

# 43-101 TECHNICAL REPORT

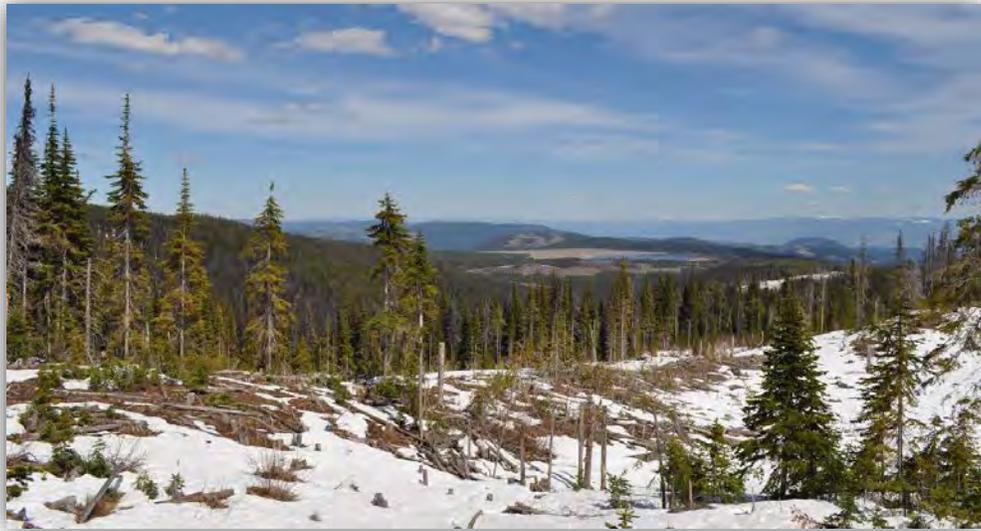
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## NEW BRENDA PROPERTY

NICOLA, OSOYOOS, and SIMILKAMEEN MINING DEVISIONS,  
BRITISH COILUMBIA, CANADA

711,500mE / 5,526,000mN

LONGITUDE -120.055° / LATITUDE 49.85°  
(NAD 83 – Zone 10) NTS: 092H / 16, 082E / 13



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*Prepared for*

Gorilla Minerals Corp.

*August 1, 2017*

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# 1 Summary

The New Brenda Property is comprised of 15 contiguous mineral claims covering an area of 10,010 Hectares west of the past producing Brenda Cu-Mo open pit located in southern British Columbia, approximately 40 kilometers west of Kelowna. The property is readily vehicle accessible via a well developed network of forest service roads connected to Highway 97c or from the community of Peachland (Figure 1). The Brenda Property mineral claims are owned wholly, or in part, by Gorilla Minerals Corp., and some claims are subject to certain purchase agreement ownership and/or royalty terms as outlined in the Appendix.

The Property lies within the Quesnellia Terrane, on the eastern edge of the Intermontane tectonic belt of south-central British Columbia within the North American Cordillera and is composed of the Quesnellia, Stikinia and Cache Creek terranes. The New Brenda Property is underlain by Upper Palaeozoic sedimentary and volcanic rocks of the Cache Creek Group that have been intruded Jurassic granitic to dioritic plutons of the Pennask and Osprey Lake batholiths. The Jurassic plutons are cross-cut by stocks and dykes of the Tertiary Otter intrusives. (MapPlace)

The Quesnellia Terrane is, in part, an interwoven layer of Paleozoic and Mesozoic arcs and back-arcs. The magmatism occurred in multiple pulses with a significant pulse in the Late Triassic–Early Jurassic (212-192 Ma) associated with multiple Cu-Mo-Au porphyry deposits including Highland Valley and Gibraltar; Copper Mountain, Afton, and Mountain Polley; and Brenda (Logan et al, 2010) located east of the New Brenda Property, adjacent to the claim boundary.

Presently, the property features several large areas with gold soil geochemical anomalies. Currently the only records available show gold only analysis over the majority of the property area. Highly anomalous gold values occur in five clusters across the 10km by 6 km property. There has not been any significant mineralization outlined on the Property to date and the property is considered to be an early stage exploration property. However, the previous exploration programs on the Property, as well as favourable geological settings, allows for inferences concerning potentially significant mineralization hosted in bedrock on the Property. Exploration concepts are based, for the most part, on geological setting and known occurrences of mineralization in the area. The primary deposit types of interest to be explored for are Porphyry Copper ± Molybdenum ± Gold deposits and Polymetallic Gold ± Silver deposits. Information and evidence available to date suggest there is currently a lack of significant exploration data to draw any conclusions of an economic nature concerning the Property at this stage.

The author concludes that there exist several target areas that merit further exploration, and recommends further exploration be conducted on the Property. Stage 1 should consist of IP, trenching, soils, prospecting and geological mapping a total of 100,000\$. If stage 1 is successful Stage 2 should be carried out, a total 200,000\$ of Diamond drilling on the best targets from phase 1. See section 18 for more details.

## 2 Introduction and Terms of Reference

### 2.1 Introduction

This report is an independent technical review of the New Brenda Property (the "Property") was commissioned by Gorilla Minerals Corp. ("Gorilla") as a summary of technical information pertaining to the New Brenda Property (the "Property"). This Independent Technical Report is compiled in the format of in compliance with National Instrument 43-101 for the Canadian Securities Administration and for satisfying in part the "Qualification of Listing" of the Canadian National Stock Exchange (CNSX).

### 2.2 Authors Qualifications and Responsibilities

Dan Meldrum, P.Geo. has prepared most of the text in this report from the data provided by Gorilla Minerals Corp. and from public sources, and is the Qualified Person responsible for this report as defined by National Instrument 43-101 ("NI 43-101").

The author has considerable exploration and mining experience with epithermal and mesothermal gold deposits and copper porphyry systems in Canada, USA, Mexico, Mongolia, Vietnam, Laos, Russia, and China.

### 2.3 Site Visit and Scope of Personal Inspection

The author visited the property June 28 – 30, 2017. He examined two main areas 1) Twilight Zone - an area around a series of old trenches and 2) an area of anomalous soil samples on the Silverback Zone. The trenches had been well reclaimed but there was evidence that trenching had been preformed.

### 2.4 Information Sources and Terms Reference

The material included in this report or referenced herein is sourced from previous 43-101 reports, assessment reports, government reports, selected publications, as well as information gathered during a property visit by the author and personal discussions with Mr. Adrian Smith. Mr. Meldrum visited the property on June 28-30, 2017. Mr. Meldrum examined the "Twilight Zone" and "silver back" parts of the Property, collected data verification samples, met with Adrian Smith, P. Geo, one of the Directors of Gorilla Resources Corp., and discussed several aspects of the exploration program with Mr. Adrian Smith.

All units used in this Report are metric. Universal Trans Mercator (UTM) co-ordinates in this report and accompanying illustrations are referenced to the North American Datum 1983 (NAD83), Zone 10, unless otherwise stated.

*Table 1: Abbreviations and Symbols Used*

Au	gold
Ag	silver
Cu	copper

Mo	molybdenum
>	greater than
<	less than
BD	below detection
AR	Assessment Report
ARIS	Assessment Report Index System
a.s.l.	above sea level
c.c.	correlation coefficient
C	centigrade
g	gram
ha	hectare
km	kilometre
t	metric ton
m	metre
Ma	million years (pertaining to ages and/or elapsed time)
NSR	Net Smelter (return) Royalty
ppb	parts per billion
ppm	parts per million
QA/QC	quality assurance/quality control
4WD	four wheel drive
FSR	Forest Service Road
CNSX	Canadian National Stock Exchange

## 2.5 Previous Technical Reports

No previous technical reports were used.

## 3 Reliance on Other Experts

The QP author of this Report states that he is a qualified person for those areas as identified in the "Certificate of Qualified Person" for the QP, as included in this Report. The QP has relied on, and believes there is a reasonable basis for this reliance, upon the following other expert reports, which provided information regarding mineral rights, surface rights, and environmental status in sections of this Report as noted below.

### 3.1 Mineral Tenure

The author has not reviewed the mineral tenure, nor independently verified the legal status, ownership of the New Brenda property or underlying property agreements. The QP has fully relied upon, and disclaim responsibility for, information supplied by Gorilla management. Table 2, below, is a list of claims that Gorilla has purchased from individuals (shown in Yellow on Figure 2). Gorilla has staked and owns the claims (Table 3 and shown in red on Figure 2).

On May 4, 2017, Gorilla entered into an acquisition agreement (the "Acquisition Agreement"), as amended on June 2, 2017, with three (3) individual vendors (collectively, the "Vendors") to acquire a 100% undivided interest in the Property. The Acquisition Agreement was closed on August 14, 2017 by way of the issuance to the Vendors of 2,610,000 common shares of the Issuer. A subsequent payment of \$65,000 is due to the Vendors twelve months following the listing of the common shares of the Issuer on a public exchange.

Table 2: Mineral Claims purchased by Gorilla

**SCHEDULE A  
NEW BRENDA PROPERTY**

The following mineral claims are located in the Province of British Columbia:

Tenure Number	Claim Name	Issue Date	Good to Date	Standing	Area in Hectares
1047268	brenda	2016/OCT/14	2019/OCT/10	GOOD	83.27
1047267	brenda perim	2016/OCT/14	2018/OCT/10	GOOD	166.56
1047264		2016/OCT/14	2017/OCT/14	GOOD	83.3
1039137		2015/OCT/06	2020/OCT/29	GOOD	20.83
1039143		2015/OCT/06	2020/OCT/29	GOOD	83.33
1048666	CREST WEST	2016/DEC/29	2017/DEC/29	GOOD	83.33
1051645	CGM_11	2017/APR/28	2017/DEC/29	GOOD	1811.81
1049752	CGM#2	2017/FEB/02	2018/FEB/02	GOOD	749.78
1049993	CGM#3	2017/FEB/13	2018/FEB/13	GOOD	187.51
1050002	CGM#4	2017/FEB/14	2018/FEB/14	GOOD	166.64
1050421	CGM#5	2017/FEB/28	2018/FEB/28	GOOD	666.77
				<b>Total</b>	<b>4103.1</b>

Table 3: Claims staked and owned by Gorilla (Mineral Titles online)

<a href="#">Title Number</a>	<a href="#">Claim Name</a>	<a href="#">Issue Date</a>	<a href="#">Good To Date</a>	<a href="#">Status</a>	<a href="#">Area (ha)</a>
<a href="#">1052325</a>	ELKHORN 1	2017/JUN/03	2018/JUN/03	GOOD	1917.34
<a href="#">1052326</a>	ELKHORN 2	2017/JUN/03	2018/JUN/03	GOOD	708.55
<a href="#">1052327</a>	ELKHORN 3	2017/JUN/03	2018/JUN/03	GOOD	1772.22
<a href="#">1052328</a>	ELKHORN 4	2017/JUN/03	2018/JUN/03	GOOD	1542.09

## **3.2 Surface Rights**

The QP has fully relied upon, and disclaims responsibility for, information supplied by Gorilla Mineral Corp. management for information relating to the status of the current Surface Rights.

## **4 Property Description and Location**

The New Brenda Property is located in Southern British Columbia (Figure 1), Canada within 1:50,000 scale National Topographic System (“NTS”) map area 092H16 including the Similkameen, Nicola, and Osoyoos Mining Divisions. The approximate centre of the Property is located at an approximate longitude of 120.055° West and a latitude of 49.85° North, and Universal Transverse Mercator (UTM) North American Datum (NAD) 1983, Zone 10 coordinates 711,500metres (m) East / 5,526,000 m North.

The Property is comprised of 15 contiguous claims covering an area of 10,010 hectares west of the past producing Brenda Cu-Mo open pit located in southern British Columbia Figure 2).

None of the New Brenda mineral claims are known to overlap any legacy or Crown granted mineral claims, or no-staking reserves. There are no known environmental liabilities to which the Property is subject. To the extent of the author's knowledge, there are no other significant factors or risks that might affect access, title, or the right or ability to perform work on the Property.

To the extent of the author's knowledge, no mineral exploration permits pertaining to the New Brenda Property have been acquired. Permits, to be approved by the British Columbia Ministry of Energy and Mines, would be necessary if Gorilla were to proceed with any ground geophysical surveys, drilling activities, or if they were to establish a temporary or semi-permanent camp on any portion of the mineral claims making up the New Brenda Property.

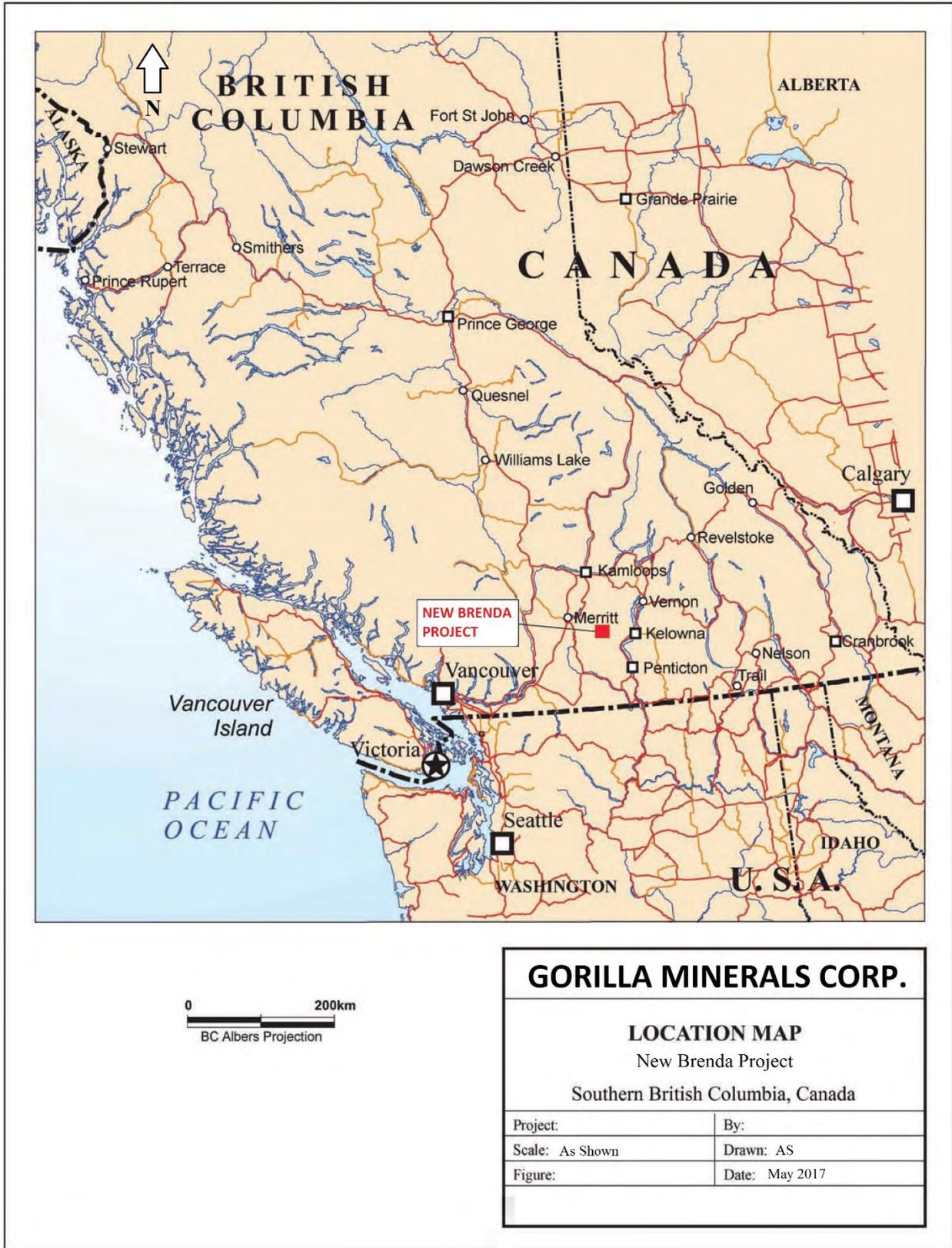
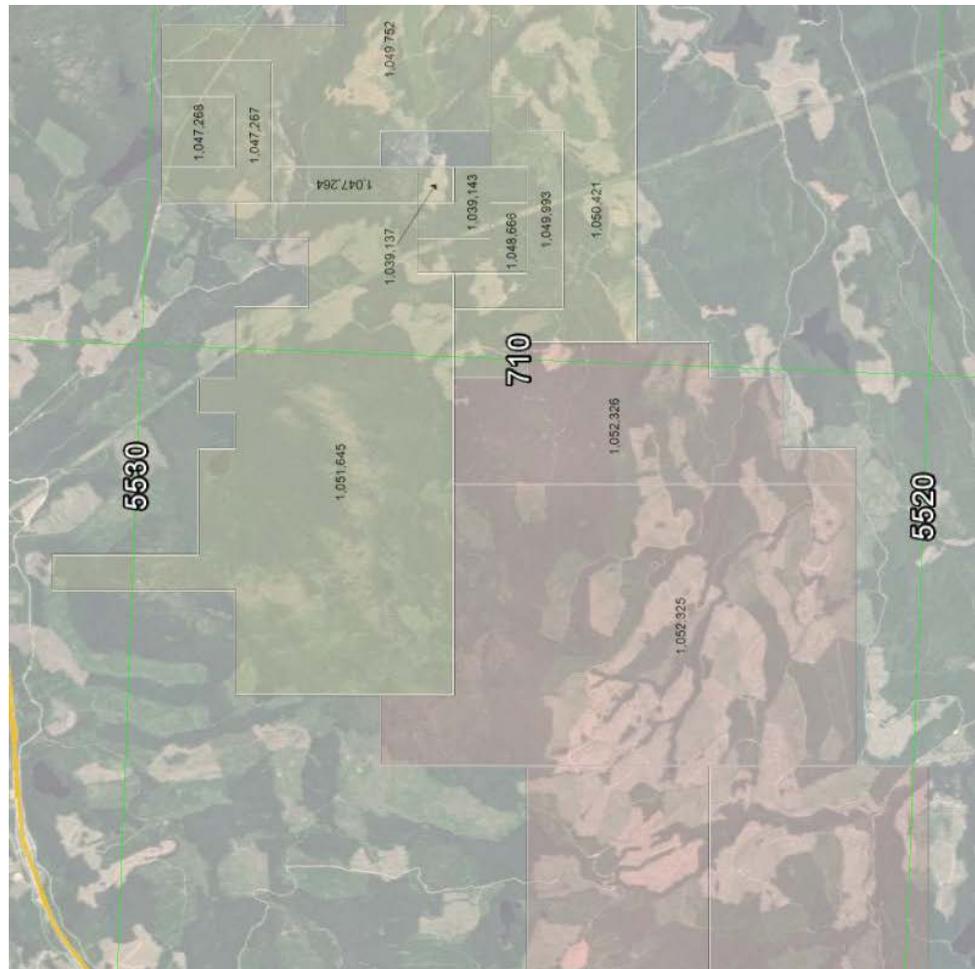


Figure 1: Location Map



## 5 Accessibility, Climate, Local Resources, Infrastructure, and Physiography

### 5.1 Accessibility

The New Brenda property is located 42 kilometres west of Kelowna in south-central British Columbia and 65 km SE of Merritt, BC. (Figure 1). It is centered on a latitude of 49.85° North and a longitude of 120.055° West within NTS map areas 92H/16 and 082E/13. The Okanagan connector Highway (97c) extends across the northern claims and a number of gravel logging roads and trails provide excellent access to most parts of the property. Climate

Annual temperatures range from -30°C to 30°C with moderate precipitation. The area is generally snow-free from early June through mid October and snowfall accumulations up to 6.6 meters exist at higher elevations on the property in the winter months (Accuweather website). The summer/fall exploration period is considered to be between mid-June and late October. Year round diamond drilling is possible given a suitable supply of water and a winterized camp. As a result of a well developed network of all-weather logging roads on the Property, the

*Figure 2: Claim Map: red claims are staked by Gorilla, yellow claims are optioned (see text for details) small black numbers are claim numbers large white numbers are UTM (000's) north is to the left. 10km squares*

proposed exploration outlined in Section 18 of this report could likely be completed at any time of year, given the appropriate equipment is supplied to field personnel and snow accumulations are not excess as to hinder its safe and efficient use.

## **5.2 Local Resources**

The community of Peachland is the nearest community. It is a small recreational community approximately 25 km southeast of the Property and located on the west bank of Okanagan Lake with a population of approximately 4698 people in 2016. Peachland can supply basic supplies and gas.

Kelowna (population approximately 151,957 in 2016) is the nearest city located approximately 42 km to the east of the Property and straddles east and west bank of Okanagan Lake. Driving from Kelowna to the Property along the Highway 97c and the Sunset Lake FSR takes approximately one hour. Historically, the main industries have been forestry and mining, including the Brenda Cu-Mo Open Pit Mine, which operated from 1970 to 1990. Princeton is located approximately 100km south of the property. Princeton has a long history of mining and would be home to numerous persons with mining skills. Logan Lake is located approximately 110 km west of the property. Logan lake is very near Teck's Highland Valley mine.

It is the author's opinion that labour for exploration and mining is available from numerous nearby communities.

Cabins on Headwaters Lake, just a few km south of the property, are available for a reasonable fee. The owner of the cabins has a large backhoe, dump truck, skid steer and other equipment available to contract out.

## **5.3 Infrastructure**

Highway 97C runs just north (<1km) of the property. There are numerous active logging roads that provide direct access onto the property, which at the time of this report are open year-round. A northwest trending BC Hydro 500 kV (BC Hydro website) transmission line cuts diagonally through the middle of the property and the past producing Brenda Cu-Mo open pit abuts the northeast corner of the property. A new hydro line that takes power from a 15 Megawatt (MW), 5 turbine wind power generation project located just north of the property now parallels the 500kv line. The author is uncertain about the specifics of the voltage on this line.

## **5.4 Physiography**

The New Brenda Project is located within the Thompson Plateau area of southern British Columbia with elevations ranging from 1300m near the south-east edge of the Project, to nearly 2,000 metres on the northern edge of the Project. Slopes are generally moderate with some local, steeper sections. The Project is blanketed by glacial till, varying in depth from less than 1 to as much as 10 metres or more, the presence of which restricts bedrock exposures to local windows and patches. The area is densely forested primarily with pine and slight thinning of vegetation at higher elevations and in steeper areas. Clear cut logging plots of varying ages are scattered throughout the area, many of which are covered with dense second growth.

## 6 History

Mineral exploration and production in the local area surrounding the New Brenda Property has been historically dominated by copper-molybdenum porphyry and quartz vein hosted gold projects, namely the Brenda Mine and Elk/Siwash Mine respectively (Kreft, 2015, AR#35691). Just outside of the claim boundary on the northeastern edge of the Brenda Property is the historic Brenda Mine. The copper-molybdenum open pit mine produced 177 million tonnes at 0.169% copper and 0.043% molybdenum between 1970-1990. The Elk/Siwash open pit and underground gold mine lies approximately 18 km to the southwest and produced 51,750 oz of gold averaging 2.8 oz/ton between 1992-1995 (Kreft, 2015, AR#35691). The current claim boundary of the New Brenda Property encompasses many historical claims that have been held by varying past exploration companies and individuals. The following descriptions below piece together their exploration histories.

During the late 1960's exploration for similar copper-molybdenum mineralization to the nearby Brenda Mine was predominant on the property. Fairfield Metals completed reconnaissance soil sampling and prospecting on the Crest claims from 1986-1989 (Cormier, 1990, AR#21058). The field work highlighted 8 rock samples with greater than 1g/t gold up to 8650 ppb (Kreft, 2015, AR#35691). Based on the highly anomalous rock samples and previously defined (but not reported on) soil anomalies, further work on the property was recommended and the Crest claims were staked in 1989 (Cormier, 1990, AR#21058). Prospecting by Fairfield from 1986 to 1990 in the area subsequently staked as the Pen claims revealed gold mineralization in three localities, hosted by quartz veins or sulphide skarn pods. Grab samples returned values up to 0.18oz/ton gold. Stream sediment samples gave anomalous values for Au, Ag, Cu, Zn, Mo and As (Rowe, 1991, AR#22304).

### **6.1 Fairfield Metals 1990-1996 (Crest and Pen Claims) – AR#21058, AR#22304, AR#23255, AR#25043**

The New Brenda Property sits within the larger historical Crest and Pen claim package. In 1990, 4792 soil samples were collected in a 200m x 50m grid over the vast majority of the historical Crest claims (Cormier, 1991, AR#21058). Anomalous results from the initial sampling program prompted a further 957 infill soil samples in a 50m x 50m grid around >50 ppb gold sample sites. The eastern portion of the sampled area yielded 7 moderate to strongly anomalous gold trends with values up to 580 ppb gold. 23 rock and 5 stream sediment samples were also collected during the 1990 field program. A highly anomalous rock sample assay came back with 8.534 oz/ton gold and 35.72 oz/ton silver. This sample, C90-R13, was taken from surficial angular rubble consisting of selected quartz vein fragments up to 7cm with sparse pyrite and galena. Rock samples C90-R11 and C90-R22 also had anomalous results of 2480 ppb gold and 3520 ppb gold, respectively. C90-R11, C90-R13 and C90-R22 are all located within the northern portion of the historical Crest 10 claim which is now located on the south-central portion of the New Brenda Property south of Brenda Lake.

The Pen claims were staked in 1990 by Fairfield. 401 soil samples were taken on the southeastern portion of the Pen property in 1990 to test for continuation of gold anomalies that were defined on the adjoining Crest property. Several anomalous values were returned, up to 590 ppb gold (Rowe, 1991, AR#22304).

The 1991 field program on the Pen property consisted of 2549 soil samples collected predominately on a 400m x 50m spacing. 50m x 50m follow up sampling around some of the anomalous sites added another 337 samples.

The soil sampling up to 1991 covered 75% of the Pen property (which covered all of the historical Pen claims that are now included in the New Brenda Property). Four large areas (1 to 2.5 km long) of gold enrichment were defined by soil geochemistry. All contain many values greater than 50 ppb gold up to a high of 590 ppb gold. Gold-bearing quartz veins have been discovered in three of the anomalous areas on the historic Pen property. Vague northeast trending gold highs are evident, which may represent narrow gold bearing structures (Rowe, 1991, AR#22304). 35 rock samples were taken across the Pen property in 1991. Anomalous samples that lie within the New Brenda Property boundaries are located on the historical Pen 13 claim which was directly to the north of the previously mentioned Crest 10 claim (current south-central portion of the New Brenda Property). The two samples, Pen91-R22 and Pen91-R32 came back with 0.08 oz/ton gold, 6.2 ppm silver and 4280 ppb gold, 38.1 ppm silver, respectively.

Further sampling of the Pen property in 1993 completed reconnaissance-grid (400m x 50m) coverage on three areas (Northwest, Southwest and East grids) of the property not previously tested, and minor fill-in was conducted (Balon, 1993, AR#23255). This work generated 1157 soil samples. Scattered weak to moderate gold anomalies in the 21 to >50 ppb range were defined in each area. Follow up work focused mainly on the Eastern grid zone. 11 rock samples and 3 stream sediment samples were collected. Anomalous results of 0.912 oz/ton (35800 ppb) gold and 5025 ppb gold from Pen93-R1 and Pen93-R11, respectively, were collected from quartz vein rich float. An outcrop grab sample of limonitic quartz lenses (up to 10cm wide) in silicified, bleached, pyritic tuff (Pen93-R3) returned 1485 ppb gold, 1.0 ppm silver and 365 ppm bismuth. These three rock samples are all located to the southeast of Brenda Lake within an approximate area of 150m. The sample locations reside within the northeastern area of the New Brenda Property.

Within the East Grid area, near Brenda Lake, several occurrences of significant gold-bearing limonitic quartz were located in shallow overburden and in altered volcanic bedrock cut by granodiorite dykes. Several large float fragments were found, indicating local veins having appreciable widths of 10 to 30 cm. Five of ten rock samples collected from this area returned anomalous gold values of 110 to 35,800 ppb (Assay - 0.912 oz/ton, PEN 93-R1). Two of the samples also yielded very strong bismuth (365 and 441 ppm) and anomalous silver (2.5 and 5.3 ppm). Infill soil geochemistry around the main concentration of these occurrences located five gold anomalies (22-66 ppb Au), the relative positions of which suggest an easterly trending linear gold vein source.

In 1994, initial trenching was undertaken to test some of the mineral occurrences and coincident strong soil anomalies on the historic Crest 10 and Pen 13 claims (Balon, 1996, AR#25043). Six trenches totaling 594 m in length were excavated in two areas. Extensive shearing with local quartz veining in silicified volcanics and hornfels skarn alteration zones were encountered. Gold values of >300 ppb were determined in 35 (15%) of the 230 trench bedrock samples collected. The best averaged results included 0.145 oz/T gold over 4.0 m in Area A and 0.258 Oz/T Au over 1.0 m in Area B. In 1995 prospecting continued, and two trenches totaling 111 m were excavated in a northern extension of Area B to test additional soil anomalies and mineral occurrences. Several quartz veins and sheared intervals with alteration were exposed, and assays up to 0.056 oz/T Au were returned from bedrock chip samples.

The 1994 field program also focused on trenching along the northeast PEN 10 claim near Brenda Lake and was successful in locating a potential bedrock source for high grade gold-quartz float found previously (sample Pen93-R1 with 35800 ppb or 1.0 oz/ton gold) (Balon, 1996, AR#25043). A quartz vein approximately 25 to 30 cm thick

was intersected striking southwest with shallow dips ranging from 10 to 30 degrees. The footwall and hanging wall diorite showed argillic to phyllic alteration with disseminated pyrite, and contained several 1 cm quartz stringers. Nineteen continuous chip samples and two grab samples of the vein and the adjacent altered zone returned values ranging from 0.12 to 43 g/t Au (Balon and Conroy, 1994). In 1995, five short diamond drill holes totaling 124.05 m (407 ft.) were completed in the trench area by Brenda Lake. Several quartz-calcite veins up to 35 cm wide were intersected, but no significant gold values greater than 0.65 g/ton were returned. Reclamation of all trench and drill sites was carried out (Balon, 1996, AR#25043).

The 1996 field program consisted of soil anomaly follow up, prospecting and trenching. Infill soil sampling was completed on the Pen 10 claim near the 1994 trenching and 1995 drill sites, with 21 samples collected. 45 rock samples and 6 stream sediment samples were collected over the eastern portion of the historic Crest and Pen property. Further trenching in 1996 on the northwestern quadrant of the historic Crest 10 claim (central southeastern New Brenda Property) totaled 243 linear metres and yielded 100 total samples. Best results were 1687 ppb gold over a 3.0 meter section of veins and shears with silicified and skarnified volcanics. The overall results from the program were thought to be encouraging, with bedrock sources for some of the strongest gold soil anomalies and best-grade float occurrences remaining to be determined, and continuity of mineralization remaining to be fully defined.

## **6.2 Terrace Ventures 2004 (Peach Claim) - AR#27829**

Follow up to geological fieldwork completed by Fairfield Metals from 1990-1996. Objective was to identify gold bearing quartz vein system similar to Elk/Siwash deposit located to the west. Sampling, prospecting and mapping was carried out over 4 areas of anomalous samples located on the historic Crest 10 and Pen 13 claims. 24 rock samples and 10 soil samples were collected. Samples from brecciated limonite hornfels unit with local quartz veins returned up to 145.1 ppb gold and a chip sample from a 1.15-1.85m wide quartz vein cutting granodiorite returned 364.3 ppb gold, while the granodiorite returned 58.1 ppb gold (Reynolds, 2005, AR#27829).

## **6.3 Ravenscrest Resources 2006-2012 (Siwash Property) - AR#33395, AR#32708**

Ravenscrest Resources acquired 91 claims of the Siwash Property from International Tower Hills Mines Ltd in 2006 (Raffle, 2012, AR#33395, AR#32708). In 2010 Ravenscrest optioned the remaining 26 mineral claims that make up the Siwash Property from River Wild Exploration Inc. The current Brenda Property encompasses portions of the previously mentioned Siwash Property claims. The Siwash Property did not include the Crest claims, which were held by Bernie Kreft (see below). APEX Geoscience compiled historic data in 2012 for the Siwash Property.

## **6.4 Bernie Kreft 2009-2015 (Crest Claims) - AR#35691**

During the period 2009-2012 geochemical sampling and prospecting was conducted on the Crest Claims (which are now part of the southern portion of the New Brenda Property) in an effort to verify and further define historical results. 31 rock samples and 62 soil samples were collected. Rock samples returned up to 32.6 ppm Au

(along with weakly anomalous bismuth, silver and tungsten) from a grab sample of narrow east-northeast trending quartz vein, while soil sampling returned values of up to 1.125 ppm gold. The 2015 program focused on further soil sampling and Prospecting in the vicinity of the 2012 soil sample that returned 1.125 ppm gold. 24 soil samples and 5 rock samples were collected. A strong east-northeast trending open-ended soil anomaly with soil results up to 2.57 ppm gold proximal to the 1.125 ppm sample from 2012 located approximately 10-15 metres north of the nearest historical trench was defined (Kreft, 2015, AR#35691).

## **7 Geological Setting and Mineralization**

### **7.1 Regional Geology**

The New Brenda Property is situated on the eastern edge of the Intermontane tectonic belt of south-central British Columbia within the North American Cordillera. The Intermontane belt is composed of the Quesnellia, Stikinia and Cache Creek terranes. The New Brenda Property is located within the Quesnellia Terrane, an interwoven layer of Paleozoic and Mesozoic arcs and back-arcs. Arc growth was sporadic with a significant pulse in the Late Triassic–Early Jurassic (212-192 Ma) associated with multiple well-mineralized porphyry systems. In southern British Columbia these mineralizing events produced significant deposits including Highland Valley and Gibraltar; Copper Mountain, Afton and Mountain Polley; and Brenda (Logan et al, 2010).

