ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: 2014 Geological and Geochemical Report for the Vulcan Property

TOTAL COST: $21,000.00

AUTHOR(S): M. McCuaig
SIGNATURE(S):

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): N/A
STATEMENT OF WORK EVENT NUMBER(S)/DATE(S): 5532036

YEAR OF WORK: 2014

PROPERTY NAME: Vulcan

CLAIM NAME(S) (on which work was done): JURAK 1 (398960), VC (406826), VC (406827), VC (408454), VC (408455).

COMMODITIES SOUGHT: Ag, Pb, Zn

MINERAL INVENTORY MINFILE NUMBER(S),IF KNOWN: 82FNE093, 82FNE103; 82FNE102, 082FNE101,

MINING DIVISION: Ft. Steele
NTS / BCGS: 82F016 (1:50K)
LATITUDE: ___49___ ° __48__ ’
LONGITUDE: ___116___ ° __18__ ’ (at centre of work)
UTM Zone: 11N EASTING: **549787** NORTHING: **5517606**

OWNER(S): Eagle Plains Resources Ltd.

MAILING ADDRESS: **Suite 200, 44 – 12th Ave. S.**
Cranbrook, BC V1C 2R7

OPERATOR(S) [who paid for the work]: TerraLogic Exploration Inc.

MAILING ADDRESS: **Suite 200, 44 – 12th Ave. S.**
Cranbrook, BC V1C 2R7

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude. **Do not use abbreviations or codes**) Belt-Purcell, Aldridge, Proterozoic, Tourmaline, Calc-Silicate, Sericite, Sedimentary exhalative silver-lead-zinc+/-copper mineralization, Sullivan Horizon (Lower – Middle Aldridge Formation Contact).

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 28185, 28939, 32852, 33554,

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	1:10,000 ~ 1 km 2	398960,408455	$1,000.00
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for …)			
Soil	210	408455	$3000.00
Silt	4	408455	$500.00
Rock	2	398960,408455	$250.00
Other	Equipment & Transportation		$3,022.60
DRILLING (total metres, number of holes, size, storage location)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling / Assaying		398960,408455	$4,933.05
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale/area)			
PREPATORY / PHYSICAL			
Line/grid (km)			
Topo/Photogrammetric (scale, area)			
Legal Surveys (scale, area)			
Road, local access (km)/trail			
Trench (number/metres)			
Underground development (metres)			
Other	Management, Report Preparation & Admin Fees		$8,294.35
		TOTAL COST	$21,000.00

2014 GEOLOGICAL & GEOCHEMICAL REPORT FOR THE VULCAN PROPERTY

Fort Steele Mining Division, Southeastern B.C.
NTS Mapsheet 82F016
Latitude 49°48’ N, Longitude 116°18' W

Prepared for

Eagle Plains Resources Ltd.
Suite 200, 44-12th Avenue South
Cranbrook, British Columbia
V1C 2R7

By

Mike McCuaig, P. Geo.
TerraLogic Exploration Inc.
Suite 200, 44-12th Avenue South
Cranbrook, British Columbia
V1C 2R7

December 12th, 2014

SUMMARY

The Vulcan property is located in the Purcell Mountains approximately 30 km northwest of the historic Sullivan Mine at Kimberley, B.C. The property consists of 5 claims and is 100% owned by Eagle Plains Resources with no underlying royalties or encumbrances.

The principle exploration target on the property is a Sullivan-type stratiform sediment-hosted massive sulfide deposit. The Sullivan Mine has produced 144 million tons of ore averaging 6.5% Pb, 5.6% Zn and 2.3 opt Ag to 1988. At the Vulcan, the styles of mineralization, host rocks and alteration all show strong similarities to the Sullivan Deposit. The best sulfide mineralization at Vulcan is exposed in a surface showing. Strata controlled pyrrhotite-galena-sphalerite occurs on the "Sullivan Horizon" in a 7.5 m thick zone which includes 1.5 m averaging 1.6% combined Pb-Zn. Grab samples of this zone assay up to 5.5% Pb-Zn and 22 opt Ag.

The Vulcan property and its surrounding geology has been tested by historic drilling on a few separate occasions. The most comprehensive testing occurred in the early 1990's by Ascot Resources. In 1991 a five hole 1,003m total drill program was completed; all holes excepting Vu-91-4 were drilled within the current boundaries of the Vulcan property. In 1992 three holes were drilled to the west of the Jurak 1 claim in the West Basin area. The West Basin program, totaling 1535m of drilling, explored the Lower-Middle Aldridge contact (LMC) to depths of 300m, roughly 600-800m down-dip of 1991 intersections. Though 1992 drilling indicated the presence of Sullivan-type stratigraphy and alteration in all holes, significant base-metal mineralization was not encountered. The down dip extension of the 1991 holes on the Vulcan Property remains untested.

Work conducted on the Vulcan property in 2005 included reprocessing and reinterpretation of 1995 EM geophysical data and the development and implementation of a GIS database. In 2005, as part of a data compilation on an unrelated project in SE BC, Eagle Plains requested an independent contractor, Condor Geophysics, to verify and reprocess Geoterrex-Dighem (now Fugro Airborne Surveys) EM survey data collected in 1995 by a joint partnership between BC Ministry of Employment and Investment, Energy and Minerals division, BC Geological Survey Branch and the Geological Survey of Canada. During the course of the data verification by Condor, it was found that the GPS height and the barometric altimeter height were both corrupted, rendering the original geophysical maps and related data included in the 1996 public release highly suspect, if not worthless. After considerable effort Condor was able to arrange for the government to supply replacement SRTM (Shuttle Radar Topography Mission) elevation data that has reasonable resolution and based on this new data set were able to produce a new interpretation of the 1995 data. As the 1995 survey also covered the Vulcan claim area Eagle Plains contracted Condor to correct and reinterpret the EM data for the area referred to as the St. Mary Block. Compilation work included scanning, rectifying and digitizing the historic geology maps, creating a drill-hole database, imputing the historic drill logs, and the creation and interpretation of new sections. A geochemistry database was also implemented utilizing historic rock, silt and soil sample data. The geochemistry and drill-hole databases allow for a more organized approach to the interpretation of the geology of the Vulcan.

Based on the results from the 2005 program, further work was recommended for the property to better define the down-dip projection of the Lower-Middle Aldridge contact, the stratigraphic horizon that hosts the nearby Sullivan deposit. In 2006, Eagle Plains carried out a helicopter borne time domain geophysical survey on the project. A total of 125.51 line km at 200m spacing was flown on April 29th 2006. Initial results from the survey indicate that the survey imaged the known mineralized structures and has also identified areas for further follow up. The total cost of the 2006 program was $39,178.84.

In 2011, Fugro Airborne was contracted to conduct a 318 line km heliborne gravity gradiometry (AGG) survey of the Vulcan property with a North-South transverse line spacing of 100m and 2000m spaced

tie lines. The survey was successful in identifying possible discordant structures spatially associated with the Hilo 2 showing. The nature of the gravity high remains unknown but could represent a mineralized structure associated with proterozoic growth faults that has not been detected at surface. The total cost of the 2011 exploration program was approximately $118,583.19.

In 2012 a small work program consisted of completing due diligence work to confirm the historical results at the Hilo 3 showing along with doing geological evaluation on the showing and most prospective location to put a drill pad to test the down dip extension of the mineralization. The sample collected at the showing returned 10.6 g/t Ag, 0.9% Pb and 0.7 % Zn over 1 m. The total cost of the 2012 exploration program was approximately $10,800.00.

The 2014 work program consisted of soil and silt geochemical surveys focused on the Lower-Middle Aldridge contact (LMC) on the eastern limb of the Vulcan anticline. A total of 210 soil samples from 8 contour lines, 4 silt samples and 2 rock samples were collected during the two-day field program. The soil geochemical survey successfully defined a 800 metre long 100 metre wide multi-element geochemical anomaly (Pb-Zn) in proximity to the projected LMC horizon. The total cost of the 2014 exploration program was $21,000.00.

The Vulcan Project holds potential to host SEDEX type mineralization at “Sullivan time” with samples collected on the property returning up to 1.6 % combined Pb-Zn over 1.5 metres from the time equivalent LMC or Sullivan stratigraphic horizon.

Future exploration on the Vulcan Project is warranted and the following recommendation should serve as a guide to focus future exploration on the property:

Phase I

- Obtain a permit from BCMEM for mechanized work (diamond drilling) on the Vulcan claims;
- All remaining drill hole data for the property should be compiled into a modern digital database for planning/modeling purposes;
- Compilation of all ground based geophysical work to compare with airborne survey results would add confidence to geophysical targets;
- Re-logging of key intervals of historic drill core to observe key styles of alteration and mineralization.

Phase II

- The 1991 and 1992 holes on the Vulcan property should be located with a differential GPS to get an accurate location for modeling purposes;
- Continued geological mapping, prospecting, and infill geochemical sampling designed to follow up on geochemical targets coincident with the inferred LMC horizon to identify subsequent areas for diamond drill testing.

Phase III

- A single diamond drill hole, approximately 300-400m in length, should be drilled further to the north of the Main Zone (Hilo 3) to intersect the Sullivan-type mineralization observed and at surface further down dip. The Hilo 3 showing is the highest-priority exploration target on the property as defined to date;
- Computer modeling of surface and diamond drill hole geological data.

Phase I and Phase II programs could be completed for approximately $35,000.00 dollars. Phase III could be completed for approximately $250,000.00 dollars.

Table of Contents

List of Figures

List of Tables

List of Appendices

INTRODUCTION

The Vulcan property is located in the Dewar Creek \ White Creek area 30 km Northwest of Kimberley, in southeastern British Columbia (Figure 1). The claims are centered at approximately Latitude 49°48' N, Longitude 116°18'W on 1:50,000 NTS map sheet 82F016. The Vulcan claims were acquired to cover four strata-bound lead zinc and copper occurrences, hosted in Aldridge Formation siltite and argillite rocks, as well as to cover the deep down dip extensions of the target horizon along the west side of the property.

Tenure

The property consists of 5 legacy claims located in the Fort Steele Mining division. Total property area is 1481 hectares. Refer to Table 1 for a complete list of the tenures and their expiry dates and Figure 2 for their location.

On October 24th, 2011 Eagle Plains Resources Ltd., and Navy Resources Corporation (Navy) executed a formal option agreement. On January 16th, 2014 Eagle Plains Resources Ltd. Announced that the formal option agreement with Navy had been terminated. The property is currently owned 100 % by Eagle Plains Resources Ltd.

There are, to the best knowledge of the author, no liens or encumbrances on the claims. The title was researched using the BC Mineral Titles Division on - line database.

Table 1 – Vulcan Tenure Data

Tenure Number	Claim Name	Map Number	Area (Ha)	Owner	Issue Date (MM/DD/YY)	Good to Date* (MM/DD/YY)
398960	JURAK 1	082F016	390	Eagle Plains Resources Ltd. (100%)	12/16/02	11/19/16
408455	VC	082F016	450	Eagle Plains Resources Ltd. (100%)	03/03/04	11/19/16
408454	VC	082F016	450	Eagle Plains Resources Ltd. (100%)	03/03/04	11/19/16
406827	VC	082F016	41	Eagle Plains Resources Ltd. (100%)	11/21/03	11/19/16
406826	VC	082F016	150	Eagle Plains Resources Ltd. (100%)	11/21/03	11/19/16

*Upon government approval of this report.

Location

The Vulcan property is located in the Dewar Creek \ White Creek area 30 km North West of Kimberley, in southeastern British Columbia. The claims are centered at approximately Latitude 49°48' N, Longitude 116°18'W on Map sheet 082F016 (Figure 1).

Accessibility, Climate, Local Resources, Infrastructure and Physiography

Access

The property is accessible by road, by proceeding 50 km west of Kimberley on the St. Mary Lake and River Forest Service roads, then 8 km north on the Dewar Creek logging road. A 4 x 4 access road was built by Cominco in 1979 to access the West Basin area; the road extends 2.5 km east of the Dewar Creek road 8 km marker and into the Vulcan property. The road has steep (+15%) grades and several

tight switchbacks; its current condition is unknown. This road extends to an alpine meadow at 2,025 m elevation, and ends in West Basin, approx. 1.5 km northwest of the peak of Mt. Patrick, on the Jurak 1 claim. Access to Jurak Lake basin is by an old pack trail (2 hours on foot from the end of the road). The eastern half of the property can also be accessed by traveling approximately 15km north on the White Creek logging road.

The West Basin 4X4 road was restored and water barred at the close of the 1992 program, but still provides a popular recreational access route to St. Mary Alpine Park. Alternate access to the alpine portions of the property is by helicopter charter from Cranbrook, B.C. (0.35 hrs one way), or from a helicopter base near the east end of St. Mary Lake (0.20 hrs one way).

Local Resources and Infrastructure

Rail facilities are located at Cranbrook, 50km south east of the property, which could be used to ship ore to the Teck-Cominco smelter at Trail, B.C., approximately 130 kilometers west of the Vulcan property. Direct air service is provided from Calgary and Vancouver to the Cranbrook Airport, located approximately 40 kilometers east of the property. There is a well established mining support industry in the area, to service the SE British Columbia coal mines and, until 2001, the Sullivan Mine in Kimberley.

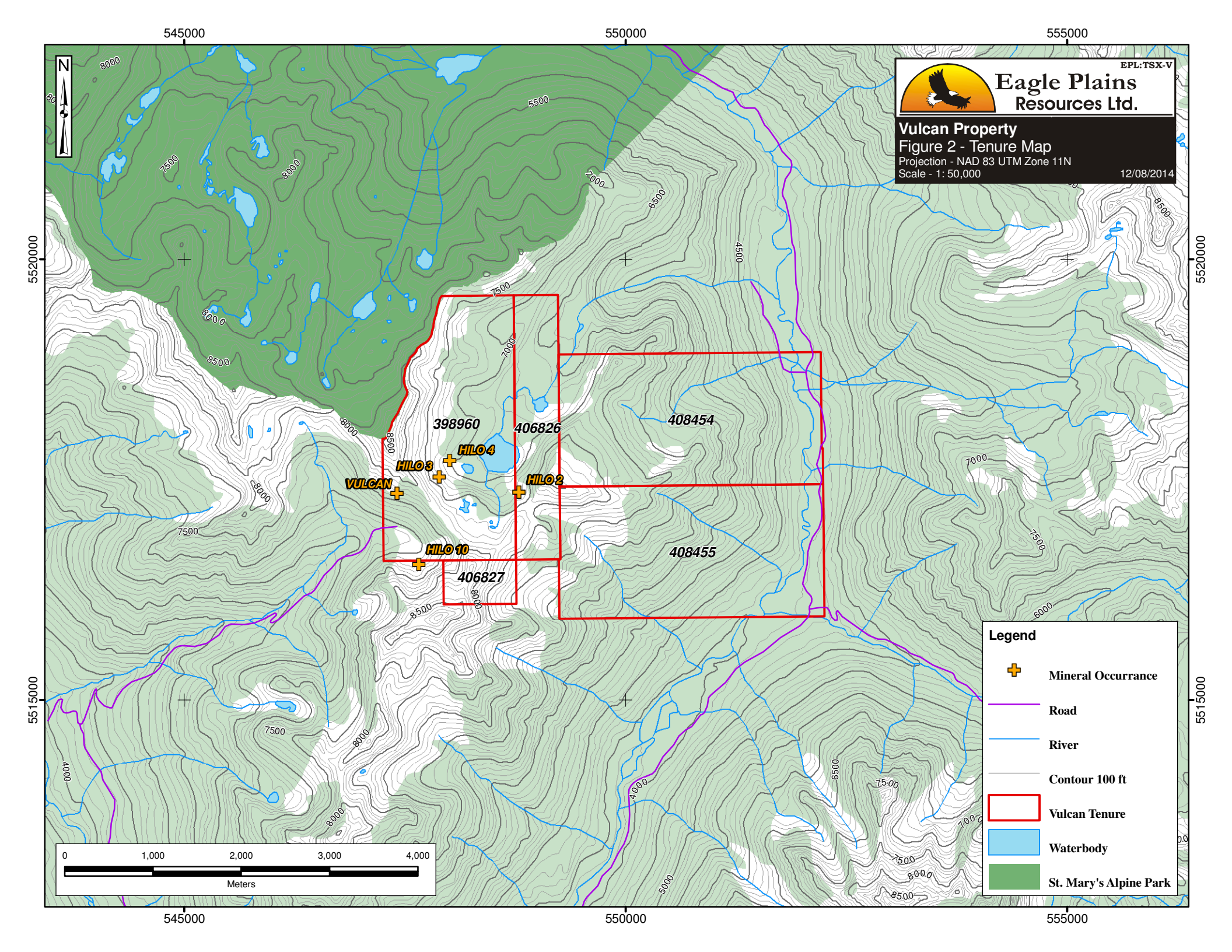
Physiography

The claims are located in the Purcell Mountain Range. The western half of the claims covers rugged mountainous areas up to 3,300 m elevation. The eastern part of the claims covers more moderately sloping mountainous terrain and includes parts of the wider, more flat White Creek valley at approximately 1,240m elevation. The tree line is gradual, with sparse tamarack persisting to approximately 2,400 m.

Climate

The weather is typical of the Purcell Range, with moderate to dry summers and heavy snowfall in the winters. Most of the property is free from snow from mid-May until mid-October, and the road infrastructure allows drilling from mid April to mid November.


EPL:TSX-V
Eagle Plains Resources Ltd.
Vulcan Property
Figure 1 - Property Location Map
Projection - NAD 83 UTM Zone 11N
Scale - 1: 7,500,000
12/8/2014
140°0'0"W
130°0'0"W
120°0'0"W
60°0'0"N
50°0'0"N
Whitehorse
Yukon Territory
Northwest Territory
Alaska
British Columbia
Alberta
Terrace
Prince George
Vulcan Property
Calgary
Cranbrook
Vancouver
Victoria
Pacific Ocean
Washington
Idaho
N
0
125
250
375
500
Kilometers


545000
550000
555000
5520000
5515000
N
EPL:TSX-V
Eagle Plains
Resources Ltd.
Vulcan Property
Figure 2 - Tenure Map
Projection - NAD 83 UTM Zone 11N
Scale - 1: 50,000
12/08/2014
398960
406826
408454
408455
406827
HILO 4
HILO 3
HILO 2
HILO 10
VULCAN
0
1,000
2,000
3,000
4,000
Meters
Legend
Mineral Occurrance
Road
River
Contour 100 ft
Vulcan Tenure
Waterbody
St. Mary's Alpine Park

PROPERTY WORK HISTORY

(after Higgs, 2012)

The western part of the Vulcan property was originally staked by Cominco in 1957. During 1957-58, Cominco conducted prospecting, detailed mapping, trail building and an experimental magnetometer-electromagnetic survey. Three short packsack drill holes were also completed on the Main Showing, the results of which are not known to the author.

The Pb-Zn showings were discovered during this period and the mineralization was recognized as being stratigraphic-controlled. Widespread tourmaline mineralization was also noted and observed to be stratigraphic-controlled. A strong similarity between the Vulcan and the Sullivan Mine was documented by O.E. Owens of Cominco at this time. Lead-zinc-silver mineralization was noted to "occur in the same type of rocks, at the same point in the stratigraphic succession,[Lower-Middle Aldridge Contact, LMC] and as the same type of mineralization" as at Sullivan (Owens, 1958).

Recommendations for deep drilling were made, with such a program to be deferred until after regional geological studies were completed.

In 1971, Texas Gulf Sulfur re-sampled the showings and did some detailed geological mapping of the Main Showing area. The property was called Hilo at this time. No further work was done by Texas Gulf.

In the 1970's, regional stratigraphic correlation studies by Cominco established that the Vulcan mineralization occurs on the LMC. Regional studies also suggested that the Sullivan type setting defined by the 1958 work was unique, and appeared to be localized in the western part of the current Vulcan claims.

The Vulcan was staked again by Cominco Ltd. in 1976. A 4 x 4 access road was constructed to the property, and a single drill test of the LMC was completed (Vu-79-1, 188 m) from the road. No mineralization or lithogeochemical anomalies were found at the LMC - marked by a distinctive pyrrhotite laminated wacke underlain by fragmental rocks. Minor weak Pb-Zn mineralization was located in the Lower Aldridge Formation in this hole (1.1 m @ 0.35% Pb, 0.30% Zn).

The property was extended to the south in 1982.

In 1983, Cominco conducted rock geochemical sampling of the fragmental unit and LMC sequence throughout the Vulcan 1-3 claims. Several Pb-Zn-As anomalies were delineated by this work.

A surface UTEM and HLEM survey was conducted in 1984 covering the LMC and fragmental unit on the Jurak 1 claim. Eight UTEM lines (1.2 - 1.8 km length) were surveyed from one transmitter loop. Weak UTEM anomalies were interpreted as indicating a "weak extensive (larger than loop dimension) conductor, with depth to top varying from 100 m to 200 m" (Visser, 1984). The conductor was located in the area of the completed Cominco drill hole.

Cominco's work program on the current Vulcan claims was discontinued following this survey. The objective of subsequent Cominco work was to locate and evaluate the LMC on the more accessible ground to the south of the current Vulcan property.

Mapping, contour and grid soil geochemistry and UTEM/HLEM surveys were completed. Patchy soil Pb-Zn anomalies were outlined on the lower slopes of Mt. Patrick along the projection of the LMC.

UTEM and HLEM anomalies were located on the inferred LMC extension and over the Lower Aldridge Formation. Five drill holes (Vu-84-1 to 4 and Vu-85-1) were completed by Cominco to test the best geophysical anomalies. All holes were entirely within the Lower Aldridge, and the anomalies were found to be caused by graphite and banded/laminated pyrrhotite (+_chalcopyrite) mineralization. The LMC remains untested in this area, and additional weak geophysical anomalies occur on the possible projection of the LMC.

No further Cominco work programs were carried out in the 1986-90 period.

Ascot resources acquired the option on the Vulcan Claims in 1991. Additional claims were staked in August of that year, and in late September, Ascot carried out a 1003m drill program consisting of five holes drilled over 2.6km of LMC strike length. The objectives of the Ascot program were to use drilling and down hole EM surveys to define the distribution of base metal sulfides and of the sub-basin which forms the sulfide host at shallow to intermediate depths (to roughly 200m), in order that deeper drill tests could be planned.

Ascot conducted a 1,825.8m follow-up drill program in 1992 to provide deep down-dip testing of the Lower/Middle Aldridge Formation contact. Upon completion of this drilling, Ascot directed attention to the White Creek area, located 7km to the south of West Basin. A stratiform massive sulphide showing was discovered in the White Creek area earlier in that summer which returned values of 0.42% Pb, 0.35% Zn, and 4.2 g/t Ag over 1.0 m. A 5.0 line-km UTEM geophysical survey was completed which indicated the presence of two weak to moderate-strength conductors, one which was associated with the mineralized zone. One further drill hole: VU-92-4 was drilled to test the geophysical conductors at depth. The hole intersected a mineralized zone which they traced back to the surface showing, but mineralization was weaker than at surface.

The Ascot 1992 drill program was the last technical work completed on the Vulcan property prior to acquisition by Eagle Plains Resources. Cominco allowed the claims to lapse in 2002 at which time Eagle Plains Resources staked the Jurak 1. Since 2002, Eagle Plains Resources has expanded its claims to include the Jurak 2, 3 and 4.

Work conducted on the Vulcan property in 2005 included reprocessing and reinterpretation of 1995 EM geophysical data and the development and implementation of a GIS database. In 2005, as part of a data compilation on an unrelated project in SE BC, Eagle Plains requested an independent contractor, Condor Geophysics, to verify and reprocess Geoterrex-Dighem (now Fugro Airborne Surveys) EM survey data collected in 1995 by a joint partnership between BC Ministry of Employment and Investment, Energy and Minerals division, BC Geological Survey Branch and the Geological Survey of Canada. During the course of the data verification by Condor, it was found that the GPS height and the barometric altimeter height were both corrupted, rendering the original geophysical maps and related data included in the 1996 public release highly suspect, if not worthless. After considerable effort Condor was able to arrange for the government to supply replacement SRTM (Shuttle Radar Topography Mission) elevation data that has reasonable resolution and based on this new data set were able to produce a new interpretation of the 1995 data. As the 1995 survey also covered the Vulcan claim area Eagle Plains contracted Condor to correct and reinterpret the EM data for the area referred to as the St. Mary Block. Compilation work included scanning, rectifying and digitizing the historic geology maps, creating a drill-hole database, imputing the historic drill logs, and the creation and interpretation of new sections. A geochemistry database was also implemented utilizing historic rock, silt and soil sample data. The geochemistry and drill-hole databases will allow for a more organized

approach to the interpretation of the geology of the Vulcan. Base data for the area covered by the Vulcan claim block was also acquired, processed and integrated into the GIS in order to facilitate map creation and improve data visualization.

The 2006 Eagle Plains Resources exploration program at the Vulcan Project consisted of an AeroTEMII high resolution Time Domain Electro Magnetic geophysical survey. Data collection was done by Aeroquest Limited. A total of 125.51 line km of survey were flown on April 29, 2006 with helicopter support provided by Bighorn Helicopters using an AStar 350B2.

The airborne survey defined a number of geophysical anomalies. The most interesting feature is located in the southwestern part of the property. The contoured Aerotem Z-1 Off-time profile shows a distinct feature that roughly traces the contact between Lower and Middle Aldridge rocks. The anomaly appears to correspond with rocks located stratigraphically below the Lower-Middle Aldridge contact, and may represent a new, untested target between the Hilo 10 and Vulcan Minfile occurrences.

There is another feature located at UTM 5518000 N along the boundary with the Purcell Wilderness Conservancy. It appears to be a single point anomaly feature spatially associated with the hanging wall of a Moyie Sill.

Total 2006 exploration expenditures by Eagle Plains Resources on the Vulcan Project were $37,228.84

In 2011, Fugro Airborne was contracted to conduct a 318 line km heliborne gravity gradiometry (AGG) survey of the Vulcan property with a North-South transverse line spacing of 100m and 2000m spaced tie lines. The survey was successful in identifying possible discordant structures spatially associated with the Hilo 2 showing. The nature of the gravity high remains unknown but could represent a mineralized structure associated with proterozoic growth faults that has not been detected at surface. The total cost of the 2011 exploration program was approximately $118,583.19.

