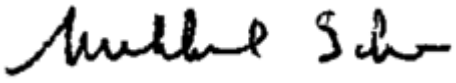
ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: Assessment Report for Flan-Consolidated Group ; (Tenures , 509012, 513281, 543699, 553495, 590156, 943829, 1013900 and 1015862) More petrologic data, lithochemistry, SWIR, and soil geochemistry focusing on south west facing slope of Mt Adam

TOTAL COST: 6,000.00

AUTHOR(S):Mikkel Schau PhD P.Geo.

SIGNATURE(S): 

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): NA
STATEMENT OF WORK EVENT NUMBER(S)/DATE(S):SOW-M (5473110) 2013 Oct 19 21:29:31

YEAR OF WORK:2013

PROPERTY NAME:FLAN Consolidated

CLAIM NAME(S) (on which work was done):

Mainly in 553495

COMMODITIES SOUGHT:Au

MINERAL INVENTORY MINFILE NUMBER(S),IF KNOWN: Minfile showing 092L 288

MINING DIVISION: Nanaimo Mining Division
NTS / BCGS:092L/01
LATITUDE: ___50_____° _____06____’ _____09_____"
LONGITUDE: ____126_____° ___15_____’ ____27_____" (at centre of work)
UTM Zone: EASTING: NORTHING:

OWNER(S):Mikkel Schau

MAILING ADDRESS:
3919 Woodhaven Terrace
Victoria BC V8N 1S7

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

MAILING ADDRESS:
3919 Woodhaven Terrace
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REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude. **Do not use abbreviations or codes**)
Diabase breccia, sediment-sill unit, Karmutsen Basalts, Schoen Lake stock, Island Intrusions, Triassic Jurassic, Brecciated, faulted, illite-Fe-Chlorite-quartz-pyrite alteration, gold associated with sulphides (pyrite=/- arsenopyrite, 30 m chip sample average 2 ppm Au (Fire Assay) possibly breccia pipe?

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:
23546, 26793, 27311, 28382, 29360, 29551, 30009 30471, 31046, 31679, 31786, 32654, 33661,

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for …)			
Soil (1DX1, acme	27 ICP-MS	509012	1000
Silt			
Rock $A=B, Acme	15 WholeRock, majors and rock trace elements ICP-MS	553495	2250
Other-PIMA by Heberlein	47 samples at 23 sites	553495	1250
DRILLING (total metres, number of holes, size, storage location)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling / Assaying			
Petrographic			
Mineralographic	5 Polished thin sections	553495	1500
Metallurgic			
PROSPECTING (scale/area)			
PREPATORY / PHYSICAL			
Line/grid (km)			
Topo/Photogrammetric (scale, area)			
Legal Surveys (scale, area)			
Road, local access (km)/trail			
Trench (number/metres)			
Underground development (metres)			
Other			
		TOTAL COST	6000

Assessment Report for Flan-Consolidated Group

(Tenures 507295, 509012, 513281, 543699, 553495, 590156, 943829, 1013900 and 1015862)

More petrologic data, lithochemistry, SWIR, and soil geochemistry

focusing on

south west facing slope of Mt Adam

at 50 deg 06 min 9 sec North and 126 deg 15 min 27 sec West

in

092L/01

Nanaimo Mining Division

for

Mikkel Schau

by

Mikkel Schau, P.Geo.

for

October 22, 2013

SUMMARY

The Flan-Consolidated claims overlie several gold showings.

A/ An in situ mainly dacite, breccia with sericite/illite-Fe-chlorite-pyrite alteration and a 21 m chip sample showing an average of 1.5 ppm Au/mt (AR33661).

B/ Several nearby localities with in situ grab samples with up to 6 gm Au/mt in breccia and host rocks in Heart region (AR33661).

C/ In situ local thin massive sulphide layers and alteration products with up to 6 gm Au/mt. in Rubicon region (AR 33661).

D/ Down hill, and downstream, near junction of Jackpot Creek and Schoen Creek, small polymetallic veins with anomalous gold, as well as a 50 m wide surficial section along a logging road, with local boulder sized, fragments in basal till, carrying up to 135 gm/mt Au (AR29360 and AR30009).

The claims are located within the Schoen Creek drainage basin, south of Schoen Lake Provincial Park on northern Vancouver Island. Claims are reached by active logging roads, both from the road to Gold River and by logging roads up the Kokummi Creek in White River drainage. It is near deep water ports at Kelsey Bay and Port McNeil, and a short distance from truck transportation along Highway 19.

Mineral rights to the claims covering 3,460.684 ha. are held by Mikkel Schau, free miner 142134.

New work reported herein is concentrated on mineralogy and alteration on samples collected and previously reported in assessment report AR 33661. New whole rock and ultra trace elements are reported as are PIMA analyses of selected samples. Previously non-analyzed soil samples from a grid (AR30009) collected in 2009 have been analyzed to better understand the secondary distribution of Au.

These new data indicate the alteration of the gold bearing rocks on the south west facing slopes of Mt Adam are possibly suggestive of the upper part of a porphyry system. The source of the high grade samples collected from the original basal till showing, located below these slopes, remains to be located.

The claims continue to have merit and a comprehensive exploration effort is recommended.

Table of Contents

Introduction

Ongoing work in the Flan-Consolidated Claim Block covering the Schoen Creek drainage basin south of Schoen Lake Provincial Park on Northern Vancouver Island, is concentrating on locating and characterizing *in situ* mineralized breccias on the southwest facing slopes of Mt Adam. This report focuses on better characterizing the mineralized samples previously collected in 2012 work (cf AR 33661).

Property location, access and title

The original Flan Showing (recently accorded Minfile Status 092L 288) is found in tenure 509012 and the newer Mount Adam showings are found in tenure 553495 within the Flan-Consolidated Claims located on Northern Vancouver Island and in the Nanaimo Mining District jurisdiction. The Flan-Consolidated Group claims cover the drainage area of most of the Schoen Creek valley about 30 km east-southeast of Woss, on Vancouver Island B.C. (Figures 1, 2). They are located in the Vancouver Island Ranges within NTS 092L/01 (or 92L019 and 92L009) and are centred at approximately 50 deg 06 min 9 sec North and 126 deg 15 min 27 sec min West (Fig. 2, 3).

Access to the claims can be had via two different routes. ***One****,* the more convenient, is via a logging main (towards Gold River) branching off the Island Highway and continuing along subsidiary logging roads south of Davies River, passing through Schoen Lake Provincial Park, south of the lake, into the area of interest. This road proceeds south (upstream) along the west side of the creek until, several km along, the road splits and several parts of the claims are accessible. The western part of the claim block is entered before the park is traversed, up the logging main labelled “Club” road. ***Another*** way to access the claims is via the upper Adam Main logging road system, eventually driving up a side road to the head of Kokummi Creek. This road is well constructed, save a washed out bridge near the mouth of Kokummi creek, but is passable with a four wheel drive vehicle. This route is probably the best for accessing the higher parts of the eastern section of the claim block,

Claims of FLAN-Consolidated:

Tenure Number	New Good to Date (Y-M-D)	Ownership	Area, ha.
507295	2018-10-10	100% Schau	517.912
509012	2019-11-18	100% Schau	165.753
513281	2018-10-10	100% Schau	497.218
543699	2018-05-10	100% Schau	227.868
553495	2019-01-10	100% Schau	518.106
590156	2019-01-10	100% Schau	518.087
943829	2015-01-28	100%Schau	518.3
1013900	2015-10-22	100% Schau	373.04
1015862	2015-01-10	100% Schau	124.4

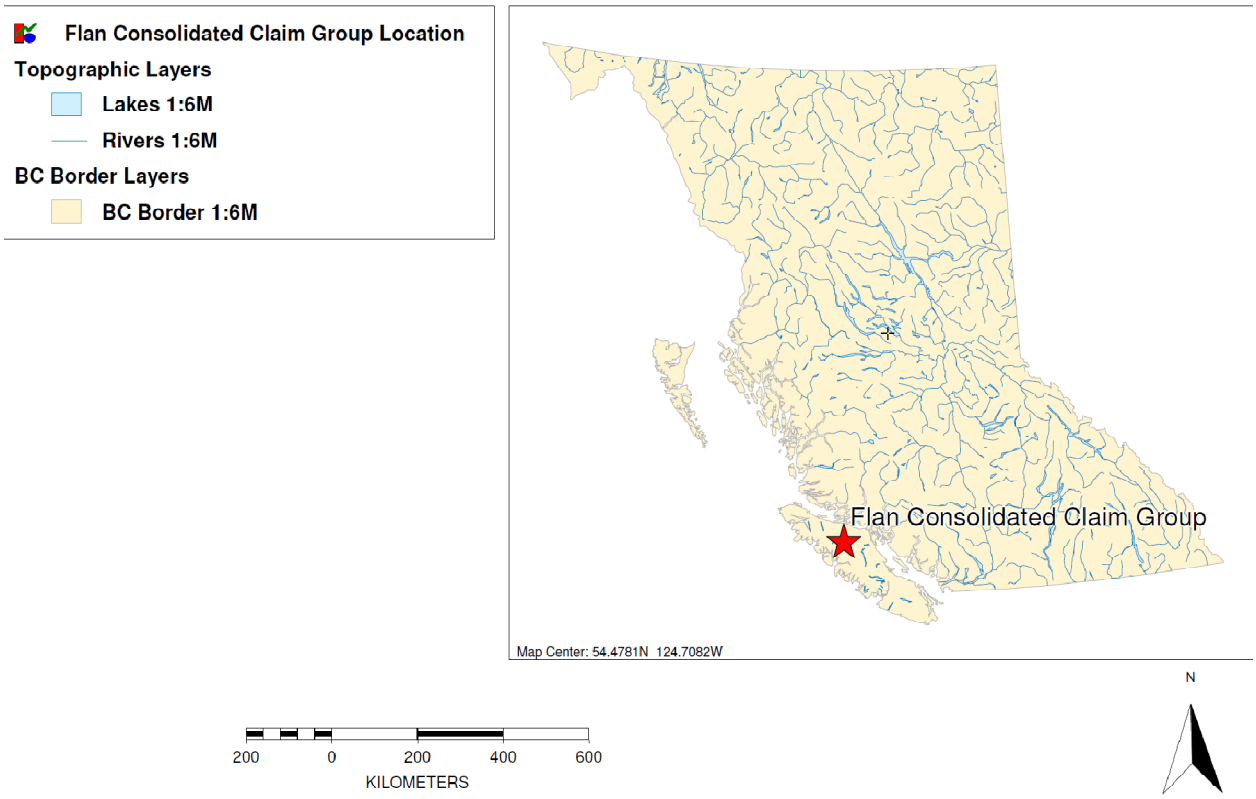
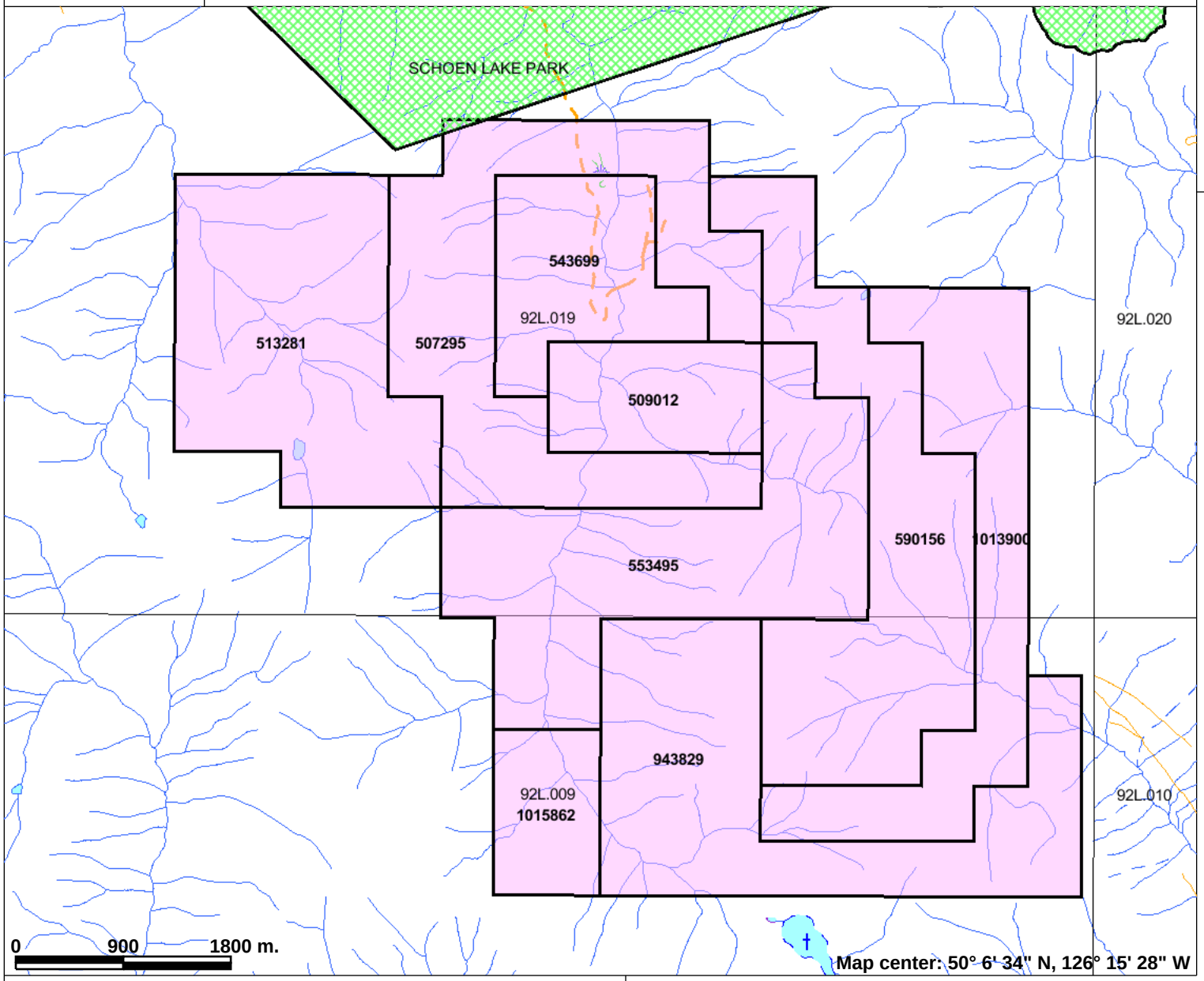


Figure 1: Location Map

MineralTitles OnlineBC

Figure 2: Claim Map



Legend

Parks

Mineral Tenure (current)

Mineral Claim

Mineral Lease

N

Scale: 1:50,000

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

The area of tenures totals 3,460.684 ha.. The claims currently are held 100% by Mikkel Schau, BC Free Miner 142134. Interwest Enterprises were part owners but have returned their portion of the claims to me, the original owner. Tenure 553495 contains samples on which work was done this year.

The land situation is typical of BC; I have claimed the mineral rights in a lawful manner. According to the MTOnline website:

"...Any subsequent activities, permits, approvals or decisions related to exploration or development work on mineral or placer claims will require the Province British Columbia to meet applicable legal obligations to consult with, and if appropriate, accommodate, affected First Nations". There is no record, available to me, that this provincial consultation has been carried out for these claims.

To the best of my knowledge the Land Claim Treaty Process has not directly discussed these lands although they are under general claim by several groups. The SOI of 'Namgis Nation covers the lands within the Nimpkish River watershed wherein Schoen Creek and the majority of the claim group is located, but the lands near and east of the height of land including Mt Adam are subject to a competing SOI of several First Nations. Contact has been made with all the nations as recommended by the Ministry. In particular, I have been in contact with the Treaty Office of the 'Namgis; they are aware of details of my current work.

There has been no impediment to my claiming or working the land to time of writing. Local people have told me they would like there to be more exploration, and possibly mining in the region, to shore up their local economy.

Previous work

This section is an *update* of similar material presented in previous assessment reports for this area. There are many similarities with earlier reports written by the author, but this version is the most up to date. Earliest reports from this area reported locations in NAD 27, later ones, as well as this one, report locations in NAD83. All locations are found in UTM Zone 9. The geology is shown on Figure 3.

The general area has had a sparse history of mineral exploration. Previous mapping by government sponsored regional mapping programs conducted and summarized by J.E. Muller et al. (1974) has been made available in modified digital form by N.W. Massey et al (1995, 2004). A government sponsored regional geochemical survey (RGS23) indicate that creeks in the Schoen Lake watershed are anomalous, showing moss values up to 160 ppb Au. (MapPlace, 2011). An adjacent creek valley and a hill crest to the west of the Schoen Creek valley were staked in 1993 and shown to carry anomalous concentrations of several economic elements, including Cu, Zn, Ag, Pb, Mo and Au (AR 23546). An in situ rock sample with 1 gm/mt Au was recorded at this time. Those claims have since lapsed. Claims to the east of Mount Adam have been explored by me over the years, and have recently been held by another prospector.

In 2000, the current owner funded in part by the Prospector's Assistance Program, found a sample with about 60 gm/mt gold while prospecting for precious metals. It was staked as the Flan showing in late 2000 based on results of these initial assay reports. A granite stock was recognized in the course of later mapping and an area was staked to cover the apparent edges of this granite. Several stream sediment surveys prompted the staking of the complete watershed. The current owner is conducting grass-roots exploration to move the showings along to be a viable prospect. Previous assessment work, totalling about $220,125.04 has been done by the owner(s) on the claims as listed below:

AR Number	Date off confidential	Operator	Exploration Expenditures (original dollars)
33661	*2014-01-24*	*Self and Interwest Enterprises*	*$40,500.00*
32654	*2012-10-20*	*Self and Interwest Enterprises*	*$20,400.00*
31786	*2011-08-20*	*Self and Interwest Enterprises*	*$6,135.61*
31679	*2011-06-24*	*Self and Interwest Enterprises*	*$95,025.67*
31046	*2010-10-09*	*Self*	*$6,150.00*
30471	*2009-06-30*	*Self*	*$16,200.00*
30009	*2009-03-02*	*Self*	*$950.00*
29551	*2008-10-18*	*Self*	*$12,000.00*
29360	*2008-07-28*	*Self*	*$5,200.00*
28382	*2007-02-14*	*Self*	*$6,600.00*
27311	*2004-08-26*	*Self*	*$3,563.55*
26793	*2002-11-15*	*Self*	*$7,400.21*

AR 26793 produced data on the surrounds of the original gold discovery location

AR 27311 discussed veins in a nearby, hitherto unknown, 2 mica granite thought to be a possible source of mineralization

AR 28382 added geological information on basalts and veins on on the west side of Maquilla Ridge.

AR 29360 focused on new selected high grade sulphide samples from basal till at the original location. “Metallic” gold assays on 500 gm samples yielded up to 135gm/mt from pyrrhotite rich copper bearing basal till boulders.

AR 29551 discussed alteration on the claims and conclude that low grade regional metamorphism affected Triassic basalts and shales. Local phyllic alteration has affected the 2 mica pluton, showing a local chlorite rich zone and a sericite rich zone. The granite was thought to have been emplaced in a high strain zone. The possibility that the west of the creek was displaced with regard to the east side was suggested.

AR30009 presents evidence that the gold at Flan Showing is found in small grains of electrum (range 5 to 72 micron grains; median and mode is 15 microns) along with small grains of BiTe in chalcopyrite, and less so in pyrrhotite and sphalerite.

AR300471 Provided more instances of mineralized boulders as well as locating in situ copper rich zones located within the sediment-sill unit (also called the Daonella Beds). These rocks were compared with other mineralized black shales.

AR31046 presented a lineament study of a high quality orthophoto, and added more assay values from the area. Provided graphite analyzes of black shales.

AR31679 presented results of a large program of prospecting, geological, geophysical and geochemical surveys which located two distinct “potential exploration” targets based on geochemical anomalies.

AR31786 presented evidence that the White River granodioritic rocks extend up Kokummi Creek into the eastern claims. The upper anomaly on Jackpot Creek is thus favoured as a target.

AR32654 presented evidence that tributary creeks on North side of Jackpot Creek contained talus and in situ gold bearing samples.

AR33661 reported on two new in situ gold sample areas; one with a 21 m chip sample carrying 1.5 gm Au/mt.

Summary of work done

The work reported herein consists of laboratory work on previously collected samples performed mainly in the spring of 2013.

This work applies to tenures 507295, 509012, 5133281, 543699, 553495, 590156, 943829, 1013900, and 1015862.

Rock Assays Appendix A-1

(Whole Rock methods preparation and analyzes by Acme Analytical Labs)

Table with sample locations and rock types and selected elements from Certificate VAN12004218.2. An additional 15 whole rock analyses on samples previously reported with ICP-MS values in AR33661.

Figure 4 shows locations of samples with whole rock analyses and Figure 5 shows the values of SiO2%, K2O% and S% for those samples.

Soil Assays are recorded in **Appendix A-2**

Table with sample locations and soil types and selected elements from Certificate VAN13002335.1.

Figure 6 showing locations of new analyses located on 2009 Grid.

Figure 7 showing values of Cu, Au and As of samples located above.

Petrographic Descriptions recorded in **Appendix B**

5 new polished thin sections (DX series), produced by Van Petrographic and described by self, are described, Locations are shown on Figure 8.

Plate 1 shows 4 selected photomicrographs of thin sections.

PIMA results are reported in Appendix C

Heberlein report KH200: 43 data sites (21 distinct samples).

Heberlein report KH201: 4 data sites (2 distinct samples).

Figure 9 shows locations of samples analyzed with PIMA.

Original Assay documents (listed above) are found in **Appendix D**

Certificate VAN12004218.2

Certificate VAN13002335.1

Detailed data and interpretation

Purpose

The work recorded herein presents new information on the composition of alteration minerals of gold bearing rocks previously located on the southwest lopes of Mount Adam along tributaries of Jackpot Creek.

Regional Surficial Geology

This section is a brief summary taken from previous assessment report (AR 33661) written by this author on these claims.

The claims are mainly located in the Schoen Creek drainage basin. The mineralized boulders (FLAN showing) are located about the junction of a modified U shaped valley with sharply incised tributary from the south east (informally called "Jackpot Creek by logging companies") with the main U-shaped Schoen Creek valley.

The eastern and western ridge of the main creek is largely steep and rugged and shows outcrop near the mountain tops. The valleys are filled with downward thickening glacial deposits and post glacial stream and talus deposits. The mapped road outcrops are technically subcrops; only a few knobs of bedrock crop out on the lower slopes; only at the upper steeper slopes are cliff forming outcrops. Very large blocks of material from the upper slopes have cascaded down the hill. In virgin forest such blocks are difficult to distinguish from actual outcrop. The depth of till generally increases downhill, as does colluvium. The bottoms of the valleys are occupied by creeks cutting through their own, earlier fluvial sediments.

Jackpot Creek is cut down through broken bedrock, and has created a deep chasm as it descends towards Schoen Creek. There is a hint of a U shaped hanging valley visible in the steep sides and flatter bottom of the general valley. But the bottom topography of this creek is not that of a glacial valley; rather it is that of a deeply incised fault valley. It is remarkable that a fault could be excavated as deeply as Jackpot Creek is in the mere 8000 years since last deglaciation.

Creeks draining the south side of Mount Adam, emptying into Jackpot Creek are also very steep and clearly postdate the latest glaciation. The "Heart" Creek area consists of a creek that splits into an eastern segment that bifurcates upward, and is locally called the "Rubicon" Creek and an western segment which is characterized by a vegetation kill zone in the crude shape of a heart through which the western strand of the "Heart" Creek passes. The samples discussed in this report come from these cliffs.

Regional Geology

This section is a brief summary modified from AR 33661.

The regional geology was mapped by Muller et al 1974 prior to the construction of current logging roads, and as such, suffers from not having access to the subcrops now exposed. Observations gained while prospecting in the region after the logging roads were available indicate that the valleys contain different units than those encountered on the sub-alpine ridges. The latest digital compilation (Massey et al 2005) has not included information gathered by industry and is thus also deficient. In particular, a small two mica granite stock occurs in Schoen Creek valley. The contacts of this stock are seen in several places, both intrusive and faulted, and its general elongate shape can be deduced from distribution of talus and subcrops in the region. The valley and adjacent areas are part of a large NS fault zone system and is generally, but differently, portrayed by Massey (2005) and Mueller (1974) to be along the higher eastern ridges see Figure 3.

