



Ministry of Energy and Mines  
BC Geological Survey

Assessment Report  
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Prospecting/Geochemistry

TOTAL COST: \$8811.40

AUTHOR(S): Lukasz Jarawka

SIGNATURE(S): 

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): Not Required

YEAR OF WORK: 2012

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): \_\_\_\_\_

PROPERTY NAME: Peacock

CLAIM NAME(S) (on which the work was done): 774942, 774962, 670804, 670703, 670683, 670623

COMMODITIES SOUGHT: Copper

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: \_\_\_\_\_

MINING DIVISION: Nicola Mining Division

NTS/BCGS: 921/02

LATITUDE: 50 ° 07 ' 05 " LONGITUDE: 120 ° 49 ' 57 " (at centre of work)

OWNER(S):

1) Christopher Delorme

2) \_\_\_\_\_

MAILING ADDRESS:

P.O. Box 1904 Voght Street Merritt, B.C. V1K 1B3

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

1) Christopher Delorme

2) \_\_\_\_\_

MAILING ADDRESS:

P.O. Box 1904 Voght Street Merritt, B.C. V1K 1B3

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

Nicola Group, undivided volcanic rocks of the Nicola Group, Upper Triassic, bornite, chalcopyrite, malachite, native copper,

Nicola Horst, Nicola Batholith

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 425, 503, 3634, 6179, 6180, 6264, 9214, 9354, 10518, 25283, 28721, 32465

Next Page

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
<b>GEOLOGICAL (scale, area)</b>			
Ground, mapping			
Photo interpretation			
<b>GEOPHYSICAL (line-kilometres)</b>			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
<b>GEOCHEMICAL (number of samples analysed for...)</b>			
Soil 14		774962	232.40
Silt			
Rock 40 samples for 34 element ICP-ES		All listed tenures	664.00
Other			
<b>DRILLING (total metres; number of holes, size)</b>			
Core			
Non-core			
<b>RELATED TECHNICAL</b>			
Sampling/assaying 40 samples collected		All listed tenures	4000
Petrographic			
Mineralographic			
Metallurgic			
<b>PROSPECTING (scale, area) 135</b>		All listed tenures	3790
<b>PREPARATORY / PHYSICAL</b>			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail 1/2 day		All listed tenures	125
Trench (metres)			
Underground dev. (metres)			
Other			
<b>TOTAL COST:</b>			<b>\$8811.40</b>

# **Soil and Rock Geochemical Report on the Peacock Property**

**BC Geological Survey  
Assessment Report  
33375**

**Nicola Mining Division – British Columbia**

**NTS Map: 92I/02**

**Mineral Tenures: 774942, 774962, 670804, 670703, 670683, 670623**

**Longitude: 120°37'14" W    Latitude: 50° 12' 16" N**

**Event #5397088**

**Submitted October 28, 2012**

**For: Christopher Delorme, FMC #141575**

**Written by: Lukasz Jarawka B.Sc. Geology**

**West Kelowna, British Columbia**

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## **Terms of Reference:**

This assessment report is being written for Christopher Delorme who is the operator and 100% registered and beneficial owner of the subject tenures at the effective date of the report.

The assessment work described herein was completed by the owner. The author takes no responsibility for data collected and did not supervise the field program.

Information in this assessment report was in part gathered from public geoscience and mineral title records maintained by the B.C. Ministry of Mines, as referenced. Any such information is believed to be accurate, however there has, in general, been no attempt to verify reported historical results.

Information gathered from public records and provided in this report has generally been referenced in summary. That historical information should be assessed only in the context of the original source reports taken as a whole.

## Introduction:

Known copper mineralization and favorable geology on the Peacock property has fueled exploration in and around the present claim boundaries since the early 1900s.

In 2012, the owner of the Peacock property conducted a rock and soil sampling program. That rock and soil sampling program is described herein and forms the basis of this report.

The aim of the 2012 work program was to assess, in reconnaissance fashion, the property for new mineralization by locating highly mineralized quartz veins, and to assess mineralization reported in previously known showings.

The 7 man-day program was successful in locating and sampling highly mineralized quartz veins on the property. These were located in or near old mineral occurrences and, from west to east, MINFILE records 092ISE132 "Peacock", 092ISE123 "Copperado", 092ISE124 "Copperado" and 092ISE125 "Copperado" appear to describe these occurrences well.

Future work should be focused on the northwestern-most mineralized area tested, at the "Peacock" MINFILE occurrence, near Clapperton Creek and the common boundary of tenures #774942, 774962 and 670804, as this showing has the less recorded physical exploration than the other showing areas.

## Claim Information:

At the date of the work program, the Peacock property comprised the tenures listed. The property is owned as to a 100% registered and beneficial interest by the operator, and the operator represents that it is held free and clear of any encumbrance, royalty, option or the like.

There is an internal legacy claim and crown grant within tenure #670683 (centered on the past-producing Turlight workings) that have superior title to the minerals within their boundary, and thus the net acreage secured by the Peacock property is approximately 1,320 hectares, more or less.

Registered and Beneficial Owner	Tenure No.	Claim Name	Issue Date	Area (Ha)
C. Delorme	774942	STUMP	May 17, 2010	186.03
C. Delorme	774962	STUMP 1	May 17, 2010	103.37
C. Delorme	670804	PEACOCK	November 18, 2009	310.15
C. Delorme	670703	COPPERADO 3	November 17, 2009	289.55
C. Delorme	670683	COPPERADO 2	November 17, 2009	289.58
C. Delorme	670623	COPPERADO	November 17, 2009	186.16
			<b>Total area:</b>	<b>1364.84</b>

## Location and Access:

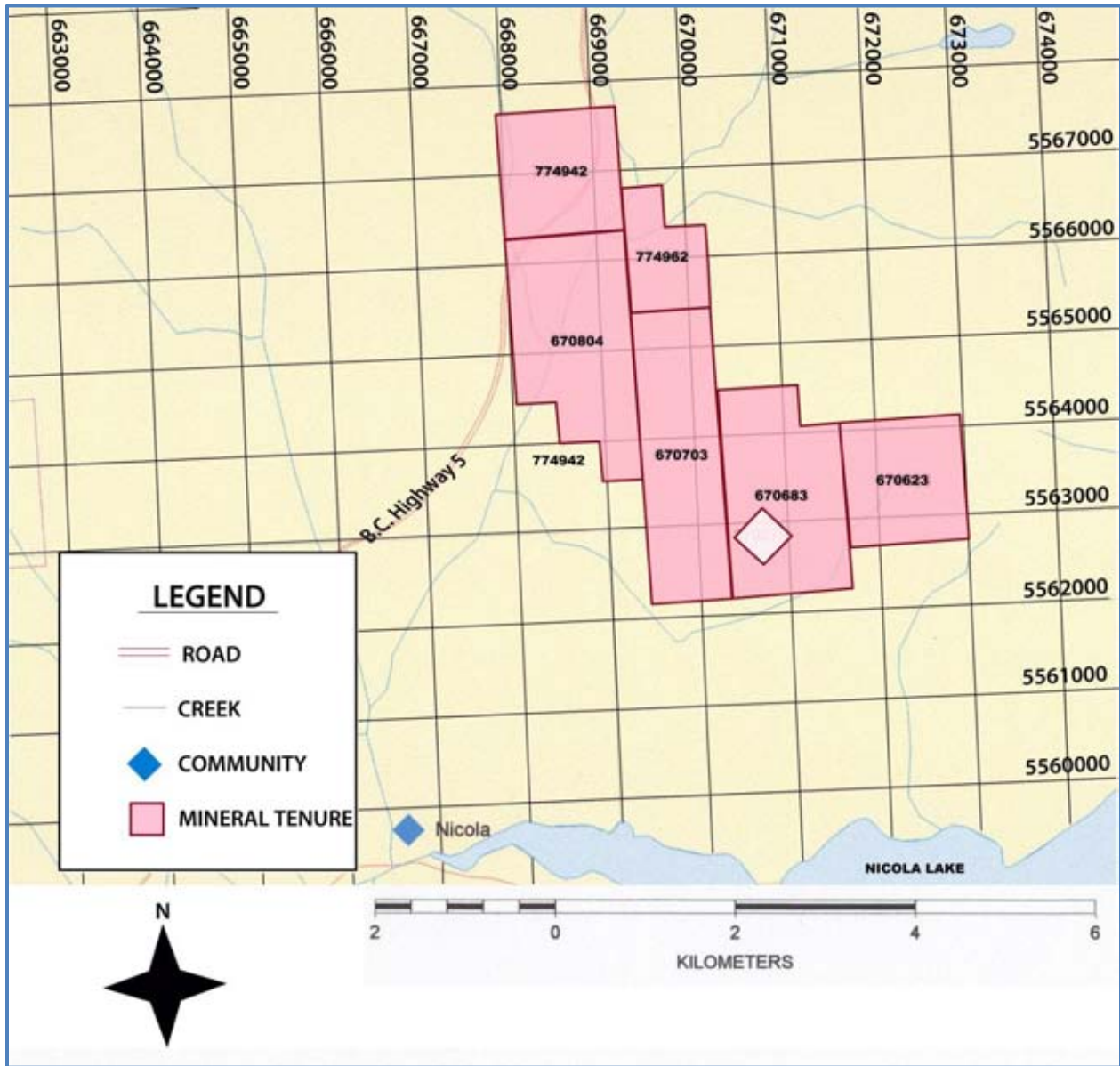


The Peacock property is centred on approximately 50° 12' 16" N by 120°37'14" W, and is located in south central British Columbia, near the town of Merritt and the community of Nicola, in the Nicola Mining Division. The northwest corner of the property is crossed by B.C. Provincial Highway 5 (Coquihalla Highway). The property is located approximately 220 km northeast by air from Vancouver, and 18.6 km by road northeast of the town of Merritt. Access to Merritt from the major population centers is via the Coquihalla Highway.

Access to the property can be gained from a variety of locations. From Merritt, follow highway 5A (Princeton-Kamloops Highway) for approximately 11km to the community of Nicola. Once in Nicola turn off highway 5A onto Mill Creek Road. Travel northwards for approximately 6.5 km to the property boundary. Various forestry roads can be taken from this point to different parts of the property. A good 4x4 is recommended on forestry roads.

Merritt and the nearby metropolitan area of Kamloops (approximately 1 hour by road) have all services necessary for mineral exploration and mining.





### Physiography:

The property is located in the Cascade Forest District of British Columbia. Climate in the area is semi-arid with an average precipitation of 320mm annually. Temperatures in the region can range from -30°C to +30°C (-22°F to 86°F), though extremes of -42°C and +41°C (-43°F to 106°F) have been recorded (National Climate Data and Information Archives, Merritt STP station).

The property is situated north of Nicola Lake. Elevations on the property range from 1200m to 1700m above sea level. The property is covered by medium to high density forests of coniferous trees, and to a lesser extent, deciduous trees.

## History:

Exploration within and around the Peacock Property has been ongoing for many years. Some of the earliest recorded work in the area dates back to the 1920s, at which time copper mineralization was discovered in a high grade quartz vein. Mineralization from this initial major discovery was in the form of bornite and chalcopyrite.

