



Ministry of Energy, Mines & Petroleum Resources
 Mining & Minerals Division
 BC Geological Survey

Assessment Report
 Title Page and Summary

TYPE OF REPORT [type of survey(s)]: GEOCHEMICAL SURVEY

TOTAL COST: \$22,139.44

AUTHOR(S): Dustin Perry

SIGNATURE(S): _____

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

YEAR OF WORK: 2013

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5430179 / February 4, 2013

PROPERTY NAME: FLORES ISLAND

CLAIM NAME(S) (on which the work was done): 946285, 946287, 946291, 946292 and 946300

COMMODITIES SOUGHT: Cu, Mo, Au

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 092E 012, 021, 022, 033, 034, 042, 045, 049

MINING DIVISION: Alberni

NTS/BCGS: 92E/8E / 092E030, 040

LATITUDE: 49 ° 19 ' 55 " LONGITUDE: 126 ° 07 ' 59 " (at centre of work)

OWNER(S):

1) Catface Copper Mines Limited

2) _____

MAILING ADDRESS:

200-580 Hornby Street

Vancouver, BC V6C 3B6

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

1) Catface Copper Mines Limited

2) _____

MAILING ADDRESS:

200-580 Hornby Street

Vancouver, BC V6C 3B6

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

The Flores Island Project is underlain by Paleozoic to Jurassic intrusives of the West Coast Crystalline Complex and Mississippian to Lower Permian marine sedimentary rocks of the Buttle Lake Group. They have been intruded by Jurassic and Eocene intrusives of the Island and Clayoquot Plutonic Suites. The southern portion of the property has been overlain by Eocene Flores Volcanics and Carmanah Group sediments. Mineralization occurs as chalcopyrite disseminations within the Clayoquot

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 02317, 04356, 04956, 08056, 09658, 17428

Plutonic Suite. The property has the potential to host porphyry copper mineralization.

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 54 Ah soils / 53 element ICP-MS			\$10,118.04
Silt			~
Rock			
Other 51 B soils / 36 element ICP-MS			\$9,555.92
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying 106 samples			\$2,465.48
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
TOTAL COST:			\$22,139.44

GEOCHEMICAL ASSESSMENT REPORT
on the
FLORES ISLAND PROPERTY

Tenure No's: 946285, 946287, 946291, 946292, and 946300

Alberni Mining Division

**BC Geological Survey
Assessment Report
33834**

NTS: 92E08E

BCGS Map Sheets: 92E.030, 92E.040

Latitude: 49° 19' 55 N; Longitude: 126° 7' 59 W

UTM (NAD83 – Zone 9): 5468310 N; 708285 E

Owner/Operator Catface Copper Mines Limited– 100%

Author: Dustin Perry

April 22nd, 2013

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5 (in pocket)	Sample Locations	1 : 10,000
6 (in pocket)	Geochemistry: Copper	1 : 10,000
7 (in pocket)	Geochemistry: Gold	1 : 10,000
7 (in pocket)	Geochemistry: Molybdenum	1 : 10,000

1.0 SUMMARY

The Flores Property is located on Flores Island within the Alberni Mining Division and is 11 km northwest from the Catface Cu-Mo porphyry deposit and within the same prospective geology. The property is owned and operated by Catface Copper Mines Limited (“Catface Copper”) The property is host the “Flo” and “JR 2” showings, which are also known as the “Cliff” and “Creek” showings.

This report details the geochemical survey completed between May 17th – May 20th, 2012. A total of 105 soil samples were taken over the course of the program. The program was also designed to give the operators an idea of the logistics and working conditions on the property.

2.0 INTRODUCTION

2.1 Property

The Flores Project is owned 100% by Catface Copper Mines Limited; a private company owned 100% by Selkirk Metals Corp. which is in turn a wholly-owned subsidiary of Imperial Metals Corporation. Catface Copper Mines Limited is the registered owner of the mineral tenures comprising the Flores Island Property. The property is comprised of 20 contiguous mineral claims comprised of 388 cells and covering an area of 8,167.99 ha. A schedule of mineral claims (Appendix C) includes updated expiry dates based upon the Statement of Work (#5430179) filed on February 5, 2013.

2.2 Location and Access

The Flores Island Project is centered on Flores Island off the west coast of Vancouver Island, southwestern British Columbia. The property is located entirely within NTS map sheet 92E/08 and within BCGS map sheets 092E030 and 092E040. The centre of the property is 49° 20.3' North latitude and 126° 8.2' West latitude while the UTM coordinates are 708 000 E, 5 469 000 N (NAD 83, Zone 9). The town of Tofino is approximately 25 km south-southeast of the property.

Access to the Flores Island Project is possible by boat or helicopter. Since there are no currently activated logging roads within the property, transportation is limited to either landing on the shoreline and hiking in, or flying in by helicopter to the interior of the island. Due to the old growth forest, there are very few spots within the island that provide safe landing conditions for a helicopter. Proposed logging on the island would result in easier access in addition to the possibility of roads.



Pacific Ocean

Flores Project

Bella Coola

Port Hardy

Campbell River

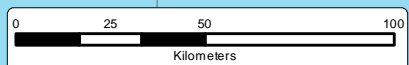
Courtenay

Vancouver

Tofino

Legend

- Cities/Towns
- Major Roads/Ferry Routes
- BC Parks
- Lakes
- Rivers



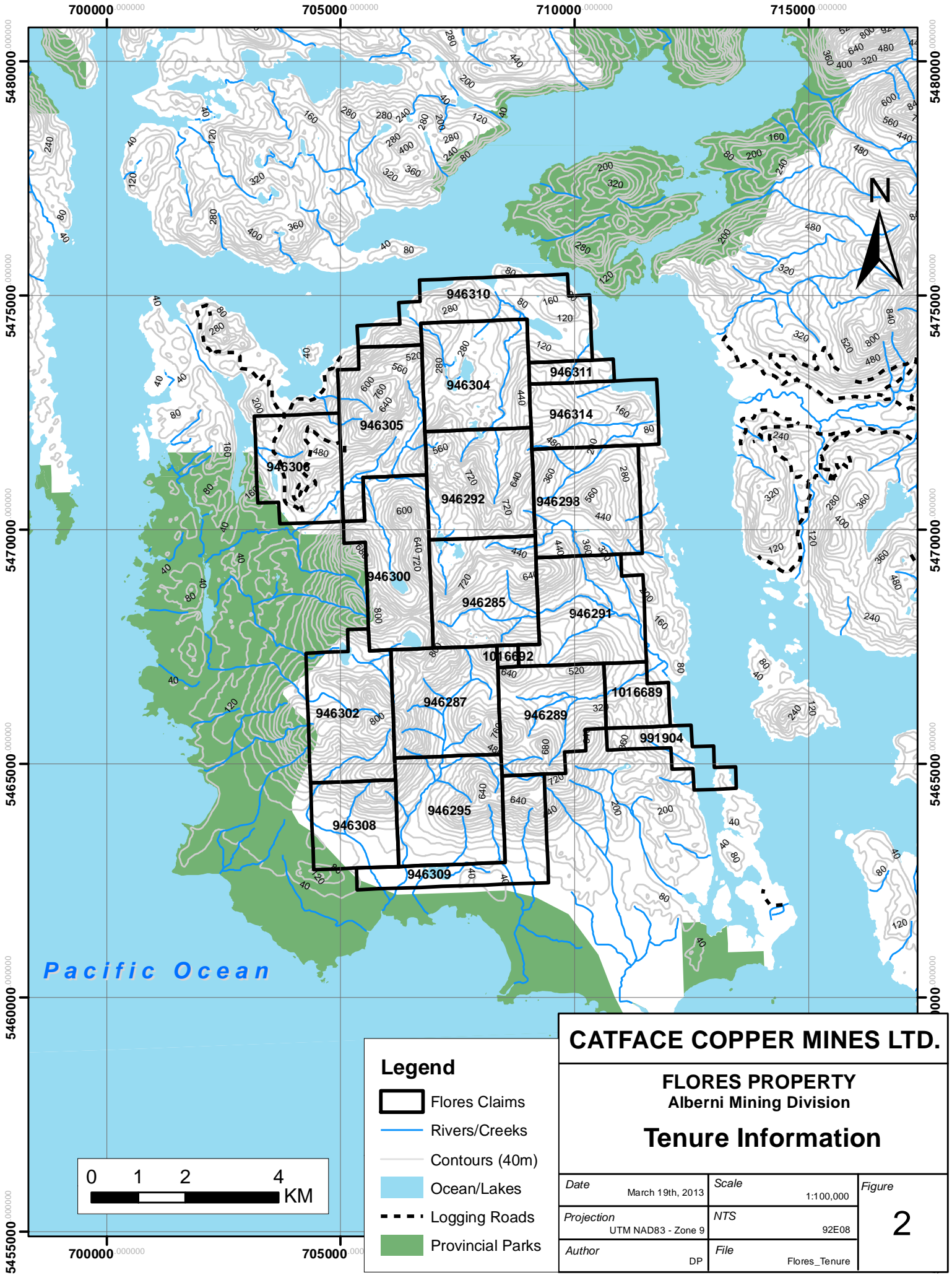
CATFACE COPPER MINES LTD.

FLORES PROPERTY

ALBERNI MINING DIVISION

General Location

Date	March 19, 2013	Scale	1:2,000,000	Figure 1
Projection	Albers Equal Area	Province	British Columbia	
Author	DP	File	Flores_Location	



- Legend**
- Flores Claims
 - Rivers/Creeks
 - Contours (40m)
 - Ocean/Lakes
 - Logging Roads
 - Provincial Parks

CATFACE COPPER MINES LTD.			
FLORES PROPERTY			
Alberni Mining Division			
Tenure Information			
<i>Date</i>	March 19th, 2013	<i>Scale</i>	1:100,000
<i>Projection</i>	UTM NAD83 - Zone 9	<i>NTS</i>	92E08
<i>Author</i>	DP	<i>File</i>	Flores_Tenure
			2

2.3 Climate, Topography, and Vegetation

The climate of the region is classified as West Coast Marine, with mild but wet winter seasons and cool drier summers. Mean annual precipitation is 3,235 mm as rain, and 536 mm of snow. The annual temperature range varies from -15.0°C to 32.8°C, with a mean of 9.0°C (Knight Piesold, 2004). Temperatures are moderated by the proximity of the ocean so that prolonged periods of freezing weather are unusual.

The heavy rainfall that is common in this area can deliver large volumes of water over short periods of time, much of which is intercepted by the forest canopy. The remainder normally runs off rapidly through the soil. Hydrologic data has been collected for Bawden Creek (also referred to in earlier references as Irishman Creek), which runs through the Catface Property ~15 km to the southeast. This data indicates that the flow can be highly variable, with the mean annual high flows in December and low flows in July-August.