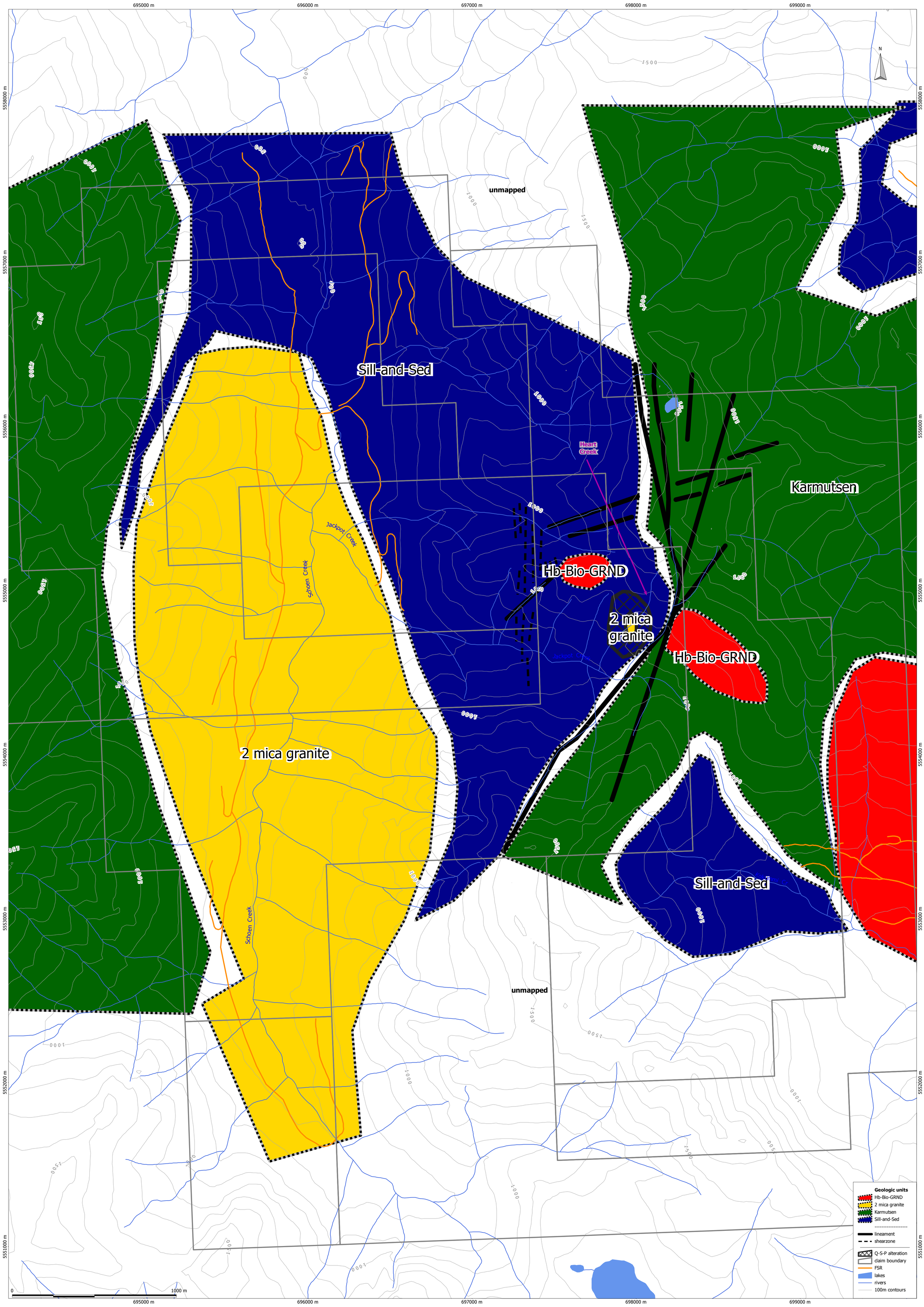
Recent work has extended the outcrops of a Jurassic hornblende-biotite-granodiorite batholith, from a contact previously postulated to be near the headwaters of the White River, to a contact in the headwaters of Kokummi creek and into the claims in the Jackpot Creek head-water area. The outline of the aeromagnetic anomaly (from MapPlace) and the outline of this magnetic pluton now seem more closely related. Forests preclude accurate contacts.

Regional geology of the immediate area is generally simple. Late Paleozoic limestone is exposed in low lying areas east of the claims. They are overlain by the informally named “Daonella beds”, a middle Triassic unit of black shale and siliceous tuffaceous cherts which in turn is overlain by the Triassic (lower Karnian) Karmutsen basalts, a thick pile of pillowed and massive sub-aqueous to sub-aerial lavas. Intrusive rocks include Triassic gabbro sills (mainly emplaced in the Daonella beds), and later, large Jurassic granodiorite plutons to the northwest, (northeast?) and to the southeast, as well as a stock of two mica granite in the main Schoen Creek valley (called the Schoen Creek stock).

Regional faults affect area. Although there is not a single north directed fault surface, as shown on government maps there is a wide heavily fracture cleaved and complexly veined zone trending in that direction (called “Lacy rocks” as a field term). The apparent sense of movement on the mostly steeply east-dipping north-south faults is west side up, but associated slickensides indicate largely horizontal displacement. It would appear that regionally, Jurassic plutons postdate some of the NS faulting since they cut some fault zones and are largely undeformed. The two mica granite (Schoen Creek stock) on the other hand, is faulted both in NS and EW directions. Small dykes are seen to extend from eastern parts of the stock. Steep, later?, east west faults are associated with abundant alteration and a possible dextral sense of displacement. Local, later, Tertiary? Dykes, that cross the east west faults, and stocks are noted within this same general region (near Mt Cain). Although transverse faulting is indicated by the prevalence of sub-horizontal slickenlines, in a few locations down dip slickenlines have been located. The tectonic history is complex, overprinted as it is by later regional dextral movements.

Regional Geophysics

Aeromagnetic maps released half a century ago give a crude estimation of the magnetic nature of rocks on the ground. which shows the positive regional aeromagnetic map. The anomaly is largely explained by the presence of a magnetite bearing granodiorite, mainly developed in Kokummi Creek area, and in a few instance by magnetite skarns. No further work was done on magnetic properties in this report.



Projection/Datum: UTM 9(N) NAD83
scale: 1:10000

0 1000 m

THE FLAN PROJECT

January 2013

Figure 5:
Property Geology

Property geology

The following part is a brief summary of the geology of the property taken from AR 33661.

Figure 3 shows the preliminary geology for the south-eastern tenures of the Flan Consolidated claims. A south draining creek is called Heart Junction Creek for the heart shaped pattern of a vegetation kill zone displayed at the junction of two ("Heart" and "Rubicon") gullies halfway up the hillside. It drains a now known gold bearing area. It joins the Jackpot Creek which in turn runs into Schoen Creek.

As shown on the preliminary map the geology of these claims is relatively simple. The stratigraphy sequence is sediment-sill unit (also known as Daonella Beds) overlain by Karmutsen basalts. A muscovite-biotite granite (Schoen Creek Stock) is found underlying the Schoen Creek valley The headwaters of Jackpot and Kokummi Creeks show the continuance of a large granodiorite Jurassic pluton into the claims from its previously mapped contact to the southeast near White River. Faulting within the stock is complex and directed both northerly and easterly. It appears to be more deformed than the hornblende-biotite-granodiorite.

Karmutsen basalts occupy the tops of ridges including the long one culminated by Mt Adam. Pillows are locally developed. Diabase (finegrained gabbro) massive flow centres or sills are noted near the top of the ridge. A particularly distinctive axiolitic basalt with few microphenocrysts and rare amygdales is noted near the base.

Cherts and siltstones and silicified tuffs of the sediment and sill unit (the "Daonella" beds) act as hosts to thick (in excess of 200 m) diabase (very fine grained gabbro) similarly textures as those emplaced in the basalts above. The bedding in the siltstones is mm to cm thick and pyrite is locally concentrated along certain thin beds. Pyritic cross veins (of different composition) also traverse rock ,particularly in the Jackpot Creek area.

The structure of the sill and sediment unit and the overlying basalt on the west flank of Mt Adam is that of gentle eastward dips. Much faulting has disrupted the rock and these intersecting northerly trending fault surfaces are marked by zeolite and clay veins giving rise to the "lacy" rock unit. The result is that rocks that are dark when fresh end up looking white from a distance because the rock splits along the fracture planes (very deceiving rocks).

Alteration (documented in petrology section) is that of quartz-sercite/illite-Fe-chlorite-pyrite alteration near the Heart, and magnetite and sulphide bearing skarn/hornfels alteration at the Rubicon showing. Topographically and stratigraphically above, argillic alteration is located and the host rocks show low grade regional metamorphic grade. Later faults show presence of low temperature alteration such as zeolite and smectites.

Mineralization

The following part is a brief summary of mineralization in the claims in the Flan claims on the east side of Schoen Creek taken from AR33661:

The mineralization is of several types:

Mineralized breccias, some with dacitic clasts were located up south draining tributaries of Jackpot Creek. Sulphidic rocks carrying up to 4 gm/t Au have been located in situ above a talus fragment assaying 21.5 gm/t Au. In the 2012 season two mineralized areas (Heart and Rubicon showings) each with grades up to 6 ppm were found in these tributaries to Jackpot Creek on the southwest facing slopes of Mount Adam and a 21 m chip sample averaged 1.5 gm/mt Au.

At Flan showing, east of the Schoen Creek:

I/ Early, green, poly-metallic, epidote-chlorite-sulphide veins (the green vein) with irregular pods of quartz, and tens of cm wide, replace a fault zone cutting a gabbro sill. Sphalerite, chalcopyrite and pyrite are common sulphides, but analyzes suggest molybdenite and galena are present in small measure as well. Gold is variably anomalous.

II/ A later, thin, white weathering, apparently cross cutting, quartz-sulphide (pyrite and chalcopyrite) vein assemblage with local Au concentration developed in gabbro. Seems to carry the best gold values near the earlier "green" veins.

At Jackpot South showing (south of Flan and the creek) the matrix of a fault breccia with angular granite fragments is composed of various proportions of chlorite, quartz, chalcopyrite, sphalerite and minor galena. The structure seems to project toward and along strike to the Green Vein.

At Jackpot South extension, located in Jackpot Creek, quartz rich veins and fault zones carry irregularly distributed chalcopyrite. Gold is variably anomalous. This fault zone possibly extends along Jackpot Creek and shows very little apparent off set, although the hand specimen structures indicate a shear zone.

Exploration Target

The exploration is at early stages and fixing on a single mineral deposit model is premature. Previously, although there are a number of possibilities; one mineral deposit model seemed to be favoured by the limited amount of information then available. It was the *INTRUSION RELATED Au PYRRHOTITE VEINS* selected from the BC Mineral Deposit Suite: category I02.

With new information garnered in the last few years, it seems now that a preferred model is a *PORPHYRY* related model selected from the BC Mineral Deposit Suite: category L04 and related models. The presence of Au and Cu, spatially associated with intrusives and the location of Au mineralized brecciated termination of a dacitic dyke altered to quartz-sericite/illite-Fe-chlorite-pyrite seem positive indications that a form of the porphyry model might be more appropriate. On the other hand the presence of As, Sb and Bi may still be an indication that the first model is preferable.

Detailed sampling results

New Results:

The new data is contained in the appendices with tables and figures listed below.

Appendix (table)	Figure with locations	Figure with data
A-1 Whole Rock assay	Figure 4	Figure 5
A-2 Soil sample assays	Figure 6	Figure 7
B Petrology section, thin section descriptions	Figure 8	Plate 1
C Heberlein -PIMA reports	Figure 9	Not applicable
D Original Assay certificates	Not applicable	Not applicable

Interpretations and conclusions

Results from lithogeochemical sampling of in situ samples

The 15 whole rock analyzed are presented in Appendix A. The data reported in table below is mainly new. The table shows the SiO2, K2O, and Na2O in relation to gold and indicator elements. It is clear that bismuth, arsenic, sulphide and gold are associated, and that some altered diabase as well as disrupted dacite may act as a host for gold. Clearly the dacitic units are altered and sodium depleted.

Sample	Descriptor	SiO2%	K2O%	Na2O%	Au ppb *FA, new ICP-MS*	As ppm	Bi ppm
16556	diabase	48.8	0.24	2.63	*51 ,**981***	13	0.1
16558	Altered sediment?/gouge?	47.37	0.27	0.2	*776, **434***	151	9.7
16559	Gossan (Fe203 = 30.82%, mainly limonite)/gouge	23.94	0.01	<0.01	*5222, **4108***	74	49.3
16562	Diabase/hornfels	48.58	0.24	3.31	*22, 13*	7	0.6
16603	Gossanous massive sulphide (Fe203 = 38.46%, S = 11.58%))	18.59	0.41	0.02	*6228, **7951***	>10000	32.7
16604	Gossan (Fe203 = 30.3%, S = 6.7%)	33.25	0.44	0.01	*2761, **2886***	>10000	27.6
16608	Diabase/hornfels	48.94	0.26	3.34	*13, **11***	27	0.1
16611	Altered sediment	45.62	0.4	1.13	*<2, **7***	310	0.4
16612	Gossan (Fe2O3= 46.68%, S= 7,13%)	15.22	0.18	<001	*2190, **759***	>10000	5.6
16565	Dacite dyke, disrupted	65.29	3.91	0.09	*3075, **4603***	>10000	6.4
16569	Dacite dyke, disrupted	69.32	3.33	0.07	*595, **391***	117	2
16616	Altered sediment, zeolite veined	45.37	1.7	0.36	*6, **6***	52	<0.1
1415808	Two mica granite, fairly fresh	74.74	3.87	3.88	*<2, **<0.05***	1.5	<0.1
16619	Altered sediment?/gouge?	47.93	1.5	0.04	*6247, **3204***	>10000	59.3
16620	Dacite dyke, disrupted	62.46	3.06	0.06	*3905, **4623***	4509	21.8

Table shows the results from Whole Rock analyses. Evaluating the degree of alteration is difficult with this small data set and a larger set of data will be forthcoming as a result of the 2013 field season. Nevertheless,

- Dacite breccia is altered and sodium depleted.
- Gold mineralization is not concentrated in a particular host rock.
- Pathfinder elements are locally associated with higher gold values.

Inspection of the complete data set data in Appendix C indicates that there are some groupings in aqua regia soluble elements. These clusters are based on a Spearman Rank correlation matrix using open source software called Rattle (Williams 2011)..There are two separate groups of elements of possible economic value. One is a cluster of S, Cu, Ag and Pb. Another is a cluster of As, Au, Bi, Sb, Co, Fe, Zn, and Cd. Both of these clusters are loosely associated with a cluster of Al, Mg, Mn, Cr, Ni, and V which might represent chlorite or other phyllic minerals. These are less associated with a cluster of Ca, Sr, Na, Ti, Pd, P, and W, and even less associated with La, Th, K and Ba cluster. These groupings are to be tested more thoroughly with a larger data set using 2013 field season samples. The suggestion of two separate mineralizing modalities is intriguing and needs testing.

Data is also used to clarify the petrology of samples as discussed later in Appendix B.

Results from secondarily dispersed media

In 2009 a grid was constructed and samples were collected from the interface of the A and B soil horizon and Enhance Enzyme Leach analyses performed by Actlabs (see AR31679). A subset of these samples was also analyzed using traditional ICP-MS analyses and reported in AR31679. In the current report the remainder of non-assayed soil samples from the grid are reported. They are reported in Appendix A-2 and their location is shown on Figure 6. The Cu, Au, and As values are shown in Figure 7.

Results from Petrography

5 polished thin-sections were examined utilizing new PIMA and whole rock analytical information provided within this report. They are described in Appendix B; their location is shown in Figure 8; and selected photomicrographs of well defined fabrics are shown in Plate 1a to 1d.

DX-1 (16559) sheared gossanous semi-massive sulphide fault gouge (Plate 1a)

DX-2 (16565) veined gossanous fault gouge developed in dacite? (Plate 1b)

DX-3-(16603) massive sulphide (py+po) with disrupted breccia fabric in greenstone?? (Plate 1c)

DX-4 (16604) sulphide (py) veined augened fault gouge in greenstone?

DX-5 (16620-chert) Hornfelsic chert with disseminated finegrained pyrite and carbon spots. (Plate 1d)

A summary of rock types at the Heart and Rubicon showings includes:

Sediment and sill unit is the oldest (probably middle Triassic in age and consists of chert, siltstone, some of which is carbonaceous, as well as sandy acid tuffs. Chert is seen to be a very fine grained complex of intergrown polycrystalline quartz Sediment is and other unresolved very fine grained clayey materials.

Diabase sills shows typical but fine grained intersertal textures

Karmutsen basalts/ diabase of Karnian, (or lower Upper Triassic) age form the high ridges in claims and consist of a thousands metre of pillow basalts and massive flow centres/or diabase sills. Diabase shows typical but fine grained intersertal textures. Locally pyrite veining affects these rocks if they are near a pluton. Diabase is difficult to distinguish from coarser basalts.

Dyke intrusion/breccia is located in the Heart showing where dacitic dyke has intruded and been brecciated several times. A later period of brecciation is accompanied by sub parallel slip planes and is probably largely tectonic in origin. But fragments within this breccia are themselves breccias with sharp angular corners and probably were brecciated prior to the tectonic event.

A summary of the local alteration is given below:

Regional metamorphism: Low grade regional metamorphism is seen in hosting mafic rocks.

Contact metamorphism has resulted in chert carrying cm thick beds or lenses of magnetite (skarn) and very fine grained to cryptocrystalline aggregates (felsic hornfels). Semimassive sulphides in layers replace matrix while preserving quartz grains inside cellular fabric. These sulphides are probably associated with skarn formation. Diabase are locally recrystallized to form hornfelsic diabases.

Hydrothermal alteration is best manifested in the quartz-sericite/illite-Fe-Chlorite-pyrite alteration which has affected the complex breccia at Heart Showing.

Cataclastic deformation is seen as affecting Heart and Rubicon area in a variable manner. Plate 1a-d show various manifestation of this deformation.

Veins of pyrite as well as illite-chlorite veins and local quartz veins are associated with hydrothermal event. Scarce veinlets with arsenopyrite accompany the much more abundant pyrite veinlets and disseminations. Adjacent areas show anastomosing veins of zeolite and montmorillonite are common in fractured diabase areas (giving rise to the “lacy” unit. Later calcite veins are locally noted.

Weathering of sulphide materials is best shown at the Rubicon showing where partially to completely weathered sulphides now are seen as gouge, or semi-gouge consisting of “limonite and locally, gypsum. . Examples of weathering mineralogy at Heart showing also include limonite, jarosite and gypsum/anhydrite as well as montmorillonite. Montmorillonite and kaolinite is found in some gouges and weathered feldspars.

Results from PIMA

PIMA spectral analyzes of 33 offcuts and grab samples resulting in 47 distinct spectral determinations gave mostly good to excellent results. Results are shown in 2 reports in Appendix C and locations of samples are shown in Figure 9.

Minerals found include: muscovite, illite, smectite, chlorite, kaolinite, carbonate, epidote, prehnite, jarosite, anhydrite/ gypsum, and probable silica. Probable organics were also identified.

Muscovite ranges from “normal” potassic to low Al (probable phengite - wavelengths above 2209 nm; see “2200 wave”). Illite ranges from normal to low Al (phengitic?). Crystallinity ranges from illite/smectitic to high crystalline (sericitic). Smectite is montmorillonite. There may also be Fe or Mg smectite associated with chlorite (16567A). Chlorite is Fe rich in composition (wavelengths above 2255 nm; see “2250 wave”)

Epidote is present , associated with prehnite and calcite. Kaolinite is present in trace amounts.

A possible time line (paragenesis) is shown below:

Timing	Structural event	Metamorphic events	Rock Units
	Faulting (reactivation of old steep NS faults	Zeolite and montmorillonite	
	Faulting generally northeast south west	Faulting with zeolite, montmorillonite and prehnite	cutting granodiorite plutons
		Mineralizing event(s) presumably late in intrusive history of plutons	Local faulting and low temperature hydrothermal event with sulphides emplaced
Middle Jurassic		Local hornfels, amphibolite, halleflinta and skarn formation	Hornblende Biotite Granodiorite (unnamed and Nimpkish batholith
	North south faulting	Chlorite, after biotite, illite and kaolin alteration of feldspars	
			Schoen Creek Stock (2 mica granite)
	Regional readjustment	Regional low grade metamorphism	
Karnian (Upper Triassic)			Karmutsen basalts
Middle Triassic			Sediment and sill unit

Summary

The recognition of complex intrusive/faulting relationships of the quartz-sericite/illite-Fe-chlorite-pyrite alteration of a dacitic dyke (breccia) in the Heart Complex and the bounding magnetite and sulphide skarn deposit of Rubicon constitutes a valuable addition to the ongoing exploration program at Flan.

Recommendations for future work

Mineral deposit Models

The exploration is at early stages and fixing on a single mineral deposit model is premature.

Previously, although there are a number of possibilities; at first, limited amount of information favoured the *INTRUSION RELATED Au PYRRHOTITE VEINS* selected from the BC Mineral Deposit Suite: category I02. The presence of As, Sb and Bi as locally abundant trace elements may still be an indication that this model is preferable.

With new information, another possible model is a *PORPHYRY* related model (cf BCGS Mineral deposit model L04) The presence of Au and Cu,spatially associated with felsic intrusives and the location of Au mineralized brecciated termination of a dacitic dyke altered to quartz-sericite/illite-Fe-chlorite-pyrite seem positive indications that a version of the porphyry model might be more appropriate.

Magnetic and electromagnetic surveys

Previous work has established that the granodiorite is magnetic, the 2 mica granite is diamagnetic, the country rock is very weakly magnetic, the pyrrhotite veins are variably magnetic and shear zones are less magnetic than country rocks. M

massive sulphide will respond in an EM survey. These attributes would make an integrated airborne geophysical survey an ideal method to help focus attention to hidden accumulations of magnetic and conductive bodies hidden below the temperate rain forest cover..

Future Exploration

Current mineralization is largely located near logging roads or in exposed locations on the mountain side. A junior company is a good candidate to commission an integrated airborne geophysical survey. An aerial survey would designate areas of interest based on measured physical parameters rather than on ease of access in heavily wooded area. After analysis of geophysical results, such a company could perform larger, more systematic geochemical and geophysical surveys on well established grids to explore anomalous airborne regions. The gold bearing exposures outlined in report are almost ready to be probed by exploratory drilling.

A prospector based exploration program, using experienced climbers, could include continuing chip sampling in mineralized areas and visiting known cliffs shedding talus fragments. Contour soil sampling, where feasible, may help locate mineralized veins under the sparse plant cover. Other hand based techniques could be used. But eventually the showings need to be drill tested.

Budget

No budget is provided as the project can be configured in many different ways depending on available resources and personnel.

Recommendation

This is a project of **merit** and continued exploration is recommended.

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Author's qualifications

I, Mikkel Schau

have been a rock hound, prospector and geologist for over 53 years. My mineral exploration experience has been with Shell, Texas Gulf Sulphur, Kennco, Geophoto, Cogema and several smaller public and private mining juniors. I have worked 10 years in southern BC and spent 23 years with the GSC as a field officer focused on regional mapping in northeastern Arctic Canada before retiring. For the last 17 years I have consulted, mapped and prospected in Nunavut, Nunavik, Yukon, Ontario and BC.

reside at 3919 Woodhaven Terrace, Victoria, BC, V8N 1S7

was educated as a geologist, graduating with an honours B.Sc. In 1964, and a Ph.D. in Geology in 1969, both, from UBC.

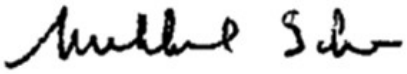
My experience in geochemical exploration spans half a century. I was on a follow up crew for a province wide Kennco geochemical survey in the early sixties. Later I was a teaching assistant to Dr Delavault's Exploration Geochemistry course at UBC. Subsequently, I was the geochemist for a major exploration focused geochemical survey in NE BC. Since, I have lectured on the subject of Aqueous Geochemistry, a fourth year course at University of Manitoba. I currently use geochemical methods in my exploration work.

I am a P.Geo (APEGBC 25977) in BC.
I am a BC Free Miner, # 142134 in good standing.

All mineral rights to FLAN Claims totalling 3460.684 ha. Are held by Mikkel Schau.

I am the author of the report entitled : Assessment Report for Flan-Consolidated Group (Tenures 507295, 509012, 513281, 543699, 553495, 590156, 943829, 1013900 and 1015862): More petrologic data, lithochemistry, SWIR, and soil geochemistry focusing on south west facing slope of Mt Adam at 50 deg 06 min 9 sec North and 126 deg 15 min 27 sec West in 092L/01, Nanaimo Mining Division.

