Technical Report on the Chu Chua Gold Property, British Columbia, Canada

Kamloops Mining Division

By

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For

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TENURE NUMBERS

1061847	1061849
1061851	1052501
604243	604247
604248	1066011
1065998	1065969

LOCATION
NTS 92P/82M
UTM Zones 10, 11
709130E, 5687080N

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1 Summary

The Chu Chua Gold Property consists of 10 contiguous claims totalling 909.5 hectares and located 16 km northeast of the town of Barrier, British Columbia. The property is hosted by metamorphosed sedimentary and volcanic rocks belonging to the mid to late Paleozoic Eagle Bay Assemblage and Fennell Formation, a poly-metallic mineral-prone assemblage of rocks deposited in one or more basins formed during continental margin extension. Past producing mines (e.g., Samatosum) and one advanced project through feasibility (Harper Creek) are testament to the metal endowment of this geological setting.

Mongoose Mining Ltd. (the "Company") has entered into an agreement with the Property owners K. Ellerbeck and G. Locke (the "Optionors") whereby it may earn a 100% interest in the Property by completing certain cash payments, share transfers and exploration work that qualifies for assessment purposes with the British Columbia Ministry of Energy, Mines and Petroleum Resources. The Company wishes to list as a public company on the Canadian Securities Exchange and requires a technical assessment of the Property that complies with standards set out in National Instrument 43-101.

The Optionors have obtained a multi-year area-based permit (MAYB) good for 5 years that pertains to drilling and water rights.

The history of mineral exploration in the area dates to at least 1978 and has focused on volcanogenic, massive sulphide type occurrences. The Property was first explored in 1984, drilled in 1985 and 1987, and has since received intermittent exploration attention. The primary geological target is a felsic dome which is regarded as an ideal massive sulphide exploration target; however, drilling has produced multi-gram gold intersections and high background values of Cu, Zn and Pb. Recent surface prospecting has outlined a large gold-bearing target 4.5 km long and 0.5 to 0.75 km wide. Overlapping EM and Magnetic anomalies are considered important exploration targets.

2 Introduction

2.1 The Client

This technical report (the "Report") for the Chu Chua Gold Property (the "Property") was prepared for Mongoose Mining Ltd., a British Columbia corporation with a business address at 215 Edward Street, Victoria, British Columbia, Canada V9A 3E4.

2.2 Purpose

Mongoose Mining Ltd. (The "Company") wishes to list as a public company on the Canadian Securities Exchange ("CSE"). This Report provides a technical assessment of the Property and complies with standards set out in National Instrument 43-101.

The Property is held jointly by Kenneth Ellerbeck (50%) and Gerald Locke (50%), (the "Optionors") of Kamloops and Penticton, British Columbia. The Company entered into an agreement with the "Optionors" on January 09, 2019 whereby it can earn 100% interest in the 10 contiguous mineral tenures that comprise the Property.

2.3 Sources of Information

The Report is a compilation of public information assembled from references listed herein including: Geological Survey of British Columbia ("GSBC") and Geological Survey of Canada ("GSC") technical reports; papers published in peer reviewed scientific journals; historical NI43-101 technical reports; and Government of British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Reports ("ARs").

GSBC and GSC technical reports contain data collected and interpreted by persons holding post-secondary and graduate degrees in geology and geophysics, and are considered objective and reliable sources. Similarly, papers published in peer-reviewed scientific journals were authored by geologists and geophysicists with post-secondary degrees and are considered reliable information sources.

Historical NI43-101 reports were authored by Qualified Persons in compliance with Canadian Securities Administration guidelines and regulations; hence, they are deemed reliable information sources.

ARs are vetted by Government of British Columbia personnel to ensure compliance with regulations relating to a "statement of exploration expenditures". For example, property owners can only claim the cost of "on-the-ground exploration activities" for assessment purposes and must provide evidence of such in the form of certified analytical results, tables of sample coordinates, tables of coordinates for and descriptions of field observations, maps showing the spatial distribution of all point data, and a detailed accounting of personnel and logistical costs.

All dollar amounts are stated in Canadian currency, measurements are metric, and projections are Universal Transverse Mercator and referenced to the North American Datum 1983 (NAD83) Zone 10 unless otherwise stated.

No proprietary information was used in the preparation of this report.

2.4 Scope of Property Inspection

The author (R. I. Thompson, PhD, PEng) visited the Property on April 7th, 2019. Property access was confirmed via 4 wheel drive vehicle and on foot; the transition from a north-trending belt of mafic volcanic rocks eastward to a belt of porphyritic rhyolite – the old-bearing target – was verified (described in detail in section 6.2.2) from roadside rock exposures; and, it was observed that no recent (post 2013) logging activities have changed access routes or blocked access to the BAR DDH area.

The author also visited the Property for a total of 12.4 days: June 27th – 30th, July 27th – 30th, and August 3rd – 4th and 6th – 7th, 2013; numerous rock and soil samples were collected and analyzed, geology was evaluated and geophysical measurements made; results were compiled as ARs (Thompson, 2013, AR34307; Thompson and Cook, 2014, AR34982).

3 Reliance on other experts

All information relating to the 10 contiguous mineral tenures that comprise the Property (Table 1) is taken from British Columbia Mineral Titles Online system ("MTO"; described below).

4 Property Description and Location

4.1 Location, Area, Tenure Type

Chu Chua Gold Property (the "Property") consists of 10 contiguous mineral tenures[1] ("Claims") totaling 909.52 ha held by the Optionors, and is located in the mineral-rich Kamloops Mining District where producing mines (e.g. New Afton, Highland Valley) and developed prospects (Harper Creek, Apex) provide significant economic input (Figure 1).

The Property is centered at: UTM Zone 10, 709130E, 5687080N in NTS map sheets 92P040 and 82M031, 15 km northeast of Barriere[2] on the North Thompson River (Figures 2 and 3; Table 1). Major transportation corridors include Highway 5 (Yellowhead) along the North Thompson River, Highway 1 (Trans Canada), and the Canadian Pacific rail line following the North Thompson River.

4.2 Nature and Extent of Title, Obligations, Expiry Dates and Holders' Rights

Mineral Claims are acquired using the online Mineral Titles Online (MTO) system which allows clients to acquire and maintain (register work, payments, etc.) claims.[3]

A claim is registered by selecting one or more adjoining cells on the electronic MTO map. Mineral Titles can be acquired anywhere in the province of British Columbia where there are no other impeding interests (other mineral titles, reserves, parks, etc.).

No two people can select the same cells simultaneously, since the database is live and updated instantly; once a cell selection is made it is no longer available to another person, unless payment is not successfully completed within thirty minutes.

The electronic Internet map allows selection of single or multiple adjoining grid cells to a limit of 100 selected cells per submission for acquisition as one claim; the number of submissions is not limited.

MTO calculates the exact area in hectares according to the cells selected and calculates the required fee. Upon confirmation of payment, a title is issued together with a tenure number for registration purposes (see for example, Table 1), and email confirmation of the transaction and title. MTO also provides GPS co-ordinates for the four corners of each cell in a claim.

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[1] A mineral tenure refers to the right to explore or develop minerals in a given area. There are two main types of mineral tenure: recorded claims and mineral leases.

[2] It was spelled as 'Barriere' in the enabling Letters Patent; however, various other locations in the area retain the grave accent (e.g. Barrière River, Barrière Mountain).

[3] The Mineral Titles Branch administers the legislation governing the acquisition, exploration and development of mineral rights.

Figure 1. Location of Chu Chua Gold Property

Status of each mineral tenure comprising the Chu Chua Gold Property (the "Property") is summarized in Table 1 including tenure number and name, issue and expiry dates, ownership, and area in hectares. The Optionors do not hold surface rights because the interest of a recorded holder of a mineral claim issued pursuant to the Mineral Tenure Act of British Columbia is a chattel interest and therefore cannot be registered as an interest in real property.

In British Columbia, the holder of a mineral tenure (claim) acquires the right to the minerals available at the time of tenure acquisition as defined in the Mineral Tenure Act of British Columbia. Tenures are valid for one (1) year and the anniversary date is the annual occurrence of the staking completion date for the tenure (the date of record). To maintain a tenure in good standing, the holder must, on or before the anniversary date, either: 1) submit a 'statement of work' that records the type and dollar value of work performed, accompanied by an 'assessment report' (technical report) containing geological, geophysical, and (or) geochemical data, results, compilations and interpretations resulting from the work; or, 2) pay cash in lieu of work.

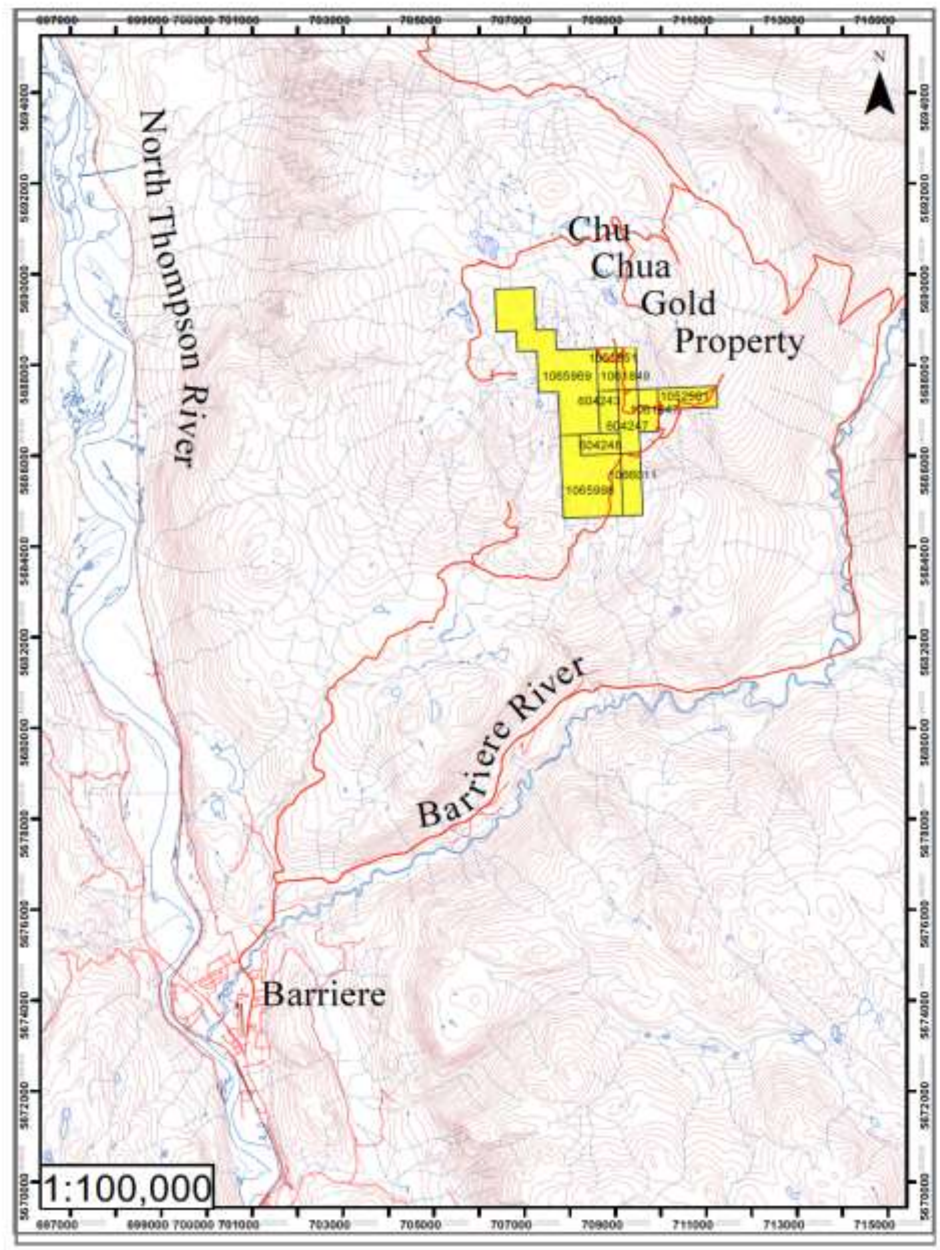


Figure 2. Chu Chua Gold Property (tenure numbers are referenced in Table 1) located relative to local topography, drainage and road access (red). Highway 5 (the Yellowhead Highway) proceeds from Barrier 66 km south to Kamloops.

The acquisition fee for mineral tenures is $1.75 per hectare. The dollar value of assessment work is: $5.00 per hectare for anniversary years 1 and 2; $10.00 per hectare for anniversary years 3 and 4; $15.00 per hectare for anniversary years 5 and 6; and $20.00 per hectare for subsequent anniversary years.

All but four of the Chu Chua Gold Property tenures were issued more than 8 years ago; therefore, assessment work going forward is valued at $20 per hectare; in the case of tenure 1052501 (Table 1) which was issued in 2017, work will be assessed starting at $10 per hectare for anniversary years 3 and 4, pursuant to the schedule of charges provided above, and in the case of tenures 1066011, 1065998 and 1065969, work will be assessed at $5 per hectare for anniversary years 1 and 2.

If the dollar value of assessed work exceeds that required for one anniversary year, the excess value can be carried forward into subsequent anniversary years. This is the case for the Property (Table 1, Figure 2): tenures 1052501 and 1061847 are in good standing until 30 October 2019; tenures 1061849, 1061851, 604243 and 604248 are in good standing until 30 October 2020; and tenure 604247 is in good standing until 30 October 2021.

Table 1. Description of Chu Chua Gold Property mineral tenures.

Tenure_No	Tenure_Name	Issue_Date	Good_to_Date	Owner	Area_Ha
1061847	KM 18 West	23/07/2010	30/10/2019	Ellerbeck 50% Locke 50%	40.4234
1061849	Sulphide East	08/03/2007	30/10/2020	Ellerbeck 50% Locke 50%	40.4161
1061851	Sulphide West	10/03/2005	30/10/2020	Ellerbeck 50% Locke 50%	40.4159
1052501	KM 18	12/06/2017	30/10/2019	Ellerbeck 50% Locke 50%	60.6324
604243	SC	10/05/2009	30/10/2020	Ellerbeck 50% Locke 50%	40.4231
604247	_	10/05/2009	30/10/2021	Ellerbeck 50% Locke 50%	60.6378
604248	_	10/05/2009	30/10/2020	Ellerbeck 50% Locke 50%	40.4286
1066011	More Gold	25/01/2019	25/01/2020	Ellerbeck 50% Locke 50%	60.6539
1065998	Lucky Gold	24/01/2019	24/01/2020	Ellerbeck 50% Locke 50%	202.1757
1065969	Airborne Gold	22/01/2019	22/01/2020	Ellerbeck 50% Locke 50%	323.3147
Total Hectares					909.5216

Figure 3. The Property is a patch-work quilt of logging clear-cuts laced with haul roads and skidder trails. Logging has improved access and the number and extent of bedrock exposures

4.3 Location of Mineralized Zones

Significant gold mineralization (Figure 4, Area 1), uncovered in bedrock exposures and in drill core, occupies an area about 550 m long (north-south) and 330 m wide (east-west), and is centered at: NAD83, Zone 10, 7009357E, 5686664N. There are anomalous gold-bearing bedrock exposures elsewhere on the Property (e.g. Figure 4, Area2). The type, nature and geological context of gold occurrences are discussed in detail in sections 6 and 7.

4.4 Agreement between Optionors and the Company

Under the terms of the Property Option Agreement ("Agreement") dated January 23rd, 2019 the Company paid to the Optionors a deposit in the sum of $7,500.00 upon signing the Agreement for the Chu Chua Gold Property, which at the time consisted of 7 mineral claims (1061847, 1061849, 1061851, 1052501, 604243, 604242, 604248). On January 22, 24 and 25, 2019, the Optionors further staked an additional three claims (1066011, 1065998 and 1065969) in the area of influence surrounding the perimeter of the Chu Chua Gold Property. On January 28, 2019 the Company confirmed that it would purchase these additional claims for the amount of $1,026.02 and as per section 3.6 of the Agreement, making them a part of the Chu Chua Gold Property as represented in the Agreement.

Further, and subject to Regulatory Approval, in order to exercise the Option, the Company shall pay to the Optionors the aggregate sum of $557,500, which sum includes the Deposit and installments due of $20,000 on the second anniversary of Listing Date; $30,000 on third anniversary of Listing Date; $500,000 on fourth anniversary of Listing Date.

In addition, to exercise the option the Company will issue to the Optionors a total of 600,000 Shares in instalments, including: 100,000 on the Listing Date; 100,000 on the first anniversary of Listing Date; 100,000 on the second anniversary of Listing Date; 100,000 on the third anniversary of Listing Date; 200,000 on the fourth anniversary of Listing Date.

In addition, to exercise the option the Company shall incur a minimum of $625,000 of expenditures on the Property by the fourth anniversary of the Listing Date to be completed according the following schedule: $25,000 by September 1, 2019, an amount which will be applied and recorded with the Mining and Minerals Division before September 30, 2019; $100,000 by the second anniversary of Listing Date; $100,000 by the third anniversary of Listing Date; $400,000 by the fourth anniversary of Listing Date; expenditures that will be incurred while the Option is outstanding.

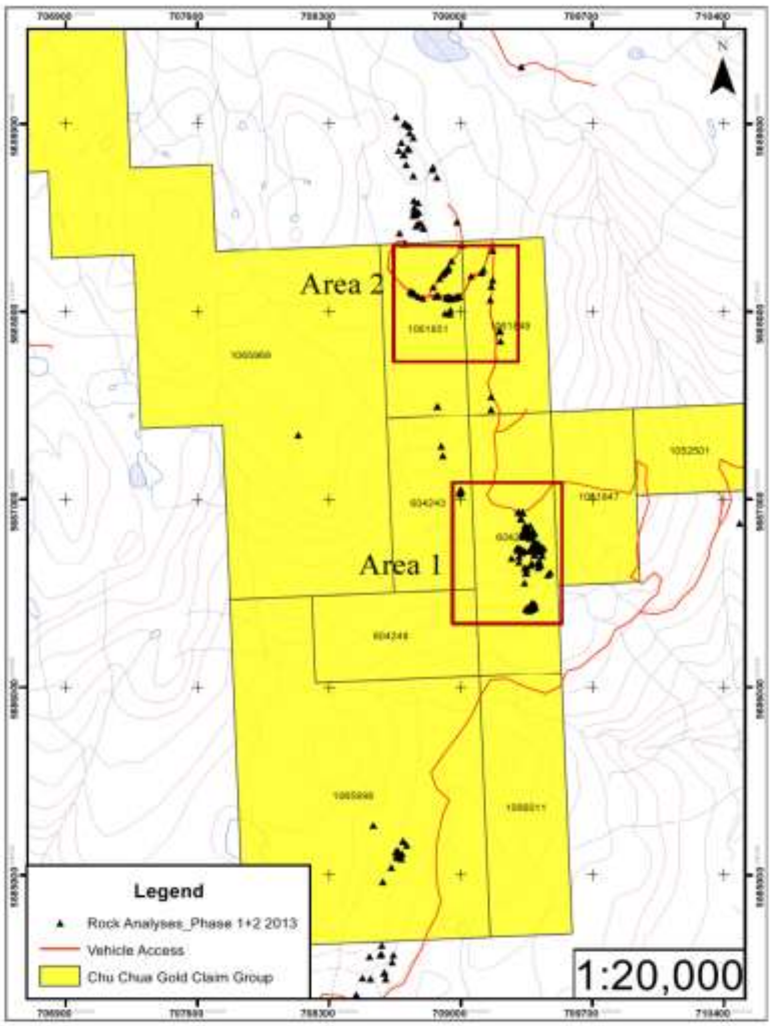


Figure 4. Zone of significant gold mineralization (red rectangles labeled Areas 1 and 2) exposed at surface, based on the distribution of bedrock exposures containing anomalous concentrations of gold (black triangles). Area 1 overlaps with historical diamond drill holes (Bar 3, 4 and BAR 8-13) which intersected anomalous gold; BAR 3 is reported to have intersected 4.45 g per tonne (g/t) over 2.52 m, and 242 parts per billion (ppb) averaged over 13.98 m (Evans, 1987 AR15856). See sections 6.2.3 and 11.3 for discussion.

4.5 Other Agreements and (or) Encumbrances

The author is unaware of any royalties, back-in rights, payments, or other agreements and encumbrances to which the Property is subject.

4.6 Environmental Liabilities

The author is unaware of any environmental liabilities associated with the Property.

4.7 Permits

Exploration activities that do not require a permit because they do not disturb the surface and require the use of hand tools only, include for example: geological mapping, surface and airborne geophysical surveys, soil and rock geochemical surveys, hand trenching, grids (no tree cutting).

Activities that disturb the surface by mechanical means such as excavating, drilling, blasting, camp construction… require a Notice of Work (NOW) permit available from the District Inspector of Mines – a process that may require three months. The Optionors have obtained a multi-year (5-year) area-based permit (the "MYAB" No.1620922201701 2018; Appendix 1) that applies to surface diamond drilling and water supply use. In total, the permit allows for 30 drill sites. MTAB completion date is 19 June 2021. An Annual Update Report providing a Summary of Exploration Activities ("ASEA") is required to maintain the MYAB in good standing – the Optionors are in compliance with this requirement (Appendix 2).

The Provincial Government is required to solicit First Nations' feedback on Permit applications and to consider that feedback in the application review and granting process. Likewise, applicants, in this case the Optionors, were advised to establish informal dialogue with local First Nations' communities, listen to their concerns and recommendations, and explore avenues of cooperation. The Optionors are in contact with Simpcw First Nations in Chu Chua (Ellerbeck, personal communication, 10 January 2019). They have communicated with Carli Regehr (Referrals and Archaeology Coordinator), James Foster (manager of Simpcw Natural Resources Department) and Jim Magowan (manager of Simpcw Resources Group, a Simpcw-owned company). One request of the Optionors is to retain Simpcw expertise to undertake a reconnaissance (approximately 1 day) archeological field study in the area covered by the MYAB permit. Cost of this study, including analysis and report preparation, is estimated at $1000 - $2000.

If road construction is required for property access, a Special Use Permit is required from the Chief Inspector of Mines. "A Special Use Permit gives non-exclusive authority to a company or an individual to occupy and use an area of Crown Land, within the Provincial Forest, when they have demonstrated to the District Manager that the intended use is in accordance with the Provincial Forest Use Regulation and related legislation." Annual rent and taxes are payable. No Special Use Permits have been requested by the Optionors.

5 Accessibility, Climate, Local Resources, Infrastructure and Physiography

5.1 Accessibility

Maps showing up-to-date road access for the region are available from Front Counter BC located in the Provincial Forest Services office in Kamloops, B.C. (441 Columbia Street, 250-828-4442).

The Property is accessible using logging road systems accessible from the paved Barrière Lake Road which leads east from the town of Barriere located 66 km north of Kamloops on Highway 5. Proceed 5 km along North Barrière Lake Road to a junction, turn left and then right, after 500 m, onto Leonie Creek haul road which intersects the Property (Fig. 2).

Extensive logging provides ready access to the region.

5.2 Climate

The climate is temperate and agreeable. At Barrier daily average temperatures range from -6.5° C in January to 19° C in July; precipitation ranges between 25 and over 50 mm per month for an annual total of approximately 356 mm; this includes annual snowfall averaging 121 cm most of which falls in November through February. At higher elevations near the Property one can expect greater total snowfall with deeper, more persistent accumulations during winter months.

5.3 Local Resources and Infrastructure

Barriere is a town of 1,713 (2016 census) 75% of whom are linked to the forest industry. Agriculture, mining exploration and tourism are other economic drivers. For mineral exploration purposes, the town provides for accommodation (3 motels), food (4 restaurants), fuel, vehicle repair (2 shops), and basic hardware and building materials (1 outlet).

Kamloops, located 66 km to the south (Fig. 1), has a population of 90,280 (2016 census). Industry includes mining and mineral exploration, logging, transportation (TransCanada Highway, Canadian Pacific and Canadian National rail hubs), healthcare and tourism. Kamloops supplies nearby operating mines (e.g. New Afton, Highland Valley) with personnel, expertise and equipment and is a major supply centre for the mining and exploration industry. The British Columbia Ministry of Energy, Mines and Petroleum Resources maintains a regional office.

The Property is proximal to major electrical transmission lines in the North Thompson River Valley.

The region has a long tradition of mining and logging, hence, personnel expert with heavy equipment and experience operating in the field are available. The logging economy has been negatively impacted by the recent infestation of pine beetle; consequently, mineral exploration and mining are viewed in a positive light as potential economic alternatives.

5.4 Physiography

The Property is underlain by rolling forested uplands in the transition between the Shuswap Highlands (on the east) and Thompson Plateau (on the west) physiographic regions (Figure 5) having elevations between 1000 and 2200 metres. The upland represents the late Tertiary erosion surface that was subsequently dissected by the Thompson River and its tributaries. The plateau contains a great diversity of Paleozoic and Mesozoic-age rocks (Mathews, 1986), and flat-lying or gently dipping early Tertiary (Eocene) lavas obscure large areas of older rocks. The Shuswap Highlands are more rugged with greater relief and are mostly underlain by a variety of metamorphosed, structurally complex Paleozoic volcanic and sedimentary rocks intruded by Mesozoic and Eocene igneous rocks.

Tree species include Lodgepole Pine (*Pinus contorta* var. *latifolia*), Trembling Aspen (*Populus tremuloides*), Interior Douglas Fir (*Pseudotsuga Menziesii var. glauca*), Engelmann Spruce (*Picea Engelmannii*), and at higher elevations, Subalpine Fir (*Abies lasiocarpa*). The forest cover is relatively open away from stream and creek courses, allowing for straight forward foot traversing – save swamps, bogs and local cliffs.

Figure 5: View to the southwest across the Chu Chua Gold Property towards the North Thompson River Valley showing rolling, upland physiography transitional between the Thompson Plateau (background) and Shuswap Highland (foreground) physiographic regions.

6 History

6.1 Introduction and Summary

The author compiled available information that summarizes "exploration essentials" germane to the Chu Chua Gold Property (the "Property") and the various tenure holdings of which it has formed a part since 1978 – these publications are listed in the References Section. Section 6.2 provides a comprehensive review of exploration programs in the region and section 6.3 uses that information to tabulate a reasonable statement of "in the ground" exploration expenditures applicable to the Property.

Exploration records specific to the Property date to at least 1985 (Evans, 1987 AR15856)[4] when Falconbridge geologists recognized the potential for massive sulfide deposition along the flanks of a felsic volcanic dome. Their interest had been piqued by geophysical anomalies (magnetic and electromagnetic) recorded as part of a regional, airborne survey completed by Craigmont Mines Ltd. in 1978 (Fraser and Dvorak, 1979 AR7659) – an example of the "knock-on" effect of substantive, historical exploration initiatives. Falconbridge recommended the Property be drilled and in 1985, one of four holes intersected significant gold concentrations thereby setting the stage for continued exploration. Until then copper had been the primary exploration focus in the region, beginning in 1978 (Vollo, 1979a AR7110) with the discovery of copper-rich gossan on the south flank of Chu Chua Mountain.

Historically, the Property has formed a constituent part of much larger groupings of mineral claims beginning with exploration campaigns by Craigmont Mines Ltd. ("Craigmont") from 1979 until 1983 followed by numerous subsequent explorers: Corporation Falconbridge Copper ("Falconbridge") from 1985 until 1987; Minnova Inc. ("Minnova") from 1987 until 1990; Strongbow Exploration Inc. ("Strongbow") from 2006 until 2007; Longview Capital Partners Inc. ("Longview") from 2008 until 2010; Shenul Capital Inc. ("Shenul") from 2010 until 2013; and, most recently, First Americas Gold Corp. ("FAC") from 2013 until 2015..

These large property positions lapsed between 2015 and 2018 as capital markets retreated from the mineral exploration industry, leaving most mineral tenure holders unable to meet the financial burden of maintaining their claims in good standing.

The historical account that follows is assembled from publicly available information and is arranged, for the most part, chronologically and by company (owner). Numerous figures that detail the progression of tenure holdings over time relative to the Property tenures, are provided for visual context and to permit the reader to estimate the degree of overlap between the two. It turns out that the Property formed part of much larger past mineral tenure holdings throughout most of its exploration history.

6.2 Regional Synoposis

6.2.1 Craigmont Mines Ltd.; CC and CH Claim Groups; 1978-1983

The catalyst for exploration in the Chu Chua Mountain area was the 1977 discovery of a large (transported?) copper-rich gossan on the south slope of the mountain by Vestor Explorations Ltd. Subsequently, Mr. N.B. Vollo traced the gossan upslope to its presumed origin, a ten square metre limonite (gossan) outcrop adjacent to a north-striking massive magnetite body. The Property (owned by Vestor Explorations Ltd., "Vestor") was optioned by Craigmont Mines Ltd. ("Craigmont") and a 23-hole 2843 m diamond drill program completed in 1978 (Vollo, 1979a; AR7110). Drilling provided the initial outline of a poly-metallic (Cu, Zn, Pb, Ag, Au) ore deposit

[4] References include (when available) the Assessment Report number (e.g., AR 15856); these are public reports vetted by and available from the British Columbia Ministry of Energy, Mines and Petroleum Resources.

called Chu Chua Copper, and set the stage for the next 40 years of mineral exploration in the region.

Initially, Craigmont focused on the CC Claim Group (the "CC Claims"; Figure 6)[5] in and around Chu Chua Copper but by 1981 the company had significantly expanded its holdings by acquiring the CH claims (Figure 7; Vollo, 1981a AR9622) in reaction to numerous magnetic and conductive anomalies recorded during a regional, helicopter-borne electromagnetic survey (DIGHEM) undertaken in 1979 (Fraser and Dvorak, 1979 AR7659; Figure 6). Craigmont geologists realized the potential for other ore bodies, like Chu Chua Copper, to occur along strike to the south and in 1981 completed a program of VLF-EM, soil geochemistry and a 114 m diamond drill hole ("DDH") to test a copper-in-soil anomaly that overlay a conductive zone (Figure 7) – the drill results were equivocal; however, it was becoming clear that distinguishing between conductive zones produced by graphitic metasedimentary rocks and those by metals would be a challenge, and that soil anomalies found to coincide with conductive zones did not necessarily reflect mineralization in the immediate subsurface; an understanding of glacial transport directions would become important.

Of importance to the history of exploration at the Property is this early recognition that mineral potential existed south of Chu Chua Copper. Grids were cut on and north of the Property, soil and geophysical programs initiated and a reconnaissance diamond drill hole ("DDH") completed (CH4), all of which contributed to a data base that would increasingly point toward the gold potential of the Property (Figures 7 and 8).

By 1983, Craigmont had ceased exploration having defined two steep, west-dipping massive sulphide lenses at Chu Chua Copper Deposit. The company had drilled 59 DDHs supported by detailed geological mapping, soil geochemistry (B horizon) and surface geophysics (HLEM, VLF-EM; Vollo, 1979a AR7110, 1979b AR7443, 1979c AR7499, 1981a AR9622, 1981b AR9623, 1982a AR10940, 1982c AR10957, Raffle, 2009).

[5] 11 claims consisting of 150 units.

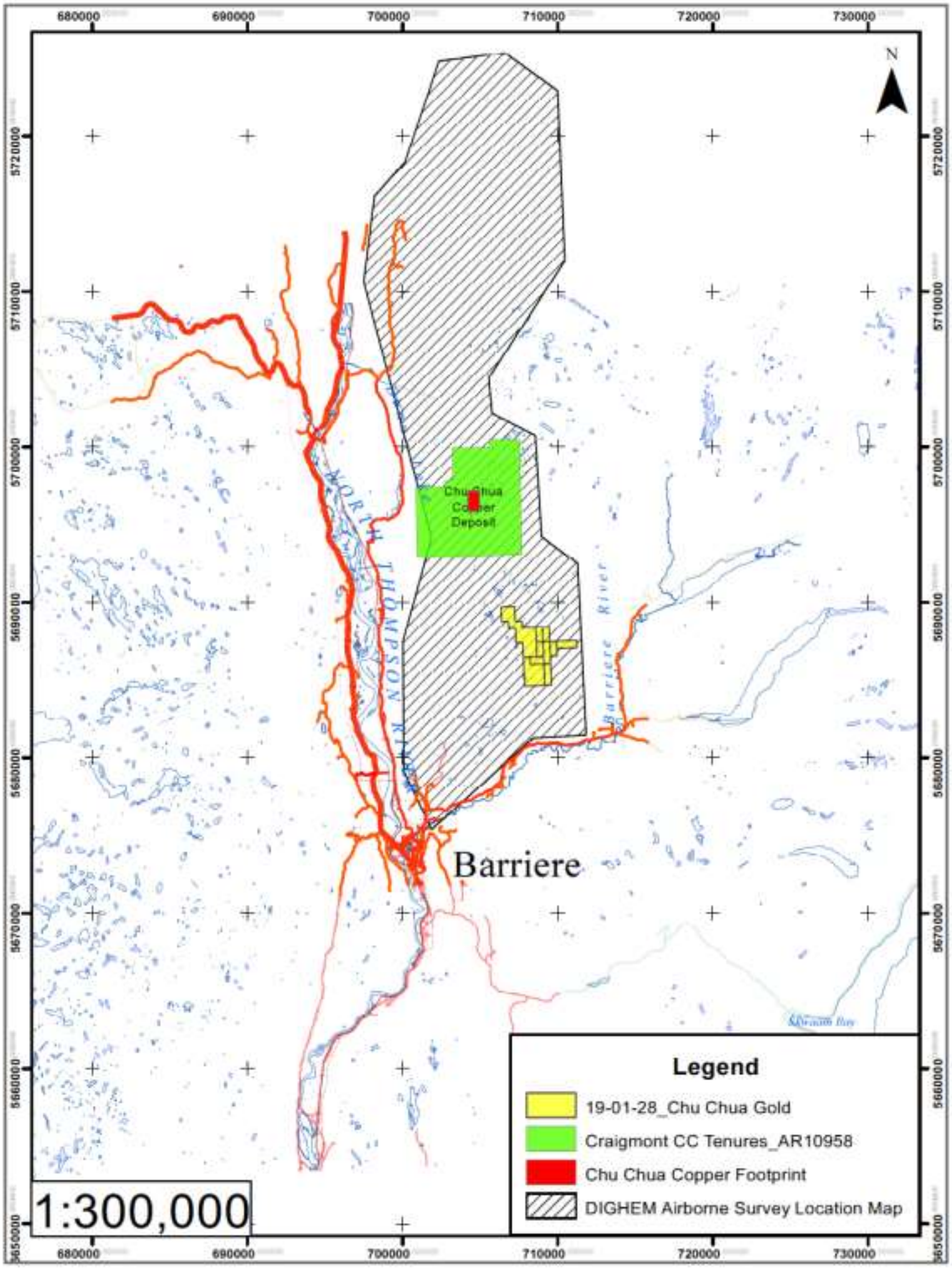


Figure 6. Map showing relative locations of the Craigmont CC claims, the area of airborne geophysical survey, the Chu Chua Copper Deposit, and relative position of the Chu Chua Gold Property.

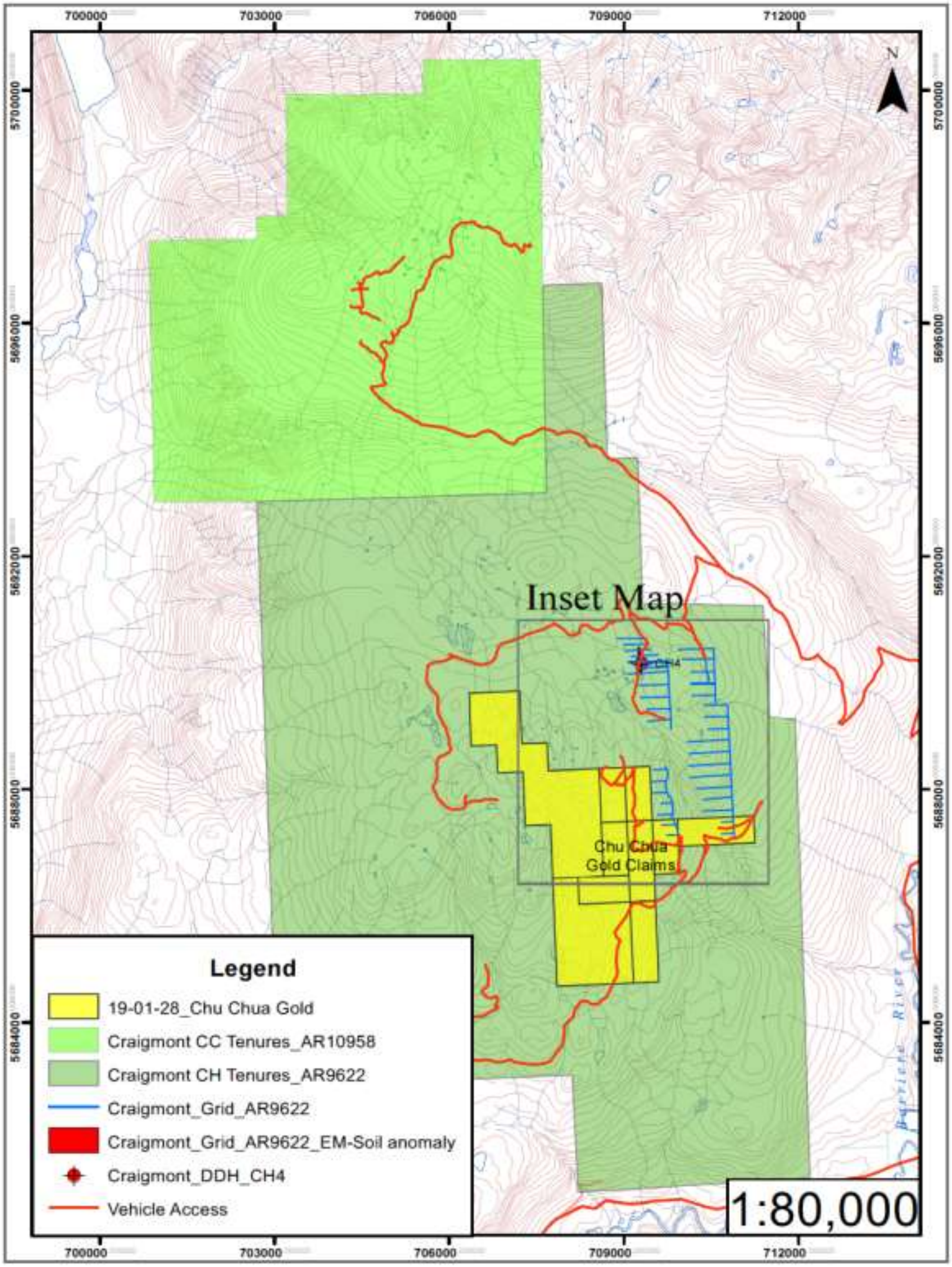
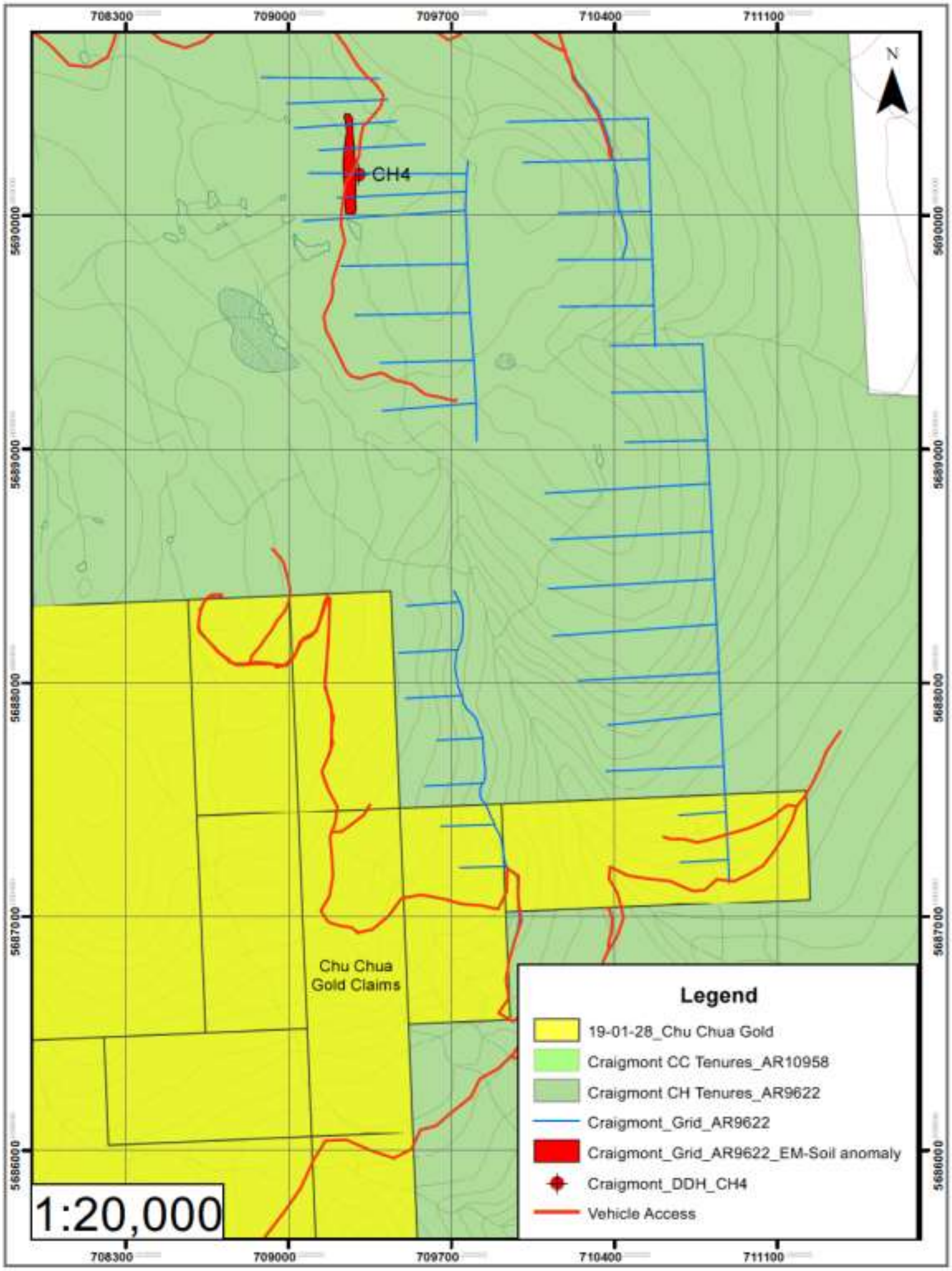


Figure 7. Map showing location of the Craigmont CH claims, grid lines cut for exploration purposes and relative location of the Property.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CH4
Chu Chua
Gold Claims
Legend
19-01-28_Chu Chua Gold
Craigmont CC Tenures_AR10958
Craigmont CH Tenures_AR9622
Craigmont_Grid_AR9622
Craigmont_Grid_AR9622_EM-Soil anomaly
Craigmont_DDH_CH4
Vehicle Access
1:20,000

Figure 8. Map showing details of Craigmont grid, including portions of grid that overlap the Property, and location of reconnaissance DDH CH4 relative to current Property claim boundaries (inset map from Figure 7).

6.2.2 Falconbridge Copper, Minnova Inc. and Eighty-Eight Resources; CC, CH, SC, and ANNA Claims, 1985-1995

Falconbridge staked the SC and ANNA claim blocks in 1983 to cover favourable stratigraphy in an area highlighted by reconnaissance mapping and sampling (Pirie, 1985a AR14243)—the Property now occupies much of this area; and in 1985 Falconbridge acquired the Chu Chua Copper Deposit along with Craigmont's CC Claims. The Property boundaries overlap the former SC claims and to a lesser extent the CH and ANNA claims (Figure 9).

The Falconbridge 1984 exploration program was designed to test the along-strike continuity of host rocks to the Chu Chua Copper Deposit. To that end, reconnaissance geological mapping (Figure 10), litho-geochemistry (166 rock samples) and soil geochemistry (14 samples) were undertaken. Mapping results were significant. Three south-trending lithological subdivisions were recognized: mafic volcanic rocks (often massive) with minor interlayered cherty rocks on the west; felsic volcanic rocks (flows and pyroclastic breccias, quartz-feldspar-porphyry, minor sedimentary rocks) in the centre; and, cherty argillite and chert—much of it carbonaceous—on the east. Diorite sills, dykes and plugs are ubiquitous. Litho-geochemistry provided major oxide concentrations for each of the major rock types, but very few samples had anomalous metal concentrations and none were assayed for gold. Noteworthy are high barium (Ba) values—considered a proxy for massive sulphide mineralization at Chu Chua Copper.