The Flores Island Property is located on Flores Island within the Clayoquot Sound region of western Vancouver Island. This area is dominated by the Estevan Coastal Plain, a gently undulating terrain that has been broken into numerous islands and peninsulas by inlets and channels. Steep highly dissected rocky hills are formed by outliers of the Westcoast intrusive complex which forms the Vancouver Island Mountains. Flores Island is approximately 15 km long by 11 km wide. The island is fairly steep and very rugged with the highest point being Mount Flores at 886 m. Throughout the island there are small lakes which are drained by many creeks. The southern and western sides of the island slope down to coastal plains and the northern and eastern sides of the island are much steeper and forested.

The island is largely covered in old growth forests comprised of mainly western red cedar and western hemlock with variable amounts of yellow cedar and amabilis fir. Areas of historic logging on the north end of the island are covered in a typical assemblage of west coast second growth vegetation consisting of thick stands of western hemlock, red cedar, Douglas fir and white pine.

3. HISTORY

Flores Island has received limited exploration with the bulk of work focused on the southern and southeastern regions. Previous exploration has targeted the potential for porphyry Cu-Mo mineralisation. The earliest recorded work within the current claim boundary was done by Falconbridge in 1969 on the Flo group of claims. The claims were centered around the Cliff showing (Minfile No 092E 049) which occurs as chalcopyrite as narrow fracture filling within the quartz monzonite phase of the Clayoquot Plutonic Suite. The initial 1969 program took a total of 83 stream sediment and 398 soil samples (Band, R.B., et al., 1970) with the background copper values around 25 ppm for both silt and soil. The threshold between background and anomalous samples was 50 ppm for both sample types.

In 1972, Florex Mining completed a program of ground based magnetics along with further soil sampling and geological mapping on the JR claims (Stevenson, W.G., 1972). Geologic mapping led to the discovery of the Creek showing within JR creek. The Creek showing consists of chalcopyrite on shear surfaces as well as disseminations and is hosted within the Clayoquot Plutonic Suite. Magnetism revealed several small zones of moderate anomalousness while soil sampling returned lower values than in the initial survey. Later in year, a further 731 soil samples were taken (4356 report).

In 1974, Wesfrob Mines Ltd., completed a program of geologic mapping around the Flo claims. Rock types encountered were granodiorites, quartz monzonites, and quartz-feldspar porphyry (4956 report)

The project area lay dormant until 1980 when Clear Mines Ltd. completed a geophysical program consisting of airborne magnetics, VLF-EM, and radiometrics. Work was completed on the Copper and Gold claims. Lines were oriented east-west with 200 m spacing and 100 m ground clearance. The survey successfully mapped geologic contacts but it was assumed that the 100 m ground clearance affected data quality. Radiometric anomalies were encountered nearby the Cliff and Creek showings, indicating the presence of potassium feldspar and possible potassic alteration.

During 1981, a joint venture between Extotal Resources and Clear Mines Ltd., completed another airborne geophysical survey over the Flores Island claims. The program was followed with a soil geochemistry survey.

4. GEOLOGY

4.1 Regional Geology

Flores Island sits on the west coast of Vancouver Island on the western edge of the Wrangellia Terrane. The region experienced Paleogene magmatism, resulting in plutonic and volcanic rocks being emplaced into or on the Mesozoic country rocks (Smith et al., 2012). The oldest rocks in the area belong to the Paleozoic to Jurassic West Coast Crystalline Complex and range in composition from metamorphic to intrusive. Higher in the succession are the Mississippian to Lower Permian Buttle Lake Group of sedimentary rocks which are comprised of limestone, greywacke, argillite, and chert. The more recent Jurassic Island Plutonic Suite intrudes both of these units with granodiorite, quartz diorite, diorite, quartz monzonite, agmatite, and feldspar porphyry. Together, these three units constitute the Wrangell Terrane on Flores Island.

The west coast of Vancouver Island experienced more magmatism in the Eocene (Figure 3). The Clayoquot Plutonic Suite along with the Mt Washington Plutonic Suite, were formerly known as the Catface Intrusions (Muller and Carson, 1969) but were divided into eastern and western belts based on geographic separation (Carson, 1973). These episodes of magmatism were responsible for the Cu-Mo mineralisation at the Catface porphyry deposit. The Clayoquot Plutonic Suite is found on Flores Island, where it is comprised of quartz diorite, granodiorite, quartz monzonite, and dacite porphyry.

The southern portion of Flores Island is comprised of the Flores Volcanics. The calc-alkaline volcanics were likely coeval to Eocene plutonism. Table 1 outlines the lithologies on Flores Island.

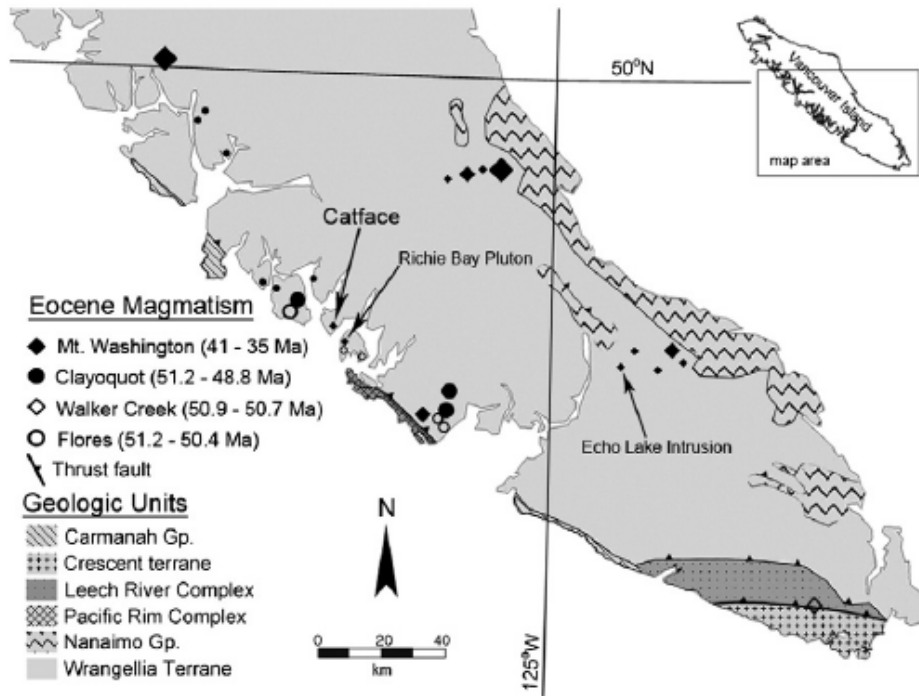


Figure 3 - Eocene Magmatism on Vancouver Island (from Smith, C.M. et al., 2012)

AGE	FORMATION	LITHOLOGY
Eocene to Oligocene	Carmanah Formation	Siltstone, shale, sandstone, pebble to boulder conglomerate.
Paleocene to Eocene	Flores Volcanics	Subaerial andesite to rhyolite, welded tuff, ash-flow tuff, tuff breccia, dacite to rhyolite.
Paleocene to Eocene	Clayoquot Plutonic Suite	Quartz diorite, granodiorite, quartz monzonite, dacite porphyry.
Jurassic	Island Plutonic Suite	Granodiorite, quartz dacite, quartz monzonite, diorite, agmatite, feldspar porphyry.
Mississippian to Lower Permian	Buttle Lake Group	Limestone, greywacke, argillite, chert.
Paleozoic to Jurassic	West Coast Crystalline Complex	Quartz diorite, tonalite, amphibolites.

Table 1 - Flores Island Geology
(based on BCGS bedrock geology)

4.2 Property Geology

The targeted host rocks for Cu-Mo porphyry mineralization on the Flores Island Project are the Eocene intrusives of the Clayoquot Plutonic Suite. Since only coarse regional mapping and limited detailed mapping exists on the property, the actual contact between the Clayoquot Plutonic Suite and the West Coast Crystalline Complex is unknown. Figure 4 displays the property geology as mapped by B.C. Geological Survey geologists. The potential exists for off shoots of the Clayoquot intrusives into the West Coast Crystalline rocks and detailed geophysics are required on a property scale to determine if this possibility exists.

5. 2012 EXPLORATION PROGRAM

The 2012 geochemical program on the Flores Island Project was the first site visit by the owner/operator Catface Copper since acquiring the property by staking in February 2012. The program carried out from May 17th to 20th was limited in its extent due to time constraints and is only the first step in a necessary property wide evaluation. The goal of this preliminary program was to determine the effectiveness of Ah- and B-horizon soil sampling, possible landing sites, and general working conditions on the property.

A field crew was comprised of one geologist and two field assistants from Catface Copper in addition to three First Nation's field assistants from the town of Ahousaht. Crews were based out of Ucluelet and Ahousaht and the property was accessed by helicopter each day from the Long Beach Airport. Due to the difficult topography and inability to land on most parts of the island, field crews focused on areas where landing was possible. The first area was a small boggy area to the northwest of the existing "Cliff" showing. The second area was 2.5 km to the northwest in an area of depressed vegetation and bogs.

In total, 54 Ah-horizon and 51 B-horizon soil samples were taken. Both samples were taken at the same sample site except when a soil horizon was not present at a feasible depth for sampling. Prospecting was completed within the vicinity of the sample lines but no rock samples were taken.

Sampling Procedures and Analytical Methodology

Soil samples were taken at 50 m spacing along lines that varied in spacing. Sample lines were not oriented in a particular direction but were run in directions favourable for completing the maximum samples in a day. This was done to achieve the largest sample inventory possible in the short program while covering as much ground as possible. The primary goal of this survey was to determine the effectiveness of both sampling methods as well as determine whether historic sampling contained similar values.

Ah sampling procedures and methodology were drawn from Heberlein's (Geoscience BC report 2011-3) studies at the Kwanika porphyry Cu-Au deposit in BC. Samples of decomposed organic material were taken from the Ah horizon immediately above the mineral layer (i.e., Ae, Aej, Bm, B, or C-horizons). Care was taken to exclude any material from the mineral layer or any LFH material. Due to the small sample size, any samples that came in contact with mineral soil were discarded. Sample sites were prepared by carefully removing moss and sampling the black organic material below it. More often than not and due to the minimal thickness of the Ah horizon, samples were a composite over ~5m. Samples were placed in Kraft soil-sample bags and allowed to air dry prior to shipment.