Signed



Mikkel Schau, P.Geo

Itemized cost statement

These costs do not include GST

Data collection, analysis and Report preparation		
Schau 4 days at Between February and October 2013. @500/day		2000.00
GIS (Tebbutt 9 maps and a plate @ $100 /item		1000.00
Geochemical Assays		
15 Whole rock analyses samples Acme method 4 A and B,		846.82
27 Soil samples ACME Geo4 method ,VANI45190		334.76
Petrological studies		
5 new Polished Thin sections, by Van Petrographics		285.00
5 petrographic Reports (150/report)		750.00
31 samples PIMA studies by K. Heberlein P.Geo.	(Inv KH130222)	643.98
2 samples PIMA studies by K. Heberlein P.Geo.	(Inv KH130225)	61.71
Freight		
Van Petrographic		31.65
Acme		30.10
Miscellaneous		
Paper		6.01
TOTAL		***6000.00***

Appendix A: Sample descriptions, locations and selected assays

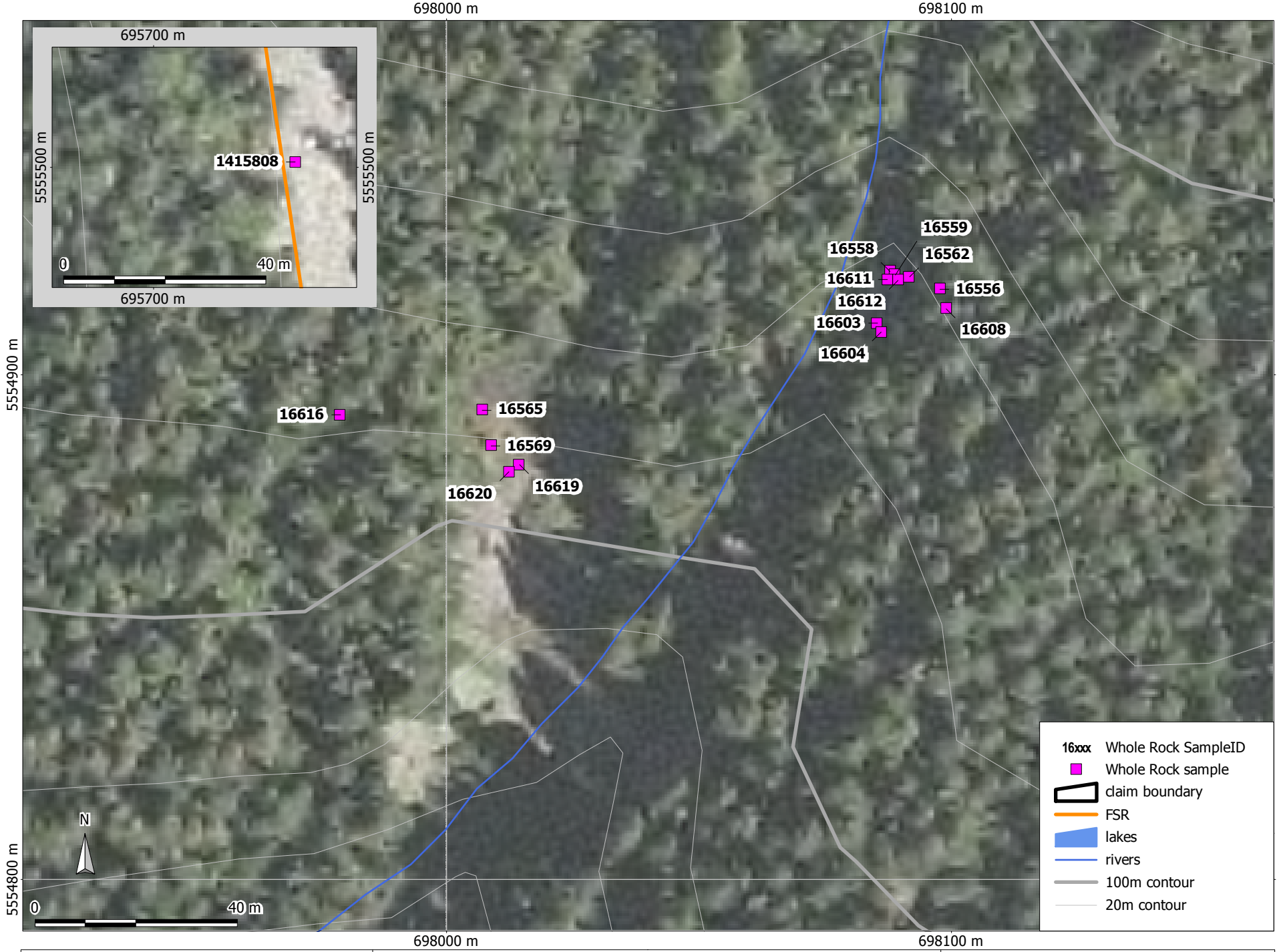
Appendix A-1 Table of locations, descriptions and selected assay values for in situ samples. Sample locations for these *in situ* rocks are shown in Figure 4, and SiO2, K2O and S values are shown in Figure 5.

Appendix A-2 Table of locations, soil colour and selected assay values for soils from the 2009 Grid. Sample locations are shown in Figure 6, and Cu, Au and As values are shown in Figure 7.

Table A-1: In situ samples

Field SampleID/ Lab Sample ID	NAD83E	NAD83N	Elev_m	Unit	Description	SiO2_%	K2O_%	S_%
16556	698098	5554917	1167.6	altered hornfels	Rubicon creek sample at bottom of creek 2 m below mineralization, grey very fine grained clay rich rock with titanite?, calcite and local chlorite mixed with local spots of local silicification	48.8	0.24	0.08
16558	698088	5554920	1178.7	gouge / altered sediment?	on ridge east of Rubicon, rusty vein striking SE with moderate SW dip; brown gouge locally silicified, with bright yellow patches, remainder of bluish coloured quartz-sericite-rare pyrite alteration. Possibly part of the altered sediment section	47.37	0.2	0.32
16559	698089	5554920	1178.7	gossanous gouge, with chloritic and clay rich matrix	Rubicon creek sample at bottom of creek 2 m below mineralization, grey very fine grained clay rich rock with titanite?, calcite and local chlorite mixed with local spots of resistant material.	23.94	0.01	4.24
16562	698092	5554919	1167.4	hornfels	angular brown stained dark grey rock with darker layers (chlorite) cut by many small anastomosing sulphide layers pyrite and scarce chalcopyrite noted. Hornfels, possibly of chloritized greenstone	48.58	0.24	2.47
16565	698007	5554893	1125.1	clay altered dacitic breccia	faulted previously brecciated feldspar porphyry showing soda depletion and potash enhancement	65.29	3.91	1.04
16569	698009	5554886	1125.6	clay and chlorite altered dacite breccia	faulted previously brecciated feldspar porphyry showing soda depletion and potash enhancement, somewhat more silica rich.	69.32	3.33	0.31
16603	698085	5554910	1166.5	semi-massive sulphide (vein and breccia)	angular shaped blocks of heavy gossany semi massive sulphide rock with minor augen shaped light coloured clay altered fragments to a few cm, but mainly mm sized. A sulphide-chlorite matrixed tectonic breccia with calcite possibly derived from greenstone.	18.59	0.41	16.54
16604	698086	5554908	1166.5	semi-massive sulphide and gouge	gossany soft very fine grained clay and chlorite with white augen shapes of clay, possibly as much as 15% sulphide (mainly pyrite) disseminated through out rock. Possibly greenstone gouge	33.25	0.44	8.56

Field SampleID/ Lab Sample ID	NAD83E	NAD83N	Elev_m	Unit	Description	SiO2_%	K2O_%	S_%
16608	698099	5554913	1162.5	hornfels	strongly magnetic black part contrast with lighter grey portion with sparse pyrite, the black massive chlorite and rock is skarn/hornfels possibly derived from of greenstone	48.94	0.26	4.28
16611	698087	5554919	1169.5	heavily chloritic and carbonate altered sediment?	rusty stained, grey, soft, aphanitic locally calcitic clay altered chert? Heavily chloritic and carbonate altered sediment?	45.62	0.4	0.17
16612	698090	5554919	1169.5	semi-massive sulphide and breccia from skarn	rusty weathering semi-massive sulphide breccia showing cm scale partings, cut by very rare thin rust seams, rock shows a brecciated texture with sulphide rich and locally silicified fragments set in a matrix of chlorite, rust, very minor malachite, and scattered sulphides. Two sulphides, one softer and more bronzy (chalcopyrite?) than the other (pyrite?), local black patches, with arsenopyrite?, magnetic fragments (confirmed with magnet) rock is likely a skarn?	15.22	0.18	14.65
16616	697979	5554892	1118	zeolite veined chert	west of heart gully lacy (cut by zeolite veins) faulted grey rocks	45.37	0.36	0.09
16619	698014	5554882	1108.9	heavily altered and mineralized sediment?/dacite	veined, pyritic, blue grey medium hard rock with fine grained texture, siliceous with small openings and abundant micaceous rims, local mm sized grains of pyrite and abundant very thin veinlets of pyrite, two thin cross cutting veins of very dark material and associated with quartz crystal fill, normal to vein walls, may be where arsenopyrite is localized. Sample is bounded by slickensides showing origin in a shear zone, cut by 0.2 mm calcite vein. Taken beneath the target in light grey rocks.	47.93	1.5	6.98
16620	698012	5554881	1108.9	dacite breccia?	has igneous relic texture, now quartz-sericite-pyrite rock? (Also darker rusty stained siliceous rocks with sulphides, typical of grey samples beneath above sample. Described in thin section in Appendix B but not analysed.) Would indicate an irregular intrusive contact present at this location. This analysis is of the whiter rock (altered dyke?).	62.46	3.06	5.41
1415808	695728	5555501	616.9	from 2 mica granite stock (Schoen Lake Stock)	relatively fresh fine to medium grained granite with pink feldspar up to 7 mm, white feldspar to 4 mm and biotite clumps and quartz grains to 3 mm.	74.74	3.87	0.02



Projection/Datum: UTM 9(N) NAD83
0 scale: 1:1000 40 m

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Figure 4
Location of Whole Rock Samples

Projection/Datum: UTM 9(N) NAD83

0 scale: 1:1000 40 m

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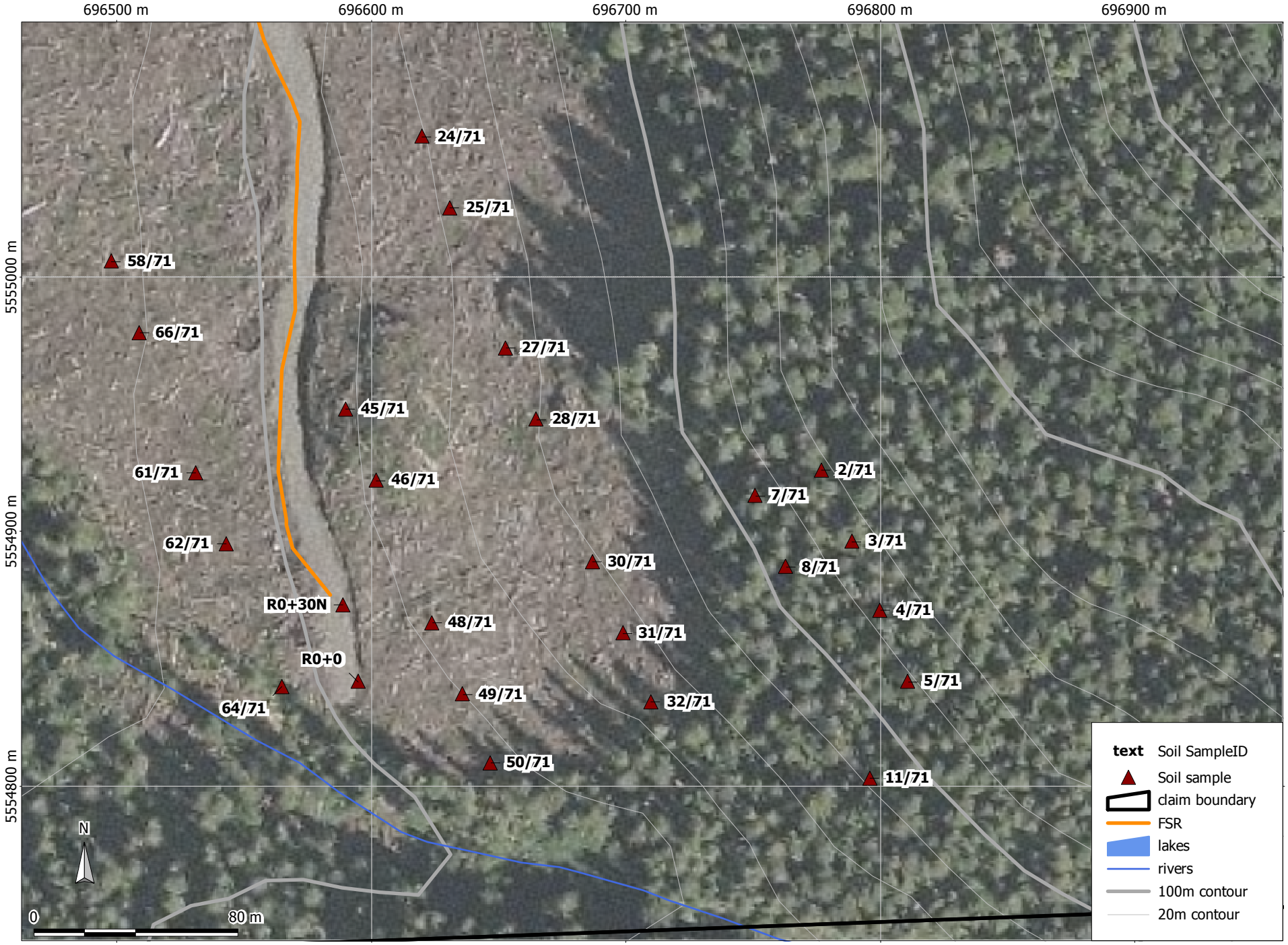
October 2013

Figure 5

SiO2%, K2O%, S% in Whole Rocks

Table A-2: Soil samples (secondary media)

SampleID	NAD83E	NAD83N	Grid	SoilColour	Cu_ppm	Au_ppb	As_ppm
2/71	696777	5554924	180E+30SEL	grey	12.8	1.3	<0.5
3/71	696789	5554896	180E+60SEL	orange	47.8	1	1.5
4/71	696800	5554869	180E+90SEL	mottled	19.8	2	0.8
5/71	696811	5554841	180E+120SEL	brown	26.4	<0.5	1.5
7/71	696751	5554914	150E+030S	orange	116.5	1.2	5
8/71	696763	5554886	150E+060S	orange	54.6	3.7	1.6
11/71	696796	5554803	150E+150S	orange	54.5	2.7	1.4
24/71	696620	5555055	090E+150N	orange	I.S.	I.S.	I.S.
25/71	696631	5555027	090E+120N	orange	58.8	3.5	4.1
27/71	696653	5554972	090E+060N	brown	112.6	44.8	1.4
28/71	696665	5554944	090E+030N	orange	83.5	4.3	2.7
30/71	696687	5554888	90E+30SEL	grey	14	6.4	<0.5
31/71	696699	5554860	90E+60SEL	brown	23.1	0.6	1
32/71	696710	5554833	90E+90SEL	orange	I.S.	I.S.	I.S.
46/71	696602	5554920	30E+30NEL	brown	28.9	2.7	1.8
48/71	696624	5554864	030E+030S	black	89.3	2.4	4.5
49/71	696636	5554836	030E+060S	brown	96.4	4.2	3.4
50/71	696647	5554809	030E+090S	orange	7.5	2	<0.5
58/71	696498	5555006	30W+150NEL	grey	21.3	1.5	1
61/71	696531	5554923	30W+60NEL	grey	25.4	6.3	0.8
62/71	696543	5554895	30W+30NEL	orange	55.2	3.2	2.4
64/71	696565	5554839	30W+30SEL	grey	40.1	1.2	1.8
66/71	696509	5554978	30W+120NEL	grey	I.S.	I.S.	I.S.
R0+0	696595	5554841		orange	49.2	5.6	1.3
R0+30N	696589	5554871		tan	86.4	2	80.9
45/71	696590	5554948	30E+60NEL	brown	33.2	1.7	2.1



Projection/Datum: UTM 9(N) NAD83

0 scale: 1:2000 80 m

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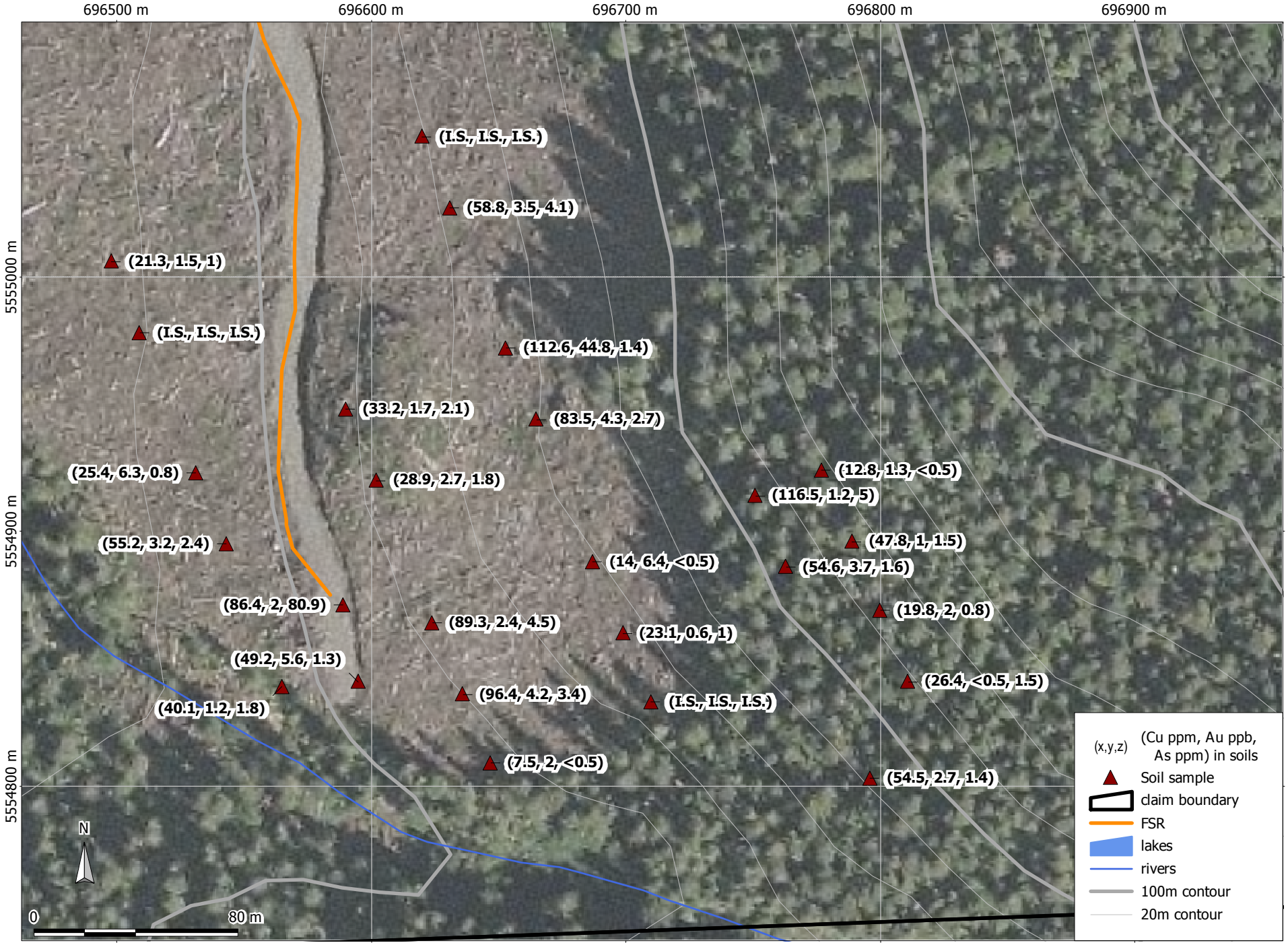
October 2013

Figure 6
Location of Soil Samples



Projection/Datum: UTM 9(N) NAD83

0 scale: 1:2000 80 m

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November 2013

Figure 7
Cu, Au, As in Soil Samples

Appendix B: Petrological Descriptions

Petrological descriptions are presented below. Photomicrographs are in Plate 1 and locations are shown on Figure 8.

Sample Number 16559 **TS number DX-1** **Station Number 16559** **Collector IG**

Zone 9 UTME 698089 **UTMN 5554920**

Field sample notes: part of samples in the Rubicon Creek area. Sample is from a gossanous relatively flat lying metre thick? layer between two less pyritic layers of grey hornfels

Hand Specimen Description: Rusty gossanous rock with relic pyrite layers set in limonite and chlorite matrix with disseminated very fine grained pyrite/marcasite grains and (secondary) local anhydrite set in chlorite

Magnetic , noncarbonate, nonconductive,

Thin Section Descriptions

Lithological observations Mainly a porous limonite rich gossanous rock with a tectonic fabric including augen and locally broken sulphide crystals

Mineralogy

primary

Pyrite as broken grains, thin layers and disseminated grains largely altered to limonite

Chlorite, iron rich forms part of the now mainly altered host

opaque dust which includes a few small grains of pyrite and minor magnetite

minor very small chalcopyrite stringers and possibly smaller sphalerite grains

secondary

limonite of various colours and states of hydration developed mainly along slip planes

possibly small grains of marcasite grains as alteration of previous iron sulphide weathering

limonite coats grains and stains much of rock

thin surfaces of gypsum/anhydrite

Fabric

Rock is a thoroughly sheared rock with multiply deformed augen and pyrite/limonite fragments

Veins

Quartz veins irregular in shape, some disrupted, contributing quartz illite knots in the main rock.

Altered Pyrite veins cut rock mostly along partings.

Chalcopyrite veinlets (locally stained with Covellite blue)

Late gypsum/anhydrite veinlets cut rock

Interpretation

Rock from within a shear zone showing augen and deformed sulphides composed mainly of sulphides and chlorite

Alteration is pervasive, strong and consists mainly of chlorite and porous limonites.

Sample Number 16565 **TS number DX-2** **Station Number 16565** **Collector IG**

Zone 9 UTME 698007 **UTMN 5554893**

Field sample notes part of vertical chip samples at Heart, just above the really rusty part of the heart. A lighter coloured fine grained breccia.

Hand Specimen Description: Rock with large leach openings containing relic pyrite surrounded with light coloured selvage hosted in patchy rusty grey matrix. Much of rock seem to be crackled quartz. Sulphide not magnetic, some white is soft, sericite?

Magnetic (1), noncarbonate, nonconductive,

Thin Section Descriptions

Lithological observations: Matrix supported microbreccia of altered granite/dacite?, with many slip planes with set in sericitised matrix

Mineralogy

primary

Relic feldspar grains to 1/2 mm now illitic

quartz fragments sand sized and locally strained

secondary

fine grained quartz and very sparse alkali feldspars intergrown with illite* chlorite* matrix

very fine grained sericite-illite*-clay makes up the majority of the matrix

small local chlorite patches near sericite rich patches

opaque dust which includes small grains of pyrite and minor magnetite weathering

abundant limonite coats grains and stains much of rock

local development of kaolinite* on illite* veins

Fabric

Rock is a tectonic breccia, possibly generated in a granite /dacite? Breccia fragments are themselves brecciated, possibly indicating a pre tectonic brecciation

Veins

local quartz* veins

Altered Pyrite veins (limonite/hematite) cut rock mostly along partings.

Trace of Jarosite* along joint/vein surfaces

Interpretation

Faulted previously brecciated feldspar porphyry/granite? Pervasively altered to illite

Would expect to see arsenopyrite, scorodite or strengite n thin section, but have not recognized any in this polished thin section. This is the highest grade specimen but no gold was recognized.

Sample Number 16603 **TS number DX-3** **Station Number 16603** **Collector RT**

Zone 9 UTME 698085 **UTMN 5554910**

Field sample notes Thin tectonised massive sulphide layer in Rubicon Creek, associated with a narrow fault zone.

Hand Specimen Description A few cm thick semi-massive layer of sulphide in limonite rich gossan (taken from a thicker layer)

Magnetic , noncarbonate, locally conductive.

