	6.1	481	2.87	26.7	<0.5	0.9	14	0.2	3.6	0.2	61	0.18	0.049	12

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CERTIFICATE OF ANALYSIS

VAN13003994.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
				ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		
				1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
L1150N - 3950E C	Soil			20	0.50	112	0.044	1	1.71	0.006	0.06	0.3	0.05	3.3	<0.1	<0.05	6	<0.5	<0.2
L1150N - 4000E	Soil			16	0.36	150	0.035	<1	1.74	0.005	0.07	0.3	0.05	2.8	0.1	<0.05	8	<0.5	<0.2
L1150N - 4050E	Soil			19	0.52	119	0.040	1	1.66	0.007	0.07	0.3	0.04	2.8	<0.1	<0.05	6	<0.5	<0.2
L1150N - 4100E	Soil			20	0.50	201	0.036	<1	1.83	0.007	0.07	0.3	0.04	2.7	<0.1	<0.05	10	<0.5	<0.2
L1150N - 4150E	Soil			22	0.51	131	0.037	1	1.41	0.006	0.08	0.2	0.05	2.9	<0.1	<0.05	5	<0.5	<0.2
L1150N - 4200E	Soil			19	1.43	190	0.084	3	2.80	0.006	0.13	0.2	0.05	4.9	<0.1	<0.05	13	<0.5	<0.2
L1150N - 4260E	Soil			20	0.44	154	0.023	1	1.53	0.006	0.07	0.2	0.04	2.9	<0.1	<0.05	6	<0.5	<0.2
L1150N - 4300E	Soil			16	0.47	204	0.024	1	1.76	0.007	0.09	0.1	0.03	1.8	0.1	<0.05	7	<0.5	<0.2
L1150N - 4350E	Soil			18	0.51	138	0.043	2	1.66	0.007	0.07	<0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
L1150N - 4400E	Soil			16	0.92	261	0.012	1	2.51	0.008	0.13	<0.1	0.03	3.5	0.1	<0.05	8	<0.5	<0.2
L1150N - 4450E	Soil			20	0.65	519	0.020	1	2.20	0.009	0.10	0.2	0.04	3.5	0.2	<0.05	7	<0.5	<0.2
L1150N - 4500E	Soil			15	0.75	1042	0.019	1	2.16	0.008	0.11	0.1	0.02	4.8	0.1	<0.05	7	<0.5	<0.2
L1150N - 4550E	Soil			13	0.54	204	0.035	2	1.63	0.007	0.08	0.2	0.03	1.7	<0.1	<0.05	6	<0.5	<0.2
L1150N - 4600E	Soil			18	0.56	654	0.031	2	1.55	0.007	0.09	0.1	0.04	4.7	<0.1	<0.05	5	0.8	<0.2
L1150N - 4650E	Soil			21	0.54	450	0.019	<1	1.84	0.008	0.08	0.1	0.03	2.9	<0.1	<0.05	5	0.7	<0.2
L1150N - 4700E	Soil			20	0.46	462	0.019	1	1.54	0.005	0.07	0.1	0.04	3.1	<0.1	<0.05	4	<0.5	<0.2
L1150N - 4750E	Soil			28	0.73	599	0.006	<1	3.62	0.007	0.17	0.1	0.08	7.6	<0.1	0.05	8	<0.5	<0.2
L1150N - 4802E	Soil			17	0.55	304	0.040	2	2.50	0.011	0.13	0.2	0.04	4.0	<0.1	<0.05	7	0.5	<0.2
L1150N - 4850E	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.
L1150N - 4900E	Soil			12	0.50	246	0.034	<1	1.86	0.013	0.07	0.1	0.01	1.8	<0.1	<0.05	9	<0.5	<0.2
L1150N - 4957E	Soil			18	0.42	172	0.019	<1	1.63	0.006	0.06	0.2	0.03	1.2	<0.1	<0.05	6	<0.5	<0.2
L1150N - 5000E	Soil			19	0.49	485	0.014	<1	2.13	0.008	0.07	0.2	0.03	1.8	0.1	<0.05	9	0.5	<0.2
L1200N - 3800E	Soil			17	0.55	724	0.040	2	1.80	0.012	0.07	0.2	0.03	2.7	<0.1	<0.05	9	<0.5	<0.2
L1200N - 3850E B	Soil			17	0.71	179	0.032	1	1.69	0.007	0.12	0.2	0.01	4.3	<0.1	<0.05	6	<0.5	<0.2
L1200N - 3850E C	Soil			7	0.89	111	0.042	2	1.48	0.007	0.14	0.3	<0.01	3.8	<0.1	<0.05	6	<0.5	<0.2
L1200N - 3900E	Soil			17	0.68	103	0.048	2	1.83	0.011	0.08	0.2	0.04	3.1	<0.1	<0.05	9	<0.5	<0.2
L1200N - 3950E	Soil			17	0.64	219	0.049	2	1.76	0.007	0.09	0.3	0.04	3.8	<0.1	<0.05	6	<0.5	<0.2
L1200N - 4000E	Soil			15	0.49	142	0.038	<1	1.39	0.005	0.10	0.1	0.05	2.1	<0.1	<0.05	6	<0.5	<0.2
L1200N - 4050E	Soil			14	0.88	111	0.092	<1	1.46	0.006	0.08	0.2	0.02	3.1	<0.1	<0.05	7	<0.5	<0.2
L1200N - 4100E	Soil			20	0.54	169	0.041	3	1.56	0.007	0.07	0.3	0.04	2.9	<0.1	<0.05	7	<0.5	<0.2