Ah samples were analyzed at ACME labs in Vancouver, BC. Sample preparation procedures were as follows: 1) Air dry no hotter than 45°C 2) Sieve entire sample at -80 mesh and 3) Analysis of 15g with 1F05 package or if less than 15 g, use 7.5g with 1F04.

B Samples were taken by exposing the B-horizon with a treeplanting shovel. The shovel was “washed” in soil near each new sample site as to avoid contamination from prior sites. Samples were placed in Kraft soil-sample bags and air dried before shipment.

B samples were analyzed at ACME labs in Vancouver, BC. Sample preparation procedures were as follows: A) Kiln dry to 60°C, B) Sieve to -80 mesh, C) Analysis of 15g with the 1DX2 package.

Results

The 2012 soil sampling program on the Flores Island Project did not reveal any areas of strong anomalism. The program did, however, produce encouraging results in the most northerly sampled area. Sample values were relatively low but that area contained the highest values for copper in the survey. Additionally, the northern area showed anomalous values in both arsenic and manganese. The soil survey failed to locate areas of anomalous gold or molybdenum outside of single anomalies.

The results of this program show that Ah and B sampling in conjunction are an effective means for sampling on the Flores Island Project. Maps showing sample locations as well as values for copper, gold, and molybdenum, can be found in Appendix F. Sample descriptions and assay certificates are also found in Appendices D and E.

6. CONCLUSIONS

Given the large size of the property and the prospective geology, the Flores Island Project has good exploration potential for porphyry Cu-Mo deposits. Only a small area of the property has been subjected to intense exploration and the property has not been diamond drilled. Given the fact that historic stream sediment sampling varied greatly from the BCGS RGS sampling, the island should not be written off due to low RGS values near river mouth's at sea level. Additionally, historic aeromagnetic surveys were limited in their effectiveness due to high ground clearance for flights and the equipment of the time. Modern geophysical equipment should allow for accurate readings on the property.

Future work should focus on defining targets based upon both geophysics and soil geochemistry. Since the property has very difficult working conditions, these property wide surveys will allow geologists to focus on the most anomalous regions for geological work.

7. RECOMMENDATIONS

An initial property wide two stage reconnaissance program is recommended on the Flores Island Property:

Phase 1: Initial geophysics and stream sediment sampling to define targets.

An airborne magnetic survey and detailed (100 m spacing) stream sediment sampling on all creeks within claim boundary. As creeks are sampled they should be mapped by a geologist.

Phase 2: Follow up work should target anomalous drainages as well as magnetic anomalies.

A soil sampling survey should be completed with 50 m spacing on 200 m spaced lines in conjunction with a prospecting and geological mapping program. Resulting anomalies should be further explored using IP.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'DP' with a stylized flourish.

Dustin Perry

REFERENCES:

- Brown, D.H., 1974**, Geological Map and Report on the Flo 1, 2, 7, 8, & 9 Mineral Claims of the Flo Group. Wesfrob Mines Ltd. (Assessment Report # 4956).
- Filo, K, 1981**, Report on the Geological and Geochemical Work on the Claims. Alberni Mining Division, B.C. (Assessment Report #9658).
- Heberlein, D.R. and Samson, H., 2010**: An Assessment of Soil Geochemical Methods for Detecting Copper-Gold Porphyry Mineralization through Quaternary Glaciofluvial Sediments at the Kwanika Central Zone, North-Central British Columbia. Geoscience BC Report 2010-3, January 2010, 89 pp.
- Marks, D.G., 1980**, Geophysical Report on Airborne Magnetic, V.L.F.-E.M., and Radiometric Surveys over the Copper and Gold Mineral Claims. Flores Island. Alberni Mining Division, B.C. (Assessment Report # 8056).
- McDougall, J.J., 1970**, Geochemical Report on the Flo Group Mineral Claims. Alberni Mining Division, B.C. Falconbrige Nickel Mines Ltd. (Assessment Report #2317).
- Randall, A.W., 1972**, Report on the Geochemical Survey of the Flores Island Project. Alberni Mining Division, B.C. Florex Mines Ltd. (Assessment Report #4356).
- Smith, C.M. et al., 2012**, Reduced Granitic Magmas in an Arc Setting: The Catface Porphyry Cu-Mo Deposit of the Paleogene Cascade Arc. *Lithos*. Vol 154, pp. 361-373.
- Stevenson, W.G., 1972**, Geological, Geochemical, and Geophysical Report on the JR Claims. Alberni Mining Division, B.C. Florex Mining Co. Ltd. (Assessment Report #3689).

APPENDIX A: Statement of Qualifications

For: Dustin Perry of 14-7450 Prospect St. Pemberton, B.C. V0N 2L1

I have completed the science requirements of a Bachelor of Science in Earth and Ocean Science degree and the University of British Columbia and I am currently enrolled in my final course.

I have been practising my profession as a geologist in mineral exploration and mining continuously since May 2010 and seasonally since May 2008.

The observations, conclusions and recommendations contained in the report are based on data generated from field work I performed between May 17th and May 20th, 2012 while under the supervision of Jim Miller-Tait, P. Geo.



Dustin Perry
April 22nd, 2013

APPENDIX B: Statement of Expenditures

Item / Contractor	Work	Period	Quantity	Unit	Rate	Amount
Personnel:						
Jim Miller-Tait, P.Geo.	Exploration Manager, general supervision		1	days	\$715.00	\$715.00
Dustin Perry	Project geologist	May 11, 15-18, 21, 2012	6	days	\$390.00	\$2,340.00
Michael Weldon	Field assistant	May 15-21, 2012	7	days	\$299.00	\$2,093.00
Sam McIlwain	Field assistant	May 15-18, 20, 21, 2012	6	days	\$247.00	\$1,482.00
George P. Frank	Field assistant	May 17, 18, 20, 2012	3	days	\$250.00	\$750.00
Keon Frank	Field assistant	May 17, 18, 2012	2	days	\$190.00	\$380.00
Johnny John	Field assistant	May 17, 18, 20, 2012	3	days	\$190.00	\$570.00
Subtotal						\$8,330.00
Accommodation & Meals:						
Pacific Rim Motel	D. Perry, M. Weldon, S. McIlwain	May 15-18, 2012	12	days	\$69.36	\$832.32
Food / Meal Expenditures	Dustin Perry	May 11, 15-18, 21, 2012	9	days		\$977.32
Food / Meal Expenditures	Michael Weldon	May 15-21, 2012	7	days		\$91.61
Subtotal						\$1,901.25
Transportation (Air):						
Coulson Aircrane Ltd.	Helicopter transport from Tofino to property	May 17, 18, 20, 2012	5.9	hours	\$1,133.13	\$6,685.44
Air Canada / Orca Airways	M. Weldon: Kelowna - Vancouver	May 15, 2012				\$233.12
Subtotal						\$6,918.56
Transportation (Vehicle):						
Toyota Tacoma	D. Perry vehicle	May 15-21, 2012	1012	km	\$0.40	\$404.80
Fuel	D. Perry vehicle	May 15-21, 2012				\$232.69
BC Ferry	D. Perry vehicle	May 15, 2012	1			\$67.25
BC Ferry	M. Weldon:	May 15, 21, 2012	2			\$148.13
Subtotal						\$852.87
Assaying:						
Acme Analytical Laboratories	B Soil Samples: 1DX2 analytical code		51	samples	\$20.18	\$1,029.18
	Ah Soil Samples: 1F05 analytical code		54	samples	\$26.60	\$1,436.40
Subtotal						\$2,465.58
Field Supplies:						
Deakin Equipment Ltd.	Sampling & engineering supplies					\$157.98
Subtotal						
Drafting:						
Dustin Perry, Project Geologist	GIS work: geochem maps		1	days	\$390.00	\$390.00

Report Preparation:						
Dustin Perry, Project Geologist	Data compilation, report preparation		2	days	\$390.00	\$780.00
Erik Andersen	Data preparation, report editing		6	hours	\$57.20	\$343.20
Subtotal						\$1,123.20
Total	Tenures: 946285, 946287, 946291, 946292 and 946300					\$22,139.44

APPENDIX C: Tenure Information

FLORES ISLAND PROPERTY: MINERAL TENURES						Date:	Apr 16 2013
OWNER:	Catface Copper Mines Limited	100.0%	BC Client No.	104480		Tenures:	20
ROYALTY:	nil					Cells/Units:	388
						Area (ha):	8,167.99

MINING DIVISION: Alberni
LAND DISTRICT: Clayoquot
LOCATION: 25 km northwest of Tofino on Flores Island on the west central side of Vancouver Island.
MAP NO. NTS: 092E/08E GEOGRAPHIC COORDINATES: 49° 20.3' N; 126° 08.2' W
BCGS: 092E030, 092E040 UTM COORDINATES (NAD 83, ZONE 9N): 5 469 000 N 708 000 E

Tenure No.	Tenure Type	Claim Name	Map No.	Record Date	Good To Date	Cells	Area (ha)	Work Year	Work Factor	Work**
946285	Mineral	FI 1	092E040	2012/Feb/04	2013/Nov/15	25	526.25	1	\$5.00	\$2,631.25
946287	Mineral	FI 2	092E040	2012/Feb/04	2013/Nov/15	25	526.48	1	\$5.00	\$2,632.40
946289	Mineral	FI 3	092E040	2012/Feb/04	2013/Nov/15	22	463.33	1	\$5.00	\$2,316.65
946291	Mineral	FI 4A	092E040	2012/Feb/04	2013/Nov/15	25	526.30	1	\$5.00	\$2,631.50
946292	Mineral	FI 4B	092E040	2012/Feb/04	2013/Nov/15	25	526.03	1	\$5.00	\$2,630.15
946295	Mineral	FI 5	092E030	2012/Feb/04	2013/Nov/15	25	526.69	1	\$5.00	\$2,633.45
946298	Mineral	FI 6A	092E040	2012/Feb/04	2013/Nov/15	25	526.07	1	\$5.00	\$2,630.35
946300	Mineral	FI 6B	092E040	2012/Feb/04	2013/Nov/15	25	526.18	1	\$5.00	\$2,630.90
946302	Mineral	FI 7	092E040	2012/Feb/04	2013/Nov/15	25	526.48	1	\$5.00	\$2,632.40
946304	Mineral	FI 8	092E040	2012/Feb/04	2013/Nov/15	25	526.81	1	\$5.00	\$2,634.05
946305	Mineral	FI 9	092E040	2012/Feb/04	2013/Nov/15	25	525.88	1	\$5.00	\$2,629.40
946306	Mineral	FI 10	092E040	2012/Feb/04	2013/Nov/15	19	399.71	1	\$5.00	\$1,998.55
946308	Mineral	FI 11	092E030	2012/Feb/04	2013/Nov/15	16	337.09	1	\$5.00	\$1,685.45
946309	Mineral	FI 12	092E030	2012/Feb/04	2013/Nov/15	17	358.20	1	\$5.00	\$1,791.00
946310	Mineral	FI 13	092E040	2012/Feb/04	2013/Nov/15	25	525.68	1	\$5.00	\$2,628.40
946311	Mineral	FI 14	092E040	2012/Feb/04	2013/Nov/15	4	84.13	1	\$5.00	\$420.65
946314	Mineral	FI 15	092E040	2012/Feb/04	2013/Nov/15	18	378.64	1	\$5.00	\$1,893.20
991904	Mineral	FI 16	092E030, 040	2012/May/31	2013/May/31	8	168.51	1	\$5.00	\$842.55
1016689	Mineral	FI 17	092E040	2013/Feb/05	2014/Feb/05	8	168.47	1	\$5.00	\$842.35
1016692	Mineral	FI 18	092E040	2013/Feb/05	2014/Feb/05	1	21.06	1	\$5.00	\$105.30
Total	20					388	8,167.99			\$40,839.95