The geological mapping covered essentially all of the current Property and provided a crucial geological rationale for additional exploration there (Figure 10). The report submitted to the Provincial Government for assessment purposes concluded: "…the area contains a felsic-mafic transition with accompanying marine sediments, an environment ideal for massive sulphide deposition." (Pirie, 1985a, p. 9 AR14243). The Property is strategically located in this mafic-felsite-argillite transition which is the locus of significant gold intersected in drill holes and in surface samples (Evans, 1987 AR15856; Thompson, 2013 AR34307; Thompson and Cook, 2014 AR34982).

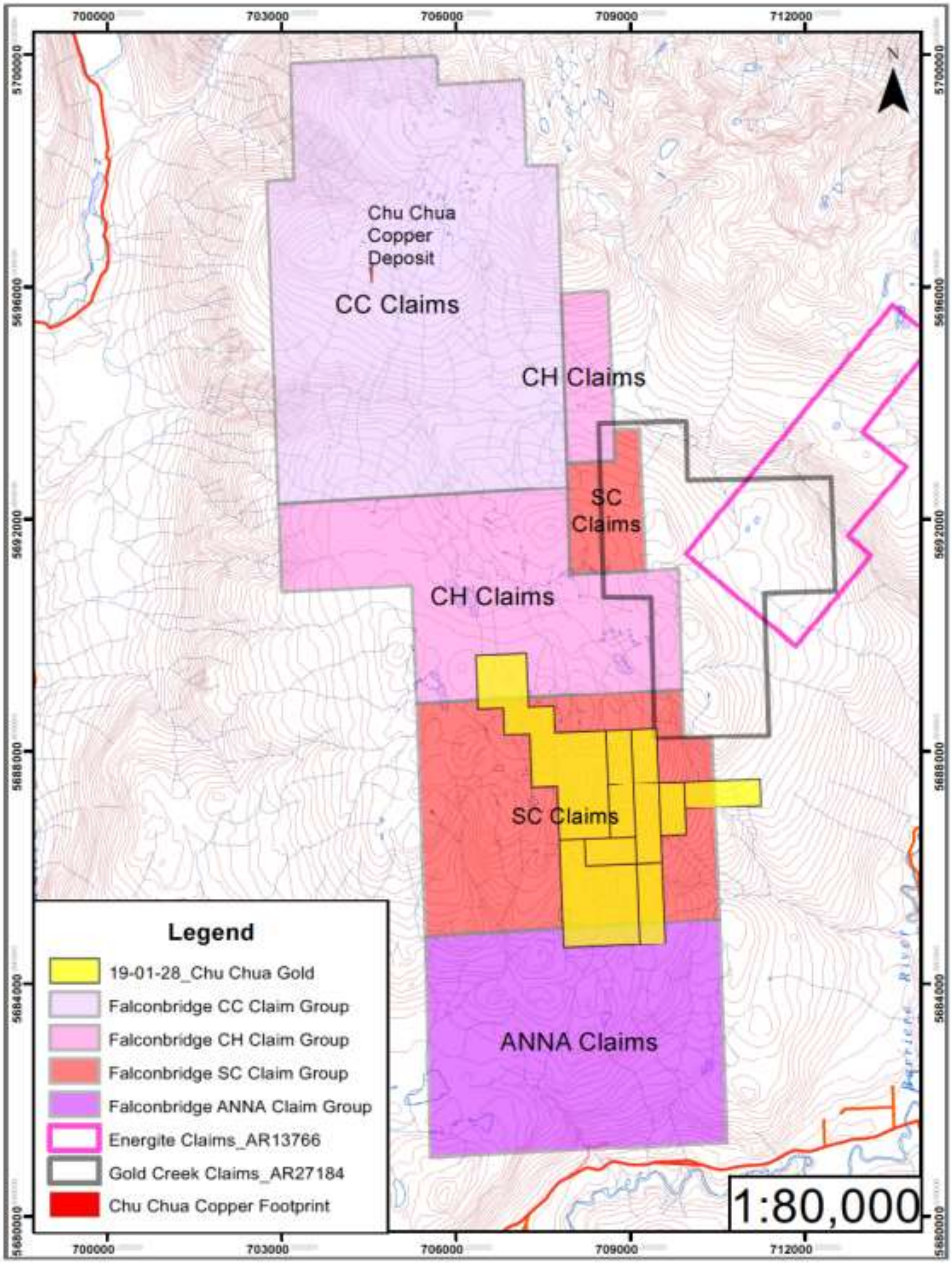


Figure 9. Map showing Falconbridge claim groups relative to those of the Property. Outlines of the Energite and Gold Creek claim blocks are shown for reference.

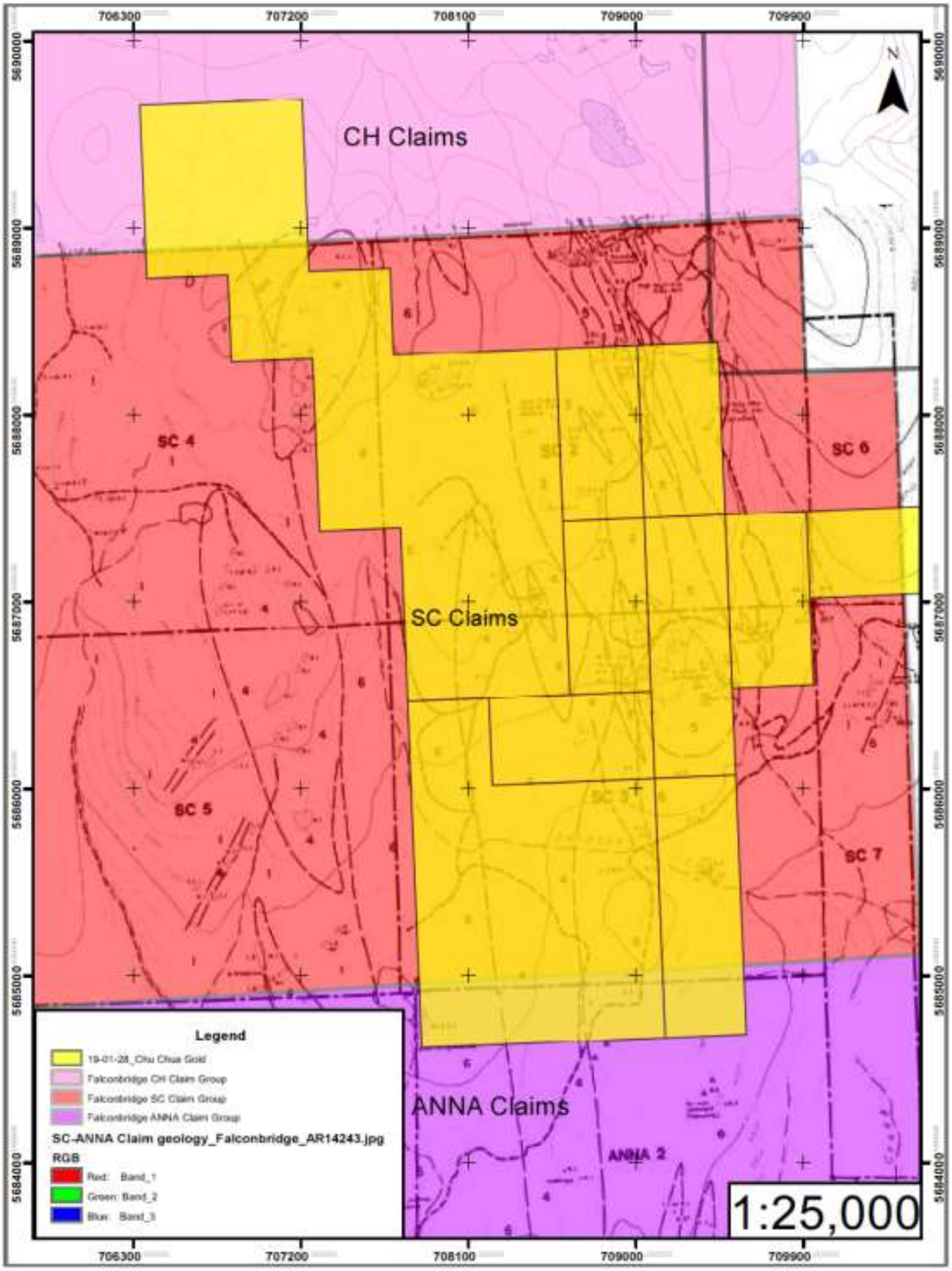


Figure 10. Map showing geological map as a georeferenced underlay to the SC claims and the Property claims.

Drilling on the SC Claims – the Property -- commenced in the fall of 1986 (Evans, 1987 AR15856) to test for massive sulphide mineralization along the felsic-cherty argillite transition mapped in 1984 (Pirie, 1985a AR14243). Four (4) DDHs totalling 518.9 m were drilled. Only BAR3 intersected a rhyolite dome (the SC Dome); its neighbour BAR4 (96 m to the north) was abandoned due to unsuitable rock conditions. BAR3 results are significant: "BAR3…returned significant gold and silver values. These included a 13.98 m section averaging 242 ppb Au and a 2.52 m section averaging 4.45 gm/t Au. This latter section included 0.3 m of massive pyrite assaying 18 g/t Au and 134 g/t Ag." (Evans, 19897, p.5 AR158576). Three observations are apparent (Thompson and Cook, 2014): 1) high Au grades over short intervals are present—18 g/t over 0.3 m; 2) much longer intervals, in this case 34 m, contain significant gold—0.4 g/t; and, 3) it appears that massive pyrite, 60% by volume, carries the highest gold grades. Hole BAR4 encountered a highly fractured and altered (propylitic) fault zone at 19.2 m that was continuous to 66.45 m where the hole was abandoned; Au and Ag concentrations were low.

Holes BAR 1 and 2 were drilled 2 km north from BAR3 (Figure 11) and did not intersect significant gold (1.0 m @ .59 g/t in BAR1 and 0.2 m @ 0.4 g/t in BAR2); however, the geology there is substantially different, consisting of rhyolite flows and tuffs interbedded with argillite and cherty argillite, suggesting the holes were drilled too far east.

In 1987, drilling at the SC Dome was continued (Gray, 1988 AR16996)—6 holes (BAR6-BAR13) totalling 459.62 m (Figure 12). Results were encouraging: "Holes BAR8 through BAR13 tested albite silica alteration zones…and returned a number of significant Au intersections, including 7.51 g/t Au over 0.4 m." (Gray, 1988, p. 5 AR16996). This result is somewhat understated, for example: BAR8 returned two separate near surface intersections assaying 1.23 and 1.39 g/t Au over 1.5 m intervals; BAR9 returned 0.78 g/t Au over 15 m, including 2.04 g/t Au over 4 m; BAR10 returned 7.51 g/t Au over 0.4 m and 1.79 g/t Au over 1.5 m; BAR11 returned 0.6% Cu, 3.8% Pb, 4.8% Zn and 110 g/t Ag over 0.45 m; and BAR-12 returned 0.59 g/t Au over 9 m.

These results are sufficient, in the author's opinion, to warrant follow-up exploration.

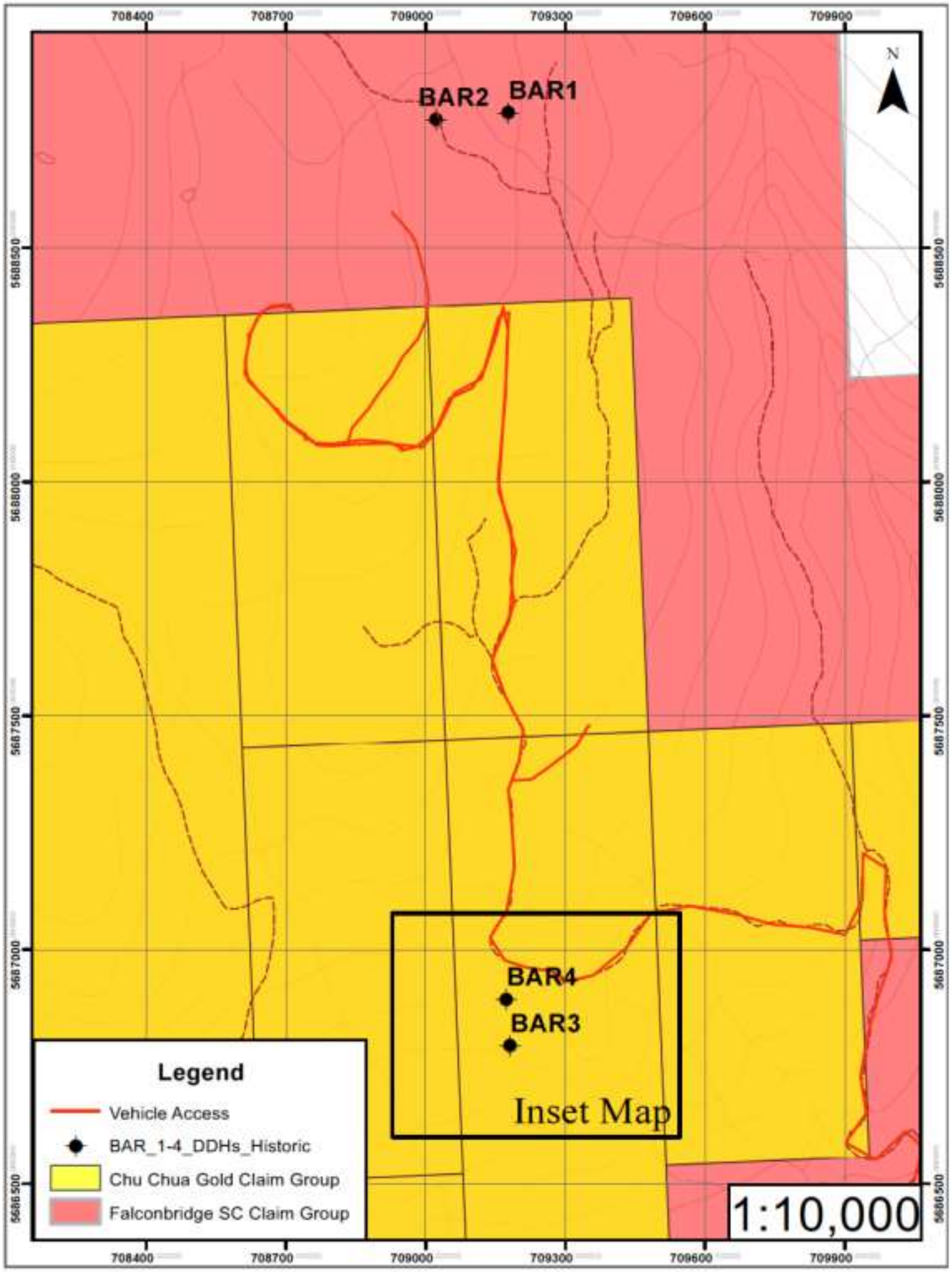


Figure 11. Map showing the 2 km separation between DDHs BAR1-2 and BAR3-4. BAR3 intersected significant gold values.

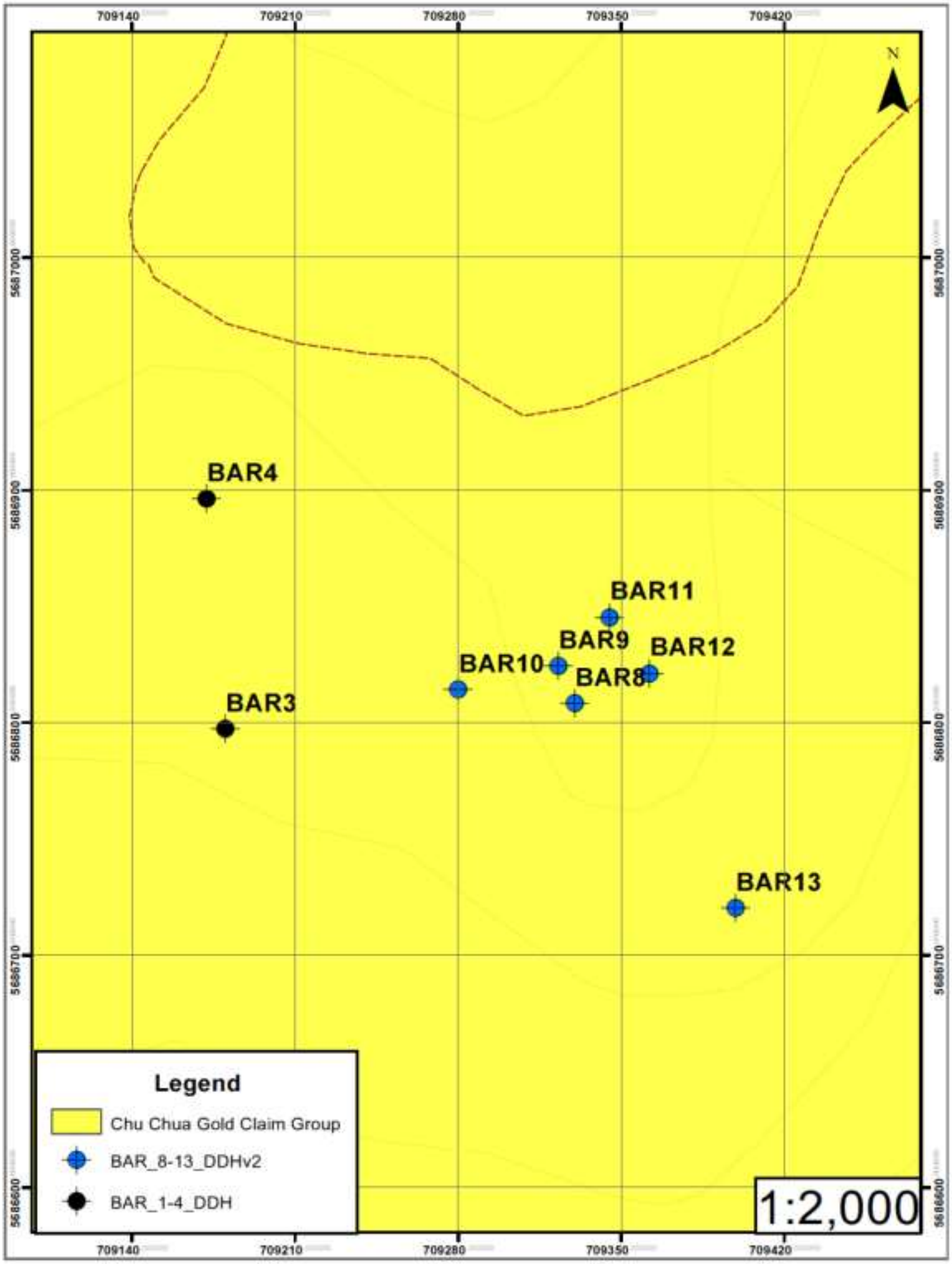


Figure 12 Details of the DDH pattern completed by Falconbridge on the SC Dome after completion of DDHs BAR8-13 (inset map from Figure 11).

Falconbridge ceased exploration for precious metals on the SC Dome on completion of the BAR 13 DDH.

In 1995, the SC Dome was the focus of limited exploration by Eighty-Eight Resources (Belik, 1995, AR23816). Forty-eight rock samples and 168 soil samples (no location maps provided) were collected over selected segments of the Falconbridge grid. Twenty-two soil samples returned assays greater than 20 ppb Au with one 330 ppb value collected from the SC Dome. A number of rock samples returned weakly anomalous Pb, Zn and Ag values, and a sample collected from the Dome assayed at 710 ppb Au. Later litho-geochemical surveys over the Dome returned numerous highly anomalous gold values (Thompson 2013; Thompson and Cook, 2014; discussed below).

Falconbridge had acquired the Chu Chua deposit in 1985 and had changed the company name to Minnova Inc. in 1987, and increasingly focused its exploration efforts on the CC Claim Group (Figure 11) in and around the Chu Chua Copper Deposit ("the Deposit").

6.2.3 Strongbow, Longview, Strachan, Shenul and First Americas Gold; 2007 – 2014

Strongbow Exploration Inc. ("Strongbow") acquired the mineral claims overlying the Chu Chua Copper Deposit (the "Deposit") in March 2006 and then proceeded to consolidate their land position around the Deposit in subsequent months; the southernmost portion of the Strongbow claims overlapped with the Property (Figure 13).

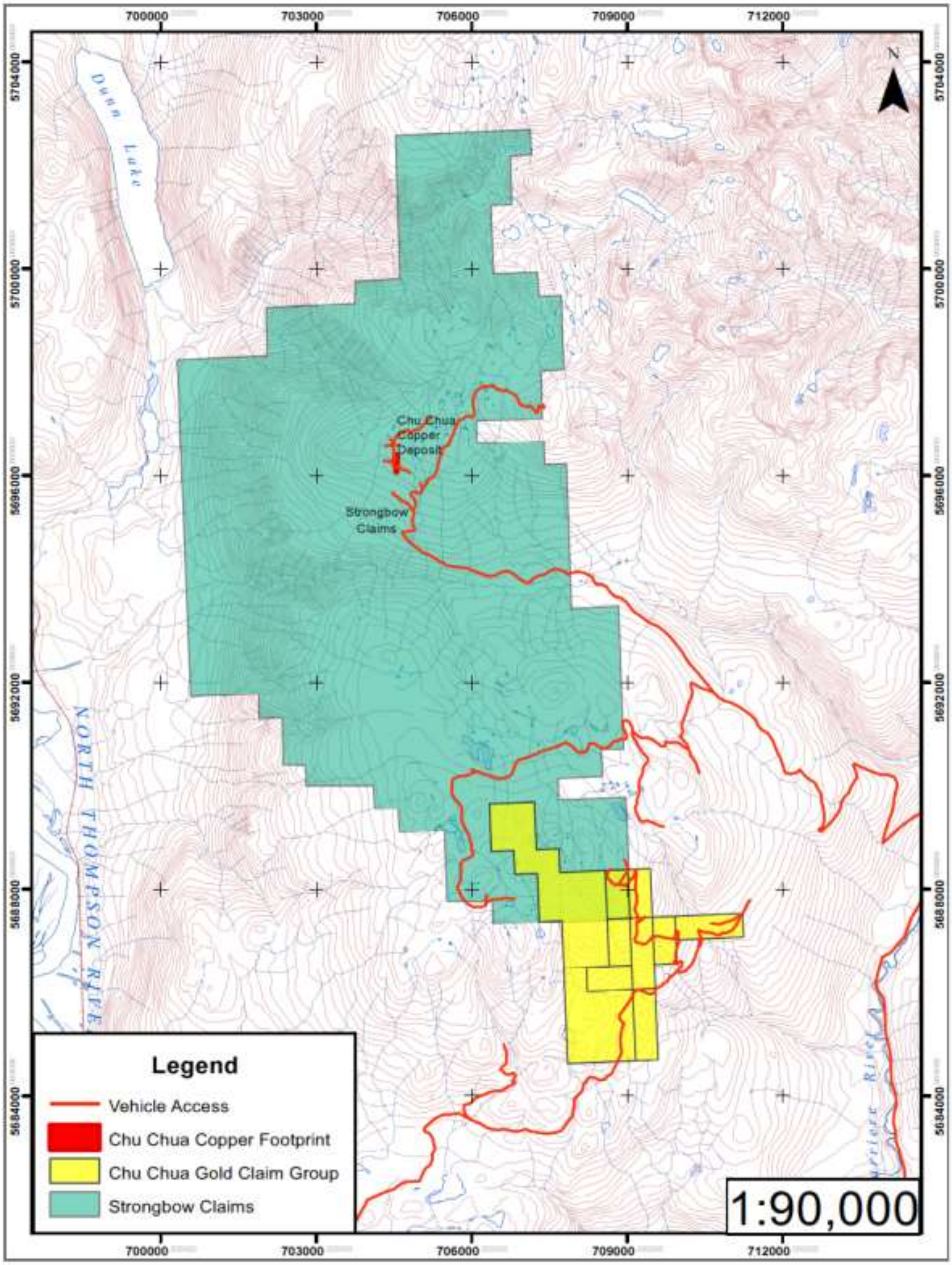


Figure 13. Strongbow Claims shown relative to the Chu Chua Gold Property.

In 2007, Longview Capital Partners Inc. ("Longview") assembled a mineral claims package they called the Chu Chua Claims by online staking, and through purchase agreements with Strongbow, Ellerbeck and Locke, and Gaye Richards ("Richards"). These claim holdings did not include the Chu Chua Copper Deposit but they did overlap with those of the P:roperty (Figure 13).

An 840 line-km AeroTEM III electromagnetic and magnetic survey ("Airborne Survey") was undertaken to explore for massive sulphide and epithermal gold deposits; as well, a digital compilation of historical data was completed (Raffle, 2008 AR30421). Upon completion of the Airborne Survey, Longview expanded their land package southward and in the process overlapped the Property (Figures 14 and 15). Results from the AeroTEM III electromagnetic and magnetic survey ("Airborne Survey") are now in the possession of Locke and Ellerbeck (Personal Communication, 2019).

The Airborne Survey is directly applicable to exploration strategies on the Chu Chua Gold Property because the survey covers approximately 50% of it (Figure 14). Two of 5 discreet high-priority, isolated and sizeable magnetic anomalies (M1 to M5; Figure 16) occur on the Property as do two discreet, isolated conductive anomalies (EM1 and EM2; Figure 17). When total magnetic intensity (TMI) anomalies are superposed with electromagnetic (EM) anomalies, it is apparent that conductor EM1 corresponds spatially with magnetic anomaly M2; similarly, there is (partial) spatial correspondence between EM2 and M3 (Figure 18).

Results of soil sampling by Craigmont and Minnnova (Gale, 2007 AR28895) indicate that the M1 anomaly (Figure 16), located immediately to the north of the Property, is coincident with a greater than 100 ppm Cu and greater than 75 ppm Zn soil anomaly.

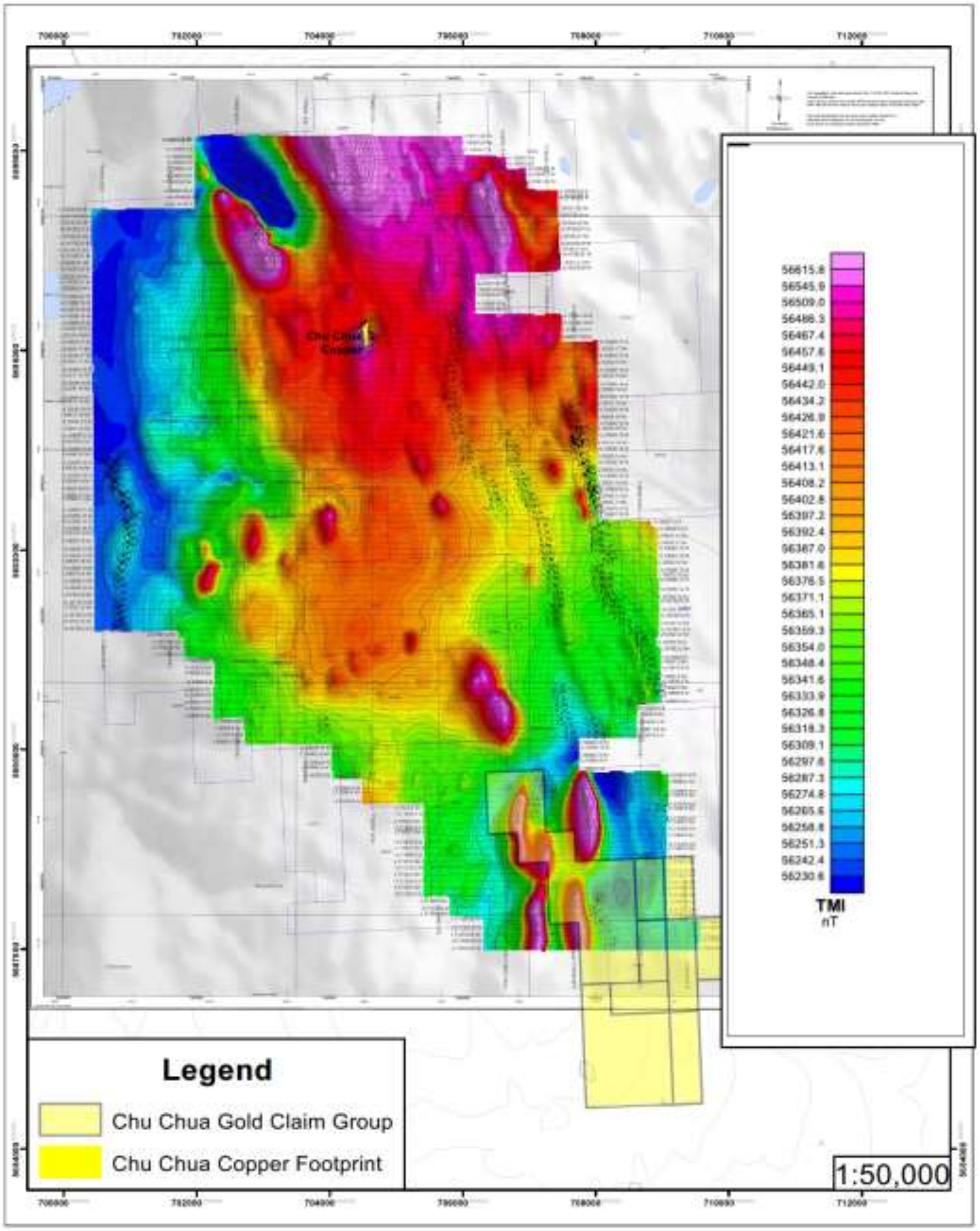


Figure 14. Footprint of total magnetic intensity map (TMI) relative to the footprint of the Chu Chua Gold Property.

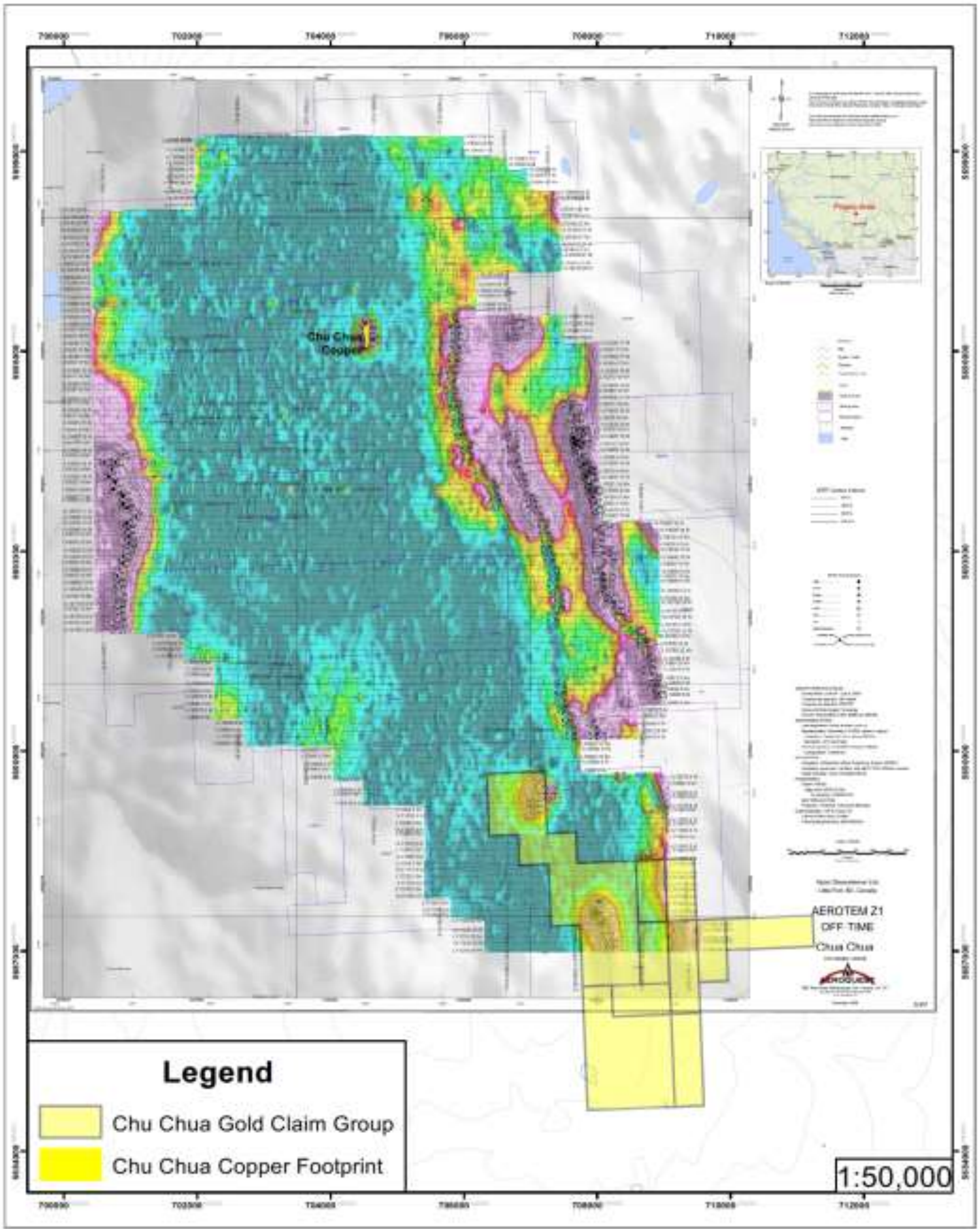


Figure 15. Footprint of Z1-OFF TIME conductance map relative to the footprint of the Chu Chua Gold Property. Conductance increases from turquoise (low) to pink (high).

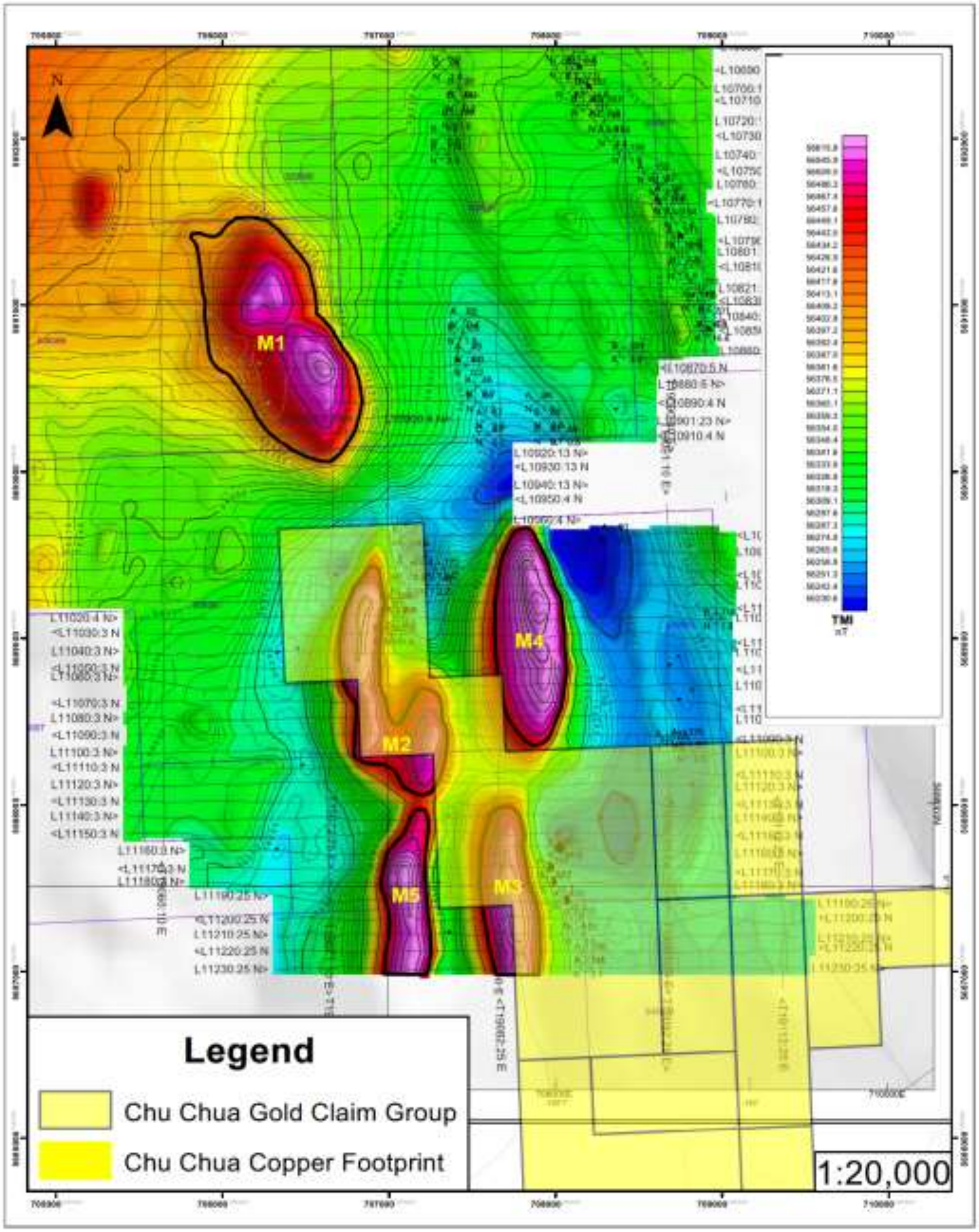


Figure 16. Magnetic anomalies (outlined and labeled M1-M5) that overlap with or are proximal to Chu Chua Gold Property

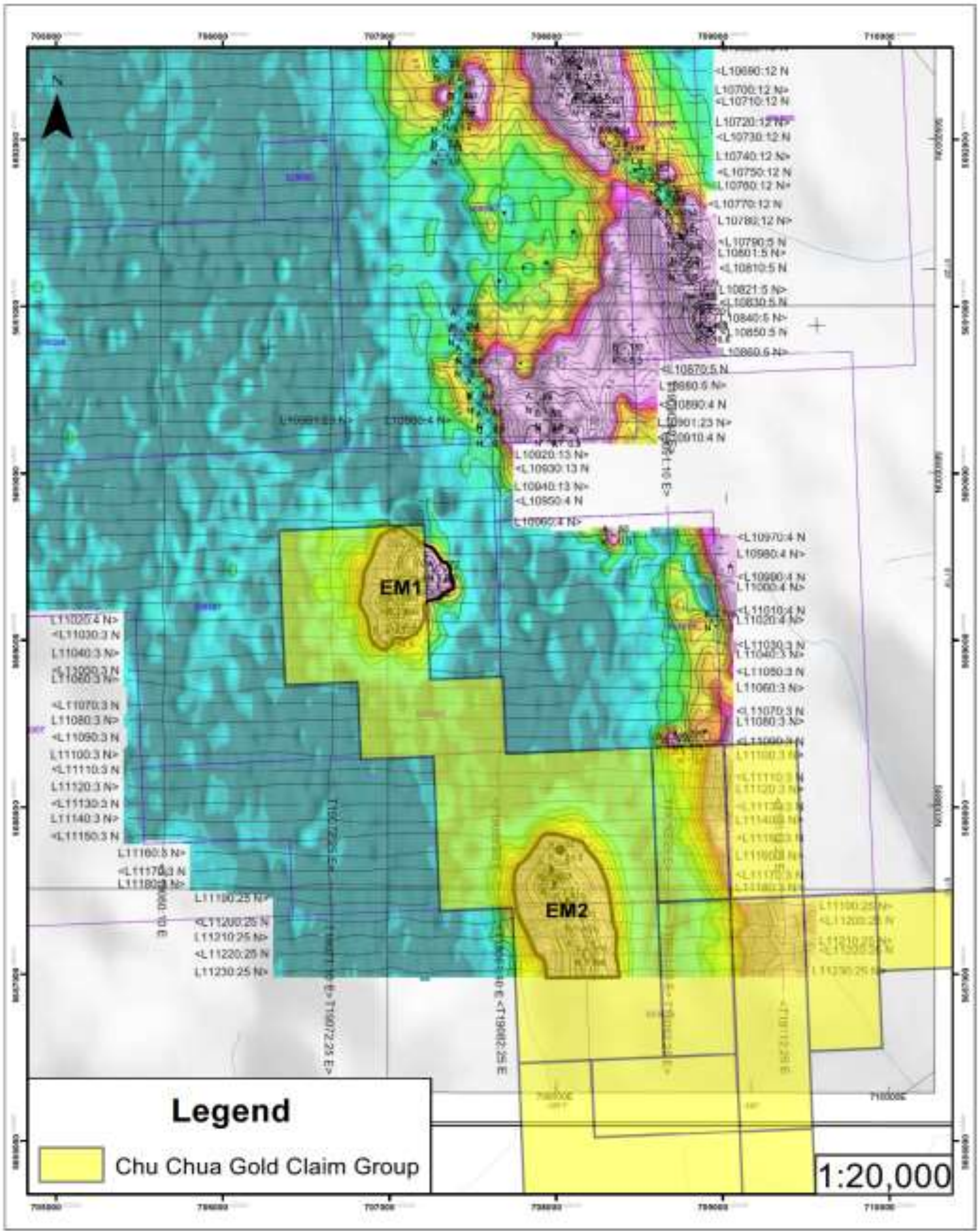


Figure 17. Electromagnetic conductors (outlined and labeled EM1 and EM2) that overlap with the Chu Chua Gold Property

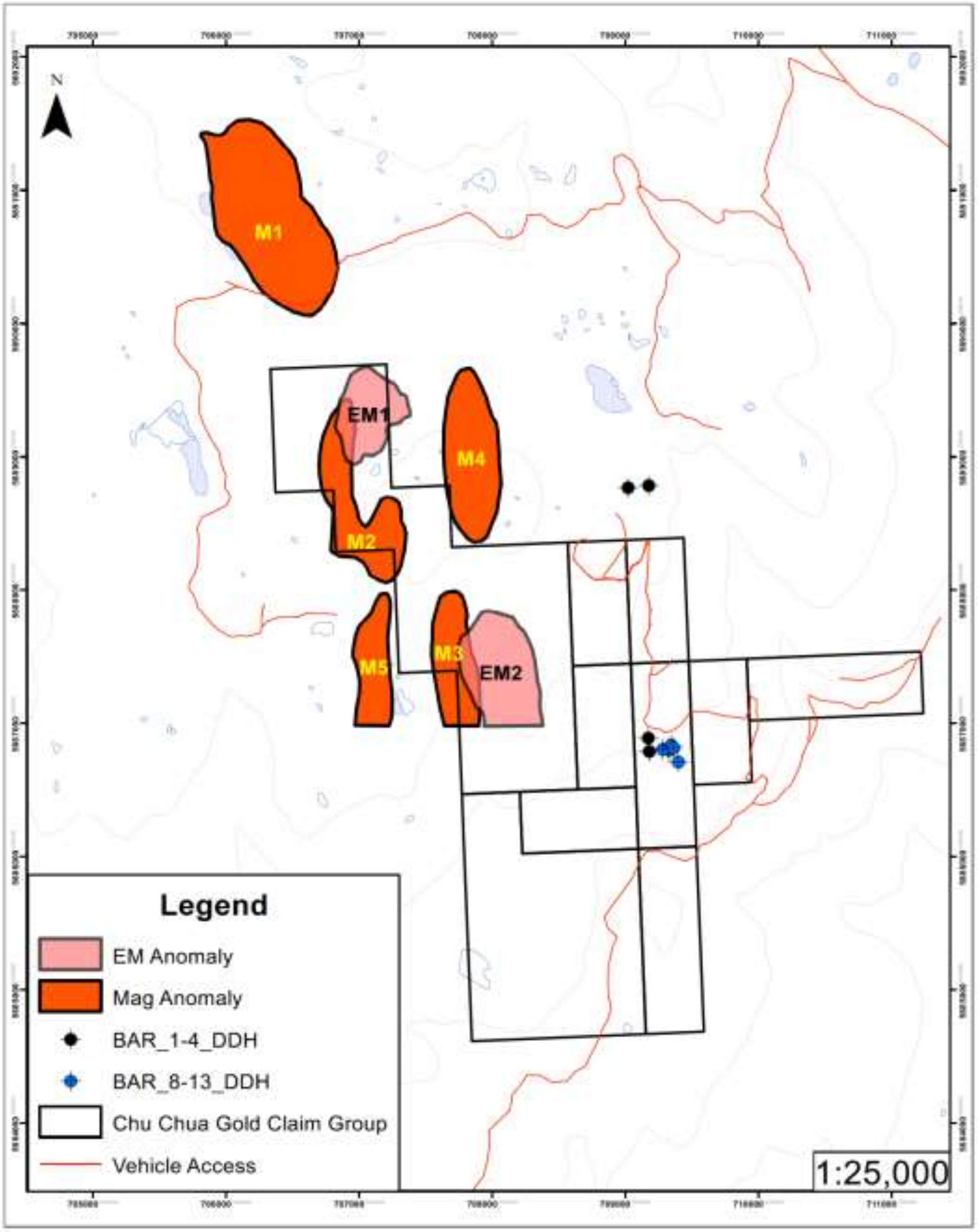


Figure 18. Positions of EM and Magnetic anomalies relative to Chu Chua Gold Property. BAR DDHs are plotted for reference purposes.