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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm		
			0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
L1200N - 4150E	Soil		0.4	9.7	9.1	46	<0.1	22.6	6.3	435	2.40	25.0	<0.5	0.4	14	0.2	4.4	0.1	54	0.12	0.058	10
L1200N - 4200E	Soil		0.3	19.9	19.2	84	0.1	16.8	8.2	858	2.68	25.1	1.5	1.2	38	0.2	1.5	0.1	63	0.61	0.071	22
L1200N - 4250E	Soil		0.6	10.8	10.4	65	<0.1	24.8	8.0	650	2.51	21.2	<0.5	0.4	14	<0.1	2.9	0.1	56	0.14	0.056	11
L1200N - 4300E	Soil		0.4	11.6	10.4	51	<0.1	27.5	9.2	570	2.64	22.7	<0.5	0.8	12	0.2	2.3	0.1	55	0.10	0.050	10
L1200N - 4350E	Soil		0.5	20.2	9.5	69	<0.1	38.9	9.3	644	2.88	12.8	2.4	1.3	23	0.1	0.7	0.1	53	0.30	0.077	15
L1200N - 4400E	Soil		0.4	11.9	9.1	64	<0.1	22.4	7.3	598	2.75	15.4	<0.5	0.9	17	0.2	0.9	0.2	56	0.26	0.064	13
L1200N - 4450E	Soil		0.3	9.7	9.3	63	<0.1	14.8	6.6	605	2.68	16.2	<0.5	0.5	20	0.1	1.5	0.2	53	0.45	0.078	12
L1200N - 4500E	Soil		0.4	14.9	9.1	61	<0.1	19.2	7.1	571	2.48	13.0	<0.5	1.6	20	0.1	1.5	0.2	52	0.58	0.050	12
L1200N - 4550E	Soil		0.5	20.6	12.0	73	0.2	18.4	7.0	681	2.80	46.6	14.3	1.8	21	<0.1	1.8	0.2	64	0.41	0.054	25
L1200N - 4600E	Soil		0.3	15.3	14.8	60	0.2	15.0	6.1	627	2.37	41.4	<0.5	2.1	18	0.2	1.4	0.1	51	0.35	0.028	30
L1200N - 4650E	Soil		0.4	22.8	11.4	79	0.2	30.8	7.6	634	2.95	19.0	27.4	1.7	22	0.2	1.1	0.1	62	0.41	0.069	43
L1200N - 4700E	Soil		0.3	11.4	9.9	54	0.1	24.8	6.8	498	2.26	20.0	1.4	0.5	16	0.1	0.8	<0.1	41	0.20	0.061	20
L1200N - 4750E	Soil		0.4	9.7	9.9	50	<0.1	18.1	5.3	396	2.43	23.5	<0.5	0.4	12	<0.1	1.1	0.1	46	0.13	0.042	11
L1200N - 4800E	Soil		0.3	5.9	9.3	54	<0.1	12.9	3.9	369	2.00	18.0	<0.5	0.3	15	0.2	1.5	0.1	41	0.15	0.039	8
L1200N - 4850E	Soil		0.4	14.7	12.9	56	0.1	21.8	7.1	619	2.24	35.8	<0.5	2.4	24	0.9	1.8	0.1	53	0.36	0.039	25
L1200N - 4900E	Soil		0.5	7.6	9.5	54	<0.1	16.3	4.5	339	2.30	48.9	<0.5	0.2	15	<0.1	1.6	0.1	47	0.10	0.041	10
L1200N - 4950E	Soil		0.7	8.7	12.2	53	<0.1	17.1	5.2	490	2.63	36.3	<0.5	0.4	26	<0.1	1.5	0.2	48	0.24	0.073	14
L1200N - 5000E	Soil		0.3	5.6	14.5	44	0.2	5.6	2.8	296	2.15	18.2	<0.5	0.4	21	0.2	1.6	0.2	24	0.37	0.053	13
L1250 - 0000S	Soil		70.8	7972.8	8348.1	>10000	>100	35.4	58.1	2252	9.05	2552.5	2635.7	80.4	444	133.7	311.6	17.7	24	3.30	0.286	366
L1250 - 0001B	Soil		2.5	25.7	5.2	49	0.2	22.3	8.5	412	2.37	5.0	3.9	0.9	44	0.1	0.4	<0.1	62	0.94	0.053	5
L1250N - 3800E	Soil		0.6	10.0	8.7	54	0.1	14.6	4.9	312	2.15	11.3	3.2	0.4	12	0.4	1.3	0.2	51	0.16	0.046	17
L1250N - 3850E	Soil		0.5	9.5	10.5	48	<0.1	22.0	6.4	431	2.35	14.7	2.5	0.3	17	0.1	1.9	0.1	52	0.19	0.039	10
L1250N - 3900E	Soil		0.4	10.0	11.4	66	<0.1	15.5	7.2	536	2.98	16.0	4.4	0.5	14	0.3	2.3	0.1	68	0.19	0.055	10
L1250N - 3950E	Soil		0.4	9.0	12.1	70	<0.1	16.9	7.1	650	3.03	22.5	2.4	1.9	14	0.2	3.5	0.1	74	0.23	0.061	12
L1250N - 4000E	Soil		0.4	8.9	10.1	62	<0.1	13.5	6.5	590	2.90	24.7	1.5	0.9	15	<0.1	3.4	0.1	69	0.28	0.056	15
L1250N - 4050E	Soil		0.5	9.9	9.4	85	<0.1	10.9	8.7	749	3.03	24.8	0.9	0.7	12	<0.1	2.4	0.1	72	0.13	0.042	10
L1250N - 4100E	Soil		0.8	8.9	10.0	71	0.1	16.0	6.6	566	3.14	29.4	1.7	1.4	11	0.2	3.2	0.1	72	0.10	0.042	10
L1250N - 4150E	Soil		0.4	17.1	15.8	74	0.1	22.6	10.3	873	2.97	24.4	0.6	1.3	15	0.1	1.8	0.1	71	0.23	0.066	13
L1250N - 4200E	Soil		0.4	15.2	11.0	63	<0.1	31.1	11.6	815	2.81	27.6	1.3	1.6	16	0.2	2.1	<0.1	60	0.22	0.048	15
L1250N - 4250E	Soil		0.5	15.3	11.3	64	<0.1	29.5	10.8	807	2.99	20.6	<0.5	1.5	16	0.2	1.8	0.1	65	0.17	0.056	12

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Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
				ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		
				1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
L1200N - 4150E	Soil			22	0.45	175	0.020	<1	1.72	0.006	0.06	0.2	0.04	2.3	<0.1	<0.05	6	0.9	<0.2
L1200N - 4200E	Soil			18	0.70	346	0.032	2	2.02	0.012	0.12	0.2	0.03	4.3	<0.1	<0.05	8	<0.5	<0.2
L1200N - 4250E	Soil			23	0.56	140	0.027	2	1.81	0.008	0.08	0.2	0.03	2.1	<0.1	<0.05	6	<0.5	<0.2
L1200N - 4300E	Soil			25	0.59	134	0.027	1	2.05	0.006	0.08	0.2	0.05	3.0	<0.1	<0.05	5	0.6	<0.2
L1200N - 4350E	Soil			32	0.74	237	0.017	2	2.19	0.007	0.10	0.1	0.03	3.4	<0.1	<0.05	6	<0.5	<0.2
L1200N - 4400E	Soil			19	0.65	140	0.035	1	1.55	0.007	0.10	0.1	0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
L1200N - 4450E	Soil			15	0.61	589	0.011	2	1.80	0.008	0.10	0.1	0.02	2.1	0.1	<0.05	7	<0.5	<0.2
L1200N - 4500E	Soil			20	0.65	675	0.020	2	1.65	0.008	0.12	0.1	0.04	4.2	0.1	<0.05	6	<0.5	<0.2
L1200N - 4550E	Soil			19	0.61	499	0.023	1	1.85	0.008	0.10	0.2	0.04	4.7	0.1	<0.05	6	<0.5	<0.2
L1200N - 4600E	Soil			14	0.51	610	0.030	3	1.44	0.011	0.07	0.2	0.08	4.1	<0.1	<0.05	4	<0.5	<0.2
L1200N - 4650E	Soil			25	0.66	579	0.013	<1	2.44	0.008	0.10	<0.1	0.04	4.4	0.1	<0.05	7	<0.5	<0.2
L1200N - 4700E	Soil			22	0.46	164	0.020	<1	1.75	0.007	0.07	0.1	0.03	2.2	<0.1	<0.05	5	<0.5	<0.2
L1200N - 4750E	Soil			18	0.46	133	0.023	<1	1.64	0.006	0.07	0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
L1200N - 4800E	Soil			14	0.39	119	0.026	1	1.19	0.006	0.06	0.2	0.05	1.4	<0.1	<0.05	5	<0.5	<0.2
L1200N - 4850E	Soil			19	0.47	197	0.036	1	1.32	0.012	0.06	0.2	0.05	4.5	<0.1	<0.05	5	<0.5	<0.2
L1200N - 4900E	Soil			19	0.39	150	0.020	1	1.55	0.007	0.05	0.2	0.04	1.2	<0.1	<0.05	6	<0.5	<0.2
L1200N - 4950E	Soil			18	0.46	152	0.025	<1	1.91	0.007	0.08	0.2	0.05	1.5	<0.1	<0.05	7	<0.5	<0.2
L1200N - 5000E	Soil			6	0.27	381	0.009	2	1.14	0.007	0.13	0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
L1250 - 0000S	Soil			26	1.31	25	0.021	4	0.94	0.029	0.19	8.9	3.54	4.0	6.6	5.69	11	3.4	0.3
L1250 - 0001B	Soil			28	0.76	97	0.129	5	1.66	0.079	0.12	8.6	0.02	4.9	<0.1	<0.05	5	<0.5	<0.2
L1250N - 3800E	Soil			17	0.49	179	0.018	2	2.04	0.005	0.06	0.1	0.03	2.2	<0.1	<0.05	7	<0.5	<0.2
L1250N - 3850E	Soil			20	0.51	128	0.034	1	1.64	0.007	0.06	0.1	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
L1250N - 3900E	Soil			17	0.62	148	0.057	3	1.91	0.005	0.08	0.2	0.04	2.9	<0.1	<0.05	7	<0.5	<0.2
L1250N - 3950E	Soil			18	0.65	95	0.079	3	1.64	0.006	0.09	0.3	<0.01	3.3	<0.1	<0.05	7	<0.5	<0.2
L1250N - 4000E	Soil			14	0.60	109	0.079	3	1.56	0.007	0.08	0.2	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
L1250N - 4050E	Soil			12	0.91	72	0.092	3	1.67	0.006	0.09	0.3	0.05	2.8	<0.1	<0.05	9	<0.5	<0.2
L1250N - 4100E	Soil			18	0.62	111	0.073	1	1.68	0.006	0.07	0.3	0.04	3.3	<0.1	<0.05	7	<0.5	<0.2
L1250N - 4150E	Soil			20	0.73	157	0.070	2	1.92	0.007	0.10	0.2	0.04	3.4	<0.1	<0.05	7	<0.5	<0.2
L1250N - 4200E	Soil			26	0.70	204	0.043	3	2.14	0.008	0.10	0.1	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2
L1250N - 4250E	Soil			26	0.70	193	0.046	2	2.24	0.007	0.10	0.2	0.02	4.2	<0.1	<0.05	7	<0.5	<0.2