In 2012 a small work program consisted of completing due diligence work to confirm the historical results at the Hilo 3 showing along with doing geological evaluation on the showing and most prospective location to put a drill pad to test the down dip extension of the mineralization. The sample collected at the showing returned 10.6 g/t Ag, 0.9% Pb and 0.7 % Zn over 1 m. The total cost of the 2012 exploration program was approximately $10,800.00.

GEOLOGICAL SETTING

Regional Geology (Termuende, 1992)

The Vulcan property and adjacent area is underlain by rocks of the Purcell Supergroup on the western flank of the Purcell Anticlinorium, a broad, north-plunging arch-like structure in Helikian and Hadrynian aged rocks. The anticlinorium is allocthonous, carried eastward and onto the underlying cratonic basement by generally north trending thrusts throughout the Laramide orogeny during late mesozoic and early tertiary time (Price, 1981). The oldest rocks exposed in the area are greenish, rusty weathering thin bedded siltites and quartzites of the + 4000m thick Lower Aldridge Formation, along with the facies-related, dominantly fluvial Fort Steele Formation (the bases of which are unexposed). The Sullivan deposit is located some 20-30m below the upper contact of the Lower Aldridge Formation. Overlying the Lower Aldridge is a continuous section of Middle Aldridge quartz wackes, subwackes and argillites some 3000+ m thick. Within the Middle Aldridge formation, fourteen varved marker horizons can be correlated over hundreds of kilometres. These represent the only accurate stratigraphic control. A number of aerially extensive, locally thick gabbroic sills are present within the Lower and Middle Aldridge Formations. These sills and dykes; the "Moyie Sills", locally were intruded into wet, unconsolidated sediments, and have been dated to 1445 Ma, providing a minimum age for Aldridge sedimentation and formation of the Sullivan deposit. The Middle Aldridge is overlain conformably by the Upper Aldridge, 300 to 400 meters of thin, fissile, rusty weathering siltite/argillite.

Conformably overlying the Aldridge Formation is the Creston Formation, comprising approximately 1800 meters of grey, green and maroon, cross-bedded and ripple marked platformal quartzites and mudstones. The Kitchener-Siyeh Formation, which includes 1200 to 1600 meters of grey-green and buff coloured dolomitic mudstone are shallow water sediments overlying the Creston Formation.

The upper portion of the Purcell Supergroup consists of the Dutch Creek and Mount Nelson Formations. The Dutch Creek formation consists of approximately 1200 meters of dark grey, calcareous dolomitic mudstones. Overlying the Dutch Creek formation is the Mount Nelson formation, 1000 meters of grey-green and maroon mudstone and calcareous mudstones. This unit marks the top of the Purcell Supergroup.

The Purcell Supergroup in the Sullivan area was deposited along a tectonicly active basin margin. Dramatic thickness and facies variations record Purcell-age growth faults and contrast with gradual changes characteristic of most Purcell rocks elsewhere. These faults reflect deep crustal structures that modified incipient Purcell rifting, and led to the development of an intercratonic basin in middle Proterozoic time.

EPL:TSX-V

Eagle Plains Resources Ltd.

Vulcan Property

Figure 3a - Regional Geology Map

Projection - NAD 83 UTM Zone 11N

Scale - 1: 100,000 12/12/2014

540000 550000 560000

5530000 5520000 5510000 5500000

MOLLY
WHITE CREEK
HILO 4
HILO 3
VULCAN
HILO 2
HILO 10
SERVANT
GREAT DANE (L.5285)
VULCAN 5
WARREN
GOLD LEDGE
RED LOBSTER
MYSTERY (L.4058)
CLAIR WEST
POLLY VENT

ECt-WC1 ECt-WC2 ECt-WC3 ECt-WC4 ECt-WC5

Mp-Am Mp-Al Mp-C Mp-Cm Mp-Clmc Mp-Au Mp-K Mp-Cu Mp-Kl Mp-All Mp-M

Qt-al Ct-g

Geology after Brown et al, 2011, Modified by McCuaig 2014.
Refer to Figure 3b or GSC Open File 6305, 6306, 6307, 6308 for legend

0 2 4 6 8 10
Kilometers

Legend

- Minfile Occurrence
- Tourmalinite
- Albite Alterations
- Fragmentals
- Hematite Alteration

Fold Symbols

- Anticline
- Syncline

Geological Contacts

- Contact Approx; Dikes Dash
- Contact_Assumed; Dikes_Dot; Sill Dashed; Sill Dotted
- Contact Defined; Sill Solid
- Contact Quaternary
- Contact Subdivided
- Fault Approximate
- Fault Assumed
- Fault Defined
- Fault_Reverse App; Fault Thrust_Approximate
- Fault_Reverse Assumed; Fault Thrust Ass
- Fault Thrust Defined
- Granitic

Digital Road Atlas

- Rough or Loose Roads
- Overgrown Roads
- Paved Roads
- Stream
- Purcell Wilderness Conservancy
- St. Mary's Alpine
- Vulcan Tenure

EPL:TSX-V

Eagle Plains Resources Ltd.

Vulcan Property

Figure 3b - Geology Legend

After Brown, 2011 12/12/2014

Regional Geology Legend

- Ct-FC - FRY CREEK BATHOLITH: Leucomonzogranite; biotitemonzogranite; biotite-muscovite monzogranite in westernmost exposures
- Ct-g - Massive, fine to medium grained biotite monzogranite
- ECt-WC1 - WHITE CREEK BATHOLITH: Biotite-epidote granodiorite.
- ECt-WC2 - WHITE CREEK BATHOLITH: Hornblende granodiorite.
- ECt-WC3 - WHITE CREEK BATHOLITH: Biotite monzogranite with megacrysts of potassium feldspar; aplite and pegmatite.
- ECt-WC4 - WHITE CREEK BATHOLITH: Biotite -muscovite leucomonzogranite.
- ECt-WC5 - WHITE CREEK BATHOLITH: Biotite monzogranite.
- Jr-ub - Ultramafic rocks, serpentinized peridotite.
- Mp-Afr - ALDRIDGE FORMATION: Fragmental rocks interpreted as sedimentary debris flows, breccias formed in dewatering pathways, mud volcano debris, and hydrothermal breccias: stratiform and discordant matrix- and framework-supported fragmental rocks consisting
- Mp-Al - ALDRIDGE FORMATION: LOWER: rusty brown weathering, thin- to medium-bedded, quartz wacke, quartz arenite.
- Mp-All - ALDRIDGE FORMATION: Lower siltites; siltstone, argillite, minor quartzite.
- Mp-Alq -ALDRIDGE FORMATION: “Footwall quarzites”: grey quartzite, quartz wacke.
- Mp-Alup - Upper siltites: argillite, minor quartzite.
- Mp-Am - ALDRIDGE FORMATION: MIDDLE grey to rusty weathering, thick- to thin-bedded, quartzofeldspathic wacke, intercalated argillite and siltite,
- Mp-Au - ALDRIDGE FORMATION: UPPER: rusty brown weathering, grey to dark grey, fissile to platy, laminated silty argillite and siltite.
- Mp-C - light grey, mauve, or green siltstone and argillite;thin to medium-bedded quartz arenite, quartz wacke;lenticular bedding, ripples,cross-bedding, and mudcracks occur locally.
- Mp-Clmc - CRESTON FORMATION: Mud-cracked member
- Mp-Cm - CRESTON FORMATION: MIDDLE: light grey, mauve, or purple, thin to medium-bedded quartz arenite; quartz wacke; lesser grey siltstone and argillite; white quartzite interbeds; lenticular bedding, ripples, cross-bedding, and mudcracks occur locally.
- Mp-Cu - green siltstone; black or purple argillite and siltstone.
- Mp-K - KITCHENER FORMATION: Undivided meta-sedimentary rocks: thin-bedded, brown-weathering dolomitic silt stone and green argillite.
- Mp-Kl - KITCHENER FORMATION: LOWER: green and beige siltstone, dark grey argillite; dolomitic siltstone.
- Mp-M - MOYIE INTRUSTIONS: “Moyie sills”: dark-green to black, medium to fine-grained gabbro and hornblende quartz diorite sills and dikes; several to hundreds of metres thick.
- Mp-b - Post-Moyie Instrusions:(nicol creek feeders?) Mafic sills and rare dikes hosted in Kitchener Formation. Olive green, massive to plagioclase porphyritic.
- Qt-al - Unconsolidated sediments: alluvium; colluvium; diamictite

Structure

The structural geology of the region has broadly warped westerly dipping stratigraphy cut by northerly-trending normal faults. This structure is typical of the west limb of the core of the Purcell Anticlinorium, a large north-plunging feature formed during the development of the Rocky Mountain Thrust and Fold belt. The dominant fault in the area is the Hall Creek thrust fault which runs through the south east corner of the Vulcan. The Hall Creek fault thrusts the Aldridge formation over the younger Creston formation to the east. The sedimentary units of the Purcell Supergroup are bounded to the north by the mid-Cretaceous White Creek Batholith. Near this intrusion, structures are more complicated, folds become tighter and foliation is stronger.

Local Geology

The most recent geology work on the property was done by McCartney (1991) and also appears in the 1992 Geological Report for the Vulcan Property by Tim Termuende. The following local geology descriptions are derived from the 1992 report by Tim Termuende.

West Basin

The West Basin area is relatively unique in its geologic characteristics, containing features similar to those seen within the Sullivan Mine itself, and associated with adjacent Sullivan-North Star Corridor.

These features are summarized below:

a) A stratigraphic sequence which is directly correlative with the Sullivan Deposit. This includes Lower Aldridge rocks in contact with the overlying Middle Aldridge sequence (the Lower-Middle Contact, or LMC), with an intraformational conglomerate and strata-controlled mineralization. This sequence has been mapped on the property over a 3.0km strike length, and in thickness to 250m.

b) Alteration including tourmalinization and albitization are present and in association with the LMC.

c) Stratiform lead-zinc-silver mineralization has been noted in drillholes and on surface, and is stratigraphically located within the "Sullivan -Time" horizon. Showings have returned values of 1.6% combined Pb/Zn over 1.52m within a weakly mineralized section 7.5m thick.

Rock Types

<u>Middle and Lower Aldridge Formation Siliciclastics</u>

The Lower Aldridge Formation regionally consists of a rhythmic succession of laminated to thin bedded fine grained wacke (argillite) and quartzitic wacke (argillaceous quartzite). The sequence is characterized by minor amounts of fine grained disseminated pyrrhotite which imparts a characteristic rusty weathering nature to Lower Aldridge outcrops. Beds are typically graded, and local crossbedding occurs. Intervals of massive to thick bedded quartzitic wacke or quartz arenite also occur (e.g. "footwall quartzite" unit at the Sullivan Mine). Massive to poorly bedded lenses of intraformational conglomerate occur locally near the top of the Lower Aldridge Formation and are composed of Aldridge rock types in a wacke matrix.

The Middle Aldridge Formation is predominantly medium to thick bedded light grey weathering quartzitic wacke turbidites consisting of medium grained massive quartz-rich bases overlain by thin

wacke-subwacke (argillite) tops. Rip up clasts and flame structures commonly occur in the bases of the quartzite beds and are indicative of a high energy, rapid deposition. Subordinate amounts of Lower Aldridge type lithologies are interbedded within the Middle Aldridge. Gabbro sills of the Moyie Intrusions intrude both Lower and Middle Aldridge, and are locally observed as dykes which crosscut stratigraphy.

Fragmental (Conglomerate)

This unit occurs near the top of the Lower Aldridge Formation. Many textural variations were noted. The most common type contains rounded medium to fine grained biotitic quartzitic wacke fragments and flat light grey subwacke fragments in a massive fine grained wacke matrix. Disseminated pyrrhotite commonly replaces the biotite-rich clasts, which locally become semi-massive pyrrhotite. Fragments comprise between 15 and 35% of the rock, average 2-3 cm and are matrix supported. The matrix usually contains finely disseminated pyrrhotite, and the unit always weathers to a very rusty brown. Wacke and mudstone fragments are generally smaller and more angular than the quartzitic fragments.

Bedding is rare within the fragmental rock type itself, although intervals of normal bedded Lower Aldridge sediment commonly occur within it. Prominent slump folds commonly occur at the base of fragmental intervals. Fragmental rocks locally contain quartz-feldspar-amphibole-biotite-pyrrhotite concretions(?) often with a pale bleached or a dark biotite-rich halo.

It was noted during 1992 work that the size of fragment, sorting, degree of flattening, and imbrication is directly related to the units' position relative to the regional fold straddling the West Basin/Jurak Lake ridge. Along the flanks of the fold, matrix-supported, smaller, well-sorted fragments were flattened to coin-shaped dimensions, while near the Main Showing area (closer to the fold nose area), fragments were clast-supported, larger, poorly imbricated, and only poorly to moderately sorted. Though much of this textural variation may be attributed to fold-related stresses, there is evidence which suggests a proximity to a source area for the fragmental, a possibility supported by the presence of higher grade mineralization within the Main Showing area itself.

Two theories are considered plausible for the formation of the fragmentals. They may be large slump conglomerate units formed during graben-type faulting and tilting at the close of Lower Aldridge time. Alternatively they may be extruded onto the sea floor during dewatering of the Lower Aldridge sequence, perhaps utilizing zones of cross-strata permeability related to sub-basin development. There is evidence that both of these processes have a role in the formation of fragmentals of the Aldridge Formation.

Conglomeratic Rocks

These rocks are similar in all respects to the fragmental but contain <10% clasts, usually in a massive wacke matrix. Clast types are similar to those in the fragmental unit and are unsorted. Clasts are matrix supported. Fragments tend to be smaller than in the true fragmental. This rock type grades into massive wacke.

Massive Wacke

Massive wackes commonly occur near the top of the Lower Aldridge and are usually interbedded with

conglomeratic wacke or fragmental. This rock type is believed to represent a settling out of fine material following fragmental formation and is of a similar composition to the fragmental matrix. Massive wackes are believed to represent more distal settings to the fragmentals, being further removed from the fractures or fault scarps which control fragmental development. They may also accumulate at the top of fragmental sections, as a settling out of suspended clay/silt after conglomerate deposition.

Pyrrhotite Laminated Wacke/Subwacke

This unit occurs immediately below the Lower Aldridge-Middle Aldridge contact (LMC) in holes Vu-92-2 and Vu-92-3, also in Vu-91-1 to 5 and in Vu-79-1, and averages approximately 8m in thickness. This lithology is interpreted as an argillaceous sub-basin facies and forms a cap to the fragmental rock units within the sub-basin. The unit is directly correlated with the mineralized sequence at the Sullivan Mine. Similar rock types are often interbedded within the upper 50 m of the fragmental and over the lowermost 20-30 m of the Middle Aldridge.

Texturally the rock type is a fine grained wacke to subwacke, similar to the massive wacke units, but it contains distinctive dark biotite-pyrrhotite rich laminations. The laminations are usually 1-2 mm thick and separated by several cm of massive wacke. The pyrrhotite usually occurs as fine grained disseminations within the dark laminations, but is clearly strata-controlled. Traces of chalcopyrite were observed with the pyrrhotite in Vu-92-2 and Vu-92-3. Within hole Vu-92-3, this unit was locally albitized, and appears creamy white in colouration, within which pyrrhotite lamination widths were observed to increase.

Gabbro

The gabbro intrusions are generally sill-like and consist of medium to coarse grained amphibole-plagioclase with minor biotite and chlorite. Minor disseminated pyrrhotite is common. In places, the gabbros have sharp chilled margins, locally with albite-chlorite or biotitic alteration selvages in adjacent sediments. Gabbro contacts can also be gradual and replacive, with coarse calc-silicate assemblages replacing adjacent sediments.

The gabbroic rocks are often locally altered. Chlorite-biotite (+ calcite) alteration is common. Intensive alteration to massive chlorite/biotite was noted in hole Vu-92-2, and may be observed on the northeast-facing slope above the Main Showing. According to G.S.C. geologists, this feature is seen within cores from the Sullivan area, and is known locally as "granophyre" (Termuende, 1992).

Calc-silicate Unit

No calc-silicate units were recognized in core during the 1992 Cominco drill program, suggesting them to be a localized feature, apparently restricted to the up-dip regions of the LMC horizon. Calc-silicate units occur as conformable lenses adjacent to the mineralized zone in the Main Showing exposure, where they exhibit strong continuous parallel banding features. A continuous stratabound unit of coarse to medium grained calc-silicate rock also occurs in laminated wacke just below the LMC to the west of Mount Patrick (up-dip of Vu-91-4). Here it is 1-3 m thick. Similar coarse calc-silicate was observed crosscutting the fragmental unit southeast of Vu-91-1 but this zone is poorly exposed.

The calc-silicate is a mottled to banded, coarse to medium grained rock with a quartz-pink feldspar-tremolite-chlorite-calcite mineralogy. Garnet, epidote, albite and biotite are common accessories. The mineralogy of this rock type is similar to the mineralogy of alteration observed in the footwall vent system of the Sullivan Mine by workers on the GSC/BCDM Sullivan Project. Termuende (1992) noted that although this rock type was identified at surface, and at shallow depth in Vu-91-1,2,4 and 5, it was not found in the deep drill holes in 1992.

Alteration and Mineralization

Alteration

Various alteration types are recognized within the property. Most commonly noted is silicification, which consists of microcrystalline replacement (partial to complete) of silica within detrital units. Coarser grained units common to the Middle Aldridge package (quartzites, quartzitic wackes) seemed most susceptible to this alteration, likely due to their increased permeability at one time.

Albite alteration was identified in both holes Vu-92-2 and Vu-92-3. In Vu-92-2 it was noted within a fine to medium bedded wacke of the Lower Aldridge below the contact with a thick gabbro unit (479.3-485.1m). It is also found within the same unit directly above the fragmental contact (499.1-501.5m), and as irregular, patchy occurrences within gabbroic material. In Vu-92-3, it is far more prevalent, occurring below the LMC; locally within the pyrrhotite-laminated wacke, and as pervasive alteration within the underlying conglomeratic wacke and into the turbiditic fine-laminated wacke below (323.2-360.1m). This entire interval has a light bleached appearance, and is visually very similar to the Concentrator Hill Horizon southeast of the Sullivan deposit, though it is geochemically less enriched.

Tourmalinization was noted in holes Vu-92-1 to Vu-92-3. Tourmalinite was seen often as centimetre-scale veins within all rock-types, and as fine, acicular needles within quartz and/or calcite veinlets. Pervasive tourmalinization, as seen associated with Sullivan-type mineralization within the Sullivan-North Star Corridor, was not recognized in core.

Chlorite/biotite alteration, as discussed above, is seen predominantly within gabbroic material and varies greatly in intensity. Commonly at intrusive contacts, replacement is complete within the both the gabbro and its' host, obliterating relict textures. Biotization is also common within finer bedded and massive intervals, particularly in Lower Aldridge rocks.

Sericite alteration was common in all drillholes, occurring as coatings on fracture surfaces in all rock types.

Mineralization

Mineralization seen in core at Vulcan consists primarily of fine disseminated pyrrhotite within all rock types. Millimetre to centimetre-wide quartz and/or calcite veins were common to all rock types, and generally carry minor pyrrhotite, locally with trace chalcopyrite, galena and sphalerite.

These stringers were also seen to host fine, acicular tourmalinite needles to 0.5cm in length. Minor pyrrhotite ± chalcopyrite, pyrite stringers were also noted in all lithologies and in all holes, and appeared to show no preferred orientation.

The most significant form of mineralization to Sullivan-type exploration is the pyrrhotite-laminated wacke. This unit, located directly beneath the Lower-Middle Aldridge contact, was noted in all completed West Basin holes (including 1991 drilling), and consists of strata-controlled Fe-Pb-Zn+/-Ag sulfides hosted by a biotitic, locally albite-altered laminated wacke to subwacke. Pyrrhotite occurs in dark biotite-rich laminations which are usually 1-2 mm thick and are separated by several cm of massive wacke. The pyrrhotite usually occurs as fine grained disseminations within the dark laminations, but is clearly strata-controlled. This interval may be directly correlated with the sequence hosting stratiform mineralization at the Sullivan Mine. This mineral type is exposed at the Main Showing, where pyrrhotite-sphalerite-galena mineralization occurs over 7.5m, with values to 0.35% Pb,

1.25% Zn returned over 1.52m (previous Cominco sampling). McCartney collected several grab samples of this material in 1991, the best of which assayed 5.5% Pb-Zn combined and 22 gpt Ag. Exploration activity elsewhere in the East Kootenay area has indicated that this anomalous horizon is widespread, and typical of the "Sullivan-Time" stratigraphic interval.

Structure

The main structural feature of the West Basin area is a broad open anticlinal fold plunging steeply to the northwest. O.E. Owens of Cominco conducted the most recent mapping of the West Basin area and describes the structure as follows (Owens, 1958):

"The Lower Aldridge rocks have been folded into large north-south trending anticlines and synclines, and they have been refolded into a west plunging anticline by the intrusion of the White Creek batholith. Within these major folds are numerous smaller closed folds. Some of these strike north-south; others as in West Basin strike east-west. The smaller folds appear to pinch out within short distances and their plunge is variable.

The Middle Aldridge rocks are relatively slightly folded except near the granite. They are part of a thick homoclinal series dipping westward.

North-south trending, steeply dipping faults are common in the eastern part of the map area. These are usually related in space to tight folds and are probably genetically related to them.

Sulfide mineralization was not observed to have any spatial relationship to folds or faults".

548000 550000 552000 554000

5518000

5516000

EPL:TSX-V

Eagle Plains Resources Ltd.

Vulcan Property

Figure 4 - Property Geology and Station Locations

Projection - NAD 83 UTM Zone 11

Scale - 1: 20,000 10/12/2014

HILO 4
HILO 3
MMVUG007
HILO 2
VULCAN
HILO 10
MMVUG009
MMVUG008
MMVUG005
MMVUG006
MMVUG003
MMVUG004
MMVUG002

Mp-M
Mp-Am
Mp-Al
Mp-C
ECt-WC1
ECt-WC2

7000 8000 8500 5500 7500 6000 6500 4500 4000

Legend

2014 Geostation Location
Mineral Occurrance
Road
River
Contour 100 ft
Waterbody
St. Mary's Alpine Park
Vulcan Tenure

Legend

Geology

ECt-WC1 - WHITE CREEK BATHOLITH: Biotite-epidote granodiorite.

ECt-WC2 - WHITE CREEK BATHOLITH: Hornblende granodiorite.

Mp-M - MOYIE INTRUSTIONS: “Moyie sills”: dark-green to black, medium to fine-grained gabbro and hornblende quartz diorite sills and dikes; several to hundreds of metres thick.

Mp-C - CRESTON FORMATION: Undivided meta-sedimentary rocks: light grey, mauve, or green siltstone and argillite;thin to medium-bedded quartz arenite, quartz wacke;lenticular bedding, ripples,cross-bedding, and mudcracks occur locally.

Mp-Clmc - CRESTON FORMATION: Mud-cracked member

Mp-Am - ALDRIDGE FORMATION: MIDDLE grey to rusty weathering, thick- to thin-bedded, quartzofeldspathic wacke, intercalated argillite and siltite,

Mp-Al - ALDRIDGE FORMATION: LOWER: rusty brown weathering, thin- to medium-bedded, quartz wacke, quartz arenite.

N

0 500 1,000 1,500 2,000

Meters

2014 Work Program

The 2014 work program consisted of geochemical sampling and geological evaluation on the property on September 5th and September 8th, 2014. The purpose of the work program was to evaluate the potential for base metal mineralization along the projected LMC horizon east of the Hilo showings.

A crew of 3 – 5 persons collected 210 soil samples from eight, 600 m long contour lines, 4 silt samples and 2 rock samples covering approximately 1.8 km strike of the inferred LMC horizon.

All samples were sent to ACME Labs in Vancouver, British Columbia for multi-element analysis.

For a detailed description of sample collection methods and analytic procedures please refer to Appendices 3.1 & 3.2 respectively.

Total expenditures for the 2014 work program were $21,000.00 dollars.

2014 Program Results

A total of 8 geological stations were recorded during the two days of field work. Geologic station locations, detailed lithology and structural data are presented in Appendix VI. Geologic mapping aided in refining the position of the Lower-Middle Aldridge contact on the eastern limb of the Vulcan anticline. Geologic station locations have been plotted on Figure 4.

The 2014 geochemical program confirmed a 800 m by 100 m multi-element (Pb-Zn) > 90th percentile anomaly in close proximity to the inferred LMC horizon on the eastern limb of the Vulcan anticline. The anomalous results are somewhat discontinuous but are considered significant due to their proximity to the LMC horizon. The discontinuous nature of the soil anomaly may be in part a reflection of the poor to moderate soil sample quality, a direct reflection of a poorly developed soil B-horizon. Soil statistics were calculated using ioGas Advanced Data Analysis software. Soil sample locations and descriptions can be found in Appendix IV, and have been plotted on Figure 5.

Table 2 – 2014 Soil Statistics

Percentile Breaks	Pb (ppm)	Zn (ppm)
75th Percentile	23	115
90th Percentile	29	162
95th Percentile	38	203
99th Percentile	66	469

No significant results were returned from silt or rock samples collected during the 2014 program. Silt and Rock sample locations and descriptions can be found in Appendix IV, and have been plotted on Figure 5.

Certificates of analysis for all rock, silt and soil samples can be found in Appendix V.

EPL/TSX-V

Eagle Plains Resources Ltd.

Vulcan Property

Figure 4 - Sample Locations and Geochemistry

Projection - NAD 83 UTM Zone 11N

Scale - 1: 4500 09/12/2014

548000 549000 550000 551000

5517000 5516000

MMVUR0022, 44, 53

CDVUS001, 29.5, 88

TTVUS001, 14.6, 70

TTVUS002, 12.2, 63

TTVUS003, 9.7, 52

MMVUR0001, 4, 27

8000 6500 5000 3500 2000 4500 4000

N

0 500 1,000 1,500 2,000

Meters

Legend

2014 Rock Sample
- Sample Location, Pb ppm, Zn ppm
- Mineral Occurance
- River

2014 Silt Sample
- Sample Location, Pb ppm, Zn ppm
- Road

2014 Soil Samples
- Sample Location, Pb ppm, Zn ppm
- Overgrown Road
- Vulcan Tenure
- No Sample
- Waterbody

CONCLUSIONS

The Vulcan property holds the potential to host significant SEDEX mineralization and is well located with respect to local infrastructure. The property is road-accessible, and is within reasonable distance from a high-voltage hydro-electric line. Rail facilities are located 40km east of the property.