Between 2008 and 2010 Ellerbeck and Locke acquired the Chu Chua Property and in 2010 entered into an option agreement with Shenul Capital Inc. (Shenul; Christopher, 2010a AR31773 Pt.1) who renamed it the Chu Chua Shenul Property (the "CCS Property").[6] A NI43-101 was commissioned by Shenul (Figure 19; Raffle and Dufresne, 2010).

The overlap between the CCS Property and the Chu Chua Gold Property is illustrated in Figure 19.

In 2010 Shenul undertook soil (216 along 5.4 line-km), rock (5) and silt (5) sampling programs together with VLF-EM measurements (15 line-km) on a grid across the EM1 conductor (Figures 20 and 21). Much of this grid now lies on Chu Chua Gold Property claims. Analytical results for soils were reported as "weakly" anomalous (op. cit.) with maximum copper values of 253 ppm for Cu (<30 ppm background) and 30 ppb for Au (<1 ppb background). This author suggests these are robust values; however, most of the higher soil results fall outside the main EM1 anomaly as defined in Figure 21. Several north-striking, short (50 m to 100 m) weak to moderate conductors were observed.

[6] The Chu Chua Copper Deposit was, by then, owned by Reva Resources Ltd. who had bought it from Strongbow Resources. The author is not aware of the details of this transaction.

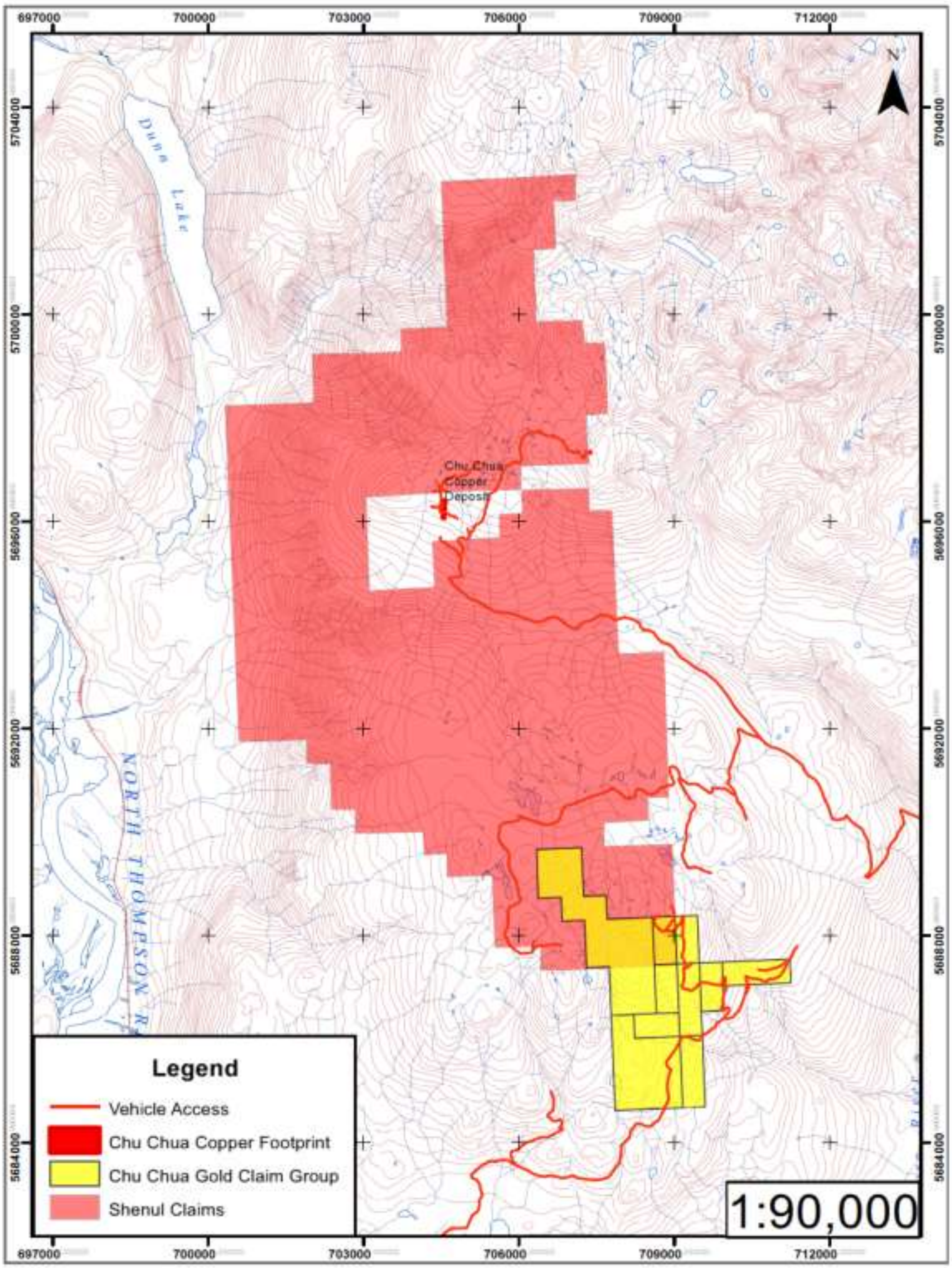


Figure 19. Shenul Claims shown relative to the Chu Chua Gold Property

Part 2 of the 2010 exploration program included 1) about 18 line-km of ground magnetic observations on the EM1 grid, 2) 3 DDHs (521 m; Figures 20 and 21), 3) a start on cutting a grid over the EM2 conductor (Figures 20 and 21) and 4) collection of 21 soil samples along the partially completed EM2 grid. Mucht of this work falls within the Property boundaries. The magnetic survey revealed a strong north-trending anomaly on the EM1 grid; however, no anomalous metal values were present in the drill core (Christopher, 2010a AR 31773 Pt.2). Cherty argillite is proposed as an explanation for the magnetic anomaly.

The drill logs lack detail: It appears that mafic rocks with some interlayered cherty argillite are the dominant rock types – terms such as basalt, diorite and gabbro are common. It appears that no felsic flows, porphyries or breccias were intersected If the core can be located (in the field) an examination is recommended.

In 2011, approximately 17 line-km of soil samples were collected on the EM2 grid together with 7.2 line-km VLF-EM and 8.3 line-km of magnetics (Figures 17 and 28). As well, two short test magnetic lines were done over the SC felsic dome where BAR DDHs 3, 4 and 8 to13 were drilled by Falconbridge (discussed above). The 2011 soil sampling produced some moderately anomalous gold values (100-358ppb range) mainly from the margins of the EM1 and EM2 anomalies; there were a number of weak to moderate strength VLF-EM anomalies following the northerly trend of layered rock units; and, the magnetics revealed two northerly trending zones. This author suggests that Shenul did not adequately test the EM1 anomaly with CCS holes 10 1-3. The azimuths of Holes CCS10-1 and -2 were 270 plunging at 58^{o} and that for CCS10-3 was 90^{o} plunging at 55^{o}. Given the maximum hole length of 206 m, the lateral (along strike of the core) distance achieved at termination would have been approximately 100m. In other words, the core of the anomaly was not intersected (Figure 20).

Shenul terminated exploration activities in early 2012.

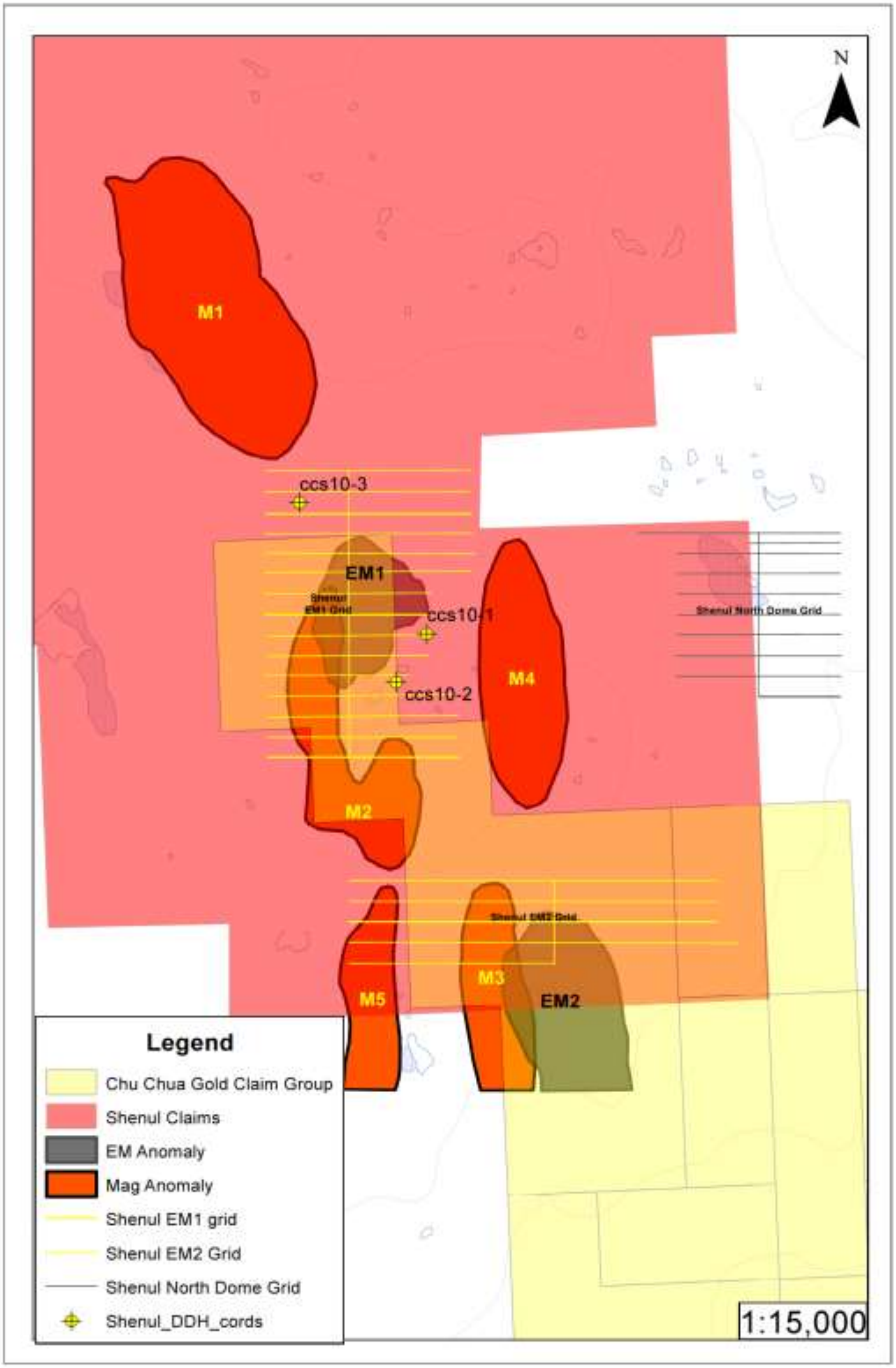


Figure 20. Grids used by Shenul for exploration purposes shown in relation to EM and Magnetic anomalies (Figures 16, 17 and 18). The locations of the Shenul DDHs are peripheral to the EM1 conductor where it overlaps with the M2 magnetic anomaly

In 2012, Strachan Resources Ltd. ("Strachan") optioned the Chu Chua Property from owners Ellerbeck and Locke (Figure 21). Strachan commissioned a 43-101 Technical Report (Raffle, 2013) for the purposes of completing a "Qualifying Transaction" as a Capital Pool Company under the policies of the TSX Venture Exchange. However, to the best of the author's knowledge, Strachan was not successful in raising sufficient funds to comply with the terms of the Option agreement and it lapsed.

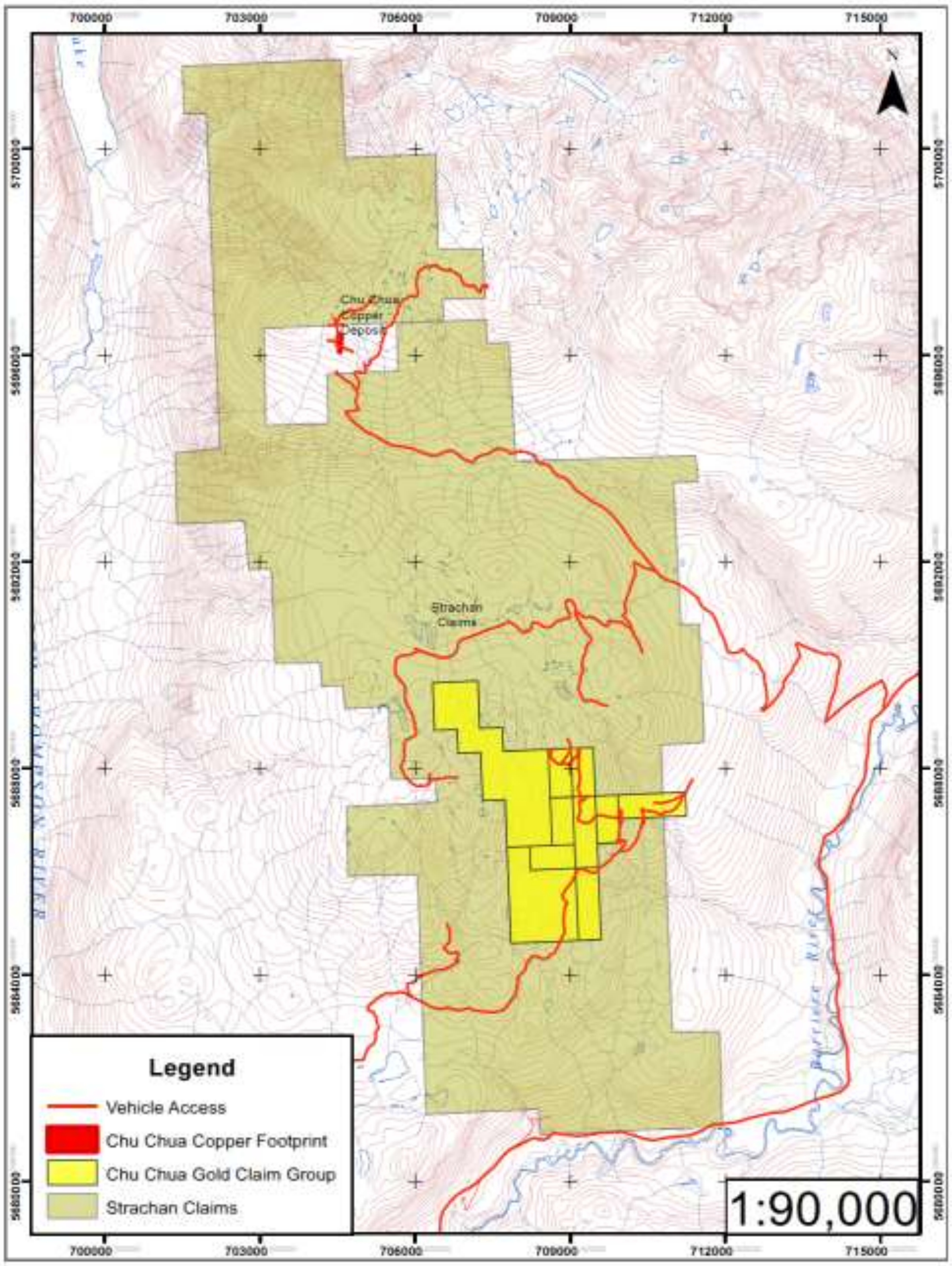


Figure 21. Strachan Claims shown relative to the Chu Chua Gold Property.

In 2013, First Americas Gold Corp. (FAC) optioned the Chu Chua Property from Ellerbeck and Locke and a two-phase exploration program was initiated. The approach was to start from the known—in this case the felsic SC Dome where the BAR3 DDH had intersected significant gold grades—and systematically extend rock-sampling outward to explore the surface limits of gold mineralization. Phase one tested the veracity of this approach, phase two provided more comprehensive sampling coverage. The results were encouraging. The zone of mineralization followed the strike of felsic rocks, as expected, but the concentration of gold in some samples and the size of the anomalous gold-bearing area were more significant than anticipated. Once phase one results were available (96 samples; Table 2), phase two (215 samples, Table 3) was initiated to provide more comprehensive coverage. The 90th percentile from phase one samples was 397 ppb Au, the 95th percentile was 1008 ppb Au and the a maximum value was 1221 ppb Au; phase two results were similar but higher, the 90th percentile was 407 ppb Au, the 95th percentile 932 ppb Au, and the maximum value 5860 ppb Au.

Table 2. Gold concentrations expressed as percentile intervals for phase one samples (Thompson, 2013 AR34307).

Metal-contentration plotting Intervals					
intervals between percentiles	**Au ppb**	**Cu ppm**	**Zn ppm**	**Ag ppm**	**Pb ppm**
0%-25%	0-9.25	0-4.3	0-10	0-0.1	0-12.4
25%-50%	9.26-41	4.4-7.9	10.1-19.1	0.11-0.2	12.5-23.7
50%-75%	41-145	8-24.6	19.1-44.0	0.21-0.5	23.7-52.4
75%-90%	146-395	24.7-87	44.1-76.0	0.51-3.4	52.5-231.3
90%-95%	397-1007	87.1-289.6	76.1-213.3	3.5-6.1	231.4-1077.8
95%-100%	1008-1221	289.7-2821.1	213.4-917.0	6.2-100	1077.9-10000

Table 3. Gold concentrations expressed as percentile intervals for phase two samples (Thompson and Cook, 2014 AR 34892).

Metal-contentration percentile Intervals					
intervals between percentiles	**Au ppb**	**Cu ppm**	**Zn ppm**	**Ag ppm**	**Pb ppm**
0%-75%	<133	<6.6	<31	<0.3	<27.6
75%-90%	133 - 407	6.6 - 22.4	31-61	0.3-0.8	27.6-90.9
90%-95%	407 - 932	22.4 - 62.5	61-112.8	0.8-3.1	90.9-370.4
95%-98%	932 - 1890	62.5 - 228.5	112.8-215.4	3.1-8.2	370.4-1002.5
98%-100%	1890 - 5860	228.5 - 2821	215.4-4299	8.2-100	1002.52-10000+

The distribution of anomalous gold samples has a width of 0.5 to 0.75 km and a strike length of about 4.5 km (Figure 22). Samples are clustered – partly a function of bedrock exposure and partly a function of the natural variability in concentrations seen in most gold deposits (Figures 23-25). It is interesting that BAR3 DDH occurs proximal to a cluster of high-value samples whereas BAR1 and 2 are offset roughly 400 m from the nearest cluster of high value samples—when drilling for gold, 400 m is a long way. When the scale of these sample distributions is compared with the size of airborne geophysical anomalies (e.g., Figure 18), it is readily apparent that deciding DDH placement and spacing is challenging and that large step-outs are (very) high risk. One might also conclude that determining where gold concentrations are at surface using bedrock sampling techniques might be one of the best approaches to designing a drill program for the Property.

Two short VLF test lines were run across the northern cluster tracking the rock sample sites (Figure 22, inset map 1) and revealed near surface conductors that could represent concentrations of pyrite given the apparent lack of nearby carbonaceous rock units.

FAC ceased exploration on the Chu Chua Property after the 2013 field season due to financial distress.

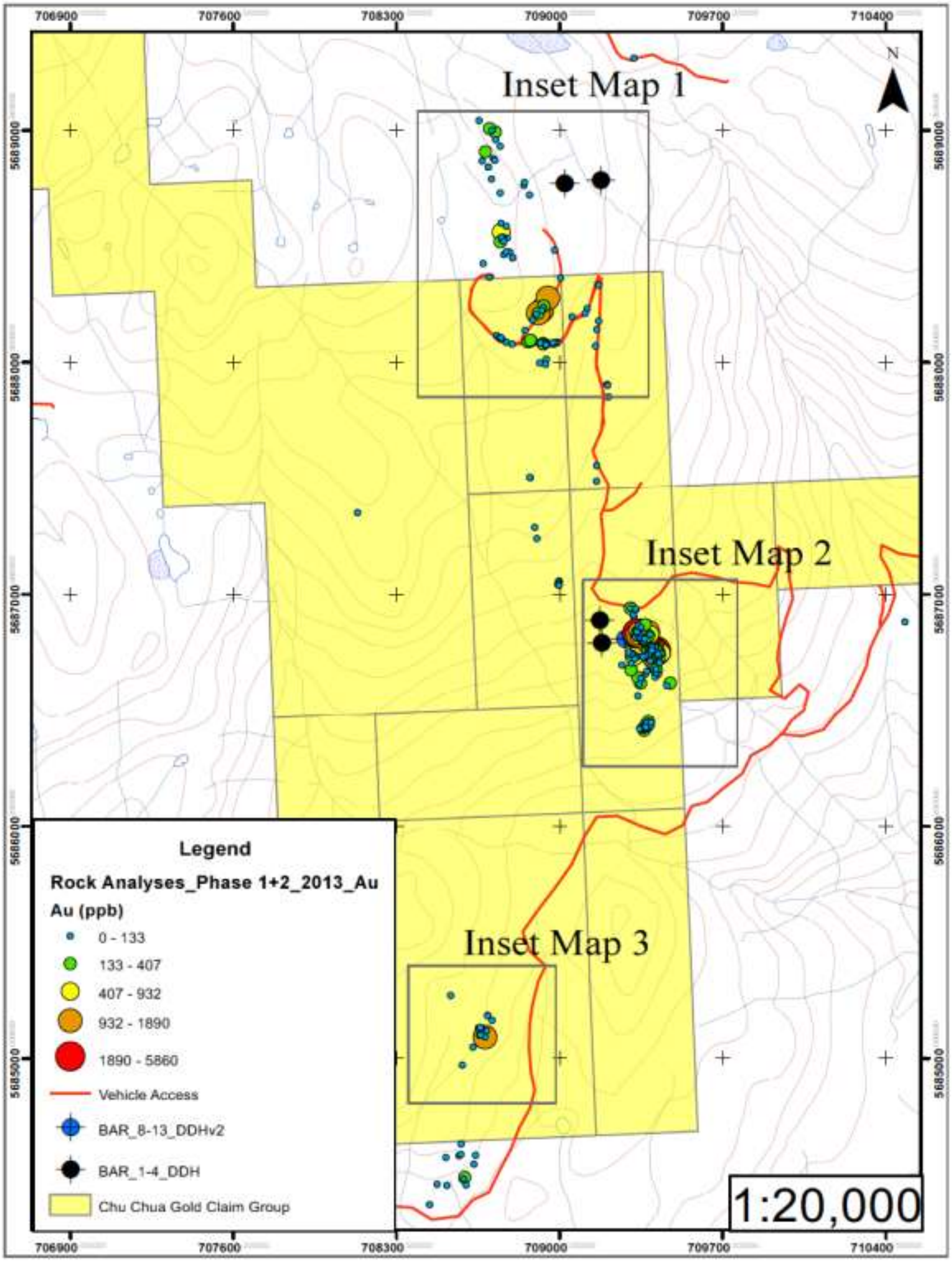


Figure 22. Map showing the areal distribution of rock samples and a graphical depiction of Au concentrations (inset maps 1-3 are presented as Figures 25-27).

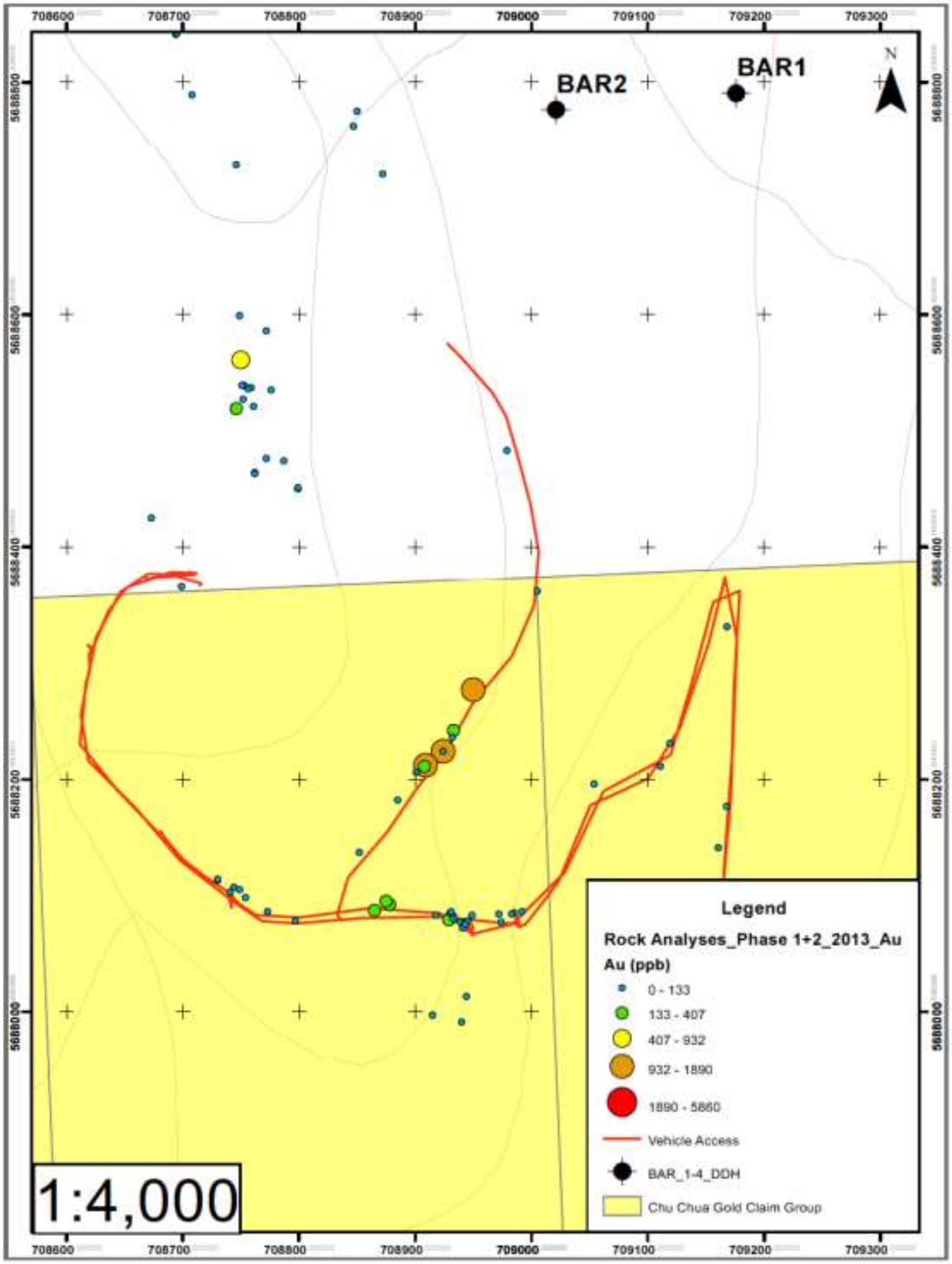


Figure 23. Inset map 1 (Figure 22) showing distribution and grade of surface rock samples relative to the location of DDHs BAR 1 and 2.

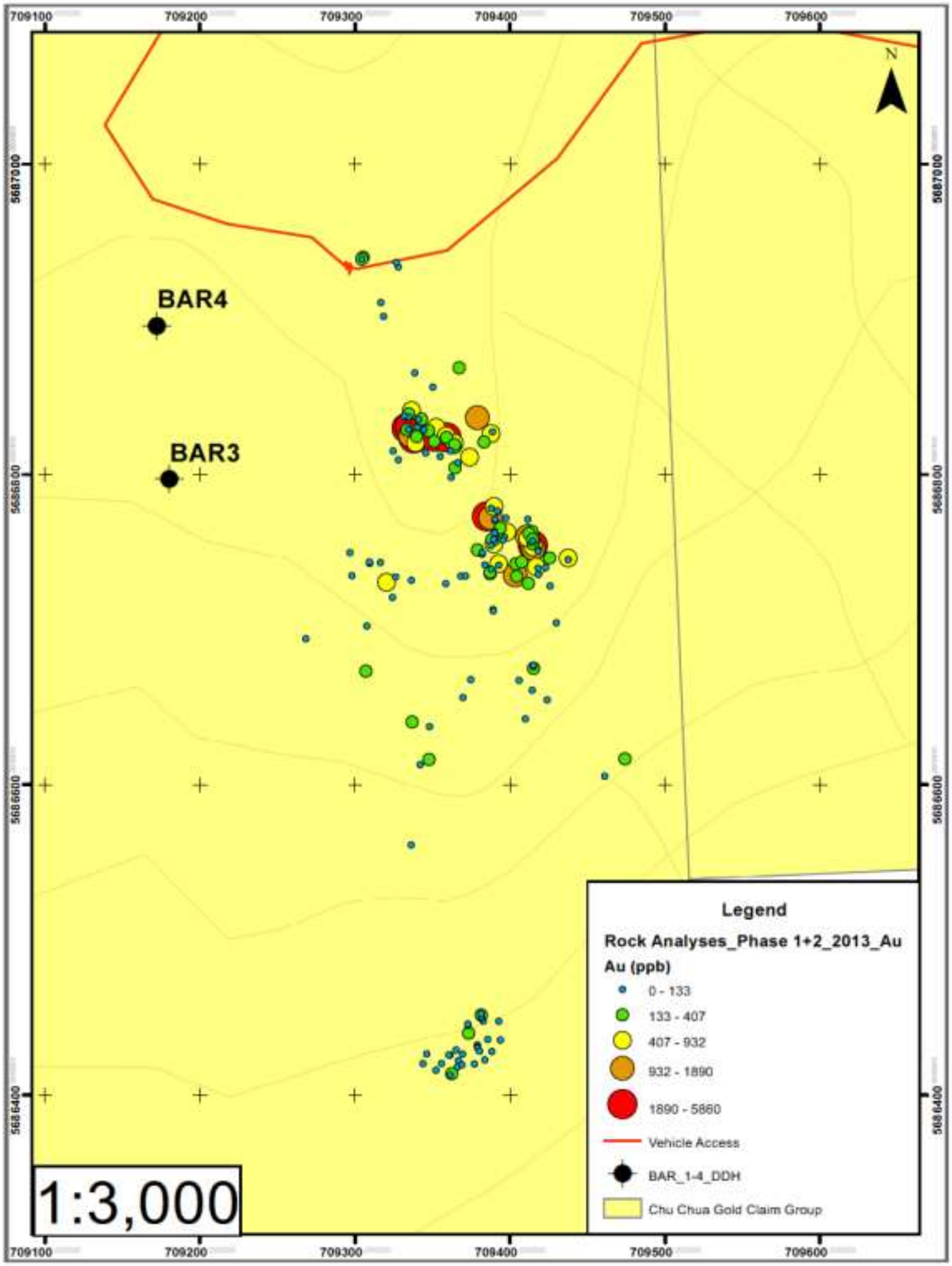


Figure 24. Inset map 2 (Figure 22) showing distribution and grade of rock samples relative to the location of DDH BAR3.

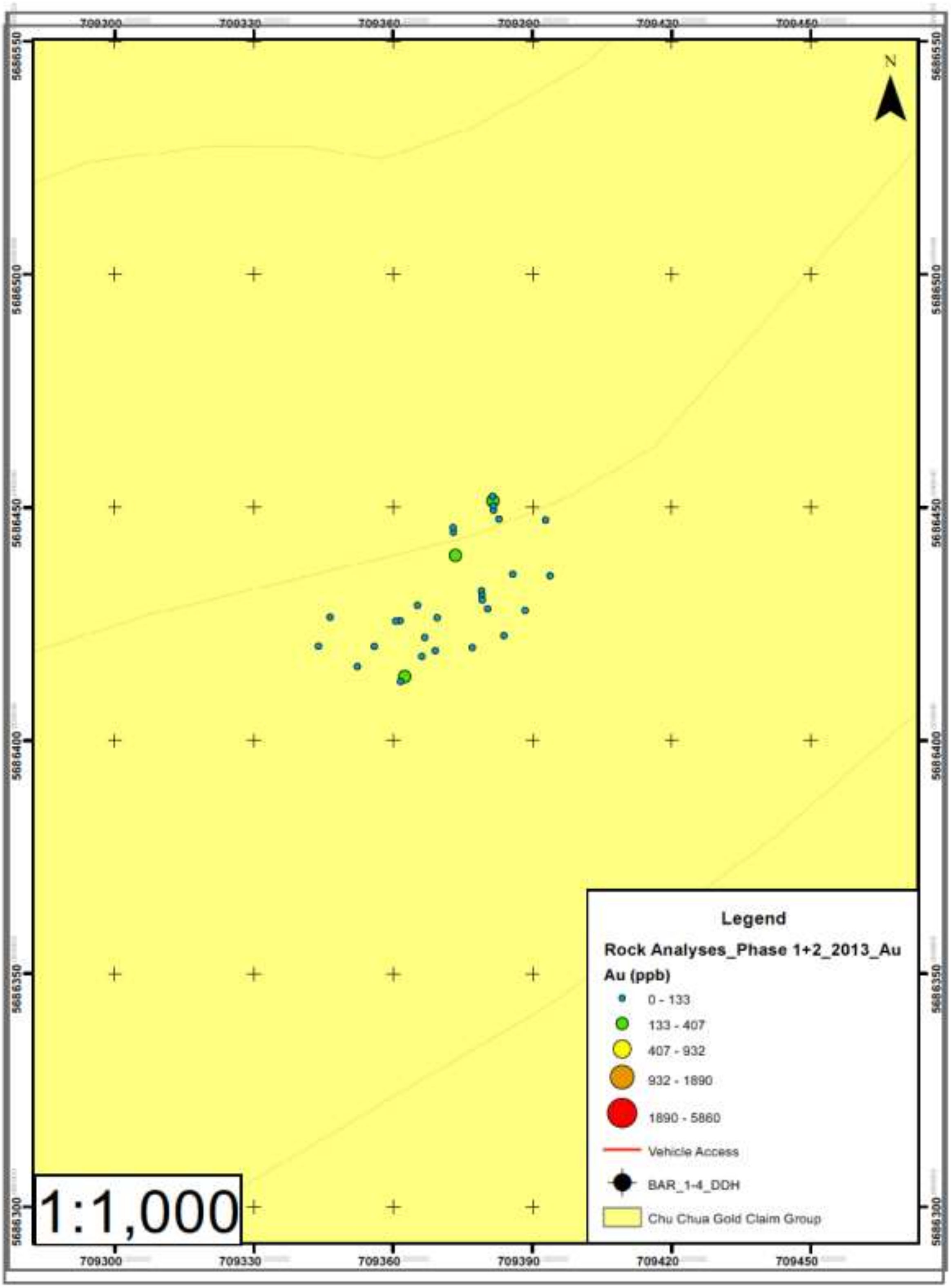


Figure 25. Inset map 3 (Figure 22) showing distribution and concentration of gold in samples near the southern boundary of the Property.

6.3 Analysis and Discussion of BAR 1, 2 and 8-13 DDHs

6.3.1 Introduction

Eight DDHs were completed on the Property (Table 4): BAR 1,2 and BAR 8-13 (Evans, 1987; Grey, 1988, AR16996). A couple of multi-gram intersections were reported, one for BAR3 and another for BAR10, otherwise a number of significant results were not mentioned (Table 4). Perhaps this reflected "the times"; however, this understated approach fails to acknowledge that there are significant intersections of anomalous gold indicating, in this author's opinion, significant exploration potential for gold in and around the SC Dome. Unfortunately the core was discarded and assay- and data verification-procedures were not reported on thereby rendering the information available in assessment reports of historical significance only and not suitable for inclusion in any resource estimate for the Chu Chua Gold Property going forward.

The following is a more detailed assessment of the BAR drilling results including some of the inconsistencies noticed by the author.

Table 4. Summary data base for BAR DDHs 1-4 and 8-13 providing the highest grade intersections gleaned from drill logs and assay sheets. See section 11.3.1 for discussion of BAR3 assay results.

DDH_ID	New UTM_X	New UTM_Y	Azimuth	Plunge	Length_m	Comment
BAR1	709176	5688792	270	50	151.7	Intersected ~35 m of rhyolite tuff cut by occasional quatz vein; strong sericite alteration. No significant Au.
BAR2	709120	5688778	270	50	171.08	0.4g/t over 0.2 m in silicified rhyolite w ~80% pyrite; intersected ~100m of rhyolite flow cut by occasional qtz veins.
BAR3	709180	5686798	270	50	127.25	Discrepancy wrt azimuth of hole: 270⁰ on x-section, 90⁰ on geol. map. Discrepancy wrt location between x-section and geol map. Normalized grades are: 0.210g/t pver 34 m including 4.45g/t over 2.52 m and 0.242g/t over 14 m. Highest grades associated with ,60% pyrite and highest grades have most signmificant fracturing.
BAR4	709172	5686897	270	50	69.86	Abandoned due to poor drilling conditions
BAR8	709330	5686809	266	50	49.38	1.5 m @ 1.23 g/t; 1.5 m @ 1.39 g/t
BAR9	709323	5686825	270	50	48.16	1.5 m @ 3.35 g/t
BAR10	709280	5686815	90	48	61.56	0.4 m @ 7.51 g/t; 1.5 m @ 1.79 g/t;
BAR11	709345	5686846	270	50	79.81	1.5 m @ 1.25g/t
BAR12	709362	5686822	270	65	99.676	1.5 m @ 1.03
BAR13	709399	5686721	290	55	121	no significant Au-rich intersections

6.3.2 Procedures

The BAR1 and 2 DDHs were drilled by J. T. Thomas (contractor) using a wireline rig to drill NQ size core; BAR8-13 were drilled by Frontier Drilling Ltd. Collar bearing and dip (plunge) were recorded and downhole orientation checked at 30 m intervals using an acid test. Drill-hole coordinates are provided relative to the 'cut' (and surveyed?) exploration grid on the Falconbridge SC Claims. Core was logged, split, and shipped to Min-En Labs of North Vancouver (no longer listed as operating company), British Columbia for chemical analysis.

Core logging documentation is analogue, comprising descriptions typed in columns under the following headings: Rock Type, Texture and Structure, Angle to Core Axis, Alteration, Sulphides and Remarks. Two styles of logging are evident: DDHs BAR1 and 2 descriptions are general with little information regarding vein type, orientation, or density (Figure 26); DDHs BAR8-13 contain little in the way of general lithological descriptions but do provide significant detail regarding fracture type, density and vein-filling composition; as well as, concentration, distribution and type of sulphides present (Figure 27). The information is useful and objective in nature once abbreviations are deciphered.

From To	Rock Type	Texture and Structure	Angle to Core Axis	Alteration	Sulphides	Remarks
0-3.8	casing					
3.8-34.46	ARGILLITE	Colour - black Grain size - fine F.gr, massive black argillite with occasional 20-30cm bed of grey wacke and occasional fragment	bedding 45	Propylytic alteration on fractures Occasional qtz veinlet	1-2% diss. py	Casing to 25.53m with only 35% recovery Moderately conductive
34.46 to 89.58	SILTSTONE with ARGILLITE	Colour - grey with black Grain size - fine Interbedded siltstone with 30% argillite interbeds. Occasional slump breccia zone From 75m down there are occasional frags of felsic tuffs	bedding 40m-40 to 45 70m-60 86m-70	Occasional qtz veinlet Occasional chlorite on fractures	2-3% py blebs	Good recovery Soft sediment Slump structure at 43m indicates tops up hole Some zones weakly conductive (argillite) Faults at 62.16, 63.39, 65.35 with fault clay gouge for 5-10cm
89.58 to 98.58	RHYOLITE TUFF	Colour - lt. grey to lt. brown Grain size - fine F.gr. tuff; finely laminated with qtz + feldspar phenos approx. 1mm Occasional argillite interbeds and some bedding within tuffaceous unit	bedding 60 -70	Sericite alteration pervasive with occasional clay zone	Tr. py	Foliation parallel to bedding 90.46m:fault with clay gouge
98.58 to 112.80	GREYWACKE with ARGILLITE	Colour - grey to black Grain size - fine to med. Interbedded argillite and greywackes as well as occasional f.gr gravel with clasts 4-6mm of chert	bedding 75	Occasional qtz-carb alteration	py blebs = 1% py	Argillite can be very graphitic on fractures and is conductive Slumping indicates tops up hole at 98m.

Figure 26. Example of core log for the upper portion of the BAR3 DDH (Evans, 1987 AR15856, *BAR#3 Page 2*).

An assay sheet and a litho-geochemistry sheet (Figures 28 and 29) are appended to each core log. The assay sheet consists of a standard tabulation of data under the following headings: Sample Number, From, To, Length, and elemental concentrations in parts per million (ppm) or parts per billion (ppb) as appropriate (base and precious metals). The lithogeochemistry sheet provides concentrations of the major oxides as percentages as well as trace element concentrations—in this case Cu, Zn, Pb and Zr—as ppm or percentages.

For DDHs BAR1-4, two sets of rudimentary graphical logs showing drill-hole orientation and depth plotted on E-W cross-sections (Figure 30), enumerate results from the assay sheets and the geochemistry sheets. For example, plots containing analytical data are graphical accounts of sample intervals, analytical results for each interval, core-foliation angle measurements, lithological intervals with abbreviated descriptions, and supplementary information regarding vein density and sulphide (mainly pyrite) concentrations for specific core intervals (Figure 29). No graphical logs are provided for DDHs BAR8-13.

MINNOVA INC.
DRILL HOLE RECORD

HOLE NUMBER: BAR-8 DATE: 20-January-1988

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALISATION	REMARKS
0.00 TO 1.22	CASING					Overburden.
1.22 TO 45.38	RHY FQP INTR. (ALBITE- SILICA & SER-SILICA ZONE)	Light-medium grey, White-grey, light green-grey. Aph-BM grained, F-m CI. Massive fqp rhyolite intrusive in albite-silica & ser-silica zone. Fp phenos 10-15% (1-4mm, avg. 1x2mm white tabular subhedral. Quartz eyes 3-5% (1-1mm round light grey. GM light grey, - loc. white & loc. green, aph. Locally possibly QFP sections.		Hole collars in albite-silica zone then is gradually dominated by ser-silica alteration zone. Alteration identified includes: i) silicif'n ii) albite-silica (wh bleached zones?) iii) quartz veins, 2 gen'n +/- calc iv) ser-silica Perv silf'ed GM TH-Q(?). Quartz veins include 2 distinct gen'n, (A) W-S (1-3mm transluscent, light grey loc stwk and (B) milky white 2-20mm thick VW-S quartz +/- py veins. ie) 1.22 - 2.52m: W-M (A); W (B). 2.52 - 5.40m: S loc I stwk c/a 15 (A), W-M loc M-S (2.52 - 3.50m) 4-15mm c/a 10, 65deg. 5.40 - 6.30m: S loc stwk (A), nil (B). 6.30 - 10.50m: S-loc I (A), M loc S c/a 5-10deg. 10.50 - 16.50m: M loc S stwk <<1mm thick inconspicious veins. (A), nil (B)	Variable tr-10%py as f-cg disseminated & py stringers. Loc tr-3% PO as FG blebs & patches. Loc disseminated <1% GA&Sph. ie) 1.22 - 2.22m: <1-1%py. 2.22 - 2.57m: 1-2%py. 2.57 - 4.00m: 3-5% disseminated & str, c/a 15deg. py. 4.00 - 5.00m: 1-2%py. 5.00 - 6.09m: 2-3% disseminated py. loc <1% PO @ 5.75 - 5.95 6.09 - 6.32m: 3-5% disseminated py. 6.32 - 7.17m: 2-3%py F-MG 7.17 - 7.42m: 3-5% M-CG Py. 7.42 - 9.50m: 1-2%py, loc. <1% GA (?) @ 5.00m. 9.50 - 11.20m: 3-5%py disseminated & minor 1-2mm thick str c/a 10deg. 11.20 - 13.30m: <1-2%py dissem. loc discon str. c/a 10deg, loc tr GA @ 13.00m. 13.30 - 13.80m: <1-1%py, <1-1%PO. 13.80 - 14.05m: 8% M-CG Py. irreg. str c/a 35-40deg. 14.05 - 14.55m: 3% F-MG Py, TR-<1%PO. 14.55 - 16.04m: TR-1%Py,	with limonitic frac. coatings. Note S HM fracture coatings with milky white quartz veins and whitish bleached/silicified alt'n.