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				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
				ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm		
				0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1
L1250N - 4300E	Soil			0.4	12.2	11.2	57	<0.1	17.1	7.7	706	2.64	18.1	3.1	1.4	18	0.2	1.6	0.1	62	0.28	0.050	18
L1250N - 4350E B	Soil			0.4	11.5	10.1	67	<0.1	15.0	6.6	481	2.85	15.8	0.6	0.9	11	0.1	1.1	0.2	63	0.13	0.053	10
L1250N - 4350E C	Soil			0.3	13.5	9.9	68	<0.1	15.8	8.1	652	2.84	13.1	1.2	1.0	13	0.3	0.9	0.2	62	0.17	0.058	12
L1250N - 4400E	Soil			0.5	11.7	8.2	58	<0.1	20.4	6.2	445	2.54	15.0	1.1	0.3	15	0.3	1.0	0.1	52	0.16	0.071	14
L1250N - 4450E	Soil			0.3	11.5	8.2	46	0.1	19.4	6.2	474	2.30	14.0	2.3	0.6	21	<0.1	1.7	0.1	54	0.40	0.074	17
L1250N - 4500E	Soil			0.3	8.4	7.5	59	0.1	11.8	4.6	337	2.25	13.9	<0.5	0.3	13	0.4	1.7	0.2	53	0.12	0.036	9
L1250N - 4550E	Soil			0.7	10.4	10.0	56	<0.1	19.7	6.9	497	2.81	27.9	0.7	0.3	16	0.3	1.9	0.1	58	0.18	0.061	11
L1250N - 4600E	Soil			0.3	14.0	11.1	59	<0.1	17.7	7.3	662	2.43	13.3	<0.5	1.9	24	0.1	1.3	0.1	56	0.44	0.046	20
L1250N - 4650E	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.
L1250N - 4650E B	Soil			0.5	33.4	9.5	82	0.5	28.7	9.7	1292	2.62	18.8	3.8	2.1	49	0.3	0.6	<0.1	56	1.49	0.124	52
L1250N - 4700E C	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.
L1250N - 4750E	Soil			0.5	15.8	10.4	52	0.2	25.5	6.9	635	2.31	23.8	<0.5	2.4	26	0.1	1.0	0.1	51	0.48	0.029	29
L1250N - 4800E	Soil			0.5	10.3	11.5	46	0.1	15.8	6.0	469	2.52	28.2	0.7	0.2	14	0.2	1.0	0.1	51	0.14	0.053	13
L1250N - 4850E	Soil			0.6	18.8	14.5	91	0.3	26.6	9.6	1065	2.81	84.7	1.6	2.0	34	0.2	1.3	0.2	62	0.79	0.101	47
L1250N - 4900E	Soil			0.4	9.9	13.9	51	<0.1	19.6	6.8	500	2.25	39.8	2.2	0.7	19	0.2	1.9	0.1	48	0.21	0.049	11
L1250N - 4955E	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.
L1250N - 5000E	Soil			0.7	10.9	12.5	81	0.3	15.9	4.9	386	3.20	91.6	1.6	0.2	22	0.7	1.5	0.2	56	0.16	0.180	11
L1300N - 3800E	Soil			0.6	8.9	9.1	57	0.1	16.9	6.2	488	2.47	15.6	1.0	0.3	15	0.3	1.2	<0.1	54	0.12	0.041	9
L1300N - 3850E	Soil			0.5	9.3	8.7	63	<0.1	21.6	5.6	331	2.63	14.5	0.9	0.7	13	0.1	1.7	<0.1	52	0.14	0.047	10
L1300N - 3900E	Soil			0.5	8.3	9.9	60	0.1	12.3	4.2	418	2.41	12.5	228.8	<0.1	10	0.2	2.4	0.1	61	0.06	0.058	8
L1300N - 3950E	Soil			0.4	9.8	10.9	81	<0.1	14.4	6.1	571	2.96	15.8	1.0	1.7	20	0.3	2.2	0.1	74	0.26	0.064	12
L1300N - 4000E	Soil			0.5	11.8	13.2	69	<0.1	25.5	9.7	752	2.63	25.5	2.3	1.3	12	0.2	5.1	0.1	60	0.16	0.062	11
L1300N - 4050E	Soil			0.4	10.0	9.9	69	<0.1	10.6	5.0	697	2.04	11.1	3.0	<0.1	13	0.2	2.5	0.2	55	0.10	0.093	10
L1300N - 4100E	Soil			0.5	14.9	8.9	74	<0.1	24.9	7.8	574	2.95	17.1	<0.5	0.8	14	<0.1	1.4	0.1	70	0.17	0.059	12
L1300N - 4150E	Soil			0.3	11.2	13.9	67	<0.1	18.6	9.1	734	3.00	21.8	1.0	0.9	14	0.3	1.9	0.1	71	0.20	0.071	13
L1300N - 4200E	Soil			0.8	9.3	9.9	58	<0.1	12.4	5.4	689	2.70	19.7	0.6	0.4	11	<0.1	2.1	0.1	58	0.08	0.054	11
L1300N - 4250E	Soil			0.6	12.9	10.6	68	<0.1	17.2	8.2	692	2.71	20.7	2.2	1.1	18	0.2	1.2	0.1	62	0.19	0.066	11
L1300N - 4300E	Soil			0.6	12.5	10.2	52	<0.1	27.2	9.6	584	2.53	20.8	0.8	0.8	12	0.2	2.7	0.1	55	0.12	0.053	10
L1300N - 4350E	Soil			0.7	9.8	10.0	65	<0.1	13.6	5.5	463	2.81	14.7	2.0	1.0	10	0.1	1.3	0.2	60	0.11	0.054	10
L1300N - 4400E	Soil			0.5	14.7	9.7	65	<0.1	19.3	6.7	498	2.79	13.3	2.1	1.5	12	0.2	0.9	0.2	56	0.14	0.040	10

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Project: RANCH
Report Date: October 24, 2013