There is two distinct type of mineralization that occur on the Vulcan property. Both the mineralized stringer veins and the pyrrhotite-laminated wacke are related to a SEDEX style of deposit. Past drill programs on the western part of the Vulcan property have demonstrated that the style of mineralization, host rocks and alteration types show strong similarities to the Sullivan Deposit. Results from drilling in 1991 and 1992 have led to the conclusion that anomalous base metal mineralization within the favorable stratigraphy is widespread throughout the western regions of the property.

Surface mapping (McCartney, 1991) and diamond drilling on the Vulcan property have indicated an environment that is distal to a vent that was active at Sullivan time. The LMC has been tested both inside and outside the Vulcan's current boundaries; the most encouraging mineralization discovered occurs at the Main Showing (Hilo 3) on the Jurak 1 claim. At the Main Showing, features present within the nearby intraformational conglomerate, such as larger-sized, poorly sorted clasts, suggest that this exposure may be proximal to a source area. Further drilling is warranted in this area in order to test the deep down-dip extension of this stratigraphy.

Reprocessing and reinterpretation of the corrupted 1995 Geoterrex-Dighem EM survey by Eagle Plains in 2006 showed a moderate EM anomaly coincident with the Lower-Middle Aldridge contact as defined by surface mapping and diamond drilling. This contact is the stratigraphic location of the nearby Sullivan deposit and is considered to be an excellent target for similar style SEDEX mineralization elsewhere in the Aldridge basin. The survey also defined a coincident magnetic and radiometric anomaly north of the mapped LMC. This anomaly may represent a down dip extension of the mineralization found on surface at the Main Showing and could reflect a deeper conductor caused by a sulphide body.

The 2006 AeroTEMII high resolution Time Domain Electro Magnetic geophysical survey imaged two separate EM anomalies in the southwest and west central part of the property. The southwestern anomaly appears to be located along the projection of the Lower – Middle Aldridge contact.

The 2011 AGG survey was successful in identifying an anomalous gravity high lineanment that is spatially associated with the Hilo 2 showing. The nature of the gravity high remains unknown but could represent a mineralized structure associated with proterozoic growth faults that has not been detected at surface.

The 2012 program confirmed the presence of economic precious metal values along with highly elevated base metal values located within Sullivan time stratigraphy at the Hilo 3 showing (Higgs, 2012).

The 2014 exploration program confirmed the presence of a large multi-element (Pb-Zn) anomaly in close proximity to the inferred LMC horizon on the eastern limb of the Vulcan anticline. The anomalous results are somewhat discontinuous but are considered significant due to their proximity to the LMC horizon, and warrant follow up field work to better define and to determine the source of the soil anomaly.

RECOMMENDATIONS

Future exploration on the Vulcan Project is warranted and the following recommendation should serve as a guide to focus future exploration on the property:

Phase I

- Obtain a permit from BCMEM for mechanized work (diamond drilling) on the Vulcan claims;
- All remaining drill hole data for the property should be compiled into a modern digital database for planning/modeling purposes;
- Compilation of all ground based geophysical work to compare with airborne survey results would add confidence to geophysical targets;
- Re-logging of key intervals of historic drill core to observe key styles of alteration and mineralization.

Phase II

- The 1991 and 1992 holes on the Vulcan property should be located with a differential GPS to get an accurate location for modeling purposes;
- Continued geological mapping, prospecting, and infill geochemical sampling designed to follow up on geochemical targets coincident with the inferred LMC horizon to identify subsequent areas for diamond drill testing;

Phase III

- A single diamond drill hole, approximately 300-400m in length, should be drilled further to the north of the Main Zone (Hilo 3) to intersect the Sullivan-type mineralization observed and at surface further down dip. The Hilo 3 showing is the highest-priority exploration target on the property as defined to date;
- Computer modeling of surface and diamond drill hole geological data.

Phase I and Phase II programs could be completed for approximately $35,000.00 dollars. Phase III could be completed for approximately $250,000.00 dollars.

REFERENCES

AeroQuest Limited (2006) : Report on a Helicopter-Borne AeroTEMII Electromagnetic and Magnetometer Survey, Aeroquest Job # 05083; prepared for Eagle Plains Resources Ltd.

Downie, C.C. And Hendrickson, G.W. (2006): Geological Report on the Vulcan Property; BCEMPR Assessment Report #28185; prepared for Eagle Plains Resources Ltd.

Downie, C.C. (2007): 2006 Geological Report for the Vulcan Property; BCEMPR Assessment Report #28939; prepared for Eagle Plains Resources Ltd.

Gallagher, C.S. (2012): 2011 Geophysical Report on the Vulcan Property. BCEMPR Assessment Report #32852; prepared for Eagle Plains Resources Ltd.

Hamilton, J.M. et al. (1983): Geology of the Sullivan Deposit, Kimberley, B.C. in Short Course in Sediment Hosted Stratiform Lead-Zinc Deposits, M.A.C.

Hamilton, J.M. et al. (1982): Geology of the Sullivan Orebody, Kimberley, B.C., Canada; in Precambrian Sulfide Deposits, H.S. Robinson Memorial Volume, Geol. Assoc. Canada, Special Paper 25, pp. 597-665.

Higgs, A.H. (2012): 2012 Geological and Geochemical Report for the Vulcan Property, BCEMPR Assessment Reprot # 33554, prepared for Navy Resources Corporation.

Lydon, J.W. (1996) : Sedimentary exhalative sulphides (Sedex); Geology of Canadian Mineral Deposit Types, (ed.) O.R. Eckstrand, W.D. Sinclair, and R.I. Thorpe; Geological Survey of Canada, Geology of Canada, no. 8, p. 130-152 (also Geological Society of America, The Geology of North America, v. P-1).

Leitch, C.H.B. et al. (1991): The Vent Complex of the Sullivan Stratiform Sediment Hosted Pb-Zn Deposit, B.C.: Preliminary Petrographic and Fluid Inclusion Studies. G.S.C. Current Research, July 1991.

Leitch, C.H.B. (1991): The District Scale Sullivan-North Star Alteration Zone, Sullivan Mine Area, B.C.: A Preliminary Petrographic Study.

Leitch, C.H.B. (1992): Mineral Geochemistry of Selected Silicates, Carbonates, and Sulphides in the Sullivan and North Star Strataform Zn-Pb deposits, British Columbia, and in Distict-Scale Altered and Unaltered Sediments; in Current Research, Part E.; Geological Survey of Canada, Paper 92-1E, p.83-93.

Leitch, C.H.B. (1992): A Progress Report of Fluid Inclusion Studies of Veins From the Vent Zone, Sullivan Stratiform Sediment-Hosted Zn-Pb Deposit, British Columbia; in Current Research, Part E.; Geological Survey of Canada, Paper 92-1E, p.71-82.

Leitch, C.H.B., and Turner, R.J.W. (1992): Preliminary Field and Petrographic Studies of the Sulphide-Bearing Network Underlying the Western Orebody, Sullivan Strataform Sediment-Hosted Zn-Pb Deposit, British Columbia; in Current Research, Part E.; Geological Survey of Canada, Paper 92-1E, p.61-70.

McCartney, I.D. (1991): Diamond Drilling Report, Vulcan Property, East Kootenay District, B.C.

Owens, O.E. (1958): Vulcan Group - Geological Report, 1958 Season. Internal Cominco Report.

Silic, J. (1986): Interpretation Report on the UTEM Surface and Downhole Surveys on the Vulcan South Property. Internal Cominco Report.

Termuende, T.J. (1992) Diamond Drilling Report on the Vulcan Property; prepared for Ascot Resources Ltd.

Turner, R.J.W., and Leitch, C.H.B. (1992): Relationship of Albitic and Chloritic Alteration to Gabbro Dykes and Sills at the Sullivan Deposit and Nearby Area, Southeastern British Columbia; in Current Research,Part E.; Geological Survey of Canada, Paper 92-1E, p.95-105.

Turner, R.J.W. et al (1992): Guide to the Tectonic, Stratigraphic and Magmatic Setting of the Middle Proterozoic Stratiform Sediment- Hosted Sullivan Zn-Pb Deposit, Southeastern British Columbia; in A field guide to accompany the Sullivan Project-Ocean Drilling Project Field Trip, Kimberley, B.C., 24-25 September, 1992.

Visser, S.J. (1984): Geophysical Report on UTEM Survey on the Vulcan 1-3 Claims. Internal Cominco Report.

Visser, S.J. et al. (1984): Internal Report to Compliment the 1984 Assessment Report on the UTEM Survey on the Vulcan 1-3 Claims. Internal Cominco Report.

Visser, S.J. et al. (1992): UTEM Electromagnetic Survey on the Vulcan Property, for Ascot Resources Ltd.

Appendix I
Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, Michael A. McCuaig, Do hereby certify that:

I am currently employed as a Geologist, with TerraLogic Exploration Inc. with business address: Suite 200, 44-12th Avenue South, Cranbrook, BC, V1C 2R7.

I graduated with a Bachelor of Science Degree from St. Francis Xavier University in 2003.

I have worked as a geologist for 8 years since my graduation from university.

I am currently a member in good standing with APEGBC, Registration Number 39402.

I provided project management support, and completed field work on the 2014 exploration program on the Vulcan Property.

The report is supported by geochemical data and samples collected during fieldwork on the Vulcan Property in the Ft. Steele Mining Divisions, during the month of September, 2014.

I have written the assessment report titled "2014 Geological & Geochemical Report for the Vulcan Property", and dated December 12th, 2014 to the exploration program conducted by Eagle Plains Resources Ltd.

Dated this 12th day of December 2014, in Cranbrook, British Columbia.

Michael A. McCuaig

Appendix II
Statement of Expenditures

Vulcan Project					
Geochemical Surveys					**Totals**
Personnel (Name) / Position	**Field Days (list actual days)**	**Days**	**Rate**	**Subtotal**	
Tim Termuende / P.Geo	September 8th, 2014	1.00	$800.00	$800.00	
Chuck Downie / P.Geo	September 8th, 2014	1.00	$800.00	$800.00	
Mike McCuaig / P.Geo	September 5th & 8th, 2014	2.00	$625.00	$1,250.00	
Brad Robison / Geotechnician	September 5th & 8th, 2014	2.00	$525.00	$1,050.00	
Nathan Taylor / Geotechnician	September 5th & 8th, 2014	2.00	$425.00	$850.00	
				$4,750.00	**$4,750.00**
Office Studies	**List Personnel**	**Days**			
Project Management	Mike McCuaig	1.80	$625.00	$1,125.00	
Project Management	Tim Termuende	0.10	$800.00	$80.00	
Project Design/Management	Chuck Downie	0.50	$800.00	$400.00	
Project Design	Aaron Higgs	2.24	$625.00	$1,400.00	
Report preparation	Mike McCuaig	1.07	$625.00	$672.85	
Report preparation	Brad Robison	2.00	$525.00	$1,050.00	
Project & report preparation	Nathan Taylor	5.80	$425.00	$2,465.00	
				$7,192.85	**$7,192.85**
Geochemical Surveying	**Number of Samples**	**No.**	**Rate**	**Subtotal**	
Stream sediment	*4*	4.0	$22.83	$91.33	
Soil	*210*	210.0	$22.83	$4,794.98	
Rock	*2*	2.0	$23.37	$46.74	
				$4,933.05	**$4,933.05**
Transportation		**No.**	**Rate**	**Subtotal**	
Truck Rental		3.00	$100.00	$300.00	
Kilometers		444.00	$0.30	$133.20	
Truck Fuel		152.76	$1.21	$184.84	
Helicopter (hours)		1.0	$1,812.00	$1,812.00	
Fuel (litres)		175.67	$1.50	$263.50	
				$2,693.54	**$2,693.54**
Accommodation & Food	**Rates per day**				
Meals	Actual Cost			$17.91	
				$17.91	**$17.91**
Equipment Rentals			per day		
Field Gear	Pack, vest, compass, hip chain, bear spray, note book	6.00	$10.00	$60.00	
Sat Phone		2.00	$15.00	$30.00	
Hand Held Radios		6.00	$10.00	$60.00	
Chainsaw		3.00	$10.00	$30.00	
				$180.00	**$180.00**
Freight					
Sample Shipping				$131.15	
				$131.15	**$131.15**
TerraLogic Exploration Handling and Adminstration Fees					
				$1,101.50	**$1,101.50**
TOTAL Expenditures					**$21,000.00**

Appendix III
Geochemical Protocol

3.1 – Sampling Techniques
3.2 - Analytic Techniques
3.3 - Software Used

3.1 Handling and Sampling Protocol

All 2014 samples were collected by TerraLogic Exploration Inc employees. The sampling process is standardized and continually monitored for quality assurance and quality control. Four types of samples were collected during the program, these include: rock, silt and soil samples. All samples are described in a field notebook in the field at the time of collection and also have a GPS location recorded at the site. Upon returning to the office all of the sample metadata was input into a digital database. All of the 2014 samples from the Vulcan program were shipped via Greyhound shipping directly to ACME Laboratories at 9050 Shaughnessy St, Vancouver, BC for analysis.

Rock Samples

Rock samples were collected where mineralization was noted. Transported rock materials were sampled as Float, Talus or Subcrop rock sample types, depending on the perceived distance the rock had traveled from its source. Rocks were collected from outcrops as fist sized Grab samples, or as Chip or Channel samples. A Chip sample is a series of continuous and representative samples taken over a set direction and length using a hammer and chisel. Channel samples is a continuous and representative sample using the channel saw. In each case rock samples were recorded on digital access forms in a portable tablet device with a spatial location and a variety of attributes which include: map unit, major rock type, minor rock type, colour fresh, colour weathered, texture, grain size, mineralization major and mineralization minor. All samples were shipped in plastic rice bags with locking plastic straps with unique identification numbers to prevent tampering during the chain of custody.

Soil Samples

Samplers conducted soil sampling traverses over contour lines. Soil lines were laid out using compass bearings and hip chains. Sample spacing during this program consisted 25 meters. Soil samples were collected from pits dug with geotuls to an average depth of 15-30 cm. Where possible the soil sample was collected from the B-Horizon of the soil profile. Attribute data collected for each soil sample included: sample size, quality, depth, slope of sample site, soil horizon, colour and other notes. Sample size is rated from 1-5 with one being much too small sample size and 5 being the perfect sample size, filling roughly ¾ of the sample bag. Quality of the sample rated from 1-5 with 1 being very poor quality and 5 being excellent quality. Factors that include: sample size, soil development and quality (the lack of organics), and depth of sample all contribute to the overall quality attribute.

Silt Samples

Samplers and geologists collected silt samples at any stream they crossed while on a soil line or traverse. Attribute data collected for each silt sample included: sample size, quality, depth, water velocity and tributary order. Samples size is rated on a scale of 1-5 with 1 being a very small sample and 5 being the perfect sample amount, filling roughly ¾ of the sample bag. Factors that include: sample size and silt quality (lack or pebbles or mud) contribute to the overall quality attribute.

Sample Handling and Shipping Procedure

All samples were brought back to the field base camp; here soil and silt samples were arranged in order and laid to dry. Rock samples were also lined up in order of sampler and number. Samples with damaged bags or unclear labels were re-bagged and placed back into order. At the end of the program, a shipment was prepared. This would require one person going through each sample ensuring that all samples were in order and that any missing samples were accounted for with an empty bag marked with the sample number and “LS” for lost sample. The other person would record each sample number to be shipped. Once recorded, the samples were placed in rice bags labeled with the shipment number and addresses. Each shipping bag was kept under 25 kg. The list of samples was compared to the database and any discrepancies investigated. Once the list of samples to be shipped matched the database’s records, the bags were sealed with a zip tie security seal. The bags were shipped by Greyhound from Cranbrook, BC to the ACME Labs in Vancouver, BC.

Sample Preparation, Analysis and Security

The samples from the 2014 program were analyzed using ICP-MS (Mass Spectrometer), ICP-OES (Emission Spectrometer) and Fire Assay methods. The following methods were used during the program and are further described in section 3.2:

Rocks:

R200-250: Crush 1kg to 80% passing -10 mesh, split 250g and pulverize to 85% passing -200 mesh

AQ300 (ICP-OES): 34 element Aqua Regia ICP-OES

FA330 (Au FA): 30 g FA with AAS Finish (Automatic Grav Overlimits)

Soils and Silts

SS80: sieve 100 g to -80 mesh

AQ200 (ICP-MS): 36 element Aqua Regia ICP-MS

FA330 (Au FA): 30 g FA with AAS Finish (Automatic Gravimetric Overlimits)

3.2 Analytical Procedures

AcmeLabs
CARECOMMITMENTPERFORMANCE

METHOD SPECIFICATIONS
GENERAL SAMPLE PREPARATION METHODS

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

Sorting and Inspection: Samples sorted and inspected for quality of use (quantity and condition). Pulp samples inspected for homogeneity and fineness.

SOILS

SS80, S230, SSXX Drying and Sieving: Wet or damp soil samples are dried at 60°C (Air dried or 40°C if specified by the client). Soil and sediment sieved to -80 mesh (SS80) or -230 mesh (S230), unless client specifies otherwise (SSXX). Sieves cleaned by brush and compressed air between samples.

SP100, SCP100 Pulverizing: Soils are pulverized to -100 mesh ASTM with an option of using a mild-steel pulverizer (SP100) or a ceramic pulverizer (SCP100), per 100g.

ROCKS AND DRILL CORE

R200-250, R200-500, R200-1000: Rock and Drill Core crushed to 80% passing 10 mesh (2 mm), homogenized, riffle split (250g, 500g, or 1000g subsample) and pulverized to 85% passing 200 mesh (75 microns). Crusher and pulverizer are cleaned by brush and compressed air between routine samples. Granite/Quartz wash scours equipment after high-grade samples, between changes in rock colour and at end of each file. Granite/Quartz is crushed and pulverized as first sample in sequence and carried through to analysis.

P200, PSCB: Samples requiring pulverizing only are dried at 60°C and pulverized to 85% passing 200 mesh (75 microns), using a mild-steel pulverizer (P200), per 250g or a ceramic pulverizer (PSCB), per 100g.

M150, M200s: Rock and Drill Core are crushed, pulverized and sieved, save +150 and -150 mesh fractions (M150) or +200 and -200 mesh fractions (M200) for metallic Au or Cu analysis. Typically 500g samples are sieved.

HPUL: Rock and Drill Core are pulverized by using a mortar and pestle.

VEGETATION

PM1: Plant material is dried then milled to 1mm

VA475: Up to 0.1 kg of wet vegetation is ashed by heating to 475°C.

WWSH: Plant samples are washed with Type-1 water then dried at 60°C prior to analysis, per 100g.

AQ300, AQ200

Package Description	Geochemical aqua regia digestion
Sample Digestion	HNO3-HCl acid digestion
Instrumentation Method	ICP-ES (AQ300, AQ200), ICP-MS (AQ200)
Legacy Code	1D, 1DX
Applicability	Sediment, Soil, Non-mineralized Rock and Drill Core

METHOD DESCRIPTION:

Prepared sample is digested with a modified Aqua Regia solution of equal parts concentrated HCl, HNO3 and DI H2O for one hour in a heating block or hot water bath. Sample is made up to volume with dilute HCl. Sample splits of 0.5g are analyzed optional 15g or 30g digestion available for AQ200.

Element	AQ300 Detection	AQ200 Detection	Upper Limit
Ag	0.3 ppm	0.1 ppm	100 ppm
Al*	0.01 %	0.01 %	10 %
As	2 ppm	0.5 ppm	10000 ppm
Au	-	0.5 ppb	100 ppm
B*^	20 ppm	20 ppm	2000 ppm
Ba*	1 ppm	1 ppm	10000 ppm
Bi	3 ppm	0.1 ppm	2000 ppm
Ca*	0.01 %	0.01 %	40 %
Cd	0.5 ppm	0.1 ppm	2000 ppm
Co	1 ppm	0.1 ppm	2000 ppm
Cr*	1 ppm	1 ppm	10000 ppm
Cu	1 ppm	0.1 ppm	10000 ppm
Fe*	0.01 %	0.01 %	40 %
Ga*	-	1 ppm	1000 ppm
Hg	1 ppm	0.01 ppm	50 ppm
K*	0.01 %	0.01 %	10 %
La*	1 ppm	1 ppm	10000 ppm
Mg*	0.01 %	0.01 %	30 %
Mn*	2 ppm	1 ppm	10000 ppm
Mo	1 ppm	0.1 ppm	2000 ppm

Element	AQ300 Detection	AQ200 Detection	Upper Limit
Na*	0.01 %	0.001 %	5 %
Ni	1 ppm	0.1 ppm	10000 ppm
P*	0.001 %	0.001 %	5 %
Pb	3 ppm	0.1 ppm	10000 ppm
S	0.05 %	0.05 %	10 %
Sb	3 ppm	0.1 ppm	2000 ppm
Sc	-	0.1 ppm	100 ppm
Se	-	0.5 ppm	100 ppm
Sr*	1 ppm	1 ppm	10000 ppm
Te	-	0.2 ppm	1000 ppm
Th*	2 ppm	0.1 ppm	2000 ppm
Ti*	0.01 %	0.001 %	5 %
Tl	5 ppm	0.1 ppm	1000 ppm
U*	8 ppm	0.1 ppm	2000 ppm
V*	1 ppm	2 ppm	10000 ppm
W*	2 ppm	0.1 ppm	100 ppm
Zn	1 ppm	1 ppm	10000 ppm

* Solubility of some elements will be limited by mineral species present. ^Detection limit = 1 ppm for 15g / 30g analysis.

Limitations:

Au solubility can be limited by refractory and graphitic samples.

FA100, FA300, FA400 & FA500

Package Description:	Precious Metals by Lead Collection Fire Assay
Sample Digestion:	Lead-collection fire assay fusion
Instrumentation Method:	ICP-MS (FA100), ICP-ES (FA300), AAS (FA400), Gravimetric (FA500)
Legacy Codes	3B, G6
Applicability:	Rock, Drill Core

METHOD DESCRIPTION

Prepared sample is custom-blended with fire-assay fluxes, PbO litharge and a silver inquart. Firing the charge at 1050°C liberates Ag, Au and PGEs that report to the molten Pb-metal phase. After cooling the Pb button is recovered, placed in a cupel and fired at 950°C to render a Ag, Au and PGEs dore bead. The bead is then either digested with nitric and hydrochloric acids for instrumentation determination or weighed and parted with nitric acid to dissolve Ag leaving gold which is weighed directly. Ag is determined by difference of the dore bead from the gold in gravimetric analysis.

Element	Detection Limit	Upper Limit
FA100 – ICP-MS		
Au	1 ppb	1 ppm
Pt	0.1 ppb	1 ppm
Pd	0.5 ppb	1 ppm
FA300 – ICP-ES		
Au	2 ppb	10 ppm
Pt	3 ppb	10 ppm
Pd	2 ppb	10 ppm
FA400 – AAS		
Au	5 ppb	10 ppm
FA500-Gravimetric		
Au	0.9 ppm	
Ag	50 ppm	

Note:

*Sulphide-rich samples require a 15g or smaller sample for proper fusion.

3.3 Software

The following is a list of software used in the field and writing of this report:

- Arc GIS 9.3
- Microsoft Access
- Pendragon Forms
- Apache Open Office
- IoGas
- Adobe Acrobat 10

Appendix IV
Sample Location and Description

Appendix 4.1
Rock Sample Locations and Descriptions

Monday, December 08, 2014

Sample Number	Date	Type	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Channel Length (m)	Channel Azimuth	Major Rock Type	Minor Rock Type	Colour	Grain Size	Description
MMVUR001	9/5/2014	chip	assay	GPS	1498	550812	5516395	15	1.5	90	schist	subfeldspathic arenite	moderate brown (orangish)	medium-fine	Composite chip sample across strata containing trace pyrite in silicified quartz rich beds.
MMVUR002	9/8/2014	chip	assay	GPS	2261	547921	5517397	3	1	349	metasiltstone	fragmental	strong brown	medium-fine	1.0 m chip to test pregnant LMC horizon.