Figure 27. Example of core log sheet for DDH BAR 8 showing detailed tabulation of fracture density and orientation, and estimates of sulphide content, texture and distribution (Gray, 1988 AR16996, *BAR10 Page 4).*

The BAR drill core was discarded after Minnova ceased exploration activities (Ellerbeck, personal communication, 2019).

No discussion of core logging or analytical procedures is provided (Evans, 1987 AR15856; Gray, 1988 AR16996).

Sample Number	From (m)	To (m)	Estimate Cu	Estimate Zn	Length (m)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO2	% TiO2	% Na2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	PPM Ag	PPB Au	
3001	3.08	5.01			1.93											9	51	14	0.2	5	
3002	5.01	7.53*			2.52					1.65	4.45 gm/T over 2.52m					20	57	75	1.0	1400	
3003	6.88	7.18			0.30	Result (BAR 3A) Au – [illegible] Ag – [illegible]				25.20						103	74	148	8.0	18000	
3004	7.53	9.28			1.75											9	49	20	0.2	750	
3005	9.28	11.18			1.90											7	15	14	0.2	50	
3006	11.18	13.60			2.42											6	11	10	0.2	40	
3007	13.60	15.43			1.83											8	12	42	0.1	10	
3008	15.43	17.30			1.87											7	7	7	0.2	20	
3009	17.30	19.30			2.00											10	26	64	0.2	10	
3010	19.30	20.81			1.51											8	49	19	0.3	10	
3011	20.81	22.77			1.96											10	100	13	0.2	470	
3012	22.77	25.12			2.35											9	35	8	0.2	210	
3013	25.12	27.07			1.95											11	21	9	0.2	195	242ppb/13.98m
3014	27.07	29.07			2.00											9	53	14	0.1	155	
3015	29.07	30.76			1.69											7	12	8	0.2	185	
3016	30.76	33.27			2.51											11	30	26	0.2	215	
3017	33.27	34.79			1.52											15	45	10	0.1	280	
3018	34.79	36.77			1.98											11	61	12	0.2	45	
3019	36.77	38.77			2.00											10	18	18	0.3	85	
3020	38.77	40.83			2.06											10	21	10	0.2	5	

Hole No. Bar #3 * Except 6.88-7.18 Page 4

Figure 28. Example of assay Sheet for upper part of BAR3 DDH (Evans, 1987 AR15856, *BAR#3 Page 4*).

LITHOGEOCHEMISTRY

			MAJOR OXIDES											TRACE ELEMENTS									
SAMPLE NUMBER	FROM (m)	TO (m)	SiO2	Al2O3	CaO	MgO	Na2O	K2O	FeO	MnO	TiO2	Ba	ppm Cu	ppm Zn	% Pb	ppm Ag	ppb Au	Rock Type	Alt	Min	ZR	TOTAL
BAR 101	89.60	92.80	66.63	17.27	2.95	1.41	0.20	4.30	3.88	0.07	0.50	.222	8	36	.005						.005	97.45
102	92.80	97.50	69.75	15.29	3.22	1.31	0.44	3.75	2.84	0.07	0.46	.202	12	54	.005						.005	97.33
103	112.90	115.90	64.33	20.14	1.88	1.37	1.54	4.66	2.79	0.04	0.30	.447	4	34	.005						.005	97.51
104	115.90	119.00	67.10	18.43	2.06	1.52	0.95	4.22	3.02	0.04	0.27	.403	4	42	.005						.005	98.01
105	119.00	121.85	72.66	14.96	1.42	0.78	3.74	1.95	1.73	0.04	0.22	.219	4	34	.005						.005	97.72
106	121.85	124.30	66.69	18.00	2.86	1.30	2.25	3.60	3.03	0.04	0.26	.459	6	44	.005						.005	98.50
107	124.30	127.35	70.34	14.85	3.43	0.89	3.11	2.45	2.05	0.06	0.21	.316	4	28	.005						.005	97.71
108	127.35	130.20	71.95	15.21	1.18	0.64	4.13	1.96	1.80	0.03	0.22	.267	4	32	.005						.005	97.38
109	130.20	133.46	71.11	16.45	1.35	0.88	2.92	2.97	2.25	0.04	0.24	.373	4	28	.005						.005	98.58
110	133.46	137.22	73.91	14.95	0.90	0.69	3.04	2.36	1.81	0.02	0.22	.236	4	30	.005						.005	98.16
111	137.22	140.80	74.83	12.70	1.89	1.00	2.05	2.62	2.49	0.05	0.22	.190	8	46	.005						.005	98.05

Figure 29. Example of LIthogeochemistry Sheet for AR 3 DDH (Evans, 1987 AR15856, *BAR#3 Page 6*).

6.3.3 Interpretation of Results

Observations apparent from the inspection of drill logs and assay sheets include the following:

- The interlayering (interfingering) of quartz-feldspar-porphyry, rhyolite flows, tuffs and breccia with argillaceous siltstone and shale beds supports intrusion and extrusion of felsic volcanic rocks into and perhaps on the outboard margin of a sedimentary basin;
- Core-bedding angles are uniformly large suggesting that layering is steeply inclined;
- High Au concentrations are associated with high vein density, significant pyrite as vein fillings and disseminations, and abundant sericite alteration;
- There are no assay reports describing analytical methods used, or QC-QA protocols;
- There is sometimes a significant difference between Au concentrations reported as *ppb*, and those same sample intervals reported as *g/t*;
- There are discrepancies regarding the calculation of norms for the BAR3 DDH; and
- There are inconsistencies regarding the orientation and location of BAR3 DDH when comparing the location provided on the geological map against that inferred from the graphical cross-section and hole azimuth noted in the drill log "header".

The last three observations require additional comment (6.3.4, 6.3.5, 6.3.6).

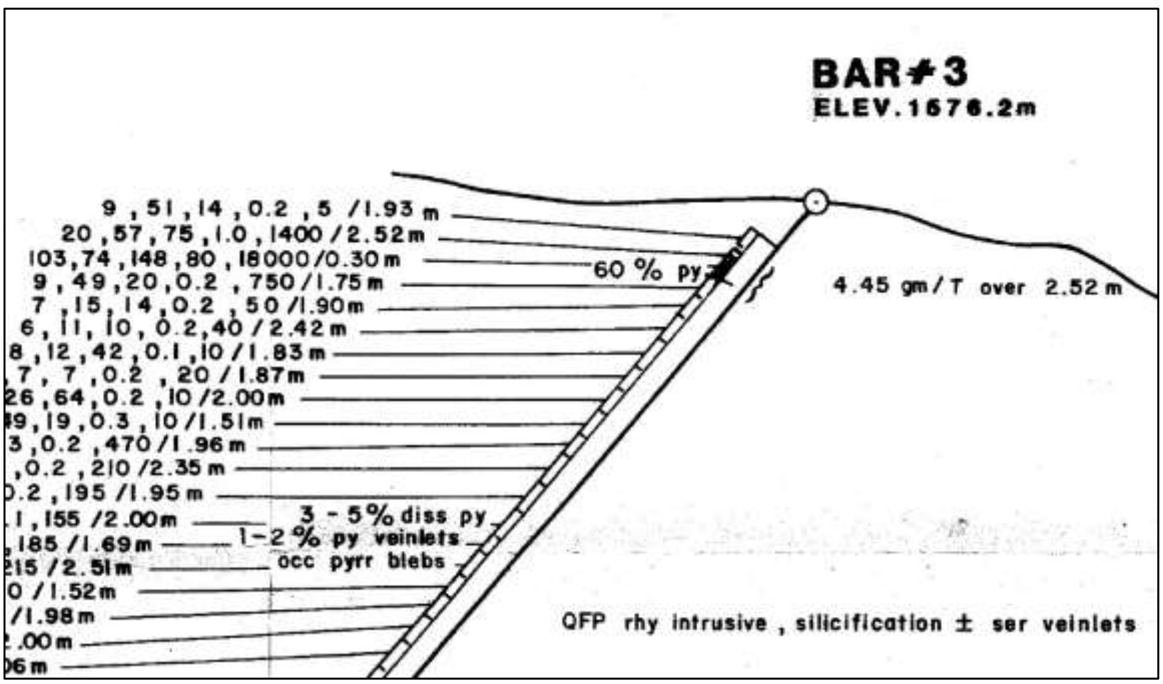


Figure 30. Upper portion of BAR 3 DDH lithological profile plotted as W-E cross section (Evans, 1987 AR15856, *Figure 5*). Numbers at left reference: Cu (ppm), Zn (ppm), Pb (ppm), Ag (ppm), Au (ppb)/interval (m).

6.3.4 Disparity in Gold Concentrations Reported in *ppb* as opposed to *g/t*

Typically, when Au concentration for the same core sample interval is reported as *ppb* and as *g/t*, the latter is higher, often significantly. In the example provided (Figure 31) two samples, one reported as having 5100 ppb Au, and the other 980 ppb Au, are accompanied by g/t values of 7.52 and 1.79 respectively. There is no explanation provided in the assay data or the accompanying reports. The author's interpretation is that samples were initially analysed using mass spectrometry techniques; those samples having high Au values, say 1000 ppb or higher, were assayed a second time using fire-assay techniques to provide a more accurate measure of gold content. Perusal of assay sheets for each BAR DDH suggests values quoted as *ppb* may be undervaluing the actual Au concentration by 50% or more. If core samples were available, resampling would be a useful first step in reassessing the gold potential of the SC Dome.

6.3.5 Disparities in BAR3 DDH Normative Calculations

Two normalized numbers are quoted for the BAR3 DDH: "These included a 13.98 m section averaging 242 ppb Au and a 2.52m section averaging 4.45 gm/T Au. This latter section included 30 cm of massive pyrite assaying 18 g/T Au and 134 g/T Ag." (Evans, 1987 SR15856 p. 5). These numbers have appeared in subsequent summary reports; however, scrutiny suggests they are not accurate.

In Figure 28, the 13.98 m section normalized at 242 ppb should read 122.32 ppb. It appears that when the calculation was initially made, the total Au present in the interval was divided by the number of samples (7) rather than 13.98, the number of m over which the gold occurs. Resolving the other problematic numbers, 2.52 m averaging 4.45 g/t Au is more difficult. The author's reading and interpretation of the assay sheet (Figure 43) is: 1) The 2.52 m sample interval (from 5.01 m to 7.53 m) was resampled as two parts, 0.3 m of the massive pyrite (from 6.88 m to 7.18 m) and the remaining two portions of the interval comprising 2.22 m (from 5.01 to 6.88 m and from 7.18 m to 7.53 m). Gold concentrations quoted on the assay sheet are (interpreted) as: 25.2 g/t (25,200 ppb) over 0.3 m and 1.65 g/t (1,650 ppb) over 2.22 m. When these values are normalized over 2.52 m, the result is 10.65 g/t Au (10,650 ppb). The author has not been able to reconcile the 4.45 g/t number quoted in ARs above.

HOLE NUMBER: BAR-10 ASSAY SHEET

Sample	From (m)	To (m)	Length (m)	ASSAYS AG ppm	AS ppm	B ppm	CU ppm	PB ppm	SB ppm	Zn ppm	AU ppb	GEOCHEMICAL AU g/T	Cu %	PB %	ZN %	AG g/T
7761	0.61	1.50	0.89	2.3	3	4	9	250	1	423	40					
7762	1.50	3.00	1.50	0.3	1	2	4	12	1	35	120					
7763	3.00	4.50	1.50	0.8	9	2	6	84	1	58	400					
7764	4.50	5.60	1.10	0.7	1	2	10	27	1	77	310					
7765	5.60	6.00	0.40	2.5	5	7	45	67	4	59	5100	7.51				
7766	6.00	7.50	1.50	0.5	9	2	2	28	1	50	20					
7767	7.50	9.00	1.50	0.4	11	1	3	24	1	58	10					
7768	9.00	10.50	1.50	0.6	7	2	11	43	1	85	220					
7772	12.00	13.50	1.50	0.4	2	1	5	26	1	48	35					
7773	13.50	15.00	1.50	1.0	8	4	9	63	1	104	10					
7774	15.00	16.50	1.50	0.7	9	5	8	43	1	125	5					
7775	16.50	18.00	1.50	0.4	7	2	5	63	1	130	5					
7776	18.00	19.50	1.50	1.3	25	1	2	17	3	28	45					
7777	19.50	21.00	1.50	0.4	4	1	2	20	1	35	10					
7778	21.00	22.50	1.50	0.6	5	3	7	26	1	49	115					
7779	22.50	24.00	1.50	4.0	6	9	19	70	5	109	980	1.79				
7780	25.50	27.00	1.50	0.9	13	3	5	19	2	38	525					
7781	27.00	28.50	1.50	0.8	1	5	5	30	1	60	35					
7782	28.50	30.00	1.50	0.5	2	5	4	17	1	53	80					
7783	30.00	31.50	1.50	0.7	9	3	4	21	2	36	15					
7784	31.50	33.00	1.50	0.7	8	3	6	16	1	50	125					
7785	34.50	36.00	1.50	0.8	13	4	6	29	2	41	500					
7786	36.00	37.50	1.50	0.9	17	5	13	25	1	59	450					
7787	37.50	39.00	1.50	0.8	11	5	8	15	2	33	200					
7788	39.00	40.50	1.50	0.7	7	4	6	22	1	39	100					
7789	40.50	42.00	1.50	0.8	9	2	3	19	1	39	110					
7790	42.00	43.50	1.50	0.6	8	2	5	20	1	60	125					
7791	43.50	45.00	1.50	0.7	7	2	3	18	1	73	10					
7792	45.00	46.50	1.50	0.7	11	2	3	34	2	54	55					
7793	46.50	48.00	1.50	0.6	13	1	2	12	2	29	5					
7794	48.00	49.50	1.50	0.5	21	4	6	13	2	39	20					
7795	49.50	51.00	1.50	0.5	17	2	4	10	2	32	25					
7796	51.00	52.50	1.50	0.5	12	1	4	13	1	36	15					
7797	52.50	54.00	1.50	0.5	11	3	4	14	1	28	5					
7798	54.00	55.50	1.50	0.5	10	2	3	12	2	26	10					
7799	57.00	58.50	1.50	0.6	8	1	7	15	2	29	5					
7800	58.50	60.00	1.50	1.0	1	6	6	80	1	62	40					
7801	60.00	61.56	1.56	0.5	12	2	2	21	1	43	35					

Figure 31. BAR10 DDH assay sheet.

6.3.6 Inconsistencies in the Location and Orientation of BAR3 DDH

The drill log for BAR3 states in its header that the hole has an azimuth of 270⁰; however on the geological map that accompanies the assessment report, the BAR3 DDH has an azimuth of 090⁰. In this case, the drill log is presumed to be correct.

In the cross section for BAR3, it is shown located very close to the top of a hillock (Figure 30) and 37); however, on the geological map (Figure 37), the hole is plotted near the base of a shallow gully located west of the hillock mentioned above. UTMs for the hole were taken from a georeferenced version of the geological map, as were the locations for DDHs BAR 1, 2, and 4. It appears a caveat is required, given the discrepancy noted above.

Field examination of drill hole casing coordinates and inclinations is in order.

6.3.7 Sample Length, True Thickness Estimates, Orientation of Mineralization

The BAR drill hole sample lengths were 1.5 m (occasionally longer) unless significant pyrite was encountered in which case the sample interval was decreased in length (e.g., Figure 43). The felsic rock units were systematically sampled but not necessarily the argillaceous ones unless quartz veins were present.

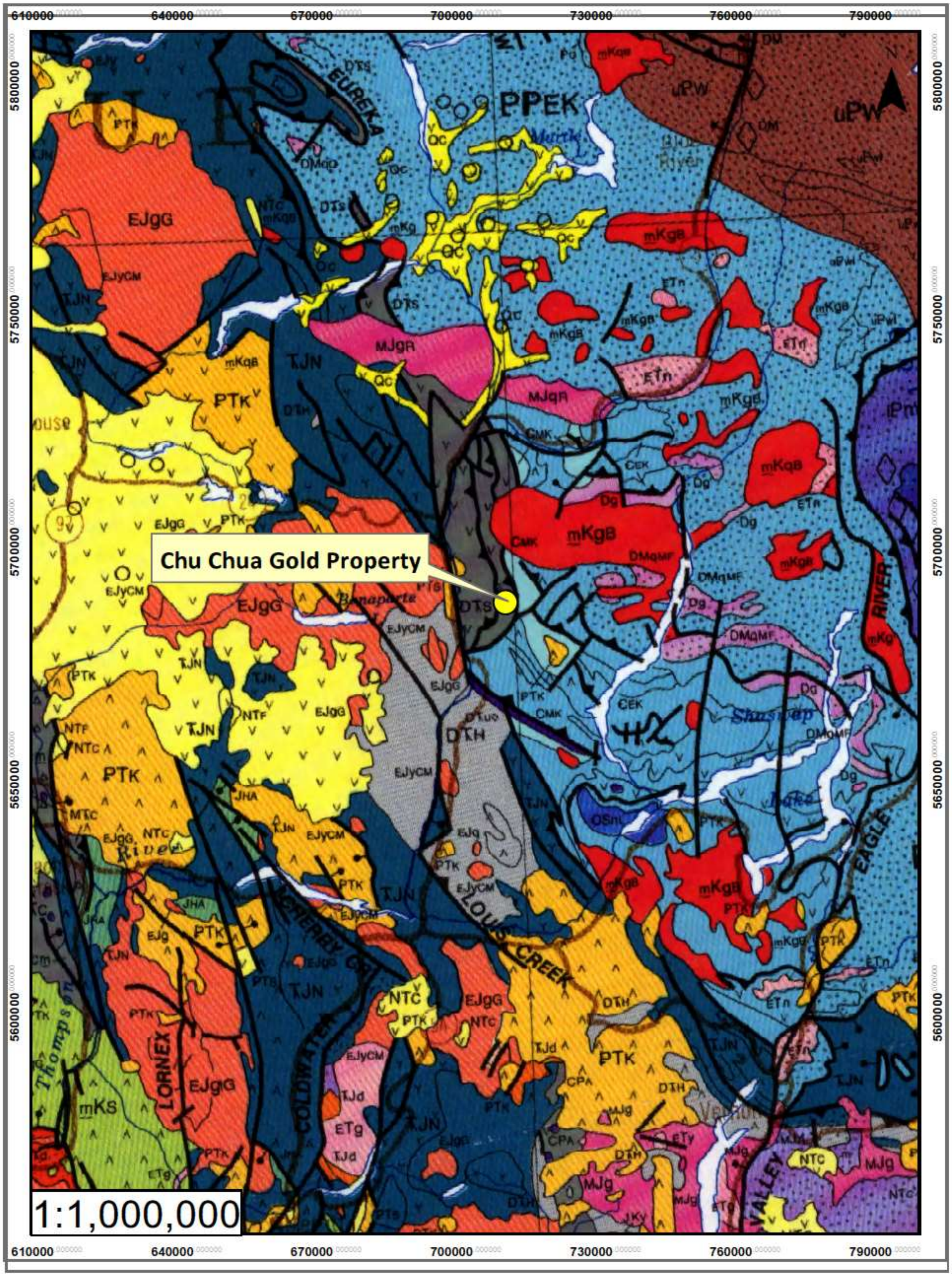
True thickness can be estimated despite the lack of oriented core. The regional strike is consistent and well documented at $0^o \pm 10^o$ and bedding dips 60^o+ westward based on local mapping (Figure 34). All drill holes were oriented 270^o azimuth at 50^o - 65^o inclination (Table 5) save BAR10 which was drilled at 90^o azimuth. Core-bedding intersections are typically steeper than 45^o and less than 80^o. A reasonable estimation of true thickness is: $T = t \cos\alpha$ where the angle α is the complement of the measured core-bedding angle A (90 – A). This calculation may better estimate the true thickness of rock units, but may have little or nothing to do with the thickness of Au-rich drill intersections.

Drill logs and assay sheets support the notion that Au mineralization is hosted in late cross-cutting veins and vein networks (stockworks) rich in pyrite and sericite. The orientation of bedding may have little or nothing to do with the orientation of vein networks formed during episodes of brittle fracture associated with late-stage extension. Further, there is insufficient data to determine the orientation of vein sets or where zones of intense veining with abundant pyrite infilling might occur.

7 Geological Setting and Mineralization

7.1 Regional Setting

The Property is underlain by mafic volcanic (and intrusive) rocks belonging to the Permian Fennell Formation and by carbonaceous argillite and siltstone along with rhyolite porphyry that are part of the mid-Paleozoic Eagle Bay assemblage (Schiarizza and Preto, 1987; Thompson et. al., 2006). Cretaceous granodiorite and quartz-monzonite of the Raft and Baldy batholiths intrude the whole.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EJyCM
uPW
ETn
Dg
DMqMF
CMK
CEK
Shuswap
Lake
RIVER
EAGLE
VALLEY
CREEK
LOUIS
LORNEX
COLDWATER
mKS
NTC
JHA
Bonaparte
River
Qc

*Figure 32. Location of the Property relative to the tectonic assemblages of the Canadian Cordillera (Wheeler and McFeeley, 1991).The Property occurs at the boundary between the **Eagle Bay Assemblage (blue, unit CEB)** and the **Fennell Formation (grey, unit DTs)**. These tectono-stratigraphic successions are intruded by **mid Cretaceous granodiorite and quartz monzonite (red, unit mKgB).** West of the Property is an important metallogenic boundary separating Triassic volcanic and Early Jurassic intrusions which host porphyry copper deposits, from the older Eagle Bay assemblage which is host to volcanogenic, replacement and stratabound-type poly-metallic deposits.*

7.2 Local Geology

The Property is underlain by the upper and lower divisions of the Fennell Formation (Figure 33; Schiarizza and Preto, 1987). The upper division is dominated by mafic pillowed basalt and greenstone (Figure 34) with mafic sills some argillite and rare chert; the lower division consists of carbonaceous greywacke and argillite (Figure 35), ribbon chert, intraformational conglomerate, and rhyolite-porphyry, -flows and -breccias. This succession was intruded by quartz monzonite belonging to the Cretaceous Baldy Batholith. The cherts are fossiliferous and from them a pattern of internal thrust imbrications is derived (Figure 33).

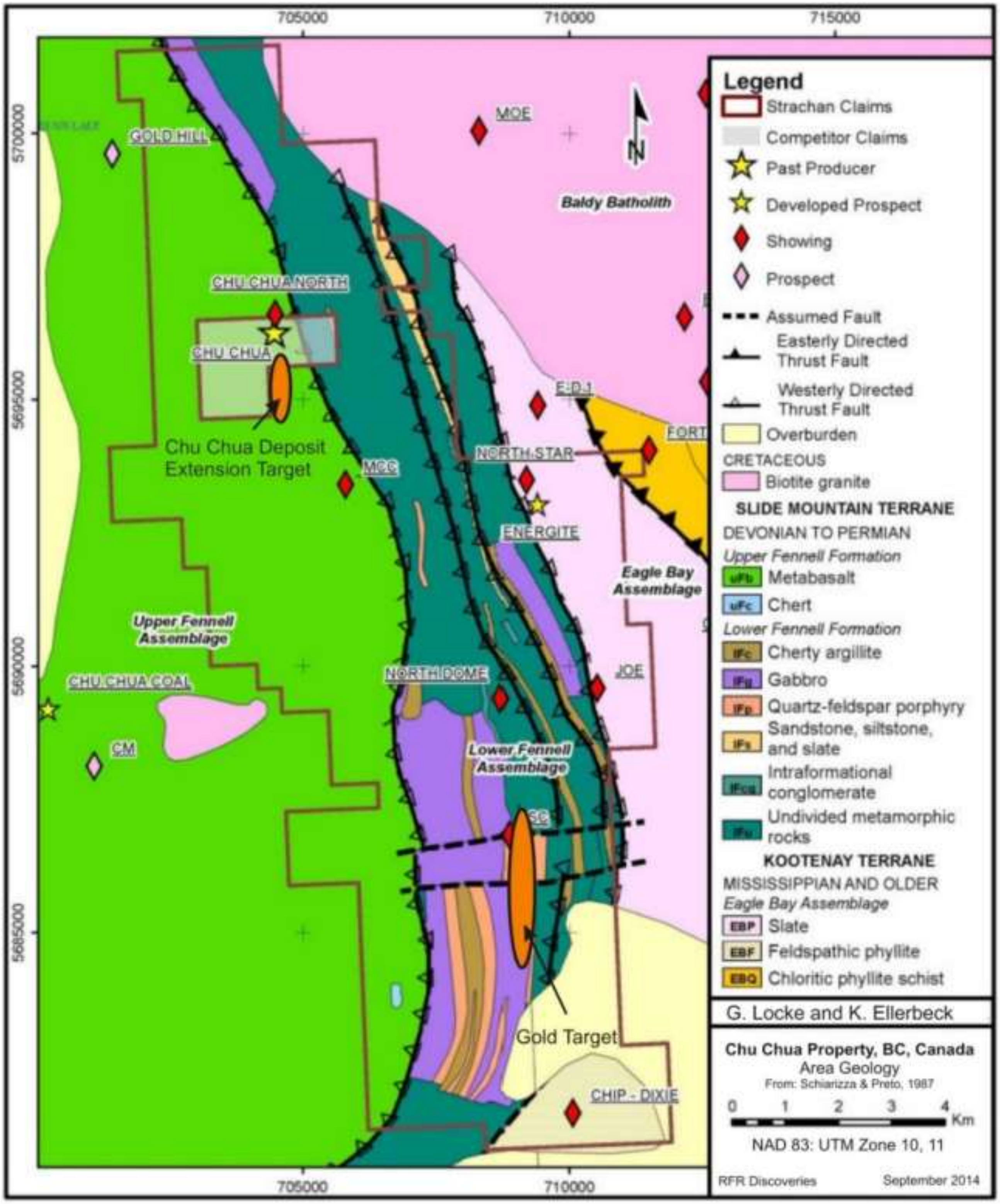

Figure 33. Map of local geology showing location of gold-bearing rhyolite porphyry target (SC Dpome) encompassing the Property (orange ellipse). The Property is hosted by altered quartz-feldspar porphyry (map unit lFp). The map is modified from Schiarizza and Preto (1987) and taken from Thompson and Cook (2014 AR34982). Outline in grey is the First Americas Gold claim boundary from 2013-14.

Figure 34. Pillow basalt belonging to the upper division of the Fennell Formation. These textures are rarely preserved, the succession is, for the most part, massive basaltic 'greenstone'.

Figure 35. Carbonaceous argillite with authigenic pyrite crystals (yellow cubes) belonging to the lower division of the Fennell Formation.

Dips are generally steep and to the west, but not always. Mesoscopic structural fabrics are not well developed; however, mesoscopic to cliff-scale chevron folds consistent with a folded multi-layer of metasedimentary rocks were observed (Figure 36). Generally cleavage is not well developed.

Figure 36. Chevron-style fold (straight limbs, tight hinges) observed on roadside outcrop within carbonaceous siltstone (greywacke) presumed to belong to the lower division of the Fennell Formation.

This west-facing homoclinal succession (Fig. 30) is interpreted as the western limb of a regional fold, imbricated by a series of west-dipping thrust faults. More work is required. For example, Devonian-age rhyolite porphyry was observed intruding presumed Permian gabbro belonging to the upper division of the Fennell Formation; either the age of the rhyolite is in question (unlikely given radiometric age determinations; Schiarizza and Preto, 1987; Thompson et. al., 2006), or there are geological (age) relationships within the Fennell Formation that are yet to be deciphered.

7.3 Property Geology

7.3.1 Introduction

The Property was geologically mapped by Falconbridge (Pirie, 1985a AR14243; Evans, 1986 AR15865). These analogue maps have not been recast into digital form (Figure 37); however, the quality of geological data appears high and the detail appropriate for property scale mapping; a digital version would provide a first important and useful step in updating the Property geology.

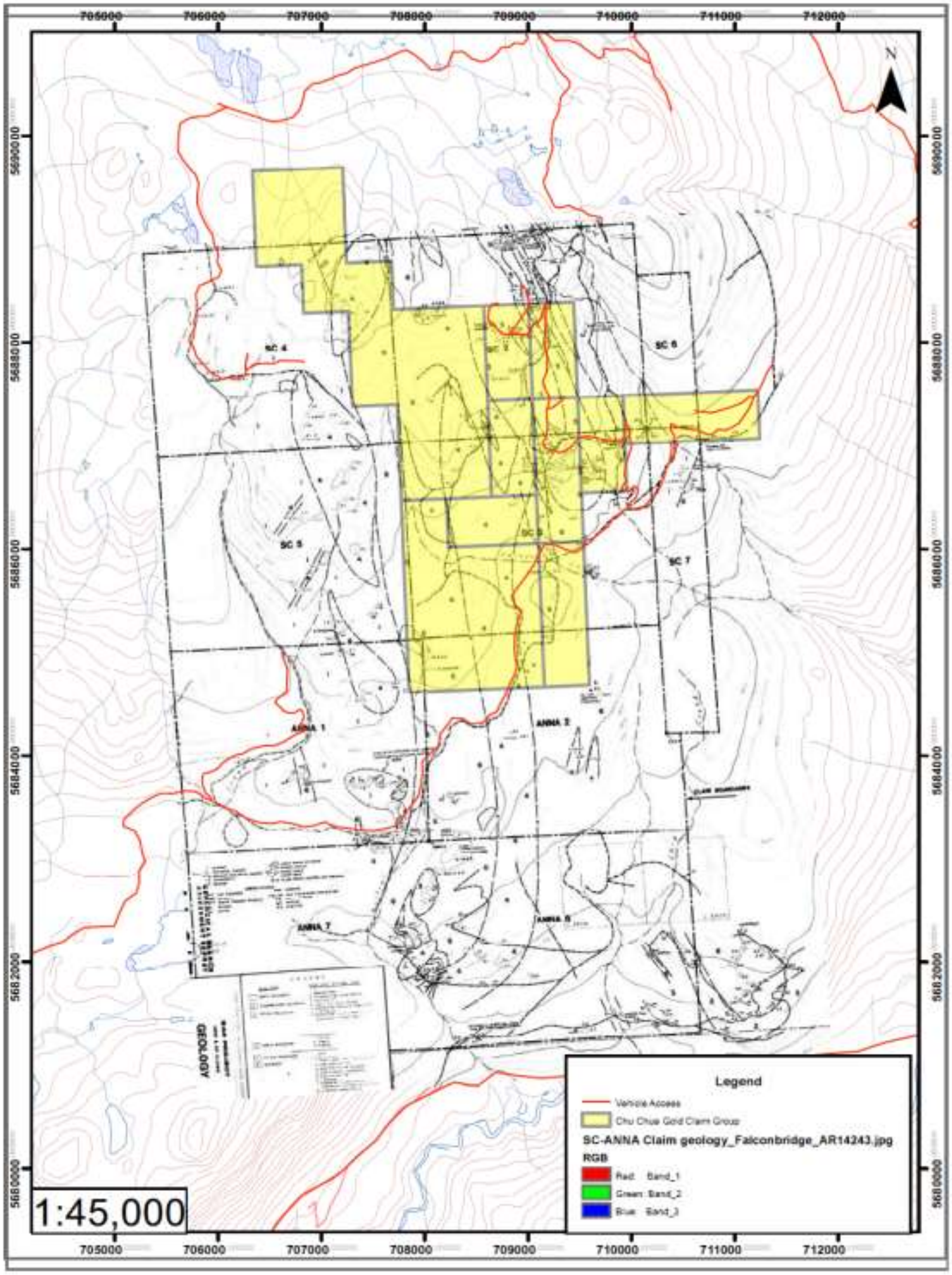

Figure 37. The Property underlain by analogue geological map (6.2.2; Figure 10)) georeferenced to UTM NAD 83 Zone 10 coordinates.

The author visited the Property on 2 occasions in 2013 to supervise rock- and soil-sampling programs and to examine the rock units having anomalous gold. The assessment of Falconbridge geologists—that felsic intrusive and extrusive rocks are of primary importance—was confirmed (Thompson, 2013; Thompson and Cook, 2014). Quartz-feldspar porphyry derived from rhyolitic extrusions and hypabyssal intrusions – called the SC Dome -- are concordant with argillite and siltstone exposed to the east—the rhyolite - cherty argillite transition is described by Pirie (1985a AR14243) and later Evans (1986 AR15856).

The porphyritic rhyolite intrusions and flows have a siliceous aphanitic matrix that varies from light grey to green to dark maroon and weathers to a chalky light grey, white or pale green. Phenocrysts of feldspar and quartz are ubiquitous and may form up to 30% of the rock (Figure 38). Outcrops form resistant, smooth, dense masses that resist breaking (an 8 lb sledge is recommended for sampling purposes; Figure 40).

Figure 38. Flow banded texture atop angular porphyritic clasts.

Figure 39. View of roadside outcrop along recent logging road in SC Dome area. Exposures are resistant, rounded and hard. Recent logging has created new bedrock exposures.

7.3.2 Silicification

Silicification—silica flooding—with or without albite (Na-feldspar) can be intense; preservation of primary textures is inversely proportional to intensity (Figure 40). Silica-matrix hydrothermal breccia, dark grey to black due to the admixture of iron oxide, occurs within zones of intense silicification (Figure 41).

Figure 40. Wholesale quartz-albite replacement (white) of rhyolite porphyry (grey) illustrating resorption of original igneous porphyritic texture.

Figure 41. Breccia composed of silicified clasts supported by a dark grey, iron-rich siliceous matrix.

7.3.3 "Phyllic" Alteration

In addition to silica flooding, sericite-quartz-pyrite alteration is widespread, post-dates wholesale silicification and appears associated temporally and spatially with later-stage fracture, vein and stockwork development (Figure 42). These late features are filled with white, grey and translucent quartz, sericite and pyrite in varying proportions. It is the opinion of this author that brittle fracture accompanied by the introduction of secondary silica, sericite and disseminated to massive pyrite, played an important role in the "gold-mineralizing process."

Figure 42. Centimetre scale, parallel (sheeted) late-stage quartz veins filled by translucent to pale grey quartz, sericite and pyrite. These veins are thought to host gold.

7.4 Mineralization

Visible gold has not been found but sampling has demonstrated that gold is associated with the in-fillings of late stage veins systems within the SC Dome. However, until drill core from the SC Dome is available, it is risky to assign a specific rock-type or -texture to gold deposition.

Gold assay values from surface samples provides the best approximation of the distribution and size of gold-bearing areas. These are described in Section 6.2.3 and as Figures 24 to 28. So far, the area of anomalous gold-bearing rocks measures 0.5 – 0.75 km across and 4.5 km along strike of the SC Dome; within that domain there are two, possibly three "hot spots" where gold appears to be more concentrated—this is supported by historical drilling (DDH BAR3). Assessing continuity beyond these very general assertions is problematic: There is insufficient detailed drilling, and the nature of gold deposits counters most efforts to generalize parameters such as type, character and distribution especially in the absence closely-spaced drill results.

8 Deposit Types

8.1 Introduction

Exploration for poly-metallic, volcanogenic massive-sulphide deposits has been a primary focus in the region driven by discovery of the Chu Chua Copper Deposit (discussed above). And, depending on the report cited, three different interpretative models have been proposed: Cyprus-type, Besshi and Kuroko—it appears that the Cyprus-type model is favored. These models are not discussed herein because they are not germane to a rhyolite dome (SC Dome) geological setting.

Property geology is dominated by felsic volcanic intrusions and is geologically distinct from the mafic volcanic rocks that host the copper deposit. Falconbridge geologists surmised that the SC (rhyolite) Dome on the Property was an ideal setting for massive-sulphide deposition and this author can only surmise that they were influenced by a "Noranda-style felsic dome deposit model" (e.g., Franklin, 1993).

8.2 Noranda-style Massive Sulphide Deposit Model

It appears, based on the gold values returned from altered porphyry cut by numerous late quartz veins and stockworks that gold deposition was a late-stage process associated with fracturing, brecciation, multiphase alteration (silicification, sericite-quartz-pyrite) and deposition of massive pyrite and pyrrhotite.

Interpretation of the quartz feldspar porphyry as part of a felsic volcanic dome (SC Dome) suggests a comparison with Noranda-type massive sulfide deposits (Figure 43; e.g. Franklin, 1993). Presence of high gold grades in association with massive pyrite (Bar-3 DDH) lends credence to the comparison; however, additional work is required before model associations are verified. Steep dips suggest the SC Dome was rotated as a consequence of folding and west to east thrust imbrication during Jurrassic and Cretaceous deformation.

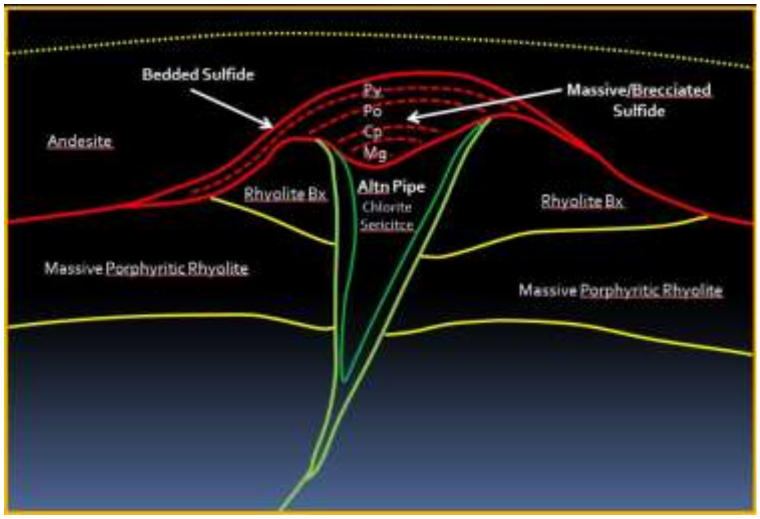

Figure 43. Idealized Noranda-type felsic massive sulphide deposit model (adapted from Franklin, 1993).

Disseminated sphalerite and high Ba values support the notion that the SC Dome, or one like it, might host a poly-metallic massive sulphide deposit; however, only massive pyrite and pyrrhotite have been observed to now. Since gold deposition appears to be a late-stage process, associated with vein and stockwork development and accompanied by phyllic alteration, one possibility is that late stage gold mineralization accompanied telescoping of the magmatic source as it cooled – not dissimilar from processes related to the emplacement of (low-to-medium sulfidation) epithermal gold deposits.

9 Exploration

The Chu Chua Gold Property is a “listing property,” hence the Issuer has not undertaken any exploration activities. None of the historical exploration activities and results described in Section 6 were conducted by, or on behalf of, the issuer.

10 Drilling

Drilling on the Property (discussed in sections 6.2.2 and 6.3) is considered historical. The core was discarded and core handling-, sampling-, assay-, and data verification-procedures could not be verified by the author. Hence, the information available in publically available assessment reports cannot be included in any resource estimate of the Property going forward.

11 Sample Preparation, Analyses and Security

11.1 Sampling Method and Approach

11.1.1 Methods, Location, Number, Type, Nature, Spacing, Density, Area Covered

In 2013, First Americas Gold Corp. (FAC) completed a 2-phase surface litho-geochemical sampling program designed to determine—within the constraints of available bedrock exposure—the surface distribution of anomalous gold concentrations within and proximal to the SC Dome. At each site, two fist-sized samples were taken using an 8-pound sledge: one sample for analysis and the second for lithological reference. The author managed the program and was present throughout the sampling process.

The distribution of samples was dictated by the availability of bedrock exposure, which is often dependent on the distribution of logging roads and skidder trails—an inherent bias. Phase 1 was reconnaissance in nature and numbered 96 samples. Having established areas with anomalous gold concentrations, Phase 2 exploited that knowledge and increased the sample density significantly, numbering 216 samples (Figure 22). Percentile comparison between each sampling phase demonstrates no statistically significant sample bias (Tables 2 and 3; Figure 44 for visual comparison within central area).

Two areas of primary interest emerged: 1) the "central" portion of the SC Dome where DDHs BAR 3-4 and 8-13 are located (Figures 22 and 44); and an area 1.4 km along strike to the north on logging roads where newly exposed bedrock of rhyolite flows, breccia and quartz-feldspar-porphyry were sampled (Figures 22 and 23).

The sample area was approximately 6 km long (north to south) and 0.5 to 0.75 km wide (Figure 22).

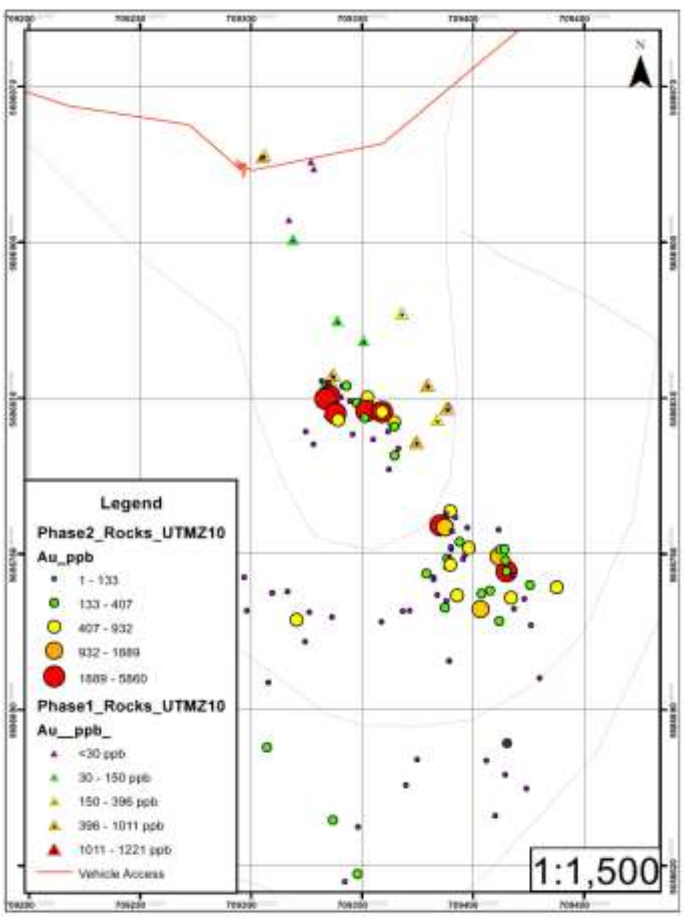

Figure 44. Distribution of surface rock samples on SC Dome (inset map 2, Figure 22) illustrating sample density, the overlap between Phase 1 and Phase 2 sampling, and the expanded area of gold-bearing rocks revealed as a result of follow-up Phase 2 sampling.

11.1.2 Drilling, Sampling or Recovery Factors that could Materially Impact the Accuracy and Reliability of Results

The author is not aware of and cannot verify factors related to the drilling process that could have had a material effect on the accuracy and reliability of results. According to drill logs, core recovery was good – a reasonable conclusion given the silica-rich, crystalline nature of the rocks.

11.1.3 Sample Quality and Possible Biases

Silica-rich, dense, crystalline rock should have produced excellent quality core samples for analytical purposes; however, the author could not verify sample quality. Without physical core to inspect and databases to review, sampling bias could not be assessed.

Surface samples were cleanly broken form bedrock exposures and secondary reference samples collected at each location (currently in the possession of the Optionors). The statistical agreement between Phase 1 and Phase 2 sample analyses from within overlapping areas suggests no sample bias (e.g. Figure 44).

11.1.4 Rock Types, Geological Controls, Widths of Mineralized Zones and Other Parameters used to Establish Sampling Intervals and Identification of Significantly Higher Grade Intervals within Lower Grade Intersections

The author's review of drill logs and surface lithological samples confirms that quartz filled veins cross-cutting rhyolite porphyry, flows and breccia are the most logical candidates to host gold. Veins with more than 20% pyrite are strong candidates for multi-gram grades. According to core logs and assay data sheets, core was systematically sampled using 1.5 m intervals—the author is not aware of the reasons for this choice.

11.2 Methods and Quality Control in the Field and to the Lab

Preparation and quality control methods for drill core samples taken prior to 2013 are not described in published reports.

Field protocols applied to bedrock sampling during the FAC two-phase program were the following: 1) Two fist-sized samples were collected at each site, one for analysis and the other for reference, each was placed in a separate polyurethane bag; 2) sample numbers, coordinates (GPS) and a brief lithological description were entered into a notebook; 3) an assay ticket was completed in duplicate, one copy inserted into the sample bag (sample intended for analysis) and the other maintained in the lab sample booklet, the sample field number was written onto the outside of the polyurethane sample bags and the bags secured with orange flagging tape; 4) flagging tape annotated with the appropriate sample number was secured at each field location; 5) at days end, sample data was uploaded into a spreadsheet and collated with previously obtained sample data (Appendix 3); 6) upon completion of the sampling program, samples were sent by courier to Bureau Veritas Canada Ltd. (formerly Acme Labs Ltd.) in Vancouver, B.C. together with sample shipment forms listing the sample numbers.