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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
				ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		
				1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
L1250N - 4300E	Soil			15	0.49	179	0.060	2	1.31	0.009	0.07	0.2	0.03	3.0	<0.1	<0.05	5	<0.5	<0.2
L1250N - 4350E B	Soil			16	0.55	96	0.042	4	1.89	0.007	0.07	0.2	0.05	2.1	<0.1	<0.05	6	<0.5	<0.2
L1250N - 4350E C	Soil			15	0.59	101	0.042	3	1.86	0.009	0.09	0.1	0.03	2.3	0.1	<0.05	6	<0.5	<0.2
L1250N - 4400E	Soil			19	0.57	141	0.020	2	1.89	0.006	0.07	0.1	0.03	1.5	<0.1	<0.05	7	<0.5	<0.2
L1250N - 4450E	Soil			20	0.51	360	0.025	<1	1.43	0.008	0.07	0.1	0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
L1250N - 4500E	Soil			16	0.38	180	0.031	1	1.18	0.007	0.09	0.1	0.04	1.5	<0.1	<0.05	5	<0.5	<0.2
L1250N - 4550E	Soil			19	0.48	155	0.032	1	1.71	0.006	0.09	0.1	0.04	1.9	<0.1	<0.05	5	<0.5	<0.2
L1250N - 4600E	Soil			17	0.50	524	0.035	<1	1.52	0.008	0.09	0.1	0.03	4.0	<0.1	<0.05	5	<0.5	<0.2
L1250N - 4650E	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.
L1250N - 4650E B	Soil			30	0.85	1104	0.006	2	3.47	0.007	0.20	<0.1	0.12	7.6	0.2	0.08	10	<0.5	<0.2
L1250N - 4700E C	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.
L1250N - 4750E	Soil			23	0.53	499	0.025	2	1.82	0.013	0.09	0.1	0.05	5.9	<0.1	<0.05	5	<0.5	<0.2
L1250N - 4800E	Soil			18	0.49	142	0.022	2	1.97	0.006	0.06	0.1	0.04	1.5	<0.1	<0.05	6	<0.5	<0.2
L1250N - 4850E	Soil			26	0.77	372	0.010	1	3.25	0.008	0.17	0.2	0.05	6.0	0.1	<0.05	8	1.0	<0.2
L1250N - 4900E	Soil			20	0.47	116	0.028	<1	1.64	0.007	0.07	0.1	0.06	2.4	<0.1	<0.05	5	<0.5	<0.2
L1250N - 4955E	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.
L1250N - 5000E	Soil			20	0.37	148	0.015	2	2.17	0.005	0.09	0.2	0.10	0.8	<0.1	0.07	7	<0.5	<0.2
L1300N - 3800E	Soil			20	0.48	128	0.028	3	1.82	0.006	0.07	0.1	0.04	2.1	<0.1	<0.05	7	<0.5	<0.2
L1300N - 3850E	Soil			23	0.50	120	0.038	1	1.67	0.007	0.07	0.2	0.02	2.5	<0.1	<0.05	7	<0.5	<0.2
L1300N - 3900E	Soil			16	0.34	120	0.020	2	1.66	0.005	0.08	0.2	0.03	1.1	<0.1	<0.05	6	<0.5	<0.2
L1300N - 3950E	Soil			15	0.62	98	0.083	3	1.80	0.008	0.07	0.2	0.01	3.5	<0.1	<0.05	7	<0.5	<0.2
L1300N - 4000E	Soil			23	0.54	98	0.035	2	1.75	0.006	0.09	0.2	0.06	2.6	<0.1	<0.05	5	<0.5	<0.2
L1300N - 4050E	Soil			16	0.46	118	0.025	2	1.64	0.006	0.07	0.2	0.06	1.0	0.1	<0.05	8	<0.5	<0.2
L1300N - 4100E	Soil			25	0.73	97	0.058	<1	1.70	0.007	0.07	0.1	0.03	3.0	<0.1	<0.05	6	<0.5	<0.2
L1300N - 4150E	Soil			18	0.59	110	0.069	2	1.75	0.006	0.07	0.2	0.04	2.9	<0.1	<0.05	6	<0.5	<0.2
L1300N - 4200E	Soil			17	0.40	117	0.043	<1	1.27	0.008	0.07	0.2	0.02	1.4	<0.1	<0.05	7	<0.5	<0.2
L1300N - 4250E	Soil			17	0.63	144	0.048	2	1.86	0.007	0.09	0.1	0.03	2.8	<0.1	<0.05	6	<0.5	<0.2
L1300N - 4300E	Soil			26	0.55	122	0.030	2	1.85	0.006	0.09	0.1	0.04	2.9	<0.1	<0.05	5	<0.5	<0.2
L1300N - 4350E	Soil			15	0.51	109	0.051	2	1.58	0.007	0.08	0.2	0.04	2.1	<0.1	<0.05	6	<0.5	<0.2
L1300N - 4400E	Soil			17	0.63	178	0.025	2	1.58	0.006	0.08	0.2	0.03	2.0	<0.1	<0.05	7	<0.5	<0.2

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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
				ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm		
				0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1
L1300N - 4450E	Soil			0.3	6.4	8.7	48	<0.1	5.1	5.8	841	2.16	8.4	3.4	1.9	18	<0.1	0.9	0.2	43	0.64	0.101	16
L1300N - 4500E	Soil			0.7	9.8	8.7	61	<0.1	9.6	4.2	460	2.81	25.9	2.9	0.2	11	<0.1	1.5	0.2	55	0.09	0.076	9
L1300N - 4550E	Soil			0.4	9.9	11.9	56	<0.1	17.0	7.7	669	3.00	21.0	3.1	0.7	11	0.2	2.0	0.1	61	0.14	0.048	11
L1300N - 4600E	Soil			0.7	12.1	10.2	81	0.2	14.2	6.3	849	2.45	18.9	2.7	0.2	18	0.2	1.2	0.2	51	0.27	0.105	16
L1300N - 4650E	Soil			0.4	12.0	11.7	56	<0.1	17.8	6.0	588	2.34	13.0	5.0	1.7	21	<0.1	0.9	<0.1	49	0.39	0.054	17
L1300N - 4700E B	Soil			0.5	10.9	9.0	53	<0.1	24.9	6.4	405	2.43	16.3	2.1	1.2	15	<0.1	1.4	0.1	52	0.22	0.052	12
L1300N - 4700E C	Soil			0.3	10.8	10.7	40	<0.1	21.1	7.4	569	2.22	19.0	2.0	1.7	24	0.2	1.1	<0.1	49	0.31	0.040	14
L1300N - 4750E	Soil			0.6	9.3	11.9	47	<0.1	19.9	6.8	569	2.36	24.4	3.2	0.6	19	<0.1	1.4	<0.1	49	0.27	0.051	10
L1300N - 4800E	Soil			0.6	9.2	11.6	46	<0.1	17.8	5.8	454	2.40	32.8	2.4	0.3	20	0.1	1.2	0.1	47	0.14	0.044	10
L1300N - 4850E	Soil			0.5	8.0	11.8	66	<0.1	15.9	5.4	555	2.40	27.8	2.6	0.2	25	0.3	1.4	0.1	46	0.23	0.098	15
L1300N - 4900E	Soil			0.4	8.8	13.1	53	0.1	18.0	6.8	588	2.24	56.7	2.8	0.4	20	0.3	1.7	0.1	47	0.17	0.054	12
L1300N - 4950E	Soil			0.5	11.3	16.1	73	<0.1	21.9	7.6	689	2.75	28.0	2.9	1.5	28	0.6	1.5	0.2	55	0.29	0.055	13
L1300N - 5000E	Soil			0.2	13.9	12.8	150	0.3	25.4	6.6	815	2.34	26.1	2.3	1.5	21	0.4	0.9	0.4	45	0.19	0.060	13
1047N - 4400E	Soil			0.4	10.4	11.0	81	<0.1	20.2	8.3	590	3.16	17.4	1.3	0.6	22	0.3	1.2	0.2	63	0.23	0.054	11
1149N - 4802E	Soil			0.3	9.1	8.4	55	<0.1	15.7	4.5	309	1.97	12.8	2.3	0.8	23	0.1	1.5	<0.1	40	0.34	0.048	14
1250N - 4650E	Soil			0.4	16.1	10.4	61	0.1	23.4	8.4	715	2.79	17.3	2.2	2.2	32	<0.1	1.4	0.1	56	0.53	0.049	26
1250N - 4700E	Soil			0.4	16.3	10.8	74	0.2	21.1	6.2	608	2.68	19.1	1.7	0.5	24	<0.1	0.9	0.1	56	0.48	0.069	30
1247N - 4955E	Soil			0.5	12.8	11.8	88	0.2	17.1	5.6	547	2.82	48.5	4.4	0.5	27	0.4	1.7	0.1	59	0.29	0.085	19