Appendix 4.2
Silt Sample Locations and Descriptions

Monday, December 08, 2014

Sample Number	Sampler	Date	Type	Purpose	Location Method	Elevation (m)	Easting	Northing	UTM Zone	Accuracy	Depth	Size	Quality	Turbidity	Description
CDVUS001	CD	8/9/2014	Silt	Assay	GPS	2090	549466	5516971	11N	10					small creek in main basin, low water
TTVUS001	TT	8/9/2014	Silt	Assay	GPS		550470	5516776	11N						0 metres E of 93
TTVUS002	TT	8/9/2014	Silt	Assay	GPS		550093	5516474	11N						Gully
TTVUS003	TT	8/9/2014	Silt	Assay	GPS		550271	5515955	11N						100/80

Appendix 4.3
Soil Sample Locations and Descriptions

Monday, December 08, 2014

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
VUL001 00+00	9/8/2014		assay	GPS	2100	549429.7326	5516878.3	3		20-30	35	B		
VUL001 00+25E	9/8/2014		assay	GPS	2100	549435.5571	5516906.9	12		20-30	35	B		
VUL001 00+25W	9/8/2014		assay	GPS	2100	549426.4978	5516845.9	7		20-30	35	B		
VUL001 00+50E	9/8/2014		assay	GPS	2100	549441.3816	5516935.5	17		20-30	35	B		
VUL001 00+50W	9/8/2014		assay	GPS	2100	549427.4352	5516820.6	6		20-30	35	B		
VUL001 00+75E	9/8/2014		assay	GPS	2100	549451.4667	5516962.8	9		20-30	35	B		
VUL001 00+75W	9/8/2014		assay	GPS	2100	549436.2612	5516797.1	9		20-30	35	B		
VUL001 01+00E	9/8/2014		assay	no sample		549468.3203	5516986.1			20-30	35	B		
VUL001 01+00W	9/8/2014		assay	GPS	2100	549445.9948	5516773.8	6		20-30	35	B		
VUL001 01+25E	9/8/2014		assay	GPS	2100	549492.2875	5517001.2	10		20-30	35	B		
VUL001 01+25W	9/8/2014		assay	GPS	2100	549454.3897	5516749.9	10		20-30	35	B		
VUL001 01+50E	9/8/2014		assay	GPS	2100	549519.7678	5517011.0	5		20-30	35	B		
VUL001 01+50W	9/8/2014		assay	GPS	2100	549450.0679	5516727.2	6		20-30	35	B		
VUL001 01+75E	9/8/2014		assay	GPS	2100	549548.2406	5517017.3	9		20-30	35	B		
VUL001 01+75W	9/8/2014		assay	GPS	2100	549434.829	5516707.2	3		20-30	35	B		
VUL001 02+00E	9/8/2014		assay	GPS	2100	549577.1335	5517018.1	11		20-30	35	B		
VUL001 02+00W	9/8/2014		assay	GPS	2100	549416.9399	5516689.3	3		20-30	35	B		
VUL001 02+25E	9/8/2014		assay	GPS	2100	549605.7081	5517013.6	14		20-30	35	B		
VUL001 02+25W	9/8/2014		assay	GPS	2100	549396.9495	5516673.8	3		20-30	35	B		
VUL001 02+50E	9/8/2014		assay	GPS	2100	549632.7611	5517002.6	10		20-30	35	B		
VUL001 02+50W	9/8/2014		assay	GPS	2100	549373.5471	5516665.8	5		20-30	35	B		
VUL001 02+75E	9/8/2014		assay	GPS	2100	549660.5773	5516999.6	5		20-30	35	B		
VUL001 02+75W	9/8/2014		assay	lost sample	2100	549349.8807	5516657.0	6		20-30	35	B		
VUL001 03+00E	9/8/2014		assay	GPS	2100	549685.2811	5517014.1	6		20-30	35	B		
VUL001 03+00W	9/8/2014		assay	GPS	2100	549325.1411	5516651.8	8		20-30	35	B		
VUL002 00+00	9/8/2014		assay	GPS		549615.1028	5516809.5	4		20-30	35	B	1	

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
VUL002 00+25W	9/8/2014		assay	GPS		549596.9824	5516795.3	4		30-40	35	B	1	Line Start
VUL002 00+50E	9/8/2014		assay	GPS		549665.8974	5516818.5			20-30	35	B	4	
VUL002 00+50W	9/8/2014		assay	GPS		549597.7202	5516767.9	4		20-30	35	B	1	
VUL002 00+75E	9/8/2014		assay	GPS		549691.7178	5516818.2			20-30	35	B	3	
VUL002 00+75W	9/8/2014		assay	GPS		549601.4645	5516740.8	4		20-30	35	B	2	
VUL002 01+00E	9/8/2014		assay	GPS		549717.5381	5516817.9			20-30	35	B	3	
VUL002 01+00W	9/8/2014		assay	GPS		549608.0766	5516714.2	4		20-30	35	B	3	
VUL002 01+25E	9/8/2014		assay	GPS		549743.3585	5516817.6			20-30	35	B	4	
VUL002 01+25W	9/8/2014		assay	GPS		549615.3427	5516687.8	4		20-30	35	B	3	
VUL002 01+50E	9/8/2014		assay	GPS		549769.1789	5516817.3			20-30	35	B	4	
VUL002 01+50W	9/8/2014		assay	GPS		549617.567	5516660.6	4		20-30	35	B	4	
VUL002 01+75E	9/8/2014		assay	GPS		549794.8916	5516815.1			20-30	35	B	4	
VUL002 01+75W	9/8/2014		assay	GPS		549618.9354	5516633.2	4		20-30	35	B	4	
VUL002 02+00E	9/8/2014		assay	GPS		549820.3048	5516810.6			20-30	35	B	4	
VUL002 02+00W	9/8/2014		assay	GPS		549620.0407	5516605.8	4		20-30	35	B	4	
VUL002 02+25E	9/8/2014		assay	GPS		549845.6662	5516805.7			20-30	35	B	4	
VUL002 02+25W	9/8/2014		assay	GPS		549611.2243	5516580.4	4		20-30	35	B	4	
VUL002 02+50E	9/8/2014		assay	GPS		549871.0258	5516800.9			20-30	35	B	4	
VUL002 02+50W	9/8/2014		assay	GPS		549593.1132	5516564.5	4		20-30	35	B	4	
VUL002 02+75E	9/8/2014		assay	GPS		549896.4316	5516796.8			20-30	35	B	4	
VUL002 02+75W	9/8/2014		assay	GPS		549566.0461	5516560.4	4		20-30	35	B	4	
VUL002 03+00E	9/8/2014		assay	GPS		549921.8549	5516800.5	4		20-30	35	B	3	
VUL002 03+00W	9/8/2014		assay	GPS		549540.0327	5516551.9	4		20-30	35	B	5	
VUL003 00+00	9/8/2014		assay	GPS	1899	549995	5516666	10		20 - 40	25	B	3	line start
VUL003 00+25E	9/8/2014		assay	GPS	1901	550014	5516682	9		20 - 40	5	A-B	1	gabbro
VUL003 00+25W	9/8/2014		assay	GPS	1896	549981	5516645	11		20 - 40	30	A-B	2	rocky
VUL003 00+50E	9/8/2014		assay	GPS	1899	550030	5516700	12		20 - 40	20	A	1	gabbro
VUL003 00+50W	9/8/2014		assay	GPS	1899	549960	5516634	4		20 - 40	20	A-B	2	rocky

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
VUL003 00+75E	9/8/2014		assay	GPS	1903	550055	5516696	12		20 - 40	20	B	3	rocky
VUL003 00+75W	9/8/2014		assay	GPS	1896	549932	5516632	11		20 - 40	20	B	3	rocky
VUL003 01+00E	9/8/2014		assay	GPS	1903	550081	5516684	10		20 - 40	20	B	3	rocky
VUL003 01+00W	9/8/2014		assay	GPS	1902	549909	5516642	5		20 - 40	30	B	3	rocky
VUL003 01+25E	9/8/2014		assay	GPS	1902	550104	5516672	9		20 - 40	30	B	3	rocky
VUL003 01+25W	9/8/2014		assay	GPS	1904	549886	5516653	6		20 - 40	15	B	4	rocky
VUL003 01+50E	9/8/2014		assay	GPS	1902	550129	5516666	7		20 - 40	25	B	3	rocky
VUL003 01+50W	9/8/2014		assay	GPS	1903	549855	5516657	8		20 - 40	20	B	3	rocky
VUL003 01+75E	9/8/2014		assay	GPS	1901	550155	5516673	6		20 - 40	20	B	2	rocky
VUL003 01+75W	9/8/2014		assay	GPS	1903	549823	5516659	7		20 - 40	20	A-B	2	rocky
VUL003 02+00E	9/8/2014		assay	GPS	1895	550179	5516685	11		20 - 40	30	B	3	rocky
VUL003 02+00W	9/8/2014		assay	GPS	1901	549792	5516658	7		20 - 40	20	A	1	rocky
VUL003 02+25E	9/8/2014		assay	GPS	1900	550195	5516704	10		20 - 40	20	B	4	rocky
VUL003 02+25W	9/8/2014		assay	GPS	1906	549768	5516657	11		20 - 40	35	A	1	rocky
VUL003 02+50E	9/8/2014		assay	GPS	1901	550214	5516725	13		20 - 40	20	B	4	rocky
VUL003 02+50W	9/8/2014		assay	GPS	1908	549759	5516642	9		20 - 40	20	B-C	2	rocky
VUL003 02+75E	9/8/2014		assay	GPS	1902	550233	5516739	9		20 - 40	20	B	3	rocky
VUL003 02+75W	9/8/2014		assay	GPS	1907	549749	5516628	11		20 - 40	35	B	3	rocky
VUL003 03+00E	9/8/2014		assay	GPS	1899	550251	5516754	8		20 - 40	30	A-B	2	line end
VUL003 03+00W	9/8/2014		assay	GPS	1902	549742	5516603	11		20 - 40	20	B	3	line end
VUL004 00+00	9/8/2014		assay	GPS		550306.7974	5516537.4	4			25	B		Line start
VUL004 00+25E	9/8/2014		assay	GPS		550321.4776	5516557.9	4			25	B		
VUL004 00+25W	9/8/2014		assay	GPS		550292.0205	5516514	4			20	B		Line start
VUL004 00+50E	9/8/2014		assay	GPS		550336.1054	5516578.5	4			25	B		
VUL004 00+50W	9/8/2014		assay	GPS		550273.6031	5516497.3	4			20	B		
VUL004 00+75E	9/8/2014		assay	GPS		550350.3198	5516599.4	4			25	B		
VUL004 00+75W	9/8/2014		assay	GPS		550255.1857	5516480.5	4			20	B		
VUL004 01+00E	9/8/2014		assay	GPS		550367.5583	5516617.7	4			25	B		

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
VUL004 01+00W	9/8/2014		assay	GPS		550234.2889	5516468.2	4			25	B		
VUL004 01+25E	9/8/2014		assay	GPS		550384.7599	5516636.1	4			20	B		
VUL004 01+25W	9/8/2014		assay	GPS		550210.4729	5516461.0	4			20	B		
VUL004 01+50E	9/8/2014		assay	GPS		550401.3323	5516655.2	4			20	B		
VUL004 01+50W	9/8/2014		assay	GPS		550187.203	5516467.3	4			20	B		
VUL004 01+75E	9/8/2014		assay	GPS		550419.6676	5516672.5	4			25	B		
VUL004 01+75W	9/8/2014		assay	GPS		550163.7937	5516475.7	4			20	B		
VUL004 02+00E	9/8/2014		assay	GPS		550431.3857	5516694.7	4			30	B		
VUL004 02+00W	9/8/2014		assay	GPS		550140.169	5516481.7	4			20	B		
VUL004 02+25E	9/8/2014		assay	GPS		550444.5767	5516716.2	4			25	B		
VUL004 02+25W	9/8/2014		assay	GPS		550119.5575	5516469.4	4			20	B		
VUL004 02+50E	9/8/2014		assay	GPS		550458.5093	5516737.3	4			20	B		
VUL004 02+50W	9/8/2014		assay	GPS		550106.5686	5516448.2	4			20	B		
VUL004 02+75E	9/8/2014		assay	GPS		550472.0922	5516758.5	4			20	B		
VUL004 02+75W	9/8/2014		assay	GPS		550090.4617	5516429.4	4			20	B		
VUL004 03+00E	9/8/2014		assay	GPS		550490.8927	5516774.4	4			20	B		Line End
VUL004 03+00W	9/8/2014		assay	GPS		550071.7442	5516414.8	4			25	B		
VUL004 03+25W	9/8/2014		assay	GPS		550047.0362	5516411.9	4			20	B		
VUL004 03+50W	9/8/2014		assay	GPS		550023.1579	5516417.0	4			20	B		
VUL004 03+75W	9/8/2014		assay	GPS		549999.4107	5516424.4	4			20	B		
VUL004 04+00W	9/8/2014		assay	GPS		549975.549	5516431.5	4			20	B		Line End
VUL005 00+00	9/8/2014		assay	GPS	1650	550527.7664	5516423.4	4		30-40	25	B	3	Line start
VUL005 00+25E	9/8/2014		assay	GPS	1650	550547.8203	5516444	4		30-40	35	B	2	Organic
VUL005 00+25W	9/8/2014		assay	GPS	1650	550514.6314	5516409.2	4		30-40	35	B	3	Line start
VUL005 00+50E	9/8/2014		assay	GPS	1650	550567.8741	5516464.6	4		30-40	35	B	4	
VUL005 00+50W	9/8/2014		assay	GPS	1650	550499.3016	5516391.7	4		30-40	25	B	4	
VUL005 00+75E	9/8/2014		assay	GPS	1650	550585.6790	5516487.2	4		30-40	25	B	3	
VUL005 00+75W	9/8/2014		assay	GPS	1650	550483.9718	5516374.2	4		30-40	35	B	5	

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
VUL005 01+00E	9/8/2014		assay	GPS	1650	550599.5430	5516512.1	4		30-40	25	B	2	
VUL005 01+00W	9/8/2014		assay	GPS	1650	550468.6419	5516356.8	4		30-40	35	B	5	
VUL005 01+25E	9/8/2014		assay	GPS	1650	550608.8686	5516539.1	4		30-40	25	B	3	
VUL005 01+25W	9/8/2014		assay	GPS	1650	550452.7552	5516339.8	4		30-40	15	B	4	
VUL005 01+50E	9/8/2014		assay	GPS	1650	550615.8685	5516566.8	4		30-40	35	B	4	Bottom of outcrop
VUL005 01+50W	9/8/2014		assay	GPS	1650	550436.8263	5516322.9	4		30-40	25	B	4	
VUL005 01+75E	9/8/2014		assay	GPS	1650	550632.1412	5516589.3	4		30-40	35	B	3	
VUL005 01+75W	9/8/2014		assay	GPS	1650	550421.3536	5516305.5	4		30-40	35	B	5	
VUL005 02+00E	9/8/2014		assay	GPS	1650	550658.2641	5516599.5	4		30-40	35	B	3	
VUL005 02+00W	9/8/2014		assay	GPS	1650	550406.049	5516288.0	4		30-40	25	B	4	
VUL005 02+25E	9/8/2014		assay	GPS	1650	550684.7830	5516609.7	4		30-40	35	B	4	
VUL005 02+25W	9/8/2014		assay	GPS	1650	550391.2308	5516270.2	4		30-40	25	B	3	
VUL005 02+50E	9/8/2014		assay	GPS	1650	550709.3497	5516624.6	4		30-40	35	B	3	
VUL005 02+50W	9/8/2014		assay	GPS	1650	550378.0639	5516251.0	4		30-40	25	B	4	
VUL005 02+75E	9/8/2014		assay	GPS	1650	550729.9223	5516643.6	4		30-40	35	B	4	
VUL005 02+75W	9/8/2014		assay	GPS	1650	550363.5943	5516233	4		30-40	25	B	3	
VUL005 03+00E	9/8/2014		assay	GPS	1650	550741.2103	5516669.7	4		30-40	15	B	5	Line End
VUL005 03+00W	9/8/2014		assay	GPS	1650	550347.1601	5516216.5	4		30-40	25	B	3	Line End
VUL006 00+00	9/5/2014		assay	GPS	1500	550748.5971	5516336.2	11		20 - 40	15	B	4	line start
VUL006 00+25E	9/5/2014		assay	GPS	1495	550765.7273	5516358.5	10		20 - 40	15	B-C	3	rocky
VUL006 00+25W	9/5/2014		assay	GPS	1495	550732.9273	5516327.5	12		20 - 40	15	B	4	rocky
VUL006 00+50E	9/5/2014		assay	GPS	1498	550782.8574	5516380.8	13		20 - 40	15	B	4	rocky
VUL006 00+50W	9/5/2014		assay	GPS	1500	550711.8219	5516308.9	9		10	15	B	4	rocky
VUL006 00+75E	9/5/2014		assay	no sample	1500	550798.6485	5516404.1	12					0	No Sample
VUL006 00+75W	9/5/2014		assay	GPS	1493	550690.7165	5516290.4	13		20 - 40	15	B	4	rocky
VUL006 01+00E	9/5/2014		assay	GPS	1493	550814.674	5516427.1	10		20 - 40	15	B	3	rocky
VUL006 01+00W	9/5/2014		assay	GPS	1497	550669.8996	5516271.5	14		20 - 40	35	B	3	rocky
VUL006 01+25E	9/5/2014		assay	GPS	1500	550837.6264	5516443.3	9		20 - 40	15	B	4	rocky

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
VUL006 01+25W	9/5/2014		assay	GPS	1503	550650.0143	5516251.6	13		20 - 40	35	A-B	3	stump sample
VUL006 01+50E	9/5/2014		assay	GPS	1499	550860.8394	5516459.2	8		20 - 40	25	B-C	3	rocky
VUL006 01+50W	9/5/2014		assay	GPS	1500	550630.129	5516231.7	8		20 - 40	25	B-C	4	stump sample
VUL006 01+75E	9/5/2014		assay	GPS	1500	550884.8277	5516473.9	17		20 - 40	15	B	5	
VUL006 01+75W	9/5/2014		assay	GPS	1503	550609.7370	5516212.3	10		20 - 40	20	B	3	rocky
VUL006 02+00E	9/5/2014		assay	GPS	1501	550909.16	5516488	12		20 - 40	15	A-B	2	rocky
VUL006 02+00W	9/5/2014		assay	GPS	1500	550589.0208	5516193.3	10		20 - 40	25	B-C	3	rocky
VUL006 02+25E	9/5/2014		assay	GPS	1496	550933.8749	5516501.4	13		10	15	B	4	rocky
VUL006 02+25W	9/5/2014		assay	GPS	1509	550568.3431	5516174.3	13		25	25	B	4	rocky
VUL006 02+50E	9/5/2014		assay	GPS	1499	550958.5899	5516514.8	12		20 - 40	15	B	3	rocky
VUL006 02+50W	9/5/2014		assay	GPS	1508	550548.4578	5516154.4	14		10	25	B	4	rocky
VUL006 02+75E	9/5/2014		assay	GPS	1502	550983.3049	5516528.3	10		20 - 40	25	B	4	rocky
VUL006 02+75W	9/5/2014		assay	GPS	1508	550527.7829	5516135.3	13		20 - 40	35	B-C	3	rocky
VUL006 03+00E	9/5/2014		assay	GPS	1500	551008.0198	5516541.7	12		20 - 40	15	B	4	End of Line
VUL006 03+00W	9/5/2014		assay	GPS	1506	550506.5853	5516116.9	11		20 - 40	25	B	4	End of Line
VUL007 00+00	9/5/2014		assay	GPS	1415	550923.4525	5516224.5	4		0-20	35	B	3	Line start
VUL007 00+25E	9/5/2014		assay	GPS	1415	550942.0038	5516241.8	4		0-20	35	B	3	
VUL007 00+25W	9/5/2014		assay	GPS	1415	550909.0885	5516207.4	4		0-20	35	B	4	Line start
VUL007 00+50E	9/5/2014		assay	GPS	1415	550960.5551	5516259.2	4		0-20	35	B	3	
VUL007 00+50W	9/5/2014		assay	GPS	1415	550888.8810	5516189.6	4		0-20	25	B	3	
VUL007 00+75E	9/5/2014		assay	GPS	1415	550976.8925	5516278.6	4		0-20	35	B	3	
VUL007 00+75W	9/5/2014		assay	GPS	1415	550868.6735	5516171.9	4		0-20	35	B	2	
VUL007 01+00E	9/5/2014		assay	GPS	1415	550992.3432	5516298.7	4		0-20	35	B	4	
VUL007 01+00W	9/5/2014		assay	GPS	1415	550848.4661	5516154.1	4		0-20	35	B	4	
VUL007 01+25E	9/5/2014		assay	GPS	1415	551007.0853	5516319.3	4		0-20	35	B	4	
VUL007 01+25W	9/5/2014		assay	GPS	1415	550828.5346	5516136.1	4		0-20	15	B	4	
VUL007 01+50E	9/5/2014		assay	GPS	1415	551015.5957	5516343.2	4		0-20	35	B	3	
VUL007 01+50W	9/5/2014		assay	GPS	1415	550809.0569	5516117.5	4		30-40	15	B		

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
VUL007 01+75E	9/5/2014		assay	GPS	1415	551030.9846	5516363.1	5		0-20	35	B	3	
VUL007 01+75W	9/5/2014		assay	GPS	1415	550789.7585	5516098.8	4		30-40	15	B	3	
VUL007 02+00E	9/5/2014		assay	GPS	1415	551050.8144	5516377.9	11		0-20	35	B	3	
VUL007 02+00W	9/5/2014		assay	GPS	1415	550771.362	5516079.2	4		30-40	25	B	4	
VUL007 02+25E	9/5/2014		assay	GPS	1415	551074.2767	5516387.7	7		0-20	35	B	3	
VUL007 02+25W	9/5/2014		assay	GPS	1415	550753.5957	5516059.0	4		30-40	35	B	4	
VUL007 02+50E	9/5/2014		assay	GPS	1415	551097.3541	5516398.3	7		0-20	35	B	4	
VUL007 02+50W	9/5/2014		assay	GPS	1415	550736.814	5516038.0	4		20-30	25	B	4	
VUL007 02+75E	9/5/2014		assay	GPS	1415	551117.8740	5516412.8	3		0-20	35	B	3	
VUL007 02+75W	9/5/2014		assay	GPS	1415	550721.6300	5516015.8	4		20-30	25	B	3	
VUL007 03+00E	9/5/2014		assay	GPS	1415	551136.8607	5516429.7	4		0-20	35	B	4	Line End
VUL007 03+00W	9/5/2014		assay	GPS	1415	550707.9923	5515992.6	4		30-40	25	B	4	Line End
VUL008 00+00	9/5/2014		assay	GPS		551082.1406	5516113.7	4		20-30	35	B	1	
VUL008 00+25E	9/5/2014		assay	GPS		551105.1162	5516122.1			20-30	35	B	3	
VUL008 00+25W	9/5/2014		assay	GPS		551067.0926	5516100.7			20-30	35	B	1	
VUL008 00+50E	9/5/2014		assay	GPS		551128.3504	5516129.7			20-30	35	B	4	
VUL008 00+50W	9/5/2014		assay	no sample		551048.6165	5516088.4							
VUL008 00+75E	9/5/2014		assay	GPS		551151.8980	5516136.3			20-30	35	B	3	
VUL008 00+75W	9/5/2014		assay	GPS		551030.1404	5516076.1			20-30	35	B	4	
VUL008 01+00E	9/5/2014		assay	GPS		551170.9480	5516150			20-30	35	B	3	
VUL008 01+00W	9/5/2014		assay	GPS		551011.6644	5516063.7			20-30	35	B	4	
VUL008 01+25E	9/5/2014		assay	no sample		551185.4697	5516169.5							
VUL008 01+25W	9/5/2014		assay	GPS		550993.4802	5516051			20-30	35	B	4	
VUL008 01+50E	9/5/2014		assay	GPS		551195.9865	5516191.5			20-30	35	B	4	
VUL008 01+50W	9/5/2014		assay	GPS		550977.6507	5516036.0			20-30	35	B	4	
VUL008 01+75E	9/5/2014		assay	GPS		551204.8908	5516214.2			20-30	35	B	4	
VUL008 01+75W	9/5/2014		assay	GPS		550966.1679	5516017.0			20-30	35	B	3	
VUL008 02+00E	9/5/2014		assay	GPS		551211.2847	5516237.7			20-30	35	B	4	

Sample Number	Date	Time	Purpose	Location Method	Elevation (m)	Easting	Northing	GPS Accuracy (m)	Colour	Slope	Depth (cm)	Soil Horizon	Quality	Notes
VUL008 02+00W	9/5/2014		assay	GPS		550955.3583	5515997.6			20-30	35	B	3	
VUL008 02+25E	9/5/2014		assay	GPS		551222.7959	5516259.2			20-30	35	B	4	
VUL008 02+25W	9/5/2014		assay	GPS		550944.9686	5515978.0			20-30	35	B	3	
VUL008 02+50E	9/5/2014		assay	GPS		551236.6518	5516279.3			20-30	35	B	4	
VUL008 02+50W	9/5/2014		assay	GPS		550935.0772	5515958.1			20-30	35	B	3	
VUL008 02+75E	9/5/2014		assay	GPS		551251.2959	5516298.9			20-30	35	B	4	
VUL008 02+75W	9/5/2014		assay	GPS		550925.282	5515938.2			20-30	35	B	3	
VUL008 03+00E	9/5/2014		assay	GPS		551265.4527	5516318.9	5		20-30	35	B	3	
VUL008 03+00W	9/5/2014		assay	GPS		550909.0885	5515923.5	6		20-30	35	B	4	

Appendix V
Analytic Certificates

AcmeLabs™
A Bureau Veritas Group Company

www.acmelab.com

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

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 CANADA

Submitted By: Chris Gallagher
Receiving Lab: Canada-Vancouver
Received: September 15, 2014
Report Date: October 07, 2014
Page: 1 of 8

CERTIFICATE OF ANALYSIS VAN14003037.1

CLIENT JOB INFORMATION

Project:	Vulcan
Shipment ID:	VU14-001
P.O. Number	VU14-001
Number of Samples:	205

SAMPLE DISPOSAL

RTRN-PLP	Return
DISP-RJT-SOIL	Immediate Disposal of Soil Reject

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	201	Dry at 60C			VAN
SS80	201	Dry at 60C sieve 100g to -80 mesh			VAN
FA330-Au	201	Fire assay fusion Au by ICP-ES	30	Completed	VAN
AQ200	201	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7
CANADA

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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