### **7.2 Local Geology**

Local geology in the area of the New Brenda Project is shown on the northeast part of GSC Map 41- 1989, Hope, by J.W.H. Monger, 1989 and the northwest part of GSC Map 1736A, Penticton, by D.J. Templeman-Kluit, 1989 Figure 3 (MapPlace). It is underlain predominantly by a large pendant consisting of volcanic and sedimentary rocks of the Upper Triassic Nicola Group in contact to the east with granodiorite of the Late Triassic to Early Jurassic Pennask Batholith. Nicola Group lithologies consist of felsic to mafic flows and tuffs interspersed with argillite, siltstone and limestone units. The batholith is comprised of white to grey, medium to fine grained granodiorite. Widespread silicification and bleaching of argillite and volcanic rocks is present near intrusive contacts. Quartz veining is locally abundant, and is generally concentrated near the edges of the batholith and within the adjacent silicified volcanics and to a lesser extent the sediments. Early Tertiary feldspar porphyry stocks and dykes of the Otter Intrusives occur throughout the area (Kreft, 2015, AR#35691).

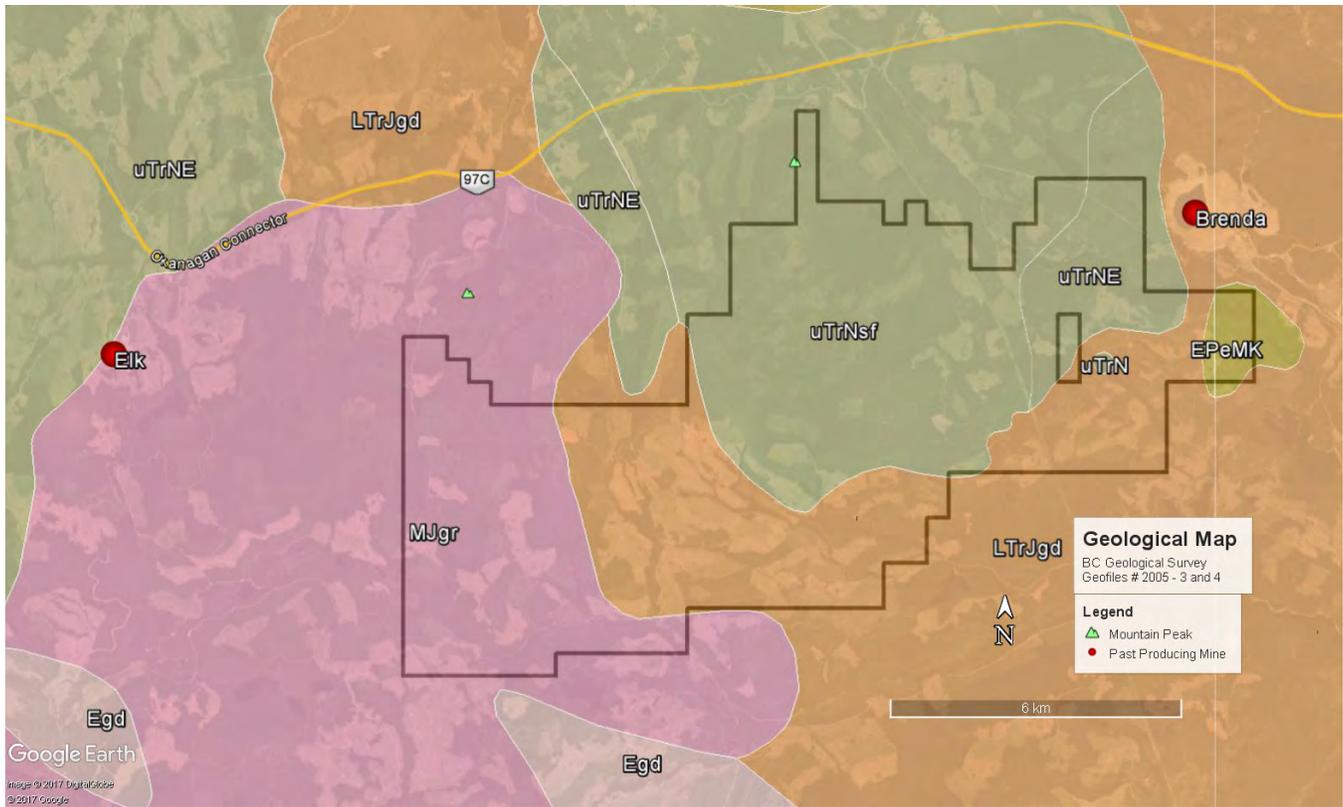


Figure 3: Geological Map of New Brenda Property (BC Geological Survey Geofiles 2005-3 and 4)

### Legend

#### Layered / Volcanic Rocks

Unit	Group	Terrane	Description
uTrN	Nicola	Quesnel	Undifferentiated mafic to felsic volcanic and volcanoclastic rocks, including augite-phyric flows, tuffs and breccias; lesser argillite, greywacke and limestone
uTrNE	Nicola	Quesnel	Eastern Volcanic Facies basaltic volcanics
uTrNsf	Nicola	Quesnel	mudstone, siltstone, shale fine clastic sediments
EPeMK	Penticton	Overlap	Marron, Kettle River, Springbrook, Marama and Skaha Formations undivided volcanic rocks

#### Intrusive Rocks

Unit	Terrane	Description
LTrJgd	Quesnel	Unnamed granodioritic intrusive rocks
Egd	Post Accretionary	Unnamed granodioritic intrusive rocks
MJgr	Post Accretionary	Unnamed granite, alkali feldspar granite intrusive rocks

Paleo Ice flow directions for the project area are dominantly from the north towards the south to south east with minor variations as shown in Figure 4.

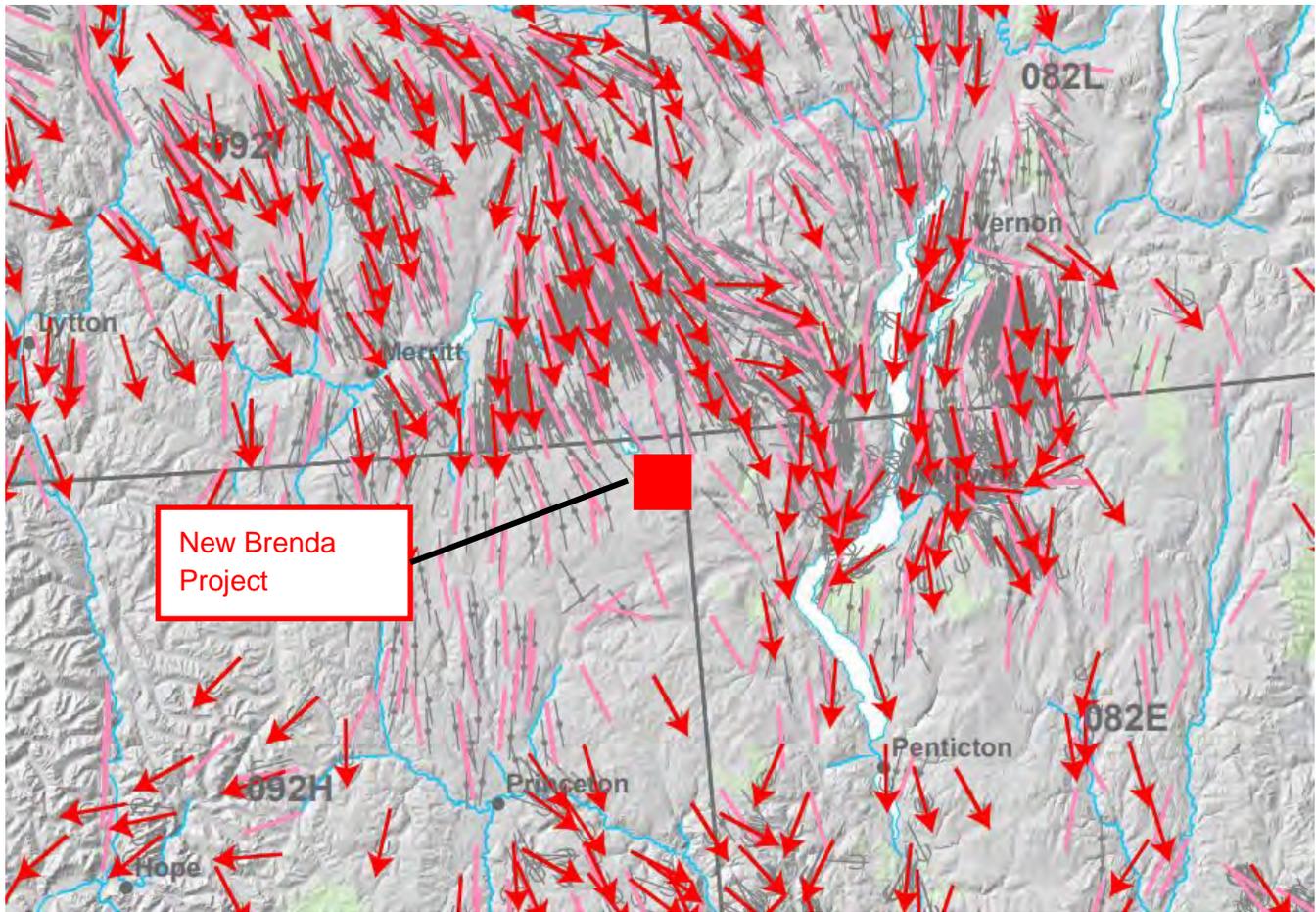


Figure 4: Map showing paleo-ice flow directions

[http://www.empr.gov.bc.ca/Mining/Geoscience/PublicationsCatalogue/OpenFiles/2013/Documents/2013-06/OF2013\\_06\\_Sheet1.pdf](http://www.empr.gov.bc.ca/Mining/Geoscience/PublicationsCatalogue/OpenFiles/2013/Documents/2013-06/OF2013_06_Sheet1.pdf)

### 7.2.1 Local Mineral Deposits

Porphyry style copper-molybdenum mineralization has been mined from the Pennask Batholith intrusive rocks at the Brenda Deposit near the east contact of the Nicola pendant, immediately east of the Project claim boundary. The Brenda mine produced 177 million tonnes at 0.169% copper and 0.043% molybdenum from 1970-1990 (Kreft, 2015, AR#35691).

The Elk Gold Project, 100% owned by Trek Mining, consists of shear zone hosted, intrusive related, east-west trending and shallowly dipping high grade gold veins ([www.trekmining.com](http://www.trekmining.com)). The veins are best developed within intrusive and adjacent silicified volcanics. Mineral Resource estimate for the Elk Gold Project was effective August 22, 2016: Measured and Indicated Resource: 1,042,600 tonnes at 6.32 g/t containing 211,900 oz gold; Inferred Resource: 1,096,900 tonnes at 5.94 g/t containing 209,600 oz gold ([www.Trekmining.com/properties/reserves-resources](http://www.Trekmining.com/properties/reserves-resources)). The Elk Gold Project is approximately 18km to the southwest of the Brenda Property.

### **7.3 Property Geology**

The geology of the Pennask Mountain area, which covers the western portion of the property, was mapped at 1:25,000 scale by G.L. Dawson and G.E. Ray of the B.C. Ministry of Energy, Mines & Petroleum Resources (BCMEMP open file map 1988-7). Dawson and Ray (1988) subdivided the Nicola Group underlying most of the property into three northeast-striking, northwest-younging formations (Balon, 1996, AR#25043). The easternmost part, the Peachland Creek Formation, consists of basaltic to dacitic flows and tuffs and a siliceous feldspar porphyry unit. The central Stemwinder Mountain Formation consists predominantly of black argillite locally overlying thin sections of conglomerate, limestone and limy siltstone. The youngest rocks, to the west, are bedded to massive andesitic tuffs with minor interbedded argillite.

Large blocks of schistose rocks occur in the south central portion of the property near the Nicola contact (Balon, 1996, AR#25043). These may be xenoliths of volcanic and sedimentary rocks which have been partially melted and recrystallized during intrusive events, or they may be screens of basement rocks which were brought up by the magma body.

Jurassic intrusive rocks underlying the southeastern half and northeastern extremity of the property area consist mainly of granodiorite with minor coarse reddish granite. Aplite dykes are also present and may represent a late stage of the intrusions. Locally, batholithic rocks are cut and altered by younger, porphyritic intrusions of probable Late Cretaceous or Early Tertiary Age Otter Intrusions (Balon, E.A., 1996, AR#25043).

### **7.4 Property Mineralization and Alteration**

The Property is predominantly underlain by Nicola group volcanics and lesser sediments which are variably silicified, with occasionally abundant disseminated pyrite and pyrrhotite and local calc-silicate or skarn development (Kreft, 2015, AR#35691). Within the project locally abundant quartz veins and stringers have been found cutting siliceous volcanics and argillite. The quartz is glassy grey to opaque white or dark rosy with generally sparse disseminated pyrite and minor fine black grains, possibly specular hematite. Veins located to date appear to be irregular and discontinuous, with variable attitudes, and widths generally less than 10 centimeters. Limonite and hematite are common vein constituents. Overall sulphide contents are generally low, but local concentrations of pyrite, pyrrhotite, chalcopyrite, molybdenite, arsenopyrite, galena, sphalerite and other minerals have been noted. (Balon, 1996, AR#25043). Some of the larger veins are pegmatitic and contain coarse intergrown micas and feldspar. Grab and chip samples from individual veins and from altered rock with quartz stringers has returned numerous gold analyses of greater than 1000 ppb gold, up to 32.6 ppm gold. Also, a sample of hematitic quartz chips in overburden yielded assays of 8.534 oz/ton gold, 35.72 oz/ton silver (sample C90-R13/1990). The style and distribution of mineral showings found to date suggests the presence of a substantial mineralized system, with significant gold grades returned from samples of low-sulphide quartz veins, sheeted vein sets and stockworks. The overall geological environment at is similar to that which occurs on the Elk/Siwash property 18 km to the west where high-grade gold quartz vein structures are hosted by granitic batholith and adjacent Nicola volcanic rocks. Although most of the veins at Elk/siwash contain abundant sulphides (mainly pyrite), extensive ore sampling results also show a significant gold-bismuth correlation similar to the gold bearing showings found on the Brenda Property (Kreft, 2015, AR#35691).

## **8 Deposit Types**

### **8.1 Porphyry Copper-Molybdenum-Gold Deposits**

Porphyry copper systems are defined as large volumes of hydrothermally altered rock centered on porphyry copper stocks. Metal content is low- to medium-grade the distribution of primary ore minerals are dominantly structurally controlled and that may also contain skarn, carbonate-replacement, sediment-hosted, and high- and intermediate-sulphidation epithermal base and precious metal mineralization (Sinclair, 2007. Sillitoe, 2010). Their formation is related to felsic to intermediate magma emplacement at relatively high levels in the crust, where the circulation of hydrothermal fluids facilitates scavenging, mobilizing and deposition of metals.

The metal content of this class of deposits is diverse, but within the scope of this report can be narrowed down to those grouped as Copper ± Molybdenum ± Gold (Cu ± Mo ± Au).

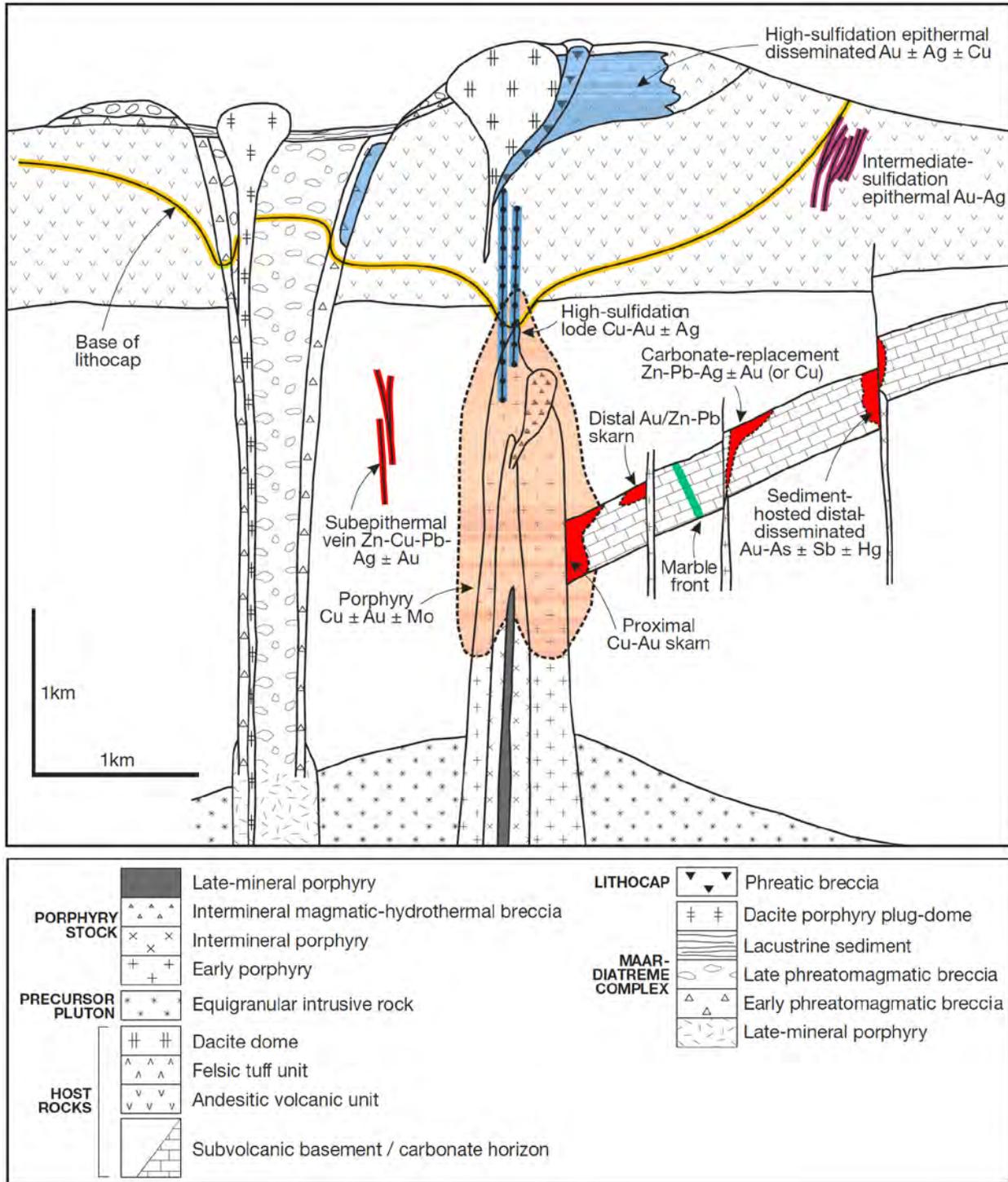


Figure 5: Anatomy of a telescoped porphyry Cu system (Sillitoe, 2010).

### 8.1.1 Importance

Porphyry copper deposits account for approximately two-thirds of global copper production and more than 95% of world molybdenum production. Porphyry deposits are also major sources of gold, silver, and tin; significant by products include Re, W, Pd, Pt, Te and Se. (John et al., 2010)

### **8.1.2 Geographic Distribution**

Porphyry deposits occur throughout the world in a series of extensive, relatively narrow, linear metallogenic provinces. They are predominantly associated with Mesozoic to Cenozoic orogenic belts in western North and South America, around the western margin of the Pacific Basin, and in the Tethyan orogenic belt in eastern Europe and southern Asia. However, major deposits also occur within Paleozoic orogens in Central Asia and eastern North America and, to a lesser extent, within Precambrian terranes (Sinclair, 2007).

### **8.1.3 Geographic Distribution within British Columbia**

Late Triassic to Early Jurassic Cu-Au and Cu-Mo porphyry deposits of the Stikine and Quesnel terranes are collectively the most important group of deposits in British Columbia (Nelson and Colpron, 2007). They include such producers as Highland Valley, Gibraltar, Copper Mountain, Mt. Milligan, Red Chris, Brenda, and New Afton; projects such as Schaft Creek, Brucejack, and Kerr-Sulphurets-Mitchell (KSM) are also moving towards production (Figure 6). Host intrusions range in age from 210 Ma (Galore, Highland Valley) to 183 Ma (Mt. Milligan). The abundance of porphyry and other deposits marks Stikinia and Quesnelia as remarkably rich metallogenic terranes, comparable to the modern arc setting of Papua New Guinea.



Figure 6: Copper Porphyry Deposits in BC (Schroeter and Pinsent, 2000)

### 8.1.4 Grade and Tonnage

Porphyry deposits are large and range in size from tens of millions to billions of tonnes. In typical porphyry Cu ± Mo ± Au deposits, grades range from 0.2 to 1.0% Cu, <0.01 to 0.05% Mo, and 0.0 to 1.0 g/t Au.

Some porphyry deposits exhibit exceptional size along with grade such as the Grasberg deposit in Indonesia, with a resource greater than 2.5 billion tonnes grading 1.1% Cu and 1.04 g/t Au (Freeport-McMoran Copper and Gold Inc., Annual Report).

### 8.1.5 Tectonic Setting

Porphyry Cu systems are generated mainly in magmatic arc environments subjected to broadly contractional settings, marked by crustal thickening, surface uplift and rapid exhumation (Sillitoe, 2010). Porphyry Cu deposits are typically located in volcanic or sub-volcanic environments in subduction-related, continental and island-arc settings.

Fault and fault intersections are invariably involved in determining the formational sites and geometries of porphyry Cu systems and their constituent parts. Some investigators emphasize the importance of intersections between continental-scale transverse fault zones and arc-parallel structures for porphyry Cu formation (Richards et al., 2001).

### 8.1.6 Geological Setting

Porphyry deposits occur in close association with porphyritic intrusions. There is a close temporal relationship between magmatic activity and hydrothermal mineralization. Commonly located in volcanic or sub-volcanic environments, host rocks typically include volcanics, intrusives (which may or may not be coeval with country rock) and volcano-sedimentary, epiclastic and pyroclastic rocks (Sillitoe, 2010).

The composition of intrusions associated with porphyry deposits varies widely and appears to exert a fundamental control on the metal content of the deposits. Intrusive rocks associated with porphyry Cu-Au and porphyry Au deposits tend to be low-silica, relatively mafic and primitive in composition, ranging from calc-alkaline dioritic and granodioritic plutons to alkalic monzonitic rocks. In general, the majority of large porphyry deposits are associated with calc-alkaline intrusions – although, some of the largest gold-rich deposits are associated with high K calc-alkaline magma compositions. (Cooke et al. 2005).

### 8.1.7 Alteration

Hydrothermal alteration is extensive and typically zoned on a deposit scale as well as around individual veins and fractures. Alteration zones on a deposit scale commonly consist of an inner potassic  $\pm$  sodic core characterized by K-feldspar and/or biotite ( $\pm$  amphibole  $\pm$  magnetite  $\pm$  anhydrite), and an outer, more extensive zone of propylitic alteration that consists of quartz, chlorite, epidote, calcite and, locally, albite associated with pyrite. Zones of phyllic (quartz + sericite + pyrite) and argillic alteration (quartz + illite + pyrite  $\pm$  kaolinite  $\pm$  montmorillonite  $\pm$  calcite) may be part of the zonal pattern between the potassic and propylitic zones, or can be irregular or tabular, younger zones superimposed on older alteration and sulphide assemblages (John et al. 2010).

Alteration mineralogy is controlled in part by the composition of the host rocks, and by the composition of the mineralizing system. In mafic host rocks with significant iron and magnesium, biotite is the dominant alteration mineral in the potassic alteration zone, whereas K-feldspar dominates in more felsic rocks (Sinclair, 2007). In more oxidized environments, minerals such as pyrite, magnetite ( $\pm$  hematite), and anhydrite are common, whereas pyrrhotite is present in more reduced environments (Rowins, 2000).

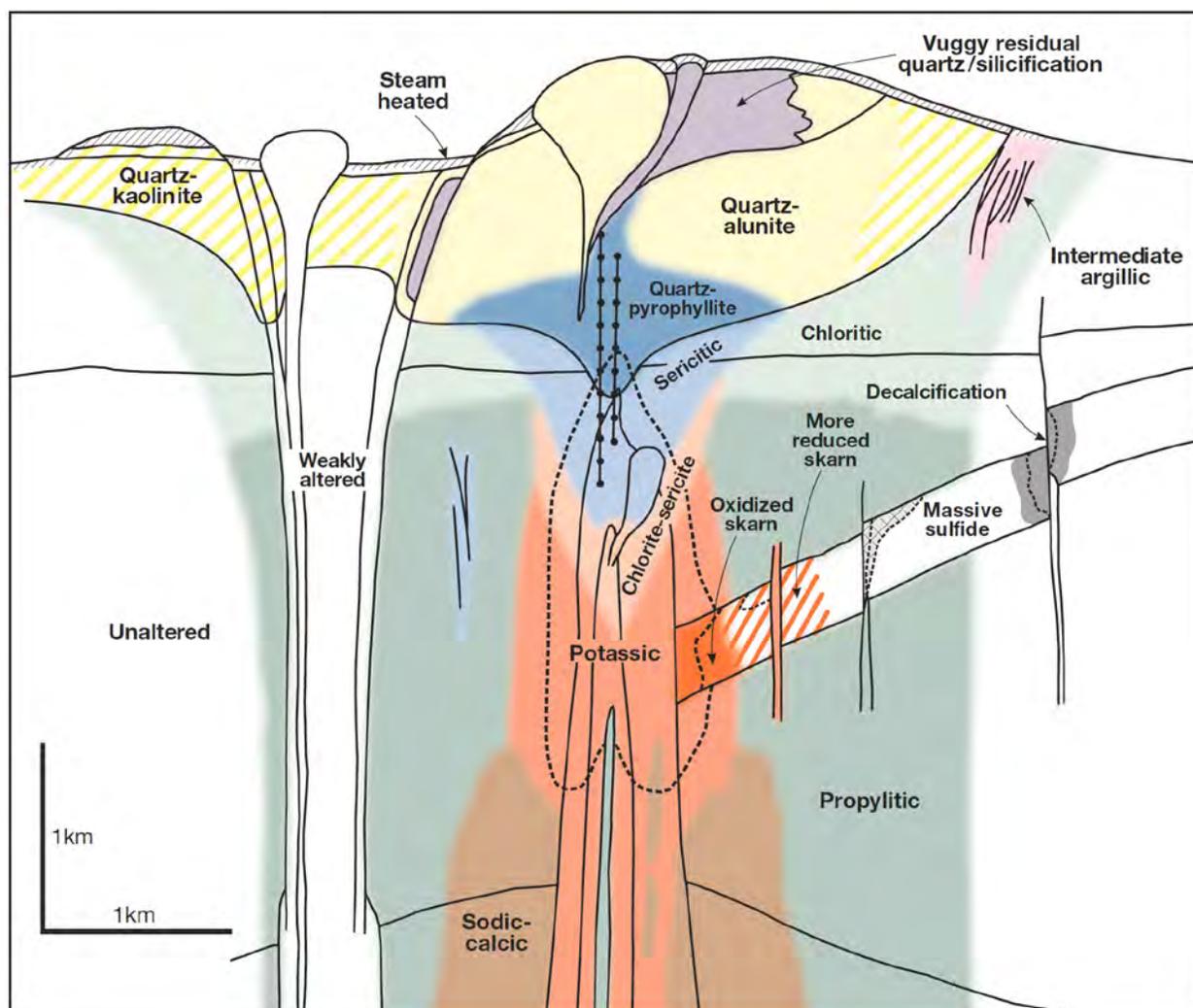


Figure 7: Generalized alteration-mineralization zoning pattern for telescoped porphyry Cu systems (Sillitoe, 2010).

### 8.1.8 Structure and Mineralization Styles

As mentioned above, faults and fault intersections are invariably involved in determining the formation and geometry of porphyry Cu systems. At the scale of ore deposits, associated structures can result in a variety of mineralization styles, including veins, vein sets, stockworks, fractures, “crackled zones”, and breccia pipes. Orientations of mineralized structures can be related to local stress environments around the tops of plutons or can reflect regional stress conditions.

### 8.1.9 Mineralogy

The mineralogy of porphyry deposits is highly varied, although pyrite is typically the dominant sulphide mineral in porphyry Cu ± Mo ± Au deposits. Principal ore minerals are chalcopyrite, bornite, chalcocite, tennantite, enargite, other Cu sulphides and sulphosalts, molybdenite, and electrum; associated minerals include pyrite, magnetite, quartz, biotite, K-feldspar, anhydrite, muscovite, clay minerals, epidote and chlorite.

### 8.1.10 Morphology and Architecture

The overall geometry of individual porphyry deposits is highly varied and includes irregular, ovoid, pipe-like or cylindrical shapes, which may or may not be “hollow”. Ore bodies are zoned, with often barren cores and crudely concentric metal zones, and may occur separately or overprint one another, vertically and laterally.

Complex, irregular ore and alteration patterns arise from overprinting episodes of zoned mineralization and alteration of different ages.

#### 8.1.11 Genetic Model

Porphyry Cu systems typically span the upper 4 km or so of the crust, with their centrally located stocks being connected downward to parental magma chambers at depths of perhaps 5 to 15 km. The water-rich parental magma chambers are the source of the heat and hydrothermal fluids throughout the development of the system. Large, poly-phase hydrothermal systems developed within and above genetically related intrusions are formed and are often long-lived (~5m.y.).

Convection of hydrothermal fluids throughout the country rock and intruding stocks results in a focusing of metals along conduits and within permeability networks where hydro-fracturing has taken place. Effective scavenging of metals is facilitated by “organized” hydrothermal systems in a state of convection, while efficient metal deposition is enhanced by pore-fluid over-pressurization resulting in catastrophic failure and rapid remobilization and de-pressurization of metalliferous hydrothermal fluids. (Silitoe, 2010)

## 8.2 Epithermal deposits

A variety of deposit types are spatially, if not genetically, related to porphyry copper mineralization, including skarns, polymetallic veins and replacements, and epithermal veins. (Silitoe, 2010)

#### 8.2.2 Mineralization & Alteration

Epithermal deposits form at shallow depth, <1.5 km, and are hosted mainly by volcanic rocks. Common alteration assemblages include sericitic, silicification, propylitic, advanced argillic, and alunitic. Although 3 types of epithermal deposits can be distinguished, the two most common end-member styles of epithermal gold deposits are high sulfidation (HS) and low sulfidation (LS).

LS deposits ore mineral include py, electrum, gold, sphalerite, galena with gangue minerals consisting of quartz, chalcedony, calcite, adularia, illite and carbonates. HS ore minerals include pyrite, enargite, chalcocopyrite, tennantite, covellite, gold, tellurides with gangue minerals quartz, alunite, barite, kaolinite, pyrophyllite. (<http://www.spectral-international.com/files/49148587.pdf>)

#### 8.2.3 Exploration Features

Exploration features or aspects of these deposits are summarized below (Silitoe, 2010):

- Most deposits have some form of veining or disseminated sulphides and/or alteration that extend significantly beyond economic mineralization.
- There may be mineralogical and litho-chemical signatures of productive magmas.
- Gold to silver ratios increase with increasing free silica content.
- Copper content appears to increase with depth.
- Basement architecture or plumbing is important.

## 9 2017 Exploration Program

### Soils

A soil sampling and prospecting program was carried out June 28 – 30, 2017. The areas that were sampled are within Twilight Zone and Silverback Zones (Figure 8). B-horizon soils were collected where available every 50m along lines spaced mostly at 200m. Locally some lines were spaced at 100m. Handheld GPS units were used to locate sample sites. These units are accurate to within +/- 5m. The samples were placed in brown Kraft bags and sent to MS Analytical Labs in Langley BC for analysis. Samples were dried and then screened to -80 mesh, 1:1 Aqua regia solution was used. Then analyzed using ICP-AES/MS process for ultra trace levels. See appendix for detection levels of each element analyzed for.