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
L1300N - 4450E	Soil	6	0.29	500	0.012	<1	1.02	0.005	0.11	0.3	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
L1300N - 4500E	Soil	10	0.35	196	0.017	<1	1.56	0.007	0.06	0.2	0.03	1.2	<0.1	<0.05	7	<0.5	<0.2
L1300N - 4550E	Soil	17	0.55	131	0.033	<1	1.78	0.009	0.07	0.1	0.04	2.2	<0.1	<0.05	5	<0.5	<0.2
L1300N - 4600E	Soil	16	0.56	277	0.009	<1	2.16	0.007	0.08	0.1	0.07	0.9	<0.1	<0.05	8	<0.5	<0.2
L1300N - 4650E	Soil	16	0.52	274	0.037	<1	1.57	0.013	0.08	<0.1	0.03	3.9	<0.1	<0.05	5	<0.5	<0.2
L1300N - 4700E B	Soil	22	0.47	174	0.031	1	1.57	0.008	0.07	<0.1	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
L1300N - 4700E C	Soil	17	0.43	209	0.048	<1	1.27	0.009	0.06	<0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
L1300N - 4750E	Soil	18	0.43	197	0.029	<1	1.48	0.009	0.07	0.2	0.03	2.3	<0.1	<0.05	5	<0.5	<0.2
L1300N - 4800E	Soil	18	0.44	144	0.021	<1	1.80	0.007	0.05	0.1	0.03	1.6	<0.1	<0.05	5	<0.5	<0.2
L1300N - 4850E	Soil	15	0.41	161	0.016	<1	2.30	0.008	0.06	0.1	0.06	0.8	<0.1	0.06	7	<0.5	<0.2
L1300N - 4900E	Soil	17	0.40	143	0.027	<1	1.79	0.007	0.06	<0.1	0.07	1.6	<0.1	<0.05	5	<0.5	<0.2
L1300N - 4950E	Soil	19	0.61	123	0.042	<1	2.39	0.011	0.09	0.1	0.05	3.2	0.1	<0.05	6	<0.5	<0.2
L1300N - 5000E	Soil	24	0.55	364	0.009	<1	2.21	0.008	0.13	0.1	0.05	3.2	0.3	<0.05	7	<0.5	<0.2
1047N - 4400E	Soil	19	0.78	147	0.051	<1	1.58	0.006	0.12	0.2	0.03	2.6	<0.1	<0.05	7	<0.5	<0.2
1149N - 4802E	Soil	15	0.41	172	0.018	1	1.68	0.006	0.06	0.1	0.04	2.1	<0.1	<0.05	5	<0.5	<0.2
1250N - 4650E	Soil	22	0.59	466	0.029	<1	1.84	0.010	0.11	0.2	0.05	5.1	<0.1	<0.05	6	<0.5	<0.2
1250N - 4700E	Soil	23	0.50	522	0.011	<1	2.27	0.008	0.09	<0.1	0.04	2.1	<0.1	<0.05	8	<0.5	<0.2
1247N - 4955E	Soil	18	0.61	175	0.029	2	1.92	0.007	0.12	0.2	0.05	2.9	<0.1	<0.05	7	<0.5	<0.2



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QUALITY CONTROL REPORT

VAN13003994.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
Pulp Duplicates																					
L1100N - 3900E	Soil	0.3	9.1	11.0	53	<0.1	18.6	6.8	539	2.27	22.9	<0.5	0.9	17	0.1	3.1	0.1	56	0.26	0.045	13
REP L1100N - 3900E	QC	0.3	8.0	11.4	53	<0.1	16.1	6.0	512	2.24	22.7	0.6	0.9	17	<0.1	2.8	<0.1	54	0.28	0.042	12
L1150N - 4260E	Soil	0.6	9.7	8.5	49	<0.1	21.3	5.8	412	2.43	22.5	1.0	0.9	14	0.1	2.9	0.1	51	0.14	0.032	10
REP L1150N - 4260E	QC	0.4	9.1	8.6	48	<0.1	21.3	5.8	407	2.44	20.0	1.1	1.0	15	0.2	2.7	0.1	50	0.13	0.034	10
L1200N - 4800E	Soil	0.3	5.9	9.3	54	<0.1	12.9	3.9	369	2.00	18.0	<0.5	0.3	15	0.2	1.5	0.1	41	0.15	0.039	8
REP L1200N - 4800E	QC	0.3	5.6	9.5	54	<0.1	13.9	4.4	370	2.08	17.2	<0.5	0.3	15	0.3	1.3	0.1	44	0.15	0.037	8
L1300N - 4050E	Soil	0.4	10.0	9.9	69	<0.1	10.6	5.0	697	2.04	11.1	3.0	<0.1	13	0.2	2.5	0.2	55	0.10	0.093	10
REP L1300N - 4050E	QC	0.5	9.5	9.5	63	0.1	11.4	4.8	683	2.06	9.6	1.0	0.1	13	0.2	2.4	0.2	53	0.09	0.086	10
1247N - 4955E	Soil	0.5	12.8	11.8	88	0.2	17.1	5.6	547	2.82	48.5	4.4	0.5	27	0.4	1.7	0.1	59	0.29	0.085	19
REP 1247N - 4955E	QC	0.6	11.6	11.7	83	0.2	19.7	5.9	534	2.86	49.5	4.0	0.6	27	<0.1	1.5	0.2	61	0.27	0.080	19
Reference Materials																					
STD DS10	Standard	14.3	150.9	155.4	356	1.8	71.4	12.6	858	2.78	44.8	82.9	7.8	67	2.9	9.0	11.8	45	1.09	0.071	19
STD DS10	Standard	14.6	149.0	156.7	362	2.1	76.0	12.3	831	2.73	44.1	78.6	7.6	70	2.5	10.2	12.2	44	1.00	0.074	18
STD DS10	Standard	15.2	161.3	150.9	355	1.9	79.8	12.8	878	2.82	44.1	73.6	7.9	69	2.2	9.6	11.3	47	1.06	0.069	18
STD DS10	Standard	16.0	152.2	153.6	337	2.1	77.9	13.3	831	2.66	42.7	94.4	7.7	66	2.2	9.5	11.7	44	1.06	0.068	18
STD DS10	Standard	15.1	154.4	151.6	348	2.0	76.4	12.1	893	2.69	45.9	91.0	7.8	68	2.9	8.9	11.7	44	1.00	0.078	18
STD OXC109	Standard	1.6	36.0	11.2	36	<0.1	72.8	19.6	410	2.85	1.4	220.2	1.5	145	<0.1	<0.1	<0.1	49	0.72	0.102	12
STD OXC109	Standard	1.2	36.8	10.9	36	<0.1	77.2	19.6	404	2.79	0.7	212.9	1.4	154	<0.1	<0.1	<0.1	50	0.64	0.107	13
STD OXC109	Standard	1.9	35.9	11.3	36	<0.1	77.8	19.6	430	2.83	0.9	211.5	1.5	147	<0.1	<0.1	<0.1	49	0.71	0.095	13
STD OXC109	Standard	1.9	34.7	10.9	37	<0.1	77.3	19.5	395	2.75	<0.5	208.1	1.5	134	<0.1	<0.1	<0.1	48	0.66	0.092	12
STD OXC109	Standard	1.6	38.1	11.3	38	<0.1	77.1	20.1	428	2.91	<0.5	194.6	1.5	146	<0.1	<0.1	<0.1	48	0.69	0.110	12
STD DS10 Expected		14.69	154.61	150.55	352.9	1.96	74.6	12.9	861	2.7188	43.7	91.9	7.5	67.1	2.48	9.51	11.65	43	1.0355	0.073	17.5
STD OXC109 Expected		201																			
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	3	0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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.



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Acme Analytical Laboratories (Vancouver) Ltd.
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
 PHONE (604) 253-3158

Client: **Mountainside Exploration Management**
 4302 Dundas St.
 Burnaby BC V5C 1B3 CANADA