** Based on Mineral Tenure Act Regulation Amendments effective July 1, 2012: Year 1 and 2 / \$5.00/ha; Year 3 and 4 / \$10.00/ha; Year 5 and 6 / \$15.00/ha; Year 7 and beyond / \$20.00/ha

2013 Tenure Maintenance Requirements:	Assessment or Cash-in Lieu @ 2x work requirement	Work	\$40,839.95
		Cash-in-Lieu	\$81,679.90

APPENDIX D: Sample Descriptions

Type	Sample ID	Zone	Easting	Northing	Depth (cm)	Moisture	Environment	Slope	Date	Sampler
Ah-Soil	1722301	9	708539	5467384	10	3	3	5	May 17th	George
Ah-Soil	1722303	9	708586	5467405	5	3	1	2	May 17th	George
Ah-Soil	1722305	9	708634	5467430	10	2	1	2	May 17th	George
Ah-Soil	1722307	9	708678	5467444	5	2	1	2	May 17th	George
Ah-Soil	1722309	9	708707	5467454	10	2	1	2	May 17th	George
Ah-Soil	1722311	9	708751	5467469	5	3	1	2	May 17th	George
Ah-Soil	1722313	9	708797	5467489	10	2	1	2	May 17th	George
Ah-Soil	1722315	9	708843	5467499	10	2	1	2	May 17th	George
Ah-Soil	1722317	9	708889	5467513	5	2	1	2	May 17th	George
Ah-Soil	1722319	9	708933	5467528	5	3	1	2	May 17th	George
Ah-Soil	1722321	9	708968	5467544	15	3	1	2	May 17th	George
Ah-Soil	1722184	9	708501	5467538	10	2	3	4	May 17th	SM
Ah-Soil	1722185	9	708550	5467559	5	2	3	4	May 17th	SM
Ah-Soil	1722188	9	708600	5467578	10	2	1	3	May 17th	SM
Ah-Soil	1722190	9	708648	5467597	10	2	1	3	May 17th	SM
Ah-Soil	1722192	9	708693	5467619	15	2	1	2	May 17th	SM
Ah-Soil	1722193	9	708746	5467628	10	2	1	2	May 17th	SM
Ah-Soil	1722194	9	708794	5467647	15	3	1	2	May 17th	SM
Ah-Soil	1722196	9	708841	5467665	15	2	1	2	May 17th	SM
Ah-Soil	1722197	9	708884	5467682	20	2	1	2	May 17th	SM
Ah-Soil	1722199	9	708928	5467703	15	1	1	2	May 17th	SM
Ah-Soil	1722323	9	707542	5470095	10	2	1	2	May 18th	George
Ah-Soil	1722325	9	707543	5470048	5	2	1	1	May 18th	George
Ah-Soil	1722327	9	707547	5469993	10	2	3	5	May 18th	George
Ah-Soil	1722329	9	707548	5469948	5	3	3	5	May 18th	George
Ah-Soil	1722331	9	707555	5469896	5	3	1	5	May 18th	George
Ah-Soil	1722333	9	707564	5469849	10	3	1	5	May 18th	George
Ah-Soil	1722335	9	707573	5469800	15	2	1	1	May 18th	George
Ah-Soil	1722337	9	707580	5469746	10	2	1	2	May 18th	George
Ah-Soil	1722339	9	707586	5469700	10	2	1	2	May 18th	George
Ah-Soil	1722341	9	707589	5469649	15	2	1	2	May 18th	George
Ah-Soil	1722343	9	707600	5469604	4	2	1	4	May 18th	George
Ah-Soil	1722345	9	707625	5469551	10	2	1	4	May 18th	George
Ah-Soil	1722347	9	707653	5469511	10	2	1	4	May 18th	George

Ah-Soil	1722349	9	707646	5469464	5	2	1	4	May 18th	George
Ah-Soil	1722351	9	707025	5470001	5	1	2	4	May 18th	SM
Ah-Soil	1722353	9	707022	5469949	10	1	2	4	May 18th	SM
Ah-Soil	1722355	9	707031	5469895	10	2	2	2	May 18th	SM
Ah-Soil	1722357	9	707037	5469854	5	1	2	4	May 18th	SM
Ah-Soil	1722359	9	706882	5469835	10	1	2	2	May 18th	SM
Ah-Soil	1722361	9	706881	5469779	10	1	2	2	May 18th	SM
Ah-Soil	1722363	9	706881	5469722	15	1	2	2	May 18th	SM
Ah-Soil	1722364	9	706883	5469671	15	1	2	2	May 18th	SM
Ah-Soil	1722366	9	706883	5469622	10	1	2	2	May 18th	SM
Ah-Soil	1722368	9	707042	5469646	15	3	2	4	May 18th	SM
Ah-Soil	1722370	9	707045	5469601	10	2	2	3	May 18th	SM
Ah-Soil	1722372	9	707047	5469550	10	3	2	3	May 18th	SM
Ah-Soil	1722374	9	707044	5469498	5	1	2	4	May 18th	SM
Ah-Soil	1722376	9	707052	5469449	10	1	2	4	May 18th	SM
Ah-Soil	1722378	9	707058	5469398	5	1	2	4	May 18th	SM
Ah-Soil	1720509	9	708207	5466740	10	2	2	2	May 20th	SM
Ah-Soil	1720511	9	708211	5466691	10	3	2	4	May 20th	SM
Ah-Soil	1720513	9	708211	5466641	10	3	2	4	May 20th	SM
Ah-Soil	1720515	9	708213	5466591	5	3	2	4	May 20th	SM

Type	Sample ID	Zone	Easting	Northing	Depth (cm)	Environment	Slope	Date	Sampler
B-Soil	1722183	9	708501.4	5467538.28	10	3	4	May 17th	SM
B-Soil	1722186	9	708549.9	5467558.6	20	3	4	May 17th	SM
B-Soil	1722187	9	708600.4	5467578.22	10	1	3	May 17th	SM
B-Soil	1722189	9	708647.6	5467597.05	20	1	3	May 17th	SM
B-Soil	1722191	9	708692.7	5467618.58	35	1	2	May 17th	SM
B-Soil	1722195	9	708794.4	5467647.27	25	1	2	May 17th	SM
B-Soil	1722198	9	708883.8	5467682.06	10	1	2	May 17th	SM
B-Soil	1722200	9	708927.5	5467702.65	20	1	2	May 17th	SM
B-Soil	1722302	9	708538.5	5467383.86	90	3	5	May 17th	George
B-Soil	1722304	9	708586.2	5467404.82	30	1	2	May 17th	George
B-Soil	1722306	9	708634.1	5467429.57	50	1	2	May 17th	George
B-Soil	1722308	9	708678.5	5467443.83	35	1	2	May 17th	George
B-Soil	1722310	9	708706.6	5467453.7	20	1	2	May 17th	George
B-Soil	1722312	9	708751.5	5467468.87	15	1	2	May 17th	George
B-Soil	1722314	9	708803.8	5467488.57	15	1	2	May 17th	George
B-Soil	1722316	9	708843.5	5467498.87	25	1	2	May 17th	George
B-Soil	1722318	9	708889.4	5467513	10	1	2	May 17th	George
B-Soil	1722320	9	708932.6	5467528.42	10	1	2	May 17th	George
B-Soil	1722322	9	708967.9	5467544.12	25	1	2	May 17th	George
B-Soil	1722324	9	707542.5	5470094.55	10	1	2	May 18th	George
B-Soil	1722326	9	707542.6	5470048.36	10	1	1	May 18th	George
B-Soil	1722328	9	707547.3	5469993.44	15	3	5	May 18th	George
B-Soil	1722330	9	707547.5	5469948.04	15	3	5	May 18th	George
B-Soil	1722332	9	707554.7	5469896.44	15	3	5	May 18th	George
B-Soil	1722334	9	707564.1	5469849.04	25	1	5	May 18th	George
B-Soil	1722336	9	707572.8	5469800.17	10	1	1	May 18th	George
B-Soil	1722338	9	707580.1	5469745.57	20	1	2	May 18th	George
B-Soil	1722340	9	707585.6	5469699.58	40	1	2	May 18th	George
B-Soil	1722342	9	707589	5469648.74	40	1	2	May 18th	George
B-Soil	1722344	9	707600	5469604.18	25	1	4	May 18th	George
B-Soil	1722346	9	707625.3	5469551.15	25	1	4	May 18th	George
B-Soil	1722348	9	707652.6	5469510.89	25	1	4	May 18th	George
B-Soil	1722350	9	707645.8	5469463.66	15	1	4	May 18th	George

B-Soil	1722352	9	707024.7	5470001.17	15	2	4	May 18th	SM
B-Soil	1722354	9	707022	5469948.75	25	2	4	May 18th	SM
B-Soil	1722356	9	707031.1	5469894.55	20	2	2	May 18th	SM
B-Soil	1722358	9	707036.8	5469853.92	10	2	4	May 18th	SM
B-Soil	1722360	9	706882.4	5469835.4	20	2	2	May 18th	SM
B-Soil	1722362	9	706881.3	5469779.48	30	2	2	May 18th	SM
B-Soil	1722365	9	706882.6	5469670.55	40	2	2	May 18th	SM
B-Soil	1722367	9	706883.2	5469622.16	20	2	2	May 18th	SM
B-Soil	1722369	9	707041.5	5469646.06	25	2	4	May 18th	SM
B-Soil	1722371	9	707045.2	5469600.56	40	2	3	May 18th	SM
B-Soil	1722373	9	707046.7	5469550.31	45	2	3	May 18th	SM
B-Soil	1722375	9	707044.3	5469498.01	10	2	4	May 18th	SM
B-Soil	1722377	9	707052.4	5469449.34	15	2	4	May 18th	SM
B-Soil	1722379	9	707058.1	5469397.68	15	2	4	May 18th	SM
B-Soil	1720510	9	708207	5466740.35	20	2	2	May 20th	SM
B-Soil	1720512	9	708210.6	5466690.85	15	2	4	May 20th	SM
B-Soil	1720514	9	708211.1	5466641.44	25	2	4	May 20th	SM
B-Soil	1720516	9	708212.8	5466590.86	20	2	4	May 20th	SM

APPENDIX E: Analytical Reports



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Catface Copper Mines Limited
200 - 580 Hornby Street
Vancouver BC V6C 3B6 Canada

Submitted By: Email Distribution List
Receiving Lab: Canada-Vancouver
Received: May 22, 2012
Report Date: June 08, 2012
Page: 1 of 3

CERTIFICATE OF ANALYSIS

VAN12002368.1

CLIENT JOB INFORMATION

Project: Flores
Shipment ID: F-1
P.O. Number
Number of Samples: 52

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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

Invoice To: Catface Copper Mines Limited
200 - 580 Hornby Street
Vancouver BC V6C 3B6
Canada

CC: Dustin Perry

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include methods like Dry at 60C, SS80, RJSV, and 1DX2.