Soil samples were collected, documented and handled using similar protocols: 1) Sample spacing was 50 m and a total of 30 samples were taken along a total line length of 1,136 m; 2) at each sample station an area of ca. 0.3m x 0.3m was first cleared of debris and leaf litter, a sample of the Ah decomposed organic soil was then collected by hand using a small trowel, placed in a Kraft paper bag together with a completed assay ticket, and closed securely; 3) flagging tape annotated with the sample ID number was secured at the sample locality; 4) two (2) sample standards were included with the 30 field samples for QA-QC purposes, and one duplicate, bringing the total number of samples to 33; 4) the samples were couriered to Bureau Veritas Canada Inc. together with sample shipment forms listing the sample numbers.

11.2 Analytical Procedures

Bureau Veritas uses proper and secure handling procedures prior to, and during, preparation and analysis of samples. Sample analysis was the sole responsibility of the accredited laboratory.

A total of 311 rock samples were processed (Phase 1: 96; Phase 2: 215). Each sample was dried, crushed to a nominal <10 mesh (1.7mm), mechanically split (riffle) to obtain a representative sample (250g) and then pulverized in a hardened steel mill to at least 95% passing a 150-mesh (106 microns). Clean sand was milled between each sample. The samples were then fire-assayed for gold (Group 3B, 30-gram sample) and analyzed for 36 elements (procedure 1DX1) using ICP-ES after digestion in aqua regia.

A total of 33 Ah soil samples were oven-dried at 60^{o} C, sieved and screened to -80 mesh, and the latter analysed for 53-elements by ICP-MS and ICP-ES following a modified aqua regia digestion (Methods SS80 and AQ250-EXT).

11.4 Accreditation

Bureau Veritas Canada Ltd. is accredited under ISO 9002; it is a participant in the CAEAL Proficiency Testing Program; and is registered by the BC Ministry of Water, Land and Air Protection under the Environmental Data Quality Assurance (EDQA) Regulation. Bureau Veritas also participates regularly in the CANMET and Geostats round robin proficiency tests.

11.5 "Arms-Length" Association

No employee, officer, director or associate of the Company (the issuer) was involved with any aspect of field work including the taking and handling of samples.

11.6 Author's Statement

It is the author's opinion that sample preparation, security and analytical procedures met industry standards for the FAC 2013 litho- and soil-sampling programs. A lack of records has prevented assessment and verification of procedures dating to exploration in the 1970's, 80's and 90's.

12 Data Verification

12.1 2013 Data

Laboratory analytical certificates from Bureau Veritas (Appendix 4) were vetted by the author for unreasonable values caused by typographical errors, mistaken units, or corrupted data entries. Results were also checked against internal Bureau Veritas standards for both accuracy and precision. The author did not identify any quality control (QC) or quality assurance (QA) issues. Commercial standards were not used and duplicate samples were not sent to other laboratories—it was considered unnecessary given the nature, stage and intent of the surface sampling program.

The comparison of percentile values between Phase 1 and Phase 2 samples (Tables 2 and 3) supports the conclusion sampling bias and analytical accuracy were not an issue.

In the author's opinion, this data is adequate for the purposes of the Technical Report.

12.2 Pre 2013 Data

The author could not verify quality control procedures relating to data pre-dating 2013 because there are no accounts provided in published reports containing assay sheets and core is not available for check analyses. BAR DDH core was stored in safe keeping in the town of Barriere at 705 West Barriere Town Rd., and presumably logged and sampled (split) there; however, the core was subsequently discarded.

Min-En Labs (not listed as an active business or "going concern"), North Vancouver, British Columbia was responsible for analytical procedures and internal QC and QA. The author could not verify that procedures were in compliance with present-day QC and QA industry standards.

In the author's opinion, there are sufficient discrepancies between values listed as "ppb" and values listed as "g/t"—the latter sometimes significantly higher (e.g., Figures 43 and 45)—to support resampling and analysis of selected BAR DDH core. Since core was discarded, the only means of verification is to twin a DDH for comparison purposes and to apply rigorous QC and QA protocols.

Analytical results from the surface sampling program (11.1.1) revealed gold concentration values in the same range as those reported from BAR drill holes. This this an empirical observation that cannot be interpreted as verification of methods, procedures and results published for pre 2013 drill data.

Despite the lack of published QC and QA information, it is the author's opinion that the information provided is adequate for the purposes of this Technical Report: There is internal consistency between the geological setting, surface geological mapping, vein characteristics, alteration mineral assemblages, and gold distribution and concentrations at surface; and, the rock types, vein characteristics, alteration mineral assemblages, and gold concentrations reported in drill logs and on drill log data sheets.

13 Mineral Processing and Metallurgical Testing

n/a

14 Mineral Resource Estimates

n/a

15 Mineral Reserve Estimates

n/a

16 Mining Methods

n/a

17 Recovery Methods

n/a

18 Project Infrastructure

n/a

19 Market Studies and Contracts

n/a

20 Environmental Studies, Permitting and Social or Community Impact

n/a

21 Capital and Operating Costs

n/a

22 Economic Analysis

n/a

23 Adjacent Properties

23.1 Windpass and Sweethome Deposits

Windpass and Sweethome Properties (Figure 45) are 16 km north northwest of the Property and are held 100% by Turnagain Resources Inc., a private company owned by Mr. J. N. Bakus.

Historic production from Windpass Mine between 1934 and 1939 totalled 93,435 tonnes yielding 1,072 kilograms (34,455 ounces) of gold, 53 kilograms (1,719 ounces) of silver and 78,906 kilograms (173,958 pounds) of copper (B.C. Minfile 092P 039).

Mineralization occurs within quartz veins that cut gabbro, diorite and chert belonging to the Lower Fennel assemblage. Workings at Windpass include: 457 m of drift and cross-cut development within the main (200 level) adit; two inclined shafts, the Pioneer and Telluride, from surface to adit level; an internal shaft (Davis Winze) extending down to the 900 level; and, drifts on each level.

The Sweethome vein was developed from a 36 m inclined shaft (30 degrees) connecting to the 106 m crosscut adit, and a 137 m drift along the footwall of the vein.

In 1987, Kerr Addison Mines Ltd. carried out geological mapping, magnetometer surveys and trenching, and 11 DDHs totalling 2,010 m. Highlights include a 1 m interval of 16.3 g/t Au (Kikauka, 2004 AR29373).

Molycor Gold Corp. (now Nevada Clean Magnesium Inc.) completed the most recent (published) exploration during 2003 and 2004. Rock chip sampling of trenches on the Windpass vein retuned assays of 21.78 g/t Au over 0.25 m (Pioneer South Trench) and 1.45 g/t Au over 2.0 m (Telluride Shaft Area). Rock chip sampling of quartz veins and quartz-carbonate breccia at the Weather Station Zone, 300 m north of Windpass, returned assays of 36.94 g/t Au over 4.0 m (Kikauka, 2004 AR29373). Two DDHs totalling 152 m intersected copper- and gold-bearing quartz-sulphide-magnetite veins that assayed 2.25 g/t Au over 0.3 m (Kikauka, 2005 AR27615).

Windpass and Sweethome veins intersect rock units very different from the Property and are off-strike (to the west) of Property geology. In the author's opinion, one is not considered an extension of the other, and Windpass-type results should not be expected at the Property.

23.2 Rea and Somatosum Deposits

In 1983, the Rea volcanogenic sulphide deposit was discovered 21 km east of the Property (Figure 45. Subsequent exploration led Falconbridge (Minnova, now Inmet Mining Inc., "Inmet") to discover the Samatosum massive-sulphide deposit 500 m to the northeast in 1986.

The Rea deposit comprises two northwest trending massive-sulphide lenses, RG8 and L100, containing fine- to medium-grained, banded to brecciated massive-sulphide consisting of pyrite, sphalerite, galena, arsenopyrite, chalcopyrite and tetrahedrite. The RG8 lens is 75 m long (surface strike) and extends 80 m down dip; the L100 lens is 50 m long and extends 80 m down dip (Bailey, et. al., 2000).

The Samatosum deposit strikes 500 m northwest, has a shallow northeast dip to 100-150 m depth, and consists of a 5 m thick tabular orebody (B.C. Minfile 082M 244).

The Rea and Somatosum deposits are hosted by the Devono-Mississippian Eagle Bay Assemblage (unit EBF of Schiarizza and Preto, 1987) within a transition from metavolcanic rocks to phyllite and quartz-sericite schist. The Rea and Samatosum Horizons, consisting of sericite-quartz-carbonate-pyrite-altered metasedimentary rocks, host the deposits. A structural interpretation suggests the deposits occupy the overturned, west-dipping limb of a southwest-verging anticline. Recent mapping by Bailey and others (2000) suggests the deposits occur within a sequence of rocks repeated by contraction (thrust) faulting.

The Samatosum deposit was mined by Inmet between 1989 and 1992 and produced 14 million ounces silver, 21 thousand ounces gold, 8 million pounds copper, 11 million pounds lead and 21 million pounds zinc from 612,000 tons (555,000 metric tonnes) of ore milled (B.C. Minfile 082M 244).

The Rea deposit was never put into production

These resources demonstrate the mineral-prone nature of the Eagle Bay Assemblage, but have no direct relationship to gold mineralization on the Property.

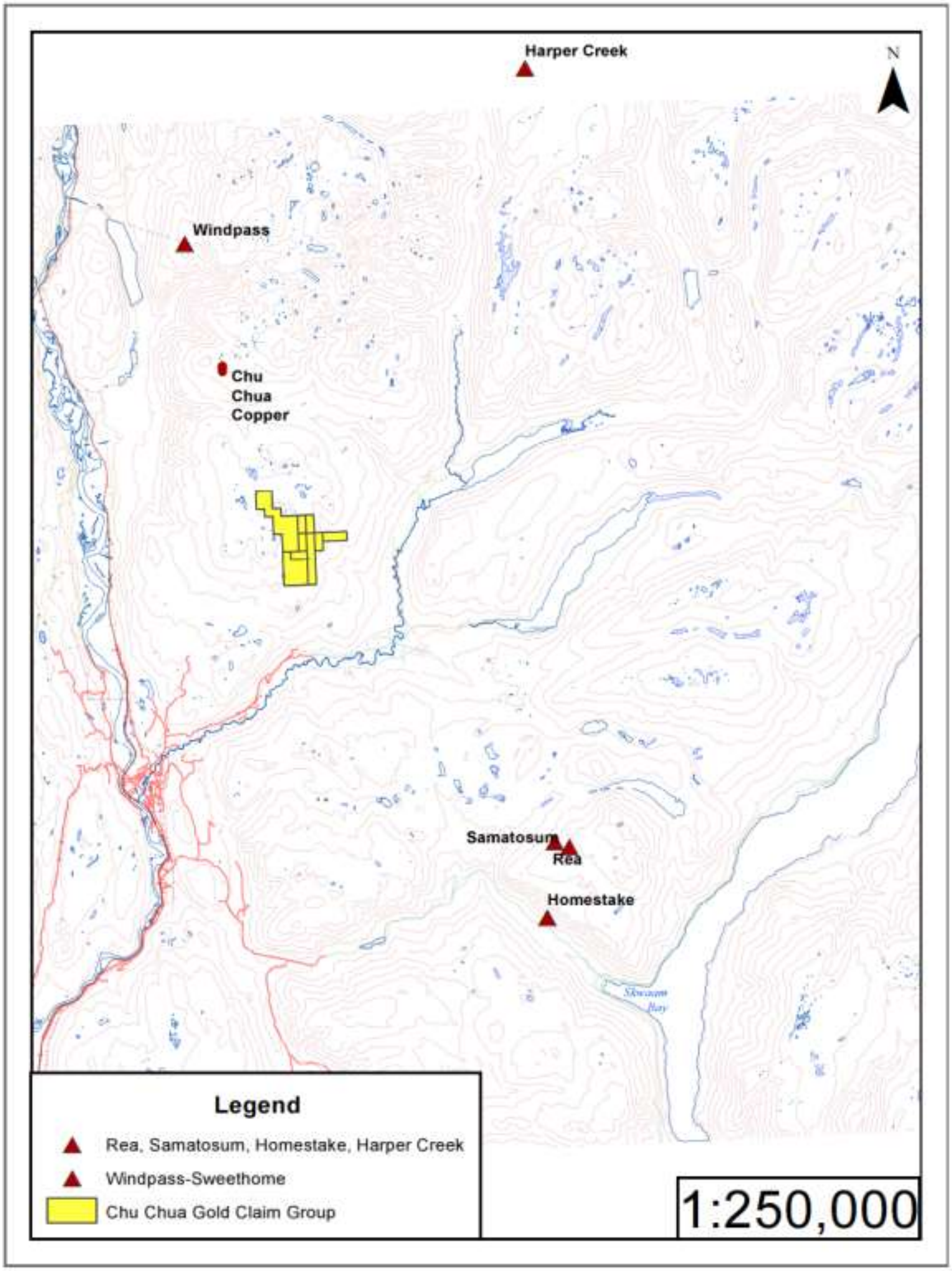

Figure 45. Location map of past producing properties like Samatosum, Windpass-Sweethome and Homestake, properties with historic resources like Rea, and properties with NI43-101 compliant resources and (or) reserves such as Chu Chua Copper and Harper Creek.

23 Harper Creek Deposit

Harper Creek is a polymetallic volcanogenic sulphide deposit located 27 km northeast of the Property (Figure 45). It occurs within a succession of volcanogenic, felsic to intermediate, sericite-chlorite-quartz-feldspar phyllite and silicified sandstone and siltstone belonging to the Devono-Mississippian Eagle Bay Assemblage (unit EBA of Schiarizza and Preto, 1987). Pyrite-pyrrhotite-chalcopyrite mineralization occurs as disseminations, as lenses conformable with foliation and (or) bedding, and as fracture fillings; magnetite is an accessory.

Noranda found the deposit in 1966 and, with its joint venture partners, explored it until 1996

Yellowhead Mining Inc. ("Yellowhead") acquired the Harper Creek Property in 2005 and upon completing due diligence re-logging and confirmatory drilling, published the first NI43-101 compliant resource (Rennie and Scott, 2010). In 2011 Yellowhead published the results of a preliminary economic assessment (PEA) together with an updated resource estimate assuming a 0.2% Cu cut-off grade. The measured plus indicated resource was 532.1 Mt grading 0.31% Cu, 0.032 g/t Au and 1.08 g/t Ag (Narcisco et al., 2011). Continued drilling led to an updated resource estimate in concert with a completed feasibility study (FS) published in 2012. The current resource estimate (effective December 20, 2011) for the Harper Creek deposit, at a 0.2% Cu cut-off, comprises: 1) measured resources of 348.5 Mt grading 0.31% Cu, 0.034 g/t Au, 1.3 g/t Ag; 2) indicated resources of 466.5 Mt at 0.28% Cu, 0.03 g/t Au, 1.3 g/t Ag; and 3) a total measured and indicated resource of 815 Mt grading 0.29% Cu, 0.032 g/t Au and 1.3 g/t Ag.

The FS included a mineable reserve estimate for the Harper Creek Deposit based upon assumed economic parameters, geotechnical design criteria and anticipated metallurgical recovery. Published mineable reserves are: 1) proven reserves of 401.2 Mt grading 0.27% Cu, 0.031 g/t Au and 1.15 g/t Ag; 2) probable reserves of 303.3 Mt grading 0.25% Cu, 0.027 g/t Au and 1.13 g/t Ag; and 3) total proven and probable reserves of 704.4 Mt grading 0.26% Cu, 0.029 g/t Au and 1.14 g/t Ag (Collins et. al., 2012). The author has not verified any of the above resource or reserve estimates.

In the author's opinion one should not expect to discover Harper Creek style or metal assemblages at the Property.

23 Chu Chua Deposit

The Chu Chua volcanogenic massive sulphide deposit (Figure 45) comprises two, steep west-dipping en echelon sulphide lenses. The deposit is owned by Newport Exploration Ltd. ("Newport") who announced a NI 43-101 compliant resource estimate comprising an inferred mineral resource of 2,500,000 tonnes averaging 2.0% copper, 0.3% zinc, 9.4 g/t silver and 0.5 g/t gold at a copper block cut-off grade of 1.0%. The deposit as currently modelled is relatively shallow with approximately 75% of the inferred resource occurring within a 100 metre depth from surface (Dufresne et al., 2014).

Mineralization has been modeled over a 480 m strike length and to a depth of 180 m from surface. Historic drilling has intersected mineralization to a depth of 560 m vertically; however relatively few drill holes have targeted mineralization below 200 m. The results of historic drilling indicate that the deposit thins at depth; however, the massive sulphide lenses remain open at depth and along strike (Dufresne et al., 2014).

Cyprus-type is the preferred genetic model.

The Chu Chua massive sulphide deposit occurs within the same belt of geology as the Property; however, it is hosted by mafic volcanic rocks like those comprising the western belt of geology mapped on the Property (6.2.2). The gold target on the Property occurs within a felsic (quartz-rich) volcanic and sub-volcanic succession to the east. In the author's opinion, based on available published accounts of the geology and the extensive litho-geochemical sampling program undertaken by First America Gold, a Chu Chua type Cu-rich massive sulphide deposit is unlikely.

24 Other Relevant Data and Information

The author is not aware of any other relevant information with respect to the Chu Chua Gold Property.

25 Interpretation and Conclusions

25.1 Regional Context

Mapped relations amongst mid- and upper-Paleozoic lithostratigraphic successions suggest that that part of the continental margin which underlays the Property underwent protracted, heterogeneous, and episodic crustal attenuation throughout the late Paleozoic and early Mesozoic, accommodated by crustal scale fracturing, subsidence, melting and magmatism that began with the intrusion and extrusion of felsic porphyritic rocks and was followed by the intrusion and extrusion of mafic rocks (Figure 46). The attenuation of crust was asymmetric and increased northward, such that a proto oceanic basin (Slide Mountain) began to open (splay) northward at about the current location of the Property. The mafic volcanic rocks and cherty argillite of the Fennell Formation, which are now in thrust contact with older siliciclastic strata on the east (Eagle Bay Assemblage), are interpreted as proto oceanic basin rocks that were subsequently transported eastward during Jurassic and Cretaceous orogeny (mountain building; Thompson, et. al., 2006).

The geological context presented above helps explain the episodic emplacement of poly-metallic mineral deposits like those in the region surrounding the Property. Basin formation associated with crustal extension and subsidence is associated with basin margin faults which act as fluid conduits; disruption of heat-flow patterns associated with crustal stretching and melting creates the physical potential for fluid migration (convection cells); and focused fluid flow up fault systems that intersect the sea bed creates the chemical potential for metals to precipitate at or close to the brine-seawater interface. Hence, the geology that embraces the many metal occurrences and deposits that occur in those rocks today, evolved in a tectonic setting ideally suited for the purpose. The SC Dome is a felsic intrusion-extrusion complex that formed during the initial phases of crustal attenuation; the Chu Chua Copper Deposit would have formed somewhat later, once continental margin crust had been sufficiently thinned to create a proto-oceanic basin. The fact that mineralization seems to span a significant period of time is testament to the protracted process of crustal attenuation at play.

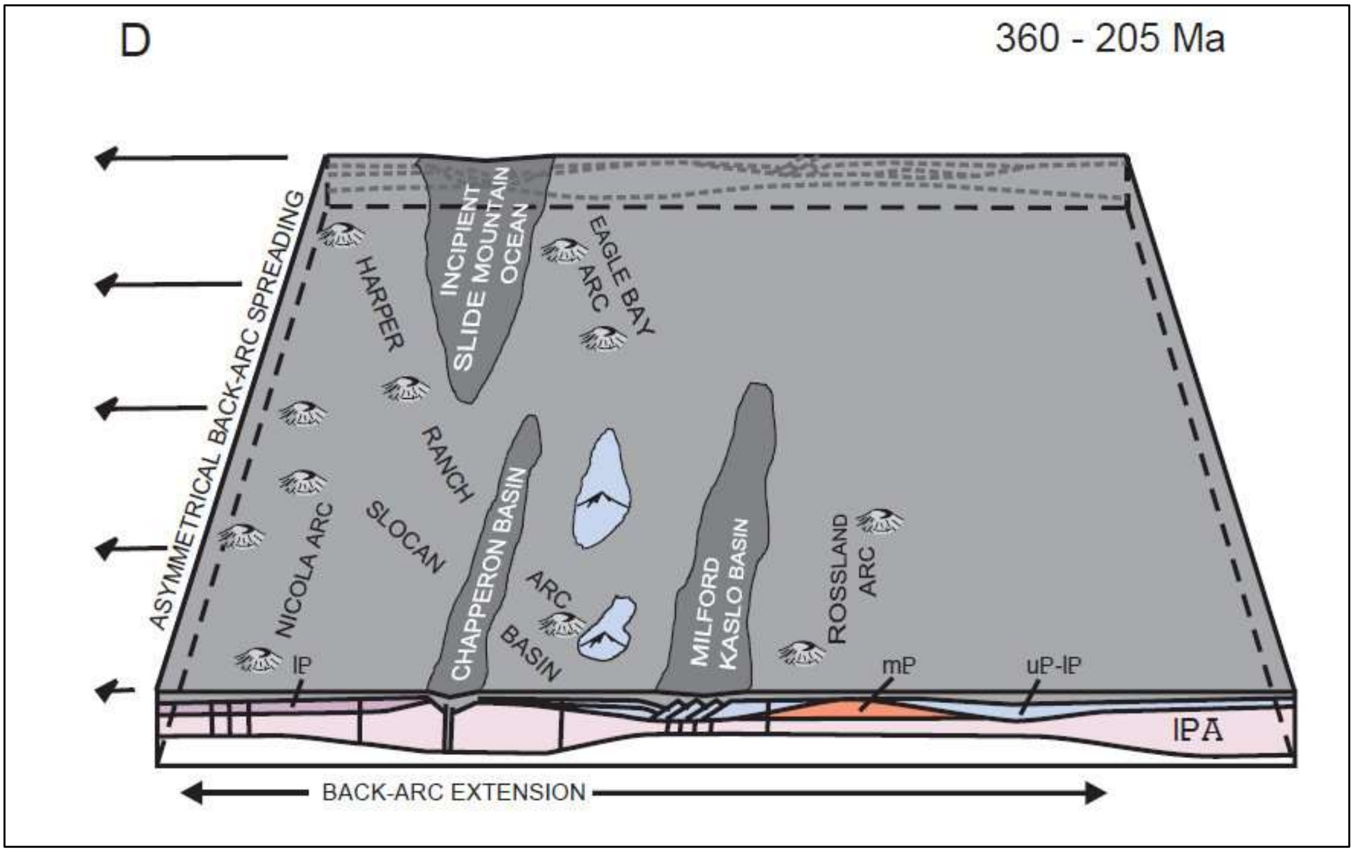

Figure 46. (D) Protracted and episodic back-arc extension associated with asymmetric roll-back (?) of the subducting Pacific plate. Mississippian (Eagle Bay, Milford), Permian (Chapperon, Harper Ranch), and Upper Triassic (Nicola) successions were superposed across a region at least 300 km wide. Relative location of the Property would have been the southeastern margin of the "Incipient Slide Mountain Ocean" (from Thompson et. al., 2006, p. 467, 10x vertical exaggeration).

25.2 Summary of results and Interpretations of Field Data

The Property is interpreted as a felsic dome, called the SC Dome, occupying the transition between siliciclastic, often carbonaceous, argillite and siltstone and their metamorphic equivalents (e.g., sericite schist) belonging to the Eagle Bay Assemblage, and mafic volcanic flows and intrusions on the west called the Lower Fennell Formation. The relationship is, and has been, interpreted as a lateral change in facies whereby crustal extension, parallel to the north-trending basin margin, led to the inter-fingering of sediment transported from the east with volcanic rocks extruded on the west. Falconbridge (and then Minnova) geologists considered this an ideal setting for the formation of poly-metallic massive-sulphide deposits and conducted exploration accordingly. Detailed geological mapping combined with ground-based electromagnetic surveys supported drill testing: BAR1-4 in 1985 and BAR8-13 in 1987. Results were encouraging and additional exploration was recommended. A review of core logs and assay sheets suggests three conclusions: 1) anomalous to multi-gram gold is likely to be associated with pyrite, from a few percent to as much as 80%; 2) gold mineralization is likely contained in veins and vein networks; and 3) electromagnetic conductors are best explained, for now, by carbonaceous (graphitic) argillite layers within the felsic dome stratigraphic complex.

A regional airborne electromagnetic survey (AEROTEMIII), which overlapped the northern portion of the Property, revealed five isolated magnetic anomalies (M1 to M5) and two isolated EM anomalies (EM1 and EM2)—all but the M1 anomaly are on the Property. When anomaly maps are overlaid, there is spatial correspondence between magnetic and electromagnetic anomalies. Exploration conducted by Shenul during 2010 and 2011 included ground magnetic and VLF-EM geophysical surveys; collection of 928 soil and 35 litho-geochemical samples over three separate targets (EM1, EM2 and North Dome grids); and, diamond drilling of three holes totalling 521.5 m within the EM1 grid. VLF-EM surveys define a moderate strength conductive axis coincident with the peak conductivity of the EM1 airborne anomaly. Drill results indicate that the region peripheral to the EM1 anomaly is underlain by chert, cherty argillite, slate and phyllite, flanked to the east and west by variably magnetic diabase and gabbro belonging to the Lower Fennell Formation. Soil geochemical surveys define numerous spot copper and gold anomalies, two multi-sample and multi-line copper and coincident gold anomalies within the EM1 grid, and significant widely distributed gold anomalies throughout the North Dome and east half of the EM2 grid. Between the North Dome and EM2 targets, six rock samples of quartz-feldspar-porphyry and gossanous argillite returned assays ranging between 0.25 g/t Au, and up to 3.67 g/t Au. The results of geologic mapping, soil and rock sampling indicate gold anomalies within the North Dome and EM2 grids are associated with felsic volcanic rocks of the Lower Fennell assemblage—like those farther south at the SC Dome. The 2010 diamond drilling does not adequately test the EM1 conductive anomaly; hence, it remains a high-priority target. Similarly, drill hole CCS10-01 was not ideally positioned to test the northwest trending copper and gold soil anomaly identified by 2010 sampling.

Quality control and quality assurance measures undertaken by Shenul were adequate and the author considers the results reliable.

A two-phase surface litho-geochemical sampling program undertaken by First Americas Gold Corp. in 2013, sought to better define the nature and extent of anomalous gold at surface on the Property. Phase 1 and Phase 2 results were mutually supportive and highlighted three areas of gold concentration contained within a region about 4.5 km long and 0.5 to 0.75 km wide. The SC Dome area is well defined, as is a “new” area of anomalous gold located about 2.3 km north of it and on strike with gold anomalies uncovered by Shenul exploration efforts. The accumulation of field data supports the notion that the gold-bearing felsic rocks belonging to the SC Dome are part of a robust, gold-bearing felsic complex striking the length of the property and onto the survey grids explored by Shenul.

Quality control and quality assurance measures undertaken by First Americas Gold Corp. were adequate and the author considers the results reliable.

25.3 Adequacy of Data Density and Data Reliability, and Areas of Uncertainty

Given the seemingly capricious nature of gold mineralization—“gold is where you find it”—there can never be too much data. The number of DDHs on the Property—10—and the extent and density of soil, rock geochemical samples—a few hundred—when compared with the size of the target, and the difficulty in establishing and quantifying the critical geological processes and features that control gold mineralization, the author concludes that a significant increase in the extent and density of data points and the measurements associated with them is warranted—whether they be geological mapping, soil, rock, geophysical and or drilling.

Historical assays of BAR DDH core suggests that methods used to generate "ppb" Au values on "assay sheets" may have underestimated Au concentrations if "g/t" values provided on "geochemical sheets" are to be believed—the latter may be significantly higher. Assay methods are not discussed in published reports and the author assumes that fire-assay techniques were used for those samples whose Au concentrations in "ppb" were about 1000 or higher. Samples reporting Au concentrations in the 500 ppb range may have been similarly "undervalued".

25.4 Conclusions of the Qualified Person

The Chu Chua Gold Property has merit for the following reasons: 1) it occurs within a mineral-prone belt, 2) the particulars of its geological setting—a felsic dome transitional into a basin margin siliciclastic sequence—is associated with poly-metallic volcanogenic massive-sulphide deposition, 3) historical drill intersections of multi-gram gold demonstrate grade potential, 4) a broad surface distribution of gold-bearing rocks demonstrates the potential for significant tonnage, 5) logistics are excellent including road access and proximity to infrastructure including electrical transmission lines, 6) the climate is favorable, and 7) the local community is "mining friendly."

26 Recommendations

A 2-phase exploration program is proposed. Phase 1 is designed to accomplish the following objectives: 1) capitalize on available historical data through application of digital spatial analysis, 2) characterize the BAR3 DDH location using geochemical and geophysical techniques applied at very close measurement spacing, 3) twin the BAR3 DDH to a depth of approximately 75 m to verify historical results and to obtain clarification regarding controls on gold mineralization, and 4) step-out from the BAR3 DDH, guided by 2) above, and drill 3 additional holes to a depth of approximately 75 m each to begin defining the spatial dimensions of mineralization. Phase 1 will provide much needed clarification on how to approach subsequent exploration.

The second phase would see an expanded application of surface exploration techniques – geophysics, soil and rock geochemistry – to help identify specific drill targets both in the vicinity of phase 1 drilling (Figure 44), and farther afield in areas showing gold mineralization at surface (Figure22). Parameters indicative of a viable drill target would include, but not necessarily be restricted to: Gold at surface in spatial association with quartz-filled veins; a strong gold-in-soil anomaly; a well-defined near surface EM conductor; coincident soil anomaly and EM conductor; surface exposures of significant pyrite in combination with sericite alteration, or any combination of the above.

The proposed spacing for soil samples and VLF-EM measurements is 25 m—close by exploration standards. This reflects the difficulty in predicting the geometry and spatial distribution of vein systems, and the added difficulty in predicting the distribution of gold within veins. Close spacing of data points is essential as are tightly spaced drill grids. The proposed VLF-EM would be processed using inversion techniques and the close spacing of lines would permit quasi-3D modeling. Soil samples would be taken from the Ah horizon (humus) instead of the B horizon because Ah soil has not moved relative to the trees it is derived from and is more likely to reflect the metal signature of bedrock directly beneath the sample.

Table 5. Proposed budget, exploration going forward on Chu Chua Gold Property. Abbreviations: Spc – sample spacing; LL – line length; S/L – samples per line; L-S – line spacing; #L – number of lines; ΣS – total number of samples; S/d – samples taken per day; ΣD – total days; AS/S – analytical costs per sample; P-d – person days; $/P f-a/d – cost per day per person for food and accommodation; $/km – charge per km driven; ΣKm/d – Average km driven per day; Σ$/m all in – total cost per m of core drilled; Σm – total m drilled.

Phase 1																	
Activity	Spc_m	LL_m	S/L	L-S_m	#L	ΣS	S/d	$/d	ΣD	A$/S	P-d	$/P f-a/d	$/km	ΣKm/d/v	Σ$/m all in	Σm	Σ Cost
Digital compilation and interpretation of historical geological maps, soil and rock geochemistry								$ 1,000.00	7								$ 7,000.00
Digital compilation and interpretation of BAR DDH logs and representation in 3-D space						26250		$ 1,000.00	8								$ 8,000.00
Field check for BAR DDH casing locations								$ 1,000.00	2								$ 2,000.00
VLF-EM: Detailed survey proximal to BAR3 DDH location	12.5	200	8	25	8	64	32	$ 700.00	3								$ 2,100.00
VLF-EM data reduction and interpretation on the fly								$ 1,000.00	2								$ 2,000.00
Soil Geochemistry: Detailed survey over BAR3 DDH location	12.5	200	8	25	8	64	32		3	$ 25.00							$ 1,600.00
Twin BAR3 DDH: 75m core length															$ 350.00	75	$ 26,250.00

Table 5 cont'd

Phase 1																	
Activity	Spc _m	LL_ m	S/L	L-S _m	#L	ΣS	S/ d	$/d	ΣD	A$/S	P-d	$/P f-a/d	$/km	ΣKm /d/v	Σ$/m all in	Σm	Σ Cost
Step-out drilling: 3 holes															$ 350.00	225	$ 78,750.00
Data analysis: Assessment Report Preparation								$ 1,000.00	10								$ 10,000.00
Travel to and from field																	$ 2,000.00
Vehicle: up to 4									60				$ 1.00	150			$ 9,000.00
Supplies: Sample bags, markers, flagging...																	$ 500.00
Food and Accommodation in field											80	$ 100.00					$ 8,000.00
Personnel:																	
2 person VLF crew								$ 700.00	5								$ 3,500.00
2person soil sampling crew								$ 700.00	5								$ 3,500.00
Geologist (partly incl in drilling cost)								$ 1,000.00	3								$ 3,000.00
Geological Ass't (partly incl in drilling cost)								$ 600.00	3								$ 1,800.00
Field Ass't (partly incl in drilling cost)								$ 450.00	3								$ 1,350.00
																	$ 170,350.00

Table 5 cont'd

Phse 2																	
Activity	Spc _m	LL_ m	S/L	L-S _m	#L	ΣS	S/ d	$/d	ΣD	A$/S	P-d	$/P f-a/d	$/km	ΣKm /d/v	Σ$/m all in	Σm	Σ Cost
VLF-EM	25.0	500	40	25	40	1600	35										
Soil samples	25.0	500	40	25	40	1600	35			$ 25.00							$ 40,000.00
Prospecting						100				$ 40.00							$ 4,000.00
2 person VLF crew								$ 700.00	50								$ 35,000.00
2person soil sampling crew								$ 500.00	50								$ 25,000.00
2 person prospecting crew								$ 800.00	5								$ 4,000.00
Processing of VLF data, report preparation								$ 1,000.00	8								$ 8,000.00
2 Person Geological crew: mapping, supervision								$ 1,200.00	20								$ 24,000.00
Food and Accommodation in field											260	$ 100.00					$ 26,000.00
Travel to and from field																	$ 2,000.00
Vehicle (2)									120				$ 1.00	250			$ 30,000.00
Supplies: Sample bags, markers, flagging...																	$ 2,500.00
Data analysis, report preparation								$ 800.00	10								$ 8,000.00
Drill selected targets derived from analysis Field data															$ 350.00	2000	$ 700,000.00
																	$ 908,500.00

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Certificate of Author

a. Robert I. Thompson, residing in North Saanich, British Columbia, Canada, do hereby certify that: I am President of RIT Minerals (RITM) Corp., 10915 Deep Cove Rd., North Saanich, British Columbia, Canada; I have practiced geology continuously since 1972.

b. This certificate applies to the Technical Report titled "Technical Report on the Chu Chua Gold Property, British Columbia, Canada", with an effective date of February 15, 2019.

c. I am a graduate of Queen's University, Kingston Ontario having received BSc (Hon) and PhD degrees in geology in 1968 and 1972 respectively; I am a Professional Engineer (PEng) registered with Engineers and Geoscientists BC (No. 115741); I am a member of the Geological Association of Canada. My relevant experience includes: Senior Research Scientist (Geological Survey of Canada, 1974 – 2008) responsible for regional mapping and mineral resource evaluation programs in British Columbia and Yukon; I practice as a consultant to the mineral exploration industry (2008 – present) and provide field services such as geological mapping, geochemical and geophysical surveys, planning and oversight of exploration drill programs, data compilation and evaluation, property evaluation, and technical report writing. I am a "qualified person" in relation to the subject matter of this Technical Report.

d. I visited the Chu Chua Gold Property, which is the subject of this report, for one day on April 7th, 2019, on behalf of Mongoose Mining Ltd.

e. I am responsible for all sections of the Technical Report.

f. I am independent of the Optionors and Mongoose Mining Ltd. applying all of the tests in section 1.5 of National Instrument 43-101.

g. I visited a claim group that included the Property, as an independent consultant, on four occasions in 2013: June 27th – 30th, July 27th- 30th, and August 3rd- 4th and 6th- 7th. My role was oversight of a 2-phase surface litho-geochemical sampling program, evaluation of geology, interpretation of analytical data, and preparation of assessment reports on behalf of First Americas Gold Corp.

h. I have read and understand National Instrument 43-101 and Form 43-101FI and the Report has been prepared in compliance with the instrument.

i. To the best of my knowledge, information and belief, the Technical Report contains all scientific and technical information that is required to be disclosed to make the Technical Report not misleading.

Dated this 14th Day of April, 2019.

"Signed" Dr. Robert I. Thompson, PhD, PEng

____

Robert I. Thompson

Printed name of Qualified Person

Appendix 1: Multi Year Area Based Permit MX-4-710 granted to the Optionors.

BRITISH COLUMBIA | Ministry of Energy and Mines

Mineral & Coal Exploration Activities & Reclamation Permit

(Issued pursuant to Section 10 of the *Mines Act* R.S.B.C. 1996, c.293)

Permit Number: **MX-4-710**

Mine No: **1620922**
Approval No: **17-1620922-0619**

Permittee: **Ellerbeck, Ken**
255 W. Battle Street
Kamloops, BC V2C 1G8

Business Phone: **(250) 320-5363**
Fax:

Name of Property: **Chu Chua Bar (Shenul)**

Reclamation security amount: **$5,000**

For exploration and reclamation activities at the following mineral/coal tenures:

as described in the attached Notice of Work and Reclamation Program application **dated February 14, 2017:**

Approved Activities

	Access Roads, Trails, Heli Pads, Air Strips…		Mechanical Trenching/Test Pits
	Application for Timber Cutting Authorization		Off-Tenure Access (SUP)
	Blasting		Settling Ponds
	Camps, Buildings and Staging Areas		Surface Bulk Sample
	Cut Lines		Underground Exploration
x	Exploration Surface Drilling	x	Water Supply/Use

Date of Issuance: June 19, 2017 **Date of Amendment:**

Tom Charles
Inspector of Mines

The information on this form and any supporting documents are subject to the *Freedom of Information and Protection of Privacy Act*. The information requested on this form is collected and used for the purpose of administering the Mineral Exploration and Reclamation Permit. The *Mines Act* of British Columbia also authorizes the collection of the requested information on this form. The completed form is routinely available to the public. Questions about how the *Freedom of Information and Protection of Privacy Act* applies to the information collected on this form can be directed to the Mines Branch, phone (250)952-0492, fax (250)952-0491 or write to: PO Box 9320, Stn Prov Govt, Victoria, British Columbia, V8W 9N3.

BRITISH COLUMBIA | Ministry of Energy and Mines

June 19, 2017 File: 14675-20/1620922

Ken Ellerbeck
255 W. Battle Street
Kamloops, BC V2C 1G8

Re: Mines Act Permit MX-4-710, Approval # 17-1620922-0619
Property: Chu Chua Bar (Shenul)

Please find enclosed your Mines Act permit which authorizes exploration activities as detailed in the Notice of Work and Reclamation Program application dated February 24, 2017. The Notice of Work and Reclamation Program application forms part of the permit and you are reminded that you may not depart from the permitted program without written authorization.

Read your permit and ensure that you and all persons who are carrying out activities in accordance with this permit comply with all terms and conditions of the permit and are familiar with the permitted work program. Maintain a legible copy of this permit at the mining property and ensure that it is available to authorized inspectors and other authorized government officials. This permit applies only to the requirements under the *Mines Act* and Health, Safety and Reclamation Code for Mines in British Columbia (Code). Other legislation may be applicable to the operation and you (the Permittee) may be required to obtain approvals or permits under that legislation. It is your responsibility to comply with the terms and conditions of all other permits and authorizations which you may have been issued and other applicable legislation including the Wildfire Act and Wildfire Regulation.

Pursuant to Part 1.7.1 of the Health, Safety and Reclamation Code for Mines in British Columbia, the Mine Manager shall report all accidents and dangerous occurrences to the Regional Inspector of Mines – Health and Safety.

The Water Sustainability Act came into force on February 29, 2016. Mining activities, where water is diverted from streams and underground aquifers, are now regulated. On April 15th 2016 several exemptions were approved for 2016 and this exemption has now been extended to December 31, 2017. The attached document describes these mining activity exclusions. Where necessary, you should apply for a short term licence or water extraction permit for your mining activities. This can be done, online.

Also enclosed is an executed copy of the *Toronto Dominion Bank Safekeeping Agreement Certificate No. 0276-8652817-01 for $5,000* dated June 15, 2017, to cover reclamation security for the program. The amount of your security deposit may be adjusted on the basis of reclamation performance, field inspections by this Ministry and on reports which may be requested. By copy of this letter, we are forwarding an executed copy of the Safekeeping Agreement to the TD Bank in Kamloops.

The Annual Summary of Exploration Activities and the Multi-Year, Area Based Work Program Annual Update can be found at http://www2.gov.bc.ca/gov/content/industry/mineral-exploration-mining/permitting/annual-reporting-forms. Until this permit is closed, you must file this information by March 31 of each year. Failure to comply with the Code may impact your ability to obtain future permits and work authorizations.

Ministry of Energy and Mines

Mailing Address:
2nd Floor, 441 Columbia Street
Kamloops, BC V2C 2T3
Telephone: (250) 828 4131
e-mail: MMD-Kamloops@gov.bc.ca

Location:
South Central Region

In the event an archaeological site is encountered during the course of the approved exploration activities, the program shall be suspended or modified in such a manner so as to ensure that the site is not damaged, desecrated or otherwise altered and the occurrence shall be reported immediately to the Ministry of Energy and Mines. Work shall not be resumed until so authorized.

The BC Wildfire Management Branch has a requirement that all persons carrying out industrial activities between March 1st and November 1st each year, should be providing emergency contact information as a public safety issue. You can go to this website: http://bcwildfire.ca/Industry_Stakeholders/industry/ to complete and submit the form directly to the appropriate Fire Centre.

Fording of water courses is not authorized under this permit. Any streams within the work area must be assumed to be fish-bearing unless found otherwise by an appropriately qualified professional assessment.

All activities on the mine site shall conform to terms and conditions listed in *the Health, Safety and Reclamation Code for Mines in British Columbia, the Mines Act and the Handbook for Mineral and Coal Exploration in British Columbia.*

You have been designated as the Mine Manager, and as such, it is your responsibility to ensure that the property is operated in accordance with permit conditions and the Health, Safety and Reclamation Code for Mines in British Columbia. In the event that you are unable to fulfill this responsibility on a daily basis, it is **your responsibility** to appoint (in writing) an alternate to fulfill the function of Mine Manager in your absence.

Please provide me with written notice at least 10 days prior to commencement and 7 days prior to ceasing work on the program.

Sincerely,

Tom Charles
Inspector of Mines

Encl.: Permit/NoW/SKA/Agency response(s)
cc: Reclamation Section, Victoria
Bank

Ministry of Energy and Mines

Mailing Address:
2nd Floor, 441 Columbia Street
Kamloops, BC V2C 2T3
Telephone: (250) 828 4131
e-mail: MMD-Kamloops@gov.bc.ca

Location:
South Central Region

Appendix 2: Multi Use Area Based Permit Annual Summary and Update of Activities.

BRITISH COLUMBIA

March 13, 2018 File: 14675-20/1620922

Ken Ellerbeck
255 W. Battle Street
Kamloops, BC V2C 1G8

Re: MYAB Annual Summary & Update for Mines Act Permit MX-4-710
Property: Chu Chua Bar (Shenul)

This will acknowledge receipt of your Multi-Year Area Based (MYAB) Annual Update Report and your Annual Summary of Exploration Activities (ASEA) dated February 11, 2018. Your MYAB and ASEA have been reviewed and accepted.

You are reminded that all persons who are carrying out activities under this permit must comply with all terms and conditions of the permit and be familiar with the approved work program and Emergency Response Plan.