Project: RANCH
 Report Date: October 24, 2013

Page: 1 of 1

Part: 2 of 2

QUALITY CONTROL REPORT

VAN13003994.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																	
L1100N - 3900E	Soil	17	0.52	184	0.026	<1	1.34	0.006	0.08	0.2	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
REP L1100N - 3900E	QC	17	0.52	193	0.026	1	1.50	0.009	0.07	0.1	0.03	3.4	<0.1	<0.05	6	0.9	<0.2
L1150N - 4260E	Soil	20	0.44	154	0.023	1	1.53	0.006	0.07	0.2	0.04	2.9	<0.1	<0.05	6	<0.5	<0.2
REP L1150N - 4260E	QC	20	0.44	159	0.024	<1	1.46	0.006	0.07	0.1	0.04	2.6	<0.1	<0.05	5	<0.5	<0.2
L1200N - 4800E	Soil	14	0.39	119	0.026	1	1.19	0.006	0.06	0.2	0.05	1.4	<0.1	<0.05	5	<0.5	<0.2
REP L1200N - 4800E	QC	13	0.39	121	0.031	1	1.20	0.006	0.07	0.2	0.08	1.8	<0.1	<0.05	5	<0.5	<0.2
L1300N - 4050E	Soil	16	0.46	118	0.025	2	1.64	0.006	0.07	0.2	0.06	1.0	0.1	<0.05	8	<0.5	<0.2
REP L1300N - 4050E	QC	16	0.43	115	0.025	2	1.60	0.007	0.07	0.2	0.04	1.0	<0.1	<0.05	7	<0.5	<0.2
1247N - 4955E	Soil	18	0.61	175	0.029	2	1.92	0.007	0.12	0.2	0.05	2.9	<0.1	<0.05	7	<0.5	<0.2
REP 1247N - 4955E	QC	19	0.59	177	0.032	3	1.87	0.006	0.11	0.2	0.05	2.5	<0.1	<0.05	8	<0.5	<0.2
Reference Materials																	
STD DS10	Standard	54	0.81	362	0.083	5	1.08	0.056	0.35	3.2	0.28	3.2	5.2	0.27	5	1.1	4.5
STD DS10	Standard	53	0.81	364	0.079	6	1.07	0.058	0.33	3.5	0.28	2.9	5.1	0.27	4	2.5	5.2
STD DS10	Standard	60	0.80	370	0.087	6	1.13	0.058	0.36	3.3	0.32	3.0	4.8	0.30	4	2.0	5.1
STD DS10	Standard	57	0.81	372	0.081	6	1.06	0.059	0.33	3.4	0.24	2.8	4.9	0.28	4	1.8	4.3
STD DS10	Standard	57	0.80	384	0.079	5	1.03	0.065	0.33	2.8	0.30	3.0	5.0	0.27	6	1.7	6.2
STD OXC109	Standard	58	1.39	54	0.388	<1	1.58	0.666	0.40	0.2	<0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
STD OXC109	Standard	58	1.45	58	0.373	2	1.53	0.706	0.40	0.2	<0.01	0.8	<0.1	<0.05	6	0.5	<0.2
STD OXC109	Standard	60	1.38	57	0.391	<1	1.52	0.642	0.42	0.2	<0.01	0.8	<0.1	<0.05	6	<0.5	<0.2
STD OXC109	Standard	58	1.28	57	0.365	2	1.39	0.612	0.39	0.2	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
STD OXC109	Standard	59	1.55	54	0.380	2	1.46	0.654	0.41	0.2	<0.01	1.1	<0.1	<0.05	6	<0.5	<0.2
STD DS10 Expected		54.6	0.7651	349	0.0817		1.0259	0.0638	0.3245	3.34	0.289	2.8	4.79	0.2743	4.3	2.3	4.89
STD OXC109 Expected																	
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	1	<0.5	<0.2

APPENDIX C

Laboratory Certificates

For 2013 Rock Samples



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Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Plateau Minerals Corp.**
7 - 1750 Quinn St. S.
Prince George BC V2N 1X3 CANADA

Submitted By: Bob Lane
Receiving Lab: Canada-Vancouver
Received: September 20, 2013
Report Date: October 05, 2013
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN13003805.1

CLIENT JOB INFORMATION

Project: RANCH
Shipment ID:
P.O. Number NA-13354
Number of Samples: 14

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	14	Crush, split and pulverize 250 g rock to 200 mesh			VAN
1DX2	14	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

ADDITIONAL COMMENTS

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

Invoice To: Mountainside Exploration Management
4302 Dundas St.
Burnaby BC V5C 1B3
Canada

CC: Scott Gifford
Barney Bowen



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.



www.acmelab.com

Acme Analytical Laboratories (Vancouver) Ltd.
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
 PHONE (604) 253-3158

Client: **Plateau Minerals Corp.**
 7 - 1750 Quinn St. S.
 Prince George BC V2N 1X3 CANADA

Project: RANCH
 Report Date: October 05, 2013

Page: 2 of 2

Part: 1 of 2

CERTIFICATE OF ANALYSIS

VAN13003805.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
BBR-001R	Rock	1.04	28.7	56.2	15.9	3	1.8	1.0	0.2	31	0.53	48.1	1102	0.3	100	<0.1	13.5	1.6	<2	<0.01	0.002
BBR-002R	Rock	1.61	286.3	33.9	18.8	122	6.6	3.9	4.9	30	1.60	16.9	2743	0.9	69	0.2	22.5	26.6	<2	<0.01	0.016
BB-003R	Rock	1.23	6.5	4.6	5.3	<1	0.4	1.4	0.2	31	0.40	1.2	10.5	<0.1	4	<0.1	0.8	<0.1	<2	<0.01	0.002
BB-004R	Rock	1.30	4.3	2.1	4.3	1	0.7	0.7	0.1	23	0.32	2.6	1150	<0.1	252	<0.1	1.7	<0.1	8	<0.01	0.002
BBR-005R	Rock	1.41	2.8	2.0	6.3	<1	0.3	1.1	0.1	30	0.33	0.8	3.5	<0.1	27	<0.1	0.6	<0.1	3	<0.01	0.002
BBR-006R	Rock	1.36	2.7	1.9	2.5	<1	0.2	0.9	0.2	34	0.40	0.8	6.8	0.1	19	<0.1	0.4	<0.1	2	<0.01	0.002
BB-007R	Rock	1.30	1.1	18.0	3.8	93	<0.1	2.6	6.9	1000	3.07	3.2	1.4	2.1	14	0.7	0.4	<0.1	92	0.16	0.074
BB8-008R	Rock	1.92	9.5	6.4	10.2	1	4.1	1.2	0.4	44	0.88	13.1	223.6	0.1	31	<0.1	12.0	1.1	2	<0.01	0.006
BBR-009R	Rock	1.30	3.2	1.7	33.2	<1	3.3	0.9	0.1	26	0.30	2.0	80725	<0.1	158	<0.1	0.5	<0.1	<2	<0.01	0.004
BBR-010R	Rock	1.00	1.1	2.8	2.1	13	0.5	0.7	0.3	52	0.46	2.0	8.1	0.2	5	<0.1	2.0	<0.1	2	<0.01	0.004
BB-011R	Rock	1.71	0.5	2.4	1.9	9	0.1	1.4	0.3	39	0.40	4.1	113.2	0.2	8	<0.1	2.3	0.1	<2	<0.01	0.001
BBR-012R	Rock	0.60	2.4	6.5	13.7	5	0.7	0.7	0.4	156	0.45	4.8	1597	0.2	145	<0.1	8.8	3.2	<2	<0.01	0.005
BBR-013R	Rock	0.72	0.3	21.4	16.8	8	0.2	0.7	1.0	42	0.31	9.7	10.1	0.4	29	<0.1	0.6	0.3	15	0.04	0.030
BBR-014R	Rock	3.05	13.7	60.0	980.3	5	49.5	1.1	4.1	31	0.82	69.1	>100000	0.3	227	0.2	9.7	2.7	7	0.05	0.023

CERTIFICATE OF ANALYSIS

VAN13003805.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
BBR-001R	Rock	1	16	<0.01	3641	0.001	3	0.05	0.001	0.02	0.2	20.32	0.3	<0.1	0.08	<1	1.1	16.7
BBR-002R	Rock	<1	7	<0.01	2211	0.001	23	0.19	0.005	0.02	0.3	>50	0.6	<0.1	0.10	<1	67.0	304.5
BB-003R	Rock	<1	44	<0.01	275	0.003	1	0.01	<0.001	<0.01	0.3	0.65	<0.1	<0.1	<0.05	<1	<0.5	0.2
BB-004R	Rock	<1	6	<0.01	3107	<0.001	2	0.01	<0.001	<0.01	0.3	0.82	<0.1	<0.1	0.08	<1	0.6	0.8
BBR-005R	Rock	<1	35	<0.01	3997	0.003	1	0.03	<0.001	<0.01	0.2	0.09	0.1	<0.1	0.07	<1	<0.5	<0.2
BBR-006R	Rock	<1	11	<0.01	2651	0.002	1	0.02	<0.001	<0.01	0.2	0.28	0.1	<0.1	<0.05	<1	<0.5	<0.2
BB-007R	Rock	7	5	0.65	72	0.142	2	0.91	0.057	0.13	0.2	0.25	5.6	<0.1	1.73	4	<0.5	<0.2
BB8-008R	Rock	<1	21	<0.01	2756	0.003	1	<0.01	<0.001	0.02	0.5	0.26	0.2	<0.1	0.12	<1	4.9	0.4
BBR-009R	Rock	<1	19	<0.01	2992	0.002	<1	<0.01	0.001	<0.01	0.3	0.06	0.1	<0.1	0.08	<1	<0.5	<0.2
BBR-010R	Rock	<1	9	<0.01	110	0.002	1	0.11	<0.001	0.02	0.1	0.07	0.4	<0.1	<0.05	<1	<0.5	<0.2
BB-011R	Rock	<1	32	<0.01	678	0.004	1	0.04	<0.001	<0.01	<0.1	0.07	0.5	<0.1	<0.05	<1	<0.5	<0.2
BBR-012R	Rock	<1	6	<0.01	3697	0.001	1	0.03	<0.001	<0.01	<0.1	0.32	0.2	<0.1	0.08	<1	0.6	3.7
BBR-013R	Rock	<1	8	<0.01	548	<0.001	<1	0.38	<0.001	<0.01	<0.1	0.02	0.6	<0.1	<0.05	5	<0.5	<0.2
BBR-014R	Rock	<1	6	<0.01	127	<0.001	1	0.13	<0.001	0.07	0.1	0.69	0.9	0.1	0.60	<1	1.3	1.6