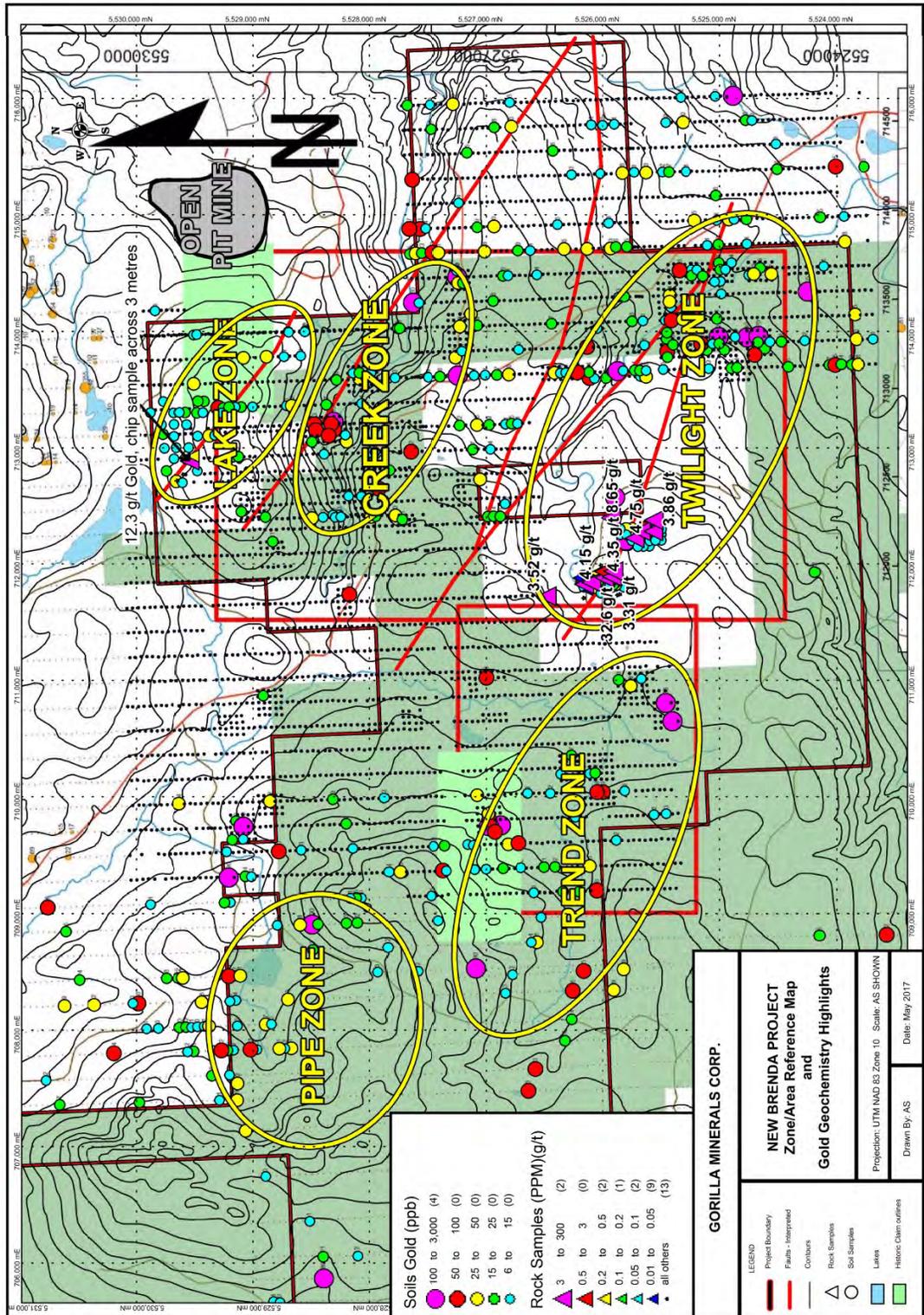


Figure 8: Zone Area Reference Map

Maps showing concentrations of Ag, Au, Cu and Mo in soils are included below.

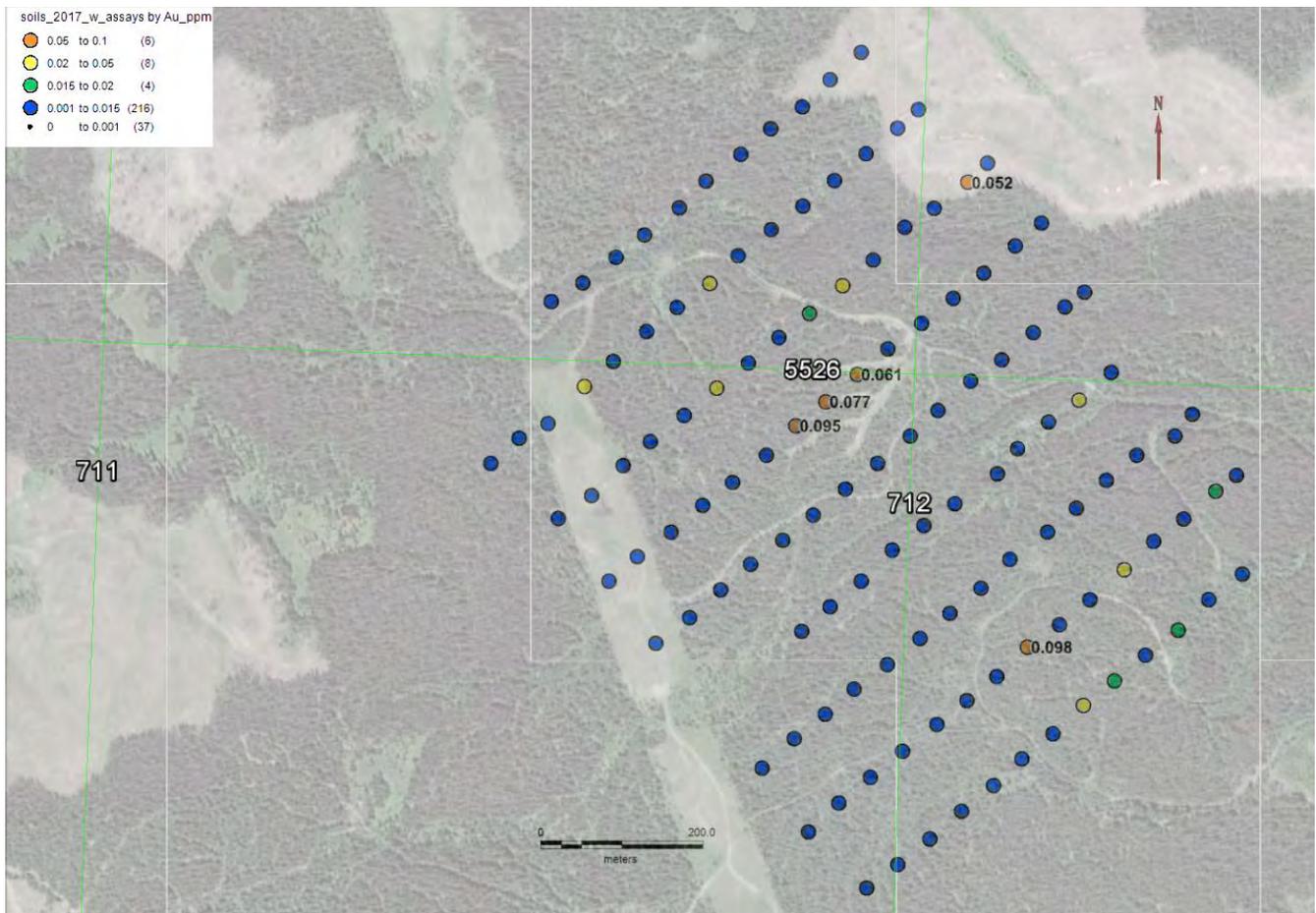


Figure 9: Au in soils in Twilight zone the legend for gold concentration is in upper left of map. (green lines are 1km UTM lines, large white #'s are UTM (1,000m), white lines are claim lines black #'s are Au ppm)

Three contiguous samples are highly anomalous in gold occur in the central portion of the target area. There is also a E-W trending line of moderately anomalous samples extending from the central highly anomalous area to the west of the target area.

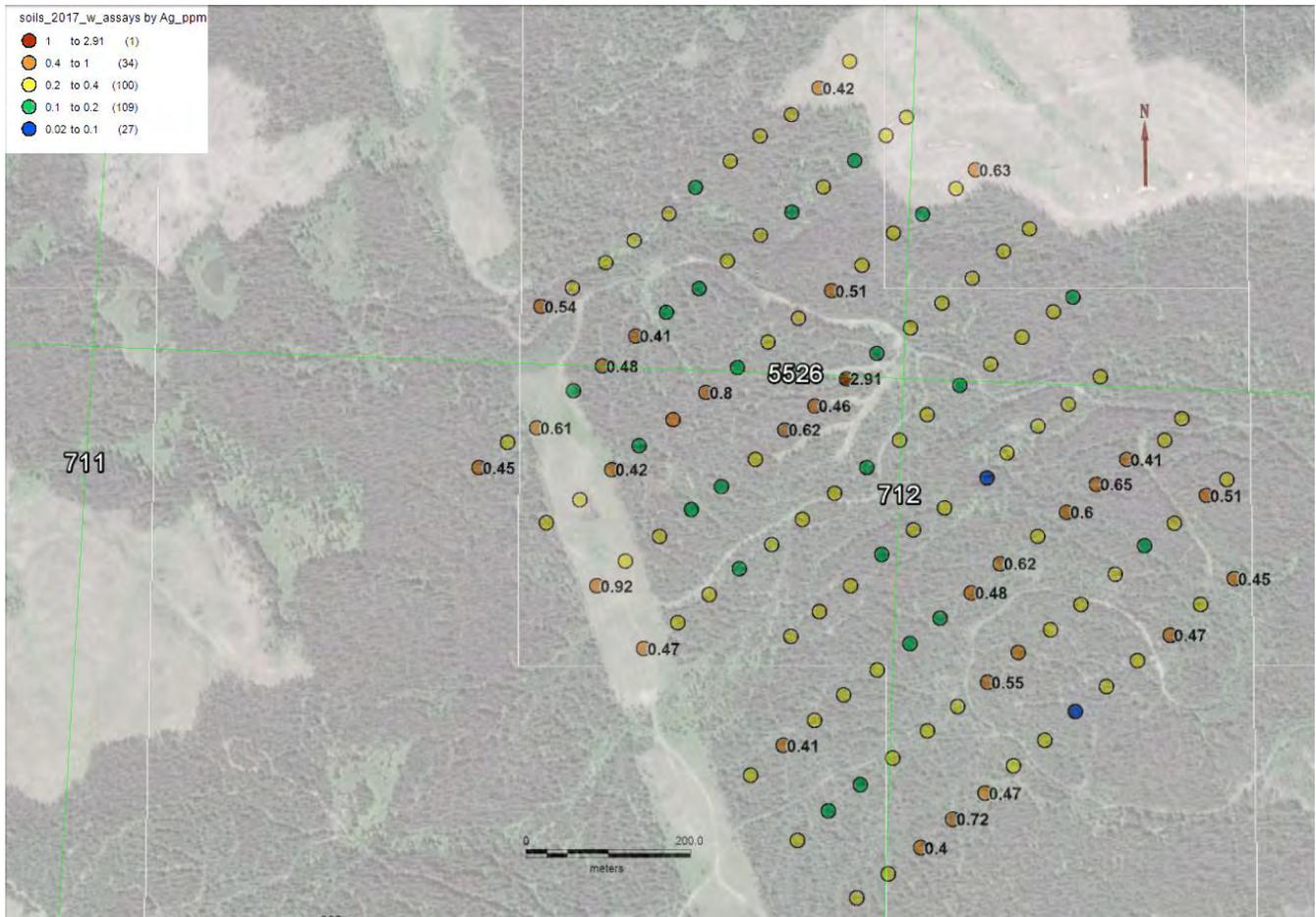


Figure 10: Ag in soils in Twilight zone the legend for silver concentration is in upper left of map. (green lines are 1km UTM lines, large white #'s are UTM (1,000m), white lines are claim lines black #'s are Ag ppm)

Three contiguous samples are highly anomalous in silver occur in the central portion of the target area. There is also a E-W trending line of moderately anomalous samples extending from the central highly anomalous area to the west of the target area. This is very similar to the Au in soils.

At the south end of the target is an inverted “U” shaped series of highly anomalous soil samples. This is quite a large target, 600m X 500m and is open to the south.

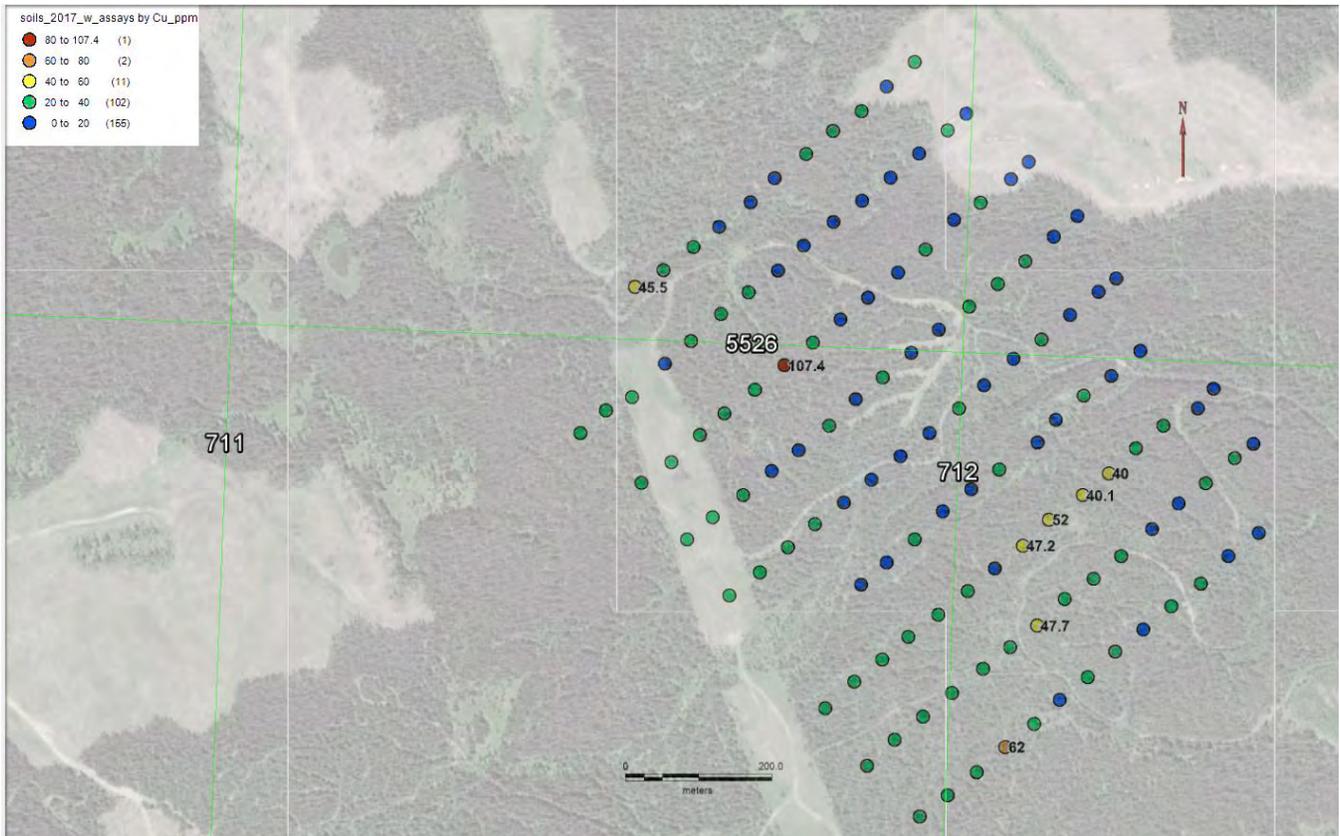


Figure 11: Cu in soils in Twilight zone the legend for copper concentration is in upper left of map. (green lines are 1km UTM lines, large white #'s are UTM (1,000m), white lines are claim lines black #'s are Cu ppm)

At the south end of the target is a series of highly anomalous soil samples. This line is coincident with the Ag anomaly discussed above.

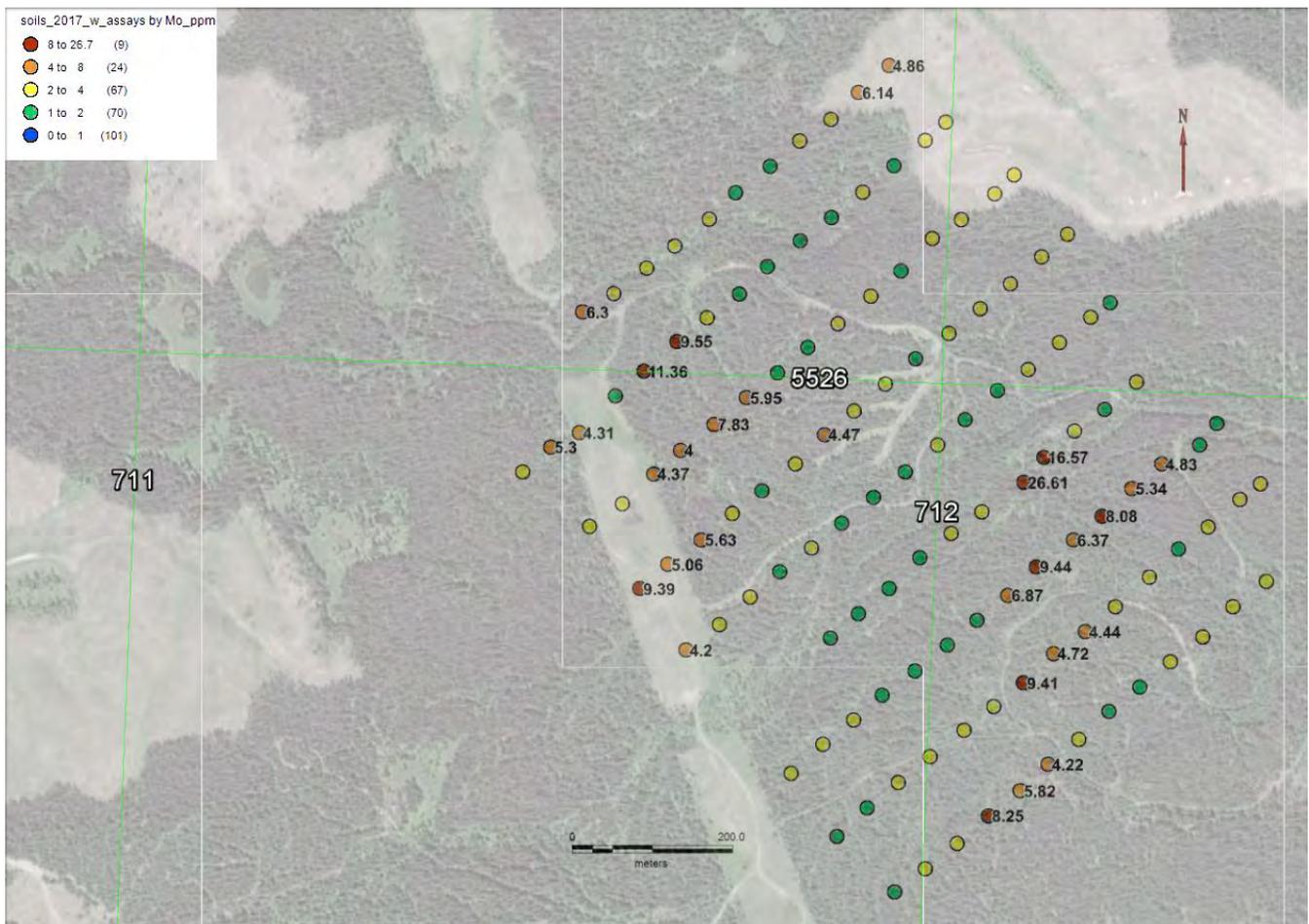


Figure 12: Mo in soils in Twilight zone the legend for molybdenum concentration is in upper left of map. (green lines are 1km UTM lines, large white #'s are UTM (1,000m), white lines are claim lines black #'s are Mo ppm)

There is a cluster of anomalous soil samples in the NW quadrant of the target. The exact shape is unclear. The anomalous Mo samples seem to rim the soils anomalous in Au. At the south end of the target is a series of highly anomalous soil samples. The shape of the anomalous Mo samples seems to be geographically coincident with the Ag anomaly discussed above.

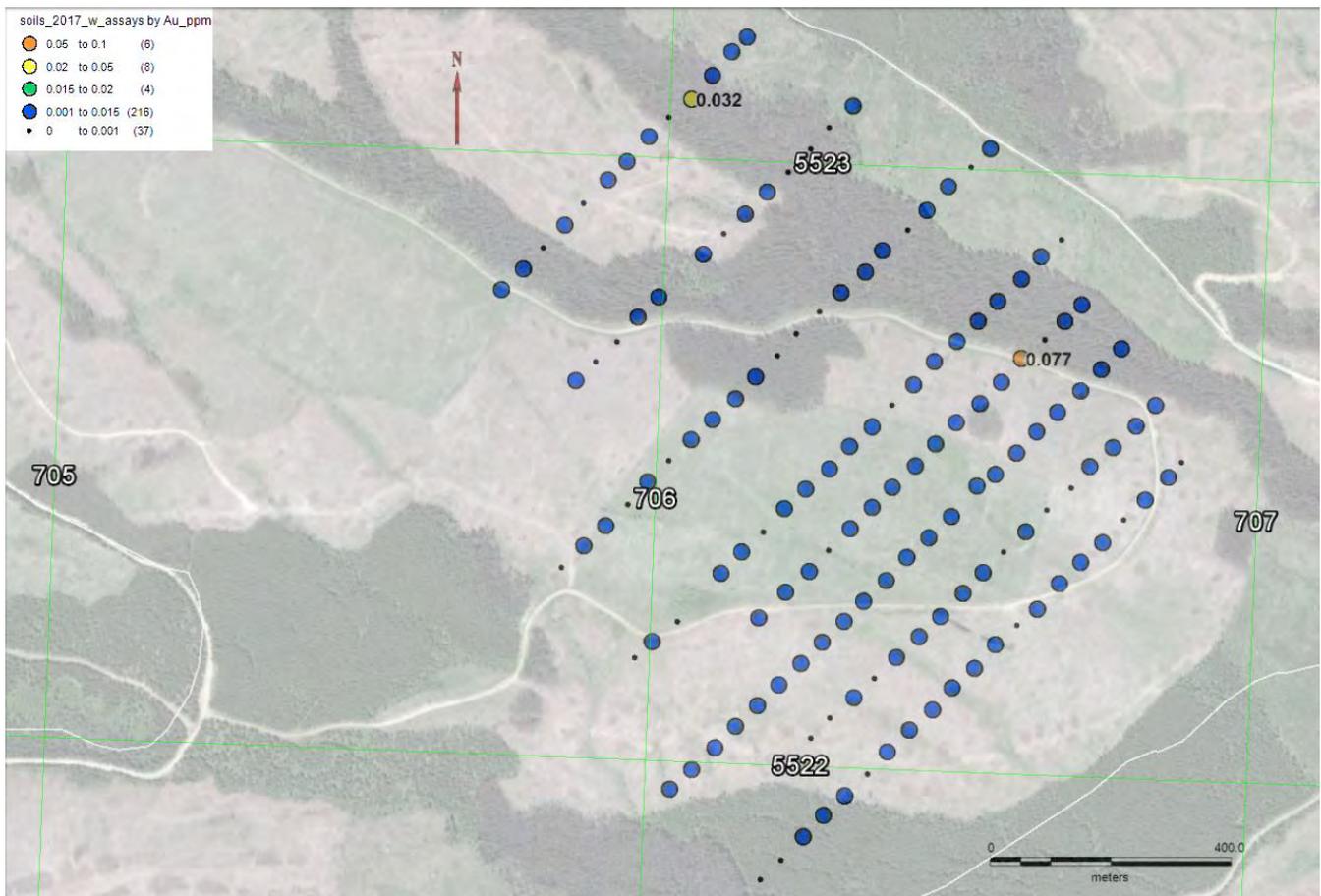


Figure 13: Au in soils in Silverback zone the legend for gold concentration is in upper left of map. (green lines are 1km UTM lines, large white #'s are UTM (1,000m), white lines are claim lines black #'s are Au ppm)

There is no strong clustering of soils anomalous in Au.

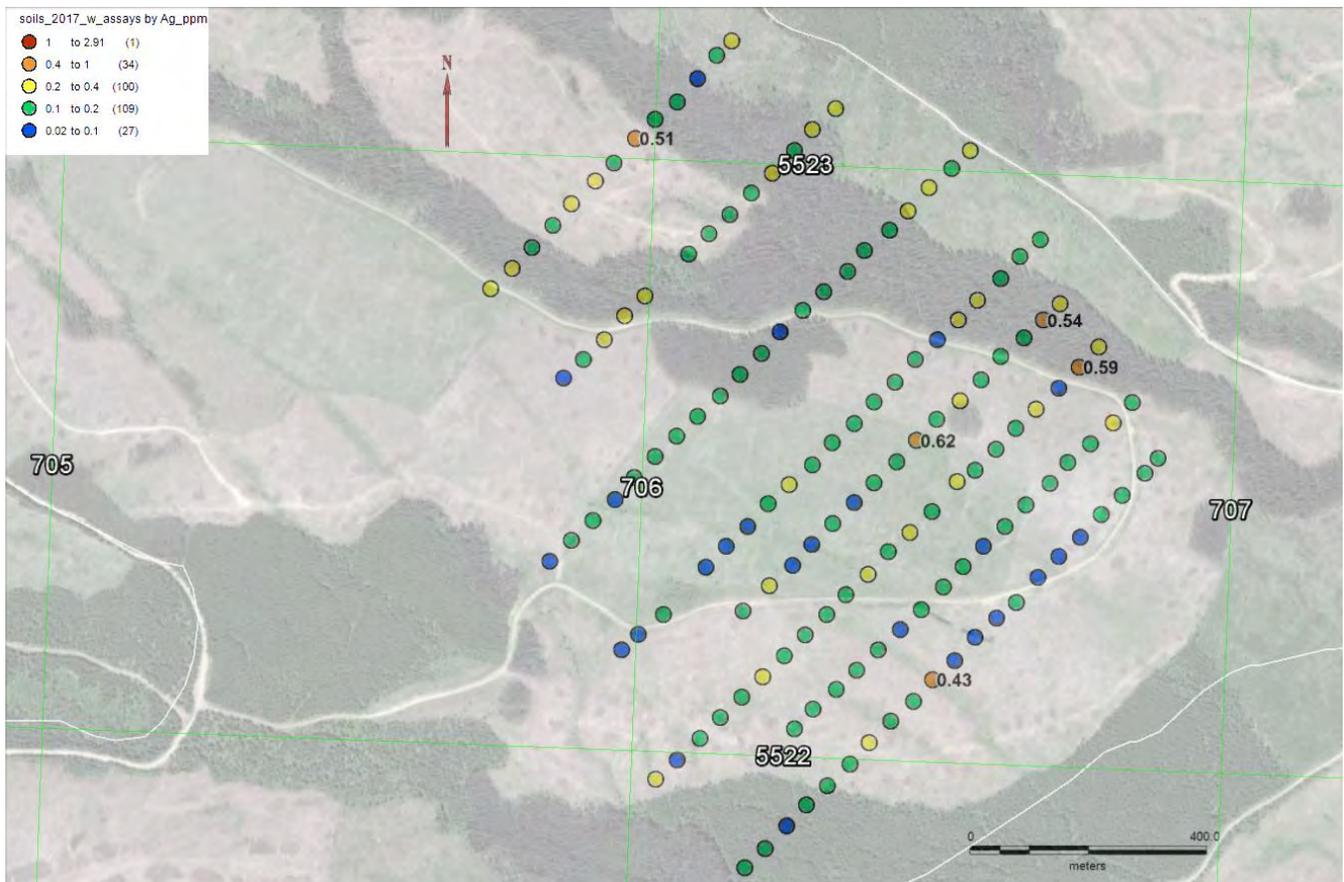


Figure 14: Ag in soils in Silverback zone the legend for silver concentration is in upper left of map. (green lines are 1km UTM lines, large white #'s are UTM (1,000m), white lines are claim lines black #'s are Ag ppm)

There is line of soils anomalous ( $>0.2$  ppm) in Ag in a NW-SE line at the eastern edge of the target. Portions of this area is also anomalous in Cu and Mo. This line does seem to be spatially associated with the wooded area which corresponds to a creek (possible fault?). Also note that the 0.62g/t Ag sample is also anomalous in Cu and Mo.

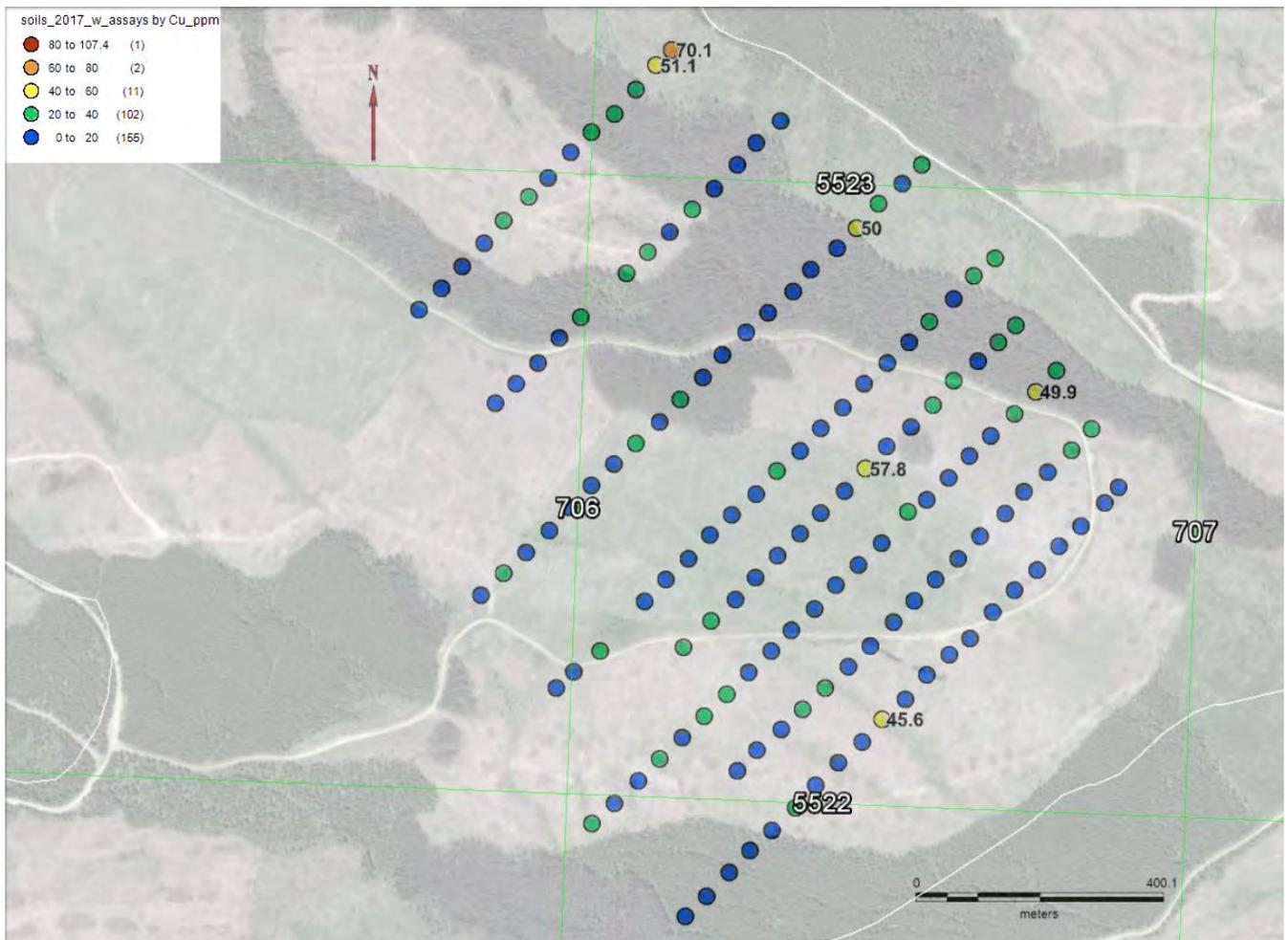


Figure 15: Cu in soils in Silverback zone the legend for copper concentration is in upper left of map. (green lines are 1km UTM lines, large white #'s are UTM (1,000m), white lines are claim lines black #'s are Cu ppm)

There is broken line of soils anomalous (>49 ppm) in Cu in a NW-SE line at the eastern edge of the target.

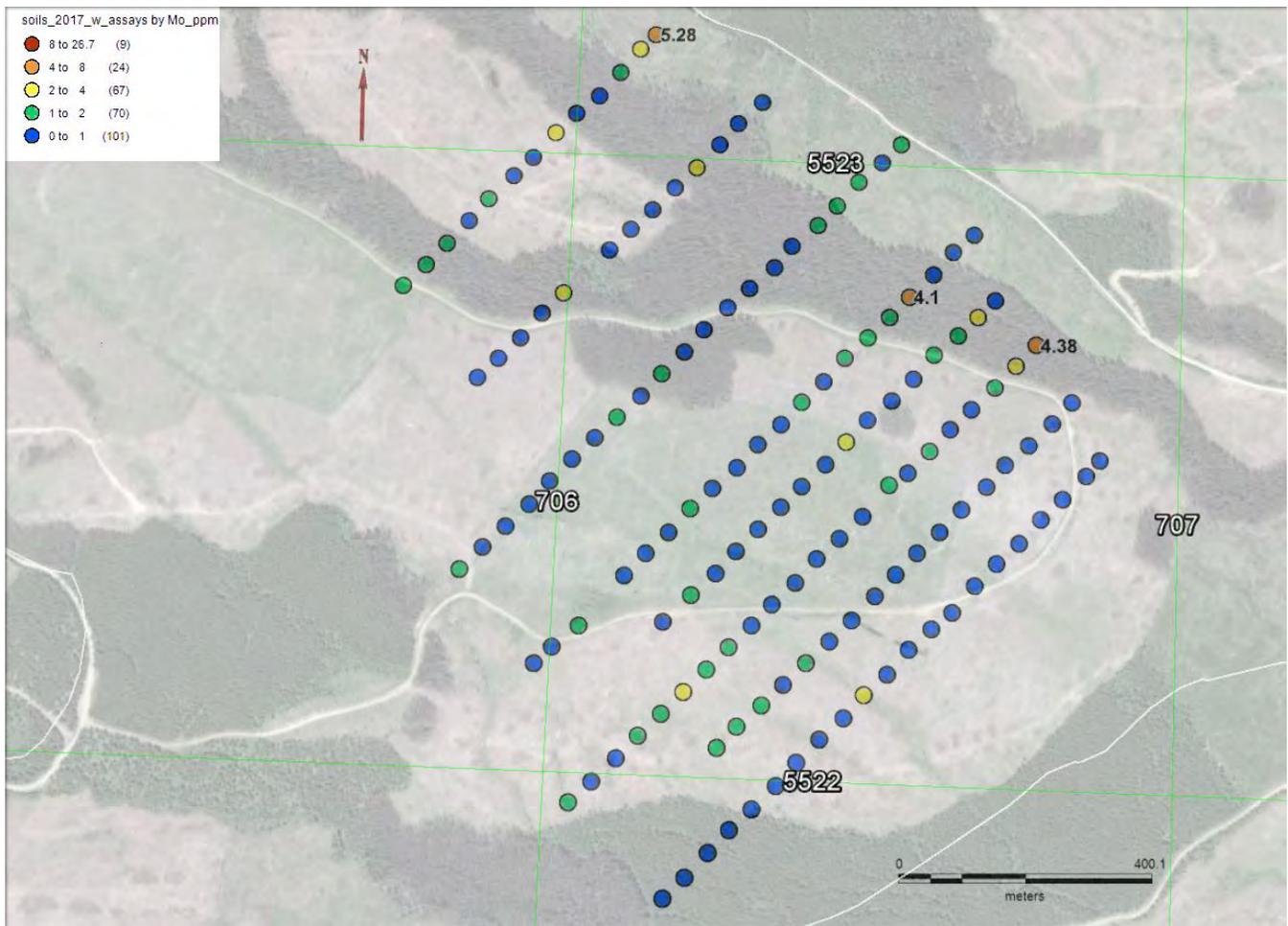


Figure 16: Mo in soils in Silverback zone the legend for molybdenum concentration is in upper left of map. (green lines are 1km UTM lines, large white #'s are UTM (1,000m), white lines are claim lines black #'s are Mo ppm)

There is broken line of soils anomalous (>2 ppm) in Mo in a NW-SE line at the eastern edge of the target.