Thin Section Descriptions

Lithological observations: Angular blocks of sulphide rich material and smaller augen shaped lighter coloured clay rich fragments in sheared layer

Mineralogy

Primary

Mostly (50%+) sulphides, consisting of mm sized pyrite grains in enveloping locally stained and altered pyrrhotite grains Evidence of crushing shown by smaller broken grains of pyrite

Matrix of chlorite in radial decussate masses between sulphides

Sericite* in small speckles in or near chlorite

Trace of magnetite as very small grains in chlorite

Secondary

limonite intergrown with phyllosilicates

weathering

limonite coats grains and stains much of rock

Fabric

Tectonised layered massive sulphide associated with chloritic greenstone

Veins

Minor veins with greenish phengite* and minor calcite*

Late vein of chlorite with minor chalcopyrite and local very small grains of brown sphalerite

Interpretation

This rock is a tectonised pervasively altered semi-massive sulphide layer in a greenstone? Host. The setting is likely that of a hosting body near a contact with a granitic rock and thus may be a skarn

This mineralogy in this specimen is very similar to the high grade samples found in the till below It is notable in that it too carries some gold.

(Would expect to see arsenopyrite, scorodite or strengite but have not recognized any in this polished thin section, nor have I recognized any gold)

Sample Number 16604 **TS number DX-4** **Station Number 16604** **Collector RT**

Zone 9 UTME 698086 **UTMN 5554908**

Field sample notes Sample from a fault zone developed in diabase sill. The fault zone is on strike with and probably the same as the fault zone described in 16603.

Hand Specimen Description: gossany soft limonite chlorite and sulphide with white augen shapes of whiter material

Magnetic (1), noncarbonate, nonconductive,

Thin Section Descriptions

Lithological observations: A gossany semimassive sulphide sheared rock with minor augen shaped light coloured clay altered mm to cm fragment set in a chlorite- sulphide rich matrix.

Mineralogy

primary

The main mineral association is iron rich chlorite* intermixed with phengite* and sprinkled with actinolite*? needles and small patches of titanite and magnetite

secondary

Probably secondary sulphides form about a third of rock composed mainly of pyrite with

minor chalcopyrite and trace of sphalerite

weathering

Limonite is pervasively throughout rock and locally coats grains

Fabric

A gossany semi-massive sulphide rock with minor augen shaped light coloured clay altered mm to cm fragment set in a chlorite-sulphide rich matrix .

Veins

Limonitic/pyrite veins traverse rock

Interpretation

A sulphide rich fracture zone developed in a highly altered greenstone.

(Would expect to see arsenopyrite, scorodite or strengite but have not recognized any in this thin section.)

Sample Number 16620 (chert part) **TS number DX-5** **Station Number 16620** **Collector RT**

Zone 9 UTME 698012 UTMN 5554881

Field sample notes samples from the Heart, just below the really rusty part of the Heart. This is a greyer sample and is seen to represent the host rock (a cherty hornfels), as opposed to the sample which was analysed in this report with same number.

Hand Specimen Description: Grey cm to mm layered cherty rock with disseminated sulphides and black spots (Carbon spots?)

Magnetic (1), noncarbonate, nonconductive,

Thin Section Descriptions

Lithological observations:

Mineralogy

primary

Largely Very fine grained matrix of quartz and feldspar speckled with small black Carbon rich specks

Coarser layers show development of albite twinned feldspar laths (1/5 mm) in decussate fabric

secondary

Pyrite cubes and grains are disseminated throughout rock.

Magnetite grains are found near the carbon spots along with hematite/limonite rims

Clay alteration locally noted in felspars

weathering

Minor clay forming on chert.

Fabric

Fabric is granoblastic. Several of the more coarse layers show felted and twinned albite crystal now locally altered to clay

Interpretation

Rock is a bedded chert, hornfelsed by a nearby muscovite bearing granitic rock, and altered at a later date.

Plate 1: Photomicrographs

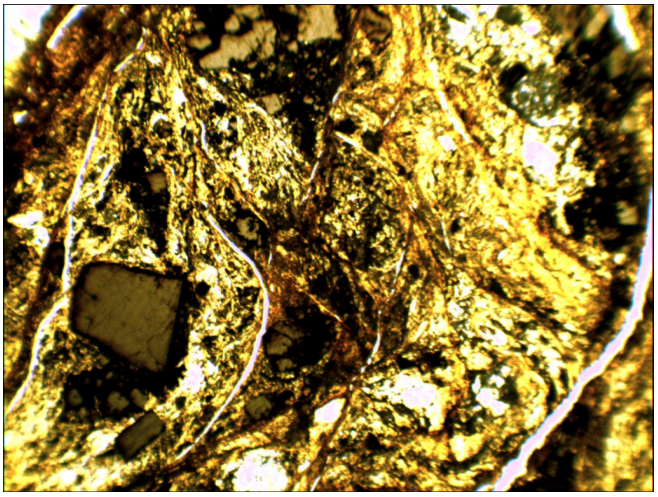

Plate 1a: (DX-1) Sample 16559 showing augen and related internal fabric of a shear zone.
FOV 2mm, Plane polarized light

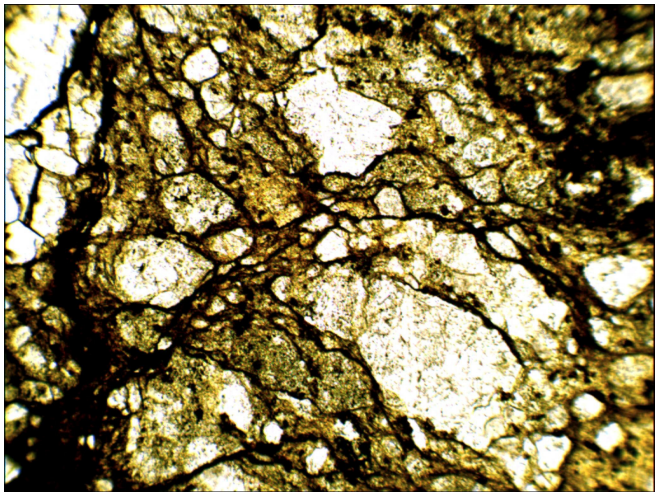

Plate 1b: (DX-2) Sample 16565 showing breccia and anastomosing veins formed in "dacitic" host rock.
FOV 2mm, Plane polarized light

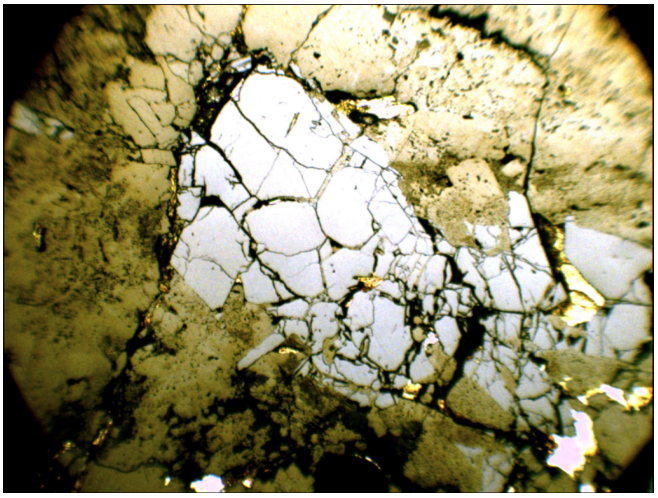

Plate 1c: (DX-3) Sample of 16603 showing deformed massive sulphide, grains of pyrite set in pyrrhotite.
Small veinlet of chalcopyrite in corner.
FOV 2mm, Reflected and Plane polarized light combined.

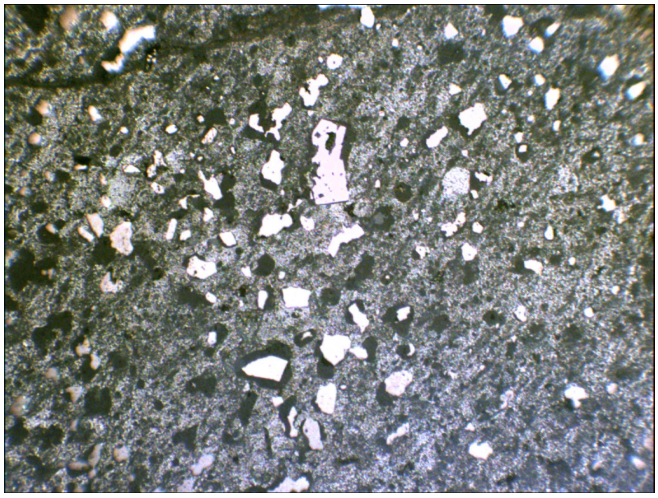

Plate 1d: (DX-5) Sample of 16620 (chert part) showing fabric of layered cherty host rock to adjacent dacitic rocks.
Note pyrite cubes and black areas which are magnetite, hematite/limonite and carbon porphyroblasts.
FOV 2mm, Reflected and Plane polarized light

Projection/Datum: UTM 9(N) NAD83

0 scale: 1:1000 40 m

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November 2013

Figure 8
Location of thin sections

Appendix C: PIMA results (SWIR data)

Results of mineralogical studies using infrared technology (PIMA) to study hydrous alteration minerals.

Results provided by Kim Heberlein, P.Geo., are presented below. Figure 9 shows the sample locations.

Kim Heberlein
21146 Stonehouse Avenue
Maple Ridge, B.C.
Canada V2X 8L9
Tel: 778-228-5231
604-466-2087

21st February 2013

Mikkel Schau
3919 Woodhaven Terrace
Victoria, BC
V8N 1S7
Canada

Attn: Mikkel Schau
Re: PIMA spectral analysis (KH200)

PIMA spectral analyses of 31 rock samples gave weak to moderately good results. The results are shown on the attached excel spreadsheet. The raw spectra are attached as .fos files. The spectra are also shown as a stacked plot below.
I have tried to answer your specific questions on the spreadsheet, and have included spectral parameters which should help. Minerals identified are listed in order of spectral importance. Please keep in mind that this is not the same as actual abundances, particularly for minerals which have different albedos (e.g. chlorites and white clays).

Minerals found include: muscovite, illite, smectite, chlorite, kaolinite, carbonate, epidote, prehnite, jarosite, gypsum, and probable silica. Probable organics were also identified.

Muscovite ranges from "normal" potassic to low Al (probable phengite - wavelengths above 2209nm; see "2200 wave").

Illite ranges from normal to low Al (phengitic?). Crystallinity ranges from illite/smectitic to high crystalline (sericitic).

Smectite is montmorillonite. There may also be Fe or Mg smectite associated with chlorite (16567A).

Carbonate is calcite.

Kaolinite is present in trace amounts.

Chlorite is Fe rich in composition (wavelengths above 2255nm; see "2250 wave")

Epidote is present associated with prehnite and calcite.

Gypsum features are weak, possibly due to anhydrite rather than gypsum.

Silica is identified based on the presence of liquid water features and is only identified positively with visual confirmation.

If you have any questions regarding the interpretation please don't hesitate to contact me.

Best Regards

Kim Heberlein, P.Geo.
kheberlein@shaw.ca

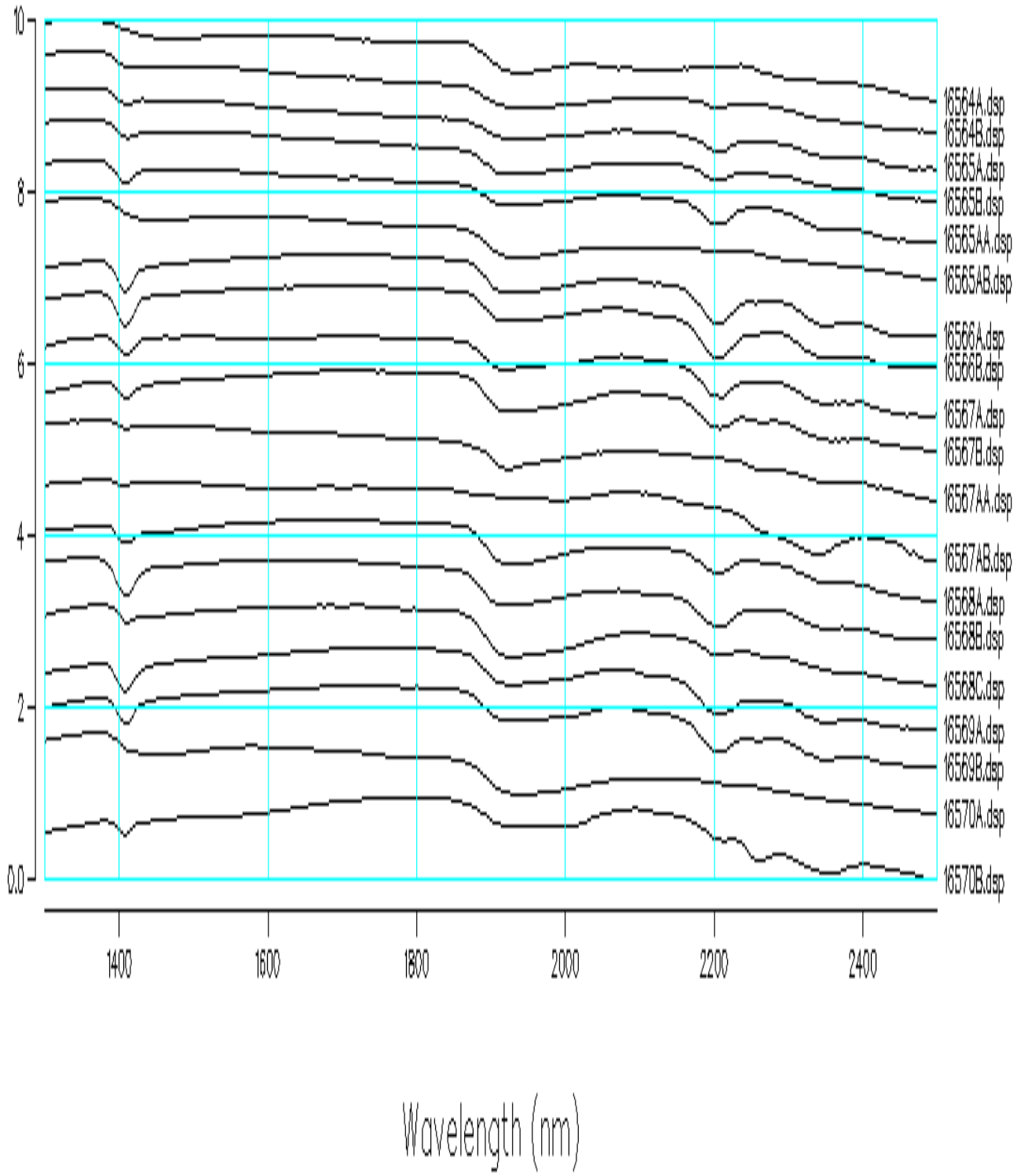

Figure 1: Stacked spectra for KH200

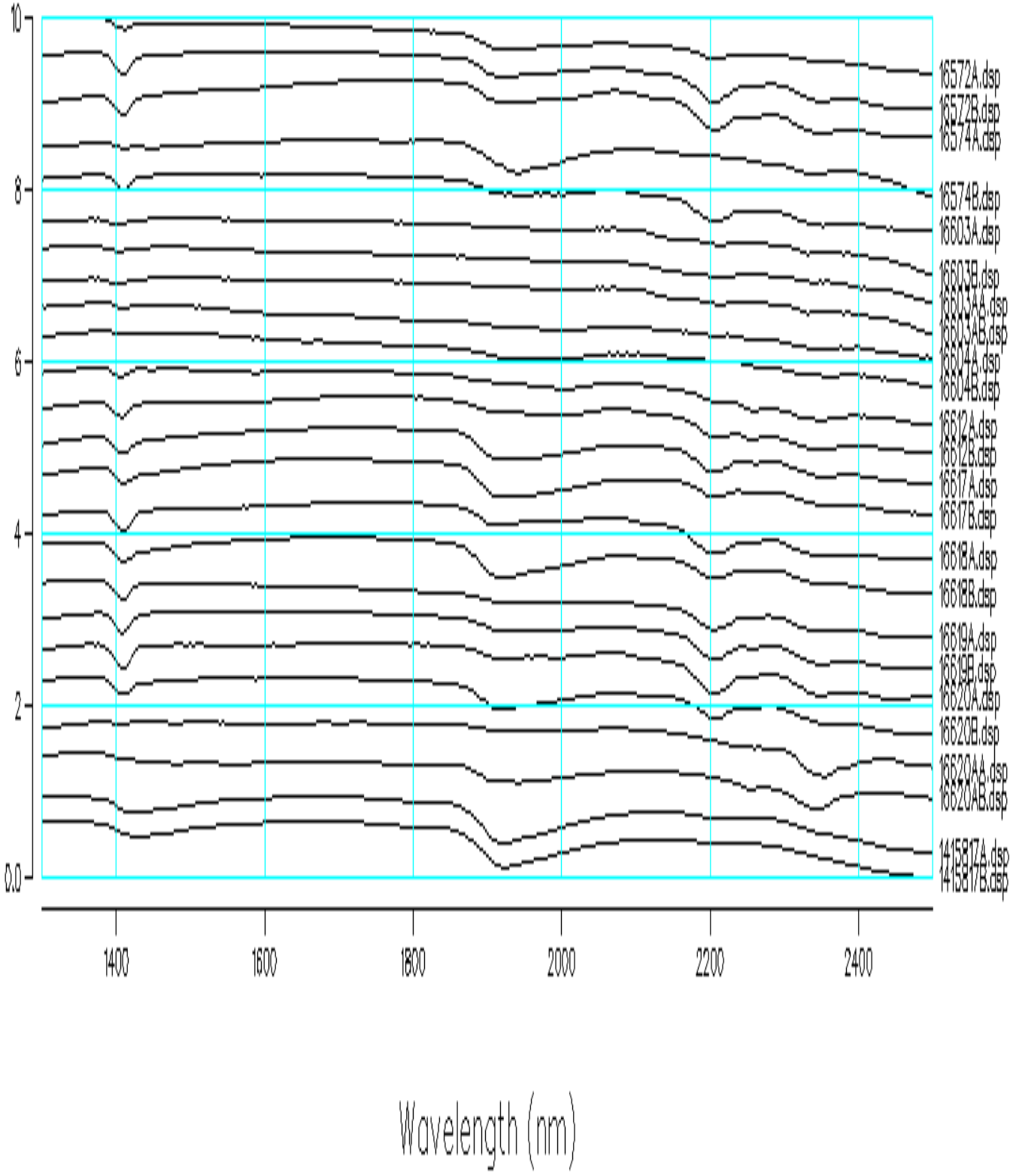

Figure 2: Stacked spectra for KH200 (contd)

PIMA SPECTRAL ANALYSIS
KH200

SAMPLE ID	SPECTRUM	2200 WAVE	2250 WAVE	2300 WAVE	MUS	Hi-XIn ILL	ILL	SMEC	KAO	CHL	CAR	EPID	JAR	GYP	SIL	OTHER	COLOUR	Mineral ID 1	Mineral ID 2	Mineral ID 3	Comments
16564	16564A			2313												X	White greenish altn	Organics			Lichen. No fresh surface
	16564B	2208					x								X?	x	Heavily FeOX GM	Silica?	Illite	Organics	
16565	16565A	2208					X		tr						x?		Grey, hard, strong FeOx		Illite	Silica?	
	16565B	2207					X	?	x				tr		x?		Grey, hard, strong FeOx	Illite	Kaolinite	tr Jarosite	
16565A	16565AA	2207					X		tr						x?		Grey, hard, strong FeOx	Illite		tr Kaolinite	
	16565AB														X?		Fracture surface, fine white needles	Silica?			
16566	16566A	2206					X						x		x?		Greybrown mod soft	Illite	Silica?	Jarosite	
	16566B	2205				X									x?		Greybrown mod soft	HiX Illite	Silica?		
16567	16567A	2212					X		x						X?		Rusty groundmass	Illite	Kaolinite		Higher wavelength probably due to kaolinite r.t. low Al illite
	16567B	2208	2266	2358			X	x	tr	x					x?		Rusty groundmass	Illite/smectite	Fe Chlorite		
16567A	16567AA		2264	2358				x		X							Dk greengrey fg	Fe Chlorite	Fe/Mg Smectite?		
	16567AB	2165	2258	2342						tr	X						White crystalline mass	Calcite		tr Chlorite	
16568	16568A	2206		2354			X	?	tr						x?		White specks	Illite	Silica?	tr Kaolinite	
	16568B	2207		2352			X		tr						x?		Rusty groundmass	Illite	Silica?		
	16568C	2210	2267	2380				X	x	x					X?		Hard browngrey	Silica?	Montmorillonite	Fe Chlorite	
16569	16569A	2208	2259	2353			X			x					x?		Grey/brown soft gm	Illite	Fe Chlorite		
	16569B	2208	2260	2353			X			x					x?		Grey/brown soft gm	Illite	Fe Chlorite		
16570	16570A														X?		Dk greybn fg	Silica?			
	16570B	2214	2261	2351			x			X							Greybrown fg soft	Fe Chlorite	Illite_low Al (phengitic)		
16572	16572A	2209	2270	2350			X						x		x?		Greengrey soft/sus	Illite_low Al (phengitic)	Jarosite		
	16572B	2206	2261	2351		X							x		x?		Greengrey soft/sus	HiX Illite	Jarosite		
16574	16574A	2207	2258	2350		X				x					x?		Greengrey gm	HiX Illite	Fe Chlorite		
	16574B	2223		2343							x			X			pink xln vn	Gypsum	Calcite		Gypsum/anhydrite?
16603	16603A	2208	2262			X				x					x?		Greengrey perv soft altn	HiX Illite	Fe Chlorite		
	16603B	2208	2259	2350		X				x					x?		Greengrey perv soft altn/white stringer	HiX Illite	Fe Chlorite		
16603A	16603AA	2213		2338	x						X						White/green speckled soft mass. Calc. Malachite?	Calcite	Phengite		Weak noisy spectra
	16603AB	2214			X						x						White/green speckled soft mass. Calc. Malachite?	Phengite	Calcite		Weak noisy spectra
16604	16604A	2210	2259	2352						X							Dk greengrey fg. Sus	Fe Chlorite	Illite_low Al (phengitic)		Weak noisy
	16604B		2267	2355						X							Dk greengrey fg. Sus	Fe Chlorite			
16612	16612A	2212	2259	2344		x				X					x?		Green soft fill w sus frags	Fe Chlorite	Illite_low Al (phengitic)		
	16612B	2212	2258	2349		x				X							Green soft fill w sus frags	Fe Chlorite	Illite_low Al (phengitic)		
16617	16617A	2208	2261	2356			X	x?		x					x?		Greengrey mod soft/sus	Illite/smectite	Fe Chlorite		
	16617B	2209	2267	2350			X	x?		x					x?		White stringers/edge	Illite/smectite	Fe Chlorite		
16618	16618A	2207	2255	2346		X				x							Grey mod hard	HiX Illite	Fe Chlorite		calc
	16618B	2207	2260	2352				X		x					x?		white fract coating, silica/fs	Montmorillonite	Fe Chlorite		
16619	16619A	2207	2260	2348	X				tr	x							Grey mod hard/sus	Muscovite	Fe Chlorite		
	16619B	2208	2259	2353	X	x				x							Grey mod hard/sus	Muscovite	Fe Chlorite		
16620W	16620A	2207	2260	2349		X				x							Grey qzy	Muscovite	Fe Chlorite		
	16620B	2207	2261	2354			X	x		x							White rusty	Illite/smectite	Fe Chlorite		
16620A	16620AA			2353							x?					X	Lt grey mod hard/sus	Prehnite			white vein calc
	16620AB		2257	2343								x			x?	X	White soft mass	Prehnite	Epidote		
1415817	1415817A	2211						x?							X?		browngrey vn	Silica?	Montmorillonite?		Mainly water features. Trace probable Al clay?
	1415817B	2214						?							X?	x	pink fp	Silica?			

X = Major component; x = minor; tr = trace; x? = probably present

Kim Heberlein
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25th March 2013

Mikkel Schau
3919 Woodhaven Terrace
Victoria, BC
V8N 1S7
Canada

Attn: Mikkel Schau
Re: PIMA spectral analysis (KH201)

PIMA spectral analyses of 2 rock samples gave moderately good results. The results are shown on the attached excel spreadsheet. The raw spectra are attached as .fos files. The spectra are also shown as a stacked plot below.