In 1929 Turlight Mines Limited was incorporated and conducted mining operations by excavation and by sinking a shaft to 60 feet (18 meters) to follow the prospective quartz vein (*B.C. Reports of the Minister of Mines 1929 p.246*). In 1947 after many years of inactivity the property was put back into production under Guichon Mine Limited (*B.C. Reports of the Minister of Mines 1947 p136*). The property was under option by Anaconda Copper Mining Company during the years of 1947 to 1948. At this time seven holes totaling 2578 feet (786 meters) of diamond drilling was conducted in an effort to test the ore-bearing structure. The option was dropped after drilling (*B.C. Reports of the Minister of Mines 1949 p.115*). Guichon Mine Limited continued production and deepened the shaft to 450 feet (137 meters) until the mine was closed in 1951 (*B.C. Reports of the Minister of Mines 1951 p. 128*). *The mine development described is located within the crown grant and legacy claim internal to tenure #670683, and thus is not secured by the Peacock property. However, its exploration history may be relevant to assessing local geology and mineral potential, and is thus included.*

Since closing of the Turlight mine, the property has been subject to a number of exploration projects, as follows:

*Montgomery, W.B. P. Eng. 1962 Report of a Geochemical Survey on the Copperado Property. Assessment Report No. 425.*

The work described in this report was undertaken within and/or near the current tenure #670683.

The work performed consisted of in-the-field geochemical analysis of soil samples. The methods used indicated the strengths of copper mineralization within the soil, and were only approximations based on in-the-field assay color matching procedures. It was noted that in almost every sample some copper was present and the southeast section of the property was the location of the strongest and most wide-spread geochemical reactions.

*Sutherland, D. B. 1963. Report on the Geophysical Survey (Induced Polarization & Resistivity) on The Copperado Mine Claim Group. Assessment Report No. 503.*

The work described in this report was undertaken within and/or near the current tenure #670683.

This work program consisted of conducting geophysical surveys in the form of induced polarization-resistivity on a part of the then Copperado Mining Claim Group. The survey results encompassed only minor anomalies within the test area.

*Rowe, R. B. and Cowan, W. D. 1972. Geochemical and Geophysical Report on the Smith Claim Group. For Pacific Petroleums Ltd. Assessment Report No. 3634.*

The work described in this report was undertaken within and/or near the current tenure #670804.

This work program consisted of geochemical and geophysical surveying performed on the Smith Group of mineral claims by Pacific Petroleum Ltd. The sampling of soil in the area resulted in a Northwest-trending copper soil anomaly that was approximately 2300 feet wide (701 meters) by 4000 feet long (1219 meters). Anomalous values of up to 7300 ppm of copper were recorded within this area.

*Lorimer, M.K. P. Eng. 1977. Report on a Drilling Programme on the Tol Group. For Coppestar Mine Ltd. Assessment Report No. 6179.*

The work described in this report was undertaken within and/or near the current tenure #670683.

The work program involved drilling three holes each to a depth of 350 feet (106 meters) to determine the extent of surface mineral exposure. It was determined that Cu, Mo and Ag enrichment was present all three holes. The extent of enrichment reported within the drill holes is as follows:

Hole ID	Copper (Cu)	Molybdenum (Mo)	Silver (Ag)
PH 76/4	Low: 0.01 % High: 0.20 %	Low: < 0.001 % High: 0.013 %	Low: trace High: 0.15 OZ/ST
PH 76/5	Low: 0.01 % High: 0.05 %	Low: < 0.001 % High: 0.004 %	Low: trace High: 0.07 OZ/ST
PH 76/6	Low: 0.01 % High: 0.02 %	Low: 0.001 % High: 0.002 %	Low: trace High: 0.89 OZ/ST

Intervals of stronger enrichment were invariably narrow, however, and overall results were of little economic interest.

*Lorimer, M.K. P. Eng. 1977. Report on a Drilling Programme on the Mar Group. For Copperstar Mine Ltd. Assessment Report No. 6180.*

The work described in this report was undertaken within and/or near the current tenure #670683.

The work program consisted of drilling three holes in the then-called Mar claim group. A total depth of 865 feet was drilled and assayed for copper. Low levels of copper enrichment were recorded. The drilling in this program was conducted near the Turlight shaft. The extent of low-level copper enrichment reported within the drill holes is as follows:

Hole ID	Copper (Cu)
PH 76/1	Low: 0.01 % High: 0.02 %
PH 76/2	Low: 0.01 % High: 0.04 %
PH 76/3	Low: 0.01 % High: 0.03 %

These holes were drilled near the Turlight shaft, with PH 76/3 drilled within the Crown Grant.

*Lisle, T. E. P. Eng. 1977. Geological Report on The Nicola No. 1 Claim. Assessment Report No. 6264.*

The work described in this report was undertaken within and/or near the current tenure #670804.

This work program consisted of mapping and prospecting the Nicola No. 1 claim. Copper mineralization was observed and was typically associated with quartz veins within granodiorite units. Observed mineralization consisted of chalcopyrite, malachite, and minor bornite. In most cases it was found that mineralization was associated with minor pyrite. Even though mineralization was not significant, a northwest trend of the mineralized granodiorite was noted. The geochemical analysis of rock chip samples collected recognised Mo values ranging from 1 to 5 ppm, Cu values ranging from 7 to 1230 ppm and Au values ranging from 0 to 20ppb.

*Tully, D. W. P. Eng. 1981. Assessment Report VLF Electromagnetic, Magnetometer and Geochemical Surveys on The Sue Mineral Claim. For Nalos Mining Corporation. Vancouver, B.C. Assessment Report No. 9214.*

The work described in this report was undertaken within and/or near the current tenure #670683.

This work program consisted of electromagnetic, magnetometer and geochemical surveys on the Sue claim. It was determined that the northeast sector of the property showed zones of anomalous geochemical copper, magnetic intensity and electromagnetic conductivity. The electromagnetic and magnetometer surveys reported a northward trending anomaly. The geochemical survey of 206 soil samples recorded copper levels ranging from 10 ppm to 1100 ppm with the greatest intensity near the northeast sector of the property.

*Tully, D. W. P. Eng. 1981. Assessment Report VLF Electromagnetic, Magnetometer and Geochemical Surveys on The Mike #1 – 8 Mineral Claim Group. For NewLine Resources Ltd. Vancouver, B.C. Assessment Report No. 9354.*

The work described in this report was undertaken within and/or near the current tenure #670623.

The work program involved conducting two geophysical surveys, and one geochemical survey on the Mike 1 to Mike 8 claim blocks. The two geophysical surveys were electromagnetic and magnetometer. The geochemical survey consisted of soil sampling. The magnetometer survey distinguished a northerly trending anomaly. A geochemical survey consisting of 152 soil samples found copper values ranging from 6 ppm to 3000 ppm. Anomalous copper values were found within claim blocks Mike 3 and Mike 5 and along the border of Mike 5 and Mike 6.

*Tully, D. W. P. Eng. 1982. Drilling Assessment Report on The Star #100 Mineral Claim. For Danstar Mines Ltd. Vancouver, B.C. Assessment Report No. 10518.*

The work described in this report was undertaken within and/or near the current tenure #670683.

The program consisted of diamond drilling on the Star 100 claim. A total of two holes totaling 1006 feet (307 meters) were drilled in the southeast zone of the Star 100 claim near the Turlight shaft. Results for the two holes are as follows:

Hole ID	Copper (Cu)	Molybdenum (Mo)	Silver (Ag)	Gold (Au)
D-1-81	Low:0.02 % High:0.61 %	Low: 0.002 % High: 0.041 %	Low: N/A High: N/A	Low: N/A High: N/A
D-5-82	Low: 0.01 % High: 0.53 %	Low: 0.001 % High: 0.001 %	Low: trace High: 0.25 OZ/ST	Low: 0.002 OZ/ST High: 0.003 OZ/ST

The best intervals were invariably narrow. D-1-81 drilled in the East zone (then called the Southeast zone) had as its best interval 0.61 meters grading 0.61% copper. D-5-82, drilled at the Turlight shaft, had as its best interval 1.53 m grading 0.53% copper and 0.25 oz per ton silver.

This report also gave the results for a series of 6 earlier drill holes, TM11 through TM 16, drilled in the East zone. Key intervals reported included 0.27% copper over 61 meters in TM16, and the author notes that: “the indicated averaged grade is not commercial, though the copper ranges up to 0.53% over 24 feet [7.3meters] and the molybdenum up to 0.16% over similar widths” (p. 23).

*Kalnins, T. E. P. Eng. 1997. Soil Geochemical Report on The COP Property. For Lamancha Resources Inc. Vancouver, B.C. Assessment Report No. 25283.*

The work described in this report was undertaken within and/or near the current tenure #670703.

This work program involved the gathering and analyzing of 1188 soil samples, 31 line-kilometers on the COP property. Two areas of anomalous copper were defined by the program, one on the western part of the grid and the other on the eastern part.

The western anomalous area was reported to be 500 meters long by 350 meters wide and contained copper values from 110 ppm to 1709 ppm. The eastern anomalous area was reported to be 700 meters long by 600 meters wide and contained copper values from 110 ppm to

2956.5 ppm. Both the western and eastern anomalies trend to the northwest and seem to be associated with copper mineralization within quartz and quartz-feldspar veining.

Payne, C.W. P. Geo. 2006. 2006 Core Drilling Report on The COP Property. For Columbia Yukon Explorations Inc. Vancouver, B.C. and CRC Exploration Ltd. Coquitlam, B.C. **Assessment Report No. 28721.**

The work described in this report was undertaken within and/or near the current tenure #670703 and 670683.

The work program consisted of drilling 5 core holes, a total of 968 meters on the COP property. Low grades of copper and silver were found associated with quartz, quartz-feldspar veining and quartz-feldspar porphyry dikes. Results listing the assayed high and low values for the mentioned drill program are as follows:

Hole ID	Copper (Cu) ppm	Molybdenum (Mo) ppm	Silver (Ag) ppm	Gold (Au) ppb
<b>COP06-01</b>	Low: 148.3 High: 3154.8	Low: 0.2 High: 4.1	Low: < 0.1 High: 5.2	Low: < 0.5 High: 102.9
<b>COP06-02</b>	Low: 6.5 High: 3793.6	Low: 0.1 High: 24.3	Low: <0.1 High: 1.7	Low: < 0.5 High: 75.4
<b>COP06-03</b>	Low: 85.0 High: 5678.7	Low: 0.1 High: 42.7	Low: < 0.1 High: 6.5	Low: <0.5 High: 171.5
<b>COP06-04</b>	Low: 66.3 High: 3432.0	Low: 0.2 High: 17.1	Low: < 0.1 High: 1.4	Low: < 0.5 High: 21.4
<b>COP06-05</b>	Low: 20.3 High: 1982.5	Low: 0.8 High: 103.9	Low: < 0.1 High: 2.5	Low: 0.6 High: 36.5

As seen elsewhere, higher grade intervals were unfortunately narrow. The author of that report summarized results as follows: (p. 4):

West Zone drilling encountered weakly chlorite-sericite altered diorite body containing a modest fine to coarse stockwork of quartz-feldspar veins containing disseminated and clots chalcopyrite, chalcocite and minor bornite. Disseminated native copper was encountered in three of the four drill holes. **Drill hole COP06-01 encountered a 3.04m intersection averaging 2596.8ppm Cu followed by 16.00m of 1631.3ppm Cu.** These anomalous geochemical values are caused by disseminated native copper within the altered diorite associated with chalcopyrite-chalcocite-bornite mineralized quartz-feldspar veins. **Drill hole CP06-02 encountered 4.00m grading 1880.30ppm Cu** caused by disseminated native copper and mineralized quartz-feldspar veining. **COP06-03 cut 13.00m averaging 1843.0ppm Cu** caused by disseminated native copper and a moderately mineralized quartz-feldspar stockwork. **COP06-04 cut foliated diorite throughout its entire length with spotty copper mineralization ranging up to 3432.0ppm Cu over 2.00m.** Clots and stringers of chalcopyrite-chalcocite hosted in quartz-feldspar veins is the cause of the anomalous geochemical values.