QUALITY CONTROL REPORT

VAN13003805.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
BB-003R	Rock	1.23	6.5	4.6	5.3	<1	0.4	1.4	0.2	31	0.40	1.2	10.5	<0.1	4	<0.1	0.8	<0.1	<2	<0.01	0.002
REP BB-003R	QC		6.6	4.9	5.6	<1	0.5	1.3	0.2	33	0.42	1.5	11.1	<0.1	4	<0.1	0.9	<0.1	<2	<0.01	0.002
BBR-014R	Rock	3.05	13.7	60.0	980.3	5	49.5	1.1	4.1	31	0.82	69.1>100000	0.3	227	0.2	9.7	2.7	7	0.05	0.023	
REP BBR-014R	QC		14.1	60.0	954.9	5	51.8	1.2	4.2	31	0.82	68.6>100000	0.2	168	0.4	9.8	2.7	7	0.05	0.022	
Reference Materials																					
STD DS9	Standard		13.3	106.5	107.7	309	1.9	38.9	7.5	573	2.26	24.5	127.0	5.2	62	2.1	5.2	5.5	42	0.72	0.081
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank		<0.1	<0.1	0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
Prep Wash																					
G1	Prep Blank		<0.1	1.4	2.2	44	<0.1	3.5	3.9	538	1.84	<0.5	1.9	4.1	56	<0.1	<0.1	<0.1	37	0.43	0.074
G1	Prep Blank		<0.1	1.5	2.0	42	<0.1	3.3	3.7	498	1.69	<0.5	0.9	3.9	52	<0.1	<0.1	<0.1	33	0.41	0.073

QUALITY CONTROL REPORT

VAN13003805.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
BB-003R	Rock	<1	44	<0.01	275	0.003	1	0.01	<0.001	<0.01	0.3	0.65	<0.1	<0.1	<0.05	<1	<0.5	0.2
REP BB-003R	QC	<1	43	<0.01	282	0.003	2	0.01	<0.001	<0.01	0.3	0.56	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BBR-014R	Rock	<1	6	<0.01	127	<0.001	1	0.13	<0.001	0.07	0.1	0.69	0.9	0.1	0.60	<1	1.3	1.6
REP BBR-014R	QC	<1	5	<0.01	129	<0.001	<1	0.13	<0.001	0.07	0.1	0.72	0.9	0.1	0.61	<1	1.4	1.7
Reference Materials																		
STD DS9	Standard	14	118	0.60	304	0.117	3	0.96	0.085	0.40	3.0	0.20	2.5	5.2	0.17	5	5.2	5.2
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																		
G1	Prep Blank	9	6	0.53	219	0.116	3	0.92	0.073	0.46	<0.1	<0.01	2.3	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank	8	5	0.49	207	0.100	3	0.85	0.066	0.44	<0.1	0.01	2.2	0.3	<0.05	4	<0.5	<0.2



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9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Plateau Minerals Corp.**
7 - 1750 Quinn St. S.
Prince George BC V2N 1X3 CANADA

Submitted By: Bob Lane
Receiving Lab: Canada-Vancouver
Received: September 20, 2013
Report Date: October 14, 2013
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN13003805.2

CLIENT JOB INFORMATION

Project: RANCH
Shipment ID:
P.O. Number NA-13354
Number of Samples: 14

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

Invoice To: Mountainside Exploration Management
4302 Dundas St.
Burnaby BC V5C 1B3
Canada

CC: Scott Gifford
Barney Bowen

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	14	Crush, split and pulverize 250 g rock to 200 mesh			VAN
1DX2	14	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
G6	2	Lead collection fire assay fusion - Grav finish	30	Completed	VAN

ADDITIONAL COMMENTS

Version 2 : G6Gra included.



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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Acme Analytical Laboratories (Vancouver) Ltd.
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
 PHONE (604) 253-3158

Client: **Plateau Minerals Corp.**
 7 - 1750 Quinn St. S.
 Prince George BC V2N 1X3 CANADA

Project: RANCH
 Report Date: October 14, 2013

Page: 2 of 2

Part: 1 of 2

CERTIFICATE OF ANALYSIS

VAN13003805.2

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
BBR-001R	Rock	1.04	28.7	56.2	15.9	3	1.8	1.0	0.2	31	0.53	48.1	1102	0.3	100	<0.1	13.5	1.6	<2	<0.01	0.002
BBR-002R	Rock	1.61	286.3	33.9	18.8	122	6.6	3.9	4.9	30	1.60	16.9	2743	0.9	69	0.2	22.5	26.6	<2	<0.01	0.016
BB-003R	Rock	1.23	6.5	4.6	5.3	<1	0.4	1.4	0.2	31	0.40	1.2	10.5	<0.1	4	<0.1	0.8	<0.1	<2	<0.01	0.002
BB-004R	Rock	1.30	4.3	2.1	4.3	1	0.7	0.7	0.1	23	0.32	2.6	1150	<0.1	252	<0.1	1.7	<0.1	8	<0.01	0.002
BBR-005R	Rock	1.41	2.8	2.0	6.3	<1	0.3	1.1	0.1	30	0.33	0.8	3.5	<0.1	27	<0.1	0.6	<0.1	3	<0.01	0.002
BBR-006R	Rock	1.36	2.7	1.9	2.5	<1	0.2	0.9	0.2	34	0.40	0.8	6.8	0.1	19	<0.1	0.4	<0.1	2	<0.01	0.002
BB-007R	Rock	1.30	1.1	18.0	3.8	93	<0.1	2.6	6.9	1000	3.07	3.2	1.4	2.1	14	0.7	0.4	<0.1	92	0.16	0.074
BB8-008R	Rock	1.92	9.5	6.4	10.2	1	4.1	1.2	0.4	44	0.88	13.1	223.6	0.1	31	<0.1	12.0	1.1	2	<0.01	0.006
BBR-009R	Rock	1.30	3.2	1.7	33.2	<1	3.3	0.9	0.1	26	0.30	2.0	80725	<0.1	158	<0.1	0.5	<0.1	<2	<0.01	0.004
BBR-010R	Rock	1.00	1.1	2.8	2.1	13	0.5	0.7	0.3	52	0.46	2.0	8.1	0.2	5	<0.1	2.0	<0.1	2	<0.01	0.004
BB-011R	Rock	1.71	0.5	2.4	1.9	9	0.1	1.4	0.3	39	0.40	4.1	113.2	0.2	8	<0.1	2.3	0.1	<2	<0.01	0.001
BBR-012R	Rock	0.60	2.4	6.5	13.7	5	0.7	0.7	0.4	156	0.45	4.8	1597	0.2	145	<0.1	8.8	3.2	<2	<0.01	0.005
BBR-013R	Rock	0.72	0.3	21.4	16.8	8	0.2	0.7	1.0	42	0.31	9.7	10.1	0.4	29	<0.1	0.6	0.3	15	0.04	0.030
BBR-014R	Rock	3.05	13.7	60.0	980.3	5	49.5	1.1	4.1	31	0.82	69.1	>100000	0.3	227	0.2	9.7	2.7	7	0.05	0.023