Minerals found include: Illite, chlorite, kaolinite, probable silica and probable anhydrite.

16559

Strong presence of FeOX in rock

Chlorite is Fe rich.

No other clay was noted.

Anhydrite/gypsum is probably present.

16808

Illite composition is “normal”.

Weak chlorite is present.

Silica is identified based on the presence of liquid water features.

Kaolinite is present in trace amounts.

If you have any questions regarding the interpretation please don't hesitate to contact me.

Best Regards

Kim Heberlein, P.Geo.
kheberlein@shaw.ca

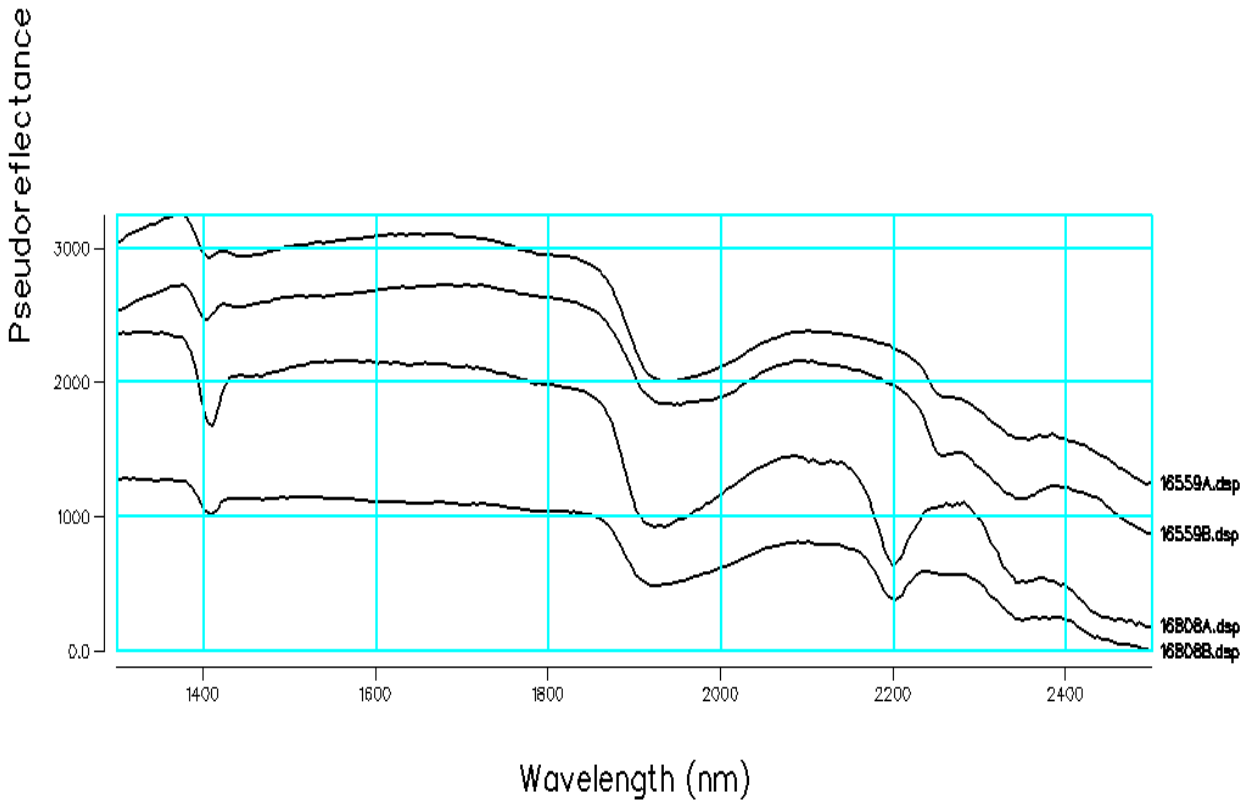


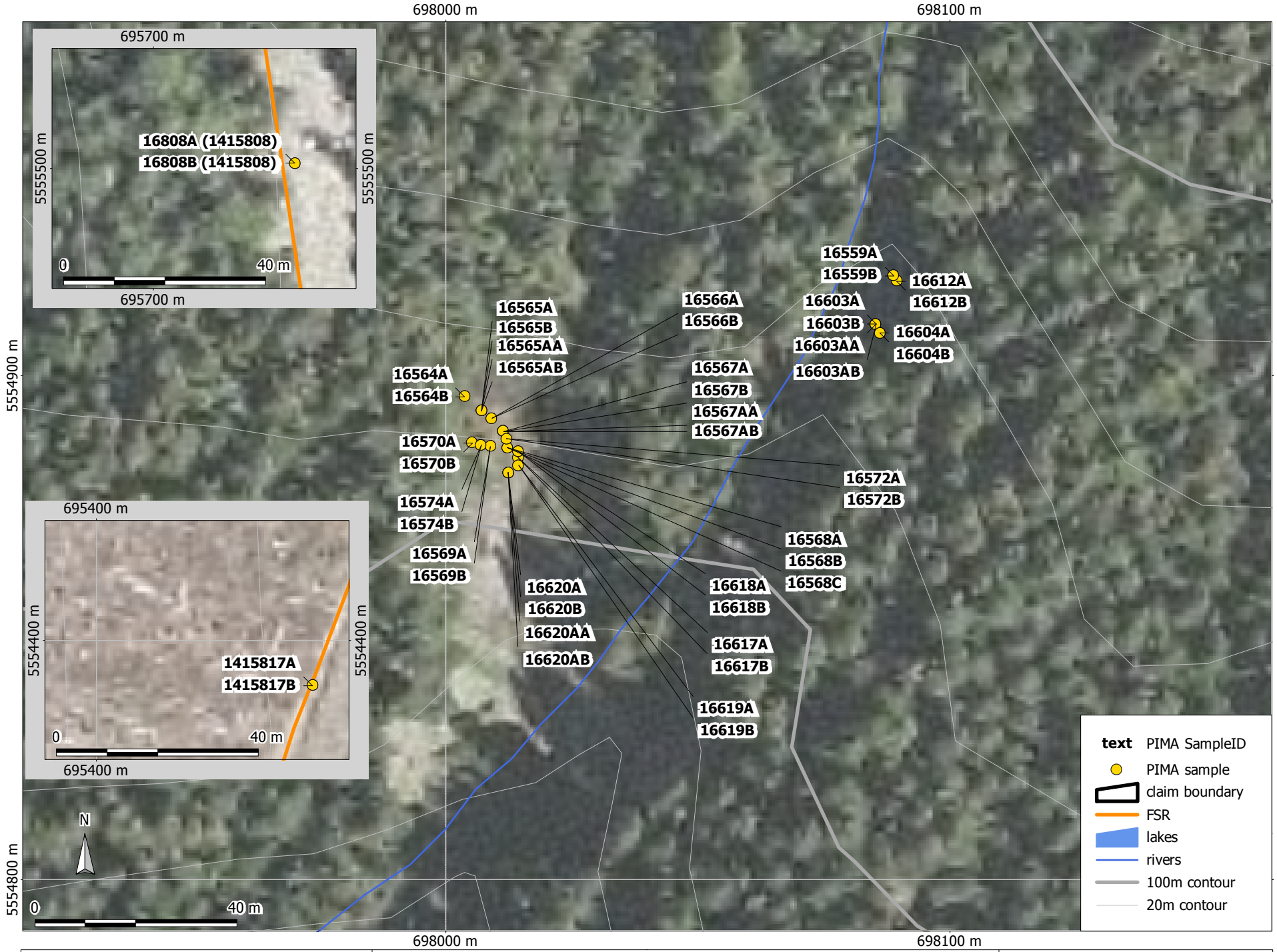
Figure 1: Stacked spectra for KH201

PIMA SPECTRAL ANALYSIS
KH201

SAMPLE ID	SPECTRUM	2200 WAVE	2250 WAVE	2300 WAVE	MUS	Hi-Xln ILL	ILL	SMEC	KAO	CHL	CAR	EPID	JAR	GYP	SIL	OTHER	COLOUR	Mineral ID 1	Mineral ID 2	Mineral ID 3	Comments
16559	16559A		2256	2356						X				x?	?		Strong FeOx soft perv altn, fg, rotten	Fe Chlorite	Anhydrite?		
	16559B		2258	2345						X				x?	?		Strong FeOx soft perv altn, fg, rotten	Fe Chlorite	Anhydrite?		
16808	16808A	2201		2354			X		tr						x?		Bi GRAN, pink/grey fs weak altn	Illite	Silica?	Kaolinite	
	16808B	2201	2257	2346			X		tr	x					x?		Bi GRAN, pink/grey fs weak altn	Illite	Chlorite	Kaolinite	

X = Major component; x = minor; tr = trace; x? = probably present
2013-10-15

K. Heberlein



Projection/Datum: UTM 9(N) NAD83
0 scale: 1:1000 40 m

THE FLAN PROJECT
October 2013

Figure 9
Location of PIMA samples

Appendix D: Assay certificates

Rock

Certificate VAN12004218.2 (only the samples with whole rock analyses are part of this claim).

Soil

Certificate VAN13002335.1

Acme Analytical Laboratories (Vancouver) Ltd.

PHONE (604) 253-3158

www.acmelab.com

Client: **Schau, Mikkel**
3919 Woodhaven Terrace
Victoria BC V8N 1S7 Canada

Submitted By: Mikkel Schau
Receiving Lab: Canada-Vancouver
Received: September 05, 2012
Report Date: March 16, 2013
Page: 1 of 4

CERTIFICATE OF ANALYSIS VAN12004218.2

CLIENT JOB INFORMATION

Project: FLAN
Shipment ID: RK 2012-09
P.O. Number
Number of Samples: 71

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
RTRN-RJT Return

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	71	Crush, split and pulverize 250 g rock to 200 mesh			VAN
M150	2	Crush, Pulverize and Sieve 500g, save +150 and -150 mes			VAN
GEO4	71	FA fusion Au Pt Pd; 1:1:1 AR digestion ICP-ES analysis	30	Completed	VAN
M150	2	Weight Total fraction by metallics screen 150# ty			VAN
G604	2	Metallic Au and Ag	30	Completed	VAN
4A4B	15	Whole Rock Analysis Majors and Trace Elements	0.2	Completed	VAN

ADDITIONAL COMMENTS

Version 2 : 4A4B included.

Invoice To: Schau, Mikkel
3919 Woodhaven Terrace
Victoria BC V8N 1S7
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
Country Manager - Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

PHONE (604) 253-3158

Client: **Schau, Mikkel**
3919 Woodhaven Terrace
Victoria BC V8N 1S7 Canada

Project: FLAN
Report Date: March 16, 2013

CERTIFICATE OF ANALYSIS VAN12004218.2

Method		WGHT	M150	3B	3B	3B	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte		Wgt	TotWt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb
Unit		kg	g	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.01	1	2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3
G1	Prep Blank	<0.01	544	<2	<3	<2	<1	<1	<3	44	0.4	3	4	534	1.87	<2	<2	4	49	<0.5	<3
G1	Prep Blank	<0.01	N.A.	<2	<3	<2	<1	<1	3	46	<0.3	3	4	555	1.98	<2	<2	3	51	<0.5	<3
016551	Rock	0.80	N.A.	4	8	13	<1	108	<3	15	0.7	260	45	172	3.21	<2	<2	<2	20	0.8	<3
016552	Rock	0.39	N.A.	48	4	33	<1	236	<3	87	0.7	61	39	652	8.28	26	<2	<2	92	1.0	<3
016553	Rock	0.47	N.A.	7	<3	24	<1	152	<3	34	<0.3	37	20	303	3.18	16	<2	<2	116	1.4	<3
016554	Rock	0.84	N.A.	23	<3	21	<1	196	<3	21	0.7	15	8	184	1.70	<2	<2	<2	14	<0.5	<3
016555	Rock	0.80	N.A.	11	<3	32	7	265	<3	32	<0.3	38	26	249	4.51	5	<2	<2	6	0.5	<3
016556	Rock	0.91	N.A.	51	<3	31	<1	325	<3	54	0.6	29	20	516	4.13	15	<2	<2	23	0.8	<3
016557	Rock	0.68	N.A.	1009	8	11	<1	231	18	162	<0.3	267	32	1829	15.08	303	<2	<2	<1	0.8	<3
016558	Rock	0.85	N.A.	776	5	13	<1	140	10	130	<0.3	160	12	1279	11.57	151	<2	<2	48	<0.5	<3
016559	Rock	0.85	N.A.	5222	8	15	<1	1032	76	788	3.2	222	19	1966	22.20	73	4	<2	<1	11.4	<3
016560	Rock	1.17	N.A.	2984	9	15	<1	104	131	193	1.9	193	12	2177	17.82	834	2	<2	<1	0.9	<3
016561	Rock	1.05	N.A.	21	<3	13	<1	163	4	22	<0.3	171	25	188	2.58	15	<2	<2	87	<0.5	<3
016562	Rock	1.07	N.A.	22	<3	31	<1	286	4	40	<0.3	35	26	327	5.90	4	<2	<2	11	0.8	<3
016563	Rock	0.66	N.A.	9	<3	34	<1	261	<3	29	<0.3	25	16	255	3.63	8	<2	<2	36	<0.5	<3
016601	Rock	0.78	N.A.	8	<3	18	<1	260	<3	12	<0.3	20	16	149	2.47	18	<2	<2	40	<0.5	<3
016602	Rock	0.41	N.A.	8	<3	31	<1	415	9	144	<0.3	38	16	1424	11.46	29	<2	<2	19	0.9	<3
016603	Rock	0.94	N.A.	6228	<3	30	<1	4875	<3	1218	9.5	55	208	897	32.89	>10000	<2	<2	2	18.1	48
016604	Rock	1.04	N.A.	2761	<3	29	<1	1304	17	154	3.0	46	74	1312	23.54	>10000	<2	<2	1	<0.5	21
016605	Rock	0.76	N.A.	43	<3	31	<1	269	<3	97	<0.3	44	32	1521	10.60	633	<2	<2	19	<0.5	<3
016606	Rock	0.61	N.A.	24	<3	16	2	821	<3	23	<0.3	34	31	234	11.22	207	<2	<2	12	<0.5	<3
016607	Rock	0.70	N.A.	18	<3	5	<1	397	10	57	0.3	14	9	253	8.53	70	<2	<2	4	<0.5	<3
016608	Rock	0.53	N.A.	13	3	25	107	1225	4	45	0.6	39	29	300	8.16	20	<2	<2	8	<0.5	<3
016609	Rock	0.57	N.A.	8	<3	21	<1	164	<3	37	0.3	28	13	208	2.46	45	<2	<2	180	0.5	<3
016610	Rock	0.53	N.A.	4	5	12	<1	44	<3	115	<0.3	402	40	365	3.15	133	<2	<2	99	0.7	<3
016611	Rock	0.61	N.A.	<2	<3	13	<1	78	<3	81	<0.3	425	46	528	3.45	280	<2	<2	103	1.2	<3
016612	Rock	0.82	N.A.	2190	<3	8	2	1341	12	686	1.0	178	60	2005	30.84	>10000	<2	<2	1	5.5	<3
016613	Rock	0.79	N.A.	13	<3	33	<1	325	<3	21	<0.3	14	8	228	2.74	32	<2	<2	6	<0.5	<3
016614	Rock	0.41	N.A.	235	<3	31	2	488	<3	59	0.4	51	39	637	7.87	604	<2	<2	60	<0.5	<3
016615	Rock	0.50	N.A.	7	<3	33	<1	322	<3	48	0.5	26	18	233	3.15	20	<2	<2	89	<0.5	<3

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Project: FLAN
Report Date: March 16, 2013

CERTIFICATE OF ANALYSIS VAN12004218.2

Method		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	G6.ME	G6.ME	G6.ME
Analyte		Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Ga	S	Sc	Tot Wt	+ Wt	+Ag
Unit		ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	%	ppm	g	g	mg
MDL		3	1	0.01	0.001	1	1	0.01	1	0.01	20	0.01	0.01	0.01	2	5	0.05	5	1	0.01	0.001
G1	Prep Blank	<3	34	0.41	0.077	7	7	0.57	225	0.11	<20	0.90	0.07	0.46	3	7	<0.05	<5	544	24.41	0.062
G1	Prep Blank	5	36	0.42	0.080	7	8	0.59	234	0.11	<20	0.94	0.07	0.48	3	7	<0.05	<5	N.A.	N.A.	N.A.
016551	Rock	<3	33	0.71	0.015	<1	124	0.80	9	0.09	<20	1.00	0.16	0.02	<2	<5	1.61	<5	N.A.	N.A.	N.A.
016552	Rock	<3	402	1.51	0.090	2	84	3.00	85	0.32	<20	5.29	0.28	0.16	3	22	0.32	13	N.A.	N.A.	N.A.
016553	Rock	<3	146	2.17	0.078	3	53	0.99	48	0.26	<20	3.89	0.27	0.07	<2	13	0.09	5	N.A.	N.A.	N.A.
016554	Rock	<3	64	1.01	0.080	2	16	0.50	11	0.13	<20	0.99	0.13	0.05	<2	12	<0.05	<5	N.A.	N.A.	N.A.
016555	Rock	<3	138	0.78	0.073	3	9	0.38	2	0.18	<20	0.74	0.06	0.02	<2	10	1.11	<5	N.A.	N.A.	N.A.
016556	Rock	3	168	1.17	0.086	3	17	1.06	13	0.24	<20	1.81	0.09	0.02	<2	8	0.07	11	N.A.	N.A.	N.A.
016557	Rock	<3	221	0.10	0.021	<1	835	5.61	5	0.11	<20	6.55	<0.01	0.02	<2	18	0.38	29	N.A.	N.A.	N.A.
016558	Rock	6	151	0.43	0.014	<1	554	4.33	16	0.10	<20	5.10	0.02	0.03	<2	12	0.25	21	N.A.	N.A.	N.A.
016559	Rock	38	272	0.06	0.023	<1	956	6.21	<1	0.12	<20	8.06	<0.01	<0.01	<2	22	3.11	36	N.A.	N.A.	N.A.
016560	Rock	31	295	0.06	0.017	<1	1039	6.26	13	0.17	<20	7.57	<0.01	0.04	<2	16	0.20	36	N.A.	N.A.	N.A.
016561	Rock	<3	38	2.06	0.035	<1	72	0.80	10	0.12	<20	3.10	0.34	0.02	2	9	0.69	<5	N.A.	N.A.	N.A.
016562	Rock	<3	141	0.69	0.079	3	16	0.76	5	0.31	<20	1.27	0.07	0.02	<2	9	2.24	8	N.A.	N.A.	N.A.
016563	Rock	<3	156	1.04	0.073	3	13	0.47	21	0.20	<20	1.26	0.17	0.04	<2	5	0.38	5	N.A.	N.A.	N.A.
016601	Rock	<3	43	1.47	0.048	1	24	0.40	18	0.14	<20	2.17	0.26	0.02	<2	9	0.83	<5	N.A.	N.A.	N.A.
016602	Rock	<3	385	1.20	0.092	2	39	2.51	25	0.28	<20	4.26	0.03	0.06	<2	20	1.09	21	N.A.	N.A.	N.A.
016603	Rock	32	245	0.21	0.053	<1	22	1.41	16	0.10	<20	2.89	<0.01	0.04	2	15	11.58	14	N.A.	N.A.	N.A.
016604	Rock	29	364	0.17	0.069	<1	34	1.95	19	0.15	<20	3.72	<0.01	0.05	4	21	6.70	18	N.A.	N.A.	N.A.
016605	Rock	<3	382	3.36	0.068	2	34	2.39	30	0.18	<20	3.32	<0.01	0.09	<2	19	1.77	24	N.A.	N.A.	N.A.
016606	Rock	<3	90	0.72	0.046	1	8	0.37	7	0.19	<20	1.15	0.07	0.01	3	6	6.27	6	N.A.	N.A.	N.A.
016607	Rock	<3	19	0.46	0.037	2	6	0.28	2	0.13	<20	0.75	0.04	<0.01	<2	8	4.22	<5	N.A.	N.A.	N.A.
016608	Rock	<3	119	0.85	0.071	2	13	0.71	7	0.25	<20	1.12	0.06	0.02	2	5	3.87	<5	N.A.	N.A.	N.A.
016609	Rock	<3	85	2.68	0.061	2	39	0.76	48	0.16	<20	4.11	0.26	0.05	3	15	0.07	<5	N.A.	N.A.	N.A.
016610	Rock	<3	40	1.26	0.015	<1	400	2.95	22	0.05	<20	3.59	0.08	0.05	<2	8	<0.05	<5	N.A.	N.A.	N.A.
016611	Rock	5	68	2.10	0.018	<1	395	2.47	21	0.06	<20	4.62	0.18	0.04	<2	<5	0.11	9	N.A.	N.A.	N.A.
016612	Rock	<3	178	0.11	0.046	<1	33	3.67	7	0.03	<20	5.52	<0.01	0.02	<2	15	7.13	23	N.A.	N.A.	N.A.
016613	Rock	<3	99	0.76	0.070	2	12	0.50	3	0.21	<20	0.78	0.07	0.03	<2	<5	0.38	<5	N.A.	N.A.	N.A.
016614	Rock	<3	170	3.63	0.086	2	19	1.41	20	0.21	<20	3.96	0.18	0.05	<2	9	1.84	10	N.A.	N.A.	N.A.
016615	Rock	<3	134	2.61	0.084	5	24	1.01	22	0.19	<20	4.26	0.25	0.03	<2	16	0.11	<5	N.A.	N.A.	N.A.