One drill hole COP06-05 was drilled to test anomalous Cu-Ag soil geochemical results within the East Zone target. The drill hole encountered granite followed by foliated diorite and then a 16.00m thick fault zone and ended in unaltered granite. Again, geochemical results show spotty,



weakly anomalous copper values up to 1982.5ppm Cu with one interval from 118.50 to 122.0m (3.50m) returning 1914.4ppm Cu.

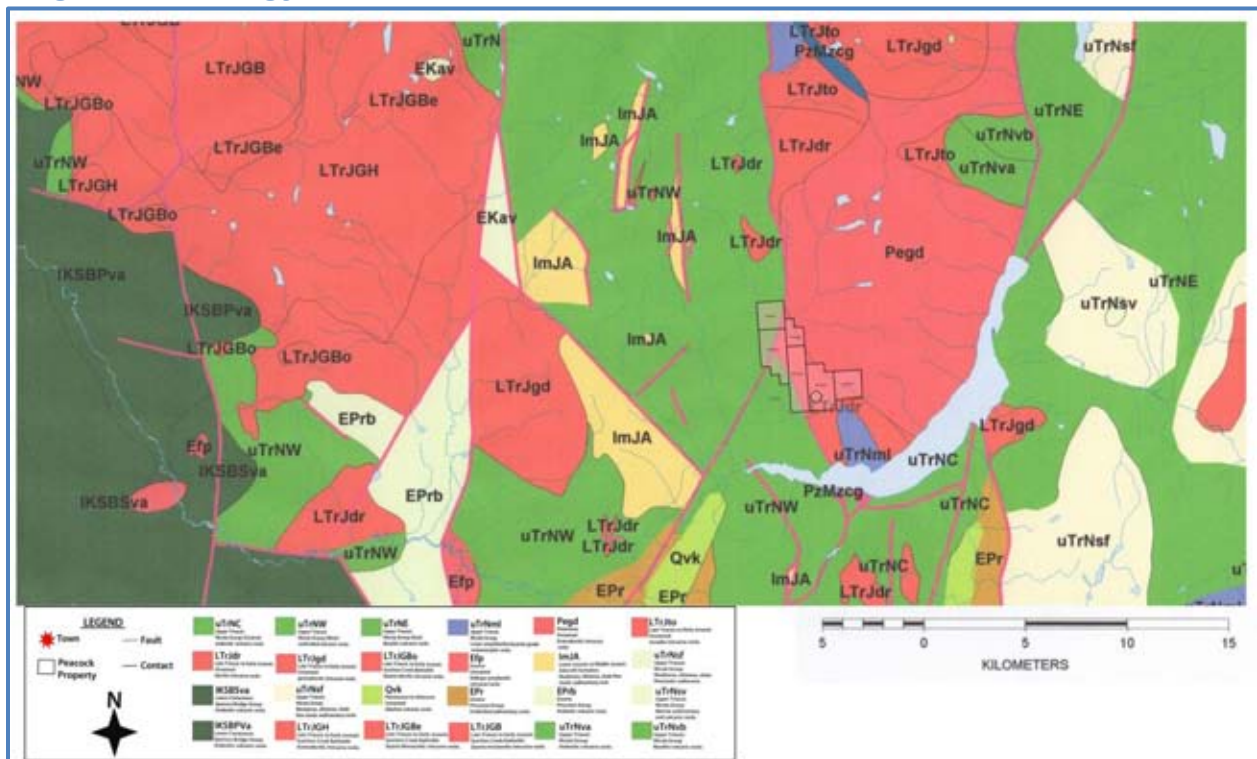
Garrow, T. P. Geo. 2011. Peacock Property Report. For Chris Delorme. **Assessment Report 32465**.

This report described geophysical work done on the current tenures 670804,670703,670683,670623.

The work program consisted of performing a ground geophysical survey of 8 kilometers. A proton magnetometer/VLF-EM was used to conduct the survey on an east-west grid. Results of the survey revealed three areas with a magnetic high trending northwest to southeast.

## Geologic setting:

### Regional Geology:



The Intermontane Belt in the Canadian cordillera has been subject to extensive exploration and hosts many mineral deposits, including Highland Valley, Afton, Copper Mountain and Brenda, among others.

The Peacock property lies within the central portion of the Nicola Belt, which is in the Intermontane Belt of the Canadian Cordillera; it is comprised of Volcanic, Sedimentary, and Intrusive units predominantly of the Upper Triassic. The Nicola group extends the length of the Intermontane Belt into the Yukon Territory (where it is referred to as the Takla and Stuhini

volcanic assemblages). The central portion of this group extends from the United States border to Kamloops Lake and is approximately 180 km long by 40 km wide (Preto, 1991). Tertiary volcanic rocks overlay the Nicola belt in the north, whereas the eastern portion of the belt is intruded by granitic rocks of various plutons related to and including the Okanagan Batholith. The Eagle Complex comprising granitic rocks along with Jurassic age and younger strata are bound to the western part of the Nicola Belt whereas the southern portion of the belt is intruded by granitic rocks of the Similkameen Batholith (Preto, 1991).

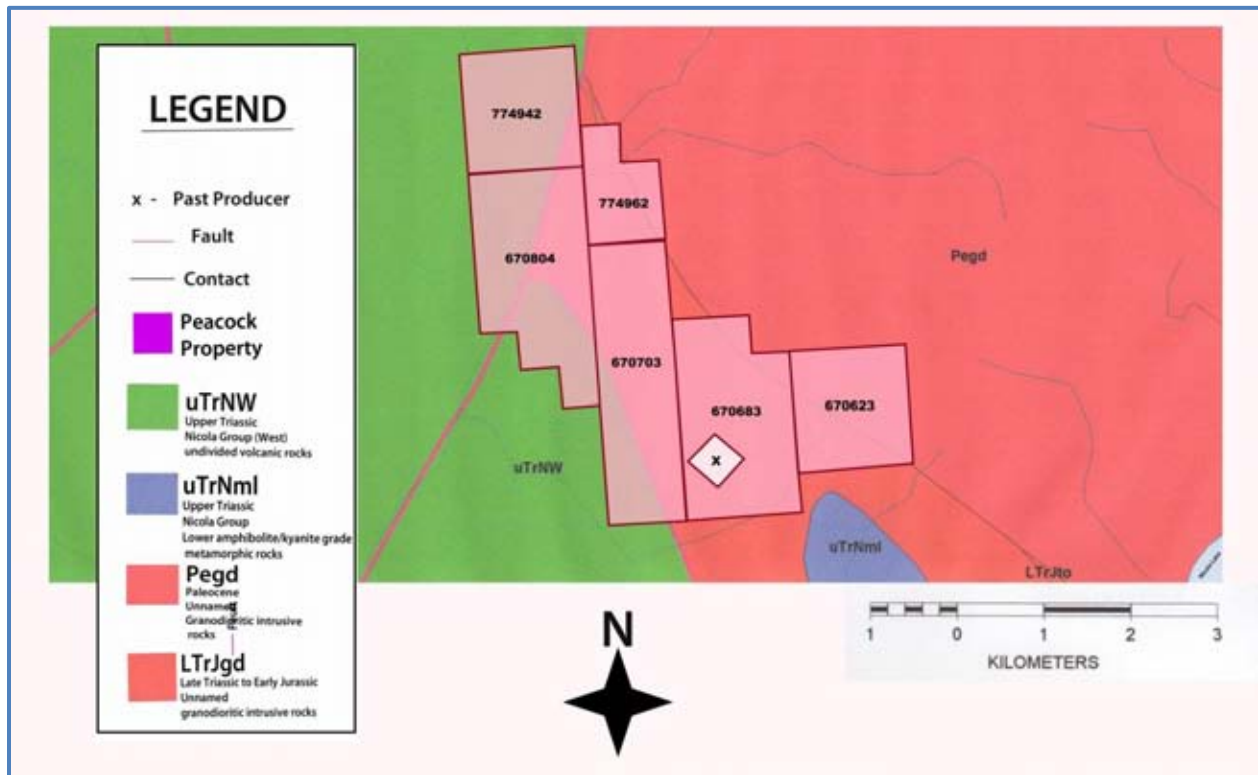
Between Merritt and Princeton the Central Nicola Belt can further be divided into three relatively parallel belts, the eastern belt (uTrNE), the central belt (uTrNC) and the western belt (uTrNW), with each belt being separated by major faults and containing dissimilar lithological assemblages (Preto, 1991). By using Nicola Lake as a reference point the boundaries of these three belts can be geographically located very loosely as follows: 1. The eastern belt is to the east of Nicola Lake. 2. The central belt is in the centre with Nicola Lake. 3. The western belt is to the west of Nicola Lake. A brief description as described by Preto and Northcote of the three Nicola belts follows:

1. *Eastern Belt (uTrNE)*: North of Missezula Lake this belt contains few intrusive rocks. This Northern section consists predominantly of volcanoclastic rocks ranging from volcanic siltstone and sandstone to volcanic conglomerate and breccia. This volcanoclastic assemblage also tends to have a westerly dip. Sedimentary rocks occurring in this belt are observed as grading southward into a sequence of crystal and lapilli tuff, lahar deposits and clasts of syenite and monzonite and few analcite-bearing flows of trachybasalt and trachyandesite.
2. *Central Belt (uTrNC)*: Rocks in this belt tend to be alcalic and calcalkalic in composition, and includes plagioclase-rich andesitic and basaltic flows containing abundant massive pyroxene. The belt also includes deposits of volcanic breccia, conglomerate and lahar. Also found in this belt are pyroclastic flows along with sedimentary units, though these are not widespread. Intrusive rocks in this belt consist of gabbro, diorite, syenite and monzonite compositions.
3. *Western Belt (uTrNW)*: Predominantly calc-alkaline, the units in this belt dip easterly. Only minor occurrences of basalt are found in this belt with the dominating units being dacite and rhyolite. The lower succession consists of both flow and pyroclastic units of plagioclase andesite and dacite that are grey-green and grey in color along with red colored volcanic breccia and lapilli tuff. The upper part of this succession consists of greenish fine-grained flows, greenish-grey fine-grained volcanoclastic rocks typically calcareous, and fossiliferous limestone.

The regional geological setting from north of Nicola Lake to approximately Kamloops Lake also hosts four major batholiths in addition to the Nicola Group. Located directly north of Nicola Lake is the Nicola Batholith (Central Nicola Horst). North of the Nicola Batholith is the Iron Mask Batholith; to the west is the Guichon Creek Batholith; and to the east is the Wild Horse Batholith (Payne, 2006).



## Property Geology:



The Peacock property is located in the southern end of the Nicola Batholith (Nicola Horst), just north of Nicola Lake. Medium to coarse grained granitic rocks make up the majority of the rock units within the Nicola Horst. The major unit in the central part of the Horst is granodiorite; ranging from biotite granite to hornblende biotite tonalite. (Moore, 1988). Also strongly metamorphosed Nicola group rocks, sedimentary rocks, tonalite and tonalite porphyry are abundant. These rocks tend to be metamorphosed to low amphibolite facies and are intruded by early Jurassic to Paleocene granitoid rocks (Moore, 1989).