ADDITIONAL COMMENTS



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



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Catface Copper Mines Limited**
 200 - 580 Hornby Street
 Vancouver BC V6C 3B6 Canada

Project: Flores
 Report Date: June 08, 2012

Page: 2 of 3

Part: 1 of 2

CERTIFICATE OF ANALYSIS

VAN12002368.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	
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	2	0.01	0.001	1	
1722352	Soil	1.3	16.7	4.9	13	<0.1	23.7	8.6	87	5.34	5.9	2.1	0.8	6	<0.1	0.9	0.2	118	0.14	0.017	2
1722354	Soil	0.9	5.7	5.1	17	<0.1	31.8	11.6	107	4.75	4.8	2.8	0.5	9	<0.1	1.1	0.2	130	0.18	0.015	3
1722356	Soil	0.4	6.5	7.3	11	<0.1	17.0	8.2	103	2.43	2.8	3.6	0.3	11	<0.1	0.9	0.2	121	0.21	0.016	2
1722358	Soil	0.3	117.1	10.1	162	<0.1	72.9	31.4	483	2.98	6.0	2.6	0.6	63	0.6	0.7	0.1	70	0.61	0.017	1
1722360	Soil	0.2	125.3	12.0	138	<0.1	64.1	24.3	297	2.85	5.8	3.0	0.7	49	0.5	0.6	0.2	69	0.48	0.024	1
1722362	Soil	1.3	10.4	4.5	12	<0.1	13.7	4.8	85	6.06	4.0	2.3	0.8	11	<0.1	0.8	0.2	199	0.14	0.014	3
1722365	Soil	1.0	49.1	6.7	31	0.1	32.1	14.2	185	8.97	6.5	2.2	0.7	12	0.1	1.1	0.3	196	0.18	0.017	2
1722367	Soil	0.6	15.4	7.3	18	<0.1	18.9	7.3	109	3.71	2.4	1.3	0.2	15	<0.1	0.5	0.2	140	0.21	0.027	2
1722369	Soil	0.9	7.6	5.8	22	<0.1	21.3	11.0	154	7.72	9.4	1.5	0.7	9	<0.1	2.0	0.4	200	0.22	0.013	2
1722371	Soil	0.2	0.9	5.0	11	<0.1	5.3	2.3	67	1.09	4.0	2.1	0.5	12	<0.1	4.5	0.2	62	0.27	0.011	3
1722373	Soil	2.8	47.6	65.4	42	0.3	16.9	135.4	3425	8.39	7.6	2.7	0.6	22	0.6	0.8	0.5	148	0.29	0.034	4
1722375	Soil	1.3	30.5	6.4	25	<0.1	17.0	10.0	127	8.72	13.1	2.0	0.7	8	<0.1	2.7	0.4	258	0.15	0.018	1
1722377	Soil	0.4	7.0	9.1	13	<0.1	13.0	6.2	82	1.62	2.7	4.0	0.2	11	<0.1	1.1	0.4	71	0.19	0.023	4
1722379	Soil	0.8	9.3	14.4	26	<0.1	10.9	5.4	132	2.97	6.6	8.1	0.9	24	<0.1	1.8	0.6	119	0.22	0.018	3
1720510	Soil	0.2	1.2	4.0	3	<0.1	0.5	0.3	32	0.43	0.9	<0.5	0.4	3	<0.1	0.7	0.2	26	0.03	0.009	3
1720512	Soil	1.1	33.1	25.3	65	0.6	2.6	4.1	192	1.16	3.0	10.6	2.9	14	<0.1	0.4	0.6	30	0.11	0.012	5
1720514	Soil	1.2	32.5	12.9	35	0.1	2.2	2.2	145	2.17	4.6	3.7	2.7	13	0.1	0.5	0.5	38	0.09	0.015	5
1720516	Soil	0.2	0.7	3.0	3	<0.1	0.5	0.1	12	0.16	0.8	0.8	0.6	5	<0.1	0.1	<0.1	10	0.10	0.013	3
1722346	Soil	0.3	48.7	4.6	23	<0.1	24.1	14.2	161	2.70	5.7	1.3	0.3	56	<0.1	0.4	<0.1	115	0.60	0.034	1
1722348	Soil	0.7	14.0	5.5	28	<0.1	19.3	12.6	178	3.93	2.9	1.6	0.4	21	<0.1	0.4	0.1	182	0.31	0.027	2
1722350	Soil	0.6	8.7	8.5	22	0.3	15.3	8.2	167	2.68	3.7	1.6	0.4	21	<0.1	0.3	0.2	86	0.20	0.044	2
1722183	Soil	0.5	2.5	8.6	5	<0.1	0.6	0.2	42	0.66	0.7	0.7	0.9	3	<0.1	0.5	0.4	28	0.03	0.005	4
1722185	Soil	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.
1722186	Soil	0.4	3.4	10.5	4	0.2	0.5	0.1	31	0.21	<0.5	3.0	0.7	4	<0.1	0.3	0.7	14	0.03	0.009	5
1722187	Soil	1.4	10.3	14.0	8	<0.1	1.2	0.9	48	3.34	4.6	0.7	2.1	5	<0.1	1.2	2.0	76	0.04	0.011	4
1722189	Soil	1.1	3.0	8.0	6	<0.1	0.8	0.4	48	2.10	1.9	1.7	1.8	4	<0.1	1.1	0.7	54	0.04	0.007	4
1722191	Soil	1.0	2.6	6.9	7	<0.1	1.0	0.8	47	1.71	2.6	1.1	0.9	7	<0.1	0.6	0.9	50	0.06	0.012	3
1722195	Soil	0.7	1.8	23.5	15	<0.1	0.7	0.3	123	1.92	3.4	0.6	0.6	19	<0.1	2.4	0.4	54	0.14	0.011	2
1722198	Soil	1.7	9.6	25.4	22	0.3	2.3	1.8	57	3.91	4.0	1.8	1.1	25	<0.1	0.8	1.6	71	0.11	0.031	5
1722200	Soil	1.2	6.8	11.0	18	<0.1	1.6	1.3	58	3.19	3.3	0.9	1.3	7	<0.1	0.7	1.2	70	0.07	0.015	4

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



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Client: **Catface Copper Mines Limited**
 200 - 580 Hornby Street
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Project: Flores
 Report Date: June 08, 2012

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Part: 2 of 2

CERTIFICATE OF ANALYSIS

VAN12002368.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1722352	Soil	184	0.77	4	0.092	3	6.10	0.016	0.02	<0.1	0.10	2.7	<0.1	<0.05	21	3.2	<0.2
1722354	Soil	199	1.02	4	0.074	3	1.81	0.018	0.02	<0.1	0.07	2.2	<0.1	<0.05	16	1.8	<0.2
1722356	Soil	64	0.63	5	0.071	2	0.99	0.019	0.02	<0.1	0.08	2.1	<0.1	<0.05	9	1.1	<0.2
1722358	Soil	122	1.89	59	0.058	3	6.22	0.043	0.02	<0.1	0.10	5.1	<0.1	<0.05	8	2.0	<0.2
1722360	Soil	103	1.59	47	0.057	3	7.47	0.041	0.02	<0.1	0.22	5.0	<0.1	<0.05	8	2.0	<0.2
1722362	Soil	162	0.36	7	0.128	1	2.89	0.013	0.01	<0.1	0.12	3.5	<0.1	<0.05	20	1.4	<0.2
1722365	Soil	186	0.91	9	0.175	2	2.94	0.017	0.02	<0.1	0.13	3.7	<0.1	<0.05	23	1.6	<0.2
1722367	Soil	102	0.54	9	0.093	3	1.24	0.023	0.03	<0.1	0.09	1.7	<0.1	<0.05	13	0.9	<0.2
1722369	Soil	195	0.85	4	0.159	4	2.16	0.021	0.02	<0.1	0.07	5.3	<0.1	<0.05	18	3.7	<0.2
1722371	Soil	42	0.26	3	0.087	5	0.38	0.011	0.01	<0.1	0.05	2.5	<0.1	<0.05	5	<0.5	<0.2
1722373	Soil	110	0.47	12	0.058	5	4.00	0.016	0.03	<0.1	0.30	4.4	0.1	<0.05	16	10.4	<0.2
1722375	Soil	186	0.64	5	0.097	1	7.15	0.015	0.01	0.1	0.25	4.7	<0.1	<0.05	27	2.3	<0.2
1722377	Soil	59	0.57	10	0.031	3	1.46	0.018	0.03	<0.1	0.10	2.4	<0.1	<0.05	11	1.7	<0.2
1722379	Soil	69	0.51	9	0.116	4	1.86	0.018	0.03	<0.1	0.17	4.0	<0.1	<0.05	20	1.9	<0.2
1720510	Soil	5	0.02	6	0.037	1	0.21	0.008	0.02	<0.1	0.03	0.2	<0.1	<0.05	3	<0.5	<0.2
1720512	Soil	5	0.20	20	0.061	<1	1.66	0.013	0.03	0.2	0.15	1.2	<0.1	<0.05	15	2.0	<0.2
1720514	Soil	7	0.17	20	0.072	3	1.24	0.013	0.04	0.1	0.10	1.6	<0.1	<0.05	11	1.2	<0.2
1720516	Soil	2	0.02	7	0.029	3	0.12	0.011	0.02	<0.1	0.04	0.4	<0.1	<0.05	2	0.7	<0.2
1722346	Soil	64	1.07	25	0.051	4	5.45	0.102	0.03	<0.1	0.10	4.2	<0.1	<0.05	9	2.7	<0.2
1722348	Soil	53	0.88	13	0.066	4	2.69	0.046	0.03	<0.1	0.14	2.6	<0.1	<0.05	16	1.9	<0.2
1722350	Soil	30	0.66	17	0.012	3	2.87	0.034	0.04	<0.1	0.21	2.7	<0.1	<0.05	14	2.3	<0.2
1722183	Soil	3	0.03	6	0.052	<1	0.53	0.006	0.02	<0.1	0.03	0.4	<0.1	<0.05	12	<0.5	<0.2
1722185	Soil	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.
1722186	Soil	2	0.02	9	0.032	<1	0.85	0.006	0.02	<0.1	0.06	0.7	<0.1	<0.05	9	0.7	<0.2
1722187	Soil	8	0.07	10	0.174	1	1.80	0.007	0.02	<0.1	0.05	0.7	<0.1	<0.05	33	1.2	<0.2
1722189	Soil	4	0.04	7	0.090	<1	1.37	0.006	0.01	<0.1	0.03	0.7	<0.1	<0.05	20	0.5	<0.2
1722191	Soil	5	0.05	10	0.123	<1	0.79	0.013	0.03	0.1	0.05	0.5	<0.1	<0.05	21	<0.5	<0.2
1722195	Soil	5	0.03	16	0.042	<1	1.71	0.006	0.02	0.2	0.06	0.7	0.1	<0.05	16	<0.5	<0.2
1722198	Soil	8	0.10	29	0.116	3	1.68	0.015	0.05	0.8	0.16	1.0	<0.1	<0.05	28	2.4	<0.2
1722200	Soil	8	0.06	12	0.124	1	1.18	0.011	0.03	0.1	0.06	0.9	<0.1	<0.05	21	0.6	<0.2