AcmeLabs™
A Bureau Veritas Group Company

www.acmelab.com

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

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 CANADA

Project: Vulcan
Report Date: October 07, 2014

CERTIFICATE OF ANALYSIS VAN14003037.1

		Method	FA330	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	2	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
VUL001 00+00	Soil		3	1.6	13.6	11.7	51	0.2	7.8	8.4	490	2.89	5.5	3.7	3.8	9	0.5	0.6	0.8	42	0.11	0.035
VUL001 00+25E	Soil		<2	2.0	13.4	10.1	42	<0.1	4.4	3.0	154	3.56	3.4	2.3	5.1	5	0.2	0.4	0.7	43	0.07	0.025
VUL001 00+50E	Soil		2	4.5	25.5	11.2	39	<0.1	6.8	4.3	191	3.65	13.1	2.8	5.8	5	0.1	0.2	0.8	40	0.07	0.045
VUL001 00+75E	Soil		<2	2.7	32.7	11.3	73	0.1	13.7	22.1	931	3.45	37.6	1.8	1.3	9	0.4	0.3	0.6	57	0.20	0.060
VUL001 01+00E	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
VUL001 01+25E	Soil		<2	0.9	59.6	8.9	90	<0.1	26.2	28.0	565	4.36	29.9	1.0	3.6	26	0.1	0.3	0.3	101	0.19	0.040
VUL001 01+50E	Soil		<2	2.3	23.1	14.1	90	<0.1	15.0	22.7	1257	2.97	18.1	0.9	0.9	9	0.2	0.5	0.4	52	0.16	0.056
VUL001 01+75E	Soil		<2	3.3	58.8	13.8	60	0.2	39.0	33.6	396	3.86	25.8	1.0	7.6	11	0.1	0.3	0.5	58	0.17	0.038
VUL001 02+25E	Soil		<2	2.5	18.4	7.5	41	<0.1	10.7	7.7	213	2.72	4.9	<0.5	5.1	6	0.1	0.3	0.4	45	0.12	0.023
VUL001 02+50E	Soil		<2	1.7	26.9	6.9	37	<0.1	14.2	8.6	167	2.98	7.0	1.6	6.3	6	<0.1	0.1	0.4	52	0.09	0.036
VUL001 02+75E	Soil		<2	0.9	32.6	8.8	67	<0.1	17.8	13.7	290	3.48	14.4	0.8	3.2	7	0.1	0.3	0.2	75	0.14	0.044
VUL001 03+00E	Soil		6	0.6	52.9	11.3	79	<0.1	24.9	26.5	1093	2.92	39.7	3.5	0.7	22	0.6	0.3	0.8	76	0.53	0.075
VUL001 00+25W	Soil		<2	1.2	30.4	16.1	66	<0.1	11.8	12.0	534	3.52	5.8	1.0	5.7	8	0.2	0.2	0.5	52	0.10	0.045
VUL001 00+50W	Soil		<2	1.0	52.7	12.0	114	0.1	34.1	55.7	1486	4.18	48.8	0.8	1.4	10	0.3	0.3	0.8	90	0.17	0.069
VUL001 00+75W	Soil		3	0.8	81.5	10.5	76	0.1	30.2	20.8	474	3.68	14.0	1.9	1.9	12	0.3	0.4	0.7	61	0.16	0.065
VUL001 01+00W	Soil		3	0.7	41.4	13.5	49	<0.1	24.2	12.0	219	3.06	9.3	4.7	1.5	5	0.2	0.5	0.9	69	0.10	0.028
VUL001 01+25W	Soil		<2	0.6	31.2	8.8	60	<0.1	34.6	15.4	301	3.16	5.0	0.7	1.9	5	<0.1	0.3	0.3	77	0.11	0.029
VUL001 01+50W	Soil		2	0.6	13.0	14.5	71	<0.1	26.8	11.2	411	3.01	5.1	1.2	1.8	4	0.2	0.4	0.3	78	0.09	0.032
VUL001 01+75W	Soil		<2	1.0	27.7	9.9	63	<0.1	23.2	10.8	281	2.52	6.9	0.8	4.0	5	0.1	0.5	0.3	56	0.10	0.055
VUL001 02+00W	Soil		<2	0.8	19.6	10.8	76	<0.1	45.6	12.6	350	3.38	4.8	<0.5	4.5	7	<0.1	0.4	0.3	66	0.15	0.115
VUL001 02+25W	Soil		<2	0.6	19.7	8.1	54	<0.1	37.5	12.7	178	2.93	7.8	<0.5	3.7	6	0.1	0.3	0.5	61	0.11	0.025
VUL001 02+50W	Soil		<2	0.5	37.4	5.4	39	<0.1	30.0	12.9	192	2.83	4.6	0.9	8.0	5	<0.1	0.2	0.5	60	0.08	0.025
VUL001 03+00W	Soil		<2	0.8	30.7	7.5	55	<0.1	22.2	11.1	192	3.25	5.3	<0.5	6.9	5	<0.1	0.3	0.4	59	0.09	0.033
VUL002 00+00	Soil		<2	1.1	19.6	20.9	56	0.1	9.7	16.4	596	2.53	5.9	1.0	0.7	9	0.4	0.3	0.5	36	0.13	0.069
VUL002 00+25E	Soil		<2	2.1	16.6	35.6	47	0.1	10.2	10.3	497	1.89	15.4	0.6	0.5	14	0.7	0.6	0.3	42	0.38	0.051
VUL002 00+50E	Soil		<2	2.7	17.6	14.4	44	<0.1	10.5	7.3	238	2.29	8.2	1.4	0.8	8	0.2	0.3	0.3	49	0.16	0.044
VUL002 00+75E	Soil		<2	0.8	31.1	10.4	78	<0.1	14.9	15.9	975	2.54	10.2	0.5	0.3	13	0.3	0.2	0.3	54	0.21	0.066
VUL002 01+00E	Soil		<2	0.6	31.4	8.4	59	<0.1	14.9	12.4	389	2.99	10.4	0.8	1.5	7	0.1	0.2	0.4	66	0.13	0.036
VUL002 01+25E	Soil		<2	0.9	47.2	8.3	47	<0.1	18.9	17.0	380	3.53	18.8	<0.5	1.4	10	0.2	0.3	0.6	68	0.21	0.037
VUL002 01+50E	Soil		<2	0.6	34.5	6.7	44	<0.1	15.2	11.7	211	2.41	11.4	1.2	5.1	5	0.1	0.2	0.3	44	0.11	0.040

AcmeLabs™
A Bureau Veritas Group Company

www.acmelab.com

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

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 CANADA

Project: Vulcan
Report Date: October 07, 2014

CERTIFICATE OF ANALYSIS VAN14003037.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		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	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
VUL001 00+00	Soil		10	21	0.32	72	0.177	<20	0.93	0.008	0.28	0.3	0.04	1.5	0.5	<0.05	8	<0.5	<0.2
VUL001 00+25E	Soil		12	21	0.40	70	0.193	<20	1.92	0.007	0.22	0.2	0.04	2.5	0.3	<0.05	10	<0.5	<0.2
VUL001 00+50E	Soil		27	26	0.63	73	0.147	<20	2.06	0.008	0.48	0.3	0.03	2.2	0.3	<0.05	5	1.2	<0.2
VUL001 00+75E	Soil		17	26	0.53	71	0.131	<20	2.15	0.013	0.28	1.6	0.04	2.1	0.4	0.11	8	1.4	<0.2
VUL001 01+00E	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
VUL001 01+25E	Soil		9	49	1.08	170	0.200	<20	2.52	0.014	0.60	0.4	0.01	3.6	0.4	0.05	9	<0.5	<0.2
VUL001 01+50E	Soil		13	28	0.62	105	0.141	<20	1.81	0.012	0.46	1.0	0.02	2.0	0.3	0.11	9	<0.5	<0.2
VUL001 01+75E	Soil		24	36	0.80	107	0.177	<20	2.65	0.011	0.55	0.7	0.03	4.1	0.5	0.09	9	1.1	<0.2
VUL001 02+25E	Soil		7	23	0.55	77	0.167	<20	1.44	0.007	0.34	0.3	0.01	2.6	0.2	<0.05	8	<0.5	<0.2
VUL001 02+50E	Soil		11	35	0.66	77	0.158	<20	1.67	0.007	0.28	0.3	0.02	3.5	0.2	<0.05	7	<0.5	<0.2
VUL001 02+75E	Soil		6	53	0.71	89	0.174	<20	2.77	0.010	0.32	0.7	0.04	2.6	0.2	<0.05	10	<0.5	<0.2
VUL001 03+00E	Soil		30	57	0.98	157	0.124	<20	2.67	0.029	0.38	1.1	0.01	2.7	0.4	0.08	7	0.9	<0.2
VUL001 00+25W	Soil		23	28	0.83	78	0.171	<20	1.67	0.008	0.46	0.7	0.02	4.2	0.4	0.09	8	<0.5	<0.2
VUL001 00+50W	Soil		15	47	1.25	135	0.159	<20	2.81	0.009	0.56	3.9	0.03	4.1	0.7	0.10	10	<0.5	<0.2
VUL001 00+75W	Soil		8	18	0.87	111	0.146	<20	2.88	0.008	0.28	4.6	0.05	2.5	0.4	<0.05	9	<0.5	<0.2
VUL001 01+00W	Soil		4	49	0.67	50	0.179	<20	2.05	0.009	0.13	4.8	0.04	1.9	0.3	<0.05	12	<0.5	<0.2
VUL001 01+25W	Soil		4	89	0.97	69	0.166	<20	3.55	0.011	0.16	0.8	0.04	2.6	0.2	<0.05	10	<0.5	<0.2
VUL001 01+50W	Soil		4	128	0.79	78	0.190	<20	2.39	0.008	0.17	0.9	0.04	2.0	0.3	<0.05	11	<0.5	<0.2
VUL001 01+75W	Soil		6	81	0.56	74	0.182	<20	4.02	0.007	0.14	0.7	0.08	3.3	0.2	<0.05	10	0.6	<0.2
VUL001 02+00W	Soil		6	65	1.01	94	0.236	<20	2.73	0.008	0.13	1.0	0.03	2.3	0.2	<0.05	11	<0.5	<0.2
VUL001 02+25W	Soil		5	84	0.75	59	0.170	<20	2.13	0.007	0.16	0.7	0.02	2.3	0.3	<0.05	8	<0.5	<0.2
VUL001 02+50W	Soil		8	67	0.83	53	0.153	<20	1.90	0.005	0.22	1.3	0.02	3.4	0.2	<0.05	7	<0.5	<0.2
VUL001 03+00W	Soil		9	61	0.84	62	0.165	<20	2.88	0.006	0.21	2.4	0.04	4.0	0.3	<0.05	8	<0.5	<0.2
VUL002 00+00	Soil		16	24	0.59	73	0.098	<20	1.34	0.008	0.37	0.3	0.03	1.8	0.3	<0.05	6	<0.5	<0.2
VUL002 00+25E	Soil		10	27	0.44	67	0.089	<20	1.31	0.009	0.24	1.3	0.05	1.9	0.2	0.08	6	0.5	<0.2
VUL002 00+50E	Soil		6	27	0.44	111	0.122	<20	1.19	0.007	0.26	0.6	0.04	1.7	0.2	<0.05	8	<0.5	<0.2
VUL002 00+75E	Soil		6	28	0.57	131	0.090	<20	1.69	0.011	0.42	0.6	0.02	1.3	0.3	<0.05	7	<0.5	<0.2
VUL002 01+00E	Soil		6	29	0.63	93	0.147	<20	1.92	0.009	0.30	0.9	0.02	2.3	0.3	<0.05	8	<0.5	<0.2
VUL002 01+25E	Soil		6	28	0.70	113	0.137	<20	1.99	0.008	0.42	1.6	0.03	2.6	0.2	<0.05	9	<0.5	<0.2
VUL002 01+50E	Soil		8	30	0.60	68	0.126	<20	2.56	0.007	0.29	0.7	0.04	2.9	0.2	<0.05	6	0.5	<0.2

AcmeLabs™
A Bureau Veritas Group Company

www.acmelab.com

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

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 CANADA

Project: Vulcan
Report Date: October 07, 2014

CERTIFICATE OF ANALYSIS VAN14003037.1

		Method	FA330	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	2	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
VUL002 01+75E	Soil		<2	0.5	27.8	10.4	49	<0.1	19.9	12.8	200	2.49	7.0	0.8	5.1	4	<0.1	0.3	0.2	55	0.12	0.024
VUL002 02+00E	Soil		<2	0.5	22.5	8.1	54	<0.1	19.5	11.4	180	2.51	4.3	<0.5	2.7	5	0.1	0.2	0.3	65	0.11	0.038
VUL002 02+25E	Soil		<2	0.6	37.5	8.5	54	<0.1	21.6	14.1	187	2.61	6.0	<0.5	4.1	5	0.1	0.2	0.2	60	0.12	0.029
VUL002 02+50E	Soil		<2	0.5	32.4	8.9	50	<0.1	29.9	16.8	191	2.75	5.8	0.7	4.0	7	<0.1	0.1	0.2	60	0.11	0.018
VUL002 02+75E	Soil		<2	0.4	38.2	9.1	72	<0.1	27.8	17.7	450	2.50	5.5	<0.5	2.5	10	0.1	0.2	0.3	61	0.18	0.046
VUL003+00E	Soil		<2	0.6	24.4	9.1	62	<0.1	15.4	12.5	191	2.60	5.3	0.7	2.9	5	0.2	0.2	0.3	51	0.11	0.034
VUL002 00+25W	Soil		<2	0.9	21.8	9.6	38	<0.1	13.2	9.6	203	2.90	12.5	<0.5	1.8	7	0.1	0.3	0.6	70	0.21	0.029
VUL002 00+50W	Soil		<2	1.1	22.0	10.8	41	<0.1	14.5	11.1	224	3.20	13.2	2.1	2.0	8	0.2	0.3	0.7	71	0.22	0.029
VUL002 00+75W	Soil		<2	0.7	16.8	8.9	40	<0.1	13.0	8.0	145	2.84	6.1	0.9	2.3	4	0.1	0.3	0.6	70	0.09	0.022
VUL002 01+00W	Soil		<2	0.7	15.2	7.3	26	<0.1	15.9	6.6	121	2.86	4.5	1.9	5.1	4	<0.1	0.2	0.4	66	0.09	0.031
VUL002 01+25W	Soil		<2	1.1	22.7	8.8	38	0.1	8.8	4.8	131	3.01	8.4	0.6	5.6	6	0.1	0.2	0.4	40	0.08	0.064
VUL002 01+50W	Soil		<2	1.2	39.9	10.2	42	<0.1	13.4	5.8	150	3.77	13.3	2.2	8.3	6	<0.1	0.4	0.5	32	0.06	0.048
VUL002 01+75W	Soil		<2	0.8	15.8	10.9	41	<0.1	13.2	6.1	132	2.78	6.8	0.5	6.7	5	<0.1	0.4	0.3	32	0.07	0.046
VUL002 02+00W	Soil		<2	1.0	35.6	7.9	44	<0.1	14.6	7.7	151	3.31	8.3	0.6	8.2	7	<0.1	0.2	0.4	29	0.07	0.040
VUL002 02+25W	Soil		<2	0.7	16.0	10.4	42	<0.1	14.5	6.0	151	3.08	6.3	0.8	7.9	4	<0.1	0.2	0.3	30	0.07	0.035
VUL002 02+50W	Soil		<2	1.1	46.6	13.5	48	<0.1	18.0	8.0	230	3.72	9.3	1.3	10.8	9	0.2	0.5	0.4	31	0.09	0.056
VUL002 02+75W	Soil		<2	1.4	17.7	11.9	42	<0.1	8.2	4.1	126	3.24	6.0	<0.5	8.0	6	<0.1	0.3	0.5	28	0.07	0.045
VUL002 03+00W	Soil		<2	0.7	20.0	9.6	46	<0.1	21.4	9.9	179	2.78	5.4	0.9	4.3	6	<0.1	0.2	0.3	51	0.11	0.042
VUL003 00+00E	Soil		3	0.7	75.4	10.9	56	<0.1	30.7	15.8	272	2.50	7.3	1.0	3.2	9	0.1	0.3	0.3	44	0.14	0.056
VUL003 00+25E	Soil		2	0.4	68.6	13.9	101	0.2	23.4	14.1	1913	1.63	3.7	<0.5	0.7	14	0.4	0.2	0.3	29	0.23	0.067
VUL003 00+50E	Soil		<2	1.3	20.4	12.4	31	0.3	9.2	5.9	112	2.83	6.2	1.0	2.4	8	0.4	0.4	0.4	55	0.17	0.038
VUL003 00+75E	Soil		<2	0.5	23.0	10.8	63	<0.1	15.9	9.9	174	2.57	5.6	<0.5	5.0	4	0.1	0.2	0.5	42	0.09	0.023
VUL003 01+00E	Soil		<2	0.6	19.6	22.6	140	<0.1	17.7	11.8	180	2.42	3.8	0.7	4.7	6	0.2	0.2	0.4	41	0.09	0.029
VUL003 01+25E	Soil		<2	1.0	14.5	66.0	153	0.2	9.5	6.6	203	2.52	4.5	<0.5	5.8	6	0.3	0.3	0.4	41	0.09	0.050
VUL003 01+75E	Soil		<2	0.7	11.2	52.5	153	0.5	12.0	5.6	302	2.26	3.2	<0.5	4.9	4	0.3	0.3	0.5	32	0.07	0.060
VUL003 02+00E	Soil		<2	0.8	26.1	31.4	161	<0.1	28.0	10.3	447	2.89	6.2	0.6	8.0	6	0.2	0.3	0.6	37	0.10	0.054
VUL003 02+25E	Soil		<2	0.5	31.0	159.2	562	0.1	143.8	32.1	662	2.99	3.9	0.6	5.2	11	0.9	0.2	0.8	44	0.16	0.027
VUL003 02+50E	Soil		<2	1.7	40.4	36.0	238	0.1	25.5	18.2	341	3.62	4.7	<0.5	8.3	7	0.2	0.2	0.7	52	0.10	0.033
VUL003 02+75E	Soil		<2	1.2	63.5	28.1	169	0.1	28.0	18.8	320	3.36	4.4	0.9	10.4	8	0.2	0.2	0.5	41	0.11	0.035
VUL003 03+00E	Soil		<2	1.1	32.0	24.0	120	<0.1	23.2	15.6	427	3.49	5.9	<0.5	9.6	7	0.2	0.3	0.5	36	0.09	0.042

AcmeLabs™
A Bureau Veritas Group Company

www.acmelab.com

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

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 CANADA

Project: Vulcan
Report Date: October 07, 2014

CERTIFICATE OF ANALYSIS VAN14003037.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		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	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
VUL002 01+75E	Soil		7	48	0.74	88	0.140	<20	2.66	0.009	0.23	0.6	0.02	2.9	0.2	<0.05	7	<0.5	<0.2
VUL002 02+00E	Soil		4	45	0.63	67	0.140	<20	2.26	0.009	0.13	0.5	0.02	2.6	0.2	<0.05	8	<0.5	<0.2
VUL002 02+25E	Soil		8	43	0.67	72	0.140	<20	3.08	0.010	0.22	0.6	0.04	3.4	0.2	<0.05	7	<0.5	<0.2
VUL002 02+50E	Soil		6	56	0.87	103	0.140	<20	2.67	0.007	0.32	0.5	0.02	3.8	0.3	<0.05	7	<0.5	<0.2
VUL002 02+75E	Soil		4	41	0.71	125	0.145	<20	3.38	0.013	0.26	0.5	0.02	2.7	0.3	<0.05	9	<0.5	<0.2
VUL003+00E	Soil		4	23	0.50	72	0.138	<20	2.86	0.009	0.20	0.7	0.03	2.7	0.3	<0.05	8	<0.5	<0.2
VUL002 00+25W	Soil		7	18	0.62	63	0.163	<20	1.38	0.006	0.27	1.6	0.01	2.4	0.2	<0.05	8	<0.5	<0.2
VUL002 00+50W	Soil		8	20	0.67	67	0.170	<20	1.50	0.007	0.26	1.6	0.02	2.4	0.2	0.05	8	<0.5	<0.2
VUL002 00+75W	Soil		5	22	0.50	45	0.178	<20	1.61	0.006	0.13	1.8	0.03	2.1	0.2	<0.05	10	<0.5	<0.2
VUL002 01+00W	Soil		7	28	0.52	42	0.183	<20	1.45	0.007	0.15	0.9	0.02	2.4	0.2	<0.05	9	<0.5	<0.2
VUL002 01+25W	Soil		10	17	0.31	68	0.154	<20	2.78	0.007	0.16	0.4	0.06	2.2	0.2	<0.05	9	<0.5	<0.2
VUL002 01+50W	Soil		13	18	0.33	56	0.136	<20	1.82	0.004	0.21	0.6	0.03	2.1	0.3	<0.05	7	<0.5	<0.2
VUL002 01+75W	Soil		9	15	0.29	51	0.145	<20	1.98	0.005	0.21	0.4	0.05	2.1	0.3	<0.05	8	<0.5	<0.2
VUL002 02+00W	Soil		14	19	0.41	79	0.149	<20	2.18	0.005	0.27	0.2	0.03	2.7	0.3	<0.05	7	<0.5	<0.2
VUL002 02+25W	Soil		9	17	0.34	58	0.151	<20	1.91	0.005	0.24	0.3	0.05	2.1	0.4	<0.05	8	<0.5	<0.2
VUL002 02+50W	Soil		19	20	0.47	95	0.182	<20	2.30	0.005	0.30	0.4	0.04	2.6	0.4	0.05	7	<0.5	<0.2
VUL002 02+75W	Soil		10	13	0.33	69	0.169	<20	2.63	0.006	0.16	0.3	0.04	2.7	0.3	<0.05	8	<0.5	<0.2
VUL002 03+00W	Soil		5	62	0.64	73	0.160	<20	2.60	0.008	0.16	0.9	0.02	2.4	0.2	<0.05	8	<0.5	<0.2
VUL003 00+00E	Soil		5	38	0.58	114	0.141	<20	4.06	0.012	0.18	0.6	0.06	3.7	0.2	<0.05	9	<0.5	<0.2
VUL003 00+25E	Soil		4	31	0.33	235	0.075	<20	1.81	0.024	0.07	0.6	0.04	1.5	0.2	<0.05	8	<0.5	<0.2
VUL003 00+50E	Soil		5	21	0.32	74	0.157	<20	1.62	0.008	0.13	0.7	0.06	2.2	0.1	<0.05	11	<0.5	<0.2
VUL003 00+75E	Soil		8	28	0.59	76	0.135	<20	1.83	0.005	0.22	1.0	0.02	3.0	0.2	<0.05	6	<0.5	<0.2
VUL003 01+00E	Soil		7	30	0.58	115	0.136	<20	2.32	0.006	0.25	0.8	0.03	3.7	0.2	<0.05	6	<0.5	<0.2
VUL003 01+25E	Soil		5	14	0.30	90	0.179	<20	3.15	0.010	0.10	0.6	0.06	3.3	0.2	<0.05	11	<0.5	<0.2
VUL003 01+75E	Soil		5	19	0.22	63	0.136	<20	1.72	0.008	0.09	0.2	0.04	1.6	0.3	<0.05	8	<0.5	<0.2
VUL003 02+00E	Soil		10	40	0.51	104	0.165	<20	2.18	0.006	0.24	0.7	0.04	2.3	0.4	<0.05	8	<0.5	<0.2
VUL003 02+25E	Soil		15	216	1.15	109	0.215	<20	2.46	0.008	0.19	0.6	0.02	2.1	0.4	<0.05	9	<0.5	<0.2
VUL003 02+50E	Soil		14	44	0.69	110	0.208	<20	2.90	0.006	0.48	0.7	0.04	3.7	0.6	<0.05	8	<0.5	<0.2
VUL003 02+75E	Soil		15	39	0.68	126	0.203	<20	3.25	0.006	0.43	1.0	0.06	3.2	0.6	<0.05	8	<0.5	<0.2
VUL003 03+00E	Soil		21	23	0.49	132	0.197	<20	2.31	0.006	0.40	0.5	0.03	2.5	0.5	<0.05	8	<0.5	<0.2

AcmeLabs™
A Bureau Veritas Group Company

www.acmelab.com

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

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 CANADA

Project: Vulcan
Report Date: October 07, 2014

CERTIFICATE OF ANALYSIS VAN14003037.1

		Method	FA330	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	2	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
VUL003 00+25W	Soil		<2	0.7	56.3	11.5	40	<0.1	23.8	12.1	157	1.96	5.0	<0.5	2.8	10	0.2	0.3	0.3	34	0.12	0.061
VUL003 00+50W	Soil		<2	0.7	178.2	12.8	67	0.1	75.4	17.1	458	2.58	6.3	<0.5	2.7	8	0.2	0.5	0.4	42	0.15	0.047
VUL003 00+75W	Soil		<2	0.6	82.3	8.4	55	<0.1	42.6	17.6	183	2.42	4.3	<0.5	2.8	11	0.1	0.2	0.2	48	0.15	0.029
VUL003 01+00W	Soil		<2	0.8	30.7	8.3	54	<0.1	22.5	14.2	174	2.49	4.3	<0.5	3.2	7	0.1	0.2	0.2	45	0.14	0.027
VUL003 01+25W	Soil		<2	0.7	16.6	10.9	67	0.2	11.9	7.9	132	2.36	4.6	<0.5	3.1	7	0.2	0.4	0.3	38	0.11	0.076
VUL003 01+50W	Soil		3	0.5	14.9	10.0	46	<0.1	13.8	8.0	156	2.54	4.7	<0.5	2.8	6	0.1	0.2	0.2	52	0.14	0.037
VUL003 01+75W	Soil		7	0.6	27.1	9.2	46	0.2	16.1	9.5	162	2.24	5.0	<0.5	2.3	5	0.2	0.2	0.2	46	0.11	0.031
VUL003 02+00W	Soil		<2	1.3	26.4	11.0	37	0.1	12.9	8.7	218	2.27	7.9	<0.5	0.4	13	0.3	0.2	0.3	37	0.22	0.049
VUL003 02+25W	Soil		5	0.9	28.0	13.8	96	0.1	13.9	15.2	1260	2.89	7.5	<0.5	0.4	7	0.3	0.2	0.4	53	0.13	0.076
VUL003 02+50W	Soil		<2	0.9	52.2	8.4	38	<0.1	16.5	12.2	238	3.04	11.3	1.0	4.8	5	<0.1	0.1	0.3	48	0.12	0.062
VUL003 02+75W	Soil		<2	1.2	15.8	10.8	42	0.2	7.6	4.2	134	3.03	6.8	<0.5	4.4	7	0.1	0.2	0.5	35	0.08	0.042
VUL003 03+00W	Soil		<2	1.2	25.9	9.5	38	<0.1	9.1	4.8	179	3.41	9.6	<0.5	6.5	7	0.1	0.2	0.5	34	0.08	0.052
VUL004 00+00	Soil		<2	0.7	14.6	25.6	110	0.1	9.2	7.1	379	1.92	3.7	<0.5	4.6	14	0.2	0.1	0.6	29	0.15	0.078
VUL004 00+25E	Soil		<2	0.4	9.6	19.8	111	0.1	9.1	8.1	424	2.09	4.5	0.8	5.5	9	0.3	0.2	0.6	41	0.13	0.097
VUL004 00+50E	Soil		<2	0.8	14.2	16.5	151	0.2	12.3	8.3	181	2.23	4.4	<0.5	5.9	8	0.3	0.2	0.6	40	0.10	0.083
VUL004 00+75E	Soil		<2	0.8	14.6	19.9	115	0.1	13.3	7.1	186	2.56	4.6	0.9	7.1	6	0.1	0.2	0.7	41	0.09	0.063
VUL004 01+00E	Soil		4	0.7	21.7	23.1	113	0.1	23.7	11.5	226	2.46	5.0	0.9	6.1	12	0.2	0.2	0.7	34	0.16	0.108
VUL004 01+25E	Soil		<2	0.9	13.3	19.2	109	0.3	11.9	9.1	198	2.51	5.8	1.1	7.0	13	0.4	0.4	0.6	44	0.15	0.176
VUL004 01+50E	Soil		<2	0.5	12.5	18.6	119	0.2	10.5	7.3	265	2.13	4.9	1.0	5.9	19	0.4	0.2	0.6	38	0.20	0.220
VUL004 01+75E	Soil		<2	0.9	14.9	16.8	105	0.5	11.4	8.7	194	2.03	6.8	<0.5	4.3	11	0.4	0.1	0.5	29	0.11	0.155
VUL004 02+00E	Soil		<2	1.0	34.5	20.2	92	0.1	19.3	13.6	258	3.32	9.1	1.6	7.5	8	0.2	0.2	0.9	55	0.12	0.029
VUL004 02+25E	Soil		<2	0.5	31.6	20.7	77	<0.1	17.9	12.2	251	2.26	8.3	<0.5	7.9	16	0.1	0.1	0.8	33	0.21	0.061
VUL004 02+50E	Soil		3	1.3	136.2	17.2	79	<0.1	21.1	13.4	193	2.86	14.2	0.8	6.3	7	<0.1	0.3	0.7	45	0.11	0.055
VUL004 02+75E	Soil		<2	1.3	20.4	18.5	92	0.2	10.9	6.0	185	3.30	8.0	<0.5	8.0	5	0.2	0.2	0.8	38	0.08	0.029
VUL004 03+00E	Soil		<2	0.6	33.4	24.4	94	<0.1	19.1	15.3	253	2.62	8.8	0.9	7.9	7	0.1	0.1	0.6	48	0.15	0.034
VUL004 00+25W	Soil		<2	0.6	12.8	19.8	117	0.2	10.4	8.7	249	2.18	5.3	<0.5	5.3	9	0.2	0.3	0.5	39	0.12	0.140
VUL004 00+50W	Soil		<2	0.5	11.6	18.1	154	<0.1	11.0	13.6	451	2.57	3.7	0.7	8.4	18	0.4	0.1	0.5	52	0.26	0.122
VUL004 00+75W	Soil		3	0.6	20.1	19.6	102	<0.1	12.8	10.4	294	2.58	6.8	1.2	7.1	11	0.1	0.1	0.7	44	0.18	0.118
VUL004 01+00W	Soil		2	0.7	15.7	19.9	83	<0.1	9.9	8.9	217	2.37	5.8	<0.5	6.2	9	0.1	0.3	0.5	42	0.13	0.110
VUL004 01+25W	Soil		<2	0.6	19.0	22.5	95	<0.1	10.2	10.5	302	2.65	4.6	<0.5	4.5	9	<0.1	0.3	0.4	49	0.13	0.069