Steep Brittle Tertiary faults separate the Nicola Batholith (Nicola Horst) from the surrounding Nicola Group rocks. These faults are as follows: to the west of the Nicola Batholith is the Coldwater Clapperton Creek fault zone, to the east is the Quilchena Creek-Stump Lake fault zone and to the south is an unnamed fault zone (Moore, 1988). The Peacock property is situated on two of these faults. The north-western tenures 774942 and 670804 are bisected by a normal fault of the Coldwater Clapperton Creek fault zone and the south-southwestern tenures 670804 and 670703 are mapped as bisected by the unnamed normal fault. These fault zones are characterized by closely spaced fracturing, slickensides and local hydrothermal alteration. Ductile strain appears not to be associated with these faults (Moore, 1988).

It has been noted by Moore (1988) that quartz veins that are broadly associated with deformation tend to be mineralized in the form of bornite, chalcopyrite and molybdenite. These veins are also cut by quartz –feldspar porphyry units that may be related to the Paleocene granodiorite unit in the Horst (Moore, 1988).

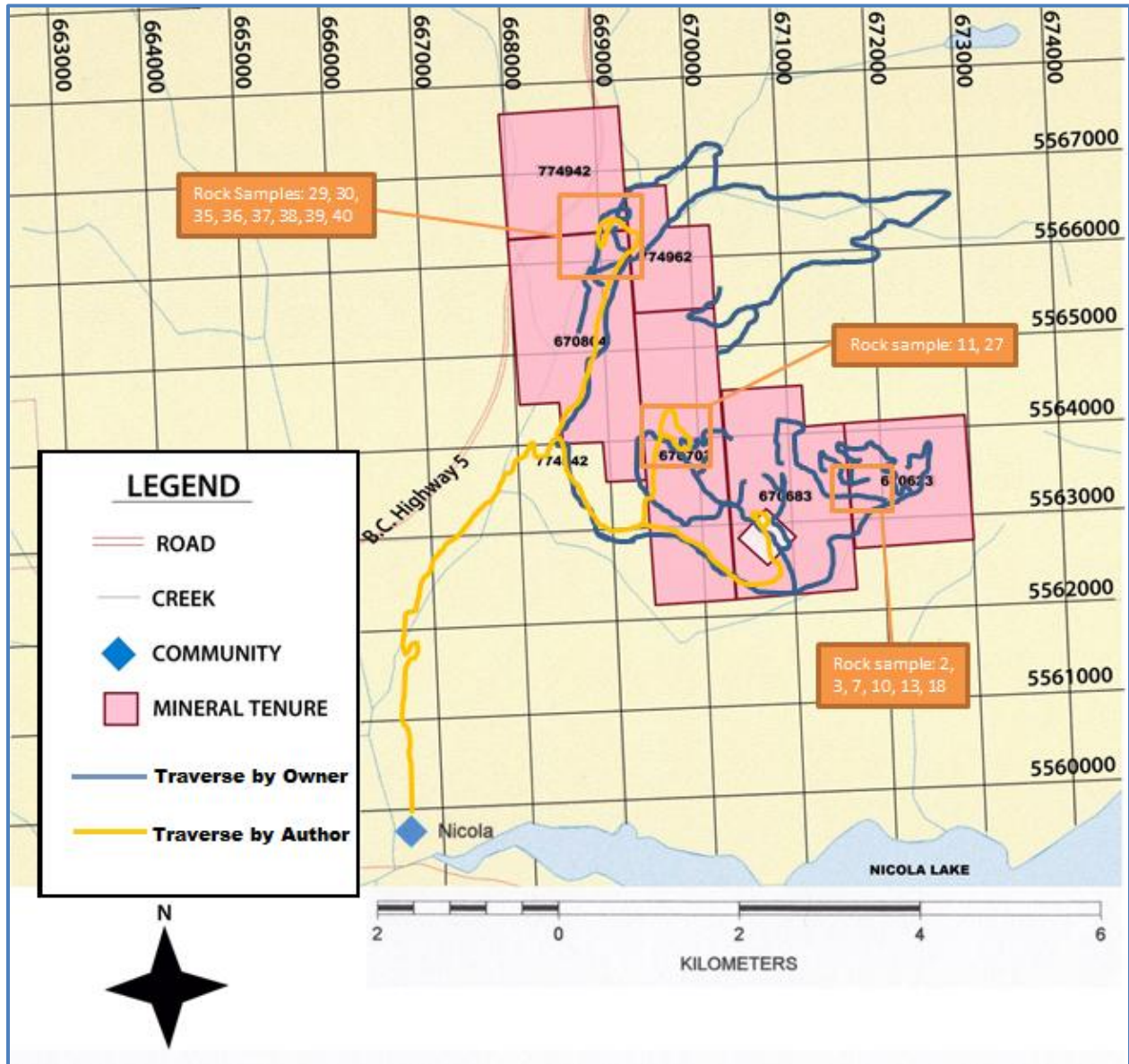
During the author's visit to the property on October 23, 2012, it was noted by rudimentary field observation that the geological settings observed at the 2012 sample sites generally correlated with the bedrock descriptions provided by prior workers and the literature. For example, mineralized quartz veins on the property tend to be hosted in granodiorite units, as described previously. At the Clapperton Creek project area ("Peacock showing"), observed mineralization in these veins consisted of bornite, chalcopyrite, malachite and native copper.

## 2012 Work Program:

The 2012 work program consisted of seven man-days of work. The objective of the program was to locate mineralized quartz veins that may have been overlooked in previous programs.

A total of 40 rock grab samples and 11 soil samples were collected and assayed.

## Methodology:



The operator, an experienced mineral exploration worker and prospector, conducted a foot traverse looking for evidence of mineralized bed rock. The above map illustrates the traverse conducted by the owner for the 2012 work program, along with the foot and vehicle traverse conducted by the author and owner on October 23, 2012.

Bedrock in outcrop and workings, and selected float specimens, which appearing visually prospective were tested by grab sampling.

Approximately fist-sized samples were collected by rock hammer; by nature, it is highly unlikely that such samples would be representative of the enrichment of the entire outcrop. Sample locations were recorded by *Garmin* GPS and provided to the author. No detailed rock descriptions were provided, and the entire rock was submitted for assay.

Rock samples were placed in a poly bag, and submitted to Acme Analytical Laboratories (Vancouver) Ltd. ("Acme Analytical") for geochemical assay. At Acme Analytical, a rock sample was crushed, split and pulverized to 200 mesh, and a test sample of 0.5g was submitted for 1:1:1 Aqua Regia digestion ICP:ES analysis.

A total of 14 soil samples were collected at 25 m intervals north of the base line 0+0N (UTM zone 10, NAD83: 0669375 5566300). Samples were collected from the B-horizon immediately below the organic horizon using a hand auger and were placed into standard Kraft paper bags where they were marked, labeled and submitted for geochemical assay at ACME Analytical. The purpose of the soil transect was to find soil enrichment that may be indicative of buried mineralization.

Samples were taken at 25 m spacings along a north-south transect.

The soil sampling methodology (utilizing the hand auger) should be reconsidered in future programs as it yielded a relatively small soil sample that may not be ideal in a setting prospective for precious metals enrichment. Furthermore, it did not facilitate the sort of soil condition observations that could assist in resolving confounding influences when assessing soil geochemical results.

## Results:

The 2012 work program was successful in confirming the presence of quartz-hosted mineralization, with numerous anomalous copper values in excess of 10 000ppm, in three distinct areas of the property (see Location Maps).

40 % of the rock samples collected returned anomalous copper values that were greater than 10 000ppm, the maximum detection limit of the geochemical assay suite utilized.

It should be noted, however, that these samples were generally obtained in areas having seen considerable historical exploration (namely the so-called East and West zones, as described by Payne (2006), and the Peacock occurrence, described in A.R. 3634 (Rowe and Cowan, p. 7)).

During his visit on October 23, 2012 to the location where rock samples 29, 30, 36, 37, 38, 39 and 40 were gathered (i.e. the "Peacock" area), the author observed a highly mineralized quartz vein in the bed of Clapperton Creek. Mineralization in this quartz vein consisted of bornite, chalcopyrite, malachite and native copper. This is believed to be the same occurrence described by Rowe and Cowan in ARIS report No. 3634, and inventoried under MINFILE record #092ISE132.

Also encouraging were the values of polymetallic mineralization obtained in selected rock samples.

For instance, at the Peacock showing, the three richest samples (#29,30 and 34) had copper values of >1%, >1% and 0.69% associated with gold enrichment of 377ppb, 633ppb and 121ppb, respectively, and silver enrichment of 9.3ppm, 17.5ppm and 5.2 ppm respectively.

In and around the “East” project area (using Payne’s terminology), certain high copper values were locally associated with enriched molybdenum (samples #13 and #14 had overlimit molybdenum of >2000ppm), and gold (samples #4,7 and 10 had gold enrichment of 557, 355 and 377ppb, respectively) and silver (samples #3,4, and 7 had silver enrichment of 20.3ppm, 27.2ppm and 20.1ppm, respectively).

In and around the “West” project area (again, using Payne’s terminology), certainly samples (number 35-40) uniformly grading >1% copper, all had gold enrichment (between 711 and 1076ppb) and silver enrichment (between 34.8 and 64.9ppm)

The Appendix maps include a list of rock sample locations, and the sampler’s rudimentary field notes are provided below, grouped by map. Rock grab samples were taken variously from bedrock exposed in outcrop and in workings.

Sample	Type	Easting	Northing	Samplers' Comments
11	Rock	669964	5563845	Quartz
19	Rock	669833	5563728	Quartz
20	Rock	669827	5563745	Granite/Gniess
21	Rock	669896	5563802	Quartz
23	Rock	669905	5563818	Quartz
27	Rock	669910	5563752	Quartz

Sample	Type	Easting	Northing	Samplers' Comments
29	Rock	669307	5566711	Quartz Bedrock
30	Rock	669306	5566713	Contact gneiss
31	Rock	669250	5566736	Quartz
32	Rock	669250	5566741	Quartz in creek 20ft x 6 ft
33	Rock	669248	5566750	Boulder in Place
34	Rock	669280	5566730	Quartz
35	Rock	669137	5566390	Boulder in creek; possible bedrock
36	Rock	669160	5566457	Float? Quartz in creek
37	Rock	669134	5566425	Float? Quartz in creek
38	Rock	669163	5566464	
39	Chip	669163	5566464	
40	Chip	669163	5566464	

Sample	Type	Easting	Northing	Samplers' Comments
1	Rock	671507	5563308	Quartz
2	Rock	671623	5563330	Quartz
3	Rock	671572	5563260	Quartz
4	Rock	671649	5563560	Quartz
5	Rock	671516	5563299	Granite contact
6	Rock	671516	5563299	Quartz
7	Rock	671647	5563355	Quartz
8	Rock	671466	5563378	Quartz
9	Rock	671950	5563123	Quartz
10	Rock	671671	5563460	Quartz
12	Rock	671715	5563205	Contact
13	Rock	672151	5563261	Quartz
14	Rock	672146	5563258	Mo? Granite Gneiss
15	Rock	671636	5563620	Quartz
16	Rock	672030	5563584	Quartz
17	Rock	671832	5563168	Quartz
18	Rock	671770	5563190	Quartz
22	Rock	672129	5563779	Quartz/Gneiss
24	Rock	671500	5563300	Quartz
25	Rock	671740	5563200	Quartz
26	Rock	671910	5563125	Quartz
28	Rock	671684	5563210	Quartz/Road

## Geochemistry:

All samples collected in the field were sent to Acme Analytical Laboratories (Vancouver) Ltd. (Acme Labs) at 1020 Cordova St. East, Vancouver, B.C. Samples were assayed for 34 elements using the ICP-ES methods.

The rock sample assay results for the 16 samples showing anomalous copper values are listed in the table below. They are for select elements, Cu, Ag, Au and Mo. The Entire table including all 34 element assay results can be found in Appendix 1.