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



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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	ppb	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	2	0.01	0.001		
1722302	Soil	0.8	129.4	54.6	121	0.9	2.4	3.9	311	1.06	2.2	2.8	1.6	26	0.1	0.3	0.9	17	0.18	0.040	8
1722304	Soil	0.4	3.7	4.8	3	<0.1	0.5	0.4	39	0.47	1.0	1.2	0.6	4	<0.1	0.5	0.5	27	0.04	0.010	4
1722306	Soil	1.2	8.9	15.0	9	0.4	2.1	0.9	32	2.03	2.9	<0.5	0.3	7	<0.1	0.2	0.3	26	0.06	0.067	4
1722308	Soil	0.7	3.7	8.6	7	<0.1	1.0	0.7	32	0.92	1.7	0.7	0.5	7	<0.1	0.4	0.5	22	0.07	0.022	3
1722310	Soil	0.4	4.8	6.4	9	<0.1	0.7	0.8	37	0.54	2.2	1.0	0.3	13	<0.1	0.6	0.6	22	0.08	0.020	2
1722312	Soil	0.6	1.5	5.6	8	<0.1	0.7	0.6	53	1.29	2.0	1.2	1.3	31	<0.1	1.1	0.3	40	0.11	0.009	4
1722314	Soil	1.0	5.7	7.8	12	<0.1	1.4	1.0	76	2.22	3.2	0.7	1.6	12	<0.1	1.3	0.5	67	0.08	0.010	4
1722316	Soil	0.7	4.2	7.3	12	<0.1	1.5	1.1	67	0.85	1.0	1.3	0.9	7	<0.1	0.4	0.4	44	0.07	0.010	4
1722318	Soil	0.3	2.2	5.6	5	<0.1	0.7	0.3	35	0.30	1.0	1.2	0.4	6	<0.1	0.6	0.3	23	0.06	0.013	4
1722320	Soil	0.2	0.9	6.7	4	<0.1	0.5	0.2	12	0.15	0.8	2.2	0.2	7	<0.1	0.4	0.2	13	0.10	0.024	3
1722322	Soil	0.2	1.5	4.8	4	<0.1	0.3	0.2	23	0.18	<0.5	<0.5	0.4	10	<0.1	0.6	0.3	21	0.05	0.009	3
1722324	Soil	0.5	32.5	7.2	23	<0.1	14.7	11.4	140	3.95	6.0	1.3	0.3	15	<0.1	0.4	0.2	243	0.33	0.029	2
1722326	Soil	0.5	60.7	4.5	16	<0.1	15.7	9.2	110	3.53	12.4	1.5	1.3	10	<0.1	0.7	0.1	179	0.20	0.036	3
1722328	Soil	0.5	60.4	8.5	24	0.1	41.2	20.9	314	6.48	43.9	1.6	0.5	18	<0.1	0.8	<0.1	193	0.32	0.010	1
1722330	Soil	0.6	27.8	10.5	10	0.3	12.6	5.9	63	6.94	29.7	1.4	0.2	11	<0.1	0.5	<0.1	142	0.17	0.048	2
1722332	Soil	<0.1	108.0	5.4	33	0.2	63.6	30.2	309	2.98	18.5	2.6	0.2	23	<0.1	0.6	<0.1	125	0.37	0.023	2
1722334	Soil	0.5	33.5	3.8	22	<0.1	34.7	13.7	158	2.34	29.5	<0.5	0.1	19	<0.1	0.3	<0.1	82	0.28	0.029	1
1722336	Soil	1.0	23.5	5.1	13	<0.1	10.5	6.1	93	4.63	10.3	1.8	2.2	11	<0.1	0.8	0.2	225	0.23	0.029	2
1722338	Soil	0.3	12.0	7.9	14	<0.1	10.1	5.9	109	2.88	3.8	1.7	0.8	13	<0.1	0.7	0.2	153	0.24	0.016	3
1722340	Soil	0.6	13.1	3.5	9	<0.1	10.3	5.2	106	5.84	3.4	1.3	0.4	7	<0.1	0.6	0.2	322	0.19	0.014	2
1722342	Soil	0.5	7.0	7.8	16	<0.1	8.0	4.8	151	5.49	2.4	1.0	0.5	8	<0.1	0.7	0.2	330	0.22	0.013	3
1722344	Soil	0.5	9.4	9.1	17	<0.1	11.9	7.3	107	2.60	3.4	0.6	0.2	15	<0.1	0.4	0.2	139	0.23	0.028	2



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1722302	Soil	6	0.24	33	0.035	2	2.66	0.015	0.04	0.2	0.09	1.9	<0.1	<0.05	7	0.9	<0.2
1722304	Soil	4	0.02	10	0.058	<1	0.36	0.007	0.02	<0.1	0.03	0.4	<0.1	<0.05	7	<0.5	<0.2
1722306	Soil	7	0.07	11	0.039	2	2.51	0.013	0.02	0.1	0.27	0.8	<0.1	<0.05	12	5.9	<0.2
1722308	Soil	3	0.06	10	0.052	2	0.49	0.011	0.03	<0.1	0.08	0.5	<0.1	<0.05	8	0.9	<0.2
1722310	Soil	4	0.06	12	0.041	1	0.77	0.009	0.04	<0.1	0.09	0.8	<0.1	<0.05	9	<0.5	<0.2
1722312	Soil	6	0.06	23	0.070	2	0.84	0.012	0.02	<0.1	0.03	1.3	<0.1	<0.05	11	<0.5	<0.2
1722314	Soil	7	0.08	12	0.107	1	1.27	0.008	0.02	0.1	0.03	1.0	<0.1	<0.05	26	<0.5	<0.2
1722316	Soil	8	0.07	9	0.070	1	0.74	0.008	0.02	<0.1	0.04	0.7	<0.1	<0.05	13	<0.5	<0.2
1722318	Soil	3	0.03	8	0.055	1	0.43	0.008	0.02	<0.1	0.06	0.4	<0.1	<0.05	6	0.6	<0.2
1722320	Soil	3	0.02	10	0.039	1	0.45	0.013	0.03	<0.1	0.07	0.5	<0.1	<0.05	4	<0.5	<0.2
1722322	Soil	2	0.02	7	0.058	<1	0.37	0.006	0.02	<0.1	0.04	0.4	<0.1	<0.05	6	<0.5	<0.2
1722324	Soil	44	0.77	10	0.065	3	3.42	0.040	0.04	<0.1	0.16	4.6	<0.1	0.06	19	2.1	<0.2
1722326	Soil	110	0.71	8	0.089	3	8.44	0.024	0.02	0.1	0.17	15.2	<0.1	0.08	17	7.5	<0.2
1722328	Soil	131	1.40	13	0.116	3	3.38	0.027	0.02	<0.1	0.09	8.5	<0.1	<0.05	12	2.7	<0.2
1722330	Soil	47	0.34	9	0.040	2	1.90	0.017	0.02	<0.1	0.10	4.5	<0.1	0.15	6	3.4	<0.2
1722332	Soil	109	2.23	22	0.078	3	5.41	0.033	0.02	<0.1	0.05	8.6	<0.1	<0.05	8	1.7	<0.2
1722334	Soil	66	1.20	17	0.045	2	3.33	0.028	0.02	<0.1	0.04	4.3	<0.1	0.24	5	1.8	<0.2
1722336	Soil	119	0.48	8	0.129	3	8.04	0.028	0.02	0.1	0.26	21.8	<0.1	0.10	16	3.7	<0.2
1722338	Soil	64	0.49	12	0.089	2	2.89	0.022	0.03	<0.1	0.16	6.6	<0.1	<0.05	20	1.5	<0.2
1722340	Soil	93	0.26	4	0.135	1	1.18	0.025	0.02	<0.1	0.07	2.7	<0.1	<0.05	16	<0.5	<0.2
1722342	Soil	112	0.25	5	0.160	2	0.85	0.018	0.03	<0.1	0.09	2.6	<0.1	<0.05	16	0.5	<0.2
1722344	Soil	37	0.52	10	0.041	3	1.61	0.033	0.04	<0.1	0.13	2.4	<0.1	<0.05	14	1.3	<0.2