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Report Date: March 16, 2013

CERTIFICATE OF ANALYSIS VAN12004218.2

	Method	G6.ME	G6.ME	G6.ME	G6.ME	G6.ME	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
	Analyte	- Ag	Tot Ag	+ Au	- Au	Tot Au	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum
	Unit	gm/t	gm/t	mg	gm/t	gm/t	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%
	MDL	5	5	0.001	0.17	0.17	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01
G1	Prep Blank	11	11	<0.001	<0.17	<0.17	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016551	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016552	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016553	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016554	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016555	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016556	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	48.80	12.00	16.96	5.38	8.11	2.63	0.24	2.47	0.23	0.26	0.009	61	41	2.6	99.71
016557	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016558	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	47.37	12.77	18.17	10.55	2.69	0.27	0.20	0.51	0.06	0.20	0.113	229	33	6.8	99.74
016559	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	23.94	16.58	30.82	11.87	0.29	<0.01	0.01	0.61	0.08	0.26	0.148	217	41	14.9	99.49
016560	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016561	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016562	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	48.58	12.56	15.40	4.87	8.15	3.31	0.24	2.38	0.23	0.20	0.008	40	40	3.8	99.72
016563	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016601	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016602	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016603	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	18.59	6.91	38.46	2.77	0.57	0.02	0.41	1.35	0.13	0.19	0.007	64	23	23.4	92.82
016604	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	33.25	8.72	30.30	3.73	0.99	0.01	0.44	2.07	0.17	0.22	0.006	55	31	14.0	93.89
016605	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016606	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016607	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016608	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	48.94	11.33	15.85	4.52	7.60	3.34	0.26	1.93	0.19	0.21	0.007	41	33	5.4	99.62
016609	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016610	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016611	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	45.62	15.33	11.35	12.48	8.47	1.13	0.40	0.61	0.06	0.19	0.167	534	42	3.8	99.69
016612	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	15.22	12.37	46.68	7.39	0.55	<0.01	0.18	0.61	0.12	0.26	0.008	208	29	16.1	99.52
016613	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016614	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016615	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Project: FLAN
Report Date: March 16, 2013

CERTIFICATE OF ANALYSIS VAN12004218.2

	Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
	Analyte	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016551	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016552	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016553	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016554	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016555	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016556	Rock	75	1	41.8	0.1	18.2	3.9	9.8	3.9	<1	151.9	0.6	1.2	0.4	525	0.8	145.3	42.1	9.2	23.5	3.45
016557	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016558	Rock	71	<1	22.5	<0.1	13.9	0.7	0.8	3.8	<1	60.9	<0.1	<0.2	0.1	206	<0.5	21.3	11.0	1.0	1.8	0.34
016559	Rock	3	1	17.8	<0.1	19.6	0.8	0.6	0.3	<1	<0.5	<0.1	0.2	0.2	273	<0.5	26.0	17.0	0.9	1.3	0.24
016560	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016561	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016562	Rock	115	<1	31.9	<0.1	18.8	3.8	8.9	2.9	<1	216.2	0.6	1.2	0.5	526	<0.5	141.8	40.6	9.7	24.0	3.58
016563	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016601	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016602	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016603	Rock	143	2	160.9	0.1	10.5	2.8	4.8	8.3	3	3.5	0.3	0.5	0.3	304	0.8	81.2	15.2	5.1	11.9	1.70
016604	Rock	163	2	62.3	<0.1	15.7	3.4	7.5	9.8	2	4.0	0.6	0.9	0.5	415	1.0	124.8	39.8	6.3	14.1	2.02
016605	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016606	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016607	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016608	Rock	160	<1	30.9	<0.1	14.3	3.6	7.8	3.3	1	147.0	0.5	1.2	0.8	421	<0.5	127.7	35.5	8.6	20.3	3.11
016609	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016610	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016611	Rock	111	<1	65.4	0.1	12.3	0.8	0.8	8.8	<1	153.7	0.1	<0.2	<0.1	247	<0.5	25.1	15.8	1.3	3.4	0.50
016612	Rock	65	2	64.6	<0.1	16.5	2.4	1.1	3.8	<1	2.2	<0.1	0.9	0.6	223	1.0	78.5	6.6	8.7	19.6	2.91
016613	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016614	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016615	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Project: FLAN
Report Date: March 16, 2013

CERTIFICATE OF ANALYSIS VAN12004218.2

	Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ni	As	Cd
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.1	0.1	0.1	1	0.1	0.5	0.1
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016551	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016552	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016553	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016554	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016555	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016556	Rock	17.6	5.28	1.84	7.07	1.19	7.73	1.56	4.29	0.64	3.91	0.58	0.13	0.08	0.3	322.1	1.4	50	29.8	12.6	0.1
016557	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016558	Rock	1.8	0.80	0.26	1.23	0.26	1.79	0.41	1.24	0.18	1.18	0.18	0.11	0.32	0.2	158.0	16.3	127	157.1	150.5	<0.1
016559	Rock	1.6	0.52	0.13	1.31	0.31	2.52	0.55	1.88	0.29	1.75	0.33	0.13	4.24	0.6	1075	85.0	744	211.8	74.1	8.5
016560	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016561	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016562	Rock	17.0	5.30	1.85	6.65	1.18	7.53	1.47	4.36	0.62	4.30	0.56	0.06	2.47	1.5	296.5	3.8	43	38.0	6.5	0.2
016563	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016601	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016602	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016603	Rock	8.0	2.00	0.50	1.89	0.37	2.68	0.51	1.41	0.26	1.48	0.23	0.06	16.54	0.6	5067	16.7	1226	56.4	>10000	22.9
016604	Rock	9.3	2.67	0.50	3.67	0.81	6.57	1.27	3.91	0.64	3.54	0.56	0.05	8.56	1.0	1378	25.9	145	41.0	>10000	1.3
016605	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016606	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016607	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016608	Rock	14.1	4.42	1.48	5.76	1.06	6.55	1.42	3.81	0.57	3.74	0.54	0.04	4.28	105.2	1313	3.9	47	40.2	26.5	0.2
016609	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016610	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016611	Rock	3.9	1.13	0.54	2.01	0.38	2.82	0.61	1.73	0.26	1.70	0.30	0.08	0.17	<0.1	82.6	1.8	75	444.5	310.7	0.4
016612	Rock	12.0	2.51	0.23	1.58	0.23	1.48	0.24	0.74	0.13	0.99	0.20	0.11	14.65	3.3	1397	31.3	714	177.9	>10000	8.1
016613	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016614	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016615	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Project: FLAN
Report Date: March 16, 2013

CERTIFICATE OF ANALYSIS VAN12004218.2

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Sb	Bi	Ag	Au	Hg	Tl	Se
Unit		ppm	ppm	ppm	ppb	ppm	ppm	ppm
MDL		0.1	0.1	0.1	0.5	0.01	0.1	0.5
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016551	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016552	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016553	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016554	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016555	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016556	Rock	0.1	0.1	0.7	981.3	<0.01	<0.1	<0.5
016557	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016558	Rock	0.2	9.7	0.8	434.6	<0.01	<0.1	0.9
016559	Rock	0.4	49.3	3.6	4109	0.02	<0.1	2.2
016560	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016561	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016562	Rock	0.3	0.6	0.3	13.5	<0.01	<0.1	1.4
016563	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016601	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016602	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016603	Rock	82.9	32.7	11.9	7951	0.02	0.2	12.6
016604	Rock	44.3	27.5	3.5	2887	<0.01	<0.1	7.8
016605	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016606	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016607	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016608	Rock	0.4	0.1	0.5	11.2	<0.01	<0.1	2.5
016609	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016610	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016611	Rock	0.2	0.4	0.1	6.7	<0.01	<0.1	<0.5
016612	Rock	3.0	5.6	1.8	759.4	0.03	<0.1	3.5
016613	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016614	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016615	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Project: FLAN
Report Date: March 16, 2013

CERTIFICATE OF ANALYSIS VAN12004218.2

Method		WGHT	M150	3B	3B	3B	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
Analyte		Wgt	TotWt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb
Unit		kg	g	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.01	1	2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3
016564	Rock	2.33	N.A.	1483	<3	3	<1	339	<3	5	0.9	<1	<1	27	13.18	8737	<2	10	6	<0.5	<3
016565	Rock	4.13	N.A.	3075	<3	<2	<1	711	<3	23	1.7	<1	7	279	6.38	>10000	3	5	2	<0.5	<3
016566	Rock	3.75	N.A.	1229	<3	<2	<1	249	<3	17	0.7	<1	9	265	5.66	7164	<2	5	3	<0.5	<3
016567	Rock	3.88	N.A.	742	<3	<2	<1	164	<3	12	1.2	<1	3	221	5.61	1833	<2	5	3	<0.5	<3
016568	Rock	4.15	N.A.	1095	<3	<2	<1	280	<3	20	0.7	<1	2	228	6.63	243	<2	5	11	<0.5	<3
016569	Rock	2.00	N.A.	595	<3	<2	<1	151	<3	19	<0.3	<1	2	534	5.01	117	<2	4	27	<0.5	<3
016570	Rock	2.30	N.A.	201	<3	16	<1	251	<3	118	<0.3	78	44	2346	10.69	2306	<2	<2	25	<0.5	<3
016571	Rock	2.31	N.A.	59	<3	18	<1	415	<3	116	0.3	86	41	2210	9.53	53	<2	<2	48	<0.5	<3
016572	Rock	2.62	N.A.	1071	<3	<2	1	517	<3	26	0.7	<1	2	347	7.21	131	<2	5	2	<0.5	<3
016616	Rock	0.41	N.A.	6	<3	16	<1	237	<3	53	<0.3	52	26	492	4.22	50	<2	<2	162	<0.5	<3
1415801	Rock	2.20	619	>10000	<3	7	7	>10000	<3	1265	49.1	62	343	496	36.06	<2	83	<2	<1	12.1	<3
1415802	Rock	0.83	N.A.	36	<3	15	<1	418	<3	62	<0.3	45	22	1520	4.54	12	<2	<2	95	<0.5	<3
1415803	Rock	0.52	N.A.	3	<3	<2	<1	17	<3	3	<0.3	2	1	1015	0.32	<2	<2	<2	164	0.6	<3
1415804	Rock	0.28	N.A.	2	<3	30	<1	278	<3	46	<0.3	42	29	296	4.04	<2	<2	<2	26	<0.5	<3
1415805	Rock	0.73	N.A.	6	<3	23	<1	226	<3	27	<0.3	18	11	258	2.68	3	<2	<2	72	<0.5	<3
1415806	Rock	0.33	N.A.	<2	<3	<2	4	171	14	46	0.4	<1	6	359	4.03	<2	<2	7	8	<0.5	<3
1415807	Rock	0.76	N.A.	<2	<3	<2	2	29	<3	42	<0.3	<1	<1	364	1.37	<2	<2	7	13	<0.5	<3
1415808	Rock	0.25	N.A.	<2	<3	<2	<1	2	<3	18	<0.3	<1	<1	469	0.72	<2	<2	8	8	<0.5	<3
1415809	Rock	0.48	N.A.	<2	<3	<2	<1	1	<3	13	<0.3	<1	<1	484	0.85	5	<2	8	4	<0.5	<3
1415810	Rock	0.75	N.A.	<2	<3	<2	<1	7	<3	15	<0.3	<1	<1	406	0.76	6	<2	7	4	<0.5	<3
1415811	Rock	0.48	N.A.	<2	<3	10	<1	682	<3	42	<0.3	84	54	297	3.95	<2	<2	<2	26	<0.5	<3
1415812	Rock	0.36	N.A.	<2	<3	<2	<1	5	<3	27	<0.3	3	2	683	1.07	2	<2	5	37	<0.5	<3
1415813	Rock	0.63	N.A.	<2	<3	<2	<1	3	<3	15	<0.3	1	1	492	0.81	<2	<2	5	144	<0.5	<3
1415814	Rock	0.72	N.A.	<2	<3	<2	<1	2	<3	27	<0.3	<1	1	647	1.10	<2	<2	6	15	<0.5	<3
1415815	Rock	0.92	N.A.	<2	<3	<2	<1	6	<3	36	<0.3	2	<1	383	0.67	<2	<2	6	51	<0.5	<3
1415816	Rock	0.91	N.A.	<2	<3	<2	<1	2	4	20	<0.3	<1	<1	418	0.60	<2	<2	9	14	<0.5	<3
1415817	Rock	0.74	N.A.	<2	<3	<2	<1	2	<3	18	<0.3	<1	<1	574	0.75	<2	<2	8	33	<0.5	<3
1415818	Rock	0.55	N.A.	<2	<3	<2	<1	3	<3	24	<0.3	<1	<1	275	0.82	<2	<2	9	5	<0.5	<3
1415819	Rock	1.19	529	773	<3	3	7	8195	73	365	71.2	2	120	519	23.91	95	9	<2	<1	3.1	<3
1416001	Rock	1.52	N.A.	3	4	24	2	203	<3	74	0.4	68	43	454	6.81	<2	<2	<2	39	<0.5	<3

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Project: FLAN
Report Date: March 16, 2013

CERTIFICATE OF ANALYSIS VAN12004218.2

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	G6.ME	G6.ME	G6.ME
	Analyte	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Ga	S	Sc	Tot Wt	+ Wt	+Ag
	Unit	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	%	ppm	g	g	mg
	MDL	3	1	0.01	0.001	1	1	0.01	1	0.01	20	0.01	0.01	0.01	2	5	0.05	5	1	0.01	0.001
016564	Rock	<3	11	0.04	0.050	5	2	0.02	125	0.02	<20	0.51	<0.01	0.20	<2	<5	<0.05	<5	N.A.	N.A.	N.A.
016565	Rock	5	6	0.05	0.034	3	<1	0.25	91	0.03	<20	1.22	<0.01	0.20	<2	7	0.94	<5	N.A.	N.A.	N.A.
016566	Rock	<3	6	0.04	0.033	2	1	0.26	95	0.02	<20	1.11	<0.01	0.21	<2	6	0.76	<5	N.A.	N.A.	N.A.
016567	Rock	3	5	0.05	0.032	4	<1	0.23	77	0.01	<20	1.02	<0.01	0.18	<2	<5	0.56	<5	N.A.	N.A.	N.A.
016568	Rock	<3	6	0.08	0.040	5	2	0.23	124	0.02	<20	1.50	<0.01	0.24	<2	<5	0.89	<5	N.A.	N.A.	N.A.
016569	Rock	<3	7	0.43	0.042	6	<1	0.28	129	0.02	<20	1.46	<0.01	0.22	<2	<5	0.29	<5	N.A.	N.A.	N.A.
016570	Rock	<3	278	3.37	0.060	7	174	3.31	42	0.10	<20	5.27	<0.01	0.10	<2	11	0.27	23	N.A.	N.A.	N.A.
016571	Rock	<3	289	4.51	0.063	7	181	3.23	33	0.20	<20	4.96	0.01	0.08	<2	10	0.05	26	N.A.	N.A.	N.A.
016572	Rock	<3	7	0.13	0.042	5	2	0.34	127	0.02	<20	1.64	<0.01	0.28	<2	<5	3.08	<5	N.A.	N.A.	N.A.
016616	Rock	<3	151	3.11	0.065	3	86	1.34	52	0.43	<20	4.27	0.14	0.06	<2	11	0.08	11	N.A.	N.A.	N.A.
1415801	Rock	39	87	0.04	0.018	2	4	0.53	2	0.02	<20	1.14	<0.01	<0.01	<2	<5	14.36	6	619	22.63	2.023
1415802	Rock	<3	177	9.26	0.054	2	75	1.59	6	0.17	<20	2.50	0.02	0.03	<2	9	0.06	8	N.A.	N.A.	N.A.
1415803	Rock	<3	12	34.96	<0.001	<1	2	0.10	2	0.01	<20	0.15	<0.01	<0.01	<2	<5	<0.05	<5	N.A.	N.A.	N.A.
1415804	Rock	<3	159	1.10	0.093	4	21	1.00	48	0.24	<20	1.73	0.17	0.03	<2	6	0.44	7	N.A.	N.A.	N.A.
1415805	Rock	<3	179	1.50	0.086	5	13	0.55	73	0.17	<20	1.54	0.21	0.05	<2	<5	<0.05	<5	N.A.	N.A.	N.A.
1415806	Rock	<3	3	0.10	0.012	6	3	0.07	61	<0.01	<20	0.71	0.03	0.25	<2	<5	2.96	<5	N.A.	N.A.	N.A.
1415807	Rock	<3	3	0.14	0.013	8	3	0.08	66	0.01	<20	0.74	0.04	0.25	<2	<5	<0.05	<5	N.A.	N.A.	N.A.
1415808	Rock	<3	3	0.19	0.007	8	2	0.10	43	0.04	<20	0.48	0.06	0.14	<2	<5	<0.05	<5	N.A.	N.A.	N.A.
1415809	Rock	<3	3	0.05	0.007	14	2	0.01	31	<0.01	<20	0.20	0.05	0.08	<2	<5	<0.05	<5	N.A.	N.A.	N.A.
1415810	Rock	<3	2	0.06	0.007	13	3	<0.01	46	<0.01	<20	0.20	0.05	0.09	<2	<5	<0.05	<5	N.A.	N.A.	N.A.
1415811	Rock	<3	62	4.15	0.025	<1	61	0.50	4	0.14	<20	3.58	0.02	0.09	<2	<5	1.75	<5	N.A.	N.A.	N.A.
1415812	Rock	<3	9	0.60	0.011	6	2	0.20	30	0.03	<20	1.52	0.04	0.09	<2	<5	<0.05	<5	N.A.	N.A.	N.A.
1415813	Rock	<3	4	3.15	0.015	15	3	0.13	68	<0.01	<20	4.31	0.02	0.16	<2	11	<0.05	<5	N.A.	N.A.	N.A.
1415814	Rock	<3	9	0.25	0.009	8	3	0.23	40	0.08	<20	0.76	0.06	0.10	<2	<5	<0.05	<5	N.A.	N.A.	N.A.
1415815	Rock	<3	4	0.73	0.007	8	3	0.07	39	0.02	<20	1.30	0.03	0.12	<2	<5	<0.05	<5	N.A.	N.A.	N.A.
1415816	Rock	<3	3	0.25	0.014	7	3	0.07	41	0.02	<20	0.59	0.05	0.15	<2	<5	<0.05	<5	N.A.	N.A.	N.A.
1415817	Rock	<3	4	0.70	0.016	10	1	0.10	56	0.03	<20	1.04	0.05	0.15	<2	<5	<0.05	<5	N.A.	N.A.	N.A.
1415818	Rock	<3	5	0.06	0.008	13	3	0.05	29	<0.01	<20	0.35	0.04	0.07	<2	<5	<0.05	<5	N.A.	N.A.	N.A.
1415819	Rock	7	2	<0.01	0.003	2	<1	0.05	13	<0.01	<20	1.40	<0.01	0.03	<2	<5	15.80	<5	529	23.17	1.185
1416001	Rock	<3	209	0.85	0.099	2	74	2.06	193	0.31	<20	2.64	0.16	0.11	<2	7	1.45	7	N.A.	N.A.	N.A.

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CERTIFICATE OF ANALYSIS VAN12004218.2

	Method	G6.ME	G6.ME	G6.ME	G6.ME	G6.ME	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
	Analyte	- Ag	Tot Ag	+ Au	- Au	Tot Au	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum
	Unit	gm/t	gm/t	mg	gm/t	gm/t	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%
	MDL	5	5	0.001	0.17	0.17	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01
016564	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016565	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	65.29	13.63	10.22	0.73	0.12	0.09	3.91	0.34	0.09	0.04	<0.002	<20	6	5.2	99.69
016566	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016567	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016568	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016569	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	69.32	12.91	8.09	0.76	0.64	0.07	3.33	0.33	0.11	0.07	<0.002	<20	6	4.1	99.77
016570	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016571	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016572	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016616	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	45.37	14.27	14.22	6.30	10.22	1.70	0.36	1.90	0.15	0.21	0.031	85	39	5.0	99.72
1415801	Rock	65	65	5.184	78.0	83.5	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415802	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415803	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415804	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415805	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415806	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415807	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415808	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	74.74	13.68	1.40	0.23	0.80	3.88	3.87	0.11	0.05	0.08	<0.002	<20	3	1.0	99.83
1415809	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415810	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415811	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415812	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415813	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415814	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415815	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415816	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415817	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415818	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415819	Rock	81	80	0.011	0.5	0.5	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416001	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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3919 Woodhaven Terrace
Victoria BC V8N 1S7 Canada

Project: FLAN
Report Date: March 16, 2013

CERTIFICATE OF ANALYSIS VAN12004218.2

		Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
		Analyte	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		MDL	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02
016564	Rock		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016565	Rock		1608	<1	6.3	0.4	14.4	3.3	7.8	66.5	<1	6.8	0.6	6.1	2.5	28	0.6	129.9	17.1	15.1	30.5	3.42
016566	Rock		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016567	Rock		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016568	Rock		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016569	Rock		1461	<1	1.3	0.3	12.9	3.6	5.4	56.6	1	30.4	0.3	4.1	1.4	16	0.6	117.4	18.2	15.3	30.5	3.62
016570	Rock		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016571	Rock		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016572	Rock		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016616	Rock		169	<1	44.5	0.2	20.9	3.1	8.6	6.7	1	232.2	0.6	0.6	0.2	380	<0.5	102.7	26.7	10.4	25.1	3.43
1415801	Rock		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415802	Rock		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415803	Rock		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415804	Rock		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415805	Rock		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415806	Rock		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415807	Rock		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415808	Rock		1215	<1	0.6	0.6	11.0	2.5	7.1	95.2	<1	164.5	0.6	7.6	3.7	<8	<0.5	67.5	14.5	15.5	28.4	3.08
1415809	Rock		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415810	Rock		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415811	Rock		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415812	Rock		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415813	Rock		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415814	Rock		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415815	Rock		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415816	Rock		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415817	Rock		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415818	Rock		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415819	Rock		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416001	Rock		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Report Date: March 16, 2013

CERTIFICATE OF ANALYSIS VAN12004218.2

	Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ni	As	Cd
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.1	0.1	0.1	1	0.1	0.5	0.1
016564	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016565	Rock	15.3	2.74	0.55	2.49	0.42	2.89	0.55	1.84	0.27	1.96	0.34	0.16	1.04	0.7	700.8	2.5	23	0.5	>10000	0.2
016566	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016567	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016568	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016569	Rock	16.3	3.06	0.59	3.23	0.49	2.72	0.67	1.92	0.30	2.00	0.31	0.12	0.31	0.4	149.9	1.5	18	0.3	117.9	<0.1
016570	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016571	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016572	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016616	Rock	16.2	4.67	1.77	5.00	0.84	5.19	0.95	2.59	0.39	2.53	0.33	0.10	0.09	0.2	225.0	1.0	50	47.7	51.5	0.1
1415801	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415802	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415803	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415804	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415805	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415806	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415807	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415808	Rock	10.4	2.24	0.45	2.12	0.36	2.01	0.46	1.40	0.23	1.79	0.28	<0.02	0.02	0.3	2.2	3.6	18	0.3	1.5	<0.1
1415809	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415810	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415811	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415812	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415813	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415814	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415815	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415816	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415817	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415818	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415819	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416001	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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CERTIFICATE OF ANALYSIS VAN12004218.2

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Sb	Bi	Ag	Au	Hg	Tl	Se
Unit		ppm	ppm	ppm	ppb	ppm	ppm	ppm
MDL		0.1	0.1	0.1	0.5	0.01	0.1	0.5
016564	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016565	Rock	3.4	6.4	2.5	4603	0.02	<0.1	1.9
016566	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016567	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016568	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016569	Rock	<0.1	2.0	0.4	391.8	<0.01	<0.1	<0.5
016570	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016571	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016572	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016616	Rock	0.3	<0.1	0.2	5.5	<0.01	<0.1	<0.5
1415801	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415802	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415803	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415804	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415805	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415806	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415807	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415808	Rock	<0.1	<0.1	<0.1	<0.5	0.01	<0.1	<0.5
1415809	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415810	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415811	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415812	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415813	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415814	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415815	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415816	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415817	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415818	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415819	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416001	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Project: FLAN
Report Date: March 16, 2013

CERTIFICATE OF ANALYSIS VAN12004218.2

	Method	WGHT	M150	3B	3B	3B	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	TotWt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb
	Unit	kg	g	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	1	2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3
1416002	Rock	1.55	N.A.	201	<3	9	<1	102	4	20	<0.3	28	19	1843	7.17	152	<2	<2	277	0.7	<3
1416003	Rock	1.22	N.A.	3	<3	<2	<1	53	<3	49	<0.3	106	25	641	3.36	2	<2	<2	56	<0.5	<3
1416005	Rock	0.73	N.A.	73	<3	12	8	462	9	22	1.1	100	50	423	22.96	860	<2	<2	12	<0.5	<3
1416006	Rock	0.89	N.A.	2	<3	8	4	188	<3	15	<0.3	15	20	178	4.91	26	<2	<2	34	<0.5	<3
1416009	Rock	0.69	N.A.	32	7	58	5	666	39	126	1.3	56	62	494	8.78	117	<2	<2	5	<0.5	<3
1416010	Rock	0.48	N.A.	18	11	35	1	932	<3	28	0.5	126	100	145	8.08	<2	<2	<2	45	<0.5	<3
1416013	Rock	0.42	N.A.	38	<3	3	361	5	8	38	<0.3	1	3	1152	2.36	6	<2	5	152	<0.5	<3
016573	Rock	0.48	N.A.	186	<3	23	2	532	<3	115	1.8	25	10	1590	15.56	55	<2	<2	2	<0.5	<3
016574	Rock	2.05	N.A.	401	<3	<2	<1	442	<3	26	0.6	<1	4	632	4.85	763	<2	3	14	<0.5	<3
016617	Rock	0.84	N.A.	3353	<3	<2	<1	691	<3	19	1.5	<1	3	228	6.29	149	3	3	5	<0.5	<3
016618	Rock	0.66	N.A.	821	<3	<2	<1	347	<3	17	0.5	<1	4	331	6.24	152	<2	5	5	<0.5	<3
016619	Rock	1.12	N.A.	6247	6	10	<1	1797	3	104	3.6	41	63	1041	16.49	>10000	6	<2	<1	<0.5	<3
016620	Rock	1.04	N.A.	3905	<3	<2	<1	1430	<3	38	2.1	2	14	351	9.21	4522	3	3	3	<0.5	<3

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CERTIFICATE OF ANALYSIS VAN12004218.2

Method		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	G6.ME	G6.ME	G6.ME
Analyte		Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Ga	S	Sc	Tot Wt	+ Wt	+Ag
Unit		ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	%	ppm	g	g	mg
MDL		3	1	0.01	0.001	1	1	0.01	1	0.01	20	0.01	0.01	0.01	2	5	0.05	5	1	0.01	0.001
1416002	Rock	<3	173	9.86	0.040	5	46	2.82	18	0.17	<20	3.14	<0.01	0.03	<2	9	0.94	12	N.A.	N.A.	N.A.
1416003	Rock	<3	50	1.54	0.180	8	156	2.84	20	0.15	<20	2.60	0.07	0.04	<2	<5	<0.05	<5	N.A.	N.A.	N.A.
1416005	Rock	<3	111	0.32	0.054	3	13	1.64	38	0.18	<20	3.14	0.02	0.03	<2	<5	11.67	9	N.A.	N.A.	N.A.
1416006	Rock	<3	178	0.59	0.091	2	15	1.11	157	0.18	<20	1.82	0.14	0.15	<2	5	2.16	15	N.A.	N.A.	N.A.
1416009	Rock	4	188	5.54	0.074	3	20	0.69	<1	0.45	<20	4.60	<0.01	<0.01	<2	12	6.17	6	N.A.	N.A.	N.A.
1416010	Rock	<3	70	1.52	0.077	3	9	0.23	6	0.35	<20	1.74	0.25	0.03	<2	<5	4.56	<5	N.A.	N.A.	N.A.
1416013	Rock	21	27	2.77	0.015	13	4	0.30	67	0.02	<20	4.58	0.01	0.15	<2	17	<0.05	<5	N.A.	N.A.	N.A.
016573	Rock	<3	351	0.13	0.060	5	193	2.66	29	0.13	<20	5.39	<0.01	0.08	<2	12	0.62	30	N.A.	N.A.	N.A.
016574	Rock	<3	6	0.76	0.041	3	<1	0.38	117	<0.01	<20	1.56	<0.01	0.23	<2	<5	1.27	<5	N.A.	N.A.	N.A.
016617	Rock	3	6	0.08	0.047	3	<1	0.27	121	<0.01	<20	1.39	<0.01	0.24	<2	<5	2.73	<5	N.A.	N.A.	N.A.
016618	Rock	<3	5	0.23	0.043	3	<1	0.37	119	0.03	<20	1.60	<0.01	0.25	<2	<5	3.17	<5	N.A.	N.A.	N.A.
016619	Rock	54	142	0.18	0.048	3	91	1.71	53	0.06	<20	3.86	<0.01	0.11	<2	<5	6.37	13	N.A.	N.A.	N.A.
016620	Rock	15	5	0.14	0.039	3	<1	0.30	89	<0.01	<20	1.68	<0.01	0.20	<2	<5	5.06	<5	N.A.	N.A.	N.A.