Rock Sample#	Easting	Northing	Cu ppm	Ag Ppm	Au Ppb	Mo ppm
2	671623	5563330	> 10 000	6.4	42	5
3	671572	5563260	> 10 000	20.3	223	1
7	671647	5563355	> 10 000	20.1	355	<1
10	671671	5563460	> 10 000	3.1	377	<1
11	669964	5563845	> 10 000	5.5	10	8
13	672151	5563261	> 10 000	3.9	92	>2000
18	671770	5563190	> 10 000	10.7	129	4
27	669910	5563752	> 10 000	3.6	11	4
29	669307	5566711	> 10 000	9.3	377	<1
30	669306	5566713	> 10 000	17.5	633	<1
35	669137	5566390	> 10 000	34.8	892	<1
36	669160	5566457	> 10 000	37.8	711	<1
37	669134	5566425	> 10 000	47.3	869	<1
38	669163	5566464	> 10 000	44	989	<1
39	669163	5566464	> 10 000	64.9	1076	<1
40	669163	5566464	> 10 000	49.9	942	<1

A full table of the results of rock sample results collected can be found in Appendix 1.

### Soil results:

The single soil transect did not generate an exploration target, as copper values were not above background (max = 35ppm Cu, average = 25ppm Cu).

Gold values were more intriguing, however. While 8 of the 14 samples were too small to permit a gold assay (denoted "I.S." on the sample sheet), the remaining 6 samples had a relatively high gold response (average = 16.5ppb, min=8ppb, max=26ppb). Larger soil samples should be drawn in future programs to mitigate the statistical issues that prevail against inferring conclusions about gold content from small samples. Nevertheless, this is an interesting result.

No molybdenum-in-soil anomalies were detected. The relatively high detection limit for silver (0.3ppm) was not exceeded, and thus no conclusions about silver enrichment can be made.

## **Conclusion and Recommendation:**

In an effort to locate highly mineralized quartz veins, the project was successful. Three anomalous locations on the property were found: one in the northwest, one in the central section, and one in the east section of the property.

40% of the rock samples collected measured copper levels in excess of 10,000 ppm. These results are some of the best recorded on the property to date. However, in the case of the central section (the former “West” showing) and the East section, these samples were taken from well-explored areas, and future attention should be focused on the northwest occurrence (the “Peacock” showing).

The soil transect did not produce a copper-in-soil anomaly, but the gold responses are intriguing, and may justify additional soil sampling in overburden covered areas across strike of mineralization at the Peacock showing area.

Historic work programs, including the 2006 drill program (ARIS report 28721), overlap the 2012 showings on the property. Any future exploration program should therefore include a detailed review and compilation of all previous work programs on the property in order to fully assess the results gathered to date, and to ensure that future work is not duplicating previous work done.

It is recommended that further exploration be conducted on the property, focused on the northwest “Peacock” occurrence, near the common boundaries of tenures 774942, 774962 and 6708040. A future program should include detailed mapping of that project area in order to determine the extent of the highly mineralized quartz veins, along with a geochemical survey of the area to delineate any other potential targets on the property. Trenching or induced polarization may also prove cost-effective measures of tracing the extent of mineralized veins, if acceptable continuity and grades at known exposures is located.

Future operators should consider appropriate Native consultations with interested First Nations’ communities, particularly in light of the proximity of the Peacock showing to an Indian Reserve, to mitigate stakeholder conflict in a good faith manner.



## Statement of Costs:

Exploration Work	Comment	Days			Totals
<b>Personnel (Name)* / Position</b>	<b>Field Days (list actual days)</b>	<b>Days</b>	<b>Rate</b>	<b>Subtotal*</b>	
Christopher Delorme, Owner	July 10 - 16; October 23, 2012	7	\$250.00	\$1,750.00	
Guy Delorme, Prospector	July 10 - 16, 2012	7	\$250.00	\$1,750.00	
Peter Palikot, Prospector	July 10 - 16, 2012	7	\$250.00	\$1,750.00	
				\$5,250.00	<b>\$5,250.00</b>
<b>Office Studies</b>	<b>List Personnel (note - Office only, do not include field days)</b>				
Report preparation	Lukasz Jarawka	4.0	\$250.00	\$1,000.00	
				\$1,000.00	<b>\$1,000.00</b>
<b>Transportation</b>		<b>No.</b>	<b>Rate</b>	<b>Subtotal</b>	
Truck rental, including fuel and mileage		7	\$50.00	\$350.00	
				\$350.00	<b>\$350.00</b>
<b>Accommodation &amp; Food</b>	<b>Rates per day</b>				
Hotel	Per diem, \$50 per man-day	18	40.00	\$720.00	
Meals	Per diem, \$25 per man-day	21	\$25.00	\$525.00	
				\$1,245.00	<b>\$1,245.00</b>
<b>Equipment Rental</b>					
GPS	Per diem, \$5 per man day	5	7	\$35.00	
Sampling equipment, chainsaws	Per diem, \$10 per man day	5	7	\$35.00	
				\$70.00	<b>\$70.00</b>
<b>Freight, rock samples</b>					
	<b>Rock samples</b>	40	\$16.60	\$664.00	
	Soil samples	14	\$16.60	\$232.40	
				\$896.40	<b>\$896.40</b>
<hr/>					
<b>TOTAL Expenditures</b>					<b>\$8,811.40</b>

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## Statement of Qualifications:

I, Lukasz Jarawka of West Kelowna, British Columbia, here by certify that:

1. I have received a Bachelor's Degree in Geology from Saint Mary's University in Halifax, Nova Scotia in 2010.
2. I have been actively involved in geology since 2010.



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Lukasz Jarawka B.Sc. Geology

## Appendix I – Laboratory Analysis:

**CERTIFICATE OF ANALYSIS**

**VAN12004513.1**

**CLIENT JOB INFORMATION**

Project: PEACOCK  
Shipment ID:  
P.O. Number  
Number of Samples: 40

**SAMPLE DISPOSAL**

PICKUP-PLP Client to Pickup Pulps  
PICKUP-RJT Client to Pickup Rejects

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

Invoice To: Blue Rivers Resources Ltd.  
501 - 525 Seymour Street  
Vancouver BC V6B 3H7  
CANADA

CC:

**SAMPLE PREPARATION AND ANALYTICAL PROCEDURES**

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	40	Crush, split and pulverize 250 g rock to 200 mesh			VAN
3B01	40	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1D01	40	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN

**ADDITIONAL COMMENTS**



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



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 1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1718

www.acmelab.com

Client: Blue Rivers Resources Ltd.  
 501 - 525 Seymour Street  
 Vancouver BC V6B 3H7 CANADA

Project: PEACOCK  
 Report Date: October 12, 2012

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Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN12004513.1

Method	WGHT	3B	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01	
G1	Prep Blank	<0.01	2	<1	<1	4	37	<0.3	3	4	598	1.94	4	<2	4	58	<0.5	<3	<3	39	0.46
G1	Prep Blank	<0.01	<2	<1	1	3	48	<0.3	3	4	592	1.98	<2	<2	4	62	<0.5	<3	<3	39	0.52
1	Rock	0.46	27	<1	3873	7	8	3.6	3	2	97	0.78	2	<2	6	21	<0.5	<3	4	13	0.09
2	Rock	0.40	42	5	>10000	<3	50	6.4	6	4	113	1.68	<2	<2	<2	17	1.2	<3	8	24	0.11
3	Rock	0.59	223	1	>10000	7	27	20.3	7	4	177	1.55	<2	<2	<2	48	<0.5	<3	19	33	0.14
4	Rock	0.73	557	1	7226	5	10	27.2	2	2	67	1.03	<2	<2	<2	5	<0.5	<3	8	7	0.04
5	Rock	1.11	11	<1	692	<3	50	0.5	29	12	392	2.17	<2	<2	<2	42	<0.5	<3	<3	70	0.66
6	Rock	0.88	27	1	2167	<3	25	1.2	16	7	198	1.57	2	<2	<2	96	<0.5	<3	<3	34	0.56
7	Rock	0.56	355	<1	>10000	4	11	20.1	3	2	250	1.07	<2	<2	<2	51	<0.5	<3	15	20	0.39
8	Rock	0.50	38	<1	3407	<3	27	2.6	8	6	248	1.51	<2	<2	<2	39	<0.5	<3	5	38	0.22
9	Rock	0.29	10	2	4658	<3	13	5.1	2	3	92	0.77	<2	<2	13	7	<0.5	<3	5	9	0.03
10	Rock	0.27	377	<1	>10000	<3	7	3.1	2	1	96	0.61	<2	<2	<2	62	<0.5	<3	7	13	0.08
11	Rock	1.06	10	8	>10000	<3	9	5.5	3	2	116	1.88	<2	<2	<2	7	<0.5	<3	8	15	0.07
12	Rock	0.55	31	<1	2329	<3	99	2.0	33	19	733	4.19	<2	<2	<2	49	<0.5	<3	5	125	0.49
13	Rock	0.50	92	>2000	>10000	<3	45	3.9	7	6	264	3.02	<2	<2	<2	164	0.5	<3	<3	43	0.67
14	Rock	0.99	46	>2000	5190	<3	46	1.2	12	10	351	2.78	5	<2	<2	48	0.5	<3	<3	101	0.58
15	Rock	0.52	127	10	4014	<3	3	4.3	2	1	81	0.57	<2	<2	<2	172	<0.5	<3	5	13	0.13
16	Rock	0.51	<2	8	27	<3	9	<0.3	2	1	176	0.64	<2	<2	<2	2	<0.5	<3	<3	3	0.04
17	Rock	0.96	13	2	1019	7	<1	1.6	<1	<1	63	0.51	<2	<2	22	2	<0.5	<3	<3	3	0.01
18	Rock	0.47	129	4	>10000	<3	4	10.7	3	1	83	1.29	<2	<2	<2	61	0.6	<3	11	15	0.12
19	Rock	0.99	3	2	2628	<3	46	0.8	16	10	370	2.00	<2	<2	<2	42	<0.5	<3	<3	41	0.41
20	Rock	0.82	11	<1	823	<3	67	<0.3	21	14	498	2.53	<2	<2	<2	77	<0.5	<3	<3	68	0.63
21	Rock	1.83	17	<1	4003	<3	66	1.6	19	13	593	2.99	<2	<2	<2	34	<0.5	<3	<3	51	1.39
22	Rock	0.60	80	12	6727	<3	40	7.2	12	7	390	1.47	<2	<2	<2	247	<0.5	<3	5	52	0.54
23	Rock	0.42	3	1	4885	<3	21	1.9	7	4	476	1.42	<2	<2	<2	24	<0.5	<3	<3	20	1.11
24	Rock	0.70	134	<1	3398	<3	35	6.2	10	6	301	1.52	<2	<2	12	17	<0.5	<3	3	51	0.14
25	Rock	0.78	34	1	904	5	<1	1.6	1	<1	32	0.46	<2	<2	<2	<1	<0.5	<3	88	2	<0.01
26	Rock	0.51	39	10	4917	<3	2	3.1	1	<1	62	0.81	<2	<2	<2	2	<0.5	<3	<3	4	0.02
27	Rock	0.99	11	4	>10000	<3	12	3.6	4	3	422	1.28	<2	<2	<2	53	1.1	<3	<3	24	2.76
28	Rock	0.81	106	<1	3721	<3	41	6.4	11	9	371	1.80	<2	<2	<2	53	<0.5	<3	6	46	0.44

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval, preliminary reports are unsigned and should be used for reference only.