## Rocks

A prospecting program was carried out at the same time as the soil sampling program. 15 rock samples were taken. The location of the samples was determined using hand held GPS units, accurate to within +/- 5m. The samples were sent to MS Analytical Labs in Langley BC for analysis. The samples are dried, crushed to 70% passing 2mm, Split to 250g, Pulverized to 85% passing 75µm. Au content was determined by Fire Assay (30g fusion, AAS). Concentration of other elements were determined using 0.5g, dissolved in 3:1 Aqua Regia, using ICP-AES. See appendix for detection levels of each element analyzed for.

Maps showing the location and concentrations of Au, Ag, Cu and Mo are included below. Most samples were taken in the “trenches” area discussed in the soils section above. Each element has two maps, one a detailed map showing the trench samples only and a second map showing all samples taken on the property.

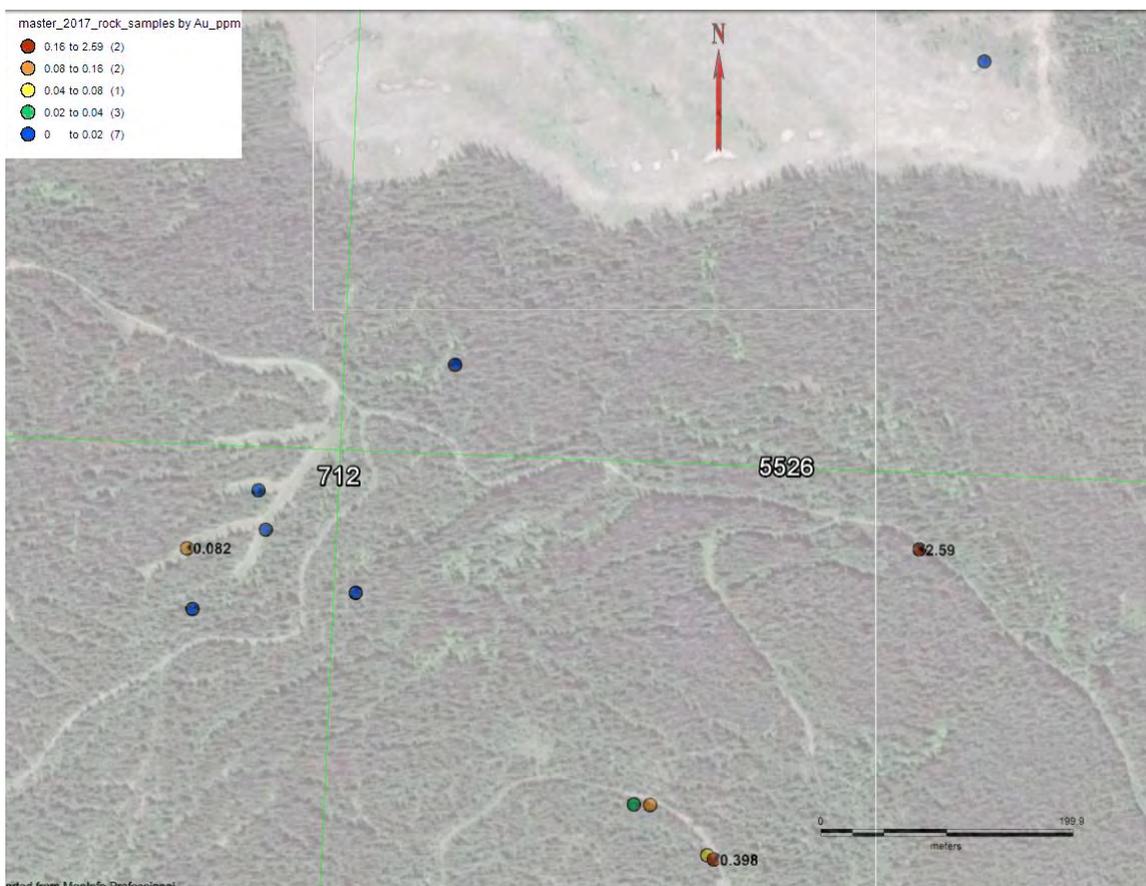
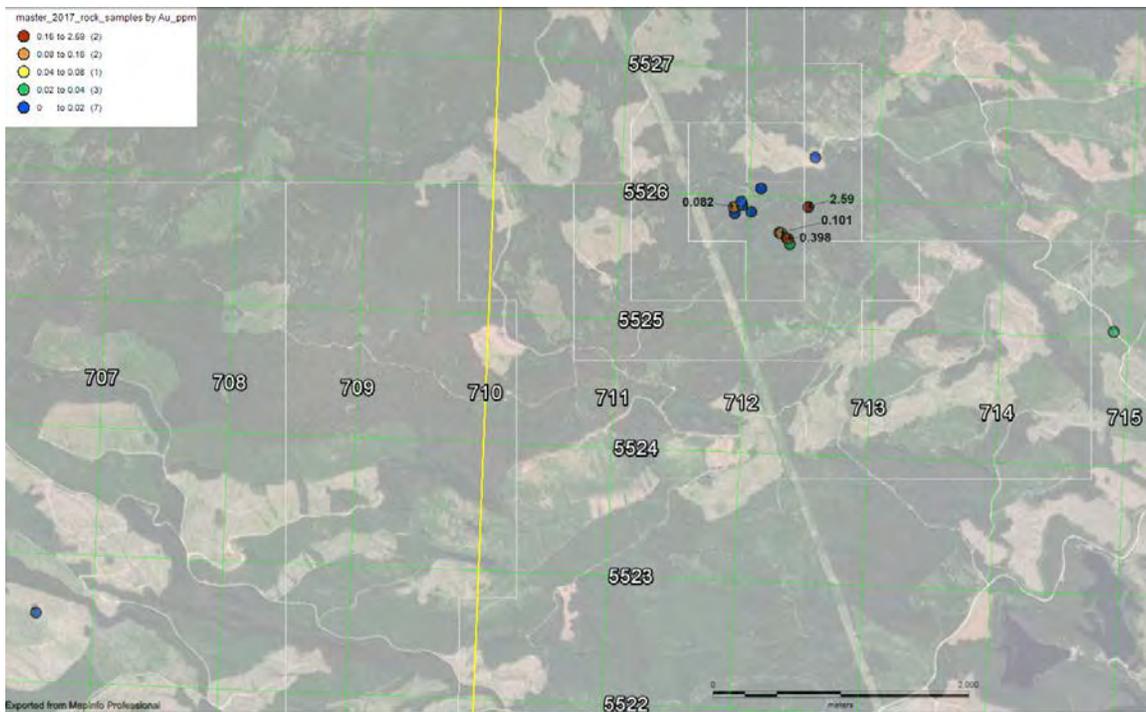


Figure 17: (upper = regional) (lower = Twilight zone) Au in Rock samples. The legend for gold concentration is in upper left of maps. (yellow and green lines are 1km UTM lines, large white #'s are UTM (1,000m), white lines are claim lines, black #'s are Au ppm

### Au in rock samples

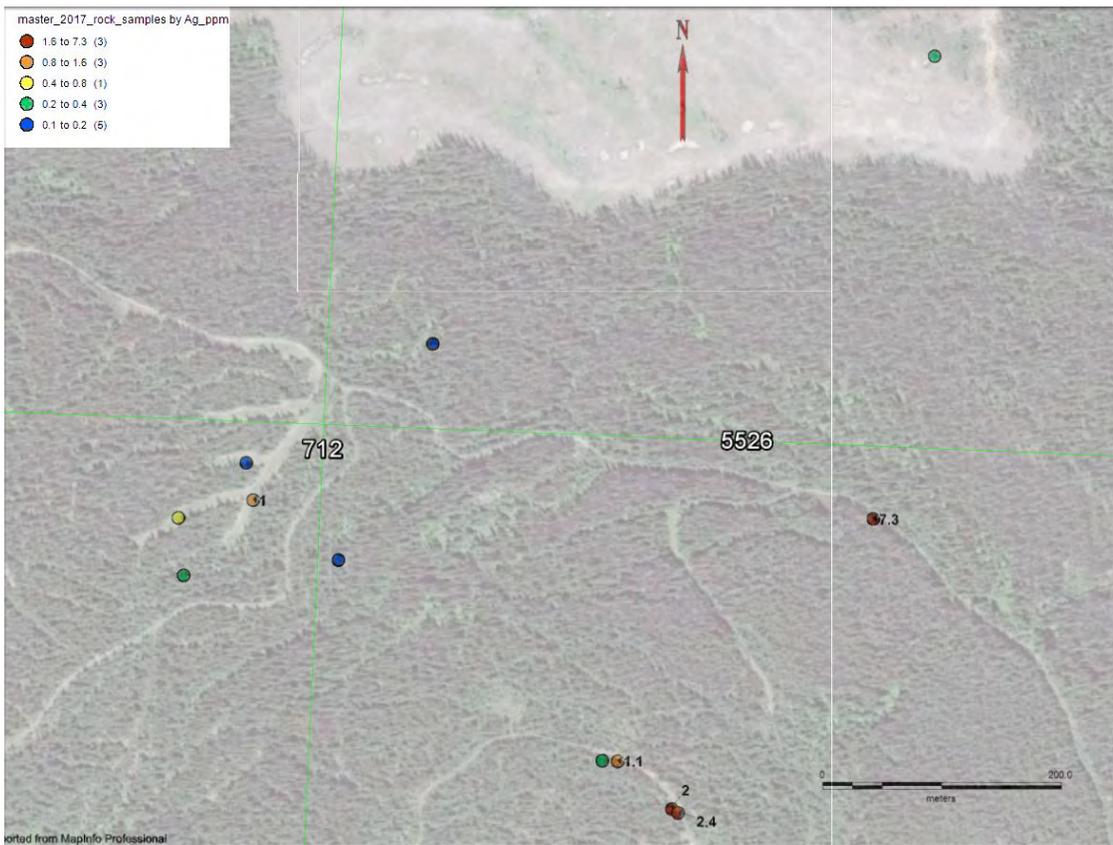
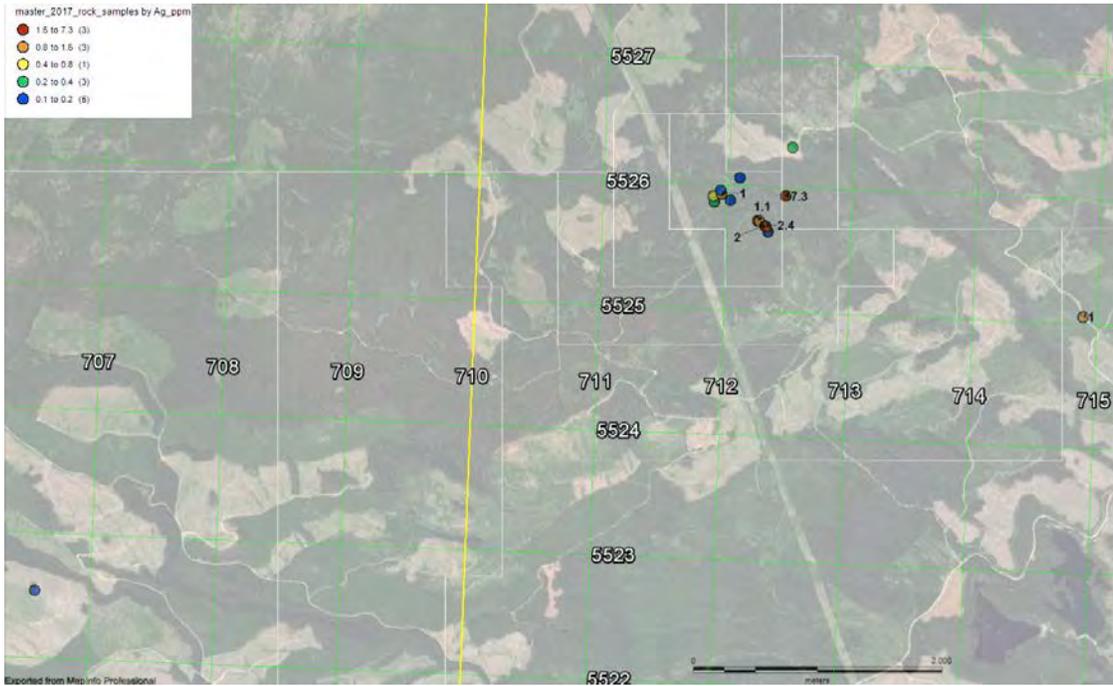


Figure 18: (upper = regional) (lower = Twilight zone) Ag in Rock samples the legend for silver concentration is in upper left of maps. (yellow and green lines are 1km UTM lines, large white #'s are UTM (1,000m), white lines are claim lines black #'s are Ag ppm)

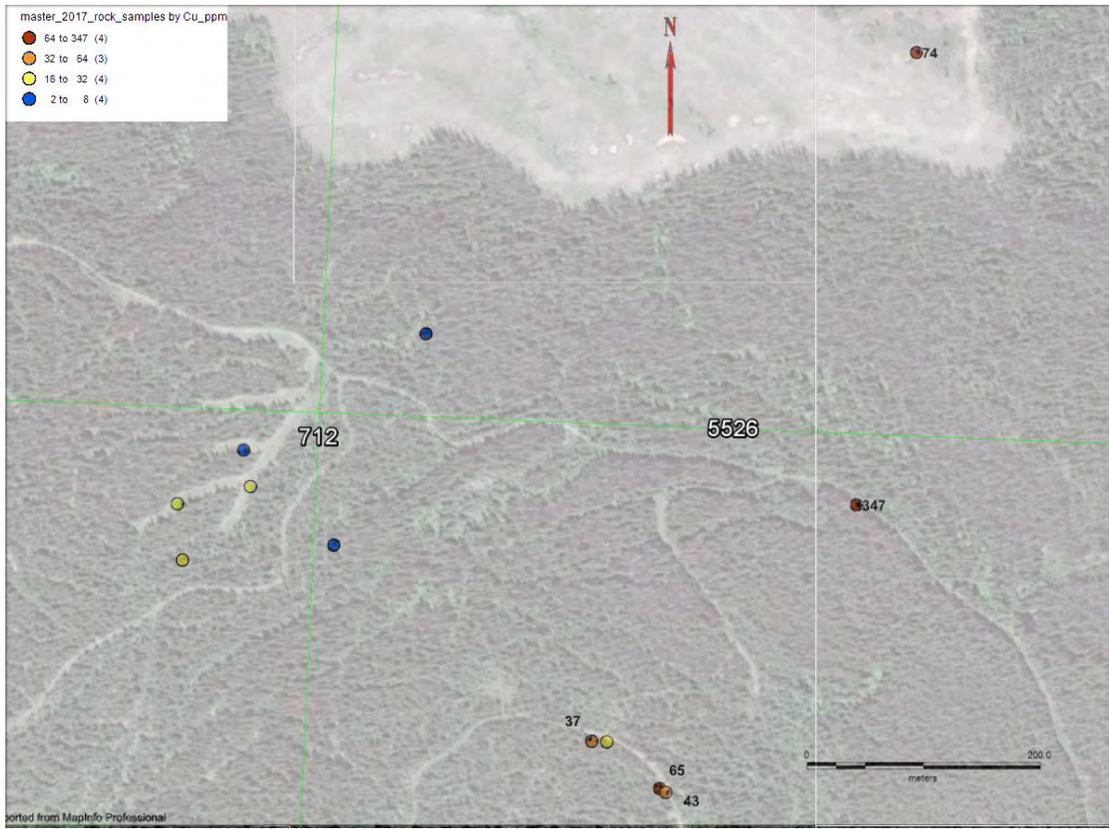


Figure 19: (upper = regional) (lower = Twilight zone) Cu in Rock samples the legend for copper concentration is in upper left of maps. (yellow and green lines are 1km UTM lines, large white #'s are UTM (1,000m), white lines are claim lines black #'s are Cu ppm.

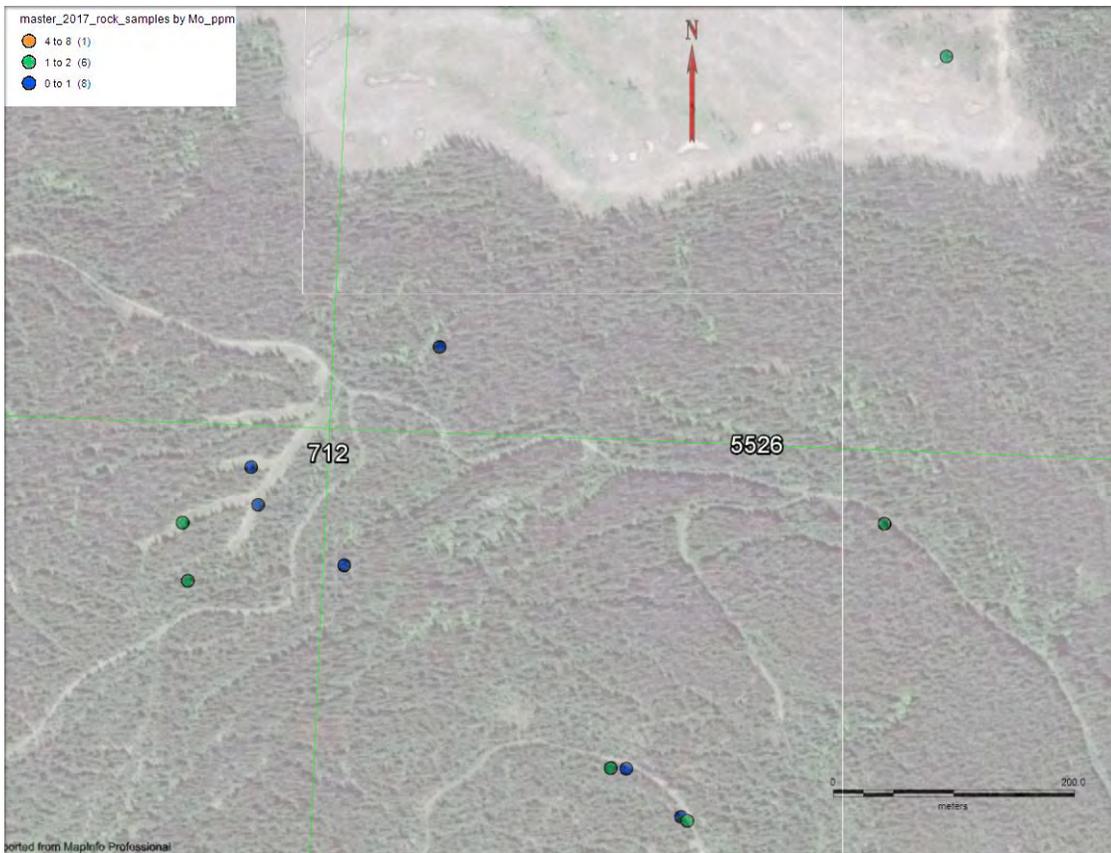
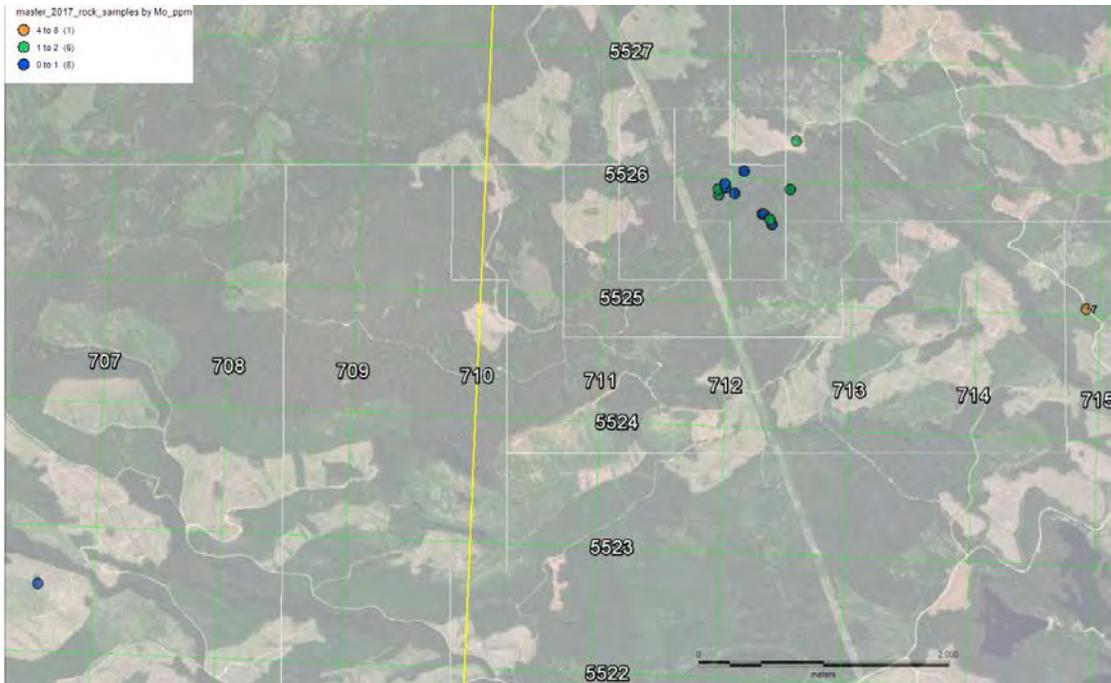


Figure 20: (upper = regional) (lower = Twilight zone) Mo in Rock samples the legend for moly concentration is in upper left of maps. (yellow and green lines are 1km UTM lines, large white #'s are UTM (1,000m), white lines are claim lines black #'s are Mo ppm.

## 10 Drilling

In 1995, five short diamond drill holes totaling 124.05 m (407 ft.) were completed in the trench area by Brenda Lake on the Northeastern portion of the current Brenda Property. Several quartz-calcite veins up to 35 cm wide were intersected, but no significant gold values greater than 0.65 g/ton were returned. Reclamation of all trench and drill sites was carried out (Balon, 1996, AR#25043).

## 11 Sample Verification, Analysis and Security

### Sample verification:

MS Analytical Laboratory was selected to analyze the samples. MS Analytical is ISO 17025:2005 accredited lab. Sampling quality assurance/quality control (QA/QC) for the 2017 prospecting / soils program consisted of inserting 1 blank sample or field duplicate within each group of 20 samples. MS Analytical's QAQC procedures consisted of introducing a variety of standards and blanks and completing normal run pulp and preparation duplicates. A discussion of lab procedures and field/lab standards documentation is located in Appendix B. The blank material used (for both soil and rock) was a concrete mix purchased from Home Depot. The high concentration of Ca made it easy to distinguish from other materials. It is unfortunate that the product, unexpectedly has elevated but consistent levels of Cu and Ag.

Soils: a total of 271 non QA/QC samples were taken.

#### Field QA/QC

3 duplicates  
11 blanks

#### Lab

6 duplicates  
6 blanks  
6 standards

#### Total QA/QC

9 duplicates  
17 blanks  
6 standards  
**32 total**

Rocks: a total of 15 non QA/QC samples were taken

#### Field QA/QC

1 blank

#### Lab

3 duplicates  
4 blanks  
3 standards  
Total QA/QC  
3 duplicates  
4 blanks  
3 standards  
10 total

### **Discussion:**

The QA/QC was generally good. Nearly all the assays returned with +/- 95% confidence levels. The duplicate samples were very good. The blanks were excellent except for the unexpected high copper and moderate Ag values in the cement purchased from Home Depot. The copper and silver values from the cement were consistent suggesting that the cement actually has elevated Cu / Ag values.

### **Analysis:**

**Soils samples** were dried and then screened (80 mesh) to remove larger particles, rocks or vegetative matter. The -80 mesh was analyzed. The prepared homogeneous sample was weighed and digested under heat with a mixture of hydrochloric acid, nitric acid, and deionized water. Upon completion of the digestion step, the sample was made up to volume. This sample solution was then analyzed by Inductively Coupled Plasma Emission Spectrometry and Inductively Coupled Plasma Mass Spectrometry.

**Rock samples** were crushed to 70% passing 2mm, then a representative split was taken and pulverized to 85% passing 75micron. Multi-Element analysis was performed using by Aqua Regia, ICP-AES (33 elements) Trace Level and a 30 gram Fire Assay and AAS finish.

### **Security:**

Samples were taken from the field and locked in the cabin at base camp. Samples were transported in the Author's truck to his home then to the lab the first day it was open for business.

## **12 Data Verification**

The primary author and Qualified Person has examined and verified the digital soil and rock geochemistry data provided by Gorilla. This was accomplished by plotting the digital data in a GIS workspace (MapInfo™) and comparing the digital data to those presented in Assessment Reports found in the BC Ministry of Energy and Mines Assessment Report Indexing System (ARIS). Assessment reports for the property can be found at <http://aris.empr.gov.bc.ca/> (search term: "Pen", "Crest", "Siwash", "Ravencrest"). Data sets verified include soil geochemistry grid sample and trench locations, historical gold assays. The QP concluded that the data contained assay database obtained from Gorilla is reasonably accurate, and match the historical records publicly available. As such, the accuracy and precision of historical assays cannot be verified, but the QP is satisfied that historical lab results were reasonably accurate and precise for the time, and that assays were performed by accredited

analytical laboratories (e.g. Min-En Labs). The QP has no reason to believe that any of the historical results are misleading or erroneous.

### **13 Mineral Processing and Metallurgical Testing**

No mineral processing or metallurgical testing analyses have been carried out on the New Brenda property to date.

### **14 Mineral Resource Estimates**

No known mineral resources or mineral reserves of any category exist on the New Brenda property.

### **15 Adjacent Properties**

New Brenda is located between two past producing mines the Elk/Siwash Mine immediately west and the Brenda Copper – Moly mine immediately to the east.

### **16 Other Relevant Data and Information**

All relevant data and information regarding the New Brenda Property and exploration in Southern BC is included in other sections of this report.

### **17 Interpretation and Conclusion**

The soil sampling program points to several areas that warrant follow up. There are several areas of multi-element multi-station anomalies. See section 9 for details regarding location and strength of anomalies. These anomalies should be followed up with more detailed soils and perhaps trenching where practical (riparian zones may not be amenable to trenching).

The rock sampling program has uncovered a couple of worthwhile targets to follow up. Detailed mapping and perhaps a limited trenching program should be undertaken to better understand the extent of this mineralization.

### **18 Recommendations**

The New Brenda Property is situated between a past producing Cu mine and a high grade past producing Au mine. The rock units associated with both mines are well represented on the New Brenda property. This alone qualifies the property as being prospective for both deposit types. The presence of high grade mineralization both

in float (i.e. 8.534 oz/ton gold, 35.72 oz/ton silver) and in trenches increases the prospectivity of the property. The results from the analysis of soils and rocks sampled in 2017 indicate that potentially economic mineralization is present on the property. Further work should be conducted in two stages as follows:

Table 4: Proposed Two Phase Budget for the New Brenda Project

Item	Rate	Multiple	Day (s)	Item Cost	Combined Totals	Comments
<b>PHASE 1</b>						
<b>Project Planning</b>						
Geologist	\$ 450.00	1	5	\$ 2,250.00	\$ 2,250.00	
Permitting	\$ 450.00	1	5	\$ 2,250.00	\$ 4,500.00	
Totals				\$ 4,500.00	\$ 4,500.00	
<b>Geophysics</b>						
Induced Polarization	\$ 2,000.00	20	1	\$ 40,000.00	\$ 44,500.00	Total for 5 lines at 4 kilometres each
Mob/Demob	\$ 10,000.00	1	1	\$ 10,000.00	\$ 54,500.00	Based on previous contract rates
Totals				\$ 50,000.00	\$ 54,500.00	
<b>Soil Sampling, Mapping and Prospecting</b>						
Crew	\$ 400.00	2	10	\$ 8,000.00	\$ 62,500.00	
Geologist	\$ 650.00	1	10	\$ 6,500.00	\$ 69,000.00	
Camp Costs	\$ 200.00	3	10	\$ 6,000.00	\$ 75,000.00	Room and board staying at local fishing cabins.
Sample Analysis	\$ 20.00	500	1	\$ 10,000.00	\$ 85,000.00	
Totals				\$ 30,500.00	\$ 85,000.00	
<b>Trenching</b>						
Geologist	\$ 650.00	1	8	\$ 5,200.00	\$ 90,200.00	
Crew	\$ 400.00	1	8	\$ 3,200.00	\$ 93,400.00	
Small Excavator	\$ 450.00	1	8	\$ 3,600.00	\$ 97,000.00	
Camp Costs	\$ 200.00	2	8	\$ 3,200.00	\$ 100,200.00	Room and board staying at local fishing cabins.
Totals				\$ 15,200.00	\$ 100,200.00	

<b>PHASE 1 PROGRAM TOTAL</b>						<b>\$ 100,200.00</b>
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Item	Rate	Multiple	Days	Cost	Combined Totals	Comments
<b>PHASE 2</b>						
<b>Project Planning</b>						
Geologist	\$ 450.00	1	10	\$ 4,500.00	\$ 4,500.00	Office Rate
Permitting	\$ 450.00	1	5	\$ 2,250.00	\$ 6,750.00	Office Rate
Totals				\$ 6,750.00	\$ 6,750.00	
<b>Drilling Program</b>						
Geologist	\$ 650.00	2	30	\$ 39,000.00	\$ 45,750.00	
Drilling Costs	\$ 275.00	400	1	\$ 110,000.00	\$ 155,750.00	400m program in 4 - 6 shallow holes (cost per m)
Camp Costs	\$ 200.00	6	30	\$ 36,000.00	\$ 191,750.00	Room and board staying at local fishing cabins.
Mob/Demob	\$ 10,000.00	1	1	\$ 10,000.00	\$ 201,750.00	
Totals				\$ 195,000.00	\$ 201,750.00	
<b>PHASE 2 PROGRAM TOTAL</b>					<b>\$ 201,750.00</b>	

The approximate totals for phase 1 and 2 programs are \$100,200 CAD and \$201,750 CAD respectively for a combined total of \$301,950 CAD.

## 19 References

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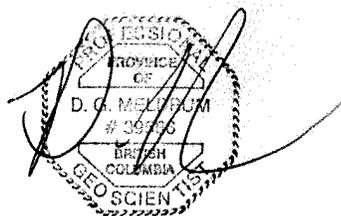
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## 20 Statement of Qualifications

I, Dan Meldrum, do hereby certify that:

1. I am a professional geoscientist residing at 1820 Mary Hill Road, Port Coquitlam, B.C., Canada;
2. I have authored the report entitled "43-101 Technical Report on the New Brenda Property" on the effective date of August 1<sup>st</sup>, 2017. The report is based on a review of recent exploration carried out on the Property as well as a review of the compilation of historical data;
3. I have a Masters of Science degree in Earth and Atmospheric Sciences from The University of Alberta, 2009. I am a Licensed Professional Geoscientist (P. Geo.) in good standing with the Association of Professional Engineers and Geoscientists of British Columbia. I have experience in exploration and mining operations in Canada, USA, Mexico, Vietnam, Laos, Russia, China, and Mongolia and am a qualified person for the purposes of NI 43-101;
4. I have completed a personal inspection of the New Brenda property;
5. I am responsible for all items of this technical report;
6. I am independent of the issuer using the definition in Section 1.5 of National Instrument 43-101;
7. I have had no prior involvement with the property that is the subject of this report;
8. I have read NI 43-101 and this technical report has been prepared in compliance with the NI 43-101 and Form 43-101F1 guidelines;
9. As of the effective date of this Report, to the best of my knowledge, information and belief, the Report contains all scientific and technical information that is required to be disclosed to make the Report not misleading.

Signed and dated at Vancouver, British Columbia, on the 1<sup>st</sup> day of August 2017.



Dan Meldrum M.Sc., P.Geo.