If there has been a change in the appointment of the Mine Manager or the Emergency Response Plan (ERP) for this property, please notify this office at your earliest convenience, but no later than 10 days prior to commencement of activities on site. The letter of appointment and/or an updated ERP is to be sent to: mmd-kamloops@gov.bc.ca

Sincerely,

Tom Charles
Inspector of Mines

Ministry of Energy, Mines and Petroleum Resources

Mailing Address:
2nd Floor, 441 Columbia Street
Kamloops, BC V2C 2T3
Telephone: (250) 828 4131
e-mail: MMD-Kamloops@gov.bc.ca

Location:
South Central Region

Appendix 3: Example of Field Database from Phase 2 Litho-geochemical Sampling Program completed by First Americas Gold Corp. (Thompson and Cook, 2014)

Field No	Lab No	Zone	UTM_X	UTM_Y	Description
13CCTK-041	2102147	11	291039	5686413	Sheeted quartz stockwork zone in variably altered ryholite unit 2-5m wide exposure 170 degree strike 70 degree dipping vein sets with pyrite and limonite boxworks and red disseminated iron oxide -sample is a composite of veined material
13CCTK-042	2102148	11	291039	5686413	Face of ryholite outcrop with pyrite flooding and silicification with quartz veining (patchy) - sample is a 1m wide composite of veined material with more silicification
13CCTK-043	2102149	11	291039	5686413	Same outcrop as above -more silicified material with pyrite disseminated in host and in veinlets with sericite and limonite boxworks -composted across a .5m width
13CCTK-044	2102150	11	291040	5686411	Same outcrop as above- composite of material with pyrite disseminated in host feldspar porphyry completely altered white with some thin quartz veinlets
13CCTK-045	2102151	11	291048	5686410	Grab of quartz stockwork material with pyrite, limonite and rare galena in veinlets with albitic alteration and silicification of host feldspar porphyry
13CCTK-046	2102152	11	291046	5686418	Zone of stockwork quartz veinlets in ryholite with some pyrite and limonite with carbonate and a grey mineral -black alteration of feldspars
13CCTK-047	2102153	11	291054	5686417	Composite of black feldspar porphyry unit with some quartz veinlets and rare limonite
13CCTK-048	2102154	11	291054	5686429	Black feldspar porphyry unit with disseminated pyrite and some quartz veinlets with bleaching along margins and rare hyaloclastite textures
13CCTK-049	2102155	11	291044	5686430	Composite of bleached ryholite porphyry unit with thin quartz veinlets containing pyrite and limonite with sericite -composite of 1m wide by 1m wide area
13CCTK-050	2102156	11	291034	5686423	Grab of silicified pyretic quartz stockwork hosted in ryholite unit
13CCTK-051	2102157	11	291034	5686428	Foot wide zone of 340 trending dip 60 degrees to SW and 40-60 degree striking dip to SE at 60 degree veinlets with more silicification and pyrite flooding of sericite altered host feldspar porphyry
13CCTK-052	2102158	11	291034	5686428	Same area as above with more pyrite disseminated in sericite altered host -larger type cubes
13CCTK-053	2102159	11	291043	5686432	Pyrite flooded sericitic altered feldspar porphyry unit with larger cubes of disseminated pyrite -some veining of quartz with pyrite-grab of better looking material
13CCTK-054	2102160	11	291043	5686432	1m wide composite chip sample of veined ryholite with some silicification and pyrite flooding -feldspar porphyry
13CCTK-055	2102161	11	291043	5686432	Grab of a 2cm wide quartz vein with massive pyrite(larger cubes/masses) in ryholite
13CCTK-056	2102162	11	291043	5686432	Pyrite rich silicified ryholite cut by thin quartz veinlets

Appendix 4: Lab report from ACME Labs (Now Bureau Veritas Canada Ltd) showing results from all Phase 2 litho-geochemical samples together with a quality control report.

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

Client: **First Americas Gold Corp.**
2323 - 106 West Hastings Street
Vancouver BC V6E 3X2 CANADA

Submitted By: Robert Thompson
Receiving Lab: Canada-Vancouver
Received: August 08, 2013
Report Date: August 30, 2013
Page: 1 of 10

CERTIFICATE OF ANALYSIS VAN13003070.1

CLIENT JOB INFORMATION

Project:	None Given
Shipment ID:	
P.O. Number:	
Number of Samples:	252

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	252	Crush, split and pulverize 250 g rock to 200 mesh			VAN
3B	252	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	252	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: First Americas Gold Corp.
2323 - 106 West Hastings Street
Vancouver BC V6E 3X2
CANADA

CC: Renee Hetheington

BRITISH COLUMBIA CERTIFIED ASSAYER
RAYMOND CHAN
CHIEF ASSAYER

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

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Client: **First Americas Gold Corp.**
2323 - 106 West Hastings Street
Vancouver BC V6E 3X2 CANADA

Project: None Given
Report Date: August 30, 2013

Page: 2 of 10 Part: 1 of 2

CERTIFICATE OF ANALYSIS VAN13003070.1

Method		WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
2102147	Rock	0.72	14	0.1	1.2	6.7	6	<0.1	0.9	0.2	46	0.67	2.7	<0.5	18.7	6	<0.1	<0.1	0.1	<2	0.02
2102148	Rock	0.36	73	0.4	1.3	4.7	10	<0.1	1.5	0.4	96	0.90	6.6	34.8	17.6	6	<0.1	<0.1	0.2	<2	<0.01
2102149	Rock	0.49	115	<0.1	0.9	2.5	4	<0.1	0.9	0.3	45	0.73	5.9	134.6	19.8	8	<0.1	<0.1	0.1	<2	<0.01
2102150	Rock	0.98	8	0.4	4.0	9.8	3	0.2	0.7	0.2	24	0.89	12.5	7.3	17.0	7	<0.1	<0.1	0.3	<2	0.01
2102151	Rock	1.10	3	0.2	1.9	5.9	1	<0.1	0.6	0.2	19	0.62	19.4	4.1	16.8	7	<0.1	<0.1	0.2	<2	<0.01
2102152	Rock	0.74	12	<0.1	1.1	5.1	17	<0.1	0.9	0.2	35	0.55	<0.5	1.4	20.4	4	<0.1	<0.1	<0.1	<2	0.01
2102153	Rock	0.86	<2	0.1	1.2	9.2	12	<0.1	0.8	0.2	54	0.45	<0.5	0.8	19.7	5	<0.1	<0.1	0.1	<2	0.04
2102154	Rock	0.76	<2	0.2	3.2	25.4	8	<0.1	0.8	0.2	43	0.61	9.3	0.6	20.0	11	<0.1	<0.1	0.2	<2	0.02
2102155	Rock	1.26	13	0.1	2.3	14.0	8	0.1	1.2	0.2	30	0.81	7.1	12.4	19.9	8	<0.1	<0.1	0.3	<2	0.01
2102156	Rock	0.46	179	0.2	1.4	6.9	8	<0.1	0.7	0.2	30	1.14	31.2	68.2	18.8	10	<0.1	<0.1	0.3	<2	<0.01
2102157	Rock	0.81	7	0.2	1.2	4.3	2	<0.1	0.8	0.2	25	0.79	5.9	1.8	18.9	8	<0.1	<0.1	0.1	<2	<0.01
2102158	Rock	1.22	3	1.5	2.9	17.7	5	0.1	1.0	0.4	21	0.80	32.3	1.6	18.2	9	<0.1	<0.1	0.4	<2	0.01
2102159	Rock	0.84	11	0.6	1.4	18.0	5	0.2	1.0	0.2	16	0.62	14.6	1.0	15.4	5	<0.1	<0.1	0.3	<2	0.01
2102160	Rock	0.92	5	0.1	2.0	3.5	3	<0.1	1.2	0.3	28	0.94	11.3	5.6	11.8	10	<0.1	<0.1	<0.1	<2	<0.01
2102161	Rock	0.69	147	<0.1	1.1	4.6	4	<0.1	1.2	0.4	33	1.34	29.9	114.8	5.2	4	<0.1	<0.1	0.1	<2	<0.01
2102162	Rock	0.87	4	0.3	1.8	21.1	5	0.1	0.6	0.2	20	0.87	5.1	170.9	15.9	7	<0.1	<0.1	0.3	<2	<0.01
2102163	Rock	0.79	1244	0.3	2.7	68.0	14	0.6	2.0	1.4	97	3.39	15.7	479.4	16.4	8	<0.1	0.2	1.5	<2	0.01
2102164	Rock	0.42	876	0.3	5.9	45.4	16	0.7	1.9	1.3	39	4.75	48.7	277.6	12.2	11	<0.1	0.4	1.7	<2	<0.01
2102165	Rock	0.96	5860	0.3	13.3	113.3	32	2.5	1.5	1.1	515	3.13	129.5	2070	14.8	9	<0.1	0.1	4.3	3	0.01
2102166	Rock	0.68	262	0.2	2.7	9.8	7	<0.1	1.6	1.1	41	3.40	15.8	77.3	17.4	8	<0.1	0.1	0.2	<2	0.02
2102167	Rock	0.72	509	0.2	4.0	19.6	10	0.5	1.9	2.1	48	2.77	44.4	1045	12.7	11	<0.1	0.1	0.5	<2	<0.01
2102168	Rock	0.62	1362	0.2	3.8	7.9	28	0.5	1.2	0.9	135	3.16	38.9	1757	16.1	6	<0.1	0.1	0.2	<2	<0.01
2102169	Rock	0.69	161	0.2	2.0	7.5	13	0.1	1.0	0.5	122	1.23	4.6	335.0	16.8	5	<0.1	<0.1	0.1	<2	<0.01
2102170	Rock	0.87	205	1.1	1.8	17.9	11	0.2	1.0	0.4	77	1.33	10.5	111.7	17.7	5	<0.1	0.1	0.3	<2	<0.01
2102171	Rock	0.71	130	0.9	8.7	62.0	27	0.5	0.6	0.4	383	2.32	30.8	87.9	16.8	3	<0.1	0.1	2.1	<2	<0.01
2102172	Rock	0.49	159	0.3	2.3	9.3	13	0.1	0.5	0.2	97	1.33	1.5	52.3	16.2	11	<0.1	0.2	0.2	<2	0.03
2102173	Rock	0.70	63	0.1	2.9	3.8	42	<0.1	1.2	0.6	1156	3.00	9.8	175.0	14.0	5	0.1	0.3	<0.1	<2	<0.01
2102174	Rock	0.83	123	<0.1	1.1	3.6	5	<0.1	1.5	0.4	36	1.70	8.7	50.7	16.1	6	<0.1	<0.1	0.2	<2	0.01
2102175	Rock	0.90	192	0.3	1.8	11.8	10	0.2	0.9	0.3	34	1.62	19.7	244.6	14.3	8	<0.1	0.3	0.2	<2	<0.01
2102176	Rock	0.88	999	0.2	1.3	9.5	9	0.3	1.1	0.3	34	1.80	7.9	628.0	13.7	8	<0.1	0.2	0.2	<2	<0.01

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

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Client: **First Americas Gold Corp.**
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Project: None Given
Report Date: August 30, 2013

Page: 2 of 10 Part: 2 of 2

CERTIFICATE OF ANALYSIS VAN13003070.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
2102147	Rock	0.015	42	1	<0.01	21	<0.001	<20	0.16	0.118	0.01	<0.1	<0.01	<0.1	0.08	1.7	<0.5	<1	<0.2
2102148	Rock	0.010	47	2	<0.01	20	<0.001	<20	0.17	0.100	<0.01	<0.1	<0.01	<0.1	<0.05	2.6	<0.5	<1	<0.2
2102149	Rock	0.011	53	1	<0.01	32	<0.001	<20	0.15	0.094	0.04	<0.1	<0.01	<0.1	0.23	2.4	<0.5	<1	<0.2
2102150	Rock	0.010	44	1	<0.01	8	<0.001	<20	0.16	0.129	<0.01	<0.1	<0.01	<0.1	0.15	1.4	<0.5	<1	<0.2
2102151	Rock	0.012	39	1	<0.01	9	<0.001	<20	0.14	0.118	<0.01	<0.1	<0.01	<0.1	0.25	1.0	<0.5	<1	<0.2
2102152	Rock	0.013	49	1	<0.01	124	<0.001	<20	0.21	0.054	0.12	<0.1	<0.01	<0.1	<0.05	2.5	<0.5	<1	<0.2
2102153	Rock	0.015	60	2	0.02	80	0.002	<20	0.29	0.027	0.19	<0.1	<0.01	<0.1	<0.05	0.9	<0.5	1	<0.2
2102154	Rock	0.015	54	2	<0.01	533	0.002	<20	0.23	0.026	0.24	<0.1	<0.01	<0.1	0.20	0.7	<0.5	<1	<0.2
2102155	Rock	0.016	42	1	<0.01	98	<0.001	<20	0.23	0.093	0.09	<0.1	<0.01	<0.1	<0.05	2.1	<0.5	<1	<0.2
2102156	Rock	0.015	67	2	<0.01	113	<0.001	<20	0.19	0.091	0.08	<0.1	<0.01	<0.1	0.12	2.4	<0.5	<1	<0.2
2102157	Rock	0.013	54	2	<0.01	16	0.001	<20	0.13	0.109	<0.01	<0.1	<0.01	<0.1	0.27	1.0	<0.5	<1	<0.2
2102158	Rock	0.015	42	<1	<0.01	251	0.001	<20	0.32	0.039	0.22	<0.1	<0.01	<0.1	0.37	0.7	<0.5	<1	<0.2
2102159	Rock	0.013	29	1	<0.01	146	<0.001	<20	0.22	0.058	0.14	<0.1	<0.01	<0.1	0.47	0.6	<0.5	<1	<0.2
2102160	Rock	0.014	28	2	<0.01	40	<0.001	<20	0.12	0.097	0.02	<0.1	<0.01	<0.1	0.33	0.8	<0.5	<1	<0.2
2102161	Rock	0.008	13	2	<0.01	20	<0.001	<20	0.07	0.053	0.01	<0.1	<0.01	<0.1	0.51	1.1	0.7	<1	<0.2
2102162	Rock	0.017	38	1	<0.01	199	<0.001	<20	0.27	0.025	0.22	<0.1	0.01	<0.1	0.43	0.6	<0.5	<1	<0.2
2102163	Rock	0.026	31	3	<0.01	12	<0.001	<20	0.13	0.099	0.01	<0.1	0.01	<0.1	1.44	3.4	0.8	<1	<0.2
2102164	Rock	0.025	22	2	<0.01	18	<0.001	<20	0.13	0.076	0.03	<0.1	<0.01	<0.1	2.51	2.1	1.8	<1	<0.2
2102165	Rock	0.022	32	2	<0.01	142	<0.001	<20	0.23	0.047	0.24	<0.1	0.03	<0.1	0.30	3.1	1.1	1	<0.2
2102166	Rock	0.029	33	2	<0.01	12	<0.001	<20	0.13	0.106	0.02	<0.1	<0.01	<0.1	2.26	2.9	<0.5	<1	<0.2
2102167	Rock	0.031	22	1	<0.01	41	<0.001	<20	0.14	0.103	0.06	<0.1	<0.01	<0.1	1.54	4.6	0.8	<1	<0.2
2102168	Rock	0.021	37	1	<0.01	101	0.001	<20	0.23	0.071	0.16	0.1	<0.01	<0.1	0.54	1.8	0.8	1	<0.2
2102169	Rock	0.018	36	2	<0.01	44	<0.001	<20	0.20	0.089	0.07	<0.1	<0.01	<0.1	0.18	2.0	<0.5	<1	<0.2
2102170	Rock	0.016	40	2	<0.01	8	<0.001	<20	0.17	0.117	<0.01	<0.1	<0.01	<0.1	0.21	2.7	<0.5	<1	<0.2
2102171	Rock	0.017	29	<1	<0.01	117	<0.001	<20	0.26	0.049	0.20	<0.1	0.02	<0.1	0.30	2.8	<0.5	1	<0.2
2102172	Rock	0.014	34	<1	<0.01	47	<0.001	<20	0.19	0.081	0.09	<0.1	<0.01	<0.1	0.12	2.6	<0.5	<1	<0.2
2102173	Rock	0.012	23	2	<0.01	21	<0.001	<20	0.23	0.081	<0.01	<0.1	<0.01	<0.1	0.23	15.3	<0.5	<1	<0.2
2102174	Rock	0.014	30	1	<0.01	9	<0.001	<20	0.15	0.110	0.01	<0.1	<0.01	<0.1	1.14	2.5	<0.5	<1	<0.2
2102175	Rock	0.014	27	2	<0.01	14	0.001	<20	0.15	0.088	0.02	<0.1	<0.01	<0.1	0.30	1.6	<0.5	<1	<0.2
2102176	Rock	0.010	32	2	<0.01	11	<0.001	<20	0.12	0.103	0.02	<0.1	<0.01	<0.1	0.68	2.2	0.7	<1	<0.2

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Project: None Given
Report Date: August 30, 2013

Page: 3 of 10 Part: 1 of 2

CERTIFICATE OF ANALYSIS VAN13003070.1

Method		WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
2102177	Rock	0.66	267	<0.1	1.3	14.5	6	0.2	0.4	<0.1	22	1.37	29.9	210.2	27.6	4	<0.1	<0.1	0.3	<2	<0.01
2102178	Rock	0.67	214	<0.1	1.0	11.7	19	0.1	0.5	0.1	26	1.18	24.5	115.6	19.3	3	<0.1	<0.1	<0.1	<2	<0.01
2102179	Rock	0.83	116	0.2	1.8	94.8	2	0.4	0.9	0.4	23	1.44	69.9	219.4	12.2	6	<0.1	0.3	0.6	<2	<0.01
2102180	Rock	0.73	743	0.3	1.6	63.9	2	0.5	0.4	<0.1	28	1.24	71.2	1168	11.3	8	<0.1	0.5	1.0	<2	<0.01
2102181	Rock	0.64	108	0.1	1.5	29.7	11	0.2	0.8	0.2	36	1.08	10.8	15.4	11.9	4	<0.1	0.2	0.4	<2	<0.01
2102182	Rock	1.11	5	0.6	6.8	27.0	29	0.3	0.8	0.4	41	1.59	16.8	5.9	18.3	4	<0.1	0.2	0.7	<2	<0.01
2102183	Rock	0.69	4	0.5	4.4	27.6	29	<0.1	1.0	0.2	61	1.41	18.1	5.2	18.7	3	<0.1	0.3	0.6	5	<0.01
2102184	Rock	0.72	93	0.6	19.0	91.7	42	0.5	1.1	0.4	211	7.31	21.9	25.2	21.6	17	<0.1	1.3	1.1	<2	0.02
2102185	Rock	0.81	<2	<0.1	2.0	15.3	31	<0.1	1.2	0.4	104	0.84	1.7	4.5	18.7	2	<0.1	<0.1	0.2	3	0.02
2102186	Rock	0.74	40	<0.1	1.9	59.9	5	0.4	0.5	0.2	32	1.07	11.7	663.2	14.0	5	<0.1	<0.1	0.7	<2	<0.01
2102187	Rock	0.86	10	0.1	2.0	15.6	14	<0.1	0.6	0.3	80	0.78	12.4	29.7	20.0	4	<0.1	<0.1	0.2	<2	<0.01
2102188	Rock	0.87	<2	<0.1	1.0	12.3	17	<0.1	0.5	0.2	84	0.60	0.8	1.1	16.7	3	<0.1	<0.1	0.1	<2	<0.01
2102189	Rock	0.83	419	0.2	1.8	11.2	11	<0.1	0.6	0.3	84	0.76	8.6	28.8	20.2	4	<0.1	<0.1	0.1	<2	<0.01
2102190	Rock	0.91	3	0.2	1.1	31.2	8	0.2	0.3	0.1	24	0.34	0.5	5.0	20.0	3	<0.1	<0.1	0.4	<2	<0.01
2102191	Rock	1.04	2	0.3	1.8	31.2	17	0.1	0.6	0.2	86	0.57	2.5	2.7	18.5	3	<0.1	<0.1	0.2	<2	<0.01
2102192	Rock	0.53	<2	0.7	1.3	18.8	22	<0.1	0.9	0.2	48	0.68	1.4	<0.5	19.5	3	<0.1	<0.1	0.2	<2	<0.01
2102193	Rock	0.66	12	0.2	0.9	18.9	6	0.1	0.4	<0.1	22	0.48	5.8	8.1	15.5	7	<0.1	<0.1	0.2	<2	<0.01
2102194	Rock	0.94	<2	0.4	2.0	9.4	16	<0.1	0.9	0.1	39	0.50	1.2	<0.5	21.8	5	<0.1	<0.1	0.1	<2	0.02
2102195	Rock	0.98	238	0.2	4.5	14.9	16	0.2	0.6	0.1	50	1.64	3.5	22.4	13.0	13	<0.1	<0.1	0.2	<2	<0.01
2102196	Rock	0.57	749	0.1	1.3	8.4	2	0.2	1.2	0.3	25	1.41	13.6	139.3	10.1	9	<0.1	<0.1	0.2	<2	0.01
2102197	Rock	0.66	2550	0.1	2.2	19.0	7	0.4	0.2	0.1	28	1.32	24.4	1199	11.6	3	<0.1	0.4	0.9	<2	<0.01
2102198	Rock	0.64	179	0.1	10.9	66.4	189	0.2	0.9	0.4	320	4.10	1.7	76.0	19.6	11	0.2	0.1	<0.1	3	<0.01
2102199	Rock	0.79	506	<0.1	31.3	48.0	19	1.0	0.7	0.2	213	3.75	11.9	1529	15.0	29	<0.1	0.2	1.0	3	0.01
2102200	Rock	0.97	42	<0.1	3.2	5.2	25	<0.1	1.0	0.6	262	3.72	<0.5	29.5	10.3	12	<0.1	<0.1	<0.1	3	<0.01
2102201	Rock	0.45	351	0.2	1.9	63.4	6	2.1	0.4	0.1	24	1.20	8.3	2380	16.2	12	<0.1	0.3	1.2	<2	<0.01
2102202	Rock	0.65	196	0.1	2.2	5.6	3	0.3	0.9	0.3	38	1.35	17.2	727.7	12.0	7	<0.1	<0.1	0.1	<2	<0.01
2102203	Rock	0.94	99	0.2	2.3	12.1	18	0.1	0.9	0.3	79	1.43	7.9	21.7	21.7	5	<0.1	0.2	0.2	<2	<0.01
2102204	Rock	0.79	72	0.2	0.6	2.5	<1	<0.1	0.2	0.2	20	0.67	5.7	136.2	20.0	4	<0.1	0.2	<0.1	<2	<0.01
2102205	Rock	0.75	831	0.2	1.1	6.7	2	8.9	0.4	0.1	22	1.22	13.0	45658	18.5	5	<0.1	0.2	0.2	<2	<0.01
2102206	Rock	0.69	2330	0.3	1.8	8.9	7	0.3	2.7	0.8	51	3.11	71.4	1918	12.6	8	<0.1	0.1	0.4	<2	<0.01

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Project: None Given
Report Date: August 30, 2013

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CERTIFICATE OF ANALYSIS VAN13003070.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
2102177	Rock	0.014	61	1	<0.01	60	<0.001	<20	0.17	0.089	0.08	<0.1	0.01	<0.1	0.13	0.9	<0.5	<1	<0.2
2102178	Rock	0.008	43	<1	<0.01	52	<0.001	<20	0.15	0.085	0.09	<0.1	0.02	<0.1	0.47	0.9	<0.5	<1	<0.2
2102179	Rock	0.010	29	2	<0.01	24	<0.001	<20	0.11	0.095	0.02	<0.1	<0.01	<0.1	0.80	0.7	1.0	<1	<0.2
2102180	Rock	0.016	35	2	<0.01	35	0.001	<20	0.15	0.108	0.06	<0.1	<0.01	<0.1	0.21	1.9	0.6	<1	<0.2
2102181	Rock	0.009	23	2	<0.01	16	<0.001	<20	0.14	0.081	0.02	<0.1	<0.01	<0.1	0.17	1.9	<0.5	<1	<0.2
2102182	Rock	0.017	34	2	<0.01	124	<0.001	<20	0.26	0.031	0.26	<0.1	0.02	<0.1	0.26	0.7	<0.5	<1	<0.2
2102183	Rock	0.017	43	2	0.01	60	0.005	<20	0.31	0.026	0.21	<0.1	<0.01	<0.1	<0.05	1.9	<0.5	3	<0.2
2102184	Rock	0.071	43	1	<0.01	107	<0.001	<20	0.32	0.064	0.03	<0.1	0.02	<0.1	0.08	4.8	2.1	2	<0.2
2102185	Rock	0.016	42	2	0.02	46	0.008	<20	0.29	0.031	0.24	0.2	<0.01	<0.1	<0.05	1.7	<0.5	2	<0.2
2102186	Rock	0.013	33	1	<0.01	21	<0.001	<20	0.15	0.082	0.03	<0.1	<0.01	<0.1	0.07	1.4	<0.5	<1	<0.2
2102187	Rock	0.014	50	<1	<0.01	102	<0.001	<20	0.28	0.040	0.20	<0.1	<0.01	<0.1	<0.05	1.8	<0.5	<1	<0.2
2102188	Rock	0.011	38	1	<0.01	127	<0.001	<20	0.25	0.020	0.25	<0.1	0.02	<0.1	<0.05	0.5	<0.5	<1	<0.2
2102189	Rock	0.015	49	1	0.01	73	<0.001	<20	0.32	0.053	0.12	<0.1	<0.01	<0.1	<0.05	1.7	<0.5	<1	<0.2
2102190	Rock	0.012	53	<1	<0.01	136	<0.001	<20	0.27	0.040	0.25	<0.1	0.02	<0.1	<0.05	0.9	<0.5	<1	<0.2
2102191	Rock	0.012	47	1	<0.01	95	<0.001	<20	0.26	0.049	0.20	<0.1	0.01	<0.1	<0.05	1.7	<0.5	<1	<0.2
2102192	Rock	0.017	51	2	<0.01	157	0.001	<20	0.25	0.021	0.25	<0.1	0.01	<0.1	<0.05	0.6	<0.5	<1	<0.2
2102193	Rock	0.018	29	1	<0.01	35	<0.001	<20	0.18	0.090	0.06	<0.1	<0.01	<0.1	<0.05	1.1	<0.5	<1	<0.2
2102194	Rock	0.018	57	1	0.01	111	<0.001	<20	0.29	0.029	0.22	<0.1	<0.01	<0.1	<0.05	0.9	<0.5	<1	<0.2
2102195	Rock	0.014	29	1	<0.01	89	<0.001	<20	0.20	0.076	0.14	<0.1	<0.01	<0.1	0.08	1.5	<0.5	<1	<0.2
2102196	Rock	0.005	26	2	<0.01	19	<0.001	<20	0.11	0.117	0.02	<0.1	<0.01	<0.1	1.03	0.5	0.7	<1	<0.2
2102197	Rock	0.008	36	<1	<0.01	11	0.002	<20	0.15	0.100	0.01	<0.1	<0.01	<0.1	0.08	1.5	0.9	<1	<0.2
2102198	Rock	0.020	25	1	<0.01	88	<0.001	<20	0.23	0.054	0.18	<0.1	0.04	<0.1	0.16	2.7	<0.5	2	<0.2
2102199	Rock	0.032	29	2	<0.01	50	<0.001	<20	0.19	0.097	0.09	<0.1	0.02	<0.1	0.13	4.3	0.8	1	<0.2
2102200	Rock	0.016	26	1	0.04	185	<0.001	<20	0.28	0.043	0.26	<0.1	0.01	<0.1	0.20	2.8	0.6	2	<0.2
2102201	Rock	0.013	36	2	<0.01	130	0.001	<20	0.15	0.108	0.01	<0.1	0.02	<0.1	0.20	1.9	<0.5	<1	<0.2
2102202	Rock	0.010	34	2	<0.01	24	0.001	<20	0.10	0.080	0.01	<0.1	0.01	<0.1	0.51	0.8	<0.5	<1	<0.2
2102203	Rock	0.018	53	2	<0.01	55	0.001	<20	0.26	0.087	0.07	0.1	<0.01	<0.1	<0.05	1.4	<0.5	<1	<0.2
2102204	Rock	0.008	52	1	<0.01	23	<0.001	<20	0.16	0.101	<0.01	<0.1	<0.01	<0.1	<0.05	1.0	<0.5	<1	<0.2
2102205	Rock	0.009	45	1	<0.01	61	<0.001	<20	0.15	0.113	0.01	<0.1	0.10	<0.1	0.18	0.9	<0.5	<1	<0.2
2102206	Rock	0.014	28	2	<0.01	14	0.001	<20	0.13	0.106	0.01	0.1	0.02	<0.1	2.01	2.1	0.5	<1	<0.2

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Project: None Given
Report Date: August 30, 2013

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CERTIFICATE OF ANALYSIS VAN13003070.1

	Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
2102207	Rock	0.59	647	0.3	2.2	2.9	10	0.2	0.8	0.2	36	1.64	8.9	848.6	19.5	10	<0.1	0.4	<0.1	<2	<0.01
2102208	Rock	0.88	21	0.2	2.2	9.9	19	0.1	0.6	0.2	38	0.82	3.2	56.2	23.1	5	<0.1	<0.1	<0.1	<2	0.01
2102209	Rock	0.98	62	0.1	3.5	8.1	14	<0.1	0.7	0.2	198	1.40	29.8	17.0	18.0	8	<0.1	0.3	<0.1	<2	0.01
2102210	Rock	0.94	105	<0.1	1.4	3.3	4	<0.1	0.5	<0.1	30	0.85	7.0	35.3	16.7	6	<0.1	0.2	<0.1	<2	<0.01
2102211	Rock	0.82	381	<0.1	5.3	9.5	80	0.2	3.3	1.1	204	2.62	3.3	579.1	19.1	4	0.2	0.2	0.1	2	0.02
2102212	Rock	1.06	57	<0.1	1.6	2.2	6	<0.1	1.1	0.3	58	0.71	3.8	105.9	17.5	4	<0.1	<0.1	<0.1	<2	0.01
2102213	Rock	0.47	18	<0.1	1.8	1.4	2	<0.1	1.0	0.3	28	0.72	4.0	<0.5	17.0	8	<0.1	<0.1	<0.1	<2	0.02
2102214	Rock	1.03	117	<0.1	0.8	3.2	2	<0.1	0.5	0.2	24	0.68	2.4	15.6	15.1	5	<0.1	<0.1	<0.1	<2	<0.01
2102215	Rock	0.76	74	<0.1	0.8	4.4	3	<0.1	0.6	0.1	26	0.59	3.5	103.8	16.7	5	<0.1	<0.1	0.2	<2	<0.01
2102216	Rock	0.56	14	0.4	1.6	14.9	13	<0.1	0.7	0.3	34	0.62	1.0	4.2	17.4	4	<0.1	<0.1	0.2	<2	<0.01
2102217	Rock	0.60	123	0.3	3.5	26.6	7	0.3	0.6	0.3	37	1.02	2.4	46.8	16.5	5	<0.1	0.2	0.6	<2	<0.01
2102218	Rock	0.65	23	0.1	2.9	19.0	15	0.1	0.7	0.2	90	0.65	4.6	214.7	16.2	5	<0.1	<0.1	0.2	<2	<0.01
2102219	Rock	0.95	208	0.1	2.2	11.5	9	<0.1	0.5	0.1	18	0.50	14.9	52.5	20.4	3	<0.1	<0.1	0.2	<2	<0.01
2102220	Rock	1.02	39	0.3	1.2	3.2	6	<0.1	0.8	0.2	32	1.77	10.8	18.0	17.4	21	<0.1	<0.1	<0.1	<2	<0.01
2102221	Rock	0.82	77	0.5	1.5	2533	51	16.9	1.0	1.7	88	1.45	121.8	74.5	6.9	3	0.2	6.4	10.0	<2	<0.01
2102222	Rock	1.04	<2	<0.1	3.2	22.4	52	0.3	1.0	0.5	120	0.41	6.9	<0.5	19.4	28	0.2	0.2	0.3	<2	0.44
2102223	Rock	0.81	9	0.6	1.4	402.6	69	0.3	0.8	0.2	34	0.62	34.4	4.8	19.5	6	0.1	0.2	0.3	<2	0.01
2102224	Rock	0.83	95	0.5	2.0	176.3	81	0.5	0.9	0.3	44	0.72	45.2	3.9	13.8	5	0.1	<0.1	0.6	<2	0.05
2102225	Rock	0.70	99	0.3	1.6	465.9	124	2.3	1.6	0.5	61	1.64	103.9	35.6	12.3	4	0.4	0.6	1.1	<2	0.01
2102226	Rock	0.65	7	0.7	1.1	167.6	27	0.6	0.7	0.7	49	0.91	71.7	13.6	13.9	13	<0.1	0.2	0.4	<2	0.01
2102227	Rock	0.62	3	1.0	1.2	77.3	25	0.2	0.6	0.2	43	0.87	62.4	4.8	16.7	5	<0.1	0.1	0.3	4	0.01
2102228	Rock	0.32	102	0.6	1.9	26.5	27	0.1	0.8	0.5	31	2.33	241.7	33.1	23.7	8	<0.1	0.1	0.1	<2	<0.01
2102229	Rock	0.59	7	0.9	4.1	913.5	612	2.9	0.7	0.5	243	0.85	46.9	2.9	5.9	11	2.7	1.5	0.6	<2	0.11
2102230	Rock	0.52	11	0.8	11.9	8.3	31	<0.1	9.1	1.2	209	1.74	30.0	8.0	0.9	5	<0.1	0.2	<0.1	3	0.18
2102231	Rock	0.64	<2	0.1	0.7	20.1	16	<0.1	0.7	0.2	36	0.38	10.4	<0.5	13.5	4	<0.1	<0.1	<0.1	<2	0.02
2102232	Rock	0.58	73	0.3	3.4	381.3	31	1.6	0.5	0.1	28	0.62	36.7	53.0	6.9	3	0.1	1.5	1.5	<2	<0.01
2102233	Rock	0.80	249	0.3	4.9	3881	9	14.7	0.7	0.8	35	1.15	37.5	427.9	0.3	2	0.1	7.6	5.6	<2	<0.01
2102234	Rock	0.80	12	11.8	215.3	18.6	45	1.1	359.5	67.9	94	7.57	435.6	15.6	4.0	5	<0.1	1.0	1.6	7	<0.01
2102235	Rock	0.46	141	1.4	14.3	301.2	90	2.7	1.4	1.0	93	1.05	24.4	45.3	19.6	4	<0.1	1.0	1.8	<2	<0.01
2102236	Rock	0.46	8	0.5	11.9	59.6	74	0.3	3.7	1.1	203	0.88	19.1	5.6	20.1	21	0.3	0.3	0.5	<2	0.57

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

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Project: None Given
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CERTIFICATE OF ANALYSIS VAN13003070.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
2102207	Rock	0.016	46	2	<0.01	18	0.001	<20	0.19	0.118	0.01	<0.1	<0.01	<0.1	0.13	4.2	<0.5	<1	<0.2
2102208	Rock	0.017	56	1	0.01	120	<0.001	<20	0.34	0.049	0.21	<0.1	<0.01	<0.1	<0.05	1.3	<0.5	<1	<0.2
2102209	Rock	0.015	41	1	<0.01	33	<0.001	<20	0.19	0.113	0.02	<0.1	<0.01	<0.1	0.18	2.1	<0.5	<1	<0.2
2102210	Rock	0.014	40	1	<0.01	14	<0.001	<20	0.20	0.099	0.01	<0.1	<0.01	<0.1	<0.05	2.0	<0.5	<1	<0.2
2102211	Rock	0.022	24	1	<0.01	47	<0.001	<20	0.26	0.108	0.08	<0.1	0.01	<0.1	0.13	2.5	<0.5	1	<0.2
2102212	Rock	0.015	27	1	<0.01	14	<0.001	<20	0.18	0.105	<0.01	<0.1	<0.01	<0.1	0.23	1.1	<0.5	<1	<0.2
2102213	Rock	0.014	33	1	<0.01	6	<0.001	<20	0.13	0.115	<0.01	<0.1	<0.01	<0.1	0.27	1.3	<0.5	<1	<0.2
2102214	Rock	0.012	35	2	<0.01	19	<0.001	<20	0.15	0.113	<0.01	<0.1	<0.01	<0.1	0.16	1.3	<0.5	<1	<0.2
2102215	Rock	0.010	45	1	<0.01	26	<0.001	<20	0.17	0.094	0.03	<0.1	<0.01	<0.1	0.07	1.1	<0.5	<1	<0.2
2102216	Rock	0.011	48	1	<0.01	70	<0.001	<20	0.23	0.071	0.15	<0.1	<0.01	<0.1	<0.05	1.4	<0.5	<1	<0.2
2102217	Rock	0.015	50	1	<0.01	17	<0.001	<20	0.21	0.090	0.02	<0.1	<0.01	<0.1	<0.05	2.7	<0.5	<1	<0.2
2102218	Rock	0.010	43	<1	<0.01	61	<0.001	<20	0.18	0.078	0.13	<0.1	<0.01	<0.1	<0.05	1.7	<0.5	<1	<0.2
2102219	Rock	0.013	53	<1	<0.01	114	<0.001	<20	0.28	0.051	0.19	<0.1	<0.01	<0.1	<0.05	1.3	<0.5	<1	<0.2
2102220	Rock	0.050	43	2	<0.01	28	0.001	<20	0.17	0.118	0.01	<0.1	<0.01	<0.1	0.08	10.0	0.7	<1	<0.2
2102221	Rock	0.005	14	3	<0.01	44	0.001	<20	0.20	0.017	0.15	<0.1	0.01	<0.1	0.56	0.7	4.4	<1	1.5
2102222	Rock	0.009	47	<1	0.01	58	<0.001	<20	0.28	0.030	0.31	<0.1	<0.01	<0.1	<0.05	1.2	<0.5	<1	<0.2
2102223	Rock	0.012	53	1	0.02	148	<0.001	<20	0.30	0.026	0.22	0.1	<0.01	<0.1	0.08	1.1	<0.5	<1	<0.2
2102224	Rock	0.010	37	1	0.02	173	<0.001	<20	0.27	0.031	0.17	<0.1	<0.01	<0.1	0.07	0.9	<0.5	<1	<0.2
2102225	Rock	0.010	27	1	0.01	73	<0.001	<20	0.25	0.051	0.13	<0.1	0.02	<0.1	0.20	1.3	<0.5	<1	<0.2
2102226	Rock	0.009	31	2	0.02	273	0.001	<20	0.26	0.022	0.21	0.1	<0.01	<0.1	0.33	0.9	<0.5	<1	<0.2
2102227	Rock	0.012	41	1	0.01	80	<0.001	<20	0.24	0.028	0.19	0.1	<0.01	<0.1	0.08	1.1	<0.5	1	<0.2
2102228	Rock	0.013	50	<1	0.03	224	<0.001	<20	0.34	0.029	0.17	<0.1	<0.01	<0.1	0.25	1.1	<0.5	<1	<0.2
2102229	Rock	0.006	15	2	<0.01	30	<0.001	<20	0.15	0.033	0.07	<0.1	0.13	<0.1	0.25	0.8	1.1	<1	0.3
2102230	Rock	0.007	2	2	0.03	41	<0.001	<20	0.06	0.001	0.05	<0.1	0.01	0.1	0.17	0.5	<0.5	<1	<0.2
2102231	Rock	0.011	45	1	0.01	53	<0.001	<20	0.22	0.054	0.12	<0.1	<0.01	<0.1	<0.05	0.8	<0.5	<1	<0.2
2102232	Rock	0.006	19	2	<0.01	54	<0.001	<20	0.15	0.019	0.12	<0.1	0.03	<0.1	0.07	0.4	<0.5	<1	0.4
2102233	Rock	0.002	<1	3	<0.01	5	<0.001	<20	0.02	0.003	<0.01	<0.1	0.03	<0.1	0.08	0.2	6.0	<1	1.4
2102234	Rock	0.014	6	5	0.05	54	0.002	<20	0.40	0.003	0.24	0.2	0.04	<0.1	3.41	1.9	10.9	1	<0.2
2102235	Rock	0.009	41	1	0.01	93	<0.001	<20	0.31	0.032	0.20	<0.1	0.10	<0.1	0.25	1.2	<0.5	1	0.6
2102236	Rock	0.014	52	1	0.02	126	<0.001	<20	0.32	0.019	0.29	<0.1	<0.01	<0.1	0.10	2.2	<0.5	1	<0.2

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Project: None Given
Report Date: August 30, 2013

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CERTIFICATE OF ANALYSIS VAN13003070.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
2102207	Rock	0.016	46	2	<0.01	18	0.001	<20	0.19	0.118	0.01	<0.1	<0.01	<0.1	0.13	4.2	<0.5	<1	<0.2
2102208	Rock	0.017	56	1	0.01	120	<0.001	<20	0.34	0.049	0.21	<0.1	<0.01	<0.1	<0.05	1.3	<0.5	<1	<0.2
2102209	Rock	0.015	41	1	<0.01	33	<0.001	<20	0.19	0.113	0.02	<0.1	<0.01	<0.1	0.18	2.1	<0.5	<1	<0.2
2102210	Rock	0.014	40	1	<0.01	14	<0.001	<20	0.20	0.099	0.01	<0.1	<0.01	<0.1	<0.05	2.0	<0.5	<1	<0.2
2102211	Rock	0.022	24	1	<0.01	47	<0.001	<20	0.26	0.108	0.08	<0.1	0.01	<0.1	0.13	2.5	<0.5	1	<0.2
2102212	Rock	0.015	27	1	<0.01	14	<0.001	<20	0.18	0.105	<0.01	<0.1	<0.01	<0.1	0.23	1.1	<0.5	<1	<0.2
2102213	Rock	0.014	33	1	<0.01	6	<0.001	<20	0.13	0.115	<0.01	<0.1	<0.01	<0.1	0.27	1.3	<0.5	<1	<0.2
2102214	Rock	0.012	35	2	<0.01	19	<0.001	<20	0.15	0.113	<0.01	<0.1	<0.01	<0.1	0.16	1.3	<0.5	<1	<0.2
2102215	Rock	0.010	45	1	<0.01	26	<0.001	<20	0.17	0.094	0.03	<0.1	<0.01	<0.1	0.07	1.1	<0.5	<1	<0.2
2102216	Rock	0.011	48	1	<0.01	70	<0.001	<20	0.23	0.071	0.15	<0.1	<0.01	<0.1	<0.05	1.4	<0.5	<1	<0.2
2102217	Rock	0.015	50	1	<0.01	17	<0.001	<20	0.21	0.090	0.02	<0.1	<0.01	<0.1	<0.05	2.7	<0.5	<1	<0.2
2102218	Rock	0.010	43	<1	<0.01	61	<0.001	<20	0.18	0.078	0.13	<0.1	<0.01	<0.1	<0.05	1.7	<0.5	<1	<0.2
2102219	Rock	0.013	53	<1	<0.01	114	<0.001	<20	0.28	0.051	0.19	<0.1	<0.01	<0.1	<0.05	1.3	<0.5	<1	<0.2
2102220	Rock	0.050	43	2	<0.01	28	0.001	<20	0.17	0.118	0.01	<0.1	<0.01	<0.1	0.08	10.0	0.7	<1	<0.2
2102221	Rock	0.005	14	3	<0.01	44	0.001	<20	0.20	0.017	0.15	<0.1	0.01	<0.1	0.56	0.7	4.4	<1	1.5
2102222	Rock	0.009	47	<1	0.01	58	<0.001	<20	0.28	0.030	0.31	<0.1	<0.01	<0.1	<0.05	1.2	<0.5	<1	<0.2
2102223	Rock	0.012	53	1	0.02	148	<0.001	<20	0.30	0.026	0.22	0.1	<0.01	<0.1	0.08	1.1	<0.5	<1	<0.2
2102224	Rock	0.010	37	1	0.02	173	<0.001	<20	0.27	0.031	0.17	<0.1	<0.01	<0.1	0.07	0.9	<0.5	<1	<0.2
2102225	Rock	0.010	27	1	0.01	73	<0.001	<20	0.25	0.051	0.13	<0.1	0.02	<0.1	0.20	1.3	<0.5	<1	<0.2
2102226	Rock	0.009	31	2	0.02	273	0.001	<20	0.26	0.022	0.21	0.1	<0.01	<0.1	0.33	0.9	<0.5	<1	<0.2
2102227	Rock	0.012	41	1	0.01	80	<0.001	<20	0.24	0.028	0.19	0.1	<0.01	<0.1	0.08	1.1	<0.5	1	<0.2
2102228	Rock	0.013	50	<1	0.03	224	<0.001	<20	0.34	0.029	0.17	<0.1	<0.01	<0.1	0.25	1.1	<0.5	<1	<0.2
2102229	Rock	0.006	15	2	<0.01	30	<0.001	<20	0.15	0.033	0.07	<0.1	0.13	<0.1	0.25	0.8	1.1	<1	0.3
2102230	Rock	0.007	2	2	0.03	41	<0.001	<20	0.06	0.001	0.05	<0.1	0.01	0.1	0.17	0.5	<0.5	<1	<0.2
2102231	Rock	0.011	45	1	0.01	53	<0.001	<20	0.22	0.054	0.12	<0.1	<0.01	<0.1	<0.05	0.8	<0.5	<1	<0.2
2102232	Rock	0.006	19	2	<0.01	54	<0.001	<20	0.15	0.019	0.12	<0.1	0.03	<0.1	0.07	0.4	<0.5	<1	0.4
2102233	Rock	0.002	<1	3	<0.01	5	<0.001	<20	0.02	0.003	<0.01	<0.1	0.03	<0.1	0.08	0.2	6.0	<1	1.4
2102234	Rock	0.014	6	5	0.05	54	0.002	<20	0.40	0.003	0.24	0.2	0.04	<0.1	3.41	1.9	10.9	1	<0.2
2102235	Rock	0.009	41	1	0.01	93	<0.001	<20	0.31	0.032	0.20	<0.1	0.10	<0.1	0.25	1.2	<0.5	1	0.6
2102236	Rock	0.014	52	1	0.02	126	<0.001	<20	0.32	0.019	0.29	<0.1	<0.01	<0.1	0.10	2.2	<0.5	1	<0.2