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Project: PEACOCK  
 Report Date: October 12, 2012

Page: 2 of 3

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN12004513.1

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc		
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm		
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05			
G1	Prep Blank	0.081	12	8	0.60	212	0.131	<20	1.01	0.08	0.51	<2	<5	<1	6	<0.05			
G1	Prep Blank	0.078	12	9	0.54	188	0.128	<20	0.99	0.10	0.49	<2	<5	<1	<5	<0.05			
1	Rock	0.005	2	8	0.10	61	0.024	<20	0.33	0.07	0.13	<2	<5	<1	<5	0.09			
2	Rock	0.021	<1	15	0.16	21	0.017	<20	0.29	0.02	0.12	<2	<5	<1	<5	<0.05			
3	Rock	0.022	<1	15	0.39	61	0.053	<20	0.59	0.02	0.36	<2	<5	<1	<5	0.43			
4	Rock	0.006	<1	16	0.07	16	0.010	<20	0.20	0.03	0.09	<2	<5	<1	<5	0.18			
5	Rock	0.100	2	31	1.38	166	0.174	<20	1.60	0.09	0.97	<2	<5	<1	<5	<0.05			
6	Rock	0.049	1	19	0.63	28	0.073	<20	0.92	0.03	0.16	<2	<5	<1	<5	0.07			
7	Rock	0.008	<1	12	0.12	61	0.022	<20	0.30	0.02	0.17	<2	<5	<1	<5	0.45			
8	Rock	0.023	1	17	0.50	85	0.066	<20	0.81	0.03	0.43	<2	<5	<1	<5	<0.05			
9	Rock	0.010	2	7	0.10	20	0.003	<20	0.27	0.08	0.10	<2	<5	<1	<5	<0.05			
10	Rock	0.012	<1	14	0.09	33	0.014	<20	0.30	0.02	0.16	<2	<5	<1	<5	<0.05			
11	Rock	0.016	<1	15	0.21	19	0.011	<20	0.32	0.01	0.06	<2	<5	<1	<5	0.28			
12	Rock	0.088	5	33	2.06	361	0.264	<20	2.55	0.07	1.65	2	<5	<1	6	<0.05			
13	Rock	0.051	3	8	0.42	74	0.090	<20	1.02	0.04	0.22	2	<5	<1	<5	0.94			
14	Rock	0.063	3	14	1.01	112	0.172	<20	2.08	0.11	0.98	<2	8	<1	8	0.76			
15	Rock	0.005	<1	13	0.09	42	0.011	<20	0.38	0.02	0.12	<2	<5	<1	<5	<0.05			
16	Rock	0.011	1	12	0.05	38	0.003	<20	0.19	<0.01	0.15	<2	<5	<1	<5	<0.05			
17	Rock	0.003	5	7	<0.01	8	0.002	<20	0.14	0.07	0.07	<2	<5	<1	<5	<0.05			
18	Rock	0.012	<1	11	0.11	67	0.018	<20	0.31	0.03	0.14	<2	<5	<1	<5	0.21			
19	Rock	0.052	2	16	1.12	32	0.087	<20	1.22	0.04	0.04	<2	<5	<1	5	<0.05			
20	Rock	0.066	3	21	1.56	31	0.121	<20	1.77	0.05	0.07	<2	<5	<1	7	<0.05			
21	Rock	0.072	2	14	1.39	45	0.064	<20	1.71	0.02	0.17	<2	<5	<1	6	<0.05			
22	Rock	0.046	3	14	0.70	92	0.106	<20	1.24	0.08	0.52	3	<5	<1	<5	<0.05			
23	Rock	0.028	1	12	0.43	37	0.033	<20	0.61	0.02	0.10	<2	<5	<1	<5	0.05			
24	Rock	0.030	3	15	0.59	103	0.087	<20	0.87	0.07	0.65	<2	<5	<1	6	<0.05			
25	Rock	0.002	<1	17	<0.01	2	<0.001	<20	0.02	<0.01	<0.01	<2	<5	<1	<5	<0.05			
26	Rock	0.005	<1	11	0.05	9	0.002	<20	0.08	0.01	0.02	<2	<5	<1	<5	0.13			
27	Rock	0.027	1	7	0.33	28	0.029	<20	0.55	0.02	0.11	3	<5	<1	<5	<0.05			
28	Rock	0.046	3	12	0.71	147	0.099	<20	1.11	0.08	0.64	<2	<5	<1	5	0.05			

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Project: PEACOCK  
 Report Date: October 12, 2012

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**CERTIFICATE OF ANALYSIS**

**VAN12004513.1**

Method	WGHT	3B	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01	
29	Rock	1.67	377	<1	>10000	5	4	9.3	2	2	97	0.70	<2	<2	<2	25	<0.5	<3	9	5	0.16
30	Rock	0.72	633	<1	>10000	<3	26	17.5	7	6	274	1.75	10	<2	<2	170	0.6	<3	13	33	0.32
31	Rock	0.53	<2	<1	43	<3	<1	<0.3	<1	<1	75	0.51	<2	<2	6	6	<0.5	<3	<3	3	0.10
32	Rock	1.03	<2	<1	58	<3	96	<0.3	15	13	699	2.87	<2	<2	<2	67	<0.5	<3	<3	75	1.20
33	Rock	1.01	12	<1	417	<3	58	0.6	15	13	518	2.69	<2	<2	<2	108	<0.5	<3	<3	80	1.07
34	Rock	0.96	121	<1	6905	3	11	5.2	5	4	223	1.02	363	<2	<2	53	<0.5	<3	5	21	0.57
35	Rock	1.01	892	<1	>10000	14	<1	34.8	1	2	37	0.80	21	<2	<2	19	1.1	<3	14	<1	0.09
36	Rock	0.58	711	<1	>10000	4	<1	37.8	<1	1	27	0.83	9	<2	<2	<1	0.8	<3	16	<1	<0.01
37	Rock	1.01	869	<1	>10000	8	<1	47.3	<1	<1	25	0.93	4	<2	<2	<1	<0.5	<3	15	<1	0.01
38	Rock	1.04	989	<1	>10000	6	<1	44.0	1	1	29	1.17	6	<2	<2	2	0.6	<3	14	<1	0.06
39	Rock	1.94	1076	<1	>10000	6	10	64.9	2	3	55	1.40	329	<2	<2	23	1.4	<3	25	<1	0.33
40	Rock	1.58	942	<1	>10000	7	4	49.9	1	2	56	1.26	481	<2	<2	8	1.3	<3	18	<1	0.11

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**CERTIFICATE OF ANALYSIS**

**VAN12004513.1**

Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Se	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5	
29	Rock	0.003	2	12	0.06	11	0.001	<20	0.10	0.02	0.02	<2	<5	<1	<5	0.30	<5
30	Rock	0.025	3	10	0.33	77	0.041	<20	0.56	0.05	0.26	3	<5	<1	<5	0.44	<5
31	Rock	<0.001	2	7	0.03	7	0.002	<20	0.16	0.06	0.11	<2	<5	<1	<5	<0.05	<5
32	Rock	0.082	7	10	1.29	142	0.034	<20	1.68	0.04	0.34	<2	<5	<1	9	<0.05	6
33	Rock	0.084	3	10	1.34	182	0.127	<20	1.68	0.06	0.69	<2	<5	<1	9	<0.05	<5
34	Rock	0.018	3	13	0.32	32	0.012	<20	0.42	0.02	0.12	<2	<5	<1	<5	0.15	<5
35	Rock	<0.001	<1	14	<0.01	3	<0.001	<20	0.02	<0.01	0.01	<2	<5	<1	<5	0.75	<5
36	Rock	<0.001	<1	11	<0.01	5	<0.001	<20	0.01	<0.01	<0.01	<2	<5	<1	<5	0.85	<5
37	Rock	<0.001	<1	12	<0.01	4	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	<1	<5	0.75	<5
38	Rock	<0.001	<1	12	0.02	11	<0.001	<20	0.02	<0.01	0.02	<2	<5	<1	<5	0.99	<5
39	Rock	<0.001	<1	19	0.10	11	<0.001	<20	0.03	<0.01	0.01	<2	<5	<1	<5	1.12	<5
40	Rock	<0.001	<1	17	0.04	24	<0.001	<20	0.05	0.01	0.03	<2	<5	<1	<5	1.14	<5

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Project: PEACOCK  
Report Date: October 12, 2012

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**QUALITY CONTROL REPORT**

**VAN12004513.1**

Method	WGHT	3B	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01	
Pulp Duplicates																					
7	Rock	0.56	355	<1	>10000	4	11	20.1	3	2	250	1.07	<2	<2	<2	51	<0.5	<3	15	20	0.39
REP 7	QC			<1	>10000	<3	11	20.1	3	2	252	1.07	<2	<2	<2	51	<0.5	<3	14	20	0.39
16	Rock	0.51	<2	8	27	<3	9	<0.3	2	1	176	0.64	<2	<2	<2	2	<0.5	<3	<3	3	0.04
REP 16	QC		<2																		
40	Rock	1.58	942	<1	>10000	7	4	49.9	1	2	56	1.26	481	<2	<2	8	1.3	<3	18	<1	0.11
REP 40	QC		920																		
Core Reject Duplicates																					
33	Rock	1.01	12	<1	417	<3	58	0.6	15	13	518	2.69	<2	<2	<2	108	<0.5	<3	<3	80	1.07
DUP 33	QC	<0.01	14	<1	434	<3	59	0.6	15	13	533	2.76	<2	<2	<2	119	<0.5	<3	<3	81	1.13
Reference Materials																					
STD D59	Standard			12	101	125	319	2.1	40	7	578	2.32	26	<2	6	69	2.1	5	6	38	0.71
STD D59	Standard			14	111	133	347	2.0	41	7	615	2.43	27	<2	5	75	2.4	6	8	42	0.76
STD D59	Standard			12	111	126	338	1.9	38	7	594	2.40	30	<2	6	72	2.3	6	7	39	0.73
STD OREAS45EA	Standard			<1	691	11	31	<0.3	379	51	417	22.38	7	<2	10	4	0.9	<3	10	301	0.03
STD OREAS45CA	Standard			<1	498	18	63	0.5	250	91	976	14.72	<2	<2	5	15	1.1	<3	6	209	0.45
STD OREAS45CA	Standard			<1	555	17	72	0.8	274	100	1057	16.95	<2	<2	7	16	0.7	4	<3	238	0.48
STD OREAS45EA	Standard			<1	735	11	20	0.6	408	56	435	24.26	11	<2	10	4	0.6	6	<3	322	0.02
STD OREAS45CA	Standard			<1	556	22	58	<0.3	276	97	1008	17.73	4	<2	7	15	<0.5	<3	<3	226	0.47
STD OREAS45EA	Standard			1	737	12	29	<0.3	416	56	422	26.01	11	<2	11	3	<0.5	<3	<3	322	0.03
STD OXD87	Standard			423																	
STD OXD87	Standard			432																	
STD OXD87	Standard			420																	
STD OXG99	Standard			977																	
STD OXG99	Standard			941																	
STD OXG99 Expected				932																	
STD OXD87 Expected				417																	
STD D59 Expected				12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	0.118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	0.043	7	15	0.1	0.13	0.19	215	0.4265

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Project: PEACOCK  
Report Date: October 12, 2012