AcmeLabs™
A Bureau Veritas Group Company

www.acmelab.com

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

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 CANADA

Project: Vulcan
Report Date: October 07, 2014

CERTIFICATE OF ANALYSIS VAN14003037.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		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	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
VUL003 00+25W	Soil		4	35	0.34	64	0.140	<20	4.87	0.016	0.06	0.5	0.07	2.2	0.1	<0.05	10	<0.5	<0.2
VUL003 00+50W	Soil		4	45	0.43	90	0.147	<20	3.87	0.012	0.09	0.6	0.05	2.3	0.2	<0.05	11	<0.5	<0.2
VUL003 00+75W	Soil		5	91	0.78	101	0.146	<20	3.80	0.011	0.14	0.4	0.02	3.3	0.1	<0.05	9	<0.5	<0.2
VUL003 01+00W	Soil		6	38	0.69	78	0.132	<20	2.77	0.011	0.20	0.4	0.02	2.7	0.2	<0.05	8	<0.5	<0.2
VUL003 01+25W	Soil		4	22	0.26	50	0.160	<20	3.98	0.015	0.07	0.5	0.06	2.3	0.1	<0.05	11	<0.5	<0.2
VUL003 01+50W	Soil		5	39	0.52	61	0.131	<20	2.05	0.010	0.12	0.5	0.03	2.2	0.2	<0.05	8	<0.5	<0.2
VUL003 01+75W	Soil		7	42	0.57	52	0.114	<20	1.98	0.010	0.17	0.5	0.04	2.3	0.2	<0.05	7	<0.5	<0.2
VUL003 02+00W	Soil		7	32	0.45	68	0.095	<20	1.37	0.010	0.21	0.6	0.03	1.4	0.2	<0.05	7	<0.5	<0.2
VUL003 02+25W	Soil		7	32	0.53	137	0.107	<20	1.89	0.007	0.34	0.4	0.03	1.7	0.2	0.05	9	<0.5	<0.2
VUL003 02+50W	Soil		13	29	0.63	96	0.120	<20	1.60	0.009	0.48	2.5	<0.01	3.1	0.3	<0.05	6	<0.5	<0.2
VUL003 02+75W	Soil		10	21	0.35	66	0.182	<20	2.07	0.006	0.19	0.5	0.04	2.2	0.3	<0.05	11	<0.5	<0.2
VUL003 03+00W	Soil		14	25	0.55	73	0.164	<20	2.03	0.005	0.27	0.5	0.02	2.9	0.3	<0.05	7	<0.5	<0.2
VUL004 00+00	Soil		7	13	0.36	110	0.120	<20	1.45	0.007	0.17	1.2	0.02	1.7	0.3	<0.05	6	<0.5	<0.2
VUL004 00+25E	Soil		8	13	0.32	82	0.142	<20	1.37	0.008	0.13	1.7	0.02	1.5	0.3	<0.05	8	<0.5	<0.2
VUL004 00+50E	Soil		10	15	0.31	91	0.138	<20	2.28	0.007	0.14	3.4	0.03	2.1	0.2	<0.05	8	<0.5	<0.2
VUL004 00+75E	Soil		8	20	0.38	73	0.156	<20	2.06	0.006	0.23	3.3	0.03	2.3	0.3	<0.05	7	<0.5	<0.2
VUL004 01+00E	Soil		12	28	0.50	104	0.149	<20	2.34	0.008	0.23	3.9	0.03	2.0	0.4	<0.05	8	<0.5	<0.2
VUL004 01+25E	Soil		9	20	0.32	103	0.169	<20	3.10	0.012	0.14	3.9	0.05	2.2	0.2	<0.05	10	<0.5	<0.2
VUL004 01+50E	Soil		9	13	0.34	119	0.146	<20	1.73	0.009	0.15	5.7	0.03	1.5	0.2	<0.05	8	<0.5	<0.2
VUL004 01+75E	Soil		8	14	0.27	98	0.128	<20	2.59	0.010	0.13	3.5	0.03	1.9	0.2	<0.05	8	<0.5	<0.2
VUL004 02+00E	Soil		15	24	0.63	76	0.185	<20	2.00	0.007	0.28	3.9	0.02	2.8	0.3	<0.05	9	<0.5	<0.2
VUL004 02+25E	Soil		14	20	0.51	120	0.128	<20	2.01	0.007	0.26	2.9	<0.01	2.5	0.3	<0.05	6	<0.5	<0.2
VUL004 02+50E	Soil		10	18	0.43	72	0.138	<20	2.30	0.008	0.19	2.0	0.04	3.1	0.3	<0.05	8	<0.5	<0.2
VUL004 02+75E	Soil		10	19	0.45	51	0.177	<20	1.43	0.005	0.31	2.2	0.03	1.8	0.4	<0.05	7	<0.5	<0.2
VUL004 03+00E	Soil		14	29	0.73	75	0.148	<20	2.15	0.008	0.35	2.0	<0.01	2.8	0.4	<0.05	6	<0.5	<0.2
VUL004 00+25W	Soil		7	11	0.27	72	0.161	<20	3.07	0.011	0.12	1.2	0.03	2.0	0.2	<0.05	10	<0.5	<0.2
VUL004 00+50W	Soil		11	17	0.46	114	0.154	<20	2.12	0.010	0.23	1.5	0.03	2.2	0.3	<0.05	9	<0.5	<0.2
VUL004 00+75W	Soil		14	17	0.53	96	0.138	<20	2.04	0.007	0.23	4.4	0.01	2.5	0.3	<0.05	7	<0.5	<0.2
VUL004 01+00W	Soil		6	15	0.36	112	0.153	<20	3.19	0.010	0.17	2.3	0.05	2.5	0.3	<0.05	9	<0.5	<0.2
VUL004 01+25W	Soil		7	15	0.43	144	0.165	<20	2.50	0.009	0.20	1.4	0.03	2.8	0.3	<0.05	8	<0.5	<0.2

AcmeLabs™
A Bureau Veritas Group Company

www.acmelab.com

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

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 CANADA

Project: Vulcan
Report Date: October 07, 2014

CERTIFICATE OF ANALYSIS VAN14003037.1

		Method	FA330	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	2	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
VUL004 01+50W	Soil		<2	0.7	13.7	22.8	85	0.2	13.9	9.1	232	2.19	5.1	<0.5	3.9	10	0.2	0.4	0.4	33	0.13	0.170
VUL004 01+75W	Soil		<2	0.8	16.7	20.9	105	<0.1	10.9	7.8	170	2.40	5.5	<0.5	4.2	9	0.1	0.2	0.5	44	0.10	0.056
VUL004 02+00W	Soil		<2	0.6	9.0	19.1	66	<0.1	8.2	7.0	147	2.10	3.9	<0.5	3.9	18	0.1	0.2	0.5	41	0.21	0.042
VUL004 02+25W	Soil		<2	0.7	14.6	19.3	100	0.3	11.7	10.2	207	2.56	5.5	<0.5	4.6	14	0.1	0.2	0.6	38	0.19	0.083
VUL004 02+50W	Soil		<2	0.9	25.8	19.1	61	0.2	15.6	8.8	211	2.22	15.6	<0.5	4.8	4	0.1	0.1	0.4	30	0.10	0.035
VUL004 02+75W	Soil		<2	0.7	15.1	15.3	70	0.2	14.4	7.9	172	2.47	12.3	<0.5	5.5	4	<0.1	<0.1	0.4	35	0.08	0.038
VUL004 03+00W	Soil		<2	0.8	11.8	14.9	62	0.1	11.8	7.2	148	2.46	7.6	<0.5	4.1	6	<0.1	0.2	0.4	36	0.09	0.106
VUL004 03+25W	Soil		<2	0.6	49.1	12.6	83	0.2	34.1	11.6	141	2.20	5.6	<0.5	3.4	7	0.1	0.2	0.3	38	0.12	0.059
VUL004 03+50W	Soil		<2	0.7	14.2	16.5	54	0.1	11.3	7.7	112	2.12	6.8	<0.5	4.8	4	<0.1	0.1	0.4	33	0.08	0.044
VUL004 03+75W	Soil		<2	0.4	9.4	21.3	67	0.1	9.5	6.7	237	2.12	4.2	<0.5	5.9	15	0.2	0.3	0.5	41	0.17	0.061
VUL004 04+00W	Soil		<2	0.8	11.9	17.4	69	0.2	13.6	10.5	263	2.58	4.7	<0.5	4.5	17	0.1	0.2	1.6	47	0.21	0.139
VUL005 00+00	Soil		<2	0.9	15.1	49.3	473	0.2	12.1	11.8	336	2.62	2.9	<0.5	7.7	10	0.8	0.2	1.0	32	0.14	0.079
VUL005 00+25E	Soil		<2	0.7	17.5	42.0	233	<0.1	15.1	9.7	299	2.25	7.4	<0.5	14.6	10	0.2	0.2	0.9	38	0.21	0.058
VUL005 00+50E	Soil		<2	0.3	14.8	22.6	61	<0.1	9.3	8.2	199	1.97	2.2	<0.5	3.9	16	<0.1	<0.1	0.8	31	0.24	0.094
VUL005 00+75E	Soil		<2	0.4	13.0	16.7	102	<0.1	11.4	9.1	328	2.04	4.1	<0.5	10.0	34	0.3	0.1	1.2	32	0.36	0.207
VUL005 01+00E	Soil		<2	0.6	19.5	23.0	98	0.1	20.4	18.4	515	2.87	8.4	<0.5	1.5	25	0.2	0.3	0.9	47	0.28	0.096
VUL005 01+25E	Soil		<2	0.5	21.1	23.7	81	0.1	13.1	9.5	241	2.26	5.8	<0.5	8.8	12	<0.1	0.2	0.8	39	0.16	0.066
VUL005 01+50E	Soil		<2	0.3	25.5	26.8	118	<0.1	22.8	18.4	565	2.56	6.6	<0.5	5.2	21	0.3	0.2	0.7	45	0.27	0.154
VUL005 01+75E	Soil		<2	1.8	92.5	15.2	71	<0.1	30.6	24.7	331	4.37	10.5	0.9	4.0	16	0.1	0.3	0.6	89	0.25	0.041
VUL005 02+00E	Soil		<2	0.7	33.1	24.9	81	0.2	20.4	12.2	308	2.84	10.1	1.1	11.5	15	<0.1	0.2	1.4	50	0.27	0.157
VUL005 02+25E	Soil		<2	0.4	22.5	20.4	99	<0.1	20.9	15.0	456	2.97	5.3	1.7	7.2	20	0.1	0.2	1.0	57	0.25	0.067
VUL005 02+50E	Soil		<2	0.4	12.3	20.2	94	<0.1	15.9	11.8	663	2.32	4.2	1.2	5.6	18	<0.1	0.2	0.9	43	0.27	0.076
VUL005 02+75E	Soil		<2	0.6	29.7	22.8	94	<0.1	19.5	16.8	453	2.58	7.6	2.3	8.8	15	0.2	0.2	1.0	52	0.24	0.103
VUL005 03+00E	Soil		<2	0.4	17.3	18.9	93	<0.1	16.6	14.9	958	2.51	4.9	2.2	5.3	15	0.1	0.1	0.9	46	0.25	0.085
VUL005 00+25W	Soil		<2	0.6	13.4	23.5	195	<0.1	13.0	8.2	314	2.38	3.0	1.1	7.3	12	0.1	<0.1	0.6	34	0.16	0.108
VUL005 00+50W	Soil		<2	0.2	13.1	22.4	273	<0.1	15.0	9.6	442	2.02	3.0	1.5	5.5	14	0.5	<0.1	0.6	34	0.20	0.118
VUL005 00+75W	Soil		<2	0.4	12.4	13.6	87	<0.1	11.7	9.8	319	2.11	3.7	1.4	6.5	12	0.1	0.1	0.8	39	0.21	0.147
VUL005 01+00W	Soil		<2	0.4	11.9	16.2	66	<0.1	10.1	8.2	283	2.07	3.0	1.0	5.4	10	<0.1	0.2	0.7	38	0.16	0.083
VUL005 01+25W	Soil		<2	0.4	24.8	12.9	104	<0.1	22.1	17.7	395	3.14	5.2	1.0	7.1	16	<0.1	0.2	1.8	66	0.21	0.155
VUL005 01+50W	Soil		<2	0.5	24.0	16.6	87	<0.1	20.0	13.6	263	2.83	3.4	1.3	10.3	13	<0.1	0.2	0.9	51	0.20	0.100

AcmeLabs™
A Bureau Veritas Group Company

www.acmelab.com

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

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 CANADA

Project: Vulcan
Report Date: October 07, 2014

CERTIFICATE OF ANALYSIS VAN14003037.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		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	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
VUL004 01+50W	Soil		5	12	0.25	112	0.164	<20	3.22	0.011	0.12	1.1	0.05	2.2	0.2	<0.05	10	<0.5	<0.2
VUL004 01+75W	Soil		7	15	0.40	88	0.157	<20	2.14	0.008	0.19	1.6	0.02	2.5	0.3	<0.05	8	<0.5	<0.2
VUL004 02+00W	Soil		7	10	0.29	84	0.136	<20	1.85	0.011	0.13	2.0	0.02	1.8	0.2	<0.05	9	<0.5	<0.2
VUL004 02+25W	Soil		8	15	0.39	95	0.131	<20	1.96	0.008	0.20	3.6	0.03	1.8	0.2	<0.05	7	<0.5	<0.2
VUL004 02+50W	Soil		16	23	0.49	72	0.100	<20	1.62	0.006	0.45	1.5	0.02	2.5	0.4	<0.05	5	<0.5	<0.2
VUL004 02+75W	Soil		11	22	0.42	68	0.117	<20	1.78	0.005	0.19	1.3	0.03	2.5	0.2	<0.05	6	<0.5	<0.2
VUL004 03+00W	Soil		7	18	0.29	72	0.124	<20	2.75	0.007	0.12	3.1	0.03	2.2	0.2	<0.05	7	<0.5	<0.2
VUL004 03+25W	Soil		6	23	0.30	97	0.117	<20	2.48	0.011	0.10	1.3	0.04	2.1	0.1	<0.05	8	<0.5	<0.2
VUL004 03+50W	Soil		8	17	0.26	64	0.116	<20	2.10	0.007	0.13	1.2	0.04	2.1	0.2	<0.05	7	<0.5	<0.2
VUL004 03+75W	Soil		6	16	0.30	129	0.124	<20	1.29	0.007	0.14	1.0	<0.01	1.9	0.2	<0.05	7	<0.5	<0.2
VUL004 04+00W	Soil		12	19	0.55	129	0.151	<20	2.66	0.008	0.22	5.2	0.03	2.1	0.3	<0.05	9	<0.5	<0.2
VUL005 00+00	Soil		17	18	0.44	120	0.150	<20	1.67	0.007	0.32	3.8	0.02	2.5	0.3	<0.05	7	<0.5	<0.2
VUL005 00+25E	Soil		17	19	0.58	92	0.160	<20	1.61	0.005	0.49	9.4	0.01	2.5	0.5	<0.05	6	<0.5	<0.2
VUL005 00+50E	Soil		13	13	0.38	145	0.118	<20	1.27	0.006	0.28	1.8	0.01	1.9	0.3	<0.05	5	<0.5	<0.2
VUL005 00+75E	Soil		18	15	0.48	166	0.132	<20	1.50	0.006	0.27	3.9	0.01	2.1	0.3	<0.05	6	<0.5	<0.2
VUL005 01+00E	Soil		13	41	0.69	156	0.128	<20	2.46	0.010	0.31	2.7	0.05	1.9	0.3	<0.05	9	0.7	<0.2
VUL005 01+25E	Soil		11	16	0.49	106	0.133	<20	1.69	0.006	0.25	5.2	0.01	2.3	0.3	<0.05	6	<0.5	<0.2
VUL005 01+50E	Soil		11	26	0.70	215	0.160	<20	2.04	0.008	0.34	2.6	0.02	2.5	0.3	<0.05	8	<0.5	<0.2
VUL005 01+75E	Soil		6	17	0.75	122	0.211	<20	2.76	0.010	0.38	9.6	0.05	2.5	0.4	<0.05	10	<0.5	<0.2
VUL005 02+00E	Soil		25	25	0.76	105	0.158	<20	1.84	0.005	0.49	16.4	0.02	2.9	0.5	<0.05	6	<0.5	<0.2
VUL005 02+25E	Soil		16	38	0.83	229	0.204	<20	2.25	0.007	0.55	3.3	0.01	3.1	0.6	<0.05	7	<0.5	<0.2
VUL005 02+50E	Soil		11	31	0.57	163	0.152	<20	1.83	0.009	0.31	8.9	0.02	2.4	0.4	<0.05	7	<0.5	<0.2
VUL005 02+75E	Soil		16	30	0.63	144	0.177	<20	3.39	0.009	0.39	5.9	0.02	3.3	0.4	<0.05	8	<0.5	<0.2
VUL005 03+00E	Soil		11	20	0.64	193	0.158	<20	1.97	0.014	0.33	3.2	0.01	2.3	0.3	<0.05	7	<0.5	<0.2
VUL005 00+25W	Soil		14	17	0.45	134	0.153	<20	1.63	0.006	0.30	3.9	<0.01	2.6	0.3	<0.05	7	<0.5	<0.2
VUL005 00+50W	Soil		11	19	0.46	173	0.131	<20	1.56	0.009	0.35	2.1	<0.01	2.1	0.3	<0.05	5	<0.5	<0.2
VUL005 00+75W	Soil		13	16	0.41	185	0.142	<20	1.71	0.007	0.24	2.9	0.02	2.1	0.2	<0.05	7	<0.5	<0.2
VUL005 01+00W	Soil		8	15	0.36	110	0.145	<20	1.27	0.006	0.25	2.0	0.02	2.0	0.2	<0.05	7	<0.5	<0.2
VUL005 01+25W	Soil		11	53	0.85	173	0.188	<20	3.28	0.008	0.49	3.7	0.03	4.0	0.4	<0.05	9	<0.5	<0.2
VUL005 01+50W	Soil		11	28	0.60	149	0.179	<20	2.38	0.006	0.37	9.6	0.02	3.1	0.3	<0.05	7	<0.5	<0.2

AcmeLabs™
A Bureau Veritas Group Company

www.acmelab.com

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

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 CANADA

Project: Vulcan
Report Date: October 07, 2014

CERTIFICATE OF ANALYSIS VAN14003037.1

		Method	FA330	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	2	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
VUL005 01+75W	Soil		2	0.6	12.7	13.0	67	<0.1	16.7	11.7	309	2.64	5.2	0.8	5.7	15	<0.1	0.2	0.7	52	0.16	0.092
VUL005 02+00W	Soil		<2	1.2	27.1	12.5	52	<0.1	10.0	8.3	208	2.85	5.4	<0.5	6.9	19	<0.1	0.1	0.8	40	0.11	0.050
VUL005 02+25W	Soil		<2	0.8	17.8	13.7	46	<0.1	7.6	6.2	391	2.51	4.0	1.6	7.7	19	<0.1	0.2	0.8	39	0.16	0.097
VUL005 02+50W	Soil		<2	0.6	18.6	12.9	65	<0.1	11.1	9.0	235	2.34	5.8	2.1	10.1	22	<0.1	0.1	1.0	35	0.25	0.155
VUL005 02+75W	Soil		<2	0.6	8.0	11.4	60	<0.1	9.1	8.1	235	2.00	3.2	2.0	8.1	11	<0.1	0.2	0.7	34	0.17	0.102
VUL005 03+00W	Soil		3	0.4	7.6	9.2	49	<0.1	9.3	8.4	193	1.68	2.5	1.4	12.8	18	<0.1	0.1	0.7	31	0.26	0.128
VUL006 00+00	Soil		<2	0.4	10.2	14.8	109	<0.1	10.7	10.9	514	2.01	4.9	1.5	5.0	29	0.1	0.2	0.7	30	0.25	0.226
VUL006 00+25E	Soil		<2	0.3	10.1	13.9	72	<0.1	10.4	9.8	270	1.93	2.9	<0.5	10.8	24	<0.1	<0.1	0.7	36	0.34	0.130
VUL006 00+50E	Soil		<2	0.8	39.8	29.6	134	<0.1	20.9	21.6	413	3.76	5.9	1.9	10.4	26	0.2	0.2	1.2	43	0.21	0.122
VUL006 00+75E	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
VUL006 01+00E	Soil		<2	0.4	12.5	23.4	179	0.1	13.0	13.9	509	2.33	4.6	1.2	5.4	29	0.3	0.1	0.7	39	0.34	0.085
VUL006 01+25E	Soil		<2	0.3	16.4	16.2	117	<0.1	14.2	10.8	319	2.29	2.2	<0.5	6.4	20	0.2	<0.1	0.6	38	0.23	0.066
VUL006 01+50E	Soil		3	0.4	26.5	20.7	227	<0.1	15.9	13.5	334	2.46	3.5	<0.5	6.8	10	0.2	0.1	0.4	46	0.16	0.043
VUL006 01+75E	Soil		<2	0.7	17.1	37.6	237	<0.1	20.1	13.8	429	3.04	4.1	0.7	7.0	15	0.2	0.1	0.7	37	0.17	0.077
VUL006 02+00E	Soil		<2	0.7	49.6	46.0	204	0.1	21.0	23.2	924	3.53	6.3	<0.5	5.1	24	0.8	0.1	0.9	61	0.56	0.048
VUL006 02+25E	Soil		<2	0.5	11.9	37.4	272	0.1	15.0	17.1	582	2.37	7.1	1.1	5.0	13	0.6	0.1	1.1	30	0.18	0.065
VUL006 02+50E	Soil		<2	1.0	20.8	46.5	206	0.2	18.5	16.8	617	2.71	9.9	<0.5	5.7	12	0.4	0.1	0.8	33	0.32	0.031
VUL006 02+75E	Soil		<2	0.4	13.7	19.2	80	<0.1	14.7	10.6	239	2.04	5.9	<0.5	6.9	14	0.2	0.7	0.6	26	0.27	0.035
VUL006 03+00E	Soil		<2	0.7	12.0	24.6	86	<0.1	14.5	11.6	213	2.21	4.3	<0.5	6.1	13	<0.1	0.2	0.7	28	0.16	0.033
VUL006 00+25W	Soil		<2	0.9	13.9	6.5	63	<0.1	8.1	7.5	252	3.10	2.4	0.8	5.8	22	<0.1	0.1	0.5	33	0.18	0.073
VUL006 00+50W	Soil		<2	0.4	10.6	15.8	97	0.1	9.9	9.0	280	2.12	5.8	<0.5	8.2	40	0.3	0.1	0.9	35	0.35	0.360
VUL006 00+75W	Soil		<2	0.3	10.4	16.4	126	0.1	10.0	12.7	342	2.31	6.6	<0.5	9.9	63	0.2	0.2	0.9	42	0.34	0.483
VUL006 01+00W	Soil		<2	0.5	12.8	14.1	80	<0.1	10.8	10.3	416	1.94	2.3	0.5	6.4	20	0.2	0.1	0.8	33	0.30	0.044
VUL006 01+25W	Soil		2	0.5	18.5	9.9	59	<0.1	13.1	10.0	278	2.31	2.2	0.8	5.6	15	<0.1	<0.1	0.5	38	0.23	0.068
VUL006 01+50W	Soil		<2	0.6	20.4	9.5	48	<0.1	13.6	9.2	209	2.42	3.2	1.2	7.7	14	<0.1	<0.1	0.6	33	0.18	0.055
VUL006 01+75W	Soil		2	0.2	6.8	9.5	57	<0.1	8.4	6.8	258	1.55	2.4	0.9	14.7	43	<0.1	<0.1	0.7	26	0.31	0.306
VUL006 02+00W	Soil		<2	0.5	26.8	15.6	74	<0.1	17.2	11.6	267	2.39	2.1	1.8	5.7	19	<0.1	<0.1	0.5	43	0.16	0.071
VUL006 02+25W	Soil		<2	0.8	14.7	11.8	65	<0.1	12.9	9.5	228	2.67	1.9	1.8	6.9	22	<0.1	0.1	0.6	31	0.10	0.078
VUL006 02+50W	Soil		7	0.4	11.4	12.1	102	<0.1	30.5	20.4	283	2.48	3.8	1.0	5.6	28	0.1	0.2	0.5	31	0.19	0.125
VUL006 02+75W	Soil		<2	0.5	10.5	10.3	71	<0.1	21.3	12.0	213	2.50	2.8	1.6	5.4	33	0.1	0.1	0.6	29	0.19	0.054