Appendix 1

Rock Assays



**MS Analytical**  
An AZ Global Company  
MS Analytical  
Unit 1, 20120 102nd Avenue  
Langley, BC V1M 4B4  
Phone: +1-604-888-0875

To: **Gorilla Minerals Corp.**  
2001-1050 Burrard St  
Vancouver, BC  
V6Z 2R9

**CERTIFICATE OF ANALYSIS: YVR1710585**

Project Name:  
Job Received Date: 04-Jul-2017  
Job Report Date: 27-Jul-2017  
Report Version: Final

**COMMENTS:**

Test results reported relate only to the samples as received by the laboratory. Unless otherwise stated above, sufficient sample was received for the methods requested and all samples were received in acceptable condition. Analytical results in unsigned reports marked "preliminary" are subject to change pending final QC review. Please refer to MS Analytical's Schedule of Services and Fees for our complete Terms and Conditions.

SAMPLE PREPARATION	
METHOD CODE	DESCRIPTION
PRP-910	Dry, Crush to 70% passing 2mm, Split 250g, Pulverize to 85% passing 75µm

ANALYTICAL METHODS	
METHOD CODE	DESCRIPTION
FAS-111	Au, Fire Assay, 30g fusion, AAS, Trace Level
ICP-130	Multi-Element, 0.5g, 3:1 Aqua Regia, ICP-AES, Trace Level



**Signature:**  
Jimbo Zheng BSc., PChem, BC Certified Assayer  
Senior Analytical Chemist  
MS Analytical



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Project Name:  
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Sample ID	Sample Type	PWE-100 Rec. Wt. kg	Method Analyte Units LOR	FAS-111	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130	ICP-130
				Au ppm 0.005	Ag ppm 0.2	Al % 0.01	As ppm 2	B ppm 10	Ba ppm 10	Be ppm 0.5	Bi ppm 2	Ca % 0.01	Cd ppm 0.5
Granite Blank	QC-P-BK	--		<0.005	1.3	1.37	22	16	93	<0.5	<2	0.86	2.2
Granite Blank	QC-P-BK	--		<0.005	0.3	1.39	6	13	94	<0.5	<2	0.85	<0.5
D-01	Rock	0.56		<0.005	<0.2	0.45	6	<10	46	<0.5	<2	0.10	0.5
D-02	Rock	0.43		<0.005	<0.2	0.41	<2	11	73	<0.5	<2	0.45	<0.5
D-03	Rock	0.91		<0.005	0.2	0.35	5	<10	41	<0.5	<2	0.50	<0.5
D-03PD	QC-PD	--		0.006	<0.2	0.94	<2	<10	38	<0.5	<2	0.50	<0.5
D-04	Rock	0.68		0.082	0.6	0.50	16	<10	83	<0.5	<2	0.06	<0.5
D-05	Rock	1.58		0.011	1.0	0.23	<2	<10	33	<0.5	2	0.06	0.7
D-06	Rock	1.34		<0.005	0.4	1.42	6	18	227	<0.5	<2	5.35	<0.5
D-07	Rock	0.93		0.017	<0.2	0.50	4	<10	71	<0.5	<2	0.31	<0.5
D-08	Rock	1.97		<0.005	0.3	1.29	<2	28	64	<0.5	4	1.33	<0.5
D-09	Rock	0.98		2.590	7.3	0.38	5	<10	16	<0.5	22	0.07	<0.5
D-10	Rock	1.22		0.028	0.3	0.87	11	<10	122	<0.5	<2	0.18	<0.5
D-11	Rock	2.40		0.101	1.1	0.41	45	<10	54	<0.5	<2	0.14	0.6
D-12	Rock	0.99		0.079	2.0	0.46	9	<10	42	<0.5	4	0.52	6.1
D-13	Rock	1.96		0.008	<0.2	2.64	<2	<10	27	<0.5	<2	2.53	<0.5
D-14	Rock	1.92		0.022	1.0	3.11	42	<10	16	1.5	<2	3.30	1.4
D-15	Rock	1.38		0.034	<0.2	1.15	<2	<10	78	<0.5	<2	0.16	<0.5
D-16	Rock	1.63		0.398	2.4	0.55	903	<10	49	<0.5	2	0.12	0.8



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Project Name:  
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Sample ID	Sample Type	PWE-100 Rec. Wt. kg	Method Analyte Units LOR	FAS-111 Au ppm 0.005	ICP-130 Ag ppm 0.2	ICP-130 Al % 0.01	ICP-130 As ppm 2	ICP-130 B ppm 10	ICP-130 Ba ppm 10	ICP-130 Be ppm 0.5	ICP-130 Bi ppm 2	ICP-130 Ca % 0.01	ICP-130 Cd ppm 0.5
DUP D-06				<0.005									
DUP D-10					0.3	0.86	11	<10	122	<0.5	<2	0.18	<0.5
STD BLANK				<0.005	<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5
STD BLANK													
STD OXF125				0.752									
STD OREAS 24b					<0.2	2.91	5	<10	147	1.5	<2	0.48	<0.5



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**CERTIFICATE OF ANALYSIS: YVR1710585**

Project Name:  
Job Received Date: 04-Jul-2017  
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Report Version: Final

Sample ID	ICP-130 Co ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1
Granite Blank	7	16	11	2.28	<10	<1	0.26	<10	0.72	417	<1	0.15	6
Granite Blank	7	15	11	2.26	<10	<1	0.26	<10	0.71	407	<1	0.16	6
D-01	1	21	3	1.16	<10	<1	0.16	<10	0.10	120	<1	0.07	1
D-02	<1	8	4	1.38	<10	<1	0.15	<10	0.13	158	<1	0.07	<1
D-03	1	17	20	1.49	<10	<1	0.14	<10	0.11	241	1	0.09	1
D-03PD	<1	15	21	1.50	<10	<1	0.13	<10	0.11	242	<1	0.09	<1
D-04	1	9	22	1.53	<10	<1	0.22	<10	0.19	72	1	0.06	<1
D-05	1	12	21	1.08	<10	<1	0.11	<10	0.02	82	<1	0.06	<1
D-06	8	31	46	2.22	<10	<1	0.13	<10	0.68	384	2	0.11	19
D-07	2	19	7	1.54	<10	<1	0.16	<10	0.12	289	<1	0.09	1
D-08	15	7	74	4.45	11	<1	0.34	<10	0.85	622	1	0.12	7
D-09	49	21	347	13.51	17	<1	0.10	<10	0.16	228	1	0.02	31
D-10	3	7	37	2.53	<10	<1	0.46	<10	0.36	135	1	0.07	3
D-11	<1	5	18	1.11	<10	<1	0.12	<10	0.06	75	<1	0.07	<1
D-12	1	8	65	1.81	<10	<1	0.15	<10	0.12	284	<1	0.06	3
D-13	37	232	32	5.64	13	<1	0.02	<10	3.39	1034	<1	0.05	137
D-14	13	82	71	4.56	17	<1	0.03	<10	1.20	439	2	0.02	54
D-15	3	4	2	2.44	<10	<1	0.27	<10	0.35	248	<1	0.05	3
D-16	3	4	43	1.72	<10	<1	0.18	<10	0.10	144	1	0.05	<1



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Sample ID	ICP-130 Cd ppm 1	ICP-130 Cr ppm 1	ICP-130 Cu ppm 1	ICP-130 Fe % 0.01	ICP-130 Ga ppm 10	ICP-130 Hg ppm 1	ICP-130 K % 0.01	ICP-130 La ppm 10	ICP-130 Mg % 0.01	ICP-130 Mn ppm 5	ICP-130 Mo ppm 1	ICP-130 Na % 0.01	ICP-130 Ni ppm 1
DUP D-06	3	41	38	2.53	<10	<1	0.46	<10	0.35	136	1	0.07	17
DUP D-10													
STD BLANK	<1	<1	<1	<0.01	<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1
STD QXF125													
STD DREAS 24b	15	109	36	3.93	14	<1	1.08	18	1.41	344	3	0.10	54



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Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
Granite Blank	482	135	0.02	50	4	60	<8	0.14	<10	50	<10	166	<5
Granite Blank	493	31	<0.01	9	4	61	<8	0.14	<10	49	<10	75	<5
D-01	201	25	<0.01	10	3	4	<8	0.05	<10	4	<10	55	8
D-02	228	4	<0.01	<2	4	67	<8	0.07	<10	3	<10	39	<5
D-03	252	14	0.11	7	6	7	<8	0.13	<10	3	<10	60	<5
D-03PD	241	7	0.11	4	6	6	<8	0.13	<10	3	<10	54	<5
D-04	236	8	0.46	<2	5	4	<8	0.05	<10	12	<10	41	<5
D-05	146	24	0.34	<2	<2	4	<8	<0.01	<10	<1	<10	36	8
D-06	467	9	0.18	4	5	192	<8	0.13	<10	54	<10	156	16
D-07	195	5	0.05	<2	3	10	<8	0.01	<10	4	<10	51	<5
D-08	880	4	0.40	<2	11	20	<8	0.31	<10	138	<10	51	6
D-09	99	9	8.79	4	2	2	<8	0.07	<10	19	11	25	<5
D-10	384	7	0.31	<2	9	18	<8	0.13	<10	38	<10	49	<5
D-11	267	17	0.02	<2	4	8	<8	0.02	<10	5	<10	44	<5
D-12	427	150	0.34	<2	6	7	<8	0.12	<10	15	<10	298	6
D-13	793	5	<0.01	<2	8	24	<8	0.44	<10	152	<10	78	14
D-14	993	8	0.19	3	13	42	<8	0.11	<10	121	<10	173	9
D-15	252	4	<0.01	<2	5	18	<8	0.06	<10	20	<10	39	<5
D-16	282	23	0.10	<2	4	11	<8	0.02	<10	16	<10	49	<5



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**Vancouver, BC**  
**V6Z 2R9**

**CERTIFICATE OF ANALYSIS: YVR1710585**

Project Name:  
Job Received Date: 04-Jul-2017  
Job Report Date: 27-Jul-2017  
Report Version: Final

Sample ID	ICP-130 P ppm 10	ICP-130 Pb ppm 2	ICP-130 S % 0.01	ICP-130 Sb ppm 2	ICP-130 Sc ppm 2	ICP-130 Sr ppm 1	ICP-130 Th ppm 8	ICP-130 Ti % 0.01	ICP-130 Tl ppm 10	ICP-130 V ppm 1	ICP-130 W ppm 10	ICP-130 Zn ppm 1	ICP-130 Zr ppm 5
DUP D-06	363	5	0.31	3	9	19	<8	0.13	<10	38	<10	48	<5
DUP D-10													
STD BLANK	<10	<2	<0.01	<2	<2	<1	<8	<0.01	<10	<1	<10	<1	<5
STD BLANK													
STD OxF125													
STD OREAS 24b	621	12	0.19	<2	10	30	13	0.20	<10	79	<10	95	28

## Appendix 2 Location / Description Rock samples

Sample #	UTM E	UTM N	O/C	sample type	station	comment
D01	712088	5526072	O/C	grab	2017-07-28-01	5m O/C or S/C dark green volcanic, silicified plag phyric tuff?? Rare 1-2mm qtz vein slightly rusty (lim) tr pyrite a few specks of spec hem? << 1mm. sample from skidder trail? or trench?
D02	712017	5525888	O/C	grab	2107-07-28-02	dark grey to nearly black volcanic; plag phyric (10% plag phenos 4-5mm) very fine grained groundmass; trace py locally strongly silicified, 3m O/C parallel to SC in middle of old road.
D03	711888	5525870	float	grab	2017-07-28-03	ang float, nearly blk volcanic plag phyric, perhaps 1% py as blebs (up to 4mm across) and rare stringer, plag 3-5mm sub-unhedral; mtx is f.g. nearly glassy strongly silicified, some plag has a pinkish (kspar?) tinge; appears to be at the end of an old road or trench.
D04	711881	5525918	float	grab	2017-07-28-04	strongly silicified rock, uncertain of protolith possibly a volcanic, stockwork of py veinlets up to 2mm wide locally rock is tinged red (hem?)
D05	711943	5528955	float	grab	2017-07-28-05	strongly silicified volc? Rock breaks almost like obsidian (knife like shards), pale green color suggests protolith is a volc, upto 5% fine diss py? (py looks slightly silvery) locally observe trace black dusty minerals (sulphosalts?)
D06				blank sample		
D07	711936	5525966	float	grab	2017-07-28-07	float in trench spoils; pale grey rock - protolith likely plag phyric volc; ~5% py in subparallel 1-3mm qtz veins and diss throughout rock; tr-0.5% tiny black dust like specks (sulphosalts?)
D08	712507	5526325	float	grab	2017-07-28-08	1m ang bldr; strongly alt'd unsure of protolith; several 1mm wide py veins spaced 1-2cm; rock has a felty look to it (hornfelsed?) nearly blk.
D09	712464	5525940	O/C	grab	2017-07-29-01	sample in roadcut - rusty; 2-3cm wide qtz-py-hem vein; strike is ~270 nearly vertical; py cubes to ~1cm
D10	712245	5525730	O/C	grab	2017-07-29-02	prior sample scrib-22: very sheared o/c at far end of a series of sheared o/c;
D11	712258	5525730	O/C	grab	2017-07-29-03	prior sample CR09-16 strongly alt'd sheared rocks; bleached white w/ rusty stained surfaces; locally strongly silicified, 95% silica, 2-3% py protolith is obliterated, nearby rock appears to be a drk green f.g. volcanic
D12	712305	5525692	O/C	grab	2017-07-29-04	shear; strike ~180; silicified f.g. green volcanic ~5% scattered py grains <1mm.
D13	706548	5522544	float	grab	2017-07-29-05	med to drk green volcanic (basalt?); very near high soil; mostly granitic boulders seen until here; epid observed on some fractures; a few specks of hem also observed.
D14	714887	5525064	O/C	grab	2017-07-30-01	small shear striking 170; protolith is a drk green volc; silicified scatterd v.f. grained py grains ; o/c is ~10m long X 2m wide X 2mm high
D15	712328	5525648	O/C	chip	2017-07-30-02	strongly alt'd to white clay; but hard - silicified; no orig text observed; tiny <1mm veinlets observed.
D16	712310	5525689	o/c	chip	2017-07-30-03	shear; strike ~45; rock very similar to D12

Appendix 3 Rock Sample QA/QC

Rock QA/QC	Au_ppm	Ag_ppm	Cu_ppm	Mo_ppm
Granite Blank	0.0025	1.3	11	0.5
Granite Blank	0.0025	0.3	11	0.5
blind blank D6	0.0025	0.4	46	2
STD BLANK	0.0025			
STD BLANK		0.1	0.5	0.5
	Au_ppm	Ag_ppm	Cu_ppm	Mo_ppm
STD OxF125	0.752			
Expected OxF125	0.806			
	Au_ppm	Ag_ppm	Cu_ppm	Mo_ppm
STD OREAS 24b		0.1	36	3
Expected oreas 24b			36.4	3.86
	Au_ppm	Ag_ppm	Cu_ppm	Mo_ppm
D-03	0.0025	0.2	20	1
D-03PD	0.006	0.1	21	0.5
	Au_ppm	Ag_ppm	Cu_ppm	Mo_ppm
D-06	0.0025	0.4	46	2
DUP D-06	0.0025			
	Au_ppm	Ag_ppm	Cu_ppm	Mo_ppm
D-10	0.028	0.3	37	1
DUP D-10		0.3	38	1

Appendix 4 - Soils Assays



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**2001-1050 Burrard Street**  
**Vancouver, BC**  
**V6Z 2R9**

**CERTIFICATE OF ANALYSIS: YVR1710586A**

Project Name:  
Job Received Date: 04-Jul-2017  
Job Report Date: 26-Jul-2017  
Report Version: Final

**COMMENTS:**

Test results reported relate only to the samples as received by the laboratory. Unless otherwise stated above, sufficient sample was received for the methods requested and all samples were received in acceptable condition. Analytical results in unsigned reports marked "preliminary" are subject to change, pending final QC review. Please refer to MS Analytical's Schedule of Services and Fees for our complete Terms and Conditions.

SAMPLE PREPARATION	
METHOD CODE	DESCRIPTION
PRP-757	Dry, Screen to 80 mesh, discard plus fraction

ANALYTICAL METHODS	
METHOD CODE	DESCRIPTION
IMS-117	Multi-Element (39 elements), 20g, 1:1 Aqua Regia, ICP-AES/MS, Ultra Trace Level

**Signature:**  
Jimbo Zheng BSc., PCrChem, BC Certified Assayer  
Senior Analytical Chemist  
MS Analytical



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**V6Z 2R9**

**CERTIFICATE OF ANALYSIS: YVR1710586A**

Project Name:  
Job Received Date: 04-Jul-2017  
Job Report Date: 26-Jul-2017  
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec Wt. lg	Method Analyte Units LDR	IMS-117 Ag ppm	IMS-117 Al %	IMS-117 As ppm	IMS-117 Au ppm	IMS-117 Ba ppm	IMS-117 Bi ppm	IMS-117 Ca %	IMS-117 Cd ppm	IMS-117 Co ppm	IMS-117 Cr ppm	
B001	Soil	0.29		0.35	1.84	7.6	0.006	<10	77	0.25	0.22	0.38	6.7	15
B002	Soil	0.25		0.51	2.37	9.8	0.015	21	73	0.26	0.29	0.56	6.7	13
B003	Soil	0.34		0.29	2.21	13.1	0.006	<10	65	0.19	0.19	0.36	7.5	19
B004	Soil	0.30		0.12	1.94	15.4	0.011	<10	55	0.28	0.11	0.20	4.9	16
B005	Soil	0.26		0.36	2.02	27.3	0.026	<10	61	1.15	0.11	0.33	5.0	13
B006	Soil	0.38		0.29	2.49	55.4	0.006	<10	92	0.18	0.19	0.79	8.6	22
B007	Soil	0.39		0.24	2.43	102.0	0.004	<10	101	0.19	0.25	2.75	8.8	22
B008	Soil	0.33		0.55	2.80	50.8	0.006	13	74	0.22	0.29	2.27	11.7	24
B009	Soil	0.39		0.37	2.45	13.5	0.004	<10	90	0.27	0.37	0.84	7.5	19
B010	Soil	0.28		0.19	2.52	19.4	0.003	<10	68	0.19	0.25	0.67	8.8	24
B011	Soil	0.34		0.23	1.77	10.8	0.006	<10	83	0.18	0.12	0.32	3.2	15
B012	Soil	0.38		0.26	1.74	3.1	0.005	<10	71	0.12	0.12	0.27	4.5	18
B013	Soil	0.45		0.26	1.77	8.7	0.006	<10	91	0.10	0.15	0.21	5.7	22
B014	Soil	0.45		0.18	1.56	7.4	0.003	<10	99	0.09	0.18	0.18	5.6	22
B015	Soil	0.39		0.35	2.15	13.9	0.012	<10	91	0.16	0.16	0.43	6.3	21
B016	Soil	0.44		0.34	2.04	19.0	0.005	<10	119	0.15	0.51	0.79	7.4	23
B017	Soil	0.28		0.09	0.16	18.1	0.002	13	33	0.06	5.07	2.89	1.1	3
B018	Soil	0.23		0.22	0.10	32.2	0.001	33	32	0.07	4.15	0.70	0.8	2
B019	Soil	0.52		0.29	1.79	14.6	0.003	<10	86	0.12	0.17	0.52	6.8	23
B020	Soil	0.37		0.28	1.56	10.9	0.039	<10	88	0.15	0.19	0.53	5.4	19
B021	Soil	0.48		0.20	1.62	15.1	0.003	<10	60	0.14	0.12	0.51	5.6	20
B022	Soil	0.33		0.20	1.54	9.7	0.004	<10	79	0.22	0.12	0.49	4.3	17
B023	Soil	0.42		0.38	2.00	11.1	0.003	13	100	0.15	0.16	0.72	6.8	22
B024	Soil	0.48		0.32	2.25	15.4	0.003	<10	63	0.19	0.13	0.55	6.4	20
B025	Soil	0.37		0.35	2.14	15.9	0.008	10	66	0.16	0.24	0.72	7.3	21



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**V6Z 2R9**

**CERTIFICATE OF ANALYSIS: YVR1710586A**

Project Name:  
Job Received Date: 04-Jul-2017  
Job Report Date: 26-Jul-2017  
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg	Method Analyte Units	IMS-117 Ag ppm	IMS-117 Al %	IMS-117 As ppm	IMS-117 Au ppm	IMS-117 B ppm	IMS-117 Ba ppm	IMS-117 Bi ppm	IMS-117 Ca %	IMS-117 Cd ppm	IMS-117 Co ppm	IMS-117 Cr ppm
B026	Soil	0.45	LOR	0.23	2.45	18.3	0.008	<10	73	0.16	0.13	0.44	6.2	21
B027	Soil	0.36		0.16	2.06	8.2	0.004	<10	54	0.16	0.10	0.29	4.3	16
B028	Soil	0.34		2.91	1.44	17.6	0.061	<10	44	1.97	0.22	0.76	5.1	11
B029	Soil	0.42		0.46	2.59	12.6	0.077	<10	64	0.43	0.36	0.95	6.8	15
B030	Soil	0.38		0.62	2.46	24.5	0.095	<10	72	1.08	0.10	0.33	3.7	11
B031	Soil	0.42		0.30	2.41	15.4	0.009	<10	78	0.30	0.18	0.99	7.1	20
B032	Soil	0.27		0.14	1.80	4.9	0.003	<10	52	0.27	0.10	0.24	4.5	11
B033	Soil	0.37		0.16	2.12	12.4	0.002	10	65	0.14	0.12	0.36	4.3	18
B034	Soil	0.31		0.27	2.59	43.3	0.002	<10	79	0.14	0.30	2.63	8.6	23
B035	Soil	0.35		0.38	2.82	45.8	0.002	<10	114	0.17	0.42	2.81	9.1	21
B036	Soil	0.44		0.92	2.50	36.8	0.004	<10	68	0.18	0.18	2.69	8.9	19
B037	Soil	0.38		0.37	2.20	19.8	0.004	<10	105	0.14	0.16	0.78	7.9	26
B038	Soil	0.27		0.42	2.24	30.4	0.003	<10	66	0.32	0.75	3.08	6.9	20
B039	Soil	0.42		0.25	1.92	23.4	0.005	<10	86	0.31	0.25	1.21	6.5	20
B040	Soil	0.49		0.74	2.19	19.3	0.002	66	740	0.20	21.82	0.49	13.4	38
B041	Soil	0.30		0.21	1.28	1.7	0.002	<10	202	0.10	0.33	0.12	5.7	14
B042	Soil	0.34		0.54	1.69	2.3	0.003	<10	210	0.11	0.48	0.43	6.5	19
B043	Soil	0.45		0.12	1.37	2.6	<0.001	<10	75	0.10	0.16	0.08	4.7	15
B044	Soil	0.59		0.10	1.47	4.5	0.077	<10	135	0.10	0.35	0.08	9.0	25
B045	Soil	0.51		0.14	1.75	3.6	0.004	<10	76	0.10	0.19	0.08	8.1	23
B046	Soil	0.39		0.29	1.71	3.4	0.001	<10	82	0.12	0.18	0.09	7.3	20
B047	Soil	0.50		0.14	1.61	4.0	0.001	<10	90	0.10	0.17	0.07	6.9	18
B048	Soil	0.38		0.62	3.39	5.3	0.002	<10	313	0.20	0.68	0.47	8.4	25
B049	Soil	0.57		0.13	1.39	3.6	0.001	<10	77	0.12	0.16	0.07	6.0	18
B050	Soil	0.44		0.12	1.45	2.5	0.002	<10	95	0.13	0.17	0.07	5.7	14



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**CERTIFICATE OF ANALYSIS: YVR1710586A**

Project Name:  
Job Received Date: 04-Jul-2017  
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Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg	Method Analyte Units	IMS-117 Ag ppm	IMS-117 Al %	IMS-117 As ppm	IMS-117 Au ppm	IMS-117 B ppm	IMS-117 Ba ppm	IMS-117 Bi ppm	IMS-117 Ca %	IMS-117 Cd ppm	IMS-117 Co ppm	IMS-117 Cr ppm
B051	Soil	0.44	LOR	0.09	1.40	3.4	0.005	<10	103	0.12	0.22	0.07	6.1	15
B052	Soil	0.47		0.15	1.72	5.3	0.002	<10	101	0.11	0.24	0.09	7.9	22
B053	Soil	0.38		0.07	1.09	2.1	<0.001	<10	68	0.10	0.21	0.04	4.6	15
B054	Soil	0.51		0.09	1.36	2.7	0.003	<10	85	0.11	0.21	0.04	5.2	16
B055	Soil	0.62		0.26	2.24	5.5	0.001	<10	172	0.15	0.54	0.11	8.4	26
B056	Soil	0.49		0.17	2.00	3.4	0.002	<10	85	0.13	0.17	0.09	7.2	16
B057	Soil	0.55		0.12	1.48	2.5	<0.001	<10	91	0.11	0.22	0.06	6.8	18
B058	Soil	0.47		0.15	1.73	3.1	<0.001	<10	111	0.12	0.24	0.10	7.2	19
B059	Soil	0.39		0.17	1.39	3.1	0.005	<10	88	0.15	0.17	0.14	6.0	16
B060	Soil	0.49		0.13	2.02	3.3	<0.001	12	118	0.12	0.23	0.14	8.0	21
B061	Soil	0.49		0.19	1.45	3.8	0.002	<10	81	0.14	0.17	0.16	7.4	18
B062	Soil	0.48		0.06	0.97	1.0	0.002	<10	68	0.09	0.18	0.03	3.8	11
B063	Soil	0.40		0.12	1.29	2.3	0.001	<10	95	0.12	0.19	0.08	5.1	14
B064	Soil	0.47		0.12	1.26	2.3	0.003	<10	98	0.13	0.26	0.10	4.9	13
B065	Soil	0.45		0.10	1.61	1.7	0.002	<10	92	0.15	0.14	0.03	4.4	12
B066	Soil	0.50		<0.05	1.44	2.5	<0.001	<10	71	0.12	0.19	0.05	4.9	15
B067	Soil	0.41		0.12	1.31	1.9	0.001	<10	98	0.09	0.26	0.05	4.8	18
B068	Soil	0.48		0.11	1.35	2.1	<0.001	<10	92	0.11	0.21	0.06	5.4	16
B069	Soil	0.56		0.11	1.46	3.2	<0.001	<10	94	0.09	0.21	0.06	5.7	18
B070	Soil	0.41		0.15	1.61	3.3	0.001	<10	81	0.12	0.14	0.09	6.6	15
B071	Soil	0.43		0.18	1.76	3.4	0.005	<10	91	0.13	0.20	0.09	7.2	19
B072	Soil	0.55		0.20	1.46	3.1	0.002	<10	109	0.17	0.19	0.11	6.9	18
B073	Soil	0.57		0.14	1.77	3.5	0.001	<10	85	0.13	0.14	0.07	6.8	18
B074	Soil	0.45		0.21	1.37	1.7	0.002	<10	139	0.10	0.31	0.14	5.2	13
B075	Soil	0.52		0.32	1.72	3.8	0.003	<10	86	0.12	0.12	0.14	5.3	15



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**CERTIFICATE OF ANALYSIS: YVR1710586A**

Project Name:  
Job Received Date: 04-Jul-2017  
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Sample ID	Sample Type	PWE-100 Rec. Wt. kg	Method Analyte Units LOR	IMS-117 Ag ppm	IMS-117 Al %	IMS-117 As ppm	IMS-117 Au ppm	IMS-117 S ppm	IMS-117 Ba ppm	IMS-117 Bi ppm	IMS-117 Ca %	IMS-117 Cd ppm	IMS-117 Co ppm	IMS-117 Cr ppm
B076	Soil	0.47		0.17	1.41	3.2	<0.001	<10	92	0.16	0.17	0.08	6.2	19
B077	Soil	0.46		0.17	1.44	2.0	0.001	<10	97	0.12	0.23	0.05	5.2	15
B078	Soil	0.56		0.23	2.03	1.9	<0.001	<10	164	0.19	0.40	0.17	6.1	20
B079	Soil	0.46		0.20	2.23	3.7	0.001	<10	119	0.13	0.19	0.10	8.2	26
B080	Soil	0.47		0.13	1.50	3.0	0.001	<10	80	0.18	0.16	0.10	6.2	16
B081	Soil	0.50		0.11	1.50	2.9	0.002	<10	81	0.11	0.16	0.11	6.2	16
B082	Soil	0.46		0.51	2.02	2.1	0.002	<10	131	0.17	0.49	0.20	5.0	14
B083	Soil	0.64		0.18	1.63	4.5	<0.001	<10	127	0.13	0.18	0.07	7.7	17
B084	Soil	0.46		0.13	1.73	3.1	0.032	<10	165	0.12	0.21	0.10	9.8	20
B085	Soil	0.43		0.06	2.04	3.3	0.002	<10	134	0.18	0.14	0.12	8.6	17
B086	Soil	0.42		0.13	2.32	4.1	0.002	<10	159	0.27	0.18	0.31	12.8	34
B087	Soil	0.57		0.31	2.36	7.5	0.003	<10	275	0.30	0.17	0.19	16.9	55
B004.5	Soil	0.27		0.74	2.21	18.4	0.002	62	722	0.20	21.25	0.54	13.1	38
B030.5	Soil	0.31		0.78	2.30	19.5	0.004	62	758	0.21	21.94	0.50	13.5	38
B070.5	Soil	0.30		0.77	2.26	18.8	0.003	65	745	0.21	21.77	0.54	13.4	39
G001	Soil	0.38		0.48	2.46	59.5	0.098	<10	90	0.25	0.19	2.46	7.7	22
G002	Soil	0.33		0.23	2.56	19.8	0.003	<10	114	0.17	0.35	2.28	7.7	20
G003	Soil	0.39		0.31	2.47	39.7	0.003	<10	83	0.21	0.33	0.88	8.9	23
G004	Soil	0.38		0.14	2.17	17.1	0.003	<10	85	0.14	0.13	0.30	5.6	21
G005	Soil	0.35		0.31	2.01	11.3	0.002	<10	88	0.12	0.15	0.38	5.9	19
G006	Soil	0.45		0.47	2.93	29.8	0.003	<10	117	0.14	0.31	2.68	10.6	29
G007	Soil	0.44		0.33	2.33	31.7	0.002	<10	102	0.14	0.18	1.26	8.7	25
G008	Soil	0.38		0.31	2.83	26.5	0.003	<10	107	0.20	0.22	1.17	9.4	32
G009	Soil	0.39		0.19	2.36	32.1	0.006	<10	91	0.26	0.12	0.53	7.4	20
G010	Soil	0.36		0.38	2.31	29.2	0.009	<10	60	0.42	0.17	0.90	6.5	16



**MS Analytical**

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To: **Gorilla Minerals Corp.**  
**2001-1050 Burrard Street**  
**Vancouver, BC**  
**V6Z 2R9**

**CERTIFICATE OF ANALYSIS: YVR1710586A**

Project Name:  
Job Received Date: 04-Jul-2017  
Job Report Date: 26-Jul-2017  
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg	Method Analyte Units LOR	IMS-117 Ag ppm	IMS-117 Al %	IMS-117 As ppm	IMS-117 Au ppm	IMS-117 S ppm	IMS-117 Ba ppm	IMS-117 Bi ppm	IMS-117 Ca %	IMS-117 Cd ppm	IMS-117 Co ppm	IMS-117 Cr ppm
G011	Soil	0.39		0.23	1.82	9.5	0.002	<10	66	0.21	0.11	0.30	4.3	16
G012	Soil	0.37		0.36	1.68	8.5	0.012	<10	69	0.19	0.12	0.41	4.3	14
G013	Soil	0.45		0.19	1.85	9.0	0.004	<10	71	0.17	0.11	0.30	4.1	18
G014	Soil	0.44		0.37	2.10	14.6	0.002	<10	69	0.15	0.09	0.35	5.2	18
G015	Soil	0.36		0.21	1.74	9.2	0.003	<10	51	0.16	0.08	0.25	2.6	14
G016	Soil	0.40		0.19	2.10	9.5	0.003	<10	73	0.15	0.10	0.30	5.4	18
G017	Soil	0.47		0.33	2.02	17.4	0.004	<10	74	0.16	0.16	0.65	7.7	19
G018	Soil	0.44		0.36	2.12	11.5	0.003	<10	71	0.16	0.16	0.53	5.2	18
G019	Soil	0.40		0.28	2.14	11.8	0.003	<10	52	0.22	0.14	0.45	5.8	18
G020	Soil	0.42		0.18	1.63	9.5	0.004	<10	94	0.13	0.16	0.30	5.2	20
G021	Soil	0.41		0.35	1.98	12.0	0.004	<10	65	0.19	0.11	0.40	5.2	18
G022	Soil	0.31		0.31	1.79	10.6	0.003	<10	79	0.14	0.17	0.63	5.9	17
G023	Soil	0.40		0.41	2.43	22.2	0.008	<10	82	0.19	0.36	1.42	7.4	19
G024	Soil	1.16		0.63	2.48	25.0	0.004	<10	135	0.28	0.50	2.27	7.6	20
G025	Soil	0.47		0.37	2.13	19.5	0.052	<10	81	0.22	0.21	1.05	7.1	20
G026	Soil	0.44		0.16	1.77	26.1	0.012	<10	105	0.19	0.26	0.49	7.5	25
G027	Soil	0.39		0.24	1.64	13.0	0.008	<10	71	0.14	0.13	0.27	4.6	20
G028	Soil	0.47		0.21	2.09	19.4	0.005	<10	97	0.13	0.13	0.55	6.2	21
G029	Soil	0.33		0.51	2.26	32.2	0.047	<10	53	0.68	0.10	0.39	4.7	16
G030	Soil	0.40		0.39	2.00	13.5	0.018	<10	60	0.36	0.15	0.39	5.0	18
G031	Soil	0.32		0.24	2.25	19.8	0.012	<10	49	0.44	0.07	0.33	3.9	11
G032	Soil	0.40		0.18	2.50	11.3	0.007	<10	82	0.24	0.12	0.23	5.9	20
G033	Soil	0.39		0.80	2.71	25.3	0.037	<10	60	0.25	0.56	2.25	11.3	30
G034	Soil	0.37		0.46	3.05	30.5	0.005	<10	95	0.37	0.26	3.52	9.5	23
G035	Soil	0.42		0.19	2.46	19.9	0.003	<10	117	0.14	0.19	1.31	7.9	23