CERTIFICATE OF ANALYSIS

VAN13003805.2

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	G6Gr
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	0.9	
BBR-001R	Rock	1	16	<0.01	3641	0.001	3	0.05	0.001	0.02	0.2	20.32	0.3	<0.1	0.08	<1	1.1	16.7	
BBR-002R	Rock	<1	7	<0.01	2211	0.001	23	0.19	0.005	0.02	0.3	>50	0.6	<0.1	0.10	<1	67.0	304.5	
BB-003R	Rock	<1	44	<0.01	275	0.003	1	0.01	<0.001	<0.01	0.3	0.65	<0.1	<0.1	<0.05	<1	<0.5	0.2	
BB-004R	Rock	<1	6	<0.01	3107	<0.001	2	0.01	<0.001	<0.01	0.3	0.82	<0.1	<0.1	0.08	<1	0.6	0.8	
BBR-005R	Rock	<1	35	<0.01	3997	0.003	1	0.03	<0.001	<0.01	0.2	0.09	0.1	<0.1	0.07	<1	<0.5	<0.2	
BBR-006R	Rock	<1	11	<0.01	2651	0.002	1	0.02	<0.001	<0.01	0.2	0.28	0.1	<0.1	<0.05	<1	<0.5	<0.2	
BB-007R	Rock	7	5	0.65	72	0.142	2	0.91	0.057	0.13	0.2	0.25	5.6	<0.1	1.73	4	<0.5	<0.2	
BB8-008R	Rock	<1	21	<0.01	2756	0.003	1	<0.01	<0.001	0.02	0.5	0.26	0.2	<0.1	0.12	<1	4.9	0.4	
BBR-009R	Rock	<1	19	<0.01	2992	0.002	<1	<0.01	0.001	<0.01	0.3	0.06	0.1	<0.1	0.08	<1	<0.5	<0.2	67.4
BBR-010R	Rock	<1	9	<0.01	110	0.002	1	0.11	<0.001	0.02	0.1	0.07	0.4	<0.1	<0.05	<1	<0.5	<0.2	
BB-011R	Rock	<1	32	<0.01	678	0.004	1	0.04	<0.001	<0.01	<0.1	0.07	0.5	<0.1	<0.05	<1	<0.5	<0.2	
BBR-012R	Rock	<1	6	<0.01	3697	0.001	1	0.03	<0.001	<0.01	<0.1	0.32	0.2	<0.1	0.08	<1	0.6	3.7	
BBR-013R	Rock	<1	8	<0.01	548	<0.001	<1	0.38	<0.001	<0.01	<0.1	0.02	0.6	<0.1	<0.05	5	<0.5	<0.2	
BBR-014R	Rock	<1	6	<0.01	127	<0.001	1	0.13	<0.001	0.07	0.1	0.69	0.9	0.1	0.60	<1	1.3	1.6	275.3



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 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
 PHONE (604) 253-3158

Client: **Plateau Minerals Corp.**
 7 - 1750 Quinn St. S.
 Prince George BC V2N 1X3 CANADA

Project: RANCH
 Report Date: October 14, 2013

Page: 1 of 1

Part: 1 of 2

QUALITY CONTROL REPORT

VAN13003805.2

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
BB-003R	Rock	1.23	6.5	4.6	5.3	<1	0.4	1.4	0.2	31	0.40	1.2	10.5	<0.1	4	<0.1	0.8	<0.1	<2	<0.01	0.002
REP BB-003R	QC		6.6	4.9	5.6	<1	0.5	1.3	0.2	33	0.42	1.5	11.1	<0.1	4	<0.1	0.9	<0.1	<2	<0.01	0.002
BBR-014R	Rock	3.05	13.7	60.0	980.3	5	49.5	1.1	4.1	31	0.82	69.1	>100000	0.3	227	0.2	9.7	2.7	7	0.05	0.023
REP BBR-014R	QC		14.1	60.0	954.9	5	51.8	1.2	4.2	31	0.82	68.6	>100000	0.2	168	0.4	9.8	2.7	7	0.05	0.022
Reference Materials																					
STD DS9	Standard		13.3	106.5	107.7	309	1.9	38.9	7.5	573	2.26	24.5	127.0	5.2	62	2.1	5.2	5.5	42	0.72	0.081
STD SP49	Standard																				
STD SP49	Standard																				
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
STD SP49 Expected																					
BLK	Blank		<0.1	<0.1	0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank																				
Prep Wash																					
G1	Prep Blank		<0.1	1.4	2.2	44	<0.1	3.5	3.9	538	1.84	<0.5	1.9	4.1	56	<0.1	<0.1	<0.1	37	0.43	0.074
G1	Prep Blank		<0.1	1.5	2.0	42	<0.1	3.3	3.7	498	1.69	<0.5	0.9	3.9	52	<0.1	<0.1	<0.1	33	0.41	0.073

QUALITY CONTROL REPORT

VAN13003805.2

Method	Analyte	Unit	MDL	1DX15 La	1DX15 Cr	1DX15 Mg	1DX15 Ba	1DX15 Ti	1DX15 B	1DX15 Al	1DX15 Na	1DX15 K	1DX15 W	1DX15 Hg	1DX15 Sc	1DX15 Tl	1DX15 S	1DX15 Ga	1DX15 Se	1DX15 Te	G6Gr Au
				ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t
				1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	0.9	
Pulp Duplicates																					
BB-003R	Rock			<1	44	<0.01	275	0.003	1	0.01	<0.001	<0.01	0.3	0.65	<0.1	<0.1	<0.05	<1	<0.5	0.2	
REP BB-003R	QC			<1	43	<0.01	282	0.003	2	0.01	<0.001	<0.01	0.3	0.56	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BBR-014R	Rock			<1	6	<0.01	127	<0.001	1	0.13	<0.001	0.07	0.1	0.69	0.9	0.1	0.60	<1	1.3	1.6	275.3
REP BBR-014R	QC			<1	5	<0.01	129	<0.001	<1	0.13	<0.001	0.07	0.1	0.72	0.9	0.1	0.61	<1	1.4	1.7	285.7
Reference Materials																					
STD DS9	Standard			14	118	0.60	304	0.117	3	0.96	0.085	0.40	3.0	0.20	2.5	5.2	0.17	5	5.2	5.2	
STD SP49	Standard																				18.2
STD SP49	Standard																				18.3
STD DS9 Expected				13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02	
STD SP49 Expected																					18.34
BLK	Blank			<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank																				<0.9
Prep Wash																					
G1	Prep Blank			9	6	0.53	219	0.116	3	0.92	0.073	0.46	<0.1	<0.01	2.3	0.3	<0.05	5	<0.5	<0.2	
G1	Prep Blank			8	5	0.49	207	0.100	3	0.85	0.066	0.44	<0.1	0.01	2.2	0.3	<0.05	4	<0.5	<0.2	



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Client: Plateau Minerals Corp.
7 - 1750 Quinn St. S.
Prince George BC V2N 1X3 CANADA

Submitted By: Bob Lane
Receiving Lab: Canada-Vancouver
Received: October 23, 2013
Report Date: October 28, 2013
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN13003805P.1

CLIENT JOB INFORMATION

Project: RANCH
Shipment ID:
P.O. Number NA-13354
Number of Samples: 2

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
P200	2	Pulverize to 85% passing 200 mesh			VAN
G6	2	Lead collection fire assay fusion - Grav finish	30	Completed	VAN

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

ADDITIONAL COMMENTS

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

Invoice To: Mountainside Exploration Management
4302 Dundas St.
Burnaby BC V5C 1B3
CANADA

CC: Scott Gifford
Barney Bowen



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



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Client: Plateau Minerals Corp.
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Prince George BC V2N 1X3 CANADA

Project: RANCH
Report Date: October 28, 2013

Page: 2 of 2

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13003805P.1

Method	G6Gr
Analyte	Au
Unit	gm/t
MDL	0.9
BBR-009R	Rock Reject 69.0
BBR-014R	Rock Reject 272.2



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Project: RANCH
Report Date: October 28, 2013

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QUALITY CONTROL REPORT

VAN13003805P.1

	Method	G6Gr
Analyte	Au	
Unit	gm/t	
MDL	0.9	
Pulp Duplicates		
BBR-014R	Rock Reject	272.2
REP BBR-014R	QC	236.2
Reference Materials		
STD SP49	Standard	18.3
STD SP49 Expected		18.34
BLK	Blank	<0.9
Prep Wash		
G1	Prep Blank	<0.9