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Project: None Given
Report Date: August 30, 2013

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CERTIFICATE OF ANALYSIS VAN13003070.1

Method		WGHT	3B	1DX	1DX	1DX	1DX	1DX
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag
Unit		kg	ppb	ppm	ppm	ppm	ppm	ppm
MDL		0.01	2	0.1	0.1	0.1	1	0.1
2102237	Rock	1.00	204	0.5	9.1	128.5	68	0.4
2102238	Rock	0.76	37	0.4	2.7	125.0	58	0.4
2102239	Rock	1.20	13	0.1	2.2	19.2	17	<0.1
2102240	Rock	0.53	<2	0.5	1.1	13.8	8	<0.1
2102241	Rock	0.65	12	1.0	1.9	20.1	5	<0.1
2102242	Rock	0.64	48	<0.1	0.7	4.6	3	<0.1
2102243	Rock	0.87	18	0.2	2.2	10.7	8	<0.1
2102244	Rock	0.99	193	0.2	2.1	6.1	5	0.1
2102245	Rock	0.65	<2	0.1	1.5	10.4	13	<0.1
2102246	Rock	0.83	386	0.2	1.4	4.7	5	<0.1
2102247	Rock	0.97	129	0.1	3.3	4.0	7	<0.1
2102248	Rock	0.77	23	<0.1	0.7	1.8	2	<0.1
2102249	Rock	0.51	188	0.2	1.7	6.4	11	<0.1
2102250	Rock	0.63	24	0.5	2.5	11.8	8	0.1
2102251	Rock	0.66	5	1.3	10.3	3.8	<1	<0.1
2102252	Rock	1.07	1708	0.2	32.7	13.7	5	0.4
2102253	Rock	0.76	44	2.9	48.8	11.0	10	<0.1
2102254	Rock	0.43	40	0.8	6.6	28.0	35	<0.1
2102255	Rock	0.97	11	0.9	2.8	13.5	16	<0.1
2102256	Rock	0.93	16	1.2	2.3	42.2	13	<0.1
2102257	Rock	0.63	6	0.3	14.7	5.0	5	<0.1
2102258	Rock	0.57	7	0.7	22.5	2.6	5	<0.1
2102259	Rock	1.09	5	0.4	21.3	31.9	22	<0.1
2102260	Rock	0.51	3	0.5	1.3	20.7	19	0.1
2102261	Rock	1.01	15	0.2	1.5	3.7	6	<0.1
2102262	Rock	0.47	14	0.4	1.1	5.9	9	<0.1
2102263	Rock	1.12	21	0.4	0.6	8.3	7	<0.1
2102264	Rock	1.19	2	0.2	0.8	2.0	1	<0.1
2102265	Rock	0.58	4	0.2	0.8	6.9	11	<0.1
2102266	Rock	0.27	48	0.5	0.9	3.8	<1	<0.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
2102237	Rock	0.7	0.2	52	0.89	44.1	301.2	17.3	13	0.2	0.2	<0.1	<2	0.04
2102238	Rock	2.5	0.7	144	0.78	68.5	24.5	26.9	15	0.1	0.1	0.6	<2	0.04
2102239	Rock	0.8	0.4	30	1.26	84.9	16.8	10.5	21	<0.1	0.5	<0.1	<2	<0.01
2102240	Rock	1.5	0.9	73	0.60	1.8	<0.5	5.5	14	<0.1	0.2	<0.1	<2	0.19
2102241	Rock	0.5	0.3	21	0.94	15.6	13.4	7.9	8	<0.1	0.6	0.3	<2	<0.01
2102242	Rock	0.9	0.3	25	1.14	17.2	16.7	16.6	6	<0.1	<0.1	<0.1	<2	<0.01
2102243	Rock	0.6	0.3	24	0.74	5.8	5.7	19.8	3	<0.1	<0.1	0.1	<2	<0.01
2102244	Rock	0.6	0.3	22	0.99	16.9	316.9	19.1	4	<0.1	<0.1	<0.1	<2	<0.01
2102245	Rock	2.1	1.1	119	0.64	1.4	0.7	18.2	5	<0.1	<0.1	0.1	<2	0.01
2102246	Rock	0.9	0.4	71	1.16	9.8	274.3	21.0	7	<0.1	<0.1	<0.1	<2	<0.01
2102247	Rock	0.7	0.3	68	0.98	5.2	88.1	18.1	6	<0.1	<0.1	<0.1	<2	<0.01
2102248	Rock	0.7	0.2	25	0.81	7.0	42.5	15.0	3	<0.1	<0.1	<0.1	<2	<0.01
2102249	Rock	0.5	0.1	28	0.60	9.4	74.1	15.4	8	<0.1	<0.1	<0.1	<2	<0.01
2102250	Rock	1.1	0.4	63	1.35	6.6	50.2	16.8	6	<0.1	0.2	0.6	<2	<0.01
2102251	Rock	0.4	<0.1	19	1.00	1.3	4.0	8.1	3	<0.1	0.5	0.2	<2	<0.01
2102252	Rock	0.4	0.6	22	1.38	21.2	3704	11.6	6	<0.1	21.6	1.0	<2	<0.01
2102253	Rock	1.0	0.4	21	0.69	31.0	164.5	6.5	3	<0.1	15.0	0.3	<2	0.02
2102254	Rock	0.8	0.9	38	1.03	73.9	14.8	16.3	6	<0.1	1.0	1.2	<2	0.11
2102255	Rock	0.5	0.2	33	0.63	112.4	9.7	8.8	5	<0.1	0.5	0.3	<2	0.01
2102256	Rock	0.7	0.1	32	0.58	48.5	12.3	11.8	8	<0.1	0.9	0.2	<2	0.06
2102257	Rock	0.4	0.8	41	1.12	4.2	9.9	10.1	8	<0.1	0.3	0.2	<2	0.04
2102258	Rock	0.4	2.3	31	2.33	9.1	10.2	7.4	4	<0.1	9.6	0.5	<2	<0.01
2102259	Rock	4.2	0.8	48	0.80	1.0	4.3	16.7	5	<0.1	0.1	0.4	<2	0.02
2102260	Rock	1.0	0.5	82	0.72	1.0	7.0	20.2	5	<0.1	0.2	0.3	<2	0.02
2102261	Rock	0.5	0.2	31	0.60	3.7	5.4	20.8	7	<0.1	<0.1	0.1	<2	<0.01
2102262	Rock	1.1	0.5	119	0.93	2.3	9.2	14.4	7	<0.1	<0.1	<0.1	<2	<0.01
2102263	Rock	0.6	0.2	30	0.33	1.4	12.1	22.3	6	<0.1	<0.1	0.3	<2	0.02
2102264	Rock	0.8	0.1	33	0.58	2.3	3.6	17.6	9	<0.1	<0.1	<0.1	<2	<0.01
2102265	Rock	0.7	0.5	124	0.42	1.1	2.8	20.5	5	<0.1	<0.1	<0.1	<2	<0.01
2102266	Rock	0.4	0.2	22	1.38	17.3	25.4	15.7	3	<0.1	0.1	0.2	<2	<0.01

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

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Project: None Given
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CERTIFICATE OF ANALYSIS VAN13003070.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
2102237	Rock	0.011	41	1	<0.01	58	<0.001	<20	0.23	0.073	0.15	<0.1	<0.01	<0.1	0.11	0.9	0.5	<1	<0.2
2102238	Rock	0.019	63	<1	0.02	94	0.001	<20	0.35	0.027	0.31	0.1	0.01	<0.1	0.27	1.6	<0.5	1	<0.2
2102239	Rock	0.010	28	2	<0.01	91	<0.001	<20	0.16	0.049	0.15	<0.1	<0.01	<0.1	0.31	1.1	<0.5	<1	<0.2
2102240	Rock	0.003	18	1	0.01	71	<0.001	<20	0.18	0.042	0.14	<0.1	<0.01	<0.1	0.24	0.6	<0.5	<1	<0.2
2102241	Rock	0.010	25	1	0.02	207	0.002	<20	0.26	0.029	0.24	<0.1	0.16	0.2	0.13	0.7	<0.5	<1	<0.2
2102242	Rock	0.013	42	1	<0.01	14	<0.001	<20	0.13	0.104	<0.01	<0.1	<0.01	<0.1	0.26	1.6	<0.5	<1	<0.2
2102243	Rock	0.008	45	1	<0.01	38	<0.001	<20	0.18	0.085	0.08	<0.1	<0.01	<0.1	<0.05	2.0	<0.5	<1	<0.2
2102244	Rock	0.011	48	1	<0.01	34	<0.001	<20	0.18	0.097	0.05	<0.1	<0.01	<0.1	0.12	1.8	<0.5	<1	<0.2
2102245	Rock	0.013	44	2	<0.01	79	0.001	<20	0.25	0.040	0.21	<0.1	<0.01	<0.1	<0.05	1.2	<0.5	<1	<0.2
2102246	Rock	0.017	52	1	<0.01	45	0.001	<20	0.18	0.093	0.04	<0.1	<0.01	<0.1	0.10	3.2	<0.5	<1	<0.2
2102247	Rock	0.013	49	2	<0.01	17	<0.001	<20	0.18	0.113	0.03	<0.1	<0.01	<0.1	0.08	2.2	<0.5	<1	<0.2
2102248	Rock	0.008	30	1	<0.01	5	<0.001	<20	0.13	0.086	<0.01	<0.1	<0.01	<0.1	0.06	1.2	<0.5	<1	<0.2
2102249	Rock	0.011	45	2	<0.01	68	<0.001	<20	0.15	0.074	0.09	<0.1	<0.01	<0.1	<0.05	0.9	<0.5	<1	<0.2
2102250	Rock	0.011	36	2	<0.01	45	<0.001	<20	0.14	0.060	0.10	<0.1	<0.01	<0.1	0.07	2.4	1.0	<1	<0.2
2102251	Rock	0.006	22	1	<0.01	62	0.001	<20	0.22	0.007	0.34	<0.1	<0.01	<0.1	0.20	0.5	2.2	<1	0.3
2102252	Rock	0.023	28	<1	0.01	69	<0.001	<20	0.26	0.011	0.31	<0.1	0.12	<0.1	0.64	1.0	1.1	<1	<0.2
2102253	Rock	0.015	22	<1	<0.01	33	<0.001	<20	0.17	0.009	0.18	<0.1	0.03	<0.1	0.36	0.6	0.6	<1	<0.2
2102254	Rock	0.032	40	<1	0.01	66	<0.001	<20	0.26	0.013	0.25	<0.1	0.01	<0.1	0.27	1.9	<0.5	<1	<0.2
2102255	Rock	0.014	26	1	<0.01	60	<0.001	<20	0.19	0.024	0.18	<0.1	0.04	<0.1	0.06	0.7	0.5	<1	<0.2
2102256	Rock	0.020	31	1	<0.01	59	<0.001	<20	0.24	0.026	0.21	<0.1	0.04	<0.1	<0.05	0.8	1.0	<1	<0.2
2102257	Rock	0.021	29	1	0.02	79	<0.001	<20	0.23	0.006	0.23	<0.1	<0.01	<0.1	0.27	1.3	0.6	<1	<0.2
2102258	Rock	0.014	18	<1	<0.01	82	<0.001	<20	0.21	0.006	0.28	<0.1	0.04	<0.1	1.38	1.2	1.0	<1	<0.2
2102259	Rock	0.009	31	<1	0.04	267	0.002	<20	0.29	0.025	0.22	<0.1	<0.01	<0.1	0.15	0.7	1.1	<1	<0.2
2102260	Rock	0.013	49	1	0.01	86	<0.001	<20	0.24	0.039	0.18	<0.1	<0.01	<0.1	0.12	2.2	<0.5	<1	<0.2
2102261	Rock	0.016	52	<1	<0.01	31	<0.001	<20	0.17	0.086	0.05	<0.1	<0.01	<0.1	<0.05	1.3	0.6	<1	<0.2
2102262	Rock	0.012	36	2	<0.01	37	<0.001	<20	0.16	0.074	<0.01	<0.1	<0.01	<0.1	<0.05	5.6	<0.5	<1	<0.2
2102263	Rock	0.015	65	<1	<0.01	102	<0.001	<20	0.23	0.051	0.16	<0.1	<0.01	<0.1	<0.05	1.0	<0.5	<1	<0.2
2102264	Rock	0.018	51	1	<0.01	16	<0.001	<20	0.15	0.114	0.01	<0.1	<0.01	<0.1	<0.05	1.3	<0.5	<1	<0.2
2102265	Rock	0.011	51	<1	<0.01	78	<0.001	<20	0.25	0.047	0.15	<0.1	<0.01	<0.1	<0.05	3.3	<0.5	<1	<0.2
2102266	Rock	0.011	38	1	<0.01	11	<0.001	<20	0.14	0.084	<0.01	<0.1	<0.01	<0.1	0.27	0.8	1.1	<1	<0.2

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Client: **First Americas Gold Corp.**
2323 - 106 West Hastings Street
Vancouver BC V6E 3X2 CANADA

Project: None Given
Report Date: August 30, 2013

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CERTIFICATE OF ANALYSIS VAN13003070.1

	Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
2102267	Rock	0.76	218	0.2	0.6	4.3	1	<0.1	0.3	0.1	24	0.67	2.4	225.5	6.9	5	<0.1	<0.1	0.1	<2	<0.01
2102268	Rock	0.43	36	<0.1	0.9	3.2	3	<0.1	0.5	0.2	25	0.60	4.8	35.1	21.0	5	<0.1	<0.1	0.2	<2	<0.01
2102269	Rock	0.70	5	0.1	2.6	21.5	18	0.2	0.5	0.2	110	0.33	<0.5	4.9	20.3	27	<0.1	<0.1	0.4	<2	0.22
2102270	Rock	1.25	9	0.2	0.5	11.6	3	<0.1	0.1	0.1	19	0.31	1.3	3.1	20.4	5	<0.1	<0.1	0.2	<2	0.01
2102271	Rock	0.47	9	0.1	1.0	2.0	<1	<0.1	0.5	0.2	25	0.56	3.6	5.0	17.9	8	<0.1	<0.1	<0.1	<2	<0.01
2102272	Rock	0.99	123	0.2	0.6	2.4	3	<0.1	0.3	0.2	45	1.19	7.2	93.0	19.9	6	<0.1	<0.1	<0.1	<2	<0.01
2102273	Rock	1.16	14	0.2	0.7	2.0	2	<0.1	0.3	0.2	28	0.57	2.5	11.1	15.8	6	<0.1	<0.1	<0.1	<2	<0.01
2102274	Rock	0.55	5	<0.1	0.6	1.4	<1	<0.1	0.7	0.2	23	0.60	2.5	4.8	18.0	4	<0.1	<0.1	<0.1	<2	<0.01
2102275	Rock	0.68	284	<0.1	1.3	3.1	9	<0.1	0.8	0.2	69	1.43	14.8	20.4	13.7	7	<0.1	<0.1	<0.1	<2	<0.01
2102276	Rock	0.82	4	0.1	1.3	0.5	5	<0.1	0.8	0.2	56	0.50	1.6	1.0	2.3	<1	<0.1	<0.1	<0.1	<2	<0.01
2102277	Rock	0.52	60	<0.1	2.0	4.3	13	<0.1	1.0	0.2	74	1.70	22.9	36.4	16.7	10	<0.1	<0.1	<0.1	<2	0.02
2102278	Rock	0.54	275	<0.1	3.9	19.5	11	0.1	0.7	0.1	33	1.39	20.9	125.0	20.1	3	<0.1	<0.1	0.4	<2	<0.01
2102279	Rock	0.56	467	0.4	4.0	5.7	45	0.6	0.9	0.3	92	2.92	27.1	1254	13.4	5	<0.1	0.9	0.1	<2	0.01
2102280	Rock	0.72	53	<0.1	0.8	2.0	20	<0.1	0.8	0.2	30	1.44	10.2	11.4	10.9	5	<0.1	<0.1	<0.1	<2	0.01
2102281	Rock	1.00	141	24.0	1.7	13.4	4	0.2	0.8	<0.1	19	0.84	76.2	96.1	17.6	4	<0.1	0.2	0.4	<2	<0.01
2102282	Rock	1.45	177	0.4	1.9	6.6	3	<0.1	0.7	0.1	24	0.95	144.5	66.0	19.8	4	<0.1	0.2	0.1	<2	<0.01
2102283	Rock	0.58	77	106.7	0.8	11.4	2	0.5	1.1	0.4	29	0.87	8.0	48.1	15.5	6	<0.1	0.5	0.7	<2	<0.01
2102284	Rock	0.37	14	0.5	1.2	8.0	30	<0.1	1.9	1.0	233	2.58	1.1	6.3	9.9	1	<0.1	<0.1	<0.1	3	<0.01
2102285	Rock	0.36	2161	0.4	4.2	880.0	19	7.7	0.6	<0.1	16	0.48	4.1	336.2	14.3	4	0.1	0.3	13.8	<2	<0.01
2102286	Rock	0.68	1299	0.3	1.2	17.4	3	0.4	0.5	<0.1	21	0.58	20.7	463.6	13.9	9	<0.1	0.1	0.7	<2	<0.01
2102287	Rock	0.52	685	0.2	1.4	8.2	33	1.1	1.2	0.4	80	1.72	7.8	4892	16.6	7	<0.1	0.2	0.3	<2	<0.01
2102288	Rock	0.47	133	0.2	2.8	60.4	5	0.3	0.5	<0.1	23	0.76	6.8	81.2	12.2	2	<0.1	<0.1	0.2	<2	<0.01
2102289	Rock	0.59	31	0.2	1.5	60.8	7	<0.1	0.5	0.1	28	0.72	11.7	15.5	5.1	3	<0.1	<0.1	<0.1	<2	<0.01
2102290	Rock	1.21	53	0.2	1.3	38.0	7	0.1	0.6	<0.1	28	0.68	3.9	40.3	10.9	6	<0.1	<0.1	0.2	<2	<0.01
2102291	Rock	0.51	33	0.5	1.6	3.1	8	<0.1	0.5	0.1	34	0.94	4.1	14.8	10.9	4	<0.1	<0.1	<0.1	<2	<0.01
2102292	Rock	0.48	214	<0.1	2.0	19.5	10	0.2	0.6	0.1	30	0.97	10.8	155.9	19.4	2	<0.1	0.1	0.2	<2	<0.01
2102293	Rock	0.55	16	<0.1	2.0	5.0	2	<0.1	0.4	<0.1	18	0.68	2.9	9.9	9.6	5	<0.1	<0.1	<0.1	<2	<0.01
2102294	Rock	0.36	110	<0.1	0.7	1.9	5	<0.1	0.6	0.1	24	0.61	6.0	175.0	15.3	4	<0.1	<0.1	<0.1	<2	<0.01
2102295	Rock	0.59	275	0.1	1.4	14.1	8	0.3	0.6	0.1	19	1.33	21.2	677.7	16.6	4	<0.1	<0.1	0.1	2	<0.01
2102296	Rock	0.50	271	0.2	1.9	3.3	16	<0.1	0.9	0.2	30	1.34	6.6	25.7	18.1	2	<0.1	<0.1	<0.1	<2	<0.01

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Project: None Given
Report Date: August 30, 2013

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CERTIFICATE OF ANALYSIS VAN13003070.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
2102267	Rock	0.006	25	<1	<0.01	7	<0.001	<20	0.13	0.092	<0.01	<0.1	<0.01	<0.1	<0.05	0.5	<0.5	<1	<0.2
2102268	Rock	0.010	41	<1	<0.01	17	<0.001	<20	0.13	0.091	0.02	<0.1	<0.01	<0.1	0.15	1.9	<0.5	<1	<0.2
2102269	Rock	0.011	49	<1	<0.01	112	<0.001	<20	0.21	0.046	0.21	<0.1	<0.01	<0.1	<0.05	0.9	<0.5	<1	<0.2
2102270	Rock	0.012	58	<1	<0.01	83	<0.001	<20	0.19	0.068	0.14	<0.1	<0.01	<0.1	<0.05	1.2	<0.5	<1	<0.2
2102271	Rock	0.012	45	1	<0.01	21	<0.001	<20	0.11	0.088	0.01	<0.1	<0.01	<0.1	0.10	1.2	0.5	<1	<0.2
2102272	Rock	0.016	40	1	<0.01	9	<0.001	<20	0.14	0.116	0.01	<0.1	<0.01	<0.1	0.05	1.9	<0.5	<1	<0.2
2102273	Rock	0.013	40	1	<0.01	8	<0.001	<20	0.12	0.097	<0.01	<0.1	<0.01	<0.1	<0.05	0.7	<0.5	<1	<0.2
2102274	Rock	0.011	23	1	<0.01	5	<0.001	<20	0.11	0.094	<0.01	<0.1	<0.01	<0.1	0.36	0.7	<0.5	<1	<0.2
2102275	Rock	0.011	29	2	<0.01	18	<0.001	<20	0.12	0.090	0.05	<0.1	<0.01	<0.1	0.35	2.9	0.7	<1	<0.2
2102276	Rock	0.003	9	2	<0.01	4	<0.001	<20	0.05	0.024	<0.01	<0.1	<0.01	<0.1	<0.05	1.8	<0.5	<1	<0.2
2102277	Rock	0.024	27	1	<0.01	48	<0.001	<20	0.13	0.076	0.03	<0.1	0.01	<0.1	0.24	5.0	<0.5	<1	<0.2
2102278	Rock	0.021	47	<1	<0.01	154	<0.001	<20	0.31	0.035	0.28	<0.1	<0.01	<0.1	<0.05	1.1	<0.5	1	<0.2
2102279	Rock	0.026	21	1	<0.01	33	<0.001	<20	0.20	0.073	0.06	<0.1	<0.01	<0.1	<0.05	5.3	<0.5	<1	<0.2
2102280	Rock	0.019	17	1	<0.01	9	<0.001	<20	0.11	0.097	0.01	<0.1	<0.01	<0.1	0.57	4.5	0.8	<1	<0.2
2102281	Rock	0.014	43	<1	<0.01	90	<0.001	<20	0.23	0.068	0.09	<0.1	0.02	<0.1	<0.05	1.3	<0.5	1	<0.2
2102282	Rock	0.011	42	1	<0.01	116	<0.001	<20	0.23	0.079	0.06	<0.1	<0.01	<0.1	<0.05	1.5	<0.5	<1	<0.2
2102283	Rock	0.010	35	2	<0.01	22	<0.001	<20	0.12	0.103	0.02	0.2	<0.01	<0.1	0.39	1.2	<0.5	<1	<0.2
2102284	Rock	0.007	20	3	0.01	66	0.002	<20	0.14	0.007	0.08	<0.1	<0.01	<0.1	<0.05	2.9	<0.5	<1	<0.2
2102285	Rock	0.010	36	1	<0.01	31	<0.001	<20	0.13	0.081	0.05	<0.1	0.01	<0.1	0.05	1.1	2.2	1	<0.2
2102286	Rock	0.009	37	2	<0.01	67	<0.001	<20	0.15	0.080	0.11	<0.1	<0.01	<0.1	0.06	1.0	<0.5	2	<0.2
2102287	Rock	0.022	44	1	<0.01	15	<0.001	<20	0.14	0.080	<0.01	<0.1	<0.01	<0.1	0.05	3.6	<0.5	2	<0.2
2102288	Rock	0.009	34	2	<0.01	7	<0.001	<20	0.15	0.076	<0.01	<0.1	<0.01	<0.1	<0.05	1.2	<0.5	2	<0.2
2102289	Rock	0.006	23	2	<0.01	11	<0.001	<20	0.11	0.080	0.01	<0.1	<0.01	<0.1	<0.05	1.2	<0.5	<1	<0.2
2102290	Rock	0.012	33	2	<0.01	16	<0.001	<20	0.14	0.107	0.01	<0.1	<0.01	<0.1	<0.05	1.1	<0.5	1	<0.2
2102291	Rock	0.008	34	2	<0.01	8	<0.001	<20	0.11	0.091	<0.01	<0.1	<0.01	<0.1	<0.05	1.4	<0.5	1	<0.2
2102292	Rock	0.009	56	2	<0.01	24	<0.001	<20	0.21	0.076	0.05	<0.1	<0.01	<0.1	<0.05	1.4	<0.5	2	<0.2
2102293	Rock	0.007	26	2	<0.01	67	<0.001	<20	0.12	0.095	<0.01	<0.1	<0.01	<0.1	0.06	1.1	<0.5	<1	<0.2
2102294	Rock	0.008	39	2	<0.01	7	<0.001	<20	0.12	0.106	<0.01	<0.1	<0.01	<0.1	0.16	1.0	<0.5	1	<0.2
2102295	Rock	0.011	44	2	<0.01	96	0.001	<20	0.19	0.081	0.10	<0.1	<0.01	<0.1	0.14	1.0	<0.5	2	<0.2
2102296	Rock	0.015	36	2	<0.01	5	<0.001	<20	0.19	0.090	<0.01	<0.1	<0.01	<0.1	<0.05	6.3	<0.5	1	<0.2

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Project: None Given
Report Date: August 30, 2013

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CERTIFICATE OF ANALYSIS VAN13003070.1

	Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
2102297	Rock	1.64	8	0.5	2.0	35.2	12	0.2	1.5	0.1	27	0.50	8.5	2.6	16.7	2	<0.1	<0.1	0.2	<2	<0.01
2102298	Rock	0.82	73	<0.1	0.9	4.1	10	6.9	0.7	0.2	232	0.77	2.6	46408	20.4	4	<0.1	<0.1	0.1	<2	<0.01
2102299	Rock	0.75	87	0.1	1.0	3.4	4	<0.1	0.6	0.1	22	0.71	3.2	52.6	14.2	5	<0.1	<0.1	<0.1	<2	<0.01
2102300	Rock	0.40	58	<0.1	0.5	3.2	<1	<0.1	0.5	0.1	20	0.50	7.6	29.8	17.2	4	<0.1	<0.1	<0.1	<2	<0.01
2102301	Rock	0.41	71	0.1	1.4	4.1	3	<0.1	0.7	0.1	23	0.61	3.2	19.9	12.1	2	<0.1	0.1	<0.1	<2	<0.01
2102302	Rock	1.06	5	<0.1	0.6	0.8	3	<0.1	0.6	<0.1	29	0.39	2.1	2.9	5.4	1	<0.1	<0.1	<0.1	<2	<0.01
2102303	Rock	0.69	435	0.2	0.8	20.3	4	0.1	0.6	<0.1	25	0.76	3.8	139.4	10.0	4	<0.1	<0.1	0.6	<2	<0.01
2102304	Rock	0.35	99	<0.1	1.2	4.0	2	<0.1	0.5	<0.1	24	0.81	11.6	73.9	17.0	2	<0.1	<0.1	<0.1	<2	<0.01
2102305	Rock	0.51	422	<0.1	0.9	4.2	<1	<0.1	0.4	<0.1	17	0.77	19.1	57.0	16.9	2	<0.1	<0.1	0.1	<2	<0.01
2102306	Rock	0.70	8	0.2	2.1	6.4	6	<0.1	0.8	0.2	26	0.57	7.1	20.2	13.5	2	<0.1	0.1	0.2	<2	<0.01
2102307	Rock	0.30	8	0.3	5.4	81.0	105	0.7	1.0	0.5	22	0.62	0.6	15.0	20.2	7	0.2	<0.1	1.1	<2	0.01
2102308	Rock	0.60	24	0.1	1.5	7.6	19	<0.1	0.9	0.3	97	1.03	1.1	31.6	17.7	3	<0.1	<0.1	0.1	<2	<0.01
2102309	Rock	0.47	186	<0.1	1.6	6.6	4	<0.1	0.7	0.2	31	0.93	9.4	112.4	14.8	5	<0.1	0.1	<0.1	<2	<0.01
2102310	Rock	0.77	101	<0.1	1.5	3.8	4	<0.1	1.0	0.3	28	2.00	8.4	36.5	11.9	3	<0.1	<0.1	0.1	<2	<0.01
2102311	Rock	0.42	2266	0.6	6.6	17.4	21	0.7	1.5	0.4	30	4.90	42.5	2533	14.3	11	<0.1	0.3	0.6	3	<0.01
2102312	Rock	0.56	25	<0.1	2.8	3.6	10	<0.1	1.2	0.5	81	1.07	1.1	17.4	16.7	5	<0.1	<0.1	<0.1	<2	0.02
2102313	Rock	0.65	2281	0.1	8.2	16.0	26	0.6	1.1	0.4	307	3.79	19.1	1616	11.9	5	<0.1	0.1	0.7	<2	0.02
2102314	Rock	0.77	307	<0.1	1.1	2.6	4	<0.1	0.7	0.4	28	1.11	7.8	105.3	15.5	4	<0.1	<0.1	<0.1	<2	0.01
2102315	Rock	0.43	3903	0.3	3.1	21.5	48	0.3	1.3	0.5	270	1.74	0.7	124.0	16.5	6	0.1	0.1	0.4	<2	0.03
2102316	Rock	0.44	622	<0.1	1.4	15.5	3	0.2	0.6	0.1	29	0.78	10.3	264.1	13.9	6	<0.1	<0.1	0.3	<2	<0.01
2102317	Rock	0.46	44	0.1	1.2	4.5	11	<0.1	0.7	0.2	31	0.67	6.6	15.2	14.5	4	<0.1	<0.1	<0.1	<2	<0.01
2102318	Rock	0.61	118	<0.1	0.7	9.8	2	0.1	0.6	0.2	23	0.73	6.0	834.3	15.1	7	<0.1	<0.1	<0.1	<2	<0.01
2102319	Rock	0.26	28	0.2	2.3	7.4	11	<0.1	0.7	0.2	29	0.74	1.0	17.6	15.0	11	<0.1	<0.1	<0.1	<2	<0.01
2102320	Rock	0.31	154	<0.1	1.3	20.4	6	0.2	0.5	0.1	23	1.27	10.5	126.6	17.8	4	<0.1	0.1	0.4	<2	<0.01
2102321	Rock	0.40	30	<0.1	1.5	426.1	17	<0.1	0.4	<0.1	51	1.20	6.4	8.6	8.8	2	<0.1	0.3	<0.1	<2	<0.01
2102322	Rock	0.48	48	<0.1	0.7	4.4	3	0.1	0.6	0.2	20	0.80	4.5	230.7	17.1	4	<0.1	<0.1	<0.1	<2	<0.01
2102323	Rock	0.35	172	0.1	1.4	21.9	23	0.2	0.5	0.2	77	1.45	2.6	568.8	17.1	4	<0.1	0.1	0.1	<2	<0.01
2102324	Rock	0.62	13	0.1	0.9	12.3	24	0.1	0.9	0.4	61	1.60	0.7	125.5	18.2	12	0.1	<0.1	0.2	<2	<0.01
2102325	Rock	0.55	14	0.1	0.6	3.4	4	<0.1	0.3	<0.1	23	0.53	0.9	9.9	22.9	4	<0.1	0.1	<0.1	<2	<0.01
2102326	Rock	0.55	25	<0.1	6.8	19.0	13	<0.1	13.0	3.7	449	1.46	20.2	254.7	0.1	34	<0.1	0.3	<0.1	3	0.61

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Project: None Given
Report Date: August 30, 2013

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CERTIFICATE OF ANALYSIS VAN13003070.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
2102297	Rock	0.012	39	1	<0.01	73	<0.001	<20	0.33	0.045	0.10	<0.1	<0.01	<0.1	<0.05	1.4	<0.5	2	<0.2
2102298	Rock	0.009	46	2	<0.01	8	<0.001	<20	0.12	0.109	<0.01	<0.1	0.08	<0.1	<0.05	1.4	<0.5	1	<0.2
2102299	Rock	0.010	43	2	<0.01	17	<0.001	<20	0.12	0.102	0.02	<0.1	<0.01	<0.1	<0.05	1.1	<0.5	2	<0.2
2102300	Rock	0.008	53	1	<0.01	16	<0.001	<20	0.11	0.103	0.01	<0.1	<0.01	<0.1	0.06	0.9	<0.5	2	<0.2
2102301	Rock	0.009	36	2	<0.01	6	<0.001	<20	0.13	0.076	<0.01	<0.1	<0.01	<0.1	<0.05	1.3	<0.5	1	<0.2
2102302	Rock	0.004	13	2	<0.01	4	<0.001	<20	0.10	0.047	<0.01	<0.1	<0.01	<0.1	<0.05	0.6	<0.5	<1	<0.2
2102303	Rock	0.009	47	2	<0.01	19	<0.001	<20	0.12	0.092	<0.01	<0.1	<0.01	<0.1	<0.05	0.5	<0.5	1	<0.2
2102304	Rock	0.011	37	2	<0.01	4	<0.001	<20	0.25	0.081	<0.01	<0.1	<0.01	<0.1	<0.05	2.3	<0.5	2	<0.2
2102305	Rock	0.007	43	1	<0.01	31	<0.001	<20	0.15	0.097	<0.01	<0.1	<0.01	<0.1	<0.05	2.0	<0.5	1	<0.2
2102306	Rock	0.009	31	2	<0.01	5	<0.001	<20	0.19	0.080	<0.01	<0.1	<0.01	<0.1	<0.05	2.3	<0.5	1	<0.2
2102307	Rock	0.014	38	2	<0.01	144	<0.001	<20	0.24	0.045	0.22	<0.1	<0.01	<0.1	0.17	1.0	<0.5	2	<0.2
2102308	Rock	0.011	41	1	<0.01	58	<0.001	<20	0.15	0.081	0.09	<0.1	<0.01	<0.1	<0.05	2.5	<0.5	2	<0.2
2102309	Rock	0.009	30	2	<0.01	51	<0.001	<20	0.11	0.082	0.04	<0.1	<0.01	<0.1	0.19	1.5	<0.5	1	<0.2
2102310	Rock	0.013	22	2	<0.01	22	<0.001	<20	0.11	0.106	<0.01	<0.1	<0.01	<0.1	1.16	1.1	<0.5	1	<0.2
2102311	Rock	0.023	35	4	<0.01	112	0.005	<20	0.15	0.074	0.04	<0.1	<0.01	<0.1	1.63	1.6	0.8	2	<0.2
2102312	Rock	0.012	36	2	<0.01	8	<0.001	<20	0.12	0.097	<0.01	<0.1	<0.01	<0.1	0.31	1.7	<0.5	1	<0.2
2102313	Rock	0.013	29	2	0.04	81	<0.001	<20	0.16	0.069	0.13	<0.1	<0.01	<0.1	0.68	1.0	0.6	1	<0.2
2102314	Rock	0.009	33	<1	<0.01	8	<0.001	<20	0.12	0.120	<0.01	<0.1	<0.01	<0.1	0.83	1.7	<0.5	<1	<0.2
2102315	Rock	0.015	35	2	0.03	7	<0.001	<20	0.11	0.097	<0.01	<0.1	<0.01	<0.1	0.30	2.1	<0.5	1	<0.2
2102316	Rock	0.007	42	3	<0.01	32	<0.001	<20	0.15	0.119	0.05	<0.1	<0.01	<0.1	0.10	0.6	<0.5	2	<0.2
2102317	Rock	0.009	36	2	<0.01	7	<0.001	<20	0.11	0.103	<0.01	<0.1	<0.01	<0.1	0.13	1.2	<0.5	1	<0.2
2102318	Rock	0.008	41	2	<0.01	17	<0.001	<20	0.12	0.115	0.01	<0.1	<0.01	<0.1	0.20	0.7	<0.5	1	<0.2
2102319	Rock	0.013	42	2	<0.01	34	<0.001	<20	0.14	0.105	0.03	<0.1	<0.01	<0.1	0.07	0.8	<0.5	1	<0.2
2102320	Rock	0.013	43	1	<0.01	17	<0.001	<20	0.12	0.078	0.03	<0.1	<0.01	<0.1	<0.05	1.4	0.6	1	<0.2
2102321	Rock	0.013	20	1	<0.01	4	<0.001	<20	0.13	0.087	<0.01	<0.1	0.02	<0.1	<0.05	2.1	<0.5	<1	<0.2
2102322	Rock	0.010	38	1	<0.01	6	<0.001	<20	0.12	0.108	<0.01	<0.1	<0.01	<0.1	0.48	1.3	<0.5	<1	<0.2
2102323	Rock	0.015	41	1	<0.01	16	<0.001	<20	0.12	0.094	0.01	<0.1	<0.01	<0.1	<0.05	2.4	<0.5	<1	<0.2
2102324	Rock	0.016	42	2	<0.01	75	<0.001	<20	0.20	0.091	0.11	<0.1	<0.01	<0.1	0.14	1.2	<0.5	<1	<0.2
2102325	Rock	0.015	61	1	<0.01	3	<0.001	<20	0.12	0.095	<0.01	<0.1	<0.01	<0.1	<0.05	2.0	0.7	<1	<0.2
2102326	Rock	0.017	<1	5	0.18	20	<0.001	<20	0.12	0.007	0.04	<0.1	<0.01	<0.1	<0.05	5.7	<0.5	<1	<0.2

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Project: None Given
Report Date: August 30, 2013

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CERTIFICATE OF ANALYSIS VAN13003070.1

Method		WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
2102327	Rock	1.38	5	<0.1	71.4	0.7	33	<0.1	76.5	23.2	415	2.60	1.4	13.0	0.1	10	<0.1	<0.1	<0.1	58	0.72
2102328	Rock	0.31	163	1.0	138.4	50.5	4299	0.8	4.8	1.5	166	0.97	33.6	27.1	16.1	6	23.3	0.3	0.2	2	0.05
2102329	Rock	0.67	9	0.4	1.5	91.2	61	0.3	1.4	0.4	101	0.87	67.0	8.3	17.5	11	0.3	0.1	0.1	<2	0.09
2102330	Rock	0.80	9	0.2	1.2	48.2	36	0.1	0.5	0.2	28	0.73	30.2	2.2	13.9	7	0.2	0.1	<0.1	<2	0.01
2102331	Rock	0.61	12	0.2	1.1	956.4	19	4.0	1.1	0.3	22	1.64	174.4	15.0	15.0	6	<0.1	1.2	0.9	<2	<0.01
2102332	Rock	0.57	36	0.2	1.7	60.1	19	0.3	0.7	0.3	45	1.23	111.9	15.8	12.2	3	<0.1	0.2	0.1	<2	0.01
2102333	Rock	0.46	11	0.2	1.0	474.6	25	3.6	0.6	0.2	37	0.94	75.6	9.7	2.2	2	<0.1	1.7	2.1	<2	<0.01
2102334	Rock	0.40	9	0.2	2.4	28.1	43	0.3	1.3	0.4	181	0.65	33.3	3.3	16.2	56	0.1	0.3	0.5	<2	0.61
2102335	Rock	0.89	779	1.0	0.6	89.5	7	1.4	3.8	1.0	33	1.00	149.7	3133	2.3	3	0.1	0.2	0.2	<2	<0.01
2102336	Rock	0.46	9	0.1	0.6	96.7	61	0.6	1.8	0.8	198	0.56	7.9	56.1	15.0	2	0.2	0.2	1.0	<2	0.09
2102337	Rock	0.82	7	0.5	1.3	16.4	31	<0.1	0.3	0.3	92	0.73	3.7	1.3	21.7	5	0.1	<0.1	<0.1	<2	0.01
2102338	Rock	0.57	4	0.2	0.6	23.1	12	<0.1	0.6	0.1	26	0.62	35.3	1.6	17.0	6	<0.1	<0.1	<0.1	<2	<0.01
2102339	Rock	0.23	12	0.2	4.1	796.0	145	4.9	0.7	0.2	47	0.92	27.4	10.8	12.0	6	0.8	1.0	4.0	<2	0.01
2102340	Rock	0.56	3	<0.1	<0.1	4.1	2	<0.1	0.6	0.2	34	0.34	2.5	4.1	0.4	<1	<0.1	<0.1	<0.1	<2	<0.01
2102341	Rock	0.53	2	0.7	1.8	36.4	37	0.3	1.1	0.5	180	0.70	1.6	1.8	23.6	59	0.1	0.1	0.5	<2	0.59
2102342	Rock	0.87	9	0.2	1.2	183.7	70	1.5	0.8	0.2	92	0.53	2.4	5.7	0.8	4	0.2	0.9	0.8	<2	0.01
2102343	Rock	0.42	6	0.3	2.4	80.0	111	0.3	2.5	0.7	257	0.65	9.1	2.7	20.0	21	0.6	0.2	0.2	<2	0.49
2102344	Rock	0.35	9	0.7	9.8	22.3	15	0.2	0.9	0.4	45	0.89	60.1	8.9	18.9	6	<0.1	<0.1	0.2	<2	0.02
2102345	Rock	0.70	<2	0.4	2.7	8.4	26	<0.1	2.5	1.5	65	1.58	2.0	<0.5	6.3	4	<0.1	<0.1	<0.1	<2	0.05
2102346	Rock	0.67	<2	0.1	1.3	17.0	40	<0.1	0.5	0.3	141	0.33	1.0	1.3	21.3	23	<0.1	0.2	0.3	<2	0.26
2102347	Rock	0.60	4	0.1	1.4	13.6	13	<0.1	0.5	0.3	44	0.54	2.4	<0.5	17.2	5	<0.1	0.1	0.2	<2	<0.01
2102348	Rock	0.68	5	0.3	0.8	18.3	29	0.1	0.2	0.2	139	0.48	0.9	3.5	14.6	34	0.1	0.2	0.3	<2	0.39
2102349	Rock	0.67	<2	<0.1	8.0	21.8	42	0.1	0.6	0.5	162	0.76	<0.5	1.4	12.7	19	<0.1	0.1	0.3	<2	0.24
2102350	Rock	0.26	5	0.9	6.7	19.3	32	0.1	1.0	0.5	47	0.84	7.1	1.3	13.3	4	0.3	0.2	0.4	<2	0.02
2102351	Rock	0.74	6	0.8	4.3	17.2	7	<0.1	1.0	0.4	29	0.56	8.4	2.2	12.4	4	<0.1	0.2	0.4	<2	<0.01
2102352	Rock	0.54	5	0.4	6.3	15.5	5	<0.1	1.5	0.4	39	0.63	9.4	2.8	11.1	5	<0.1	0.1	0.2	<2	<0.01
2102353	Rock	0.92	7	1.4	3.1	19.4	15	0.1	1.5	0.4	84	0.72	2.1	2.5	13.7	4	<0.1	0.3	0.4	<2	0.01
2102354	Rock	0.53	30	2.5	4.9	25.3	3	0.2	1.1	0.4	35	1.25	15.0	22.4	7.4	5	<0.1	0.4	0.9	<2	<0.01
2102355	Rock	0.56	12	2.1	3.9	14.3	11	<0.1	0.8	0.3	28	0.93	8.9	7.7	8.3	5	<0.1	0.3	0.4	<2	0.01
2102356	Rock	0.69	3	1.0	13.1	14.2	115	<0.1	0.4	0.3	30	0.70	20.9	5.7	14.8	3	1.0	<0.1	0.4	<2	0.01