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QUALITY CONTROL REPORT

VAN12002368.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
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																					
1722304	Soil	0.4	3.7	4.8	3	<0.1	0.5	0.4	39	0.47	1.0	1.2	0.6	4	<0.1	0.5	0.5	27	0.04	0.010	4
REP 1722304	QC	0.4	3.3	4.9	3	<0.1	0.7	0.4	38	0.46	1.0	2.2	0.7	4	<0.1	0.5	0.5	27	0.04	0.010	3
1722316	Soil	0.7	4.2	7.3	12	<0.1	1.5	1.1	67	0.85	1.0	1.3	0.9	7	<0.1	0.4	0.4	44	0.07	0.010	4
REP 1722316	QC	0.7	4.6	7.6	12	0.1	1.5	1.3	65	0.84	1.4	1.6	0.8	8	<0.1	0.5	0.4	44	0.07	0.010	4
Reference Materials																					
STD DS8	Standard	13.6	114.1	130.0	317	1.8	39.5	7.8	621	2.48	25.6	124.9	7.0	68	2.3	6.1	6.9	44	0.70	0.081	16
STD DS8	Standard	13.7	115.3	131.8	323	1.9	40.7	7.7	640	2.58	26.7	128.8	7.4	67	2.4	5.6	6.5	46	0.76	0.082	18
STD DS9	Standard	14.0	109.6	129.9	313	1.8	40.5	7.5	578	2.31	25.7	121.4	6.7	75	2.3	6.2	6.8	41	0.73	0.080	15
STD DS9	Standard	14.1	114.4	132.4	330	1.9	42.2	7.9	618	2.41	26.6	115.0	7.2	77	2.7	5.7	6.3	44	0.76	0.083	17
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
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
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
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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QUALITY CONTROL REPORT

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Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
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	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1722304	Soil	4	0.02	10	0.058	<1	0.36	0.007	0.02	<0.1	0.03	0.4	<0.1	<0.05	7	<0.5	<0.2
REP 1722304	QC	4	0.02	6	0.057	1	0.36	0.006	0.02	<0.1	0.02	0.5	<0.1	<0.05	7	<0.5	<0.2
1722316	Soil	8	0.07	9	0.070	1	0.74	0.008	0.02	<0.1	0.04	0.7	<0.1	<0.05	13	<0.5	<0.2
REP 1722316	QC	8	0.07	9	0.072	1	0.81	0.009	0.02	<0.1	0.05	0.8	<0.1	<0.05	14	0.5	<0.2
Reference Materials																	
STD DS8	Standard	123	0.61	298	0.119	4	0.91	0.101	0.41	2.9	0.22	2.9	6.0	0.08	5	5.7	5.6
STD DS8	Standard	129	0.64	300	0.127	3	0.97	0.098	0.45	3.3	0.21	2.8	6.1	0.17	5	5.5	5.4
STD DS9	Standard	122	0.62	316	0.117	2	0.96	0.093	0.39	3.0	0.20	2.7	5.7	0.10	5	5.5	5.0
STD DS9	Standard	128	0.65	328	0.127	3	1.00	0.093	0.42	3.3	0.22	2.9	5.7	0.17	5	5.5	5.4
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
STD DS9 Expected		121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Catface Copper Mines Limited

200 - 580 Hornby Street
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Submitted By: Email Distribution List

Receiving Lab: Canada-Vancouver

Received: May 22, 2012

Report Date: June 27, 2012

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CERTIFICATE OF ANALYSIS

VAN12002369.1

CLIENT JOB INFORMATION

Project: Flores
Shipment ID: F-1
P.O. Number
Number of Samples: 55

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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

Invoice To: Catface Copper Mines Limited
200 - 580 Hornby Street
Vancouver BC V6C 3B6
Canada

CC: Dustin Perry

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	55	Dry at 60C			VAN
SS80	55	Dry at 60C sieve 100g to -80 mesh			VAN
RJSV	55	Saving all or part of Soil Reject			VAN
1F05	53	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
1F04	2	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



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



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Project: Flores
 Report Date: June 27, 2012

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CERTIFICATE OF ANALYSIS

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Method	SS80	SS80	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte	-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	ppm	
1720509	Soil	22.00	42.00	0.24	5.32	25.38	22.4	161	1.7	0.2	133	0.07	0.8	<0.1	5.4	<0.1	28.4	0.37	0.56	0.27	3
1720511	Soil	23.00	37.00	1.07	32.92	55.83	33.3	1046	2.4	32.7	2722	1.03	<0.1	1.3	3.6	0.2	13.5	1.36	0.55	0.33	12
1720513	Soil	33.00	64.00	0.65	10.96	16.25	13.8	240	1.8	0.8	30	0.73	2.1	0.4	1.9	0.2	12.6	0.55	0.35	0.26	17
1720515	Soil	18.00	48.00	0.27	4.12	27.41	15.4	145	2.1	0.2	58	0.08	1.3	<0.1	0.9	<0.1	37.4	0.43	0.67	0.20	4
1722184	Soil	16.00	77.00	0.38	7.30	14.68	4.2	282	2.1	0.5	10	3.09	<0.1	0.3	<0.2	0.1	5.9	0.27	0.23	0.33	4
1722185	Soil	23.00	68.00	0.44	3.46	16.24	9.7	414	1.5	0.4	9	0.14	0.4	0.3	254.0	<0.1	8.9	0.34	0.24	0.20	4
1722188	Soil	29.00	75.00	0.32	2.66	7.70	4.8	186	0.8	0.3	9	0.14	0.5	0.3	<0.2	0.2	4.2	0.16	0.35	0.37	8
1722190	Soil	23.00	55.00	0.33	3.76	20.79	12.0	142	1.8	0.4	15	0.37	1.1	0.1	<0.2	<0.1	18.0	0.39	0.45	0.22	13
1722192	Soil	19.00	61.00	0.27	5.17	35.85	14.4	227	2.4	0.3	23	0.17	0.9	<0.1	<0.2	0.1	32.8	0.51	0.51	0.21	6
1722194	Soil	22.00	41.00	0.46	7.35	32.72	25.7	384	2.5	0.7	84	1.50	1.9	0.3	<0.2	<0.1	17.3	0.39	0.77	0.20	15
1722196	Soil	44.00	174.0	0.59	2.88	6.88	5.9	235	0.7	0.3	13	0.38	1.7	0.2	0.2	<0.1	8.2	0.13	0.55	0.23	17
1722197	Soil	33.00	54.00	0.87	9.85	29.47	17.0	613	3.4	1.7	53	2.51	3.2	0.6	0.3	0.3	18.2	0.22	0.59	0.72	27
1722199	Soil	28.00	62.00	0.73	9.44	15.25	15.8	508	3.0	1.1	40	1.90	2.3	0.6	0.2	0.2	9.2	0.21	0.62	0.52	23
1722301	Soil	15.00	30.00	0.88	13.44	28.95	17.6	448	2.0	0.5	15	0.64	1.5	0.4	0.7	<0.1	21.7	0.81	0.42	0.39	8
1722303	Soil	14.00	30.00	0.24	6.09	35.61	18.2	77	3.2	0.2	9	0.08	2.2	<0.1	<0.2	<0.1	45.9	0.50	0.66	0.19	3
1722305	Soil	16.00	10.00	0.48	7.49	21.23	8.3	306	2.0	0.4	11	0.63	0.8	0.4	0.5	<0.1	9.5	0.29	0.45	0.17	4
1722307	Soil	20.00	18.00	0.29	6.52	16.57	13.5	273	2.7	0.6	16	0.32	1.1	0.2	<0.2	<0.1	13.3	0.35	0.44	0.14	4
1722309	Soil	16.00	13.00	0.34	5.92	14.89	13.1	263	2.3	0.8	19	0.75	1.2	0.2	0.2	<0.1	15.2	0.27	0.39	0.16	7
1722311	Soil	16.00	26.00	0.29	5.88	19.33	16.4	174	2.0	0.6	32	0.38	0.6	0.2	<0.2	<0.1	27.0	0.20	0.47	0.13	4
1722313	Soil	18.00	34.00	0.17	4.65	13.38	33.8	59	1.8	0.2	9	0.06	1.9	<0.1	<0.2	<0.1	49.0	0.40	0.38	0.10	<2
1722315	Soil	14.00	21.00	0.38	6.88	17.36	14.2	305	2.4	0.6	22	0.39	1.2	0.2	<0.2	<0.1	14.7	0.50	0.45	0.18	9
1722317	Soil	15.00	29.00	0.29	7.16	26.25	15.9	299	2.7	0.9	31	0.31	0.8	0.2	<0.2	<0.1	23.8	0.65	0.47	0.21	8
1722319	Soil	17.00	27.00	0.27	4.05	18.59	11.6	152	1.8	0.6	17	0.40	0.8	0.2	6.6	<0.1	13.6	0.35	0.30	0.13	6
1722321	Soil	18.00	21.00	0.20	6.46	37.47	21.3	139	2.2	0.2	20	0.05	1.0	<0.1	0.3	<0.1	46.3	0.29	0.46	0.14	3
1722323	Soil	19.00	27.00	0.21	8.06	21.18	19.3	124	3.9	0.8	9	0.10	1.9	<0.1	<0.2	<0.1	59.9	0.40	0.52	0.14	3
1722325	Soil	21.00	18.00	0.15	5.82	30.21	31.1	53	3.5	0.5	26	0.13	1.2	<0.1	<0.2	<0.1	37.5	0.23	0.37	0.16	6
1722327	Soil	31.00	23.00	0.27	50.95	26.03	28.1	130	35.3	23.6	279	2.92	15.0	0.2	0.4	0.2	24.3	0.09	0.53	0.13	90
1722329	Soil	6.000	16.00	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722331	Soil	24.00	18.00	0.52	27.78	6.50	13.3	211	18.9	6.7	76	1.59	9.9	0.4	0.6	0.1	8.1	0.21	0.36	0.09	61
1722333	Soil	7.000	10.00	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	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: Flores
 Report Date: June 27, 2012