AcmeLabs™
A Bureau Veritas Group Company

www.acmelab.com

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

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 CANADA

Project: Vulcan
Report Date: October 07, 2014

CERTIFICATE OF ANALYSIS VAN14003037.1

Method		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
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	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
VUL005 01+75W	Soil	11	33	0.50	143	0.167	<20	2.22	0.008	0.24	4.6	0.02	2.8	0.3	<0.05	8	<0.5	<0.2
VUL005 02+00W	Soil	16	23	0.78	99	0.194	<20	2.14	0.007	0.49	1.9	0.02	4.1	0.4	0.08	8	<0.5	<0.2
VUL005 02+25W	Soil	16	20	0.57	125	0.157	<20	1.58	0.007	0.31	3.2	0.01	2.7	0.3	<0.05	7	<0.5	<0.2
VUL005 02+50W	Soil	17	14	0.48	118	0.156	<20	2.52	0.008	0.27	6.1	0.02	2.7	0.3	<0.05	7	<0.5	<0.2
VUL005 02+75W	Soil	10	13	0.32	92	0.131	<20	1.80	0.007	0.17	4.2	0.02	1.9	0.2	<0.05	7	<0.5	<0.2
VUL005 03+00W	Soil	16	11	0.32	86	0.106	<20	1.51	0.007	0.15	6.8	0.02	1.7	0.2	<0.05	5	<0.5	<0.2
VUL006 00+00	Soil	9	12	0.32	144	0.153	<20	2.51	0.010	0.19	2.8	0.02	2.3	0.2	<0.05	7	<0.5	<0.2
VUL006 00+25E	Soil	19	14	0.49	170	0.128	<20	1.22	0.006	0.35	3.7	0.01	2.0	0.3	<0.05	5	<0.5	<0.2
VUL006 00+50E	Soil	17	15	0.57	225	0.205	<20	2.49	0.007	0.54	4.7	0.02	4.5	0.5	<0.05	8	<0.5	<0.2
VUL006 00+75E	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
VUL006 01+00E	Soil	11	18	0.52	279	0.160	<20	1.69	0.011	0.49	1.9	0.02	2.2	0.4	<0.05	7	<0.5	<0.2
VUL006 01+25E	Soil	12	23	0.58	190	0.154	<20	1.74	0.006	0.40	1.8	0.01	2.7	0.4	<0.05	6	<0.5	<0.2
VUL006 01+50E	Soil	11	17	0.54	131	0.165	<20	1.83	0.006	0.51	1.2	0.01	2.4	0.4	<0.05	5	<0.5	<0.2
VUL006 01+75E	Soil	11	20	0.68	183	0.201	<20	2.10	0.007	0.60	1.4	0.01	2.9	0.5	<0.05	7	<0.5	<0.2
VUL006 02+00E	Soil	12	18	0.67	262	0.187	<20	1.94	0.008	0.83	1.1	0.02	2.9	0.5	<0.05	7	<0.5	<0.2
VUL006 02+25E	Soil	7	14	0.37	196	0.174	<20	1.77	0.015	0.40	0.8	0.02	1.8	0.3	<0.05	7	<0.5	<0.2
VUL006 02+50E	Soil	29	17	0.48	127	0.171	<20	1.83	0.007	0.46	1.4	0.03	2.3	0.4	<0.05	6	<0.5	<0.2
VUL006 02+75E	Soil	14	15	0.42	127	0.148	<20	1.56	0.004	0.39	1.7	<0.01	2.2	0.3	<0.05	5	<0.5	<0.2
VUL006 03+00E	Soil	11	15	0.40	149	0.158	<20	1.46	0.005	0.29	1.7	0.01	1.7	0.3	<0.05	6	<0.5	<0.2
VUL006 00+25W	Soil	9	19	0.65	157	0.218	<20	2.02	0.006	0.51	1.2	<0.01	2.9	0.3	<0.05	7	<0.5	<0.2
VUL006 00+50W	Soil	11	12	0.31	167	0.161	<20	3.00	0.009	0.19	4.2	0.04	2.1	0.2	<0.05	8	<0.5	<0.2
VUL006 00+75W	Soil	13	12	0.34	180	0.161	<20	2.81	0.009	0.19	4.1	0.03	2.2	0.2	<0.05	8	<0.5	<0.2
VUL006 01+00W	Soil	15	17	0.41	182	0.142	<20	1.48	0.009	0.34	13.9	0.01	2.3	0.3	<0.05	6	<0.5	<0.2
VUL006 01+25W	Soil	12	24	0.57	138	0.163	<20	1.44	0.007	0.45	1.3	<0.01	3.0	0.3	<0.05	6	<0.5	<0.2
VUL006 01+50W	Soil	16	19	0.58	93	0.163	<20	1.75	0.005	0.47	5.1	<0.01	2.4	0.3	<0.05	5	<0.5	<0.2
VUL006 01+75W	Soil	21	11	0.31	288	0.111	<20	1.33	0.007	0.20	4.7	0.02	2.0	0.2	<0.05	5	<0.5	<0.2
VUL006 02+00W	Soil	14	25	0.61	136	0.144	<20	1.50	0.006	0.39	6.5	<0.01	2.9	0.3	<0.05	5	<0.5	<0.2
VUL006 02+25W	Soil	16	17	0.45	145	0.166	<20	1.50	0.005	0.33	1.6	<0.01	2.1	0.3	<0.05	6	<0.5	<0.2
VUL006 02+50W	Soil	11	28	0.43	152	0.162	<20	2.17	0.008	0.31	1.4	0.02	2.2	0.3	<0.05	7	<0.5	<0.2
VUL006 02+75W	Soil	11	17	0.42	119	0.176	<20	1.75	0.008	0.39	0.9	0.01	2.2	0.3	<0.05	7	<0.5	<0.2

AcmeLabs™
A Bureau Veritas Group Company

www.acmelab.com

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

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 CANADA

Project: Vulcan
Report Date: October 07, 2014

CERTIFICATE OF ANALYSIS VAN14003037.1

		Method	FA330	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	2	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
VUL006 03+00W	Soil		<2	0.7	10.7	15.6	104	<0.1	16.4	9.8	205	2.56	2.5	0.9	4.3	20	0.1	0.1	0.6	35	0.15	0.049
VUL007 00+00	Soil		<2	0.3	28.8	58.7	155	0.2	10.1	13.4	1059	1.85	5.3	0.9	8.3	48	0.6	0.6	0.9	28	0.36	0.510
VUL007 00+25E	Soil		<2	0.3	11.3	30.7	147	<0.1	10.1	17.2	600	2.35	3.6	1.5	6.4	59	0.2	<0.1	0.7	27	0.50	0.514
VUL007 00+50E	Soil		<2	0.7	31.2	23.4	144	<0.1	18.5	19.5	1429	2.83	7.0	0.7	3.5	34	0.7	0.2	0.7	46	0.64	0.109
VUL007 00+75E	Soil		2	0.6	30.7	23.6	153	<0.1	17.9	19.1	741	2.96	7.3	<0.5	5.5	33	0.2	0.2	0.9	45	0.35	0.323
VUL007 01+00E	Soil		<2	0.6	28.3	22.8	169	<0.1	17.8	18.6	739	3.01	5.6	<0.5	3.1	26	0.4	0.1	0.9	47	0.29	0.285
VUL007 01+25E	Soil		<2	0.8	30.5	24.2	140	<0.1	17.8	17.4	1127	2.85	5.0	0.8	3.7	39	0.4	0.1	0.9	45	0.43	0.140
VUL007 01+50E	Soil		<2	0.5	20.8	38.2	136	0.2	11.7	11.1	570	2.13	5.5	1.0	4.6	29	0.6	0.2	0.7	32	0.36	0.099
VUL007 01+75E	Soil		<2	0.4	18.0	35.9	152	0.1	11.3	11.7	551	2.48	4.7	1.4	6.2	30	0.4	<0.1	0.8	36	0.29	0.131
VUL007 02+00E	Soil		<2	0.2	9.1	22.5	174	<0.1	8.1	7.8	1253	1.70	1.3	0.7	3.5	28	0.6	0.1	0.4	25	0.23	0.067
VUL007 02+25E	Soil		2	1.1	15.6	40.0	162	0.2	12.4	12.6	1875	1.96	4.9	1.2	2.4	29	1.0	0.2	0.6	19	0.36	0.032
VUL007 02+50E	Soil		<2	0.3	6.6	23.9	138	0.1	8.5	9.5	537	1.71	3.4	<0.5	4.6	18	0.2	<0.1	0.7	19	0.13	0.299
VUL007 02+75E	Soil		<2	0.3	7.2	25.9	133	0.1	8.8	9.7	408	1.72	3.6	0.5	4.7	22	0.3	<0.1	0.7	19	0.17	0.246
VUL007 03+00E	Soil		<2	0.3	6.7	29.2	111	0.3	10.4	10.7	343	1.57	4.2	2.0	4.7	18	0.4	0.2	0.6	15	0.17	0.209
VUL007 00+25W	Soil		<2	0.7	24.9	23.8	126	<0.1	14.8	16.5	667	2.75	3.4	<0.5	6.8	26	0.2	<0.1	1.1	38	0.27	0.135
VUL007 00+50W	Soil		<2	0.7	19.9	23.7	115	<0.1	13.4	11.9	387	2.25	4.2	0.6	2.5	21	0.2	0.1	1.0	35	0.35	0.045
VUL007 00+75W	Soil		<2	0.3	21.5	29.7	111	<0.1	13.6	12.6	746	1.96	5.2	<0.5	11.3	58	0.2	0.1	0.6	31	0.49	0.181
VUL007 01+00W	Soil		<2	0.3	14.7	36.6	97	0.1	8.5	7.4	528	1.87	5.9	1.5	5.8	19	0.3	0.2	0.7	26	0.16	0.385
VUL007 01+25W	Soil		<2	0.4	14.9	26.2	65	<0.1	14.5	12.0	217	2.19	4.9	<0.5	8.0	52	0.1	<0.1	0.8	33	0.25	0.610
VUL007 01+50W	Soil		<2	0.3	14.6	10.6	57	<0.1	13.9	9.2	227	1.85	3.4	0.9	5.6	16	<0.1	<0.1	0.6	30	0.22	0.146
VUL007 01+75W	Soil		<2	0.8	30.6	17.9	77	<0.1	27.5	19.9	270	2.84	2.6	<0.5	11.4	18	<0.1	<0.1	1.2	37	0.18	0.043
VUL007 02+00W	Soil		2	0.4	15.2	9.9	44	<0.1	9.2	8.9	281	2.18	2.9	<0.5	3.3	17	<0.1	<0.1	0.3	34	0.16	0.125
VUL007 02+25W	Soil		<2	0.2	8.8	14.2	44	<0.1	10.1	7.6	180	1.62	3.5	1.0	4.7	15	<0.1	0.1	8.7	25	0.15	0.128
VUL007 02+50W	Soil		<2	0.3	9.1	11.5	30	<0.1	8.7	6.3	161	1.65	2.6	0.6	5.9	14	<0.1	<0.1	0.5	25	0.19	0.070
VUL007 02+75W	Soil		<2	0.5	18.3	14.4	50	<0.1	17.4	10.9	160	2.26	3.2	1.4	6.7	21	<0.1	0.2	0.5	29	0.18	0.058
VUL007 03+00W	Soil		<2	0.4	12.8	19.3	57	<0.1	11.9	8.1	208	2.31	4.9	<0.5	11.6	17	<0.1	<0.1	0.6	28	0.14	0.181
VUL008 00+00	Soil		<2	0.8	32.2	25.3	131	<0.1	17.0	15.7	1102	2.74	5.7	1.5	5.8	30	0.4	0.1	0.9	43	0.33	0.110
VUL008 00+25E	Soil		<2	0.8	35.1	24.5	133	<0.1	17.5	19.0	1125	2.80	6.8	0.6	2.5	23	0.7	0.1	1.0	47	0.27	0.090
VUL008 00+50E	Soil		<2	0.7	19.8	22.4	110	<0.1	16.0	12.7	266	2.71	6.1	1.0	6.7	21	0.2	0.1	1.0	35	0.24	0.113
VUL008 00+75E	Soil		3	0.7	24.2	24.6	114	<0.1	15.4	14.2	502	2.63	5.6	<0.5	6.2	28	0.2	0.1	0.9	39	0.29	0.113

AcmeLabs™
A Bureau Veritas Group Company

www.acmelab.com

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

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 CANADA

Project: Vulcan
Report Date: October 07, 2014

CERTIFICATE OF ANALYSIS VAN14003037.1

		Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		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	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
VUL006 03+00W	Soil		11	19	0.45	83	0.163	<20	1.84	0.008	0.26	1.1	<0.01	2.9	0.2	<0.05	8	<0.5	<0.2
VUL007 00+00	Soil		10	13	0.29	439	0.127	<20	1.68	0.016	0.25	1.0	0.02	2.1	0.2	<0.05	6	<0.5	<0.2
VUL007 00+25E	Soil		9	14	0.34	334	0.158	<20	2.11	0.008	0.24	2.0	0.03	2.3	0.3	<0.05	8	<0.5	<0.2
VUL007 00+50E	Soil		11	31	0.69	264	0.157	<20	1.77	0.007	0.52	2.5	0.02	2.7	0.3	<0.05	7	<0.5	<0.2
VUL007 00+75E	Soil		14	26	0.67	269	0.176	<20	2.29	0.008	0.51	2.4	0.02	2.9	0.3	<0.05	8	<0.5	<0.2
VUL007 01+00E	Soil		14	26	0.67	222	0.156	<20	2.44	0.008	0.49	2.1	0.02	2.5	0.4	<0.05	8	0.7	<0.2
VUL007 01+25E	Soil		16	26	0.70	298	0.148	<20	1.86	0.007	0.53	4.4	0.02	2.4	0.4	<0.05	7	<0.5	<0.2
VUL007 01+50E	Soil		10	13	0.40	225	0.147	<20	2.03	0.008	0.36	3.7	0.02	2.1	0.3	<0.05	6	<0.5	<0.2
VUL007 01+75E	Soil		10	14	0.45	289	0.155	<20	1.59	0.006	0.44	4.2	0.02	2.1	0.3	<0.05	6	<0.5	<0.2
VUL007 02+00E	Soil		8	13	0.42	462	0.145	<20	1.03	0.009	0.47	0.6	0.01	1.6	0.4	<0.05	5	<0.5	<0.2
VUL007 02+25E	Soil		13	14	0.39	288	0.130	<20	1.15	0.007	0.40	1.5	0.03	1.7	0.4	<0.05	5	<0.5	<0.2
VUL007 02+50E	Soil		8	12	0.27	516	0.137	<20	1.48	0.007	0.22	7.7	0.01	1.8	0.2	<0.05	7	<0.5	<0.2
VUL007 02+75E	Soil		8	12	0.26	422	0.129	<20	1.29	0.007	0.24	0.9	0.01	1.8	0.3	<0.05	7	<0.5	<0.2
VUL007 03+00E	Soil		6	6	0.17	226	0.137	<20	1.85	0.009	0.16	0.7	0.03	1.6	0.2	<0.05	7	<0.5	<0.2
VUL007 00+25W	Soil		13	20	0.55	209	0.166	<20	1.87	0.008	0.43	6.8	0.01	2.6	0.4	<0.05	7	<0.5	<0.2
VUL007 00+50W	Soil		14	20	0.55	104	0.135	<20	1.50	0.009	0.30	6.5	0.03	1.9	0.3	<0.05	6	<0.5	<0.2
VUL007 00+75W	Soil		13	13	0.41	277	0.132	<20	1.78	0.007	0.30	1.9	0.02	2.0	0.3	<0.05	6	0.5	<0.2
VUL007 01+00W	Soil		8	11	0.21	289	0.133	<20	1.83	0.006	0.14	2.5	0.01	1.8	0.2	<0.05	6	<0.5	<0.2
VUL007 01+25W	Soil		12	15	0.35	152	0.160	<20	2.76	0.008	0.26	5.1	0.01	2.3	0.2	<0.05	7	<0.5	<0.2
VUL007 01+50W	Soil		14	19	0.36	101	0.115	<20	1.79	0.008	0.17	3.5	0.02	2.0	0.2	<0.05	6	0.5	<0.2
VUL007 01+75W	Soil		29	23	0.58	113	0.161	<20	2.12	0.006	0.47	3.4	0.02	3.2	0.6	<0.05	6	<0.5	<0.2
VUL007 02+00W	Soil		6	14	0.33	234	0.142	<20	1.45	0.008	0.18	1.2	0.01	1.9	0.2	<0.05	5	<0.5	<0.2
VUL007 02+25W	Soil		9	15	0.29	111	0.115	<20	1.65	0.008	0.15	2.7	0.02	1.9	0.2	<0.05	5	<0.5	<0.2
VUL007 02+50W	Soil		18	14	0.29	101	0.114	<20	1.33	0.007	0.16	3.5	0.02	1.6	0.2	<0.05	5	<0.5	<0.2
VUL007 02+75W	Soil		12	16	0.39	113	0.147	<20	2.20	0.009	0.23	2.5	0.02	2.4	0.3	<0.05	7	<0.5	<0.2
VUL007 03+00W	Soil		10	15	0.35	153	0.132	<20	1.57	0.006	0.19	3.8	0.01	1.7	0.2	<0.05	6	<0.5	<0.2
VUL008 00+00	Soil		13	28	0.66	259	0.161	<20	1.71	0.008	0.45	2.8	0.02	2.6	0.4	<0.05	7	0.5	<0.2
VUL008 00+25E	Soil		13	29	0.73	243	0.153	<20	1.94	0.007	0.51	4.3	0.02	2.5	0.4	<0.05	7	<0.5	<0.2
VUL008 00+50E	Soil		13	20	0.55	133	0.163	<20	2.06	0.007	0.36	4.3	0.02	2.4	0.3	<0.05	7	<0.5	<0.2
VUL008 00+75E	Soil		13	22	0.58	177	0.157	<20	1.88	0.008	0.36	17.4	<0.01	2.6	0.4	<0.05	7	<0.5	<0.2

AcmeLabs™
A Bureau Veritas Group Company

www.acmelab.com

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

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 CANADA

Project: Vulcan
Report Date: October 07, 2014

CERTIFICATE OF ANALYSIS VAN14003037.1

		Method	FA330	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	2	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
VUL008 01+00E	Soil		<2	0.6	21.3	23.6	84	<0.1	12.5	9.3	224	2.40	5.4	<0.5	5.5	16	0.1	<0.1	0.8	28	0.24	0.152
VUL008 01+25E	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
VUL008 01+50E	Soil		<2	0.6	17.9	28.4	89	<0.1	10.2	9.1	416	2.23	3.7	<0.5	4.9	27	0.2	<0.1	0.8	23	0.38	0.118
VUL008 01+75E	Soil		<2	0.7	13.8	22.4	68	<0.1	9.9	7.1	208	2.79	6.6	1.7	5.4	19	0.1	<0.1	0.8	29	0.16	0.097
VUL008 02+00E	Soil		<2	1.5	29.4	32.5	82	<0.1	13.4	9.7	372	3.53	11.9	0.7	9.5	17	0.1	0.1	0.9	41	0.23	0.035
VUL008 02+25E	Soil		<2	1.4	26.7	11.5	61	<0.1	13.4	9.9	194	2.72	8.0	1.2	7.4	22	0.1	0.1	1.1	30	0.27	0.033
VUL008 02+50E	Soil		<2	0.4	20.4	21.3	145	0.1	17.6	17.6	618	2.44	5.2	1.6	4.4	14	0.3	0.1	0.5	35	0.14	0.095
VUL008 02+75E	Soil		<2	0.3	8.1	23.7	105	<0.1	9.5	14.2	345	2.07	3.4	0.9	4.1	15	0.1	<0.1	0.7	28	0.16	0.220
VUL008 03+00E	Soil		<2	0.3	10.0	22.3	100	<0.1	10.8	10.0	520	1.99	4.4	0.7	2.6	16	0.2	0.1	0.6	30	0.16	0.070
VUL008 00+25W	Soil		<2	0.4	40.3	21.0	138	0.1	15.0	12.4	852	2.39	6.4	1.7	7.1	41	0.6	<0.1	0.8	33	0.46	0.317
VUL008 00+50W	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
VUL008 00+75W	Soil		<2	0.6	20.3	24.8	195	<0.1	13.6	13.9	758	2.29	3.6	1.1	6.1	17	0.4	<0.1	0.7	39	0.25	0.081
VUL008 01+00W	Soil		<2	0.5	17.7	17.2	60	<0.1	7.9	6.5	223	2.20	4.5	1.2	8.9	14	<0.1	<0.1	0.8	30	0.17	0.128
VUL008 01+25W	Soil		<2	0.5	20.1	20.1	51	<0.1	7.2	5.8	225	2.10	6.1	0.8	6.2	20	<0.1	<0.1	0.7	22	0.16	0.182
VUL008 01+50W	Soil		15	0.3	10.6	23.7	184	0.1	10.6	14.8	719	2.52	4.2	0.6	7.1	25	0.4	<0.1	0.9	30	0.21	0.587
VUL008 01+75W	Soil		<2	0.4	12.5	22.0	184	0.1	11.1	15.4	750	2.37	6.0	<0.5	8.2	29	0.4	<0.1	1.3	30	0.31	0.671
VUL008 02+00W	Soil		<2	0.4	15.6	17.3	112	<0.1	9.1	11.1	509	2.14	4.6	<0.5	5.3	14	0.1	<0.1	0.8	27	0.17	0.259
VUL008 02+25W	Soil		<2	0.6	19.0	20.0	97	<0.1	19.0	13.5	393	2.52	5.0	0.9	6.3	11	0.2	<0.1	1.0	39	0.18	0.102
VUL008 02+50W	Soil		<2	0.5	32.1	23.1	126	<0.1	22.8	16.5	738	2.90	6.1	<0.5	9.2	36	0.3	<0.1	0.9	41	0.34	0.228
VUL008 02+75W	Soil		<2	0.4	9.9	14.7	53	0.1	14.7	13.5	286	2.21	5.7	0.7	5.6	19	0.2	0.3	0.5	32	0.19	0.403
VUL008 03+00W	Soil		<2	0.5	12.6	13.8	39	<0.1	10.5	10.0	262	2.33	5.8	<0.5	5.9	34	0.1	0.1	0.8	29	0.26	0.124
TTVUS 001	Silt		3	0.6	19.4	14.6	70	<0.1	13.8	10.8	321	2.27	6.7	0.7	3.7	9	0.2	<0.1	0.2	41	0.33	0.029
TTVUS 002	Silt		<2	0.5	18.2	12.2	63	<0.1	13.5	11.0	324	2.51	14.1	0.7	7.6	7	<0.1	<0.1	0.2	45	0.24	0.027
TTVUS 003	Silt		<2	0.5	26.0	9.7	52	<0.1	15.0	12.8	319	2.60	6.5	1.0	11.5	11	0.1	<0.1	6.1	40	0.40	0.113
CDVUS 001	Silt		4	2.2	97.7	29.5	88	0.1	23.2	31.5	600	3.23	59.7	1.3	0.8	15	0.9	0.4	0.6	67	0.45	0.085

AcmeLabs™
A Bureau Veritas Group Company

www.acmelab.com

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

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 CANADA

Project: Vulcan
Report Date: October 07, 2014

CERTIFICATE OF ANALYSIS VAN14003037.1

Method		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
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	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
VUL008 01+00E	Soil	14	18	0.51	76	0.136	<20	1.57	0.005	0.40	7.6	0.01	2.1	0.3	<0.05	5	<0.5	<0.2
VUL008 01+25E	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
VUL008 01+50E	Soil	10	16	0.45	234	0.142	<20	1.32	0.005	0.37	5.1	0.01	2.0	0.3	<0.05	5	<0.5	<0.2
VUL008 01+75E	Soil	12	16	0.40	152	0.150	<20	1.46	0.007	0.35	2.2	0.01	2.0	0.3	0.06	6	<0.5	<0.2
VUL008 02+00E	Soil	24	24	0.69	136	0.181	<20	1.63	0.007	0.68	2.2	<0.01	3.2	0.4	0.16	6	<0.5	<0.2
VUL008 02+25E	Soil	14	19	0.55	135	0.139	<20	1.27	0.007	0.52	3.0	0.01	2.5	0.4	0.05	5	<0.5	<0.2
VUL008 02+50E	Soil	8	17	0.47	169	0.155	<20	2.03	0.010	0.32	1.0	0.02	2.6	0.3	<0.05	7	<0.5	<0.2
VUL008 02+75E	Soil	8	14	0.33	161	0.143	<20	1.59	0.007	0.26	1.2	0.02	1.9	0.2	<0.05	7	<0.5	<0.2
VUL008 03+00E	Soil	7	14	0.35	174	0.154	<20	1.30	0.008	0.27	0.8	0.02	1.7	0.2	<0.05	7	<0.5	<0.2
VUL008 00+25W	Soil	15	20	0.55	424	0.137	<20	1.60	0.012	0.54	4.4	0.01	2.4	0.3	0.07	5	<0.5	<0.2
VUL008 00+50W	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
VUL008 00+75W	Soil	10	23	0.63	207	0.151	<20	1.46	0.008	0.46	2.7	0.01	2.6	0.3	<0.05	6	<0.5	<0.2
VUL008 01+00W	Soil	14	16	0.43	122	0.133	<20	1.24	0.005	0.28	4.2	0.01	2.2	0.3	<0.05	5	<0.5	<0.2
VUL008 01+25W	Soil	14	11	0.36	141	0.111	<20	1.32	0.006	0.26	3.4	0.01	2.0	0.2	<0.05	5	<0.5	<0.2
VUL008 01+50W	Soil	10	17	0.37	447	0.162	<20	2.50	0.010	0.30	14.6	0.03	2.9	0.3	<0.05	9	<0.5	<0.2
VUL008 01+75W	Soil	12	16	0.38	391	0.161	<20	3.04	0.012	0.27	4.8	0.03	3.2	0.3	<0.05	8	<0.5	<0.2
VUL008 02+00W	Soil	9	16	0.34	241	0.130	<20	1.51	0.007	0.21	2.9	0.02	2.0	0.2	<0.05	6	<0.5	<0.2
VUL008 02+25W	Soil	17	25	0.57	180	0.172	<20	2.13	0.011	0.45	8.0	0.02	2.7	0.4	<0.05	8	<0.5	<0.2
VUL008 02+50W	Soil	17	24	0.61	345	0.170	<20	2.57	0.010	0.46	3.5	0.02	3.2	0.4	<0.05	8	<0.5	<0.2
VUL008 02+75W	Soil	7	12	0.22	121	0.171	<20	3.95	0.013	0.14	3.9	0.06	2.5	0.2	<0.05	10	<0.5	<0.2
VUL008 03+00W	Soil	8	12	0.31	132	0.150	<20	1.97	0.010	0.19	3.1	0.03	2.0	0.2	<0.05	7	<0.5	<0.2
TTVUS 001	Silt	11	26	0.59	85	0.121	<20	1.30	0.010	0.41	1.2	<0.01	2.4	0.3	<0.05	4	0.8	<0.2
TTVUS 002	Silt	10	25	0.64	96	0.154	<20	1.40	0.011	0.56	0.7	<0.01	3.4	0.3	0.05	5	<0.5	<0.2
TTVUS 003	Silt	19	25	0.63	100	0.132	<20	1.41	0.013	0.57	13.3	<0.01	2.9	0.3	<0.05	5	<0.5	<0.2
CDVUS 001	Silt	15	33	0.72	102	0.118	<20	2.48	0.015	0.33	3.6	0.04	2.6	0.3	0.13	7	1.3	<0.2