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To: **Gorilla Minerals Corp.**  
**2001-1050 Burrard Street**  
**Vancouver, BC**  
**V6Z 2R9**

**CERTIFICATE OF ANALYSIS: YVR1710586A**

Project Name:  
Job Received Date: 04-Jul-2017  
Job Report Date: 26-Jul-2017  
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg	Method Analyte Units	IMS-117 Ag ppm	IMS-117 Al %	IMS-117 As ppm	IMS-117 Au ppm	IMS-117 B ppm	IMS-117 Ba ppm	IMS-117 Bi ppm	IMS-117 Ca %	IMS-117 Cd ppm	IMS-117 Co ppm	IMS-117 Cr ppm
G036	Soil	0.33	LOR	0.42	2.73	37.3	0.004	<10	81	0.14	1.12	<1.1	9.2	25
G037	Soil	0.32		0.39	2.68	25.6	0.005	<10	88	0.18	0.17	1.00	8.5	22
G038	Soil	0.44		0.35	2.33	21.1	0.002	<10	88	0.13	0.18	0.59	8.0	23
G039	Soil	0.37		0.61	2.60	15.0	0.002	<10	44	0.16	0.20	1.18	8.6	18
G040	Soil	0.49		0.73	2.20	19.4	0.003	61	721	0.20	20.56	0.48	13.3	35
G041	Soil	0.34		0.28	1.46	9.3	0.002	<10	70	0.09	0.14	0.65	4.3	14
G042	Soil	0.50		0.14	1.83	3.7	0.002	<10	92	0.10	0.15	0.39	6.5	22
G043	Soil	0.45		0.21	1.43	7.7	0.004	<10	104	0.08	0.15	0.22	5.3	22
G044	Soil	0.36		0.26	2.28	24.4	0.003	<10	76	0.20	0.16	1.47	9.8	20
G045	Soil	0.31		0.22	1.32	2.7	0.002	12	152	0.08	0.48	0.58	6.4	16
G046	Soil	0.41		0.59	2.72	6.3	0.002	<10	355	0.27	0.57	0.15	6.5	20
G047	Soil	0.56		0.08	1.44	3.5	0.002	<10	249	0.25	0.48	0.09	7.6	16
G048	Soil	0.37		0.23	1.88	3.5	0.001	<10	119	0.15	0.18	0.11	7.3	18
G049	Soil	0.39		0.15	1.47	2.8	0.006	<10	82	0.11	0.16	0.08	6.5	15
G050	Soil	0.37		0.15	1.18	2.6	0.001	<10	109	0.09	0.27	0.12	5.7	16
G051	Soil	0.40		0.16	1.78	3.7	0.002	<10	95	0.11	0.17	0.08	7.0	17
G052	Soil	0.42		0.26	2.38	2.8	0.001	<10	164	0.16	0.34	0.11	12.0	19
G053	Soil	0.33		0.15	1.70	4.3	0.012	<10	84	0.15	0.20	0.07	6.3	14
G054	Soil	0.33		0.27	1.37	2.2	0.001	<10	110	0.13	0.23	0.13	5.6	12
G055	Soil	0.43		0.18	1.55	3.5	0.003	<10	89	0.14	0.20	0.15	6.6	15
G056	Soil	0.48		0.21	1.31	2.3	0.002	<10	93	0.13	0.22	0.11	5.4	14
G057	Soil	0.47		0.11	1.28	2.0	0.002	<10	102	0.11	0.27	0.06	5.6	15
G058	Soil	0.47		0.13	1.19	2.4	0.001	<10	91	0.08	0.27	0.05	5.2	14
G059	Soil	0.45		0.10	1.24	2.6	0.002	<10	69	0.09	0.17	0.07	5.3	15
G060	Soil	0.43		0.19	1.75	4.3	0.002	<10	93	0.32	0.17	0.15	9.0	17



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**Vancouver, BC**  
**V6Z 2R9**

**CERTIFICATE OF ANALYSIS: YVR1710586A**

Project Name:  
Job Received Date: 04-Jul-2017  
Job Report Date: 26-Jul-2017  
Report Version: Final

Sample ID	Sample Type	PWE-100 Rec. Wt. kg	Method Analyte Units	IMS-117 Ag ppm	IMS-117 Al %	IMS-117 As ppm	IMS-117 Au ppm	IMS-117 B ppm	IMS-117 Ba ppm	IMS-117 Bi ppm	IMS-117 Ca %	IMS-117 Cd ppm	IMS-117 Co ppm	IMS-117 Cr ppm
G061	Soil	0.44	LOR	0.26	2.08	2.7	0.001	<10	181	0.15	0.31	0.10	9.1	20
G062	Soil	0.41		0.17	1.59	2.7	0.002	<10	107	0.13	0.20	0.08	8.2	19
G063	Soil	0.56		0.17	1.58	3.2	0.002	<10	125	0.13	0.17	0.08	9.3	16
G064	Soil	0.46		0.10	1.39	2.7	0.001	<10	84	0.10	0.16	0.08	5.6	13
G065	Soil	0.44		0.07	1.40	2.5	0.002	<10	70	0.10	0.13	0.04	5.6	13
G066	Soil	0.50		0.22	2.08	2.4	0.002	<10	218	0.14	0.35	0.09	6.5	17
G067	Soil	0.07		0.18	1.31	3.0	<0.001	<10	119	0.10	0.24	0.09	6.8	16
G068	Soil	0.59		0.13	1.32	2.9	0.002	<10	121	0.12	0.28	0.07	7.3	20
G069	Soil	0.43		0.43	3.29	5.6	0.002	<10	249	0.21	0.64	0.24	10.1	24
G070	Soil	0.66		<0.05	0.99	2.7	0.004	<10	91	0.09	0.27	0.05	5.3	17
G071	Soil	0.37		0.11	1.90	2.8	0.001	<10	89	0.14	0.19	0.06	6.8	16
G072	Soil	0.35		0.09	2.01	2.8	0.001	<10	98	0.12	0.20	0.04	6.9	17
G073	Soil	0.44		0.11	1.53	2.5	<0.001	<10	70	0.10	0.18	0.07	5.8	15
G074	Soil	0.35		0.12	1.37	2.5	0.002	<10	93	0.10	0.21	0.08	6.0	17
G075	Soil	0.38		0.19	1.77	4.5	0.002	<10	103	0.13	0.20	0.07	7.7	18
G076	Soil	0.50		0.10	1.30	2.9	<0.001	<10	84	0.11	0.24	0.04	6.0	18
G077	Soil	0.44		0.07	1.22	1.2	0.002	<10	68	0.12	0.14	0.03	3.9	10
G078	Soil	0.36		0.07	1.56	2.4	0.001	<10	94	0.10	0.21	0.04	6.5	16
G079	Soil	0.52		0.09	1.60	2.5	0.003	<10	83	0.12	0.17	0.05	4.9	13
G080	Soil	0.40		0.18	1.47	3.0	<0.001	<10	57	0.11	0.15	0.06	5.9	15
G081	Soil	0.33		0.18	1.46	3.0	<0.001	<10	56	0.11	0.15	0.05	6.0	15
G082	Soil	0.40		0.22	1.32	2.7	<0.001	<10	100	0.12	0.22	0.07	5.7	14
G083	Soil	0.33		0.22	1.35	1.9	0.002	<10	133	0.14	0.26	0.10	4.5	12
G084	Soil	0.52		0.24	2.41	3.2	0.001	<10	216	0.17	0.39	0.10	7.9	20
G085	Soil	0.36		0.15	1.85	4.0	0.001	<10	83	0.11	0.18	0.09	8.2	27



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**Vancouver, BC**  
**V6Z 2R9**

**CERTIFICATE OF ANALYSIS: YVR1710586A**

Project Name:  
Job Received Date: 04-Jul-2017  
Job Report Date: 26-Jul-2017  
Report Version: Final

Sample ID	Sample Type	PWS-100 Rec. Wt. kg	Method Analyte Units	IMS-117 Ag ppm	IMS-117 Al %	IMS-117 As ppm	IMS-117 Au ppm	IMS-117 B ppm	IMS-117 Ba ppm	IMS-117 Bi ppm	IMS-117 Ca %	IMS-117 Cd ppm	IMS-117 Co ppm	IMS-117 Cr ppm
G086	Soil	0.47		0.16	1.88	3.4	<0.001	<10	80	0.11	0.16	0.08	7.5	24
G087	Soil	0.37		0.12	1.33	2.0	0.001	<10	40	0.12	0.09	0.11	3.0	11
G088	Soil	0.57		0.15	1.48	4.5	0.010	23	82	0.11	0.14	0.10	6.9	20
G089	Soil	0.44		0.21	1.25	2.6	<0.001	<10	138	0.08	0.32	0.46	7.0	17
G090	Soil	0.45		0.19	1.46	2.6	<0.001	10	73	0.12	0.12	0.15	5.7	14
G091	Soil	0.43		0.26	1.91	2.7	<0.001	<10	123	0.13	0.14	0.35	6.4	14
G092	Soil	0.52		0.29	1.95	2.7	0.001	<10	119	0.13	0.18	0.46	7.2	16
G093	Soil	0.39		0.21	1.67	2.9	0.002	21	224	0.11	0.43	0.14	7.2	22
G094	Soil	0.48		0.34	1.30	1.7	<0.001	15	156	0.09	0.28	0.09	5.9	17
G095	Soil	0.47		0.28	2.01	2.4	0.001	<10	257	0.12	0.34	0.20	7.0	22
G096	Soil	0.57		0.38	1.79	4.6	0.003	<10	235	0.13	0.29	0.15	8.1	18
G022.5	Soil	0.39		0.77	2.29	18.9	0.003	65	742	0.21	21.77	0.50	13.2	38
G053.5	Soil	0.48		0.75	2.25	18.5	0.002	74	750	0.21	22.16	0.52	12.9	38
DUP B026				0.22	2.42	18.3	0.004	<10	72	0.27	0.11	0.43	6.1	20
DUP B052				0.15	1.69	5.4	0.005	<10	100	0.11	0.23	0.10	7.7	22
DUP G004				0.14	2.17	16.9	0.012	<10	85	0.14	0.13	0.30	5.6	20
DUP G070				<0.05	0.98	2.8	0.002	<10	90	0.09	0.27	0.05	5.3	17
STD BLANK				<0.05	<0.01	<0.2	<0.001	<10	<10	<0.05	<0.01	<0.01	<0.1	<1



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STD BLANK		0.01	LOR	<0.05	0.01	0.2	0.001	<10	<10	0.05	0.01	0.01	0.1	<1
STD BLANK				<0.05	<0.01	<0.2	<0.001	<10	<10	<0.05	<0.01	<0.01	<0.1	<1
STD BLANK				<0.05	<0.01	<0.2	<0.001	<10	<10	<0.05	<0.01	<0.01	<0.1	<1
STD OREAS 904				0.40	1.29	51.7	0.023	20	68	3.69	0.04	0.05	87.8	18
STD OREAS 28b				0.08	3.09	8.5	0.002	<10	136	0.66	0.44	0.05	14.4	97
STD OREAS 601				48.29	0.88	319.9	0.787	<10	187	21.24	1.08	7.93	4.7	45
STD OREAS 24b				0.07	3.14	7.9	0.002	<10	141	0.68	0.45	0.05	15.0	103



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Sample ID	IMS-117 Cu ppm	IMS-117 Fe %	IMS-117 Ga ppm	IMS-117 Hg ppm	IMS-117 K %	IMS-117 La ppm	IMS-117 Mg %	IMS-117 Mn ppm	IMS-117 Mo ppm	IMS-117 Na %	IMS-117 Ni ppm	IMS-117 P ppm	IMS-117 Pb ppm	IMS-117 Re ppm
B001	13.5	2.59	9.4	0.03	0.05	7.0	0.32	316	2.10	0.03	11.0	488	7.5	<0.005
B002	22.0	2.70	9.6	0.05	0.07	11.5	0.37	250	3.38	0.03	11.1	327	9.1	<0.005
B003	20.4	2.54	8.2	0.04	0.04	9.7	0.33	385	2.88	0.03	16.1	561	6.8	<0.005
B004	13.1	2.55	8.5	0.03	0.04	4.6	0.29	184	1.83	0.02	10.9	664	7.1	<0.005
B005	13.8	2.86	10.4	0.04	0.08	4.7	0.32	212	2.62	0.02	9.0	525	10.8	<0.005
B006	23.3	2.69	7.8	0.03	0.05	5.1	0.50	320	2.78	0.03	21.6	740	7.2	<0.005
B007	34.6	2.95	7.2	0.04	0.05	8.5	0.42	273	4.44	0.05	40.4	726	8.0	<0.005
B008	17.7	4.21	8.9	0.05	0.03	6.7	0.24	224	5.41	0.07	64.6	947	11.1	<0.005
B009	27.4	2.51	7.5	0.04	0.06	7.4	0.39	247	2.28	0.04	32.3	350	7.9	<0.005
B010	27.7	2.65	8.2	0.04	0.06	5.4	0.44	278	2.12	0.03	37.0	613	7.9	<0.005
B011	14.0	2.01	7.5	0.06	0.07	4.8	0.25	108	1.99	0.02	9.5	242	6.7	<0.005
B012	15.6	2.12	9.3	0.04	0.04	4.3	0.25	136	1.61	0.02	11.7	583	4.8	<0.005
B013	20.6	2.22	5.8	0.03	0.05	4.9	0.32	159	1.46	0.02	16.8	548	4.7	<0.005
B014	18.1	2.13	5.2	0.02	0.05	3.5	0.32	176	1.21	0.02	15.7	571	4.1	<0.005
B015	16.9	2.42	6.8	0.04	0.04	5.5	0.28	143	2.15	0.03	17.1	452	5.6	<0.005
B016	26.2	2.34	6.0	0.04	0.07	6.1	0.38	344	2.68	0.03	20.1	437	6.0	<0.005
B017	7.9	0.33	0.5	0.18	0.03	9.7	0.05	360	26.61	0.02	5.6	875	9.0	<0.039
B018	8.3	0.30	0.3	0.19	0.03	<0.5	0.04	650	16.57	0.01	6.7	1196	10.6	0.046
B019	26.0	2.48	6.1	0.03	0.05	5.1	0.34	209	2.81	0.03	20.4	330	5.7	<0.005
B020	17.7	2.23	6.0	0.06	0.05	4.0	0.26	485	1.91	0.02	14.4	701	8.4	<0.005
B021	16.3	2.36	3.6	0.03	0.03	4.1	0.24	230	2.29	0.02	13.3	655	4.8	<0.005
B022	15.5	2.04	6.0	0.04	0.04	5.5	0.19	116	2.23	0.02	9.9	318	5.6	<0.005
B023	18.5	2.27	6.5	0.04	0.05	5.5	0.34	243	2.41	0.03	17.6	535	6.5	<0.005
B024	20.9	2.49	7.0	0.06	0.04	4.8	0.26	180	2.18	0.03	15.3	482	6.8	<0.005
B025	25.7	2.41	7.7	0.04	0.04	10.4	0.35	238	3.50	0.03	20.7	269	7.0	<0.005



**MS Analytical**

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Phone: +1-604-888-0875

To: **Gorilla Minerals Corp.**  
**2001-1050 Burrard Street**  
**Vancouver, BC**  
**V6Z 2R9**

**CERTIFICATE OF ANALYSIS: YVR1710586A**

Project Name:  
Job Received Date: 04-Jul-2017  
Job Report Date: 26-Jul-2017  
Report Version: Final

Sample ID	IMS-117 Cu ppm	IMS-117 Fe %	IMS-117 Ga ppm	IMS-117 Hg ppm	IMS-117 K %	IMS-117 La ppm	IMS-117 Mg %	IMS-117 Mn ppm	IMS-117 Mo ppm	IMS-117 Na %	IMS-117 Ni ppm	IMS-117 P ppm	IMS-117 Pb ppm	IMS-117 Re ppm
B026	22.0	2.47	7.4	0.03	0.05	5.8	0.31	181	2.03	0.03	18.0	564	6.3	<0.005
B027	16.4	2.10	6.5	0.04	0.03	4.4	0.19	144	1.38	0.02	9.8	612	5.8	<0.005
B028	13.5	2.04	7.4	0.06	0.03	10.6	0.18	295	2.78	0.02	7.1	249	11.2	<0.005
B029	21.0	2.69	3.6	0.04	0.05	9.0	0.35	291	3.51	0.04	12.5	315	9.6	<0.005
B030	18.2	3.34	10.4	0.04	0.06	5.3	0.27	136	4.47	0.02	7.1	407	15.2	<0.005
B031	22.7	2.52	7.7	0.04	0.05	6.4	0.36	208	3.12	0.03	20.7	604	7.8	<0.005
B032	13.7	2.19	8.1	0.05	0.03	2.6	0.14	175	1.35	0.02	8.4	684	5.7	<0.005
B033	15.8	2.20	7.7	0.07	0.03	3.7	0.26	107	2.24	0.02	14.7	358	6.2	<0.005
B034	31.2	3.08	7.5	0.05	0.04	7.7	0.43	221	5.63	0.05	41.0	837	9.4	<0.005
B035	32.8	2.99	8.0	0.05	0.06	7.1	0.36	437	5.06	0.04	41.9	911	10.5	<0.005
B036	36.4	3.32	6.5	0.06	0.03	4.4	0.27	356	9.39	0.02	38.7	775	11.3	<0.005
B037	30.6	2.79	6.1	0.03	0.05	5.8	0.49	230	3.13	0.03	23.9	605	6.3	<0.005
B038	17.0	2.34	5.7	0.07	0.04	5.4	0.30	356	6.14	0.04	27.7	317	8.2	<0.005
B039	20.8	2.34	3.5	0.04	0.04	4.8	0.28	175	4.86	0.02	20.8	572	6.8	<0.005
B040	146.8	2.19	8.1	0.06	0.15	7.6	0.46	417	5.97	0.26	21.0	297	31.7	<0.005
B041	25.0	1.65	4.4	0.03	0.08	8.3	0.30	122	0.59	0.03	12.3	315	5.6	<0.005
B042	25.7	2.08	4.7	0.03	0.10	8.4	0.50	337	1.79	0.03	14.9	400	6.0	<0.005
B043	13.0	1.84	4.4	0.04	0.04	4.7	0.21	102	1.49	0.02	7.3	1086	4.7	<0.005
B044	28.5	2.50	4.5	0.02	0.13	6.9	0.50	291	1.45	0.03	14.9	835	4.0	<0.005
B045	21.8	2.27	4.5	0.02	0.05	4.3	0.36	216	0.68	0.02	14.3	807	4.6	<0.005
B046	18.5	2.22	5.4	0.03	0.05	3.6	0.34	187	0.87	0.02	11.8	1096	5.3	<0.005
B047	17.4	2.11	4.8	0.03	0.05	4.3	0.26	297	0.87	0.02	11.1	866	4.7	<0.005
B048	57.8	3.06	8.6	0.06	0.10	20.0	0.41	531	3.93	0.04	21.8	514	7.4	<0.005
B049	16.0	2.03	4.2	0.02	0.04	4.7	0.23	185	0.75	0.02	9.1	852	4.8	<0.005
B050	12.3	1.92	4.4	0.02	0.04	5.2	0.19	331	0.62	0.02	8.8	1224	5.6	<0.005



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**V6Z 2R9**

**CERTIFICATE OF ANALYSIS: YVR1710586A**

Project Name:  
Job Received Date: 04-Jul-2017  
Job Report Date: 26-Jul-2017  
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Sample ID	IMS-117 Cu ppm	IMS-117 Fe %	IMS-117 Ga ppm	IMS-117 Hg ppm	IMS-117 K %	IMS-117 La ppm	IMS-117 Mg %	IMS-117 Mn ppm	IMS-117 Mo ppm	IMS-117 Na %	IMS-117 Ni ppm	IMS-117 P ppm	IMS-117 Pb ppm	IMS-117 Re ppm
B051	12.6	1.94	4.5	0.02	0.05	4.6	0.21	364	0.68	0.02	9.8	1047	5.9	<0.005
B052	19.6	2.23	5.2	0.02	0.06	6.1	0.32	218	0.73	0.02	16.4	660	5.2	<0.005
B053	9.5	1.63	3.8	0.01	0.04	4.8	0.22	133	0.63	0.02	7.4	343	4.3	<0.005
B054	12.5	1.91	4.3	0.02	0.05	4.8	0.23	124	0.54	0.02	9.4	780	4.4	<0.005
B055	28.7	2.51	5.9	0.02	0.10	10.9	0.45	429	1.88	0.03	16.0	278	6.2	<0.005
B056	29.2	2.37	5.7	0.03	0.06	5.5	0.35	358	0.84	0.02	9.9	1038	5.4	<0.005
B057	12.3	2.17	4.7	0.02	0.06	4.5	0.30	158	1.06	0.02	10.3	562	5.4	<0.005
B058	16.0	2.21	5.0	0.03	0.07	5.7	0.29	219	1.18	0.02	13.4	546	5.7	<0.005
B059	11.8	2.09	4.4	0.02	0.05	4.1	0.23	138	1.74	0.02	9.6	605	10.0	<0.005
B060	20.0	2.38	5.3	0.02	0.08	5.0	0.37	539	0.87	0.02	13.3	849	5.6	<0.005
B061	20.8	2.41	4.3	0.02	0.06	3.1	0.28	265	1.37	0.02	10.8	968	4.8	<0.005
B062	8.7	1.31	3.3	<0.01	0.04	4.3	0.19	108	0.35	0.02	6.0	227	4.2	<0.005
B063	12.8	1.78	4.0	0.02	0.05	4.9	0.21	183	0.89	0.02	9.2	661	5.1	<0.005
B064	11.5	1.74	3.6	0.03	0.05	4.1	0.18	237	0.68	0.02	8.6	962	5.8	<0.005
B065	12.5	1.60	3.6	0.01	0.04	4.4	0.20	86	0.56	0.02	7.5	251	6.6	<0.005
B066	14.3	1.75	4.2	0.02	0.06	4.9	0.27	143	0.73	0.02	8.4	486	5.2	<0.005
B067	13.9	1.73	4.2	0.02	0.04	4.5	0.30	148	0.47	0.02	9.6	412	4.7	<0.005
B068	13.0	1.79	3.5	0.01	0.05	4.0	0.28	139	0.48	0.02	9.9	485	6.0	<0.005
B069	16.0	1.98	4.0	0.02	0.06	5.2	0.23	186	0.66	0.03	11.1	819	4.3	<0.005
B070	15.4	1.99	4.4	0.02	0.06	4.7	0.25	287	0.79	0.02	10.4	1032	4.9	<0.005
B071	18.5	2.18	5.0	0.02	0.06	4.0	0.31	247	0.99	0.02	13.1	630	5.2	<0.005
B072	20.4	2.18	4.2	0.02	0.08	5.3	0.35	209	0.75	0.02	10.5	993	4.7	<0.005
B073	22.0	2.12	4.6	0.04	0.05	4.8	0.28	185	0.88	0.02	11.0	965	5.3	<0.005
B074	12.8	1.63	4.0	0.03	0.08	5.9	0.29	219	1.98	0.03	7.5	401	7.3	<0.005
B075	18.1	2.47	4.9	0.06	0.04	4.6	0.27	122	1.61	0.02	7.7	892	6.6	<0.005



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**Vancouver, BC**  
**V6Z 2R9**

**CERTIFICATE OF ANALYSIS: YVR1710586A**

Project Name:  
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B076	14.6	2.42	4.9	0.02	0.05	4.0	0.31	391	1.34	0.02	9.9	1003	6.7	<0.005
B077	15.0	1.49	4.4	0.02	0.04	3.7	0.29	223	0.86	0.02	10.1	268	5.9	<0.005
B078	22.6	2.29	5.5	0.02	0.10	5.8	0.38	413	1.39	0.03	13.2	407	5.5	<0.005
B079	22.2	2.38	5.9	0.04	0.06	4.5	0.35	234	0.87	0.02	17.6	989	5.9	<0.005
B080	16.3	2.07	4.2	0.02	0.05	4.9	0.24	287	0.78	0.02	9.6	709	5.8	<0.005
B081	16.2	2.13	4.3	0.03	0.05	4.9	0.24	273	0.72	0.02	9.7	691	5.6	<0.005
B082	16.7	2.02	6.0	0.06	0.05	8.4	0.24	254	3.85	0.03	8.7	484	6.8	<0.005
B083	24.7	2.40	4.6	0.03	0.08	4.6	0.40	216	0.90	0.02	11.0	635	6.4	<0.005
B084	85.0	2.93	4.9	0.02	0.21	4.8	0.54	252	0.81	0.02	13.0	772	4.3	<0.005
B085	31.0	2.89	6.2	0.03	0.11	4.3	0.46	251	1.29	0.02	10.9	903	8.6	<0.005
B086	51.1	3.09	6.0	0.02	0.17	5.1	0.60	828	2.15	0.03	27.2	995	11.8	<0.005
B087	70.1	4.30	6.9	0.02	0.26	4.3	0.99	642	5.28	0.03	34.0	739	5.8	<0.005
B004.5	145.4	2.21	7.8	0.04	0.15	7.9	0.46	416	5.76	0.26	21.9	306	30.8	<0.005
B030.5	154.7	2.28	8.0	0.03	0.16	8.0	0.47	424	5.99	0.27	21.7	304	31.8	<0.005
B070.5	150.9	2.25	8.0	0.03	0.16	8.0	0.46	417	6.23	0.30	22.0	302	31.9	<0.005
G001	28.4	2.79	6.7	0.05	0.05	7.7	0.39	280	4.72	0.03	36.3	798	12.1	<0.005
G002	30.6	2.51	5.4	0.05	0.04	6.5	0.38	455	3.12	0.04	45.9	730	10.9	<0.005
G003	27.1	2.73	6.8	0.06	0.05	6.0	0.42	375	2.30	0.03	37.5	461	11.8	<0.005
G004	22.3	2.36	5.8	0.04	0.05	5.4	0.34	142	1.91	0.02	18.4	590	6.5	<0.005
G005	20.2	2.19	5.5	0.05	0.05	5.5	0.28	170	1.43	0.02	16.6	941	5.2	<0.005
G006	38.9	3.19	7.0	0.03	0.06	9.3	0.55	301	4.20	0.04	43.1	578	7.8	<0.005
G007	27.6	2.74	6.2	0.04	0.04	5.1	0.42	260	3.25	0.03	31.9	558	7.9	<0.005
G008	33.0	2.83	6.8	0.04	0.07	4.9	0.50	300	2.52	0.02	31.8	592	7.7	<0.005
G009	24.0	2.53	5.9	0.04	0.07	5.0	0.30	254	1.96	0.02	19.0	734	7.4	<0.005
G010	17.2	2.57	7.1	0.04	0.06	6.5	0.26	176	3.20	0.03	16.2	375	8.8	<0.005



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**V6Z 2R9**

**CERTIFICATE OF ANALYSIS: YVR1710586A**

Project Name:  
Job Received Date: 04-Jul-2017  
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Sample ID	IMS-117 Cu ppm	IMS-117 Fe %	IMS-117 Ga ppm	IMS-117 Hg ppm	IMS-117 K %	IMS-117 La ppm	IMS-117 Mg %	IMS-117 Mn ppm	IMS-117 Mo ppm	IMS-117 Ni %	IMS-117 Pb ppm	IMS-117 P ppm	IMS-117 Pb ppm	IMS-117 Re ppm
G011	14.0	2.19	5.2	0.05	0.04	3.8	0.21	127	1.52	0.02	12.3	1197	8.2	<0.005
G012	14.3	2.12	5.1	0.04	0.04	4.9	0.20	147	1.65	0.02	8.8	559	6.4	<0.005
G013	16.3	2.25	5.4	0.05	0.04	4.4	0.24	118	1.83	0.02	10.9	514	6.2	<0.005
G014	21.1	2.33	5.9	0.05	0.04	4.6	0.30	132	2.25	0.02	14.7	545	5.9	<0.005
G015	12.1	1.83	5.0	0.06	0.02	3.4	0.14	68	1.50	0.02	7.1	312	5.8	<0.005
G016	17.8	2.19	6.7	0.03	0.04	4.5	0.22	135	1.52	0.02	14.6	564	5.8	<0.005
G017	21.5	2.45	7.0	0.06	0.04	4.2	0.28	384	2.30	0.03	19.0	898	6.8	<0.005
G018	17.6	2.32	6.9	0.04	0.04	5.1	0.20	104	2.07	0.02	14.1	492	6.2	<0.005
G019	15.5	2.51	7.9	0.03	0.04	4.1	0.26	140	2.44	0.02	14.9	533	7.5	<0.005
G020	18.0	2.22	5.7	0.02	0.04	4.6	0.27	168	1.34	0.02	14.0	530	4.9	<0.005
G021	15.5	2.23	6.8	0.04	0.03	4.3	0.23	133	1.98	0.02	12.5	512	5.1	<0.005
G022	15.2	2.21	6.8	0.04	0.03	5.9	0.25	220	1.99	0.02	13.6	562	5.5	<0.005
G023	24.9	2.46	7.7	0.03	0.04	9.9	0.34	352	4.63	0.05	22.2	349	6.9	<0.005
G024	19.7	2.56	7.4	0.04	0.05	7.0	0.35	317	3.67	0.05	29.3	367	7.1	<0.005
G025	18.0	2.50	7.2	0.04	0.04	4.9	0.31	175	3.94	0.08	19.9	354	6.8	<0.005
G026	25.5	2.55	5.7	0.02	0.05	5.2	0.38	217	2.19	0.02	23.9	314	5.3	<0.005
G027	18.8	2.38	5.7	0.03	0.03	4.4	0.27	152	2.18	0.02	13.8	322	4.7	<0.005
G028	20.1	2.32	6.7	0.02	0.05	5.2	0.30	171	1.93	0.02	19.9	465	5.1	<0.005
G029	18.6	2.61	7.3	0.06	0.04	6.1	0.22	151	2.18	0.02	11.7	461	10.5	<0.005
G030	17.7	2.44	8.1	0.03	0.04	10.4	0.28	152	2.43	0.02	11.6	344	8.3	<0.005
G031	11.4	2.49	9.1	0.06	0.04	3.9	0.17	134	1.68	0.02	7.6	428	12.8	<0.005
G032	23.0	2.66	8.1	0.04	0.07	7.0	0.34	139	1.79	0.02	14.7	595	7.4	<0.005
G033	107.4	2.86	7.8	0.03	0.04	11.1	0.47	491	5.95	0.05	89.7	257	6.5	<0.005
G034	34.9	3.12	8.5	0.05	0.04	8.4	0.42	429	7.83	0.05	47.4	780	10.5	<0.005
G035	27.2	2.76	7.4	0.04	0.05	6.0	0.37	225	4.00	0.03	31.4	491	5.8	<0.005



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G036	29.3	3.25	7.4	0.05	0.03	10.1	0.45	273	4.37	0.09	38.5	568	8.0	<0.005
G037	26.7	3.00	7.8	0.05	0.06	5.7	0.30	217	3.92	0.02	29.2	453	6.1	<0.005
G038	27.0	2.82	7.3	0.04	0.05	5.6	0.35	258	2.84	0.03	26.9	544	6.3	<0.005
G039	27.1	3.58	3.7	0.07	0.03	4.7	0.19	211	4.31	0.04	30.5	637	6.7	<0.005
G040	150.1	2.20	9.3	0.04	0.16	7.7	0.44	402	5.91	0.27	21.6	294	30.3	<0.005
G041	10.7	1.50	5.0	0.03	0.02	3.8	0.17	119	2.72	0.02	11.6	321	3.8	<0.005
G042	18.3	2.31	5.9	0.02	0.05	5.1	0.32	180	1.63	0.02	17.7	377	3.8	<0.005
G043	20.5	2.10	4.5	0.02	0.04	4.9	0.30	147	1.20	0.02	14.9	381	2.9	<0.005
G044	32.9	2.44	7.2	0.03	0.04	5.8	0.34	407	2.76	0.03	29.4	711	6.9	<0.005
G045	21.1	1.85	4.0	0.05	0.08	8.7	0.38	696	4.38	0.03	12.0	625	5.4	0.005
G046	49.9	2.30	8.5	0.06	0.08	69.0	0.37	254	2.44	0.04	18.6	673	6.6	<0.005
G047	20.6	2.41	5.4	0.01	0.26	27.8	0.59	354	1.19	0.03	9.3	1012	17.0	<0.005
G048	19.0	2.23	7.1	0.03	0.07	4.9	0.30	221	0.88	0.02	12.7	734	5.1	<0.005
G049	14.0	2.01	5.7	0.03	0.06	3.8	0.27	253	0.74	0.02	10.4	888	4.3	<0.005
G050	13.5	1.78	5.1	0.08	0.06	3.7	0.28	285	1.19	0.02	10.9	549	3.7	<0.005
G051	16.5	2.05	6.2	0.03	0.05	4.7	0.25	236	0.76	0.02	12.1	977	7.8	<0.005
G052	24.5	2.28	7.7	0.03	0.08	7.6	0.37	340	1.31	0.03	13.5	573	8.1	<0.005
G053	16.8	2.06	6.4	0.03	0.06	5.3	0.20	219	0.89	0.02	9.8	950	8.2	<0.005
G054	14.2	1.70	6.0	0.02	0.06	5.6	0.19	345	0.66	0.03	8.6	679	6.5	<0.005
G055	15.9	2.05	5.7	0.03	0.06	5.0	0.22	234	0.87	0.02	11.2	784	7.2	<0.005
G056	12.7	1.91	5.2	0.01	0.06	5.0	0.18	193	0.62	0.02	9.3	657	4.8	<0.005
G057	12.4	1.80	4.6	0.01	0.06	6.5	0.25	273	0.69	0.03	8.0	243	4.5	<0.005
G058	13.9	1.54	4.1	0.02	0.05	7.8	0.25	240	0.51	0.02	7.7	440	3.8	<0.005
G059	11.7	1.90	4.5	0.02	0.04	4.2	0.20	144	1.16	0.02	8.8	856	3.7	<0.005
G060	21.3	2.59	6.1	0.02	0.10	4.3	0.35	451	1.56	0.02	14.7	741	5.2	<0.005