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CERTIFICATE OF ANALYSIS VAN12004218.2

Method		G6.ME	G6.ME	G6.ME	G6.ME	G6.ME	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte		- Ag	Tot Ag	+ Au	- Au	Tot Au	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum
Unit		gm/t	gm/t	mg	gm/t	gm/t	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%
MDL		5	5	0.001	0.17	0.17	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01
1416002	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416003	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416005	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416006	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416009	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416010	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416013	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016573	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016574	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016617	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016618	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016619	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	47.93	11.73	23.94	3.04	0.38	0.04	1.50	1.01	0.12	0.18	0.015	42	20	9.7	99.60
016620	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	62.46	12.40	13.82	0.79	0.22	0.06	3.06	0.31	0.10	0.06	<0.002	<20	6	6.4	99.66

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CERTIFICATE OF ANALYSIS VAN12004218.2

	Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
	Analyte	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02
1416002	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416003	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416005	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416006	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416009	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416010	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416013	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016573	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016574	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016617	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016618	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016619	Rock	640	<1	58.5	0.1	14.9	2.9	6.4	26.2	<1	3.8	0.3	2.0	0.8	168	1.3	91.8	14.6	7.9	17.6	2.30
016620	Rock	1318	<1	11.8	0.2	12.3	3.0	5.1	52.5	1	5.3	0.4	4.1	1.7	14	0.8	102.2	15.2	13.7	28.7	3.43

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CERTIFICATE OF ANALYSIS VAN12004218.2

Method		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ni	As	Cd
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.1	0.1	0.1	1	0.1	0.5	0.1
1416002	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416003	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416005	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416006	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416009	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416010	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416013	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016573	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016574	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016617	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016618	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016619	Rock	10.6	2.30	0.52	2.63	0.42	2.54	0.49	1.61	0.25	1.78	0.26	0.02	6.98	0.5	1801	4.9	103	40.2	>10000	1.0
016620	Rock	15.5	3.01	0.27	3.11	0.46	2.80	0.57	1.61	0.26	1.85	0.25	<0.02	5.41	0.6	1419	2.9	42	1.7	4509	0.6

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Project: FLAN
Report Date: March 16, 2013

CERTIFICATE OF ANALYSIS VAN12004218.2

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Sb	Bi	Ag	Au	Hg	Tl	Se
Unit		ppm	ppm	ppm	ppb	ppm	ppm	ppm
MDL		0.1	0.1	0.1	0.5	0.01	0.1	0.5
1416002	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416003	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416005	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416006	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416009	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416010	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1416013	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016573	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016574	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016617	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016618	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
016619	Rock	1.8	59.3	3.3	3205	0.01	<0.1	3.2
016620	Rock	0.7	21.8	2.6	4623	<0.01	<0.1	2.2

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Project: FLAN
Report Date: March 16, 2013

QUALITY CONTROL REPORT VAN12004218.2

	Method	WGHT	M150	3B	3B	3B	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Analyte	Wgt	TotWt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb
	Unit	kg	g	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	1	2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3
Pulp Duplicates																					
016558	Rock	0.85	N.A.	776	5	13	<1	140	10	130	<0.3	160	12	1279	11.57	151	<2	<2	48	<0.5	<3
REP 016558	QC						<1	143	14	128	0.7	160	13	1283	11.67	154	<2	<2	49	<0.5	<3
016603	Rock	0.94	N.A.	6228	<3	30	<1	4875	<3	1218	9.5	55	208	897	32.89	>10000	<2	<2	2	18.1	48
REP 016603	QC			6636	<3	31															
016565	Rock	4.13	N.A.	3075	<3	<2	<1	711	<3	23	1.7	<1	7	279	6.38	>10000	3	5	2	<0.5	<3
REP 016565	QC																				
1415804	Rock	0.28	N.A.	2	<3	30	<1	278	<3	46	<0.3	42	29	296	4.04	<2	<2	<2	26	<0.5	<3
REP 1415804	QC						<1	276	<3	45	<0.3	41	28	291	3.96	<2	<2	<2	26	<0.5	<3
1415812	Rock	0.36	N.A.	<2	<3	<2	<1	5	<3	27	<0.3	3	2	683	1.07	2	<2	5	37	<0.5	<3
REP 1415812	QC			<2	<3	<2															
1416006	Rock	0.89	N.A.	2	<3	8	4	188	<3	15	<0.3	15	20	178	4.91	26	<2	<2	34	<0.5	<3
REP 1416006	QC			3	4	8															
016619	Rock	1.12	N.A.	6247	6	10	<1	1797	3	104	3.6	41	63	1041	16.49	>10000	6	<2	<1	<0.5	<3
REP 016619	QC																				
016620	Rock	1.04	N.A.	3905	<3	<2	<1	1430	<3	38	2.1	2	14	351	9.21	4522	3	3	3	<0.5	<3
REP 016620	QC						<1	1414	<3	39	2.1	2	14	351	9.25	4660	2	3	3	<0.5	<3
Core Reject Duplicates																					
016609	Rock	0.57	N.A.	8	<3	21	<1	164	<3	37	0.3	28	13	208	2.46	45	<2	<2	180	0.5	<3
DUP 016609	QC	<0.01	N.A.	8	<3	20	<1	148	<3	36	<0.3	26	12	213	2.46	45	<2	<2	183	<0.5	<3
1415818	Rock	0.55	N.A.	<2	<3	<2	<1	3	<3	24	<0.3	<1	<1	275	0.82	<2	<2	9	5	<0.5	<3
DUP 1415818	QC	<0.01	N.A.	<2	<3	<2	<1	3	<3	24	<0.3	1	<1	280	0.89	<2	<2	8	6	<0.5	<3
Reference Materials																					
STD CDN-PGMS-19	Standard			221	100	495															
STD CDN-PGMS-19	Standard			229	111	467															
STD CDN-PGMS-19	Standard			234	119	496															
STD DS9	Standard						10	100	119	311	1.3	40	7	559	2.31	28	<2	5	64	1.9	<3
STD DS9	Standard						12	99	118	318	1.4	36	7	550	2.25	27	<2	5	67	2.1	6
STD DS9	Standard						14	115	133	327	1.8	44	8	647	2.51	25	<2	6	75	2.2	3

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Project: FLAN
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QUALITY CONTROL REPORT VAN12004218.2

	Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D			1D	G6.ME	G6.ME	G6.ME
	Analyte	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Ga	S	Sc	Tot Wt	+ Wt	+Ag
	Unit	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	%	ppm	g	g	mg
	MDL	3	1	0.01	0.001	1	1	0.01	1	0.01	20	0.01	0.01	0.01	2	5	0.05	5	1	0.01	0.001
Pulp Duplicates																					
016558	Rock	6	151	0.43	0.014	<1	554	4.33	16	0.10	<20	5.10	0.02	0.03	<2	12	0.25	21	N.A.	N.A.	N.A.
REP 016558	QC	5	153	0.43	0.015	<1	563	4.31	16	0.10	<20	5.16	0.02	0.03	2	21	0.25	21			
016603	Rock	32	245	0.21	0.053	<1	22	1.41	16	0.10	<20	2.89	<0.01	0.04	2	15	11.58	14	N.A.	N.A.	N.A.
REP 016603	QC																				
016565	Rock	5	6	0.05	0.034	3	<1	0.25	91	0.03	<20	1.22	<0.01	0.20	<2	7	0.94	<5	N.A.	N.A.	N.A.
REP 016565	QC																				
1415804	Rock	<3	159	1.10	0.093	4	21	1.00	48	0.24	<20	1.73	0.17	0.03	<2	6	0.44	7	N.A.	N.A.	N.A.
REP 1415804	QC	<3	155	1.11	0.092	4	20	0.98	47	0.23	<20	1.71	0.17	0.03	<2	6	0.43	6			
1415812	Rock	<3	9	0.60	0.011	6	2	0.20	30	0.03	<20	1.52	0.04	0.09	<2	<5	<0.05	<5	N.A.	N.A.	N.A.
REP 1415812	QC																				
1416006	Rock	<3	178	0.59	0.091	2	15	1.11	157	0.18	<20	1.82	0.14	0.15	<2	5	2.16	15	N.A.	N.A.	N.A.
REP 1416006	QC																				
016619	Rock	54	142	0.18	0.048	3	91	1.71	53	0.06	<20	3.86	<0.01	0.11	<2	<5	6.37	13	N.A.	N.A.	N.A.
REP 016619	QC																				
016620	Rock	15	5	0.14	0.039	3	<1	0.30	89	<0.01	<20	1.68	<0.01	0.20	<2	<5	5.06	<5	N.A.	N.A.	N.A.
REP 016620	QC	15	6	0.14	0.039	3	1	0.31	92	<0.01	<20	1.67	<0.01	0.20	<2	<5	5.12	<5			
Core Reject Duplicates																					
016609	Rock	<3	85	2.68	0.061	2	39	0.76	48	0.16	<20	4.11	0.26	0.05	3	15	0.07	<5	N.A.	N.A.	N.A.
DUP 016609	QC	<3	81	2.61	0.057	2	37	0.76	45	0.16	<20	4.15	0.26	0.05	<2	11	0.07	<5	N.A.	N.A.	N.A.
1415818	Rock	<3	5	0.06	0.008	13	3	0.05	29	<0.01	<20	0.35	0.04	0.07	<2	<5	<0.05	<5	N.A.	N.A.	N.A.
DUP 1415818	QC	<3	5	0.07	0.009	13	4	0.05	34	<0.01	<20	0.38	0.05	0.08	<2	<5	<0.05	<5	N.A.	N.A.	N.A.
Reference Materials																					
STD CDN-PGMS-19	Standard																				
STD CDN-PGMS-19	Standard																				
STD CDN-PGMS-19	Standard																				
STD DS9	Standard	8	38	0.67	0.083	9	109	0.61	312	0.09	<20	0.90	0.08	0.38	4	9	0.16	<5			
STD DS9	Standard	5	36	0.69	0.080	10	105	0.60	307	0.10	<20	0.88	0.08	0.39	3	<5	0.16	<5			
STD DS9	Standard	6	45	0.78	0.091	14	134	0.66	349	0.12	<20	1.03	0.10	0.43	3	<5	0.18	<5			

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Project: FLAN
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QUALITY CONTROL REPORT VAN12004218.2

	Method	G6.ME	G6.ME	G6.ME	G6.ME	G6.ME	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
	Analyte	- Ag	Tot Ag	+ Au	- Au	Tot Au	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum
	Unit	gm/t	gm/t	mg	gm/t	gm/t	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%
	MDL	5	5	0.001	0.17	0.17	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	20	1	-5.1	0.01
Pulp Duplicates																					
016558	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	47.37	12.77	18.17	10.55	2.69	0.27	0.20	0.51	0.06	0.20	0.113	229	33	6.8	99.74
REP 016558	QC																				
016603	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	18.59	6.91	38.46	2.77	0.57	0.02	0.41	1.35	0.13	0.19	0.007	64	23	23.4	92.82
REP 016603	QC																				
016565	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	65.29	13.63	10.22	0.73	0.12	0.09	3.91	0.34	0.09	0.04	<0.002	<20	6	5.2	99.69
REP 016565	QC						65.34	13.58	10.44	0.72	0.12	0.09	3.67	0.34	0.11	0.04	0.002	<20	6	5.2	99.68
1415804	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1415804	QC																				
1415812	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1415812	QC																				
1416006	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1416006	QC																				
016619	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	47.93	11.73	23.94	3.04	0.38	0.04	1.50	1.01	0.12	0.18	0.015	42	20	9.7	99.60
REP 016619	QC						48.15	11.66	23.85	3.05	0.38	0.03	1.48	1.00	0.11	0.18	0.014	34	20	9.7	99.62
016620	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	62.46	12.40	13.82	0.79	0.22	0.06	3.06	0.31	0.10	0.06	<0.002	<20	6	6.4	99.66
REP 016620	QC																				
Core Reject Duplicates																					
016609	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 016609	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415818	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1415818	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Reference Materials																					
STD CDN-PGMS-19	Standard																				
STD CDN-PGMS-19	Standard																				
STD CDN-PGMS-19	Standard																				
STD DS9	Standard																				
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QUALITY CONTROL REPORT VAN12004218.2

	Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
	Analyte	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02
Pulp Duplicates																					
016558	Rock	71	<1	22.5	<0.1	13.9	0.7	0.8	3.8	<1	60.9	<0.1	<0.2	0.1	206	<0.5	21.3	11.0	1.0	1.8	0.34
REP 016558	QC																				
016603	Rock	143	2	160.9	0.1	10.5	2.8	4.8	8.3	3	3.5	0.3	0.5	0.3	304	0.8	81.2	15.2	5.1	11.9	1.70
REP 016603	QC																				
016565	Rock	1608	<1	6.3	0.4	14.4	3.3	7.8	66.5	<1	6.8	0.6	6.1	2.5	28	0.6	129.9	17.1	15.1	30.5	3.42
REP 016565	QC	1646	<1	6.5	0.5	14.5	3.4	6.9	67.9	<1	6.7	0.8	6.5	2.4	26	1.0	130.4	16.3	14.8	29.1	3.40
1415804	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1415804	QC																				
1415812	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1415812	QC																				
1416006	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1416006	QC																				
016619	Rock	640	<1	58.5	0.1	14.9	2.9	6.4	26.2	<1	3.8	0.3	2.0	0.8	168	1.3	91.8	14.6	7.9	17.6	2.30
REP 016619	QC	650	<1	58.4	0.2	14.0	3.1	6.6	26.0	<1	3.9	0.4	1.9	0.8	167	1.4	92.3	15.0	7.9	17.6	2.27
016620	Rock	1318	<1	11.8	0.2	12.3	3.0	5.1	52.5	1	5.3	0.4	4.1	1.7	14	0.8	102.2	15.2	13.7	28.7	3.43
REP 016620	QC																				
Core Reject Duplicates																					
016609	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 016609	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415818	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1415818	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Reference Materials																					
STD CDN-PGMS-19	Standard																				
STD CDN-PGMS-19	Standard																				
STD CDN-PGMS-19	Standard																				
STD DS9	Standard																				
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QUALITY CONTROL REPORT VAN12004218.2

	Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ni	As	Cd
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.1	0.1	0.1	1	0.1	0.5	0.1
Pulp Duplicates																					
016558	Rock	1.8	0.80	0.26	1.23	0.26	1.79	0.41	1.24	0.18	1.18	0.18	0.11	0.32	0.2	158.0	16.3	127	157.1	150.5	<0.1
REP 016558	QC																				
016603	Rock	8.0	2.00	0.50	1.89	0.37	2.68	0.51	1.41	0.26	1.48	0.23	0.06	16.54	0.6	5067	16.7	1226	56.4	>10000	22.9
REP 016603	QC																				
016565	Rock	15.3	2.74	0.55	2.49	0.42	2.89	0.55	1.84	0.27	1.96	0.34	0.16	1.04	0.7	700.8	2.5	23	0.5	>10000	0.2
REP 016565	QC	14.7	3.17	0.54	2.54	0.42	2.70	0.57	1.89	0.26	1.93	0.31									
1415804	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1415804	QC																				
1415812	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1415812	QC																				
1416006	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1416006	QC																				
016619	Rock	10.6	2.30	0.52	2.63	0.42	2.54	0.49	1.61	0.25	1.78	0.26	0.02	6.98	0.5	1801	4.9	103	40.2	>10000	1.0
REP 016619	QC	10.9	2.39	0.49	2.56	0.42	2.59	0.56	1.72	0.25	1.75	0.26									
016620	Rock	15.5	3.01	0.27	3.11	0.46	2.80	0.57	1.61	0.26	1.85	0.25	<0.02	5.41	0.6	1419	2.9	42	1.7	4509	0.6
REP 016620	QC														0.4	1428	3.0	42	1.6	4587	0.9
Core Reject Duplicates																					
016609	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 016609	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415818	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1415818	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Reference Materials																					
STD CDN-PGMS-19	Standard																				
STD CDN-PGMS-19	Standard																				
STD CDN-PGMS-19	Standard																				
STD DS9	Standard																				
STD DS9	Standard																				
STD DS9	Standard																				

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3919 Woodhaven Terrace
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Project: FLAN
Report Date: March 16, 2013

QUALITY CONTROL REPORT VAN12004218.2

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Sb	Bi	Ag	Au	Hg	Tl	Se
	Unit	ppm	ppm	ppm	ppb	ppm	ppm	ppm
	MDL	0.1	0.1	0.1	0.5	0.01	0.1	0.5
Pulp Duplicates								
016558	Rock	0.2	9.7	0.8	434.6	<0.01	<0.1	0.9
REP 016558	QC							
016603	Rock	82.9	32.7	11.9	7951	0.02	0.2	12.6
REP 016603	QC							
016565	Rock	3.4	6.4	2.5	4603	0.02	<0.1	1.9
REP 016565	QC							
1415804	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1415804	QC							
1415812	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1415812	QC							
1416006	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1416006	QC							
016619	Rock	1.8	59.3	3.3	3205	0.01	<0.1	3.2
REP 016619	QC							
016620	Rock	0.7	21.8	2.6	4623	<0.01	<0.1	2.2
REP 016620	QC	0.7	21.5	2.3	1827	0.02	<0.1	2.6
Core Reject Duplicates								
016609	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 016609	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1415818	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DUP 1415818	QC	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Reference Materials								
STD CDN-PGMS-19	Standard							
STD CDN-PGMS-19	Standard							
STD CDN-PGMS-19	Standard							
STD DS9	Standard							
STD DS9	Standard							
STD DS9	Standard							

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		WGHT Wgt kg 0.01	M150 TotWt g 1	3B Au ppb 2	3B Pt ppb 3	3B Pd ppb 2	1D Mo ppm 1	1D Cu ppm 1	1D Pb ppm 3	1D Zn ppm 1	1D Ag ppm 0.3	1D Ni ppm 1	1D Co ppm 1	1D Mn ppm 2	1D Fe % 0.01	1D As ppm 2	1D Au ppm 2	1D Th ppm 2	1D Sr ppm 1	1D Cd ppm 0.5	1D Sb ppm 3
STD DS9	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD OREAS45CA	Standard						<1	489	12	64	<0.3	247	95	948	16.20	4	<2	8	14	<0.5	<3
STD OREAS45EA	Standard						<1	619	7	30	<0.3	345	49	381	22.27	12	<2	10	3	<0.5	<3
STD OREAS45CA	Standard						<1	482	17	51	<0.3	236	87	899	15.08	5	<2	6	14	<0.5	<3
STD OREAS45EA	Standard						1	673	9	24	<0.3	373	50	379	23.04	10	<2	9	3	<0.5	<3
STD OREAS45EA	Standard						3	754	<3	33	0.3	415	57	434	25.70	4	<2	10	4	<0.5	<3
STD OREAS45CA	Standard						2	563	17	62	<0.3	276	100	1022	17.18	<2	<2	7	16	<0.5	<3
STD OREAS45EA	Standard																				
STD PD1	Standard			553	484	564															
STD PD1	Standard			586	520	598															
STD PD1	Standard			547	458	573															
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SP49	Standard																				
STD PD1 Expected				542	456	563															
STD CDN-PGMS-19				230	108	476															
STD OREAS45CA Expected							1	494	20	60	0.275	240	92	943	15.69	3.8	0.043	7	15	0.1	0.13
STD OREAS45EA Expected							1.78	709	14.3	30.6	0.311	357	52	400	22.65	11.4	0.053	10.7	4.05		
STD DS9 Expected							12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	0.118	6.38	69.6	2.4	4.94
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD SO-18 Expected																					
BLK	Blank			<2	<3	<2															
BLK	Blank			<2	<3	<2															
BLK	Blank			<2	<3	<2															
BLK	Blank			<2	<3	<2															

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QUALITY CONTROL REPORT VAN12004218.2

		1D Bi ppm 3	1D V ppm 1	1D Ca % 0.01	1D P % 0.001	1D La ppm 1	1D Cr ppm 1	1D Mg % 0.01	1D Ba ppm 1	1D Ti % 0.01	1D B ppm 20	1D Al % 0.01	1D Na % 0.01	1D K % 0.01	1D W ppm 2	Ga ppm 5	S % 0.05	1D Sc ppm 5	G6.ME Tot Wt g 1	G6.ME + Wt g 0.01	G6.ME +Ag mg 0.001
STD DS9	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD OREAS45CA	Standard	<3	217	0.45	0.038	14	698	0.11	161	0.13	<20	3.28	0.01	0.07	<2	20	<0.05	45			
STD OREAS45EA	Standard	<3	290	0.03	0.025	4	777	0.07	135	0.09	<20	2.93	0.02	0.04	<2	7	<0.05	73			
STD OREAS45CA	Standard	<3	206	0.43	0.041	15	694	0.13	157	0.12	<20	3.35	0.01	0.07	<2	15	<0.05	45			
STD OREAS45EA	Standard	<3	294	0.03	0.027	6	843	0.08	142	0.09	<20	3.00	0.02	0.05	<2	8	<0.05	83			
STD OREAS45EA	Standard	<3	321	0.03	0.032	8	938	0.10	153	0.10	<20	3.48	0.03	0.06	<2	<5	<0.05	91			
STD OREAS45CA	Standard	<3	231	0.45	0.042	18	794	0.15	172	0.14	<20	4.00	0.02	0.08	<2	11	<0.05	51			
STD OREAS45EA	Standard																				
STD PD1	Standard																				
STD PD1	Standard																				
STD PD1	Standard																				
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SP49	Standard																			30.03	1.631
STD PD1 Expected																					
STD CDN-PGMS-19																					
STD OREAS45CA Expected		0.19	215	0.4265	0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717			0.021				
STD OREAS45EA Expected			295	0.032	0.029	8.19	849	0.095	148	0.106		3.32	0.027	0.053		11.7	0.044	78			
STD DS9 Expected		6.32	40	0.7201	0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	4.59	0.1615	2.5			
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD SO-18 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				

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QUALITY CONTROL REPORT VAN12004218.2