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## QUALITY CONTROL REPORT

VAN12004513.1

Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5	
Pulp Duplicates																	
7	Rock	0.008	<1	12	0.12	61	0.022	<20	0.30	0.02	0.17	<2	<5	<1	<5	0.45	<5
REP 7	QC	0.008	<1	11	0.12	62	0.022	<20	0.30	0.02	0.17	<2	<5	<1	<5	0.46	<5
16	Rock	0.011	1	12	0.05	38	0.003	<20	0.19	<0.01	0.15	<2	<5	<1	<5	<0.05	<5
REP 16	QC																
40	Rock	<0.001	<1	17	0.04	24	<0.001	<20	0.05	0.01	0.03	<2	<5	<1	<5	1.14	<5
REP 40	QC																
Core Reject Duplicates																	
33	Rock	0.084	3	10	1.34	182	0.127	<20	1.68	0.06	0.69	<2	<5	<1	9	<0.05	<5
DUP 33	QC	0.086	3	11	1.38	190	0.132	<20	1.73	0.06	0.70	<2	<5	<1	6	<0.05	<5
Reference Materials																	
STD DS9	Standard	0.083	11	113	0.61	331	0.103	<20	0.94	0.08	0.40	3	<5	<1	6	0.16	<5
STD DS9	Standard	0.086	13	122	0.65	346	0.114	<20	1.01	0.09	0.41	<2	5	<1	<5	0.18	<5
STD DS9	Standard	0.084	12	115	0.63	340	0.110	<20	0.97	0.09	0.41	3	<5	<1	6	0.16	<5
STD OREAS45EA	Standard	0.028	6	874	0.09	156	0.090	<20	3.12	0.02	0.05	<2	10	<1	10	<0.05	84
STD OREAS45CA	Standard	0.039	16	713	0.13	165	0.135	<20	3.64	0.01	0.07	<2	5	<1	21	<0.05	46
STD OREAS45CA	Standard	0.041	17	805	0.14	183	0.153	<20	3.97	0.02	0.08	<2	6	<1	20	<0.05	51
STD OREAS45EA	Standard	0.031	6	929	0.09	159	0.099	<20	3.33	0.02	0.05	<2	8	<1	11	<0.05	88
STD OREAS45CA	Standard	0.044	17	802	0.15	177	0.137	<20	4.02	0.02	0.08	<2	<5	<1	18	<0.05	52
STD OREAS45EA	Standard	0.032	7	924	0.10	155	0.095	<20	3.41	0.03	0.05	<2	<5	<1	<5	<0.05	90
STD OXD87	Standard																
STD OXD87	Standard																
STD OXD87	Standard																
STD OXG99	Standard																
STD OXG99	Standard																
STD OXG99 Expected																	
STD OXD87 Expected																	
STD DS9 Expected		0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	5.3	0.2	4.59	0.1615	2.5
STD OREAS45CA Expected		0.0385	15.9	709	0.1368	164	0.128		3.592	0.0075	0.0717		0.07	0.03		0.021	

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Project: PEACOCK  
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## QUALITY CONTROL REPORT

VAN12004513.1

	WGHT	3B	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
	0.01	2	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01	
STD OREAS45EA Expected				709	14.3	30.6	0	357	52	400	22.65	11.4	0.05	10.7	4.05					295	0.032
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank		<1	3	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01	
BLK	Blank		<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01	
BLK	Blank	<2																			
BLK	Blank		<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01	
Prep Wash																					
G1	Prep Blank	<0.01	2	<1	<1	4	37	<0.3	3	4	598	1.94	4	<2	4	58	<0.5	<3	<3	39	0.46
G1	Prep Blank	<0.01	<2	<1	1	3	48	<0.3	3	4	592	1.98	<2	<2	4	62	<0.5	<3	<3	39	0.52

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QUALITY CONTROL REPORT

VAN12004513.1

	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	P	La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc	
	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	
	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5	
STD OREAS45EA Expected	0.029		849	0.095	139			3.32	0.027	0.053		0.072		11.7	0.044	78	
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5
BLK	Blank																
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5
Prep Wash																	
G1	Prep Blank	0.081	12	8	0.60	212	0.131	<20	1.01	0.08	0.51	<2	<5	<1	6	<0.05	<5
G1	Prep Blank	0.078	12	9	0.54	188	0.128	<20	0.99	0.10	0.49	<2	<5	<1	<5	<0.05	<5

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Client: Blue Rivers Resources Ltd.
501 - 525 Seymour Street
Vancouver BC V6B 3H7 CANADA

Submitted By: Christopher Delorme
Receiving Lab: Canada-Vancouver
Received: September 24, 2012
Report Date: October 12, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN12004515.1

CLIENT JOB INFORMATION

Project: PEACOCK
Shipment ID:
P.O. Number
Number of Samples: 14

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
PICKUP-RJT Client to Pickup Rejects

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 7 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include Dry at 60C, SS80, RJSV, 3801, and 1D01.

ADDITIONAL COMMENTS

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

Invoice To: Blue Rivers Resources Ltd.
501 - 525 Seymour Street
Vancouver BC V6B 3H7
CANADA

CC:



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## CERTIFICATE OF ANALYSIS

## VAN12004515.1

Method	Analyte	3B	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	
		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	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		2	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01	0.001
0+0	Soil	17	<1	30	6	40	<0.3	16	9	480	2.49	<2	<2	<2	41	<0.5	<3	<3	62	0.70	0.085
0+25N	Soil	26	<1	22	6	48	<0.3	16	8	354	2.32	<2	<2	<2	28	<0.5	<3	<3	61	0.49	0.107
0+50N	Soil	I.S.	<1	25	<3	42	<0.3	16	7	537	2.37	<2	<2	<2	34	<0.5	<3	<3	61	0.63	0.073
0+75N	Soil	I.S.	<1	26	5	60	<0.3	15	8	601	2.37	<2	<2	<2	33	<0.5	<3	<3	62	0.56	0.075
1+00N	Soil	I.S.	<1	22	7	63	<0.3	15	7	561	2.24	<2	<2	<2	29	<0.5	<3	<3	57	0.49	0.083
1+25N	Soil	I.S.	<1	16	6	43	<0.3	13	7	526	2.20	<2	<2	<2	27	<0.5	<3	6	57	0.45	0.046
1+50N	Soil	I.S.	<1	16	6	61	<0.3	14	7	713	2.17	<2	<2	<2	26	<0.5	<3	<3	56	0.47	0.050
1+75N	Soil	I.S.	<1	21	6	47	<0.3	14	7	625	2.20	<2	<2	<2	33	<0.5	<3	<3	58	0.60	0.057
2+25N	Soil	20	<1	35	<3	38	<0.3	15	7	366	2.33	2	<2	<2	31	<0.5	<3	<3	59	0.55	0.062
2+50N	Soil	8	<1	31	<3	31	<0.3	14	8	247	2.41	<2	<2	<2	29	<0.5	<3	<3	64	0.47	0.060
2+75N	Soil	I.S.	<1	26	<3	33	<0.3	15	8	336	2.23	<2	<2	<2	33	<0.5	3	<3	60	0.58	0.068
3+00N	Soil	10	<1	22	5	51	<0.3	15	8	425	2.49	<2	<2	<2	29	<0.5	<3	<3	59	0.50	0.045
3+25N	Soil	I.S.	<1	21	<3	29	0.3	15	8	278	2.42	<2	<2	<2	30	<0.5	<3	<3	66	0.54	0.063
0+200N	Soil	18	<1	27	<3	61	<0.3	13	7	796	2.16	2	<2	<2	34	<0.5	<3	<3	55	0.59	0.075

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Project: PEACOCK  
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**CERTIFICATE OF ANALYSIS**

**VAN12004515.1**

Method	Analyte	Unit	MDL	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D		
				La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Tl	Hg	Ga	S	Sc
				ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	
				1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	5	1	5	0.05	5
0+0	Soil			5	35	0.52	115	0.107	<20	1.39	0.02	0.27	2	<5	<1	<5	<0.05	<5
0+25N	Soil			5	34	0.50	100	0.111	<20	1.55	0.02	0.12	<2	<5	<1	<5	<0.05	<5
0+50N	Soil			5	33	0.51	153	0.117	<20	1.55	0.02	0.17	<2	<5	<1	6	<0.05	<5
0+75N	Soil			5	32	0.48	205	0.113	<20	1.59	0.02	0.14	<2	<5	1	7	<0.05	<5
1+00N	Soil			4	30	0.47	169	0.106	<20	1.60	0.02	0.11	<2	<5	<1	7	<0.05	<5
1+25N	Soil			5	31	0.44	137	0.116	<20	1.56	0.02	0.15	<2	<5	<1	6	<0.05	<5
1+50N	Soil			4	29	0.42	153	0.108	<20	1.51	0.02	0.16	<2	<5	<1	6	<0.05	<5
1+75N	Soil			5	30	0.46	160	0.109	<20	1.47	0.02	0.12	<2	<5	<1	<5	<0.05	<5
2+25N	Soil			5	31	0.49	111	0.119	<20	1.52	0.02	0.21	<2	<5	<1	<5	<0.05	<5
2+50N	Soil			6	34	0.49	110	0.121	<20	1.49	0.02	0.11	<2	<5	<1	7	<0.05	<5
2+75N	Soil			4	32	0.48	118	0.109	<20	1.36	0.02	0.13	<2	<5	<1	<5	<0.05	<5
3+00N	Soil			7	33	0.49	169	0.129	<20	1.86	0.02	0.22	<2	<5	<1	<5	<0.05	<5
3+25N	Soil			5	33	0.50	94	0.117	<20	1.39	0.02	0.09	<2	<5	<1	<5	<0.05	<5
0+200N	Soil			4	29	0.43	198	0.100	<20	1.29	0.02	0.16	<2	<5	<1	<5	<0.05	<5

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**QUALITY CONTROL REPORT**

**VAN12004515.1**

Method	Analyte	3B	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Unit		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Pulp Duplicates																					
0+25N	Soil	26	<1	22	6	48	<0.3	16	8	354	2.32	<2	<2	<2	28	<0.5	<3	<3	61	0.49	0.107
REP 0+25N	QC	I.S.																			
0+75N	Soil	I.S.	<1	26	5	60	<0.3	15	8	601	2.37	<2	<2	<2	33	<0.5	<3	<3	62	0.56	0.075
REP 0+75N	QC		<1	26	3	61	<0.3	15	8	629	2.32	4	<2	<2	33	<0.5	<3	<3	60	0.56	0.072
Reference Materials																					
STD DS9	Standard		14	101	140	345	1.6	40	7	591	2.36	30	<2	6	74	2.1	8	12	40	0.76	0.084
STD OREAS45CA	Standard		<1	527	19	57	<0.3	262	90	997	15.45	<2	<2	5	15	<0.5	8	4	212	0.44	0.039
STD OXA71	Standard	90																			
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	0.118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
STD OREAS45CA Expected			1	494	20	60	0.275	240	92	943	15.69	3.8	0.043	7	15	0.1	0.13	0.19	215	0.4265	0.0385
STD OXA71 Expected		84.9																			
BLK	Blank		<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001
BLK	Blank	<2																			