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To: **Gorilla Minerals Corp.**  
**2001-1050 Burrard Street**  
**Vancouver, BC**  
**V6Z 2R9**

**CERTIFICATE OF ANALYSIS: YVR1710586A**

Project Name:  
Job Received Date: 04-Jul-2017  
Job Report Date: 26-Jul-2017  
Report Version: Final

Sample ID	IMS-117 Cu ppm	IMS-117 Fe %	IMS-117 Ga ppm	IMS-117 Hg ppm	IMS-117 K %	IMS-117 La ppm	IMS-117 Mg %	IMS-117 Mn ppm	IMS-117 Mo ppm	IMS-117 Na %	IMS-117 Ni ppm	IMS-117 P ppm	IMS-117 Pb ppm	IMS-117 Re ppm
G051	26.7	2.65	6.6	0.01	0.11	7.1	0.44	425	2.17	0.03	15.4	412	5.4	<0.005
G052	16.7	2.56	6.0	0.02	0.08	4.8	0.32	186	1.71	0.02	10.8	676	7.8	<0.005
G053	21.3	2.76	5.9	0.02	0.12	5.2	0.35	218	1.55	0.02	10.3	625	7.3	<0.005
G054	14.0	1.87	4.9	0.04	0.05	4.5	0.19	133	0.78	0.02	8.3	825	4.9	<0.005
G055	14.9	1.92	4.9	0.03	0.04	4.7	0.20	110	0.69	0.02	7.7	711	4.2	<0.005
G056	26.5	2.13	6.7	0.02	0.13	6.6	0.37	227	1.20	0.04	15.4	181	6.8	<0.005
G057	20.1	2.12	4.8	0.03	0.11	8.5	0.30	187	0.80	0.02	10.5	632	5.2	<0.005
G058	17.0	2.04	4.5	<0.01	0.12	6.5	0.40	212	0.86	0.03	10.9	304	5.2	<0.005
G059	45.6	3.07	8.5	0.04	0.12	17.4	0.39	871	3.46	0.04	20.7	371	7.8	<0.005
G070	16.5	1.94	3.2	<0.01	0.08	6.8	0.27	177	0.48	0.02	8.7	446	3.3	<0.005
G071	16.6	2.23	6.7	0.03	0.06	5.7	0.24	178	0.64	0.03	11.5	937	5.9	<0.005
G072	18.6	2.13	7.1	0.02	0.05	4.8	0.26	124	0.65	0.03	11.6	810	5.6	<0.005
G073	11.4	1.97	5.4	0.02	0.05	4.3	0.18	149	0.69	0.02	8.8	944	4.5	<0.005
G074	14.4	1.84	5.8	0.02	0.05	5.0	0.26	199	0.62	0.02	10.5	466	4.9	<0.005
G075	19.2	2.20	6.6	0.02	0.06	4.7	0.30	196	0.81	0.02	13.7	857	4.9	<0.005
G076	16.5	1.65	4.8	0.02	0.05	4.8	0.33	178	0.71	0.02	11.9	225	4.4	<0.005
G077	10.2	1.32	5.4	0.02	0.04	4.1	0.17	86	0.49	0.02	5.9	377	5.3	<0.005
G078	15.9	1.87	6.2	0.01	0.05	5.1	0.24	183	0.48	0.02	11.5	497	5.2	<0.005
G079	13.6	1.77	6.1	0.02	0.05	5.4	0.23	147	0.69	0.02	7.8	664	5.3	<0.005
G080	12.4	1.81	5.8	0.03	0.04	4.7	0.22	257	0.70	0.02	8.8	819	5.3	<0.005
G081	12.7	1.81	5.8	0.03	0.04	4.7	0.22	245	0.71	0.02	8.9	791	5.2	<0.005
G082	13.0	1.70	5.5	0.03	0.05	4.8	0.25	175	0.91	0.02	8.2	489	5.3	<0.005
G083	12.2	1.45	5.0	0.03	0.04	5.5	0.22	131	0.93	0.03	7.2	497	5.3	<0.005
G084	25.0	2.55	7.8	0.03	0.13	8.2	0.48	192	2.21	0.04	14.6	440	7.1	<0.005
G085	20.8	2.28	6.2	0.03	0.05	4.9	0.37	178	0.88	0.03	18.6	815	5.4	<0.005



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To: **Gorilla Minerals Corp.**  
**2001-1050 Burrard Street**  
**Vancouver, BC**  
**V6Z 2R9**

**CERTIFICATE OF ANALYSIS: YVR1710586A**

Project Name:  
Job Received Date: 04-Jul-2017  
Job Report Date: 26-Jul-2017  
Report Version: Final

Sample ID	IMS-117 Cu ppm	IMS-117 Fe %	IMS-117 Ga ppm	IMS-117 Hg ppm	IMS-117 K %	IMS-117 La ppm	IMS-117 Mg %	IMS-117 Mn ppm	IMS-117 Mo ppm	IMS-117 Na %	IMS-117 Ni ppm	IMS-117 P ppm	IMS-117 Pb ppm	IMS-117 Re ppm
G086	21.6	2.25	4.8	0.03	0.05	4.4	0.31	332	0.63	0.02	15.0	955	5.9	<0.005
G087	9.6	1.65	4.3	0.03	0.03	3.3	0.13	73	0.72	0.02	4.3	682	4.6	<0.005
G088	26.9	2.64	4.1	0.03	0.06	4.9	0.32	294	0.93	0.02	11.1	772	5.3	<0.005
G089	19.2	1.90	3.5	0.03	0.06	8.1	0.35	753	2.40	0.02	10.7	592	4.7	<0.005
G090	18.0	2.02	4.0	0.02	0.05	3.5	0.21	185	0.68	0.02	9.0	793	5.2	<0.005
G091	16.4	2.11	4.8	0.03	0.07	4.6	0.23	275	0.85	0.02	8.9	1349	7.6	<0.005
G092	19.7	2.25	4.5	0.03	0.08	4.6	0.27	456	0.84	0.02	12.1	1363	6.8	<0.005
G093	30.1	2.39	4.6	0.02	0.19	8.4	0.49	392	1.81	0.03	13.0	371	5.0	<0.005
G094	19.2	1.94	3.8	<0.01	0.10	5.5	0.35	236	0.85	0.03	9.9	309	4.3	<0.005
G095	34.5	2.68	5.2	0.02	0.17	9.2	0.44	431	1.03	0.03	16.3	275	6.1	<0.005
G096	50.0	2.42	5.1	0.03	0.08	12.9	0.30	212	1.18	0.03	14.9	388	7.7	<0.005
G022.5	152.4	2.30	7.9	0.03	0.16	8.2	0.45	427	6.24	0.26	20.7	300	33.5	<0.005
G053.5	148.8	2.26	7.8	0.03	0.16	8.1	0.45	429	6.11	0.26	20.4	295	34.2	<0.005
DUP 8026	21.5	2.46	7.3	0.03	0.04	5.5	0.30	177	2.00	0.02	17.6	556	6.4	<0.005
DUP 8052	19.3	2.22	4.5	0.02	0.06	5.9	0.12	212	0.73	0.02	15.9	653	5.3	<0.005
DUP G054	22.4	2.35	3.7	0.05	0.05	5.3	0.34	142	1.91	0.02	18.4	591	6.6	<0.005
DUP G070	16.9	1.92	3.3	<0.01	0.08	6.9	0.26	176	0.48	0.02	8.8	449	3.6	<0.005
STD BLANK	<0.2	<0.01	<0.1	<0.01	<0.01	<0.5	<0.01	<5	<0.05	<0.01	<0.1	<10	<0.2	<0.005



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To: **Gorilla Minerals Corp.**  
**2001-1050 Burrard Street**  
**Vancouver, BC**  
**V6Z 2R9**

**CERTIFICATE OF ANALYSIS: YVR1710586A**

Project Name:  
Job Received Date: 04-Jul-2017  
Job Report Date: 26-Jul-2017  
Report Version: Final

	IMS-117 Cu ppm	IMS-117 Fe %	IMS-117 Ga ppm	IMS-117 Hg ppm	IMS-117 X %	IMS-117 La ppm	IMS-117 Mg %	IMS-117 Mn ppm	IMS-117 Mo ppm	IMS-117 Na %	IMS-117 Ni ppm	IMS-117 P ppm	IMS-117 Pb ppm	IMS-117 Re ppm
Sample ID	0.2	0.01	0.1	0.01	0.01	0.5	0.01	5	0.05	0.01	0.1	10	0.2	0.005
STD BLANK	<0.2	<0.01	<0.1	<0.01	<0.01	<0.5	<0.01	<5	<0.05	<0.01	<0.1	<10	<0.2	<0.005
STD BLANK	<0.2	<0.01	<0.1	<0.01	<0.01	<0.5	<0.01	<5	<0.05	<0.01	<0.1	<10	<0.2	<0.005
STD BLANK	<0.2	<0.01	<0.1	<0.01	<0.01	<0.5	<0.01	<5	<0.05	<0.01	<0.1	<10	<0.2	<0.005
STD OREAS 504	6333.5	6.61	3.5	0.04	0.64	35.7	0.14	401	2.16	<0.01	37.1	946	8.6	<0.005
STD OREAS 29b	34.7	3.75	10.2	<0.01	1.11	27.4	1.34	338	7.53	0.10	53.8	580	8.8	<0.005
STD OREAS 601	972.7	2.22	5.3	0.32	0.27	22.0	0.21	430	3.69	0.08	24.0	356	282.0	<0.005
STD OREAS 24b	35.7	3.88	10.7	<0.01	1.13	30.4	1.34	337	3.90	0.10	56.3	598	9.0	<0.005



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**CERTIFICATE OF ANALYSIS: YVR1710586A**

Project Name:  
Job Received Date: 04-Jul-2017  
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	IMS-117 S %	IMS-117 Sb ppm	IMS-117 Sc ppm	IMS-117 Se ppm	IMS-117 Sr ppm	IMS-117 Te ppm	IMS-117 Th ppm	IMS-117 Ti %	IMS-117 Tl ppm	IMS-117 U ppm	IMS-117 V ppm	IMS-117 W ppm	IMS-117 Y ppm	IMS-117 Zn ppm
Sample ID	0.01	0.05	0.1	0.2	0.5	0.05	0.2	0.005	0.05	0.05	0.05	0.05	0.5	2
B001	0.01	0.32	2.8	<0.2	16.0	0.11	1.6	0.141	0.15	0.66	56	0.30	5.6	169
B002	0.02	0.38	3.5	0.4	18.6	0.09	2.2	0.160	0.20	1.05	51	0.34	11.4	154
B003	0.01	0.47	2.9	0.4	17.1	0.11	2.0	0.136	0.14	0.76	66	0.37	9.3	148
B004	0.02	0.46	2.5	0.2	14.2	0.14	1.6	0.132	0.11	0.50	67	0.40	3.2	99
B005	0.01	0.37	2.9	0.2	15.2	0.70	1.7	0.136	0.15	0.47	52	0.74	3.3	131
B006	0.02	0.59	3.6	0.3	50.9	0.14	1.6	0.136	0.22	0.60	75	0.97	4.2	189
B007	0.02	2.61	3.0	0.9	140.0	0.21	1.9	0.096	0.37	0.95	85	0.49	9.9	467
B008	0.02	2.08	3.1	2.2	132.7	0.23	2.1	0.102	0.24	1.15	88	0.60	8.8	511
B009	0.01	0.46	3.3	0.5	33.4	0.06	2.0	0.145	0.18	0.81	68	0.24	6.6	160
B010	0.02	0.51	3.1	0.4	34.7	0.06	1.8	0.140	0.31	0.61	75	0.43	4.1	219
B011	0.02	0.33	2.6	0.3	19.3	0.11	1.6	0.122	0.24	0.51	58	0.24	3.8	93
B012	0.02	0.28	2.4	0.3	11.4	<0.05	1.3	0.105	0.10	0.43	61	0.19	3.2	78
B013	0.01	0.36	7.7	0.3	14.3	0.05	1.7	0.109	0.11	0.44	67	0.19	3.7	72
B014	<0.01	0.37	2.5	0.2	20.1	<0.05	1.5	0.099	0.10	0.38	67	0.16	3.4	70
B015	0.02	0.43	2.7	0.4	17.7	0.08	1.9	0.114	0.12	0.67	72	0.34	4.8	106
B016	0.04	0.69	3.1	1.2	39.9	0.06	1.3	0.105	0.23	1.49	71	0.26	5.1	116
B017	0.44	10.88	0.1	32.1	360.1	<0.05	<0.2	0.005	0.37	6.44	28	0.56	0.6	127
B018	0.60	24.01	0.1	43.4	337.7	<0.05	<0.2	<0.005	0.60	5.02	73	0.59	<0.5	155
B019	0.01	0.62	3.0	0.5	18.3	0.06	1.7	0.118	0.16	0.51	78	0.33	4.4	137
B020	0.02	0.46	2.1	0.4	19.7	<0.05	1.3	0.100	0.16	0.40	67	0.28	2.9	115
B021	0.01	0.41	2.2	0.4	15.2	<0.05	1.5	0.092	0.13	0.44	73	0.37	3.1	105
B022	0.01	0.33	2.1	0.4	14.0	0.08	1.4	0.096	0.09	0.49	56	0.28	4.5	89
B023	0.02	0.57	2.9	0.5	27.4	0.08	1.4	0.111	0.16	0.55	72	0.34	4.7	129
B024	0.02	0.46	2.5	0.5	16.2	0.09	1.9	0.119	0.17	0.54	73	0.41	4.3	136
B025	0.02	0.62	2.7	0.6	29.2	0.07	1.5	0.135	0.31	0.61	73	0.42	11.7	222



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**V6Z 2R9**

**CERTIFICATE OF ANALYSIS: YVR1710586A**

Project Name:  
Job Received Date: 04-Jul-2017  
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Sample ID	IMS-117 S %	IMS-117 Sb ppm	IMS-117 Sc ppm	IMS-117 Se ppm	IMS-117 Sr ppm	IMS-117 Te ppm	IMS-117 Th ppm	IMS-117 Ti %	IMS-117 Tl ppm	IMS-117 U ppm	IMS-117 V ppm	IMS-117 W ppm	IMS-117 Y ppm	IMS-117 Zn ppm
B026	0.02	0.47	3.2	0.5	15.3	0.09	2.2	0.127	0.28	0.64	72	0.48	4.9	151
B027	0.02	0.29	2.0	0.3	11.2	0.17	1.7	0.105	0.14	0.46	57	3.60	3.1	75
B028	0.02	0.39	1.7	0.7	19.8	2.00	0.9	0.093	0.45	0.50	45	0.43	9.5	67
B029	0.01	0.47	3.1	0.6	39.8	0.25	2.2	0.155	0.16	1.15	58	1.18	8.2	155
B030	0.03	0.42	3.0	0.5	17.6	1.06	2.1	0.129	0.23	0.43	51	1.86	4.2	118
B031	0.02	0.50	2.9	0.5	31.4	0.44	2.0	0.127	0.19	0.77	77	0.29	5.4	200
B032	0.02	0.25	1.3	0.3	21.0	0.11	1.1	0.109	0.09	0.31	61	0.26	1.7	80
B033	0.02	0.39	2.2	0.4	27.3	0.08	1.6	0.126	0.26	0.54	72	0.28	3.6	111
B034	0.02	2.84	4.5	1.0	346.3	0.13	1.7	0.094	0.34	1.38	123	0.30	8.4	542
B035	0.02	2.20	2.9	1.2	196.3	0.11	1.9	0.112	1.09	1.38	119	0.41	7.5	504
B036	0.03	2.08	1.9	3.5	49.7	0.15	1.3	0.091	0.26	0.79	76	0.30	3.7	397
B037	0.02	0.58	4.1	0.6	24.2	0.08	1.8	0.127	0.17	0.55	87	0.36	4.5	163
B038	0.03	0.41	2.6	1.3	136.4	<0.05	1.6	0.109	0.26	2.96	69	0.27	4.6	306
B039	<0.01	0.44	2.2	0.6	39.4	0.16	1.6	0.103	0.15	0.74	74	0.31	3.7	206
B040	0.64	15.01	4.6	1.1	862.1	0.17	2.5	0.104	0.08	2.58	51	0.61	8.2	545
B041	0.01	0.09	1.9	0.3	21.8	<0.05	1.1	0.126	0.09	0.78	46	0.12	6.7	53
B042	0.02	0.14	3.5	0.9	32.3	<0.05	1.6	0.133	0.18	1.42	63	0.11	7.3	88
B043	0.01	0.12	2.0	<0.2	13.1	<0.05	1.7	0.095	0.06	0.54	50	0.12	2.8	39
B044	<0.01	0.21	3.0	<0.2	26.5	<0.05	2.0	0.115	0.10	0.76	73	0.12	4.6	43
B045	<0.01	0.22	2.4	<0.2	18.6	<0.05	1.5	0.108	0.06	0.38	61	0.12	2.6	46
B046	0.01	0.19	2.2	<0.2	18.3	<0.05	1.2	0.114	0.06	0.35	57	0.11	2.1	54
B047	<0.01	0.20	2.2	<0.2	15.2	<0.05	1.6	0.104	0.07	0.42	56	0.11	2.6	48
B048	0.03	0.22	6.2	0.6	41.8	<0.05	2.3	0.097	0.15	5.53	68	0.11	15.5	62
B049	<0.01	0.16	1.9	<0.2	14.9	<0.05	1.6	0.086	0.05	0.45	55	0.10	2.8	46
B050	<0.01	0.12	1.9	<0.2	14.9	<0.05	1.7	0.085	0.07	0.46	49	0.11	3.0	60



**MS Analytical**

An A2 Global Company

MS Analytical  
Unit 1, 20120 102nd Avenue  
Langley, BC V1M 4B4  
Phone: +1-604-888-0875

To: **Gorilla Minerals Corp.**  
**2001-1050 Burrard Street**  
**Vancouver, BC**  
**V6Z 2R9**

**CERTIFICATE OF ANALYSIS: YVR1710586A**

Project Name:  
Job Received Date: 04-Jul-2017  
Job Report Date: 26-Jul-2017  
Report Version: Final

Sample ID	IMS-117 S %	IMS-117 Sb ppm	IMS-117 Sc ppm	IMS-117 Se ppm	IMS-117 Sr ppm	IMS-117 Te ppm	IMS-117 Th ppm	IMS-117 Ti %	IMS-117 Tl ppm	IMS-117 U ppm	IMS-117 V ppm	IMS-117 W ppm	IMS-117 Y ppm	IMS-117 Zn ppm
B051	0.01	0.15	1.9	<0.2	20.9	0.06	1.5	0.091	0.07	0.39	52	0.10	2.6	60
B052	<0.01	0.26	2.5	<0.2	24.2	<0.05	1.6	0.106	0.07	0.45	60	0.11	4.1	64
B053	<0.01	0.14	1.5	<0.2	19.3	<0.05	1.1	0.091	0.06	0.36	47	0.08	2.9	29
B054	<0.01	0.14	1.7	<0.2	19.3	<0.05	1.5	0.091	0.05	0.45	50	0.10	2.6	33
B055	0.01	0.30	4.2	<0.2	36.2	<0.05	2.4	0.127	0.13	3.05	64	0.14	8.0	42
B056	<0.01	0.15	2.7	<0.2	13.1	0.05	2.4	0.129	0.10	0.64	67	0.15	3.8	60
B057	<0.01	0.16	2.2	<0.2	17.7	<0.05	1.7	0.104	0.06	0.51	57	0.11	2.6	44
B058	<0.01	0.16	2.2	<0.2	18.9	<0.05	1.6	0.110	0.07	0.56	58	0.12	3.7	52
B059	0.01	0.15	1.8	<0.2	14.3	0.08	1.5	0.105	0.07	0.41	57	0.14	2.5	63
B060	<0.01	0.16	2.6	<0.2	18.5	0.05	2.3	0.125	0.13	0.60	69	0.13	3.6	58
B061	<0.01	0.17	2.3	<0.2	11.7	<0.05	2.1	0.097	0.09	0.61	64	0.30	3.3	72
B062	<0.01	0.08	1.3	<0.2	16.9	<0.05	1.2	0.086	<0.05	0.39	36	0.08	2.5	29
B063	0.01	0.12	1.5	<0.2	17.1	<0.05	1.4	0.083	0.06	0.42	46	0.11	3.0	42
B064	0.01	0.12	1.4	<0.2	27.8	<0.05	1.3	0.081	0.06	0.36	46	0.10	2.3	62
B065	<0.01	0.09	1.8	<0.2	14.4	<0.05	1.3	0.114	0.07	0.40	42	0.09	2.6	45
B066	<0.01	0.12	1.9	<0.2	14.8	<0.05	1.5	0.096	0.07	0.47	47	0.10	2.9	52
B067	<0.01	0.14	1.8	<0.2	22.0	<0.05	1.0	0.092	0.05	0.49	45	0.08	2.7	47
B068	<0.01	0.13	1.7	<0.2	19.7	<0.05	1.1	0.102	0.06	0.34	48	0.09	2.4	57
B069	<0.01	0.15	1.9	<0.2	17.2	<0.05	1.8	0.089	0.06	0.49	53	0.11	3.3	39
B070	0.01	0.15	2.0	<0.2	10.8	<0.05	1.5	0.100	0.06	0.45	51	0.12	2.9	55
B071	<0.01	0.18	2.0	<0.2	17.3	<0.05	1.5	0.110	0.05	0.47	57	0.15	2.5	45
B072	<0.01	0.12	2.3	<0.2	13.5	<0.05	1.9	0.111	0.08	0.60	60	0.15	3.3	45
B073	0.01	0.16	2.3	<0.2	12.2	0.06	2.1	0.115	0.07	0.53	57	0.18	3.1	48
B074	0.02	0.10	2.1	<0.2	24.3	<0.05	1.2	0.098	0.10	0.98	42	0.12	3.8	63
B075	0.02	0.15	2.0	<0.2	10.6	0.09	2.0	0.105	0.07	0.55	64	0.15	2.6	50



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**V6Z 2R9**

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Project Name:  
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Sample ID	IMS-117 S %	IMS-117 Sb ppm	IMS-117 Sc ppm	IMS-117 Se ppm	IMS-117 Sr ppm	IMS-117 Te ppm	IMS-117 Th ppm	IMS-117 Ti %	IMS-117 Tl ppm	IMS-117 U ppm	IMS-117 V ppm	IMS-117 W ppm	IMS-117 Y ppm	IMS-117 Zn ppm
B076	<0.01	0.16	2.0	<0.2	13.8	<0.05	1.5	0.099	0.08	0.43	64	0.13	2.3	76
B077	<0.01	0.12	1.5	<0.2	25.2	<0.05	1.0	0.103	0.08	0.33	41	0.09	2.2	43
B078	0.01	0.13	2.7	<0.2	31.1	<0.05	1.5	0.109	0.13	0.82	54	0.09	4.2	66
B079	<0.01	0.19	2.5	<0.2	19.7	<0.05	1.9	0.113	0.07	0.53	58	0.12	3.1	69
B080	<0.01	0.14	1.8	<0.2	12.5	<0.05	1.8	0.101	0.07	0.49	56	0.11	2.9	59
B081	<0.01	0.13	1.9	<0.2	12.8	<0.05	1.9	0.103	0.07	0.50	58	0.11	2.9	59
B082	0.03	0.13	2.6	0.9	36.8	<0.05	1.9	0.110	0.13	1.32	57	0.11	5.6	54
B083	0.01	0.18	2.7	<0.2	14.9	<0.05	1.9	0.133	0.13	0.45	65	0.12	2.9	52
B084	<0.01	0.14	3.2	<0.2	12.6	<0.05	1.9	0.209	0.17	0.54	91	0.14	3.3	60
B085	0.01	0.14	2.6	<0.2	9.9	0.07	2.1	0.241	0.17	0.66	86	0.18	2.8	89
B086	0.01	0.15	3.6	<0.2	13.6	0.06	2.1	0.227	0.27	0.67	95	0.19	3.6	143
B087	0.03	0.32	5.6	0.5	13.3	0.13	1.3	0.340	0.33	0.34	153	0.35	2.9	157
B004.5	0.57	15.66	4.3	1.0	838.7	0.21	2.6	0.106	0.08	2.63	52	0.58	8.1	536
B030.5	0.62	15.67	4.6	0.9	892.6	0.16	2.7	0.106	0.08	2.74	53	0.59	8.3	557
B070.5	0.67	16.32	4.5	1.1	881.2	0.30	2.6	0.104	0.08	2.72	52	0.61	8.2	550
G001	0.01	1.56	3.7	0.8	91.3	0.25	2.2	0.111	0.58	1.09	98	0.68	7.1	517
G002	0.02	0.92	3.2	0.6	117.2	<0.05	2.1	0.120	0.28	1.06	82	0.21	6.5	405
G003	0.02	0.65	3.3	0.6	50.4	0.09	1.7	0.136	0.52	0.66	69	0.22	4.6	200
G004	0.01	0.51	3.1	0.4	19.7	0.07	2.0	0.123	0.33	0.61	75	0.28	4.1	118
G005	0.02	0.33	2.6	0.4	18.1	0.05	1.7	0.106	0.12	0.52	62	0.16	4.0	96
G006	0.01	1.56	4.7	1.0	145.0	0.08	2.5	0.138	0.58	1.24	109	0.25	9.7	373
G007	0.01	1.01	2.9	0.6	58.0	0.07	1.7	0.121	1.23	0.63	90	0.27	4.1	310
G008	0.01	0.76	3.0	0.5	79.4	0.17	1.6	0.114	0.61	0.55	92	0.55	3.9	235
G009	0.02	0.66	3.0	0.4	42.4	0.26	2.1	0.110	0.90	0.58	70	0.24	4.0	145
G010	0.01	0.51	2.5	0.4	22.4	0.23	1.7	0.132	0.19	0.63	64	0.25	6.8	189



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**V6Z 2R9**

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G011	0.02	0.35	2.0	0.3	13.2	0.07	1.5	0.094	0.10	0.39	60	0.18	2.7	88
G012	0.02	0.28	2.1	0.3	15.3	0.18	1.1	0.083	0.11	0.40	52	0.19	3.9	67
G013	0.01	0.31	2.3	0.4	13.2	0.06	1.9	0.110	0.11	0.45	62	0.25	3.2	73
G014	0.01	0.38	2.7	0.4	12.9	0.09	1.7	0.119	0.26	0.49	67	0.26	3.4	108
G015	0.02	0.24	1.8	0.3	10.7	0.09	1.3	0.092	0.15	0.40	50	0.29	2.5	49
G016	0.02	0.36	2.8	0.3	13.3	0.09	1.7	0.113	0.13	0.46	59	0.48	3.4	87
G017	0.02	0.52	2.8	0.7	21.9	<0.05	1.3	0.113	0.15	0.85	70	0.40	3.2	161
G018	0.01	0.36	2.6	0.5	20.5	<0.05	1.6	0.116	0.11	0.53	65	0.41	4.3	106
G019	0.02	0.37	2.7	0.5	16.1	0.17	1.5	0.136	0.11	0.44	66	0.45	3.6	117
G020	<0.01	0.33	2.9	0.3	18.8	<0.05	1.6	0.105	0.13	0.43	64	0.26	3.4	69
G021	0.02	0.31	2.7	0.4	12.9	0.17	1.4	0.110	0.13	0.44	62	0.43	3.3	93
G022	0.02	0.32	2.4	0.4	16.7	0.05	1.2	0.108	0.08	0.57	59	0.31	4.5	103
G023	0.01	0.59	3.6	0.8	38.6	0.06	2.1	0.140	0.24	1.88	85	0.32	8.7	181
G024	0.02	0.50	3.5	1.0	70.4	0.10	2.0	0.138	0.19	1.14	84	0.28	6.2	287
G025	0.02	0.41	3.1	0.7	29.6	0.09	1.6	0.130	0.11	0.58	73	0.33	4.1	171
G026	<0.01	0.53	3.3	0.5	44.5	0.10	1.4	0.113	0.25	0.45	84	0.50	4.4	142
G027	0.02	0.41	2.7	0.4	17.1	0.14	1.2	0.101	0.14	0.42	71	0.39	3.4	77
G028	<0.01	0.45	3.0	0.5	17.0	0.06	1.6	0.115	0.22	0.50	69	0.26	4.0	147
G029	0.02	0.48	2.6	0.4	12.9	0.43	1.5	0.100	0.50	0.48	59	0.43	4.6	99
G030	0.02	0.33	3.0	0.5	18.6	0.20	1.2	0.122	0.16	0.49	62	0.32	3.6	81
G031	0.02	0.29	2.4	0.3	9.3	0.14	1.7	0.133	0.31	0.39	48	0.36	3.1	81
G032	0.01	0.35	4.0	0.4	19.8	<0.05	2.1	0.136	0.14	0.62	62	0.75	6.1	90
G033	0.02	1.08	3.9	0.9	86.2	0.10	2.3	0.181	0.67	1.82	82	0.26	10.7	181
G034	0.02	1.91	4.1	1.8	157.4	0.11	1.9	0.136	0.53	1.51	147	0.57	9.0	759
G035	<0.01	0.97	3.5	0.8	61.6	0.06	1.9	0.130	0.58	0.76	89	0.26	5.3	272



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G036	0.02	2.55	0.1	1.4	565.9	0.09	1.9	0.111	0.59	1.42	102	0.26	13.0	342
G037	0.02	1.15	2.9	1.5	44.2	0.07	1.6	0.124	0.37	0.66	74	0.25	4.8	179
G038	0.01	0.88	3.1	1.0	35.5	0.07	1.8	0.129	0.23	0.57	70	0.93	4.6	124
G039	0.04	1.17	1.8	2.3	47.1	0.14	1.3	0.115	0.15	0.61	65	0.28	4.3	191
G040	0.67	14.32	5.0	1.2	843.3	0.12	2.4	0.105	0.08	2.55	49	0.71	8.6	520
G041	0.01	0.26	1.9	0.6	18.6	<0.05	1.2	0.086	0.28	0.56	46	0.17	3.0	91
G042	<0.01	0.33	3.1	0.3	18.2	<0.05	1.6	0.110	0.12	0.48	69	0.20	4.1	82
G043	0.01	0.35	2.7	0.3	15.9	0.05	1.3	0.088	0.10	0.37	64	0.15	3.5	52
G044	0.02	0.56	2.8	0.6	29.9	0.13	1.5	0.122	0.22	0.75	71	5.01	4.5	252
G045	0.04	0.15	3.0	1.2	31.7	<0.05	0.9	0.106	0.16	1.48	52	0.12	8.0	82
G046	0.04	0.22	4.0	0.8	73.6	<0.05	1.1	0.081	0.13	10.02	61	0.21	35.8	53
G047	<0.01	0.17	3.5	<0.2	40.1	<0.05	7.3	0.117	0.19	1.87	63	0.26	8.1	55
G048	0.01	0.16	2.6	<0.2	15.7	<0.05	1.6	0.127	0.07	0.53	57	0.15	3.4	50
G049	<0.01	0.14	2.1	<0.2	14.5	0.05	1.4	0.109	0.08	0.37	51	0.14	2.3	54
G050	0.03	0.17	1.7	<0.2	27.3	<0.05	1.1	0.097	0.06	0.30	47	0.13	7.1	40
G051	<0.01	0.20	2.3	<0.2	17.3	<0.05	1.6	0.100	0.08	0.46	52	0.15	3.2	77
G052	0.02	0.12	3.2	<0.2	29.8	<0.05	1.5	0.109	0.10	0.91	57	0.16	4.7	99
G053	0.02	0.14	2.1	<0.2	18.9	<0.05	1.6	0.100	0.07	0.54	52	0.15	3.5	57
G054	0.01	0.12	1.7	<0.2	24.9	<0.05	1.0	0.095	0.06	0.38	44	0.11	3.6	61
G055	0.01	0.16	1.5	<0.2	19.3	<0.05	1.4	0.096	0.06	0.42	53	0.14	3.0	85
G056	<0.01	0.10	1.6	<0.2	22.4	<0.05	1.3	0.090	0.05	0.40	51	0.13	2.8	43
G057	<0.01	0.11	2.2	<0.2	24.0	<0.05	1.6	0.095	0.08	0.85	47	0.10	4.2	32
G058	<0.01	0.14	2.0	<0.2	24.3	<0.05	1.6	0.091	0.06	0.64	41	0.12	4.7	31
G059	<0.01	0.13	1.7	<0.2	14.3	<0.05	1.5	0.087	<0.05	0.37	52	0.15	2.4	36
G060	<0.01	0.18	2.9	<0.2	12.7	0.06	1.9	0.147	0.14	0.46	70	0.24	3.0	85