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Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
2102327	Rock	0.022	<1	137	2.06	18	0.170	<20	1.96	0.031	0.01	<0.1	<0.01	<0.1	<0.05	2.7	<0.5	3	<0.2
2102328	Rock	0.010	28	2	0.03	198	0.003	<20	0.32	0.025	0.19	0.2	0.78	0.1	0.51	1.3	<0.5	<1	<0.2
2102329	Rock	0.009	34	2	0.02	85	0.002	<20	0.28	0.039	0.17	0.1	<0.01	<0.1	0.46	0.8	0.5	<1	<0.2
2102330	Rock	0.009	33	1	<0.01	47	<0.001	<20	0.18	0.058	0.11	<0.1	0.01	<0.1	0.20	0.8	<0.5	<1	<0.2
2102331	Rock	0.010	28	1	0.01	102	0.001	<20	0.26	0.029	0.21	0.2	<0.01	<0.1	0.76	0.9	1.5	<1	0.5
2102332	Rock	0.010	34	2	0.02	67	0.001	<20	0.21	0.031	0.13	<0.1	<0.01	<0.1	<0.05	0.6	<0.5	<1	<0.2
2102333	Rock	0.009	7	2	<0.01	24	<0.001	<20	0.07	0.017	0.04	<0.1	0.04	<0.1	<0.05	0.2	0.9	<1	0.5
2102334	Rock	0.009	34	<1	0.09	145	0.001	<20	0.24	0.041	0.18	<0.1	<0.01	<0.1	0.17	1.1	<0.5	<1	<0.2
2102335	Rock	0.004	6	2	<0.01	46	<0.001	<20	0.08	0.004	0.06	<0.1	0.01	<0.1	0.09	0.3	0.6	<1	<0.2
2102336	Rock	0.009	38	1	0.04	82	0.001	<20	0.27	0.008	0.21	<0.1	<0.01	<0.1	<0.05	1.1	<0.5	<1	<0.2
2102337	Rock	0.012	50	1	<0.01	53	<0.001	<20	0.22	0.049	0.15	<0.1	<0.01	<0.1	<0.05	1.3	<0.5	<1	<0.2
2102338	Rock	0.011	37	2	<0.01	25	<0.001	<20	0.13	0.080	0.04	<0.1	0.01	<0.1	<0.05	0.6	<0.5	<1	<0.2
2102339	Rock	0.013	34	2	<0.01	55	<0.001	<20	0.17	0.051	0.13	<0.1	0.05	<0.1	0.13	0.6	1.7	<1	1.0
2102340	Rock	<0.001	1	<1	<0.01	5	<0.001	<20	0.02	0.005	<0.01	<0.1	<0.01	<0.1	<0.05	0.4	<0.5	<1	<0.2
2102341	Rock	0.015	47	<1	0.24	84	0.001	<20	0.32	0.025	0.26	0.1	<0.01	<0.1	<0.05	1.4	<0.5	1	<0.2
2102342	Rock	0.008	2	2	<0.01	9	<0.001	<20	0.03	0.006	0.02	<0.1	0.03	<0.1	<0.05	0.6	<0.5	<1	0.3
2102343	Rock	0.015	45	1	0.04	74	0.001	<20	0.24	0.056	0.15	0.1	<0.01	<0.1	0.08	1.6	<0.5	<1	<0.2
2102344	Rock	0.009	38	1	<0.01	64	<0.001	<20	0.23	0.053	0.18	<0.1	<0.01	<0.1	0.51	1.0	1.0	<1	<0.2
2102345	Rock	0.008	20	2	0.26	53	<0.001	<20	0.56	0.034	0.10	<0.1	<0.01	0.1	<0.05	1.0	<0.5	2	<0.2
2102346	Rock	0.011	53	<1	0.02	209	0.002	<20	0.28	0.020	0.31	<0.1	<0.01	<0.1	<0.05	1.0	0.5	1	<0.2
2102347	Rock	0.012	43	1	0.01	163	0.001	<20	0.24	0.039	0.22	<0.1	<0.01	<0.1	<0.05	0.9	0.5	<1	<0.2
2102348	Rock	0.008	38	1	0.03	78	0.008	<20	0.26	0.039	0.26	0.2	<0.01	0.1	<0.05	1.2	<0.5	1	<0.2
2102349	Rock	0.020	36	1	0.06	305	0.003	<20	0.25	0.046	0.20	<0.1	<0.01	<0.1	0.17	1.3	0.7	1	<0.2
2102350	Rock	0.010	32	2	<0.01	80	0.002	27	0.25	0.098	0.15	0.1	0.01	<0.1	0.21	0.9	<0.5	<1	<0.2
2102351	Rock	0.008	25	1	<0.01	71	0.001	<20	0.19	0.053	0.12	<0.1	<0.01	<0.1	0.16	0.8	<0.5	<1	<0.2
2102352	Rock	0.007	26	2	<0.01	75	0.001	<20	0.16	0.062	0.11	<0.1	<0.01	<0.1	0.16	0.9	<0.5	<1	<0.2
2102353	Rock	0.010	30	2	<0.01	66	0.002	<20	0.16	0.045	0.14	<0.1	<0.01	<0.1	0.11	0.8	<0.5	<1	<0.2
2102354	Rock	0.012	18	2	<0.01	35	<0.001	<20	0.11	0.061	0.07	<0.1	<0.01	<0.1	0.38	0.6	<0.5	<1	<0.2
2102355	Rock	0.006	20	2	<0.01	43	<0.001	<20	0.13	0.066	0.09	<0.1	<0.01	<0.1	0.50	0.8	<0.5	<1	<0.2
2102356	Rock	0.011	40	1	0.01	115	0.001	<20	0.28	0.053	0.20	0.1	0.03	<0.1	0.06	1.1	<0.5	1	<0.2

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

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Project: None Given
Report Date: August 30, 2013

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CERTIFICATE OF ANALYSIS VAN13003070.1

	Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
2102357	Rock	0.52	7	1.8	8.3	11.0	36	<0.1	0.8	0.5	33	0.88	3.8	0.8	11.2	3	0.4	0.2	0.5	<2	<0.01
2102358	Rock	0.51	2	0.9	8.6	11.2	230	<0.1	1.0	0.5	95	0.53	1.8	<0.5	12.3	8	2.3	<0.1	0.4	<2	0.08
2102359	Rock	0.55	3	0.6	2.6	9.2	36	<0.1	0.9	0.5	74	0.45	8.3	<0.5	10.9	12	0.2	0.1	0.1	<2	0.07
2102360	Rock	0.48	5	0.2	81.9	1.8	44	0.2	113.9	39.5	1033	4.59	126.4	2.8	<0.1	200	<0.1	1.5	<0.1	14	7.80
2102361	Rock	0.66	2	0.4	2.5	67.1	79	<0.1	3.6	0.8	762	1.09	9.5	3.6	<0.1	6	0.8	0.2	<0.1	2	0.35
2102362	Rock	0.75	40	1.4	2.6	2.6	4	<0.1	7.0	3.1	73	1.49	172.0	0.7	2.1	6	<0.1	0.3	<0.1	4	0.03
2102363	Rock	0.41	2	6.7	17.9	6.9	13	<0.1	21.4	5.0	250	1.14	36.2	1.2	16.7	9	<0.1	0.2	<0.1	2	0.23
2102364	Rock	0.33	<2	0.6	4.4	24.3	41	0.2	1.2	0.6	172	0.57	1.5	1.6	15.2	10	<0.1	<0.1	0.3	<2	0.27
2102365	Rock	0.31	3	0.5	2.1	16.3	17	<0.1	0.5	0.2	89	0.28	4.1	0.8	14.3	21	0.1	<0.1	0.3	<2	0.59
2102366	Rock	0.76	2	0.4	2.3	8.0	48	<0.1	3.0	1.0	209	1.57	2.5	<0.5	20.6	29	<0.1	0.1	0.1	<2	0.62
2102367	Rock	0.57	<2	2.7	1.6	16.7	16	<0.1	1.4	0.4	35	0.53	2.0	0.8	12.5	3	<0.1	<0.1	0.1	<2	0.02
2102368	Rock	0.44	3	0.6	13.5	12.8	37	<0.1	1.3	0.6	103	0.94	8.4	<0.5	12.4	13	<0.1	<0.1	<0.1	<2	0.24
2102369	Rock	0.31	<2	0.2	1.8	25.0	43	<0.1	1.2	0.6	109	0.48	2.0	<0.5	18.6	17	0.1	0.2	0.3	<2	0.36
2102370	Rock	0.25	4	0.9	1.5	15.1	34	<0.1	1.2	0.8	88	0.54	1.6	1.4	21.0	8	<0.1	<0.1	0.2	<2	0.31
2102371	Rock	0.38	2	0.1	4.0	7.9	18	<0.1	1.3	0.5	47	0.44	0.5	<0.5	13.2	3	<0.1	<0.1	<0.1	<2	0.02
2102372	Rock	0.31	21	1.7	15.8	19.6	147	0.1	22.9	8.7	52	1.17	30.8	2.7	4.2	26	0.9	3.0	0.1	3	0.39
2102373	Rock	0.31	19	1.9	7.4	24.3	41	0.1	20.6	7.3	51	0.98	32.5	4.3	5.6	32	0.3	2.3	0.1	2	0.58
2102374	Rock	0.38	2	0.9	2.8	12.2	11	<0.1	1.3	0.4	17	0.52	2.4	<0.5	6.6	4	<0.1	0.6	<0.1	<2	0.01
2102375	Rock	0.79	3	0.5	1.9	18.0	18	<0.1	2.0	1.6	77	0.60	4.2	1.3	8.2	39	<0.1	0.2	0.2	<2	0.77
2102376	Rock	0.50	3	0.9	1.7	24.2	7	<0.1	1.0	0.5	20	0.50	8.7	3.5	9.0	6	<0.1	0.2	0.2	<2	0.03
2102377	Rock	0.53	3	0.6	1.7	13.3	2	<0.1	0.7	0.3	22	0.51	14.6	1.7	4.6	3	<0.1	2.0	0.2	<2	<0.01
2102378	Rock	0.41	3	1.4	3.3	22.5	33	<0.1	2.3	1.7	20	0.80	13.5	1.3	10.9	4	<0.1	0.6	0.2	<2	<0.01
2102379	Rock	0.45	<2	1.1	2.7	18.4	6	<0.1	1.2	0.6	27	0.50	9.3	<0.5	5.9	4	<0.1	0.4	0.1	<2	<0.01
2102380	Rock	0.36	4	1.0	5.6	13.8	22	<0.1	7.1	2.6	84	0.61	7.9	1.1	11.7	4	<0.1	0.2	<0.1	<2	0.06
2102381	Rock	0.68	7	1.2	4.8	18.7	11	<0.1	3.9	2.7	33	1.31	10.0	8.8	6.0	3	<0.1	0.5	0.1	<2	0.01
2102382	Rock	0.98	3	1.0	4.0	15.1	28	<0.1	2.1	1.9	30	0.89	8.4	3.6	6.4	3	<0.1	0.8	0.2	<2	<0.01
2102383	Rock	0.44	2	0.7	4.1	21.3	20	<0.1	2.3	1.6	31	0.88	2.4	1.2	10.7	5	<0.1	0.3	0.2	<2	0.03
2102384	Rock	1.17	<2	0.6	1.9	67.6	14	0.1	0.7	1.1	39	0.44	1.7	0.5	9.3	15	<0.1	0.1	0.4	<2	0.14
2102385	Rock	0.56	2	0.8	2.3	16.3	16	<0.1	2.4	1.8	37	0.83	1.7	<0.5	11.7	5	<0.1	0.1	0.2	<2	0.02
2102386	Rock	0.66	5	0.8	2.1	17.7	4	<0.1	1.1	1.2	19	0.64	5.9	3.5	7.4	4	<0.1	0.2	0.1	<2	0.03

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Project: None Given
Report Date: August 30, 2013

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CERTIFICATE OF ANALYSIS VAN13003070.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
2102357	Rock	0.009	28	2	<0.01	89	0.002	<20	0.22	0.042	0.16	0.1	0.03	<0.1	0.10	0.7	<0.5	<1	<0.2
2102358	Rock	0.010	33	1	0.02	78	0.002	<20	0.19	0.052	0.13	<0.1	0.03	<0.1	0.09	0.8	<0.5	<1	<0.2
2102359	Rock	0.008	31	2	<0.01	64	0.001	<20	0.16	0.066	0.10	<0.1	<0.01	<0.1	0.11	0.7	<0.5	<1	<0.2
2102360	Rock	0.020	<1	38	3.81	61	<0.001	<20	0.33	0.010	0.22	<0.1	<0.01	<0.1	0.08	12.4	<0.5	<1	<0.2
2102361	Rock	<0.001	<1	3	0.03	21	<0.001	<20	0.06	0.009	0.02	<0.1	<0.01	<0.1	<0.05	2.2	<0.5	<1	<0.2
2102362	Rock	0.012	8	4	0.02	60	<0.001	<20	0.18	0.012	0.11	<0.1	<0.01	<0.1	0.28	1.2	<0.5	<1	<0.2
2102363	Rock	0.022	53	2	0.07	165	0.001	<20	0.39	0.027	0.20	<0.1	<0.01	<0.1	<0.05	1.5	<0.5	<1	<0.2
2102364	Rock	0.011	46	<1	0.02	48	0.002	<20	0.26	0.031	0.21	<0.1	<0.01	<0.1	<0.05	1.2	<0.5	<1	<0.2
2102365	Rock	0.010	52	2	0.02	64	0.003	<20	0.30	0.017	0.29	0.1	<0.01	<0.1	<0.05	1.0	<0.5	<1	<0.2
2102366	Rock	0.011	61	1	0.22	64	0.010	<20	0.49	0.014	0.44	<0.1	<0.01	0.2	<0.05	1.3	<0.5	1	<0.2
2102367	Rock	0.008	41	2	<0.01	42	0.001	<20	0.25	0.035	0.21	<0.1	<0.01	<0.1	<0.05	0.9	<0.5	<1	<0.2
2102368	Rock	0.009	36	2	0.05	52	0.002	<20	0.20	0.027	0.18	<0.1	<0.01	<0.1	0.11	1.0	<0.5	<1	<0.2
2102369	Rock	0.011	57	1	0.02	63	0.002	<20	0.31	0.027	0.32	<0.1	0.01	0.1	<0.05	1.0	<0.5	<1	<0.2
2102370	Rock	0.012	57	1	0.06	77	0.001	<20	0.38	0.020	0.29	<0.1	<0.01	<0.1	<0.05	0.8	<0.5	<1	<0.2
2102371	Rock	0.009	47	2	0.01	20	0.001	<20	0.21	0.068	0.08	<0.1	<0.01	<0.1	<0.05	0.8	<0.5	<1	<0.2
2102372	Rock	0.027	11	3	0.08	80	0.002	<20	0.24	0.006	0.21	<0.1	0.10	0.3	0.85	0.9	0.6	<1	<0.2
2102373	Rock	0.023	11	2	0.08	90	0.002	<20	0.27	0.006	0.25	<0.1	0.04	0.3	0.74	0.8	<0.5	<1	<0.2
2102374	Rock	0.010	29	1	0.01	71	0.001	<20	0.24	0.069	0.16	<0.1	0.01	0.1	<0.05	0.6	<0.5	<1	<0.2
2102375	Rock	0.009	25	1	0.02	131	0.001	<20	0.27	0.030	0.23	<0.1	0.04	0.4	0.17	0.6	<0.5	<1	<0.2
2102376	Rock	0.009	27	1	<0.01	89	0.001	<20	0.23	0.038	0.20	<0.1	0.06	0.2	0.13	0.6	<0.5	<1	<0.2
2102377	Rock	0.002	13	2	<0.01	127	0.002	<20	0.17	0.046	0.11	<0.1	0.07	0.3	<0.05	0.4	<0.5	<1	<0.2
2102378	Rock	0.011	24	2	0.01	95	0.001	<20	0.31	0.078	0.20	<0.1	0.07	1.1	0.36	0.9	<0.5	<1	<0.2
2102379	Rock	0.003	20	2	<0.01	104	0.001	<20	0.20	0.041	0.18	<0.1	0.08	0.3	0.09	0.4	<0.5	<1	<0.2
2102380	Rock	0.010	34	1	0.02	157	<0.001	<20	0.35	0.009	0.31	<0.1	0.04	0.2	0.07	0.8	<0.5	<1	<0.2
2102381	Rock	0.006	15	1	<0.01	100	0.001	<20	0.20	0.039	0.17	<0.1	0.06	0.5	0.98	0.5	<0.5	<1	<0.2
2102382	Rock	0.007	15	2	<0.01	82	0.001	<20	0.19	0.052	0.13	<0.1	0.24	1.1	0.56	0.5	<0.5	<1	<0.2
2102383	Rock	0.009	21	2	0.03	143	0.002	<20	0.25	0.031	0.20	<0.1	0.03	0.2	0.35	0.6	<0.5	<1	<0.2
2102384	Rock	0.008	25	<1	0.01	124	0.001	<20	0.20	0.046	0.16	<0.1	<0.01	0.1	0.14	0.4	<0.5	<1	<0.2
2102385	Rock	0.010	32	1	0.16	93	0.002	<20	0.35	0.055	0.10	<0.1	<0.01	<0.1	0.17	0.8	<0.5	1	<0.2
2102386	Rock	0.009	17	1	0.01	151	<0.001	<20	0.21	0.033	0.16	<0.1	0.04	0.1	0.34	0.5	<0.5	<1	<0.2

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	Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
2102387	Rock	0.57	3	0.6	4.0	11.7	14	<0.1	3.6	2.1	33	1.12	5.9	1.8	8.9	3	<0.1	0.5	0.2	<2	<0.01
2102388	Rock	0.69	9	2.8	60.3	24.9	158	0.1	71.9	18.8	273	4.88	20.6	1.7	9.2	18	0.2	0.3	0.2	28	0.14
2102389	Rock	0.62	3	1.3	19.7	4.6	90	0.1	24.7	5.1	381	1.56	4.6	0.7	2.6	35	0.8	0.4	<0.1	11	0.41
2102390	Rock	0.46	10	1.6	25.8	18.8	72	0.4	39.8	5.3	30	2.56	32.2	<0.5	8.5	10	<0.1	1.2	0.3	19	0.05
2102391	Rock	0.47	20	3.5	54.0	21.7	195	0.4	46.0	14.6	250	4.11	59.2	0.9	7.5	19	0.6	0.9	0.3	24	0.13
2102392	Rock	0.63	3	0.3	5.0	13.9	34	0.1	2.1	1.5	174	0.79	2.1	1.7	15.8	31	0.1	<0.1	0.2	<2	0.65
2102393	Rock	0.72	<2	0.2	3.4	21.0	29	0.1	1.2	1.4	198	1.02	0.8	<0.5	13.5	7	<0.1	<0.1	0.3	<2	0.34
2102394	Rock	0.66	4	0.2	3.4	28.4	14	<0.1	0.9	0.6	35	0.84	1.9	1.8	14.4	10	<0.1	0.3	0.4	<2	0.03
2102395	Rock	0.52	8	0.2	2.1	11.8	20	<0.1	0.9	0.3	31	0.85	2.1	1.4	15.9	5	<0.1	<0.1	0.1	<2	<0.01
2102396	Rock	0.94	12	0.2	3.3	18.0	22	<0.1	1.0	0.3	41	1.28	7.2	9.2	16.1	4	<0.1	0.1	0.3	<2	<0.01
2102397	Rock	1.19	16	0.2	3.6	7.0	8	<0.1	0.6	0.1	27	0.58	3.2	4.4	16.3	5	<0.1	<0.1	0.1	<2	<0.01
2102398	Rock	1.00	12	0.2	25.6	4.7	12	0.2	37.7	22.6	475	3.88	21.3	12.1	0.4	81	<0.1	0.8	<0.1	20	3.05

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

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Client: **First Americas Gold Corp.**
2323 - 106 West Hastings Street
Vancouver BC V6E 3X2 CANADA

Project: None Given
Report Date: August 30, 2013

Page: 10 of 10 Part: 2 of 2

CERTIFICATE OF ANALYSIS VAN13003070.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
2102387	Rock	0.009	30	2	0.02	147	0.002	<20	0.27	0.033	0.08	<0.1	0.01	<0.1	<0.05	1.2	<0.5	<1	<0.2
2102388	Rock	0.090	14	32	0.94	71	0.002	<20	2.21	0.006	0.22	<0.1	0.02	<0.1	0.27	2.2	1.3	5	<0.2
2102389	Rock	0.120	9	5	0.03	71	0.002	<20	0.22	0.005	0.12	<0.1	<0.01	<0.1	0.09	1.0	0.7	<1	<0.2
2102390	Rock	0.064	11	23	0.47	165	0.001	<20	1.39	0.004	0.28	<0.1	0.03	<0.1	0.38	1.8	0.9	5	<0.2
2102391	Rock	0.108	15	19	0.54	105	<0.001	<20	1.32	0.004	0.22	<0.1	0.03	<0.1	0.10	2.4	2.1	4	<0.2
2102392	Rock	0.016	45	<1	0.13	163	<0.001	<20	0.29	0.006	0.24	<0.1	<0.01	<0.1	0.09	0.8	<0.5	2	<0.2
2102393	Rock	0.009	37	1	0.04	149	<0.001	<20	0.29	0.005	0.19	<0.1	<0.01	<0.1	<0.05	0.8	<0.5	1	<0.2
2102394	Rock	0.014	42	1	0.02	281	<0.001	<20	0.30	0.015	0.27	<0.1	0.01	<0.1	<0.05	0.5	<0.5	2	<0.2
2102395	Rock	0.012	41	2	<0.01	50	<0.001	<20	0.09	0.074	0.02	<0.1	<0.01	<0.1	<0.05	2.2	<0.5	1	<0.2
2102396	Rock	0.015	50	1	<0.01	14	<0.001	<20	0.10	0.071	0.01	<0.1	<0.01	<0.1	<0.05	3.5	<0.5	1	<0.2
2102397	Rock	0.013	44	1	<0.01	19	<0.001	<20	0.14	0.066	0.02	<0.1	<0.01	<0.1	<0.05	1.2	<0.5	1	<0.2
2102398	Rock	0.048	1	22	1.80	68	<0.001	<20	0.47	0.033	0.09	<0.1	<0.01	<0.1	2.65	6.6	4.2	1	<0.2

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Project: None Given
Report Date: August 30, 2013

Page: 1 of 4 Part: 1 of 2

QUALITY CONTROL REPORT VAN13003070.1

	Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
2102157	Rock	0.81	7	0.2	1.2	4.3	2	<0.1	0.8	0.2	25	0.79	5.9	1.8	18.9	8	<0.1	<0.1	0.1	<2	<0.01
REP 2102157	QC			0.2	1.4	4.7	2	<0.1	0.7	0.2	23	0.76	6.8	7.5	19.3	8	<0.1	<0.1	<0.1	<2	<0.01
2102192	Rock	0.53	<2	0.7	1.3	18.8	22	<0.1	0.9	0.2	48	0.68	1.4	<0.5	19.5	3	<0.1	<0.1	0.2	<2	<0.01
REP 2102192	QC			0.6	1.7	19.1	24	<0.1	0.7	0.2	50	0.68	2.0	1.5	20.6	3	<0.1	<0.1	0.2	<2	<0.01
2102227	Rock	0.62	3	1.0	1.2	77.3	25	0.2	0.6	0.2	43	0.87	62.4	4.8	16.7	5	<0.1	0.1	0.3	4	0.01
REP 2102227	QC			0.9	1.3	80.1	25	0.2	0.6	0.2	43	0.87	65.9	<0.5	16.6	5	<0.1	0.2	0.3	4	<0.01
2102245	Rock	0.65	<2	0.1	1.5	10.4	13	<0.1	2.1	1.1	119	0.64	1.4	0.7	18.2	5	<0.1	<0.1	0.1	<2	0.01
REP 2102245	QC		<2																		
2102262	Rock	0.47	14	0.4	1.1	5.9	9	<0.1	1.1	0.5	119	0.93	2.3	9.2	14.4	7	<0.1	<0.1	<0.1	<2	<0.01
REP 2102262	QC			0.3	1.0	5.8	10	<0.1	0.9	0.5	121	0.94	3.0	7.6	14.4	8	<0.1	<0.1	<0.1	<2	<0.01
2102297	Rock	1.64	8	0.5	2.0	35.2	12	0.2	1.5	0.1	27	0.50	8.5	2.6	16.7	2	<0.1	<0.1	0.2	<2	<0.01
REP 2102297	QC			0.5	1.9	32.7	10	0.1	1.1	0.1	28	0.50	7.3	2.0	15.6	2	<0.1	<0.1	0.2	<2	<0.01
2102332	Rock	0.57	36	0.2	1.7	60.1	19	0.3	0.7	0.3	45	1.23	111.9	15.8	12.2	3	<0.1	0.2	0.1	<2	0.01
REP 2102332	QC			0.3	1.4	64.6	18	0.2	1.0	0.3	49	1.28	110.1	17.6	12.2	3	<0.1	0.2	0.1	<2	0.01
2102334	Rock	0.40	9	0.2	2.4	28.1	43	0.3	1.3	0.4	181	0.65	33.3	3.3	16.2	56	0.1	0.3	0.5	<2	0.61
REP 2102334	QC		9																		
2102367	Rock	0.57	<2	2.7	1.6	16.7	16	<0.1	1.4	0.4	35	0.53	2.0	0.8	12.5	3	<0.1	<0.1	0.1	<2	0.02
REP 2102367	QC			3.2	1.6	15.7	16	<0.1	1.4	0.4	38	0.56	2.3	<0.5	12.0	4	<0.1	<0.1	0.1	<2	0.02
2102368	Rock	0.44	3	0.6	13.5	12.8	37	<0.1	1.3	0.6	103	0.94	8.4	<0.5	12.4	13	<0.1	<0.1	<0.1	<2	0.24
REP 2102368	QC		2																		
2102398	Rock	1.00	12	0.2	25.6	4.7	12	0.2	37.7	22.6	475	3.88	21.3	12.1	0.4	81	<0.1	0.8	<0.1	20	3.05
REP 2102398	QC		13	0.2	24.9	4.8	11	0.3	37.0	22.2	463	3.78	20.5	9.8	0.4	83	<0.1	0.9	<0.1	20	3.00
REP 2102211	QC		397																		
REP 2102279	QC		457																		
REP 2102300	QC		49																		
Core Reject Duplicates																					
2102180	Rock	0.73	743	0.3	1.6	63.9	2	0.5	0.4	<0.1	28	1.24	71.2	1168	11.3	8	<0.1	0.5	1.0	<2	<0.01
DUP 2102180	QC		692	0.3	1.6	64.0	2	0.4	0.3	0.1	26	1.23	68.7	1098	10.7	7	<0.1	0.7	1.0	<2	<0.01

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Project: None Given
Report Date: August 30, 2013

Page: 1 of 4 Part: 2 of 2

QUALITY CONTROL REPORT VAN13003070.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
Pulp Duplicates																			
2102157	Rock	0.013	54	2	<0.01	16	0.001	<20	0.13	0.109	<0.01	<0.1	<0.01	<0.1	0.27	1.0	<0.5	<1	<0.2
REP 2102157	QC	0.013	56	2	<0.01	17	<0.001	<20	0.14	0.108	<0.01	<0.1	<0.01	<0.1	0.27	1.0	<0.5	<1	<0.2
2102192	Rock	0.017	51	2	<0.01	157	0.001	<20	0.25	0.021	0.25	<0.1	0.01	<0.1	<0.05	0.6	<0.5	<1	<0.2
REP 2102192	QC	0.017	51	1	<0.01	167	0.001	<20	0.26	0.020	0.25	<0.1	<0.01	<0.1	<0.05	0.8	<0.5	<1	<0.2
2102227	Rock	0.012	41	1	0.01	80	<0.001	<20	0.24	0.028	0.19	0.1	<0.01	<0.1	0.08	1.1	<0.5	1	<0.2
REP 2102227	QC	0.012	43	<1	0.01	80	<0.001	<20	0.26	0.028	0.20	0.1	0.01	<0.1	0.08	1.1	<0.5	<1	<0.2
2102245	Rock	0.013	44	2	<0.01	79	0.001	<20	0.25	0.040	0.21	<0.1	<0.01	<0.1	<0.05	1.2	<0.5	<1	<0.2
REP 2102245	QC																		
2102262	Rock	0.012	36	2	<0.01	37	<0.001	<20	0.16	0.074	<0.01	<0.1	<0.01	<0.1	<0.05	5.6	<0.5	<1	<0.2
REP 2102262	QC	0.011	37	2	<0.01	37	<0.001	<20	0.16	0.076	<0.01	<0.1	<0.01	<0.1	<0.05	5.1	<0.5	<1	<0.2
2102297	Rock	0.012	39	1	<0.01	73	<0.001	<20	0.33	0.045	0.10	<0.1	<0.01	<0.1	<0.05	1.4	<0.5	2	<0.2
REP 2102297	QC	0.012	37	2	<0.01	71	<0.001	<20	0.33	0.046	0.10	<0.1	<0.01	<0.1	<0.05	1.3	<0.5	1	<0.2
2102332	Rock	0.010	34	2	0.02	67	0.001	<20	0.21	0.031	0.13	<0.1	<0.01	<0.1	<0.05	0.6	<0.5	<1	<0.2
REP 2102332	QC	0.010	34	2	0.02	68	0.001	<20	0.20	0.032	0.13	0.1	<0.01	<0.1	<0.05	0.7	0.5	<1	<0.2
2102334	Rock	0.009	34	<1	0.09	145	0.001	<20	0.24	0.041	0.18	<0.1	<0.01	<0.1	0.17	1.1	<0.5	<1	<0.2
REP 2102334	QC																		
2102367	Rock	0.008	41	2	<0.01	42	0.001	<20	0.25	0.035	0.21	<0.1	<0.01	<0.1	<0.05	0.9	<0.5	<1	<0.2
REP 2102367	QC	0.009	39	2	<0.01	43	0.001	<20	0.25	0.035	0.21	<0.1	<0.01	<0.1	<0.05	0.8	<0.5	<1	<0.2
2102368	Rock	0.009	36	2	0.05	52	0.002	<20	0.20	0.027	0.18	<0.1	<0.01	<0.1	0.11	1.0	<0.5	<1	<0.2
REP 2102368	QC																		
2102398	Rock	0.048	1	22	1.80	68	<0.001	<20	0.47	0.033	0.09	<0.1	<0.01	<0.1	2.65	6.6	4.2	1	<0.2
REP 2102398	QC	0.045	1	21	1.77	79	<0.001	<20	0.45	0.032	0.09	<0.1	<0.01	<0.1	2.62	6.4	4.0	1	<0.2
REP 2102211	QC																		
REP 2102279	QC																		
REP 2102300	QC																		
Core Reject Duplicates																			
2102180	Rock	0.016	35	2	<0.01	35	0.001	<20	0.15	0.108	0.06	<0.1	<0.01	<0.1	0.21	1.9	0.6	<1	<0.2
DUP 2102180	QC	0.016	32	2	<0.01	36	<0.001	<20	0.14	0.098	0.06	<0.1	0.01	<0.1	0.21	1.8	<0.5	<1	<0.2

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Project: None Given
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Page: 2 of 4 Part: 1 of 2

QUALITY CONTROL REPORT VAN13003070.1

		WGHT Wgt kg 0.01	3B Au ppb 2	1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01
2102214	Rock	1.03	117	<0.1	0.8	3.2	2	<0.1	0.5	0.2	24	0.68	2.4	15.6	15.1	5	<0.1	<0.1	<0.1	<2	<0.01
DUP 2102214	QC		68	<0.1	0.7	3.4	1	<0.1	0.4	0.2	23	0.64	1.6	34.8	16.3	5	<0.1	<0.1	<0.1	<2	<0.01
2102248	Rock	0.77	23	<0.1	0.7	1.8	2	<0.1	0.7	0.2	25	0.81	7.0	42.5	15.0	3	<0.1	<0.1	<0.1	<2	<0.01
DUP 2102248	QC		31	<0.1	1.2	1.7	2	<0.1	0.6	0.2	29	0.81	6.6	18.8	14.5	3	<0.1	<0.1	<0.1	<2	<0.01
2102282	Rock	1.45	177	0.4	1.9	6.6	3	<0.1	0.7	0.1	24	0.95	144.5	66.0	19.8	4	<0.1	0.2	0.1	<2	<0.01
DUP 2102282	QC		157	0.5	1.7	7.2	3	0.1	0.3	0.1	21	0.94	155.0	73.3	19.6	3	<0.1	0.3	0.1	<2	<0.01
2102316	Rock	0.44	622	<0.1	1.4	15.5	3	0.2	0.6	0.1	29	0.78	10.3	264.1	13.9	6	<0.1	<0.1	0.3	<2	<0.01
DUP 2102316	QC		560	<0.1	1.3	14.9	3	0.3	0.8	0.1	29	0.78	10.0	415.7	13.7	6	<0.1	<0.1	0.3	<2	<0.01
2102350	Rock	0.26	5	0.9	6.7	19.3	32	0.1	1.0	0.5	47	0.84	7.1	1.3	13.3	4	0.3	0.2	0.4	<2	0.02
DUP 2102350	QC		5	0.8	4.8	18.3	32	0.1	0.8	0.4	42	0.79	6.8	5.3	13.3	4	0.3	0.2	0.4	<2	<0.01
2102384	Rock	1.17	<2	0.6	1.9	67.6	14	0.1	0.7	1.1	39	0.44	1.7	0.5	9.3	15	<0.1	0.1	0.4	<2	0.14
DUP 2102384	QC		<2	0.4	2.0	63.8	13	0.1	0.6	1.2	41	0.44	1.6	<0.5	9.0	16	<0.1	0.1	0.4	<2	0.14
Reference Materials																					
STD DS9	Standard			13.5	100.2	117.5	328	2.0	41.4	8.0	593	2.42	25.6	117.3	5.7	67	2.3	4.3	6.2	41	0.75
STD DS9	Standard			13.8	105.3	130.3	306	1.7	40.1	7.5	570	2.31	25.9	91.7	6.0	74	2.5	4.6	5.9	41	0.70
STD DS9	Standard			13.7	109.3	134.2	313	1.8	41.4	8.5	603	2.38	25.4	124.4	6.0	76	2.2	4.8	6.0	41	0.74
STD DS9	Standard			13.8	116.8	135.1	336	1.7	43.8	7.9	612	2.40	26.7	100.6	6.7	76	2.2	4.6	5.8	41	0.73
STD DS9	Standard			12.0	105.7	128.8	304	1.7	37.2	7.4	593	2.31	24.6	122.2	6.6	72	2.2	4.4	7.2	41	0.71
STD DS9	Standard			11.9	106.9	129.1	301	1.6	39.2	7.3	584	2.28	25.5	216.0	5.8	67	2.1	4.6	7.0	39	0.68
STD DS9	Standard			12.3	107.3	128.1	311	1.8	40.4	7.7	615	2.42	25.2	155.7	6.4	74	2.3	4.5	6.5	43	0.74
STD DS9	Standard			12.2	102.7	119.6	314	1.9	42.2	8.2	620	2.45	22.9	201.5	5.9	68	2.0	4.0	6.0	41	0.75
STD OREAS45EA	Standard			1.5	678.7	13.5	30	0.3	375.3	50.7	384	24.10	9.7	50.8	9.6	3	<0.1	0.1	0.3	295	0.04
STD OREAS45EA	Standard			1.6	667.2	13.8	28	0.2	365.3	51.8	378	23.41	9.2	48.6	10.0	4	<0.1	0.2	0.3	289	0.04
STD OREAS45EA	Standard			1.0	704.2	14.8	29	0.3	371.8	50.9	389	23.35	8.7	63.6	10.8	4	<0.1	0.2	0.2	306	0.03
STD OREAS45EA	Standard			1.6	711.2	14.0	30	0.2	384.6	53.8	402	23.44	10.1	51.6	9.9	4	<0.1	0.2	0.2	302	0.04
STD OREAS45EA	Standard			1.3	688.0	13.1	30	0.3	381.0	50.1	396	24.03	8.1	63.0	10.1	4	<0.1	0.2	0.3	309	0.04
STD OREAS45EA	Standard			1.2	630.5	14.5	27	0.2	337.2	46.8	387	21.58	6.5	51.9	10.1	4	<0.1	0.2	0.3	288	0.03
STD OREAS45EA	Standard			1.3	691.9	14.6	29	0.3	376.3	51.7	406	24.02	8.7	65.0	10.1	4	<0.1	0.2	0.2	309	0.04
STD OREAS45EA	Standard			1.3	716.2	13.3	28	0.3	389.2	52.7	406	23.87	8.7	58.6	9.3	3	<0.1	0.1	0.2	302	0.03

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

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Client: **First Americas Gold Corp.**
2323 - 106 West Hastings Street
Vancouver BC V6E 3X2 CANADA

Project: None Given
Report Date: August 30, 2013

Page: 2 of 4 Part: 2 of 2

QUALITY CONTROL REPORT VAN13003070.1

		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
2102214	Rock	0.012	35	2	<0.01	19	<0.001	<20	0.15	0.113	<0.01	<0.1	<0.01	<0.1	0.16	1.3	<0.5	<1	<0.2
DUP 2102214	QC	0.012	35	1	<0.01	19	<0.001	<20	0.16	0.117	<0.01	<0.1	<0.01	<0.1	0.17	1.3	<0.5	<1	<0.2
2102248	Rock	0.008	30	1	<0.01	5	<0.001	<20	0.13	0.086	<0.01	<0.1	<0.01	<0.1	0.06	1.2	<0.5	<1	<0.2
DUP 2102248	QC	0.009	31	1	<0.01	5	<0.001	<20	0.14	0.092	<0.01	<0.1	<0.01	<0.1	0.06	1.4	<0.5	<1	<0.2
2102282	Rock	0.011	42	1	<0.01	116	<0.001	<20	0.23	0.079	0.06	<0.1	<0.01	<0.1	<0.05	1.5	<0.5	<1	<0.2
DUP 2102282	QC	0.010	43	1	<0.01	118	<0.001	<20	0.21	0.069	0.06	<0.1	0.01	<0.1	<0.05	1.2	<0.5	1	<0.2
2102316	Rock	0.007	42	3	<0.01	32	<0.001	<20	0.15	0.119	0.05	<0.1	<0.01	<0.1	0.10	0.6	<0.5	2	<0.2
DUP 2102316	QC	0.008	42	3	<0.01	33	<0.001	<20	0.16	0.118	0.05	<0.1	<0.01	<0.1	0.10	0.7	<0.5	1	<0.2
2102350	Rock	0.010	32	2	<0.01	80	0.002	27	0.25	0.098	0.15	0.1	0.01	<0.1	0.21	0.9	<0.5	<1	<0.2
DUP 2102350	QC	0.010	30	1	<0.01	79	0.002	<20	0.24	0.093	0.15	<0.1	<0.01	<0.1	0.19	0.8	<0.5	<1	<0.2
2102384	Rock	0.008	25	<1	0.01	124	0.001	<20	0.20	0.046	0.16	<0.1	<0.01	0.1	0.14	0.4	<0.5	<1	<0.2
DUP 2102384	QC	0.008	24	<1	0.01	113	0.001	<20	0.19	0.045	0.16	<0.1	<0.01	<0.1	0.14	0.4	<0.5	<1	<0.2
Reference Materials																			
STD DS9	Standard	0.079	12	120	0.64	324	0.102	<20	0.98	0.084	0.41	2.9	0.18	5.6	0.17	2.5	5.4	5	5.2
STD DS9	Standard	0.083	12	119	0.60	319	0.106	<20	0.93	0.080	0.39	2.9	0.18	4.9	0.17	2.5	4.7	4	5.0
STD DS9	Standard	0.082	14	120	0.62	330	0.110	<20	0.96	0.085	0.40	2.8	0.18	5.0	0.17	2.6	4.8	5	4.7
STD DS9	Standard	0.083	13	126	0.63	329	0.115	<20	0.97	0.085	0.41	2.7	0.16	5.0	0.17	2.5	7.0	4	5.0
STD DS9	Standard	0.086	13	113	0.61	316	0.109	<20	0.94	0.080	0.39	2.8	0.20	5.1	0.16	2.7	4.9	5	5.9
STD DS9	Standard	0.082	11	112	0.60	312	0.097	<20	0.89	0.073	0.39	3.2	0.17	5.0	0.16	2.2	5.5	4	4.4
STD DS9	Standard	0.088	13	120	0.64	334	0.116	<20	0.98	0.086	0.41	3.2	0.21	5.5	0.17	2.4	5.9	4	5.1
STD DS9	Standard	0.078	12	123	0.64	330	0.104	<20	0.98	0.088	0.41	2.5	0.17	5.5	0.17	2.5	5.3	5	5.2
STD OREAS45EA	Standard	0.028	6	938	0.09	144	0.082	<20	3.17	0.018	0.05	<0.1	<0.01	0.1	<0.05	81.8	0.8	13	<0.2
STD OREAS45EA	Standard	0.026	7	830	0.09	144	0.088	<20	3.02	0.014	0.05	<0.1	<0.01	<0.1	<0.05	77.0	0.8	11	<0.2
STD OREAS45EA	Standard	0.027	7	830	0.10	160	0.094	<20	3.06	0.020	0.05	<0.1	<0.01	<0.1	<0.05	80.6	<0.5	12	<0.2
STD OREAS45EA	Standard	0.027	7	837	0.10	145	0.094	<20	3.14	0.024	0.05	<0.1	<0.01	<0.1	<0.05	82.8	0.7	12	<0.2
STD OREAS45EA	Standard	0.031	7	795	0.10	140	0.087	<20	3.15	0.019	0.05	<0.1	<0.01	<0.1	<0.05	75.2	1.7	12	0.2
STD OREAS45EA	Standard	0.026	6	761	0.09	143	0.082	<20	2.65	0.019	0.05	<0.1	<0.01	<0.1	<0.05	68.6	<0.5	11	<0.2
STD OREAS45EA	Standard	0.029	7	847	0.11	155	0.095	<20	3.12	0.021	0.05	<0.1	0.02	<0.1	<0.05	80.9	<0.5	12	<0.2
STD OREAS45EA	Standard	0.029	6	978	0.10	150	0.086	<20	3.22	0.024	0.05	<0.1	<0.01	<0.1	<0.05	79.8	0.5	12	<0.2

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Client: **First Americas Gold Corp.**
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Vancouver BC V6E 3X2 CANADA

Project: None Given
Report Date: August 30, 2013

Page: 3 of 4 Part: 1 of 2

QUALITY CONTROL REPORT VAN13003070.1

		WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
STD OXC109	Standard		200																		
STD OXC109	Standard		205																		
STD OXC109	Standard		205																		
STD OXC109	Standard		203																		
STD OXC109	Standard		205																		
STD OXC109	Standard		190																		
STD OXC109	Standard		198																		
STD OXC109	Standard		200																		
STD OXC109	Standard		187																		
STD OXC109	Standard		201																		
STD OXI96	Standard		1793																		
STD OXI96	Standard		1851																		
STD OXI96	Standard		1834																		
STD OXI96	Standard		1768																		
STD OXI96	Standard		1910																		
STD OXI96	Standard		1814																		
STD OXI96	Standard		1810																		
STD OXI96	Standard		1697																		
STD OXI96 Expected			1802																		
STD DS9 Expected				12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD OREAS45EA Expected				1.78	709	14.3	30.6	0.311	357	52	400	22.65	11.4	53	10.7	4.05	0.03	0.64	0.26	295	0.032
STD OXC109 Expected			201																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		2																		
BLK	Blank		<2																		
BLK	Blank		2																		
BLK	Blank		<2																		
BLK	Blank		3																		

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Project: None Given
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QUALITY CONTROL REPORT VAN13003070.1

		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
STD OXC109	Standard																		
STD OXC109	Standard																		
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STD OXC109	Standard																		
STD OXI96	Standard																		
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STD OXI96	Standard																		
STD OXI96	Standard																		
STD OXI96	Standard																		
STD OXI96	Standard																		
STD OXI96	Standard																		
STD OXI96	Standard																		
STD OXI96 Expected																			
STD DS9 Expected		0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	0.2	5.3	0.1615	2.5	5.2	4.59	5.02
STD OREAS45EA Expected		0.029	8.19	849	0.095	148	0.106		3.32	0.027	0.053		0.34	0.072	0.044	78	2.09	11.7	0.11
STD OXC109 Expected																			
BLK	Blank																		
BLK	Blank																		
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QUALITY CONTROL REPORT VAN13003070.1

		WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
BLK	Blank		3																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	0.4	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<2																		
Prep Wash																					
G1	Prep Blank		<2	<0.1	2.8	3.7	45	<0.1	2.8	4.1	579	1.94	<0.5	2.4	5.7	66	<0.1	<0.1	0.1	38	0.48
G1	Prep Blank		2	<0.1	2.5	3.6	47	<0.1	2.2	4.0	613	2.04	<0.5	2.2	6.0	70	<0.1	<0.1	<0.1	40	0.49

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Project: None Given
Report Date: August 30, 2013

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QUALITY CONTROL REPORT VAN13003070.1

		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	0.1	<0.5	<1	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	0.1	<0.5	<1	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	0.1	<0.5	<1	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
BLK	Blank																		
Prep Wash																			
G1	Prep Blank	0.066	13	5	0.52	161	0.133	<20	0.98	0.103	0.51	<0.1	<0.01	0.3	<0.05	2.3	<0.5	5	<0.2
G1	Prep Blank	0.068	16	5	0.51	175	0.131	<20	1.01	0.112	0.51	<0.1	<0.01	0.3	<0.05	2.4	<0.5	5	<0.2