AcmeLabs™
A Bureau Veritas Group Company

www.acmelab.com

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

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 CANADA

Project: Vulcan
Report Date: October 07, 2014

QUALITY CONTROL REPORT VAN14003037.1

		Method	FA330	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Analyte	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	2	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																						
VUL001 00+25E	Soil		<2	2.0	13.4	10.1	42	<0.1	4.4	3.0	154	3.56	3.4	2.3	5.1	5	0.2	0.4	0.7	43	0.07	0.025
REP VUL001 00+25E	QC			2.1	13.8	11.1	44	0.1	5.0	3.3	159	3.82	3.8	2.0	5.3	5	0.1	0.4	0.7	45	0.08	0.028
VUL002 01+75E	Soil		<2	0.5	27.8	10.4	49	<0.1	19.9	12.8	200	2.49	7.0	0.8	5.1	4	<0.1	0.3	0.2	55	0.12	0.024
REP VUL002 01+75E	QC		<2																			
VUL002 00+75W	Soil		<2	0.7	16.8	8.9	40	<0.1	13.0	8.0	145	2.84	6.1	0.9	2.3	4	0.1	0.3	0.6	70	0.09	0.022
REP VUL002 00+75W	QC			0.8	17.6	8.8	39	<0.1	13.1	8.2	141	2.79	6.4	0.9	2.2	4	0.1	0.3	0.6	71	0.09	0.023
VUL003 01+50W	Soil		3	0.5	14.9	10.0	46	<0.1	13.8	8.0	156	2.54	4.7	<0.5	2.8	6	0.1	0.2	0.2	52	0.14	0.037
REP VUL003 01+50W	QC		22																			
VUL004 00+50E	Soil		<2	0.8	14.2	16.5	151	0.2	12.3	8.3	181	2.23	4.4	<0.5	5.9	8	0.3	0.2	0.6	40	0.10	0.083
REP VUL004 00+50E	QC			0.8	14.4	17.4	164	0.2	12.8	8.5	181	2.36	5.1	<0.5	5.6	8	0.4	0.2	1.1	43	0.11	0.084
VUL004 04+00W	Soil		<2	0.8	11.9	17.4	69	0.2	13.6	10.5	263	2.58	4.7	<0.5	4.5	17	0.1	0.2	1.6	47	0.21	0.139
REP VUL004 04+00W	QC		<2																			
VUL005 02+25E	Soil		<2	0.4	22.5	20.4	99	<0.1	20.9	15.0	456	2.97	5.3	1.7	7.2	20	0.1	0.2	1.0	57	0.25	0.067
REP VUL005 02+25E	QC			0.4	23.5	20.5	103	<0.1	20.6	14.6	514	3.11	5.4	3.0	7.7	18	<0.1	0.2	0.9	57	0.25	0.068
VUL006 02+50E	Soil		<2	1.0	20.8	46.5	206	0.2	18.5	16.8	617	2.71	9.9	<0.5	5.7	12	0.4	0.1	0.8	33	0.32	0.031
REP VUL006 02+50E	QC		<2																			
VUL006 02+25W	Soil		<2	0.8	14.7	11.8	65	<0.1	12.9	9.5	228	2.67	1.9	1.8	6.9	22	<0.1	0.1	0.6	31	0.10	0.078
REP VUL006 02+25W	QC			0.7	15.0	11.4	66	<0.1	13.1	9.2	228	2.56	2.2	1.8	6.8	21	<0.1	0.1	0.6	33	0.11	0.078
VUL007 02+00W	Soil		2	0.4	15.2	9.9	44	<0.1	9.2	8.9	281	2.18	2.9	<0.5	3.3	17	<0.1	<0.1	0.3	34	0.16	0.125
REP VUL007 02+00W	QC		<2																			
VUL008 01+25W	Soil		<2	0.5	20.1	20.1	51	<0.1	7.2	5.8	225	2.10	6.1	0.8	6.2	20	<0.1	<0.1	0.7	22	0.16	0.182
REP VUL008 01+25W	QC			0.6	21.3	20.3	54	<0.1	7.7	5.8	248	2.19	6.0	1.6	7.1	20	<0.1	<0.1	0.8	30	0.17	0.203
CDVUS 001	Silt		4	2.2	97.7	29.5	88	0.1	23.2	31.5	600	3.23	59.7	1.3	0.8	15	0.9	0.4	0.6	67	0.45	0.085
REP CDVUS 001	QC		7																			
Reference Materials																						
STD DS10	Standard			13.3	170.9	159.1	380	1.9	76.4	14.0	890	2.91	50.9	122.8	7.5	66	2.9	8.9	12.6	46	1.07	0.077
STD DS10	Standard			14.3	167.1	150.5	388	2.1	75.3	13.1	874	2.63	45.2	67.1	7.6	67	2.5	8.9	12.1	48	1.06	0.076
STD DS10	Standard			14.0	177.6	160.7	394	2.2	80.3	14.6	936	2.81	49.8	63.3	7.4	73	3.0	9.7	14.3	43	1.16	0.081

AcmeLabs™
A Bureau Veritas Group Company

www.acmelab.com

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

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 CANADA

Project: Vulcan
Report Date: October 07, 2014

QUALITY CONTROL REPORT VAN14003037.1

	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	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	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
VUL001 00+25E	Soil	12	21	0.40	70	0.193	<20	1.92	0.007	0.22	0.2	0.04	2.5	0.3	<0.05	10	<0.5	<0.2
REP VUL001 00+25E	QC	13	22	0.42	76	0.194	<20	2.01	0.007	0.24	0.2	0.05	2.8	0.3	<0.05	11	<0.5	<0.2
VUL002 01+75E	Soil	7	48	0.74	88	0.140	<20	2.66	0.009	0.23	0.6	0.02	2.9	0.2	<0.05	7	<0.5	<0.2
REP VUL002 01+75E	QC																	
VUL002 00+75W	Soil	5	22	0.50	45	0.178	<20	1.61	0.006	0.13	1.8	0.03	2.1	0.2	<0.05	10	<0.5	<0.2
REP VUL002 00+75W	QC	5	22	0.50	44	0.179	<20	1.65	0.007	0.14	1.7	0.03	2.1	0.2	<0.05	10	<0.5	<0.2
VUL003 01+50W	Soil	5	39	0.52	61	0.131	<20	2.05	0.010	0.12	0.5	0.03	2.2	0.2	<0.05	8	<0.5	<0.2
REP VUL003 01+50W	QC																	
VUL004 00+50E	Soil	10	15	0.31	91	0.138	<20	2.28	0.007	0.14	3.4	0.03	2.1	0.2	<0.05	8	<0.5	<0.2
REP VUL004 00+50E	QC	10	16	0.34	95	0.135	<20	2.36	0.007	0.14	3.8	0.05	2.4	0.2	<0.05	8	<0.5	<0.2
VUL004 04+00W	Soil	12	19	0.55	129	0.151	<20	2.66	0.008	0.22	5.2	0.03	2.1	0.3	<0.05	9	<0.5	<0.2
REP VUL004 04+00W	QC																	
VUL005 02+25E	Soil	16	38	0.83	229	0.204	<20	2.25	0.007	0.55	3.3	0.01	3.1	0.6	<0.05	7	<0.5	<0.2
REP VUL005 02+25E	QC	16	37	0.83	217	0.200	<20	2.20	0.008	0.53	2.9	<0.01	3.2	0.6	<0.05	8	<0.5	<0.2
VUL006 02+50E	Soil	29	17	0.48	127	0.171	<20	1.83	0.007	0.46	1.4	0.03	2.3	0.4	<0.05	6	<0.5	<0.2
REP VUL006 02+50E	QC																	
VUL006 02+25W	Soil	16	17	0.45	145	0.166	<20	1.50	0.005	0.33	1.6	<0.01	2.1	0.3	<0.05	6	<0.5	<0.2
REP VUL006 02+25W	QC	17	18	0.47	144	0.170	<20	1.50	0.005	0.36	1.7	<0.01	2.1	0.3	<0.05	6	<0.5	<0.2
VUL007 02+00W	Soil	6	14	0.33	234	0.142	<20	1.45	0.008	0.18	1.2	0.01	1.9	0.2	<0.05	5	<0.5	<0.2
REP VUL007 02+00W	QC																	
VUL008 01+25W	Soil	14	11	0.36	141	0.111	<20	1.32	0.006	0.26	3.4	0.01	2.0	0.2	<0.05	5	<0.5	<0.2
REP VUL008 01+25W	QC	16	14	0.40	146	0.113	<20	1.41	0.007	0.26	2.9	<0.01	2.1	0.2	0.07	5	<0.5	<0.2
CDVUS 001	Silt	15	33	0.72	102	0.118	<20	2.48	0.015	0.33	3.6	0.04	2.6	0.3	0.13	7	1.3	<0.2
REP CDVUS 001	QC																	
Reference Materials																		
STD DS10	Standard	17	58	0.79	418	0.086	<20	0.98	0.060	0.33	3.4	0.30	3.0	5.3	0.25	5	2.9	5.3
STD DS10	Standard	17	56	0.78	394	0.085	<20	0.97	0.065	0.33	2.9	0.30	3.0	5.2	0.31	4	2.2	5.2
STD DS10	Standard	18	58	0.81	407	0.081	<20	1.04	0.066	0.34	3.6	0.31	3.1	5.7	0.32	4	2.1	5.3

AcmeLabs™
A Bureau Veritas Group Company

www.acmelab.com

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

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 CANADA

Project: Vulcan
Report Date: October 07, 2014

QUALITY CONTROL REPORT VAN14003037.1

		FA330 Au ppb 2	AQ200 Mo ppm 0.1	AQ200 Cu ppm 0.1	AQ200 Pb ppm 0.1	AQ200 Zn ppm 1	AQ200 Ag ppm 0.1	AQ200 Ni ppm 0.1	AQ200 Co ppm 0.1	AQ200 Mn ppm 1	AQ200 Fe % 0.01	AQ200 As ppm 0.5	AQ200 Au ppb 0.5	AQ200 Th ppm 0.1	AQ200 Sr ppm 1	AQ200 Cd ppm 0.1	AQ200 Sb ppm 0.1	AQ200 Bi ppm 0.1	AQ200 V ppm 2	AQ200 Ca % 0.01	AQ200 P % 0.001
STD DS10	Standard		12.6	163.9	156.7	369	1.8	79.5	13.7	916	2.82	50.4	70.7	7.4	66	3.0	10.5	12.9	41	1.05	0.080
STD DS10	Standard		14.5	160.0	154.8	385	1.8	79.7	14.3	904	2.77	47.7	67.7	7.9	67	2.8	9.2	12.5	48	1.08	0.077
STD DS10	Standard		12.7	176.3	154.2	375	1.8	74.4	13.4	856	2.71	46.2	60.6	7.6	68	2.6	10.2	13.0	46	1.04	0.076
STD OREAS45EA	Standard		1.7	650.6	14.4	30	0.2	339.7	53.4	379	24.74	10.1	50.4	10.0	4	<0.1	0.4	0.2	283	0.05	0.026
STD OREAS45EA	Standard		1.7	678.0	14.6	30	0.3	349.8	47.6	380	21.98	11.5	48.6	10.1	4	<0.1	0.4	0.2	276	0.04	0.027
STD OREAS45EA	Standard		1.6	711.9	14.8	31	0.3	361.8	52.3	385	24.72	11.2	61.9	10.8	4	<0.1	0.4	0.3	288	0.04	0.029
STD OREAS45EA	Standard		1.7	673.5	15.4	30	0.3	347.3	51.8	390	24.47	12.0	51.0	10.4	4	<0.1	0.5	0.3	286	0.05	0.029
STD OREAS45EA	Standard		1.7	675.5	14.8	32	0.2	360.9	52.2	412	24.64	12.1	55.5	10.1	4	<0.1	0.4	0.2	292	0.04	0.028
STD OREAS45EA	Standard		1.6	664.6	14.7	31	0.3	351.3	51.0	363	22.90	11.4	54.5	9.8	4	<0.1	0.4	0.3	288	0.04	0.030
STD OXD108	Standard	423																			
STD OXD108	Standard	414																			
STD OXD108	Standard	412																			
STD OXD108	Standard	420																			
STD OXD108	Standard	431																			
STD OXD108	Standard	439																			
STD OXI121	Standard	1831																			
STD OXI121	Standard	1802																			
STD OXI121	Standard	1771																			
STD OXI121	Standard	1865																			
STD OXI121	Standard	1745																			
STD OXI121	Standard	1862																			
STD OXD108 Expected		414																			
STD OXI121 Expected		1834																			
STD DS10 Expected			14.69	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	43.7	91.9	7.5	67.1	2.49	8.23	11.65	43	1.0625	0.073
STD OREAS45EA Expected			1.39	709	14.3	28.9	0.26	381	52	400	23.51	9.1	53	10.7	3.5	0.02	0.2	0.26	303	0.036	0.029
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			

AcmeLabs™
A Bureau Veritas Group Company

www.acmelab.com

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

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 CANADA

Project: Vulcan
Report Date: October 07, 2014

QUALITY CONTROL REPORT VAN14003037.1

		AQ200 La ppm 1	AQ200 Cr ppm 1	AQ200 Mg % 0.01	AQ200 Ba ppm 1	AQ200 Ti % 0.001	AQ200 B ppm 20	AQ200 Al % 0.01	AQ200 Na % 0.001	AQ200 K % 0.01	AQ200 W ppm 0.1	AQ200 Hg ppm 0.01	AQ200 Sc ppm 0.1	AQ200 Tl ppm 0.1	AQ200 S % 0.05	AQ200 Ga ppm 1	AQ200 Se ppm 0.5	AQ200 Te ppm 0.2
STD DS10	Standard	16	55	0.77	398	0.077	<20	0.96	0.062	0.33	4.0	0.30	3.0	5.1	0.31	4	2.5	5.2
STD DS10	Standard	19	57	0.81	424	0.084	<20	1.02	0.067	0.33	3.2	0.31	3.2	5.2	0.34	4	2.3	5.0
STD DS10	Standard	17	54	0.73	417	0.075	<20	0.96	0.060	0.32	4.1	0.31	2.9	5.4	0.25	4	2.4	4.9
STD OREAS45EA	Standard	7	811	0.09	142	0.101	<20	2.85	0.019	0.05	<0.1	<0.01	75.8	<0.1	<0.05	12	1.3	<0.2
STD OREAS45EA	Standard	7	766	0.09	132	0.095	<20	2.74	0.018	0.04	<0.1	<0.01	71.3	<0.1	<0.05	12	1.2	<0.2
STD OREAS45EA	Standard	7	818	0.10	149	0.100	<20	2.91	0.021	0.05	<0.1	0.01	75.8	<0.1	<0.05	11	0.7	<0.2
STD OREAS45EA	Standard	7	868	0.09	152	0.100	<20	2.81	0.018	0.05	<0.1	0.01	76.3	<0.1	<0.05	12	1.2	<0.2
STD OREAS45EA	Standard	7	815	0.09	146	0.100	<20	2.88	0.017	0.05	<0.1	0.01	77.4	<0.1	<0.05	12	1.5	<0.2
STD OREAS45EA	Standard	7	783	0.09	149	0.092	<20	2.78	0.018	0.05	<0.1	<0.01	70.2	<0.1	<0.05	12	1.2	<0.2
STD OXD108	Standard																	
STD OXD108	Standard																	
STD OXD108	Standard																	
STD OXD108	Standard																	
STD OXD108	Standard																	
STD OXD108	Standard																	
STD OXI121	Standard																	
STD OXI121	Standard																	
STD OXI121	Standard																	
STD OXI121	Standard																	
STD OXI121	Standard																	
STD OXI121	Standard																	
STD OXD108 Expected																		
STD OXI121 Expected																		
STD DS10 Expected		17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	0.3	2.8	5.1	0.29	4.3	2.3	5.01
STD OREAS45EA Expected		6.57	849	0.095	148	0.0875		3.13	0.02	0.053			78	0.072	0.036	11.7	0.6	0.07
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	

AcmeLabs™
A Bureau Veritas Group Company

www.acmelab.com

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

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 CANADA

Project: Vulcan
Report Date: October 07, 2014

QUALITY CONTROL REPORT VAN14003037.1

		FA330	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		2	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	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	2																			
BLK	Blank	2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
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		<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		<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		<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		<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		<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

AcmeLabs™
A Bureau Veritas Group Company

www.acmelab.com

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

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 CANADA

Project: Vulcan
Report Date: October 07, 2014

QUALITY CONTROL REPORT VAN14003037.1

		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		La	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	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2

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

www.acmelab.com

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 CANADA

Submitted By: Chris Gallagher
Receiving Lab: Canada-Vancouver
Received: September 15, 2014
Report Date: October 02, 2014
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN14003038.1

CLIENT JOB INFORMATION

Project:	Vulcan
Shipment ID:	VU14-002
P.O. Number	VU14-002
Number of Samples:	2

SAMPLE DISPOSAL

RTRN-PLP	Return
DISP-RJT	Dispose of Reject After 90 days

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	2	Crush, split and pulverize 250 g rock to 200 mesh			VAN
FA330-Au	2	Fire assay fusion Au by ICP-ES	30	Completed	VAN
AQ300	2	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
DRPLP	2	Warehouse handling / disposition of pulps			VAN

ADDITIONAL COMMENTS

Invoice To: TerraLogic Exploration Inc.
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7
CANADA

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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

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

www.acmelab.com

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 CANADA

Project: Vulcan
Report Date: October 02, 2014

CERTIFICATE OF ANALYSIS VAN14003038.1

	Method	WGHT	FA330	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001
MMVUR001	Rock	0.78	<2	1	26	4	27	<0.3	5	3	222	2.58	<2	8	11	<0.5	<3	<3	25	0.06	0.037
MMVUR002	Rock	1.72	<2	1	19	44	53	<0.3	6	4	595	2.77	179	9	3	<0.5	<3	<3	17	0.09	0.038

AcmeLabs™
A Bureau Veritas Group Company

www.acmelab.com

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

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 CANADA

Project: Vulcan
Report Date: October 02, 2014

CERTIFICATE OF ANALYSIS VAN14003038.1

		Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
MMVUR001	Rock		8	21	0.71	74	0.150	<20	1.22	0.02	1.01	<2	0.09	<1	<5	<5	<5
MMVUR002	Rock		17	14	0.65	33	0.062	<20	1.02	0.02	0.57	<2	0.48	<1	<5	<5	<5

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

www.acmelab.com

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 CANADA

Project: Vulcan
Report Date: October 02, 2014

QUALITY CONTROL REPORT VAN14003038.1

	Method	WGHT	FA330	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001
Pulp Duplicates																					
MMVUR002	Rock	1.72	<2	1	19	44	53	<0.3	6	4	595	2.77	179	9	3	<0.5	<3	<3	17	0.09	0.038
REP MMVUR002	QC			1	19	43	55	<0.3	6	4	603	2.83	186	9	3	<0.5	<3	<3	17	0.09	0.039
Reference Materials																					
STD DS10	Standard			12	148	140	362	1.6	72	11	844	2.65	45	6	63	2.3	8	12	42	1.04	0.074
STD OREAS45EA	Standard			2	676	19	31	<0.3	359	45	398	23.14	12	5	4	<0.5	<3	<3	284	0.03	0.029
STD OXD108	Standard		452																		
STD OXD108 Expected			414																		
STD DS10 Expected				14.69	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	43.7	7.5	67.1	2.49	8.23	11.65	43	1.0625	0.073
STD OREAS45EA Expected				1.39	709	14.3	28.9	0.26	381	52	400	23.51	9	10.7	3.5				303	0.036	0.029
BLK	Blank		<2																		
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001
Prep Wash																					
G1	Prep Blank		<2	<1	4	4	34	<0.3	<1	3	448	1.73	<2	<2	21	<0.5	<3	<3	19	0.49	0.038

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

www.acmelab.com

Client: **TerraLogic Exploration Inc.**
Suite 200, 44 - 12th Ave. S.
Cranbrook BC V1C 2R7 CANADA

Project: Vulcan
Report Date: October 02, 2014

QUALITY CONTROL REPORT VAN14003038.1

		Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
Pulp Duplicates																	
MMVUR002	Rock		17	14	0.65	33	0.062	<20	1.02	0.02	0.57	<2	0.48	<1	<5	<5	<5
REP MMVUR002	QC		17	15	0.66	34	0.064	<20	1.04	0.02	0.58	<2	0.48	<1	<5	<5	<5
Reference Materials																	
STD DS10	Standard		15	52	0.74	406	0.069	<20	0.95	0.06	0.32	3	0.29	<1	<5	<5	<5
STD OREAS45EA	Standard		7	826	0.08	145	0.091	<20	2.91	0.02	0.05	<2	<0.05	<1	<5	<5	77
STD OXD108	Standard																
STD OXD108 Expected																	
STD DS10 Expected			17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	0.29	0.3	5.1	4.3	2.8
STD OREAS45EA Expected			6.57	849	0.095	148	0.0875		3.13	0.02	0.053		0.036			11.7	78
BLK	Blank																
BLK	Blank		<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
Prep Wash																	
G1	Prep Blank		5	2	0.43	54	0.056	<20	0.85	0.07	0.07	<2	<0.05	<1	<5	<5	<5

Appendix VI
Geologic Station Data

Appendix 6.1
Station Locations and Descriptions

Wednesday, December 10, 2014

Station Number	Date	Location Method	Elevation (M)	Easting	Northing	Accuracy (m)	Notes
MMVUG002	9/5/2014	GPS	1498	550812	5516395	15	
MMVUG003	9/5/2014	GPS	1502	550892	5516475	16	
MMVUG004	9/5/2014	GPS	1498	550895	5516480	15	
MMVUG005	9/5/2014	GPS	1503	550991	5516537	13	
MMVUG006	9/5/2014	GPS	1501	551032	5516555	12	
MMVUG007	9/8/2014	GPS	2261	547921	5517397	3	
MMVUG008	9/8/2014	GPS	1899	549995	5516666	9	Start of VUL003 00+00.
MMVUG009	9/8/2014	GPS	1895	550179	5516685	11	

Appendix 6.2
Lithology

Tuesday, December 09, 2014

Station Number	Degree of Transport	Proportion of Rocktype	Map Unit	Major Rock Type	Minor Rock Type	Colour	Grain Size	Notes
MMVUG002	outcrop	100	Mp -Alr	schist	subfeldspathic arenite	moderate brown (orangish)	medium-fine	Large outcrop > 35 m stratigraphic section exposed in slide path. Subfeldspathic wacke tending to biotite schist - pelitic layers. Oxidation on weathered surfaces is patchy - weathering of fine grained sulphides within siliceous beds. Bedding thickness ranges from mm scale fine tabular partings to 10 cm thick tabular beds. First impressions is that the rocks belong to the Lower Aldridge formation. Biotite and feldspar rich matrix - weak oxidation of biotite - limoinite.
MMVUG003	outcrop	100	Mp - Am	wackestone	schist	blackish blue	medium-fine	feldspathic wackestone tending to biotite schist. Medium - thick bedded (30 - 100 cm thick beds), tabular beds with disctinct contacts. More typical of Middle Aldridge.
MMVUG004	subcrop	100	Mp -Am	wackestone	schist	blackish blue	medium-fine	feldspathic wackestone tending to biotite schist. Medium - thick bedded (30 - 100 cm thick beds), tabular beds with disctinct contacts. More typical of Middle Aldridge. 3 m x 3 m s/c?
MMVUG005	outcrop	100	Mp - Am	feldspathic wacke	schist	blackish blue	medium-fine	Thin - medium (2 - 35 cm thick beds) bedded feldspathic wacke tending to biotite schist. Thicker beds tend to be quartz rich. Schistosity is evident in thin interbeds of pelitic sediments.
MMVUG006	outcrop	100	Mp - Am	feldspathic wacke		blackish blue	medium-fine	Thick bedded (50 - 100 cm thick beds) quartzofeldspathic wacke with thin (2 - 10 cm thick beds) of pelite tending to biotite schist. Poor exposure makes it difficult to determine if outcrop or subcrop.

Station Number	Degree of Transport	Proportion of Rocktype	Map Unit	Major Rock Type	Minor Rock Type	Colour	Grain Size	Notes
MMVUG007	outcrop	100	Mp - LMC	metasiltstone	fragmental	strong brown	medium-fine	Hilo 3 Mineral Showing - sample collected along strike from the main mineral showing sampled in 2012. Thin bedded (2 - 10 cm thick) metasiltstone/fragmental. In very thin bedded units there are alternating light/dark fine bedding - varve like appearance.
MMVUG009	outcrop	100	Mp - Am	quartz wacke		light grey	medium-fine	Medium - thick bedded (30 - 100 cm thick beds) quartz wacke. Contacts are sharp and tabular.

Appendix 6.3
Structure

Tuesday, December 09, 2014

Station Number	Name	Phase	Azimuth	Dip	Quality	Notes
MMVUG002	bedding	0	270	78	good	
MMVUG003	bedding	0	264	72	good	
MMVUG005	bedding	0	269	76	moderate	
MMVUG007	bedding	0	79	77	good	
MMVUG009	bedding	0	333	67	good	