		G6.ME - Ag gm/t 5	G6.ME Tot Ag gm/t 5	G6.ME + Au mg 0.001	G6.ME - Au gm/t 0.17	G6.ME Tot Au gm/t 0.17	4A-4B SiO2 % 0.01	4A-4B Al2O3 % 0.01	4A-4B Fe2O3 % 0.04	4A-4B MgO % 0.01	4A-4B CaO % 0.01	4A-4B Na2O % 0.01	4A-4B K2O % 0.01	4A-4B TiO2 % 0.01	4A-4B P2O5 % 0.01	4A-4B MnO % 0.01	4A-4B Cr2O3 % 0.002	4A-4B Ni ppm 20	4A-4B Sc ppm 1	4A-4B LOI % -5.1	4A-4B Sum % 0.01
STD DS9	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45EA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45EA	Standard																				
STD OREAS45EA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45EA	Standard																				
STD PD1	Standard																				
STD PD1	Standard																				
STD PD1	Standard																				
STD SO-18	Standard						58.38	13.99	7.66	3.36	6.24	3.63	2.12	0.69	0.80	0.39	0.543	46	24	1.9	99.72
STD SO-18	Standard						58.28	14.13	7.52	3.36	6.27	3.69	2.15	0.69	0.79	0.39	0.550	41	23	1.9	99.74
STD SO-18	Standard						58.65	14.27	7.63	3.45	6.45	2.79	2.13	0.70	0.79	0.41	0.537	50	24	1.9	99.71
STD SP49	Standard			0.539																	
STD PD1 Expected																					
STD CDN-PGMS-19																					
STD OREAS45CA Expected																					
STD OREAS45EA Expected																					
STD DS9 Expected																					
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD SO-18 Expected							58.47	14.23	7.67	3.35	6.42	3.71	2.17	0.69	0.83	0.39	0.55	44	25		
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				

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		4A-4B Ba ppm 1	4A-4B Be ppm 1	4A-4B Co ppm 0.2	4A-4B Cs ppm 0.1	4A-4B Ga ppm 0.5	4A-4B Hf ppm 0.1	4A-4B Nb ppm 0.1	4A-4B Rb ppm 0.1	4A-4B Sn ppm 1	4A-4B Sr ppm 0.5	4A-4B Ta ppm 0.1	4A-4B Th ppm 0.2	4A-4B U ppm 0.1	4A-4B V ppm 8	4A-4B W ppm 0.5	4A-4B Zr ppm 0.1	4A-4B Y ppm 0.1	4A-4B La ppm 0.1	4A-4B Ce ppm 0.1	4A-4B Pr ppm 0.02
STD DS9	Standard																					
STD GS311-1	Standard																					
STD GS910-4	Standard																					
STD OREAS45CA	Standard																					
STD OREAS45EA	Standard																					
STD OREAS45CA	Standard																					
STD OREAS45EA	Standard																					
STD OREAS45EA	Standard																					
STD OREAS45CA	Standard																					
STD OREAS45EA	Standard																					
STD PD1	Standard																					
STD PD1	Standard																					
STD PD1	Standard																					
STD SO-18	Standard	495	1	24.9	6.5	16.3	9.3	20.2	25.5	13	393.0	6.7	9.3	15.1	195	14.3	275.0	29.8	12.6	25.5	3.09	
STD SO-18	Standard	495	<1	24.5	6.5	16.6	9.0	20.2	26.2	13	392.7	6.6	9.7	15.0	189	13.9	280.5	27.9	11.6	25.7	3.16	
STD SO-18	Standard	549	<1	27.0	7.6	16.9	10.6	20.4	28.3	15	420.1	7.2	11.0	16.6	209	15.2	305.9	33.8	12.9	29.0	3.67	
STD SP49	Standard																					
STD PD1 Expected																						
STD CDN-PGMS-19																						
STD OREAS45CA Expected																						
STD OREAS45EA Expected																						
STD DS9 Expected																						
STD GS311-1 Expected																						
STD GS910-4 Expected																						
STD SO-18 Expected		514		26.2	7.1	17.6	9.8	21.3	28.7	15	407.4	7.4	9.9	16.4	200	14.8	280	31	12.3	27.1	3.45	
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					

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		4A-4B Nd ppm 0.3	4A-4B Sm ppm 0.05	4A-4B Eu ppm 0.02	4A-4B Gd ppm 0.05	4A-4B Tb ppm 0.01	4A-4B Dy ppm 0.05	4A-4B Ho ppm 0.02	4A-4B Er ppm 0.03	4A-4B Tm ppm 0.01	4A-4B Yb ppm 0.05	4A-4B Lu ppm 0.01	2A Leco TOT/C % 0.02	2A Leco TOT/S % 0.02	1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ni ppm 0.1	1DX As ppm 0.5	1DX Cd ppm 0.1
STD DS9	Standard														12.6	108.6	141.9	323	40.4	27.6	2.5
STD GS311-1	Standard												0.96	2.36							
STD GS910-4	Standard												2.68	8.33							
STD OREAS45CA	Standard																				
STD OREAS45EA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45EA	Standard																				
STD OREAS45EA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45EA	Standard														1.1	648.5	14.5	26	359.8	8.0	<0.1
STD PD1	Standard																				
STD PD1	Standard																				
STD PD1	Standard																				
STD SO-18	Standard	12.7	2.85	0.81	2.84	0.47	3.12	0.56	1.60	0.27	1.68	0.25									
STD SO-18	Standard	12.4	2.68	0.84	2.93	0.46	2.83	0.58	1.80	0.24	1.60	0.23									
STD SO-18	Standard	15.0	3.32	0.92	3.07	0.51	3.51	0.72	1.81	0.26	1.84	0.24									
STD SP49	Standard																				
STD PD1 Expected																					
STD CDN-PGMS-19																					
STD OREAS45CA Expected																					
STD OREAS45EA Expected															1.78	709	14.3	30.6	357	11.4	0.03
STD DS9 Expected															12.84	108	126	317	40.3	25.5	2.4
STD GS311-1 Expected													1.02	2.35							
STD GS910-4 Expected													2.65	8.27							
STD SO-18 Expected		14	3	0.89	2.93	0.53	3	0.62	1.84	0.27	1.79	0.27									
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				

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		1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX Ag ppm 0.1	1DX Au ppb 0.5	1DX Hg ppm 0.01	1DX Tl ppm 0.1	1DX Se ppm 0.5
STD DS9	Standard	4.5	7.2	2.2	113.2	0.20	5.6	5.0
STD GS311-1	Standard							
STD GS910-4	Standard							
STD OREAS45CA	Standard							
STD OREAS45EA	Standard							
STD OREAS45CA	Standard							
STD OREAS45EA	Standard							
STD OREAS45EA	Standard							
STD OREAS45CA	Standard							
STD OREAS45EA	Standard	0.1	0.2	0.2	56.4	0.02	<0.1	<0.5
STD PD1	Standard							
STD PD1	Standard							
STD PD1	Standard							
STD SO-18	Standard							
STD SO-18	Standard							
STD SO-18	Standard							
STD SP49	Standard							
STD PD1 Expected								
STD CDN-PGMS-19								
STD OREAS45CA Expected								
STD OREAS45EA Expected		0.64	0.26	0.311	53	0.34	0.072	2.09
STD DS9 Expected		4.94	6.32	1.83	118	0.2	5.3	5.2
STD GS311-1 Expected								
STD GS910-4 Expected								
STD SO-18 Expected								
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							

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		WGHT Wgt kg 0.01	M150 TotWt g 1	3B Au ppb 2	3B Pt ppb 3	3B Pd ppb 2	1D Mo ppm 1	1D Cu ppm 1	1D Pb ppm 3	1D Zn ppm 1	1D Ag ppm 0.3	1D Ni ppm 1	1D Co ppm 1	1D Mn ppm 2	1D Fe % 0.01	1D As ppm 2	1D Au ppm 2	1D Th ppm 2	1D Sr ppm 1	1D Cd ppm 0.5	1D Sb ppm 3
BLK	Blank																				
BLK	Blank			<2	<3	<2															
BLK	Blank			<2	<3	<2															
BLK	Blank						<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3
BLK	Blank						<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	7	<2	<2	<1	<0.5	<3
BLK	Blank						<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	<0.01	544	<2	<3	<2	<1	<1	<3	44	0.4	3	4	534	1.87	<2	<2	4	49	<0.5	<3
G1	Prep Blank	<0.01	N.A.	<2	<3	<2	<1	<1	3	46	<0.3	3	4	555	1.98	<2	<2	3	51	<0.5	<3

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Client: **Schau, Mikkel**
3919 Woodhaven Terrace
Victoria BC V8N 1S7 Canada

Project: FLAN
Report Date: March 16, 2013

QUALITY CONTROL REPORT VAN12004218.2

		1D Bi ppm 3	1D V ppm 1	1D Ca % 0.01	1D P % 0.001	1D La ppm 1	1D Cr ppm 1	1D Mg % 0.01	1D Ba ppm 1	1D Ti % 0.01	1D B ppm 20	1D Al % 0.01	1D Na % 0.01	1D K % 0.01	1D W ppm 2	Ga ppm 5	S % 0.05	1D Sc ppm 5	G6.ME Tot Wt g 1	G6.ME + Wt g 0.01	G6.ME +Ag mg 0.001
BLK	Blank																			30.00	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<3	<1	<0.01	<0.001	<1	<1	<0.01	<1	<0.01	<20	<0.01	<0.01	<0.01	<2	<5	<0.05	<5			
BLK	Blank	<3	<1	<0.01	<0.001	<1	<1	<0.01	<1	<0.01	<20	<0.01	<0.01	<0.01	<2	<5	<0.05	<5			
BLK	Blank	<3	<1	<0.01	<0.001	<1	<1	<0.01	<1	<0.01	<20	<0.01	<0.01	<0.01	<2	<5	<0.05	<5			
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	<3	34	0.41	0.077	7	7	0.57	225	0.11	<20	0.90	0.07	0.46	3	7	<0.05	<5	544	24.41	0.062
G1	Prep Blank	5	36	0.42	0.080	7	8	0.59	234	0.11	<20	0.94	0.07	0.48	3	7	<0.05	<5	N.A.	N.A.	N.A.

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QUALITY CONTROL REPORT VAN12004218.2

		G6.ME - Ag gm/t 5	G6.ME Tot Ag gm/t 5	G6.ME + Au mg 0.001	G6.ME - Au gm/t 0.17	G6.ME Tot Au gm/t 0.17	4A-4B SiO2 % 0.01	4A-4B Al2O3 % 0.01	4A-4B Fe2O3 % 0.04	4A-4B MgO % 0.01	4A-4B CaO % 0.01	4A-4B Na2O % 0.01	4A-4B K2O % 0.01	4A-4B TiO2 % 0.01	4A-4B P2O5 % 0.01	4A-4B MnO % 0.01	4A-4B Cr2O3 % 0.002	4A-4B Ni ppm 20	4A-4B Sc ppm 1	4A-4B LOI % -5.1	4A-4B Sum % 0.01
BLK	Blank			<0.001																	
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank						<0.01	<0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	0.06
BLK	Blank						<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<20	<1	0.0	<0.01
Prep Wash																					
G1	Prep Blank	11	11	<0.001	<0.17	<0.17	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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		4A-4B Ba ppm 1	4A-4B Be ppm 1	4A-4B Co ppm 0.2	4A-4B Cs ppm 0.1	4A-4B Ga ppm 0.5	4A-4B Hf ppm 0.1	4A-4B Nb ppm 0.1	4A-4B Rb ppm 0.1	4A-4B Sn ppm 1	4A-4B Sr ppm 0.5	4A-4B Ta ppm 0.1	4A-4B Th ppm 0.2	4A-4B U ppm 0.1	4A-4B V ppm 8	4A-4B W ppm 0.5	4A-4B Zr ppm 0.1	4A-4B Y ppm 0.1	4A-4B La ppm 0.1	4A-4B Ce ppm 0.1	4A-4B Pr ppm 0.02
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<1	<1	<0.2	<0.1	<0.5	<0.1	0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02
BLK	Blank	<1	<1	<0.2	<0.1	<0.5	<0.1	0.4	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.5	<0.1	<0.1	<0.1	<0.02
Prep Wash																					
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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		4A-4B Nd ppm 0.3	4A-4B Sm ppm 0.05	4A-4B Eu ppm 0.02	4A-4B Gd ppm 0.05	4A-4B Tb ppm 0.01	4A-4B Dy ppm 0.05	4A-4B Ho ppm 0.02	4A-4B Er ppm 0.03	4A-4B Tm ppm 0.01	4A-4B Yb ppm 0.05	4A-4B Lu ppm 0.01	2A Leco TOT/C % 0.02	2A Leco TOT/S % 0.02	1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ni ppm 0.1	1DX As ppm 0.5	1DX Cd ppm 0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank														<0.1	0.3	<0.1	<1	<0.1	<0.5	<0.1
BLK	Blank												<0.02	<0.02							
BLK	Blank	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01									
BLK	Blank	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01									
Prep Wash																					
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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QUALITY CONTROL REPORT VAN12004218.2

		1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX Ag ppm 0.1	1DX Au ppb 0.5	1DX Hg ppm 0.01	1DX Tl ppm 0.1	1DX Se ppm 0.5
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.1	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5
BLK	Blank							
BLK	Blank							
BLK	Blank							
Prep Wash								
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Client: **Schau, Mikkel**
3919 Woodhaven Terrace
Victoria BC V8N 1S7 Canada

Submitted By: Mikkel Schau
Receiving Lab: Canada-Vancouver
Received: June 28, 2013
Report Date: July 09, 2013
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN13002335.1

CLIENT JOB INFORMATION

Project: FLAN
Shipment ID:
P.O. Number
Number of Samples: 27

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage

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
SPLP	26	Sorting, labeling and boxing samples received as pulps			VAN
1DX1	23	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
DISP2	26	Heat treatment of Soils and Sediments			VAN

ADDITIONAL COMMENTS

Invoice To: Schau, Mikkel
3919 Woodhaven Terrace
Victoria BC V8N 1S7
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
Country Manager - Canada

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: **Schau, Mikkel**
3919 Woodhaven Terrace
Victoria BC V8N 1S7 Canada

Project: FLAN
Report Date: July 09, 2013

CERTIFICATE OF ANALYSIS VAN13002335.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
2/71	Soil Pulp	0.1	12.8	4.3	9	<0.1	2.1	1.8	76	2.62	<0.5	1.3	0.3	3	<0.1	0.1	0.2	305	0.08	0.009	2
3/71	Soil Pulp	0.8	47.8	4.3	13	0.1	5.8	5.8	95	5.77	1.5	1.0	0.7	7	0.2	0.1	0.1	273	0.12	0.012	2
4/71	Soil Pulp	0.7	19.8	5.7	11	<0.1	5.5	3.6	96	4.39	0.8	2.0	0.4	6	<0.1	0.1	0.1	247	0.15	0.017	1
5/71	Soil Pulp	0.8	26.4	4.5	10	0.2	5.8	3.8	61	4.13	1.5	<0.5	0.3	11	0.3	0.1	0.1	175	0.15	0.029	2
7/71	Soil Pulp	3.4	116.5	4.3	19	0.1	8.8	6.4	151	9.05	5.0	1.2	0.5	8	0.3	0.2	0.1	296	0.14	0.041	3
8/71	Soil Pulp	2.4	54.6	6.2	27	0.3	7.8	26.1	559	8.27	1.6	3.7	0.5	9	0.5	0.2	0.2	273	0.13	0.043	3
11/71	Soil Pulp	1.7	54.5	6.9	30	0.2	10.8	7.1	118	4.62	1.4	2.7	0.6	18	0.3	0.2	0.2	178	0.25	0.021	4
24/71	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
25/71	Soil Pulp	1.6	58.8	6.0	21	0.6	11.0	7.8	115	6.32	4.1	3.5	0.4	19	0.2	0.2	0.2	249	0.13	0.028	4
27/71	Soil Pulp	3.9	112.6	7.2	44	1.0	10.2	13.5	759	4.98	1.4	44.8	0.2	29	0.4	0.1	0.2	166	0.22	0.047	3
28/71	Soil Pulp	1.0	83.5	2.2	23	0.2	17.0	8.0	200	3.67	2.7	4.3	0.4	15	0.5	<0.1	<0.1	78	0.29	0.050	4
30/71	Soil Pulp	0.4	14.0	3.9	8	0.1	4.1	3.1	43	2.31	<0.5	6.4	0.2	6	0.2	<0.1	<0.1	289	0.08	0.015	1
31/71	Soil Pulp	0.6	23.1	5.5	10	0.1	4.7	2.8	49	4.26	1.0	0.6	0.4	5	0.1	0.2	0.1	303	0.11	0.018	2
32/71	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
46/71	Soil Pulp	0.8	28.9	5.0	20	0.1	7.3	4.6	461	3.50	1.8	2.7	0.6	8	0.2	0.1	<0.1	141	0.25	0.050	2
47/71	Soil Pulp	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
48/71	Soil Pulp	1.5	89.3	3.7	28	0.2	16.5	9.3	209	4.57	4.5	2.4	1.5	8	0.2	<0.1	<0.1	145	0.20	0.019	2
49/71	Soil Pulp	3.0	96.4	6.7	40	0.2	17.6	11.7	157	5.23	3.4	4.2	0.9	12	0.5	0.2	0.2	224	0.25	0.027	3
50/71	Soil Pulp	0.2	7.5	1.3	14	0.2	3.8	2.8	17	0.45	<0.5	2.0	<0.1	40	0.4	<0.1	<0.1	15	0.29	0.033	4
58/71	Soil Pulp	0.6	21.3	3.9	12	0.1	7.5	4.0	80	1.87	1.0	1.5	0.1	11	<0.1	<0.1	<0.1	111	0.19	0.013	2
61/71	Soil Pulp	1.2	25.4	5.0	14	0.1	7.8	3.7	77	3.06	0.8	6.3	0.2	8	0.2	<0.1	<0.1	185	0.19	0.029	3
62/71	Soil Pulp	1.0	55.2	4.6	20	0.2	10.8	4.2	115	4.85	2.4	3.2	1.3	6	0.1	0.1	<0.1	163	0.16	0.033	3
64/71	Soil Pulp	1.0	40.1	2.7	12	0.6	6.7	2.8	51	2.44	1.8	1.2	0.5	10	0.3	<0.1	0.2	83	0.33	0.038	2
66/71	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
R0+0	Soil Pulp	1.4	49.2	5.3	23	<0.1	15.1	5.5	122	4.41	1.3	5.6	0.6	6	0.1	0.1	<0.1	188	0.23	0.013	2
R0+30N	Soil Pulp	15.7	86.4	4.6	41	0.3	13.5	49.6	786	2.26	80.9	2.0	0.6	9	0.4	0.1	<0.1	121	0.19	0.049	5
45/71	Soil Pulp	1.4	33.2	5.5	18	0.3	6.9	3.8	113	2.43	2.1	1.7	0.1	8	0.2	0.1	0.2	95	0.15	0.054	3

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Project: FLAN
Report Date: July 09, 2013

CERTIFICATE OF ANALYSIS VAN13002335.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
2/71	Soil Pulp	9	0.06	5	0.235	<20	0.34	0.007	<0.01	<0.1	0.03	0.6	<0.1	<0.05	12	<0.5	<0.2
3/71	Soil Pulp	30	0.15	12	0.391	<20	2.36	0.015	0.01	<0.1	0.08	2.2	<0.1	<0.05	20	<0.5	<0.2
4/71	Soil Pulp	20	0.14	8	0.339	<20	0.81	0.012	0.02	<0.1	0.05	0.9	<0.1	<0.05	17	<0.5	<0.2
5/71	Soil Pulp	22	0.13	14	0.258	<20	1.31	0.016	0.02	<0.1	0.11	1.6	<0.1	<0.05	13	<0.5	<0.2
7/71	Soil Pulp	29	0.21	19	0.386	<20	2.64	0.016	0.02	0.1	0.14	2.1	<0.1	<0.05	26	<0.5	<0.2
8/71	Soil Pulp	24	0.19	23	0.329	<20	2.23	0.016	0.03	<0.1	0.15	1.9	<0.1	<0.05	22	0.6	<0.2
11/71	Soil Pulp	19	0.19	43	0.251	<20	2.48	0.018	0.02	<0.1	0.08	2.5	<0.1	<0.05	16	<0.5	<0.2
24/71	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
25/71	Soil Pulp	39	0.21	54	0.386	<20	2.75	0.015	0.01	<0.1	0.26	4.2	<0.1	<0.05	23	<0.5	<0.2
27/71	Soil Pulp	17	0.18	57	0.204	<20	2.00	0.017	0.03	<0.1	0.18	1.8	<0.1	<0.05	18	<0.5	<0.2
28/71	Soil Pulp	33	0.32	32	0.159	<20	3.63	0.029	0.03	<0.1	0.19	3.2	<0.1	<0.05	10	1.7	<0.2
30/71	Soil Pulp	16	0.05	8	0.314	<20	0.37	0.011	0.02	<0.1	0.04	0.8	<0.1	<0.05	11	<0.5	<0.2
31/71	Soil Pulp	24	0.07	8	0.356	<20	0.77	0.009	0.01	<0.1	0.06	1.0	<0.1	<0.05	18	<0.5	<0.2
32/71	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
46/71	Soil Pulp	25	0.19	17	0.296	<20	2.23	0.018	0.02	<0.1	0.20	3.1	<0.1	<0.05	13	<0.5	<0.2
47/71	Soil Pulp	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
48/71	Soil Pulp	56	0.31	21	0.374	<20	5.14	0.025	0.02	<0.1	0.15	6.1	<0.1	<0.05	14	<0.5	<0.2
49/71	Soil Pulp	48	0.35	29	0.433	<20	3.74	0.023	0.03	<0.1	0.15	3.0	<0.1	<0.05	21	0.6	<0.2
50/71	Soil Pulp	4	0.12	75	0.029	<20	0.31	0.027	0.03	<0.1	0.12	0.6	<0.1	<0.05	1	<0.5	<0.2
58/71	Soil Pulp	15	0.13	30	0.202	<20	0.71	0.018	0.02	<0.1	0.04	1.3	<0.1	<0.05	5	<0.5	<0.2
61/71	Soil Pulp	32	0.19	18	0.367	<20	1.15	0.021	0.02	<0.1	0.12	2.2	<0.1	<0.05	16	<0.5	<0.2
62/71	Soil Pulp	58	0.19	17	0.339	<20	4.94	0.021	0.04	<0.1	0.26	5.7	<0.1	<0.05	15	0.7	<0.2
64/71	Soil Pulp	29	0.14	16	0.196	<20	2.60	0.018	0.02	<0.1	0.27	2.5	<0.1	<0.05	8	1.2	<0.2
66/71	Soil Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
R0+0	Soil Pulp	48	0.34	13	0.513	<20	2.06	0.024	0.02	<0.1	0.09	3.3	<0.1	<0.05	18	<0.5	<0.2
R0+30N	Soil Pulp	36	0.22	29	0.171	<20	7.29	0.020	0.02	0.9	0.40	4.8	<0.1	<0.05	10	2.9	<0.2
45/71	Soil Pulp	13	0.14	31	0.123	<20	1.01	0.013	0.04	<0.1	0.26	1.8	<0.1	<0.05	7	<0.5	<0.2

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Project: FLAN
Report Date: July 09, 2013

QUALITY CONTROL REPORT VAN13002335.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
45/71	Soil Pulp	1.4	33.2	5.5	18	0.3	6.9	3.8	113	2.43	2.1	1.7	0.1	8	0.2	0.1	0.2	95	0.15	0.054	3
REP 45/71	QC	1.5	31.8	5.7	18	0.3	7.2	4.4	110	2.17	2.3	0.8	<0.1	7	0.1	0.1	0.2	86	0.14	0.058	3
Reference Materials																					
STD DS9	Standard	13.6	113.7	134.9	343	1.8	41.8	8.0	608	2.39	25.0	114.7	6.5	80	2.6	4.3	6.7	42	0.73	0.084	14
STD OREAS45EA	Standard	1.3	668.8	14.9	31	0.3	363.5	51.6	409	24.08	8.3	58.6	10.0	4	<0.1	0.2	0.2	286	0.04	0.026	7
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819	13.3
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	0.029	8.19
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
45/71	Soil Pulp	13	0.14	31	0.123	<20	1.01	0.013	0.04	<0.1	0.26	1.8	<0.1	<0.05	7	<0.5	<0.2
REP 45/71	QC	11	0.13	32	0.105	<20	0.87	0.012	0.04	0.1	0.26	1.6	<0.1	<0.05	6	<0.5	<0.2
Reference Materials																	
STD DS9	Standard	123	0.67	341	0.115	<20	1.01	0.090	0.40	2.7	0.22	2.3	5.6	0.13	5	5.7	5.1
STD OREAS45EA	Standard	811	0.09	146	0.086	<20	2.90	0.020	0.05	<0.1	<0.01	73.2	<0.1	<0.05	12	<0.5	<0.2
STD DS9 Expected		121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
STD OREAS45EA Expected		849	0.095	148	0.106		3.32	0.027	0.053		0.34	78	0.072	0.044	11.7	2.09	0.11
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2