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## QUALITY CONTROL REPORT

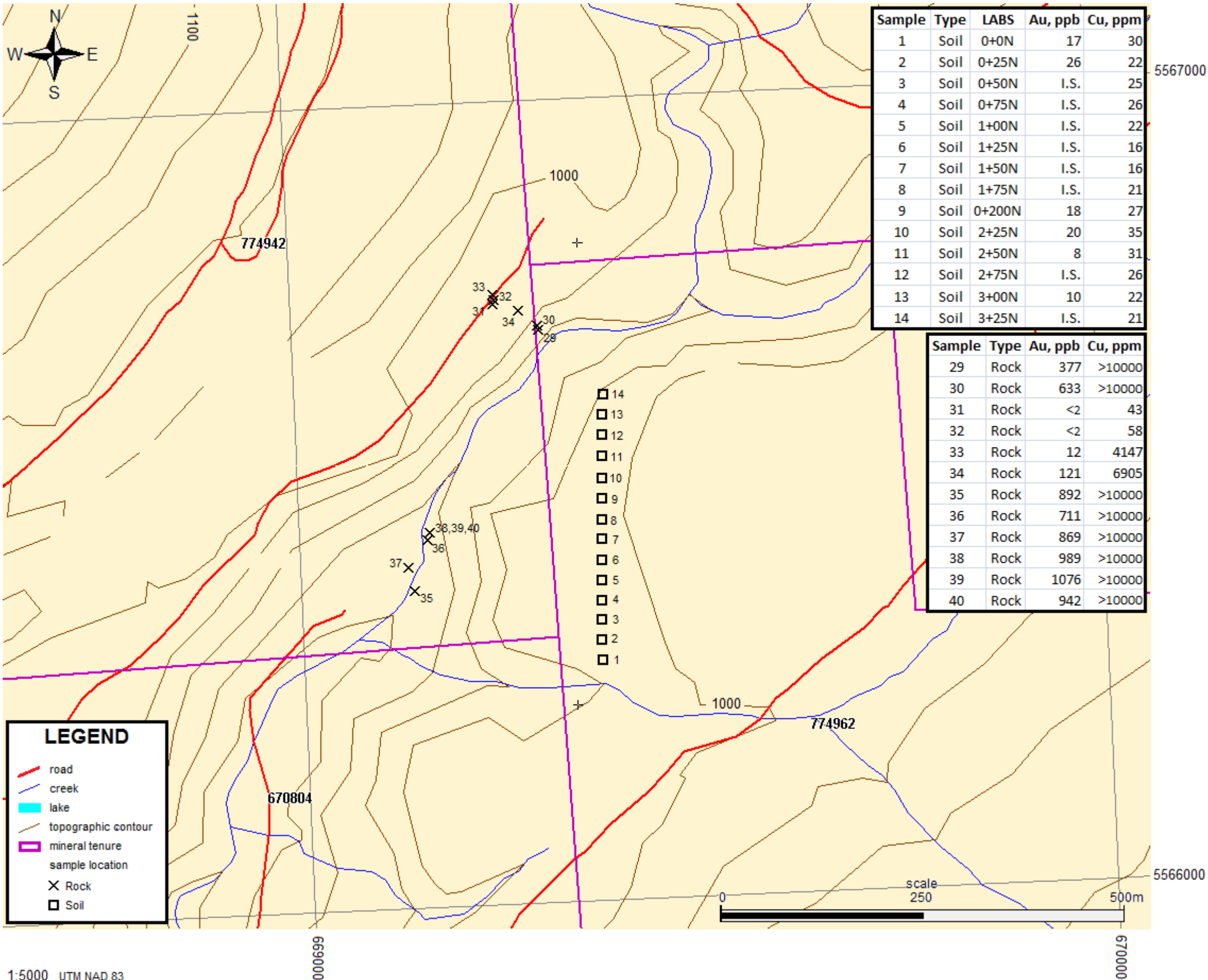
VAN12004515.1

Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	
Analyte	La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Tl	Hg	Ga	S	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	5	1	5	0.05	5	
Pulp Duplicates																
D+25N	Soil	5	34	0.50	100	0.111	<20	1.55	0.02	0.12	<2	<5	<1	<5	<0.05	<5
REP D+25N	QC															
D+75N	Soil	5	32	0.48	206	0.113	<20	1.59	0.02	0.14	<2	<5	1	7	<0.05	<5
REP D+75N	QC	5	32	0.49	211	0.112	<20	1.61	0.02	0.14	<2	<5	<1	9	<0.05	<5
Reference Materials																
STD DS9	Standard	12	116	0.64	338	0.113	<20	0.99	0.09	0.41	2	6	2	<5	0.13	<5
STD OREAS45CA	Standard	16	772	0.14	169	0.152	<20	3.78	0.01	0.07	<2	6	<1	27	<0.05	49
STD OXA71	Standard															
STD DS9 Expected		13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	5.3	0.2	4.59	0.1615	2.5
STD OREAS45CA Expected		15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.07	0.03		0.021	
STD OXA71 Expected																
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<5	<1	<5	<0.05	<5
BLK	Blank															

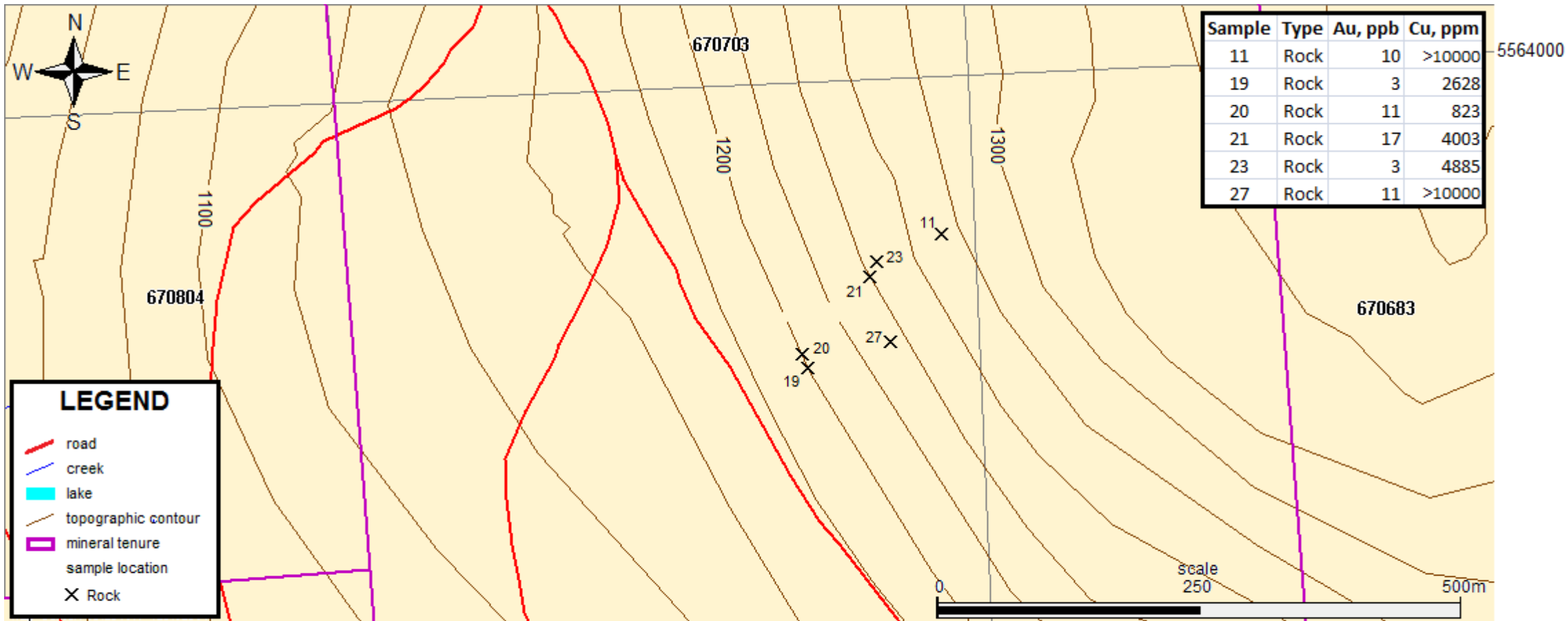
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## Appendix II – Maps:

# Rock and Soil Sample Location Map #1

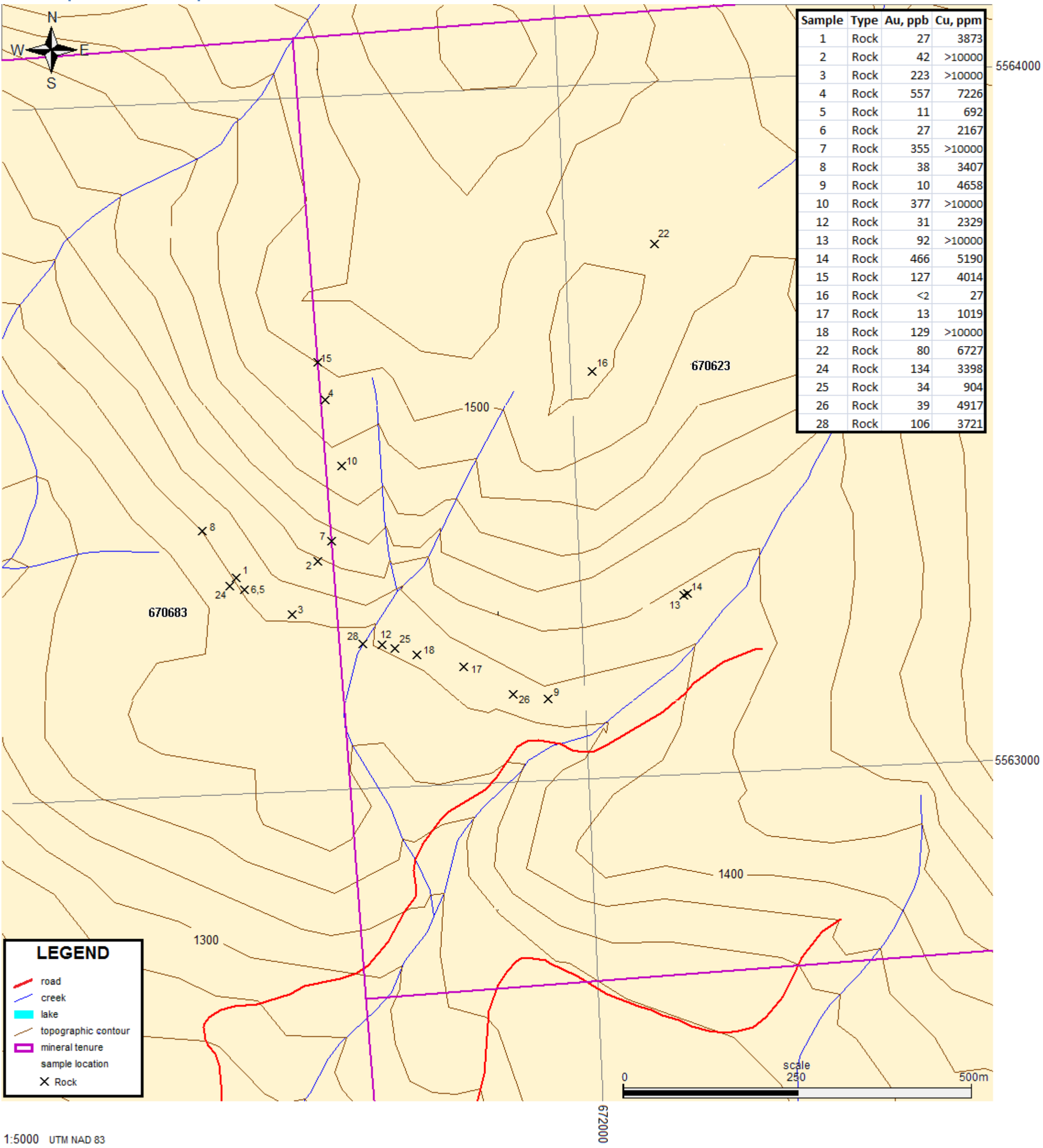


# Rock Sample Location Map #2



1:5000 UTM NAD 83

# Rock Sample Location Map #3



1:5000 UTM NAD 83