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G061	<0.01	0.16	3.3	<0.2	24.0	<0.05	2.1	0.147	0.13	1.36	68	0.14	4.5	62
G062	<0.01	0.20	2.7	<0.2	14.6	<0.05	1.6	0.101	0.08	0.50	66	0.14	2.8	68
G063	<0.01	0.32	2.9	<0.2	12.4	<0.05	1.8	0.123	0.11	0.57	71	0.14	3.3	64
G064	0.01	0.15	1.7	<0.2	12.0	<0.05	1.6	0.092	<0.05	0.44	50	0.13	2.5	44
G065	<0.01	0.11	1.8	<0.2	10.5	<0.05	1.8	0.098	0.06	0.44	51	0.20	2.6	38
G066	0.01	0.14	3.4	<0.2	32.5	<0.05	2.3	0.146	0.18	1.17	55	0.12	5.4	60
G067	0.01	0.14	2.6	<0.2	18.8	<0.05	2.1	0.107	0.10	0.68	58	0.16	5.5	44
G068	<0.01	0.17	2.8	<0.2	27.4	<0.05	1.9	0.128	0.12	0.84	59	0.13	4.4	46
G069	0.02	0.24	7.9	0.5	47.4	0.07	3.9	0.127	0.20	4.90	68	0.16	15.8	51
G070	<0.01	0.16	2.4	<0.2	19.2	<0.05	1.9	0.091	0.07	0.58	57	0.11	4.6	29
G071	0.01	0.13	2.2	<0.2	16.6	<0.05	1.7	0.111	0.07	0.54	56	0.14	4.1	69
G072	<0.01	0.12	2.3	<0.2	19.8	<0.05	1.6	0.114	0.06	0.56	51	0.13	3.2	53
G073	0.01	0.13	1.7	<0.2	18.5	<0.05	1.4	0.101	<0.05	0.40	52	0.15	2.5	41
G074	<0.01	0.15	2.1	<0.2	20.5	<0.05	1.1	0.114	0.06	0.40	50	0.11	3.2	47
G075	<0.01	0.22	2.6	<0.2	19.2	<0.05	1.5	0.118	0.06	0.50	57	0.14	3.3	47
G076	<0.01	0.21	2.0	<0.2	25.2	<0.05	1.2	0.107	0.08	0.42	47	0.10	3.1	33
G077	<0.01	0.07	1.4	<0.2	12.7	<0.05	1.0	0.094	0.06	0.38	34	0.11	2.2	39
G078	<0.01	0.14	1.9	<0.2	22.5	<0.05	1.1	0.102	0.05	0.39	49	0.11	3.3	41
G079	<0.01	0.12	2.0	<0.2	14.9	<0.05	1.7	0.117	0.07	0.51	46	0.14	3.1	43
G080	<0.01	0.16	1.8	<0.2	13.9	<0.05	1.6	0.103	0.06	0.44	47	0.13	2.7	46
G081	<0.01	0.17	1.8	<0.2	13.7	<0.05	1.5	0.104	0.06	0.54	47	0.14	2.7	46
G082	0.01	0.15	1.9	<0.2	23.1	<0.05	1.2	0.100	0.06	0.42	45	0.13	2.7	47
G083	0.02	0.11	1.8	0.3	26.1	<0.05	0.5	0.085	0.07	0.62	36	0.10	4.4	47
G084	0.01	0.12	3.1	0.4	31.8	<0.05	1.9	0.144	0.11	1.36	63	0.11	4.7	68
G085	<0.01	0.23	2.6	<0.2	17.5	<0.05	1.6	0.101	0.06	0.47	59	0.13	2.9	46



**MS Analytical**

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Phone: +1-604-888-0875

To: **Gorilla Minerals Corp.**  
**2001-1050 Burrard Street**  
**Vancouver, BC**  
**V6Z 2R9**

**CERTIFICATE OF ANALYSIS: YVR1710586A**

Project Name:  
Job Received Date: 04-Jul-2017  
Job Report Date: 26-Jul-2017  
Report Version: Final

Sample ID	IMS-117 S %	IMS-117 Sb ppm	IMS-117 Sc ppm	IMS-117 Se ppm	IMS-117 Sr ppm	IMS-117 Te ppm	IMS-117 Th ppm	IMS-117 Ti %	IMS-117 Tl ppm	IMS-117 U ppm	IMS-117 V ppm	IMS-117 W ppm	IMS-117 Y ppm	IMS-117 Zn ppm
G086	<0.01	0.20	2.3	<0.2	13.8	<0.05	1.9	0.095	0.07	0.51	57	0.12	2.6	52
G087	0.01	0.09	1.4	<0.2	8.2	<0.05	1.2	0.088	<0.05	0.38	45	0.11	1.9	39
G088	<0.01	0.17	2.5	<0.2	11.7	<0.05	2.1	0.105	0.11	0.48	77	0.13	2.8	56
G089	0.02	0.11	2.7	0.8	22.9	<0.05	1.1	0.099	0.14	1.26	55	0.11	6.7	86
G090	<0.01	0.11	1.9	<0.2	9.8	0.06	1.7	0.107	0.07	0.44	57	0.14	2.4	53
G091	<0.01	0.12	2.5	<0.2	12.0	<0.05	2.0	0.128	0.12	0.54	56	0.17	3.0	168
G092	0.01	0.13	2.4	<0.2	15.1	<0.05	2.0	0.134	0.12	0.60	61	0.13	3.0	185
G093	0.01	0.15	4.5	0.3	31.9	<0.05	2.3	0.153	0.21	1.71	71	0.11	6.7	53
G094	<0.01	0.10	2.6	<0.2	22.5	<0.05	1.5	0.129	0.11	0.84	57	0.08	4.0	49
G095	0.01	0.15	4.4	0.2	29.5	<0.05	1.9	0.148	0.21	1.91	72	0.09	8.4	74
G096	0.01	0.14	4.7	0.3	25.1	<0.05	2.0	0.105	0.13	2.45	67	0.12	12.4	65
G022.5	0.65	13.84	4.7	1.0	853.2	0.17	2.7	0.108	0.08	2.78	53	0.64	8.4	551
G033.5	0.66	17.85	4.5	1.0	841.0	0.06	2.7	0.112	0.08	2.77	54	0.65	8.3	556
DUP B026	0.02	0.48	3.0	0.4	14.4	0.10	2.2	0.119	0.28	0.64	72	0.54	4.5	152
DUP B052	<0.01	0.26	2.3	<0.2	22.8	<0.05	1.6	0.103	0.07	0.47	59	0.11	4.1	61
DUP G004	0.01	0.51	3.0	0.4	19.4	0.07	1.9	0.122	0.33	0.61	78	0.26	4.0	170
DUP G070	<0.01	0.17	2.4	<0.2	19.6	<0.05	1.9	0.090	0.07	0.59	57	0.13	4.6	28
STD BLANK	<0.01	<0.05	<0.1	<0.2	<0.5	<0.05	<0.2	<0.005	<0.05	<0.05	<1	<0.05	<0.5	<2



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To: **Gorilla Minerals Corp.**  
**2001-1050 Burrard Street**  
**Vancouver, BC**  
**V6Z 2R9**

**CERTIFICATE OF ANALYSIS: YVR1710586A**

Project Name:  
Job Received Date: 04-Jul-2017  
Job Report Date: 26-Jul-2017  
Report Version: Final

Sample ID	IMS-117 S %	IMS-117 Sb ppm	IMS-117 Sc ppm	IMS-117 Se ppm	IMS-117 Sr ppm	IMS-117 Te ppm	IMS-117 Th ppm	IMS-117 Ti %	IMS-117 Tl ppm	IMS-117 U ppm	IMS-117 V ppm	IMS-117 W ppm	IMS-117 Y ppm	IMS-117 Zn ppm
STD BLANK	<0.01	<0.05	<0.1	<0.2	<0.5	<0.05	<0.2	<0.005	<0.05	<0.05	<1	<0.05	<0.5	<2
STD BLANK	<0.01	<0.05	<0.1	<0.2	<0.5	<0.05	<0.2	<0.005	<0.05	<0.05	<1	<0.05	<0.5	<2
STD BLANK	<0.01	<0.05	<0.1	<0.2	<0.5	<0.05	<0.2	<0.005	<0.05	<0.05	<1	<0.05	<0.5	<2
STD OREAS 904	0.03	0.83	3.8	2.7	16.7	0.05	7.5	<0.005	0.15	5.21	23	0.59	17.6	22
STD OREAS 24b	0.19	0.51	8.9	<0.2	29.1	0.06	13.0	0.179	0.60	1.61	76	1.18	11.4	94
STD OREAS 601	1.04	22.97	1.7	12.1	36.2	16.32	6.9	0.009	0.79	2.03	10	1.09	6.1	1299
STD OREAS 24b	0.19	0.55	9.5	0.2	29.7	<0.05	13.7	0.189	0.63	1.69	77	1.23	11.4	91

Appendix 5 Soil sample locations / descriptions

#	UTM E	UTM N	Horizon	Moisture	Colour	Clay %	Silt %	Sand %	Depth	Comments
B001	712402	5525893	B	Dry	Brown	10	90	0	15	
B002	712377	5525872	B	Moist	Brown	30	65	5	20	
B003	712339	5525836	B	Dry	Light Brown	5	90	5	20	
B004	712303	5525807	B	Dry	Light Brown	5	90	5	10	
B005	712268	5525771	B	Dry	Light Brown	5	90	5	5	
B006	712227	5525733	B	Dry	Brown	5	90	5	10	
B007	712190	5525700	B	Dry	Brown	5	90	5	10	
B008	712116	5525634	B	Dry	Brown	5	90	5	10	
B009	712045	5525572	B	Dry	Light Brown	5	90	5	5	
B010	711965	5525504	B	Dry	Brown	5	90	5	15	
B011	711874	5525680	B	Dry	Light Brown Grey	5	90	5	15	
B012	711907	5525712	B	Dry	Brown	5	90	5	10	
B013	711944	5525745	B	Dry	Brown	5	90	5	10	
B014	711981	5525784	B	Dry	Light Brown	5	90	5	15	
B015	712019	5525816	B	Dry	Brown	10	85	5	20	
B016	712056	5525844	B	Moist	Dark Brown	10	85	5	5	
B017	712107	5525883	A/B	Moist	Black/Dark Brown	20	80	0	10	Moved 10m due to water and thick organic layer
B018	712131	5525915	B	Moist	Dark Brown/Black	10	90	0	20	
B019	712168	5525949	B	Dry	Light Brown	5	90	5	5	
B020	712204	5525977	B	Dry	Light Brown	5	90	5	10	
B021	712242	5526013	B	Dry	Light Brown	5	90	5	20	
B022	712149	5526193	B	Moist	Brown	5	90	5	10	Moved 10m due to water and thick organic layer
B023	712118	5526164	B	Dry	Brown	10	85	5	10	
B024	712080	5526129	B	Dry	Brown	5	90	5	10	
B025	712044	5526097	B	Dry	Brown	5	90	5	10	
B026	712006	5526064	B	Dry	Light Brown	5	90	5	15	
B027	711966	5526031	B	Dry	Light Brown	5	90	5	15	
B028	711929	5525998	B	Moist	Brown	5	90	5	15	
B029	711892	5525963	B	Dry	Brown	5	90	5	10	
B030	711856	5525932	B	Dry	Light Brown	5	90	5	5	
B031	711821	5525895	B	Dry	Brown	5	90	5	20	
B032	711781	5525859	B	Dry	Brown	5	90	5	15	
B033	711745	5525830	B	Dry	Brown	5	90	5	25	
B034	711707	5525796	B	Dry	Brown	5	90	5	10	
B035	711667	5525764	B	Dry	Light Brown	5	85	10	10	
B036	711634	5525732	B	Dry	Brown	5	90	5	5	
B037	711849	5526324	B	Dry	Light Brown	5	90	5	10	
B038	711882	5526359	B	Moist	Dark Brown	10	85	5	15	
B039	711919	5526394	B	Dry	Brown	5	90	5	15	
B040										Blank
B041	706696	5522784	B	Dry	Brown	5	85	10	20	
B042	706668	5522756	B	Saturated	Brown	5	80	15	20	
B043	706638	5522724	B	Dry	Light Brown	5	85	10	10	
B044	706599	5522692	B	Dry	Brown	0	80	20	5	
B045	706567	5522651	B	Dry	Brown	5	90	5	5	
B046	706533	5522614	B	Moist	Brown	5	90	5	15	
B047	706495	5522582	B	Dry	Brown	5	85	10	15	
B048	706462	5522544	A/B	Saturated	Dark Brown	15	80	5	25	
B049	706430	5522507	B	Dry	Light Brown	5	90	5	5	
B050	706392	5522470	B	Dry	Brown	5	90	5	15	
B051	706360	5522435	B	Dry	Brown	5	90	5	10	
B052	706325	5522399	B	Dry	Light Brown	5	90	5	10	
B053	706291	5522362	B	Dry	Brown	5	90	5	20	
B054	706260	5522326	B	Dry	Brown	5	90	5	15	
B055	706222	5522289	A/B	Moist	Brown	15	80	5	30	
B056	706179	5522246	B	Dry	Brown	5	90	5	10	
B057	706273	5522050	B	Dry	Brown	5	90	5	10	
B058	706303	5522084	B	Dry	Brown	10	85	5	15	
B059	706342	5522119	B	Dry	Brown	5	85	10	15	
B060	706375	5522152	B	Dry	Brown	5	90	5	10	
B061	706410	5522188	B	Dry	Brown	5	90	5	25	
B062	706447	5522225	B	Dry	Light Brown	5	85	10	15	

#	UTM E	UTM N	Horizon	Moisture	Colour	Clay %	Silt %	Sand %	Depth	Comments
B063	706481	5522259	B	Dry	Light Brown	5	85	10	25	
B064	706516	5522299	B	Moist	Brown	5	90	5	15	
B065	706548	5522334	B	Moist	Brown	20	75	5	20	
B066	706582	5522370	B	Moist	Brown	5	85	10	15	
B067	706618	5522405	B	Dry	Brown	10	80	10	15	
B068	706651	5522443	B	Dry	Brown	5	90	5	10	
B069	706690	5522481	B	Dry	Brown	5	90	5	15	
B070	706719	5522517	B	Dry	Brown	5	90	5	10	
B071	706757	5522550	B	Dry	Brown	5	90	5	15	
B072	706794	5522586	B	Dry	Brown	5	85	10	15	
B073	706825	5522623	B	Dry	Brown	5	90	5	20	
B074	705730	5522773	B	Saturated	Light Brown	20	75	5	25	
B075	705766	5522808	B	Dry	Brown	5	80	15	15	
B076	705797	5522845	B	Dry	Light Brown	5	90	5	10	
B077	705831	5522884	B	Moist	Brown	5	90	5	10	
B078	705861	5522922	B	Moist	Brown	30	65	5	20	
B079	705900	5522961	B	Dry	Brown	5	90	5	20	
B080	705930	5522994	B	Dry	Brown	5	90	5	10	
B081	705930	5522994	B	Dry	Brown	5	90	5	10	Duplicate of B080
B082	705966	5523036	B	Saturated	Dark Brown	5	90	5	20	
B083	705997	5523070	B	Dry	Light Brown	5	85	10	10	
B084	706034	5523100	B	Moist	Brown	5	90	5	20	
B085	706067	5523142	B	Dry	Brown	5	90	5	10	
B086	706098	5523182	B	Dry	Brown	5	90	5	15	
B087	706123	5523207	B	Dry	Light Brown	5	85	10	10	
G001	712152	5525672	B	Dry	Light Brown	5	90	5	15	
G002	712080	5525603	B	Dry	Light Brown	5	90	5	10	
G003	712003	5525538	B	Dry	Light Brown	5	90	5	10	
G004	711927	5525471	B	Dry	Light Brown	5	90	5	15	
G005	711891	5525434	B	Dry	Light Brown	5	90	5	15	
G006	711694	5525658	B	Dry	Brown	5	90	5	20	
G007	711734	5525691	B	Dry	Brown	5	90	5	20	
G008	711771	5525727	B	Dry	Light Brown	5	90	5	15	
#	UTM E	UTM N	Horizon	Moisture	Colour	Clay %	Silt %	Sand %	Depth	Comments
G009	711807	5525760	B	Moist	Brown	5	85	10	20	
G010	711846	5525791	B	Dry	Light Brown	5	90	5	25	Near New Logging Road
G011	711882	5525823	B	Dry	Brown	5	90	5	25	Near New Logging Road
G012	711920	5525857	B	Dry	Brown	5	80	15	20	
G013	711958	5525890	B	Dry	Light Brown	5	85	10	25	
G014	711997	5525925	B	Dry	Light Brown	5	85	10	20	Near New Logging Road
G015	712030	5525957	B	Moist	Dark Brown	5	85	10	25	Near New Logging Road
G016	712069	5525995	B	Dry	Light Brown	5	90	5	15	
G017	712107	5526023	B	Dry	Brown	5	90	5	25	
G018	712144	5526058	B	Dry	Brown	5	90	5	20	
G019	712182	5526091	B	Dry	Light Brown	5	85	10	20	
G020	712205	5526110	B	Moist	Brown Grey	5	75	20	20	
G021	712344	5525965	B	Dry	Brown	5	90	5	25	
G022	712323	5525938	B	Dry	Brown	5	85	10	25	Moved 11m due to old road
G023	712277	5525912	B	Moist	Brown	30	65	5	20	
G024	712080	5526264	B	Moist	Dark Brown	20	75	5	20	
G025	712057	5526239	B	Dry	Brown	5	90	5	25	
G026	712016	5526206	B	Dry	Brown Grey	5	90	5	15	
G027	711981	5526181	B	Dry	Brown	5	85	10	15	Moved 10m due to outcrop
G028	711943	5526139	B	Dry	Light Brown	5	90	5	15	
G029	711907	5526106	B	Dry	Brown	5	90	5	20	
G030	711867	5526070	B	Dry	Brown	5	90	5	20	
G031	711831	5526039	B	Dry	Light Brown	5	90	5	25	Rocky Sample - SA-SR
G032	711795	5526007	B	Dry	Brown	5	90	5	15	
G033	711757	5525974	B	Moist	Brown	5	90	5	15	
G034	711718	5525940	B	Dry	Brown	5	90	5	15	

#	UTM E	UTM N	Horizon	Moisture	Colour	Clay %	Silt %	Sand %	Depth	Comments
G035	711678	5525906	B	Dry	Light Brown	5	90	5	15	
G036	711645	5525875	B	Moist	Brown	5	90	5	15	
G037	711608	5525837	B	Dry	Brown	5	90	5	15	
G038	711568	5525807	B	Dry	Brown	5	90	5	15	
G039	711550	5525922	B	Dry	Brown	5	90	5	25	Moved 15m due to swamp and chipped wood under power lines.
G040										Blank
G041	711702	5526194	B	Dry	Light Brown	5	90	5	20	
G042	711734	5526228	B	Dry	Light Brown	5	90	5	10	
G043	711775	5526263	B	Dry	Brown Grey	5	85	10	10	
G044	711811	5526296	B	Dry	Brown	5	85	10	15	
G045	706765	5522714	B	Moist	Brown	20	70	10	15	Near Creek
G046	706732	5522679	B	Moist	Dark Brown	30	70	0	25	
G047	706700	5522642	B	Dry	Light Brown	5	90	5	15	
G048	706662	5522605	B	Moist	Brown	5	90	5	20	
G049	706629	5522571	B	Dry	Brown	5	90	5	20	
G050	706597	5522534	B	Dry	Brown	5	90	5	10	
G051	706562	5522498	B	Dry	Brown	5	90	5	15	
G052	706533	5522477	B	Saturated	Brown Grey	30	70	0	30	Moved 18m due to swamp
G053	706493	5522426	B	Dry	Brown	5	85	10	15	
G054	706456	5522389	B	Dry	Brown	5	90	5	15	
G055	706421	5522355	B	Dry	Light Brown	5	90	5	15	
G056	706388	5522315	B	Dry	Brown	5	85	10	15	
G057	706352	5522279	B	Moist	Brown	15	80	5	20	
G058	706321	5522244	B	Dry	Brown	5	85	10	15	
G059	706286	5522209	B	Dry	Light Brown	5	85	10	20	
G060	706251	5522172	B	Dry	Brown	5	90	5	15	
G061	706216	5522136	B	Dry	Brown	5	90	5	15	
G062	706182	5522099	B	Dry	Brown	5	90	5	15	
G063	706147	5522064	B	Dry	Light Brown	5	90	5	20	
G064	706113	5522027	B	Dry	Brown	5	90	5	15	
G065	706077	5521989	B	Dry	Brown	5	90	5	15	
G066	706041	5521955	B	Moist	Brown	15	80	5	25	
G067	706370	5521994	B	Dry	Light Brown	5	90	5	15	
G068	706436	5522068	B	Moist	Light Brown	5	80	15	35	
G069	706504	5522142	B	Saturated	Brown	15	80	5	35	
G070	706574	5522215	B	Dry	Light Brown	5	85	10	15	
G071	706641	5522277	B	Dry	Brown	5	90	5	20	Moved 7m away from road
G072	706710	5522358	B	Moist	Brown	5	90	5	25	
G073	706780	5522431	B	Dry	Light Brown	5	85	10	20	
G074	706814	5522465	B	Moist	Brown	5	85	10	25	
G075	706851	5522504	B	Dry	Brown	5	90	5	15	
G076	706872	5522530	B	Dry	Light Brown	5	85	10	25	
G077	706676	5522321	B	Moist	Brown	5	90	5	15	
G078	706746	5522392	B	Dry	Brown	5	90	5	20	
G079	705860	5522627	B	Moist	Brown	15	75	10	15	
G080	705891	5522660	B	Dry	Brown	5	90	5	20	
G081	705891	5522660	B	Dry	Brown	5	90	5	20	Duplicate of G080
G082	705926	5522694	B	Moist	Brown	5	90	5	25	
G083	705958	5522736	B	Moist	Brown	15	80	5	20	
G084	705992	5522771	B	Moist	Brown Grey	15	75	10	20	Near Swamp
G085	706063	5522844	B	Dry	Brown	5	90	5	15	
G086	706096	5522880	B	Dry	Light Brown	5	90	5	25	
G087	706130	5522913	B	Dry	Brown	5	90	5	15	
G088	706165	5522952	B	Dry	Brown	5	75	30	20	
G089	706200	5522987	B	Moist	Brown Grey	30	60	10	30	
G090	706236	5523026	B	Dry	Brown	5	90	5	15	
G091	706265	5523063	B	Dry	Brown	5	90	5	20	
G092	706303	5523100	B	Dry	Brown	5	90	5	15	
G093	706534	5523037	B	Dry	Brown	5	90	5	25	
G094	706504	5523006	B	Dry	Light Brown	5	90	5	20	

#	UTM E	UTM N	Horizon	Moisture	Colour	Clay %	Silt %	Sand %	Depth	Comments
G095	706466	5522973	B	Dry	Light Brown	5	85	10	15	
G096	706432	5522932	B	Moist	Brown	5	75	20	25	
T001	712413	5525771	B	Dry	Brown	5	90	5	15	
T002	712374	5525738	B	Dry	Light Brown	5	90	5	10	
T003	712337	5525700	B	Dry	Light Brown	5	90	5	15	
T004	712298	5525667	B	Dry	Light Brown	5	90	5	15	
T005	712261	5525634	B	Dry	Light Brown	5	90	5	15	
T006	712224	5525602	B	Dry	Light Brown	5	90	5	15	
T007	712188	5525567	B	Dry	Grey	5	90	5	15	
T008	712151	5525534	B	Moist	Brown	5	90	5	15	
T009	712117	5525500	B	Dry	Brown	5	90	5	15	
T010	712079	5525467	B	Moist	Grey	5	90	5	15	
T011	712041	5525431	B	Dry	Brown	5	90	5	15	
T012	712003	5525398	B	Dry	Light Brown	5	90	5	15	
T013	711966	5525368	B	Dry	Light Brown	5	90	5	15	
T014	711831	5525510	B	Dry	Brown	5	90	5	15	
T015	711869	5525548	B	Dry	Brown	5	90	5	15	
T016	711906	5525579	B	Dry	Brown	5	90	5	15	
T017	711941	5525612	B	Dry	Brown	5	90	5	15	
T018	711980	5525643	B	Dry	Brown	5	90	5	15	
T019	712019	5525677	B	Moist	Brown	5	90	5	15	
T020	712055	5525709	B	Dry	Grey	5	90	5	15	
T021	712092	5525742	B	Dry	Grey	5	90	5	15	
T022	712126	5525779	B	Dry	Grey	5	90	5	15	
T023	712171	5525813	B	Dry	Grey	5	90	5	15	
T024	712206	5525845	B	Dry	Grey	5	90	5	15	
T025	712242	5525881	B	Moist	Brown	30	65	5	15	
T026	711992	5526326	B	Moist	Brown	15	80	5	15	
T027	711967	5526302	B	Moist	Dark Brown	5	90	5	15	
T028	711930	5526269	B	Moist	Grey	5	90	5	15	
T029	711892	5526235	B	Dry	Brown	5	90	5	15	
T030	711854	5526202	B	Dry	Brown	5	90	5	15	
T031	711817	5526172	B	Dry	Brown	5	90	5	15	

#	UTM E	UTM N	Horizon	Moisture	Colour	Clay %	Silt %	Sand %	Depth	Comments
T032	711777	5526138	B	Dry	Brown	5	90	5	15	
T033	711743	5526103	B	Dry	Brown	5	90	5	15	
T034	711704	5526072	B	Dry	Brown	5	90	5	15	
T035	711667	5526041	B	Dry	Brown	5	90	5	15	
T036	711629	5526002	B	Dry	Grey	5	90	5	15	
T037	711594	5525970	B	Dry	Light Brown	5	90	5	10	
T038	711516	5525904	B	Dry	Brown	5	90	5	10	
T039	711482	5525871	B	Moist	Brown	15	80	5	15	
T040										Blank
T041	711549	5526073	B	Moist	Brown	5	90	5	20	Moved 12m due to talus slope
T042	711587	5526097	B	Moist	Brown	5	90	5	15	
T043	711626	5526130	B	Dry	Light Brown	5	90	5	15	
T044	711660	5526159	B	Moist	Dark Grey	15	80	5	20	
T045	706658	5522892	B	Dry	Light Brown	5	90	5	15	
T046	706625	5522862	B	Dry	Light Brown	5	90	5	15	
T047	706594	5522823	B	Moist	Brown	5	90	5	15	
T048	706555	5522786	B	Moist	Brown	5	90	5	15	
T049	706524	5522750	B	Moist	Brown	5	90	5	15	
T050	706490	5522716	B	Dry	Light Brown	5	90	5	15	
T051	706454	5522681	B	Moist	Dark Brown	5	90	5	15	
T052	706422	5522642	B	Moist	Grey	5	90	5	15	
T053	706387	5522607	B	Moist	Grey	30	65	5	15	
T054	706355	5522569	B	Moist	Brown	5	90	5	15	
T055	706319	5522536	B	Dry	Brown	5	90	5	15	
T056	706287	5522496	B	Moist	Brown	5	90	5	15	
T057	706249	5522462	B	Dry	Brown	5	90	5	15	
T058	706214	5522428	B	Moist	Brown	5	90	5	15	
T059	706181	5522389	B	Dry	Brown	5	90	5	15	
T060	706146	5522353	B	Dry	Grey	5	90	5	15	
T061	706113	5522317	B	Moist	Grey	15	80	5	15	
T062	706044	5522234	B	Moist	Brown	10	75	5	20	

#	UTM E	UTM N	Horizon	Moisture	Colour	Clay %	Silt %	Sand %	Depth	Comments
T063	706003	5522199	B	Dry	Light Brown	5	90	5	15	Moved 10m due to road
T064	705975	5522171	B	Dry	Light Brown	5	90	5	15	
T065	706198	5521811	B	Dry	Light Brown	5	90	5	15	
T066	706231	5521846	B	Dry	Brown	5	90	5	15	
T067	706266	5521885	B	Dry	Brown	5	90	5	15	
T068	706298	5521921	B	Dry	Brown	5	90	5	15	
T069	706332	5521956	B	Dry	Brown	5	90	5	15	
T070	706401	5522031	B	Dry	Brown	5	90	5	15	
T071	706474	5522103	B	Dry	Brown	5	90	5	15	
T072	706541	5522175	B	Dry	Grey	0	70	30	15	
T073	706608	5522249	B	Dry	Brown	5	90	5	15	
T074	705848	5522317	B	Dry	Brown	5	90	5	15	
T075	705883	5522353	B	Dry	Brown	5	90	5	15	
T076	705919	5522388	B	Dry	Brown	5	90	5	15	
T077	705954	5522425	B	Moist	Grey	15	80	5	15	
T078	705986	5522454	B	Moist	Brown	5	90	5	10	
T079	706019	5522500	B	Moist	Brown	5	90	5	15	
T080	706055	5522537	B	Moist	Brown	5	90	5	20	
T081	706055	5522537	B	Moist	Brown	5	90	5	20	Duplicate of T080
T082	706088	5522571	B	Moist	Brown	5	90	5	15	
T083	706126	5522607	B	Dry	Light Brown	5	90	5	15	
T084	706158	5522644	B	Dry	Light Brown	5	90	5	15	
T085	706193	5522681	B	Moist	Brown	5	90	5	15	
T086	706224	5522719	B	Moist	Grey	30	70	0	15	
T087	706261	5522757	B	Moist	Grey	30	70	0	15	
T088	706295	5522790	B	Moist	Brown	5	90	5	15	
T089	706334	5522825	B	Dry	Brown	5	90	5	15	
T090	706362	5522862	B	Dry	Light Brown	5	90	5	10	
T091	706402	5522898	B	Moist	Brown	30	70	0	15	
No Sam	706067	5522280								Swamp. No B Horizon
No Sam	711755	5525581								Swamp. No B Horizon
No Sam	711792	5525615								Swamp. No B Horizon
#	UTM E	UTM N	Horizon	Moisture	Colour	Clay %	Silt %	Sand %	Depth	Comments
No Sam	711830	5525648								Swamp. No B Horizon
No Sam	712265	5526036								Swamp. No B Horizon
No Sam	706027	5522808								Swamp. No B Horizon

Appendix 6 Soil sample QA/QC

QA/QC	Sample	Ag_ppm	Au_ppm	Cu_ppm	Mo_ppm
Blank	B004.5	0.74	0.002	145.4	5.76
Blank	B030.5	0.78	0.004	154.7	5.99
Blank	B040	0.74	0.002	146.8	5.97
Blank	B070.5	0.77	0.003	150.9	6.23
Blank	G022.5	0.77	0.003	152.4	6.24
Blank	G040	0.73	0.003	150.1	5.91
Blank	G053.5	0.75	0.002	148.8	6.11
Blank	T006.5	0.69	0.002	128.1	5.83
Blank	T016.5	0.69	0.016	126.6	5.66
Blank	T040	0.74	0.003	152.4	6.26
Blank	T064.5	0.7	0.003	146.8	5.95
Lab Blank	STD BLANK	0.025	0.0005	0.1	0.025
Lab Blank	STD BLANK	0.025	0.0005	0.1	0.025
Lab Blank	STD BLANK	0.025	0.0005	0.1	0.025
Lab Blank	STD BLANK	0.025	0.0005	0.1	0.025
Lab Blank	STD BLANK	0.025	0.0005	0.1	0.025
Lab Blank	STD BLANK	0.025	0.0005	0.1	0.025
Orig	B026	0.23	0.008	22	2.03
Lab Dupe	DUP B026	0.22	0.004	21.5	2
Orig	B052	0.15	0.002	19.6	0.73
Lab Dupe	DUP B052	0.15	0.005	19.3	0.73
Orig	G004	0.14	0.003	22.3	1.91
Lab Dupe	DUP G004	0.14	0.012	22.4	1.91
Orig	G070	0.025	0.004	16.5	0.48
Lab Dupe	DUP G070	0.025	0.002	16.9	0.48
Orig	T013	0.22	0.002	25.8	1.93
Lab Dupe	DUP T013	0.22	0.002	25.5	1.93
Orig	T088	0.17	0.002	13.8	0.56
Lab Dupe	DUP T088	0.18	0.002	14.6	0.6
Orig	B080	0.13	0.001	16.3	0.78
Field Dupe	B081	0.11	0.002	16.2	0.72
Orig	G080	0.18	0.0005	12.4	0.7
Field Dupe	G081	0.18	0.0005	12.7	0.71
Orig	T080	0.1	0.001	12.6	0.62
Field Dupe	T081	0.1	0.001	12.7	0.6
Std	OREAS 601	49.92	0.773	991.9	3.7
Std	OREAS 601	48.29	0.787	972.7	3.69
95% conf	low	48.75	0.749	1000	3.57
95% conf	high	50.08	0.798	1020	4.03
Std	OREAS 24b	0.07	0.002	35.7	3.9
Std	OREAS 24b	0.08	0.002	34.7	3.53
Std	OREAS 24b	0.07	0.002	35.7	3.9
95% conf	low			35.4	3.68
95% conf	high			37.3	4.04
Std	OREAS 904	0.4	0.023	6333.5	2.16
95% conf	low	0.35	0.043	6220	1.88
95% conf	high	0.382	0.047	6390	2.15