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CERTIFICATE OF ANALYSIS

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Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	
Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	
MDL	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	
1720509	Soil	0.34	0.052	0.6	2.4	0.15	19.8	0.003	6	0.10	0.033	0.09	<0.1	0.3	0.04	0.10	288	1.5	<0.02	0.4	0.09
1720511	Soil	0.15	0.072	4.5	3.7	0.07	30.1	0.014	5	2.41	0.017	0.06	0.1	0.7	0.31	0.19	304	6.3	<0.02	6.5	1.05
1720513	Soil	0.10	0.047	3.0	3.4	0.06	21.4	0.023	3	0.54	0.018	0.07	<0.1	0.5	0.04	0.09	115	1.2	<0.02	3.7	0.68
1720515	Soil	1.09	0.056	1.2	3.0	0.14	25.9	0.006	8	0.09	0.033	0.06	<0.1	0.4	0.02	0.13	280	2.1	<0.02	0.5	0.11
1722184	Soil	0.07	0.085	5.7	3.8	0.03	9.4	0.007	<1	1.18	0.008	0.03	<0.1	0.8	<0.02	0.27	93	4.6	<0.02	1.5	0.19
1722185	Soil	0.07	0.067	2.5	2.7	0.04	23.6	0.005	2	0.59	0.018	0.07	<0.1	0.3	0.06	0.15	144	2.3	<0.02	1.5	0.27
1722188	Soil	0.03	0.020	2.9	2.0	0.02	9.3	0.019	2	0.45	0.008	0.04	<0.1	0.3	0.04	0.05	84	0.7	<0.02	4.5	0.51
1722190	Soil	0.24	0.037	3.3	2.8	0.06	22.9	0.016	3	0.41	0.017	0.07	<0.1	0.4	0.03	0.09	157	1.1	0.03	2.9	0.21
1722192	Soil	0.57	0.053	1.1	3.0	0.12	30.0	0.009	5	0.24	0.049	0.06	<0.1	0.5	0.03	0.12	323	1.9	<0.02	1.1	0.16
1722194	Soil	0.13	0.064	4.6	3.5	0.07	39.5	0.018	3	1.16	0.016	0.07	0.4	0.6	0.08	0.10	310	1.3	0.03	5.5	0.71
1722196	Soil	0.06	0.031	2.5	3.5	0.02	12.6	0.028	1	0.36	0.011	0.05	0.3	0.4	0.05	0.04	127	0.3	<0.02	2.8	0.64
1722197	Soil	0.11	0.071	4.4	4.9	0.07	29.4	0.047	4	1.62	0.011	0.06	1.7	0.8	0.06	0.12	284	2.3	<0.02	13.6	1.32
1722199	Soil	0.07	0.068	3.8	5.0	0.07	20.7	0.037	4	1.52	0.010	0.06	0.2	0.8	0.06	0.12	247	2.0	0.04	10.0	1.22
1722301	Soil	0.12	0.069	4.5	3.1	0.06	34.9	0.008	2	0.76	0.022	0.07	<0.1	0.3	0.05	0.14	216	2.0	0.04	4.0	0.79
1722303	Soil	0.75	0.051	0.7	3.7	0.15	23.2	0.003	5	0.11	0.025	0.07	<0.1	0.3	0.03	0.15	209	2.5	<0.02	0.4	0.09
1722305	Soil	0.09	0.100	3.1	2.9	0.03	18.5	0.006	3	1.35	0.015	0.05	<0.1	0.3	0.03	0.23	359	2.6	<0.02	2.4	0.20
1722307	Soil	0.12	0.083	2.6	2.4	0.05	26.1	0.007	4	1.08	0.015	0.08	<0.1	0.5	0.04	0.15	254	1.6	<0.02	2.0	0.19
1722309	Soil	0.12	0.084	2.7	2.8	0.05	32.1	0.007	4	1.01	0.016	0.09	<0.1	0.3	0.06	0.14	211	1.3	<0.02	3.0	0.48
1722311	Soil	0.27	0.079	2.3	2.6	0.06	33.7	0.006	3	0.85	0.018	0.08	<0.1	0.3	0.04	0.11	218	1.0	<0.02	2.1	0.37
1722313	Soil	0.07	0.046	1.2	2.4	0.28	41.2	0.002	2	0.12	0.024	0.06	<0.1	0.2	0.02	0.12	174	1.5	0.02	0.3	0.06
1722315	Soil	0.14	0.071	2.9	3.2	0.06	29.1	0.011	3	0.84	0.017	0.09	0.1	0.4	0.04	0.13	222	1.3	<0.02	3.0	0.49
1722317	Soil	0.21	0.065	6.4	2.9	0.07	52.1	0.009	3	0.77	0.017	0.09	<0.1	0.4	0.03	0.12	300	1.2	<0.02	2.3	0.40
1722319	Soil	0.16	0.056	2.9	2.6	0.05	26.6	0.010	3	0.48	0.018	0.08	<0.1	0.4	0.05	0.09	180	1.0	<0.02	1.6	0.24
1722321	Soil	0.90	0.063	4.0	2.8	0.15	42.0	0.003	5	0.09	0.031	0.07	<0.1	0.3	0.03	0.14	340	2.0	<0.02	0.3	0.10
1722323	Soil	0.80	0.050	3.0	3.1	0.18	45.8	0.003	5	0.20	0.040	0.06	<0.1	0.6	<0.02	0.14	371	1.9	<0.02	0.4	0.14
1722325	Soil	0.09	0.033	0.6	2.9	0.28	14.8	0.003	2	0.16	0.036	0.05	<0.1	0.3	0.03	0.11	212	2.0	<0.02	0.4	0.11
1722327	Soil	0.30	0.032	2.0	64.9	1.16	15.3	0.055	3	2.44	0.030	0.03	<0.1	3.1	0.04	0.08	216	1.6	<0.02	5.4	0.94
1722329	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722331	Soil	0.11	0.071	2.7	46.5	0.51	7.5	0.034	2	2.07	0.008	0.03	<0.1	3.5	0.04	0.19	134	5.6	<0.02	6.1	0.70
1722333	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	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: Flores
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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F	1F	1F	1F	1F			
				Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	Cu	Pb	Zn	Ag
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppb			
				0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.01	0.1	ppb
1720509	Soil			<0.1	0.02	0.10	1.3	0.4	<0.05	0.2	0.15	1.0	0.04	<1	<0.1	0.1	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1720511	Soil			<0.1	<0.02	1.15	2.0	1.0	<0.05	0.1	4.23	9.4	0.05	<1	0.6	3.9	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1720513	Soil			<0.1	<0.02	1.12	2.1	1.1	<0.05	0.1	1.28	5.2	<0.02	1	<0.1	0.7	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1720515	Soil			<0.1	<0.02	0.22	0.9	0.4	<0.05	0.3	0.32	2.1	<0.02	<1	<0.1	<0.1	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722184	Soil			<0.1	<0.02	0.24	1.0	0.2	<0.05	0.1	2.89	7.9	<0.02	<1	0.1	0.3	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722185	Soil			<0.1	<0.02	0.29	1.7	0.5	<0.05	0.2	0.80	3.9	<0.02	<1	<0.1	0.2	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722188	Soil			<0.1	<0.02	0.80	1.1	1.2	<0.05	0.1	0.69	5.4	<0.02	<1	<0.1	0.3	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722190	Soil			<0.1	<0.02	0.62	1.0	0.8	<0.05	0.2	1.13	5.7	<0.02	<1	<0.1	0.2	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722192	Soil			<0.1	<0.02	0.36	1.5	0.6	<0.05	0.3	0.35	1.7	<0.02	<1	<0.1	<0.1	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722194	Soil			<0.1	<0.02	1.45	2.3	10.8	<0.05	0.3	2.81	8.1	0.02	<1	<0.1	0.6	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722196	Soil			<0.1	<0.02	1.05	2.0	7.4	<0.05	<0.1	0.80	4.7	<0.02	<1	<0.1	0.3	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722197	Soil			<0.1	<0.02	2.43	3.0	4.3	<0.05	0.4	3.00	8.1	0.03	<1	0.2	1.4	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722199	Soil			<0.1	<0.02	1.84	2.7	2.0	<0.05	0.3	2.54	7.2	0.02	<1	0.2	1.3	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722301	Soil			<0.1	<0.02	0.81	2.0	1.0	<0.05	<0.1	1.98	7.0	<0.02	<1	0.1	0.9	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722303	Soil			<0.1	<0.02	0.06	1.0	0.4	<0.05	0.2	0.25	1.2	<0.02	<1	<0.1	<0.1	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722305	Soil			0.1	<0.02	0.27	1.2	0.5	<0.05	0.1	1.86	5.6	<0.02	<1	<0.1	0.3	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722307	Soil			<0.1	<0.02	0.24	1.2	0.5	<0.05	0.2	1.54	4.5	<0.02	<1	<0.1	0.2	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722309	Soil			<0.1	<0.02	0.43	1.7	0.7	<0.05	0.1	1.80	5.0	<0.02	<1	<0.1	0.3	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722311	Soil			<0.1	<0.02	0.27	1.3	0.5	<0.05	0.1	1.34	4.2	<0.02	<1	<0.1	0.3	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722313	Soil			<0.1	<0.02	0.04	1.6	0.2	<0.05	0.2	0.27	1.8	<0.02	<1	<0.1	<0.1	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722315	Soil			<0.1	<0.02	0.49	1.9	0.9	<0.05	0.1	1.48	5.1	<0.02	<1	<0.1	0.3	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722317	Soil			<0.1	<0.02	0.43	1.7	0.8	<0.05	0.1	3.18	11.3	<0.02	<1	<0.1	0.2	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722319	Soil			<0.1	<0.02	0.47	1.5	0.5	<0.05	<0.1	1.49	5.4	<0.02	<1	<0.1	0.2	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722321	Soil			<0.1	<0.02	0.07	1.3	0.4	<0.05	0.3	1.21	6.0	<0.02	<1	<0.1	<0.1	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722323	Soil			<0.1	<0.02	0.06	0.8	0.2	<0.05	0.3	2.03	4.6	<0.02	<1	<0.1	<0.1	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722325	Soil			<0.1	<0.02	0.04	0.9	0.3	<0.05	0.2	0.17	1.0	<0.02	<1	<0.1	<0.1	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722327	Soil			<0.1	<0.02	0.19	1.3	0.4	<0.05	0.6	1.53	3.4	<0.02	<1	0.1	8.6	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722329	Soil			N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0.53	17.15	26.23	9.6	257	
1722331	Soil			<0.1	0.02	0.38	1.0	0.2	<0.05	0.9	1.19	4.7	<0.02	<1	<0.1	5.7	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722333	Soil			N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0.53	5.19	19.59	11.5	64	

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



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 200 - 580 Hornby Street
 Vancouver BC V6C 3B6 Canada

Project: Flores
 Report Date: June 27, 2012

Page: 2 of 3

Part: 4 of 6

CERTIFICATE OF ANALYSIS

VAN12002369.1

Method	Analyte	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
		Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti
Unit		ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	
MDL		0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001
1720509	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1720511	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1720513	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1720515	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722184	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722185	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722188	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722190	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722192	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722194	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722196	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722197	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722199	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722301	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722303	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722305	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722307	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722309	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722311	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722313	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722315	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722317	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722319	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722321	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722323	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722325	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722327	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722329	Soil	4.4	2.6	15	3.15	2.2	0.1	2.3	<0.1	9.3	0.29	0.44	0.23	11	0.16	0.093	1.8	12.0	0.07	7.1	0.012
1722331	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722333	Soil	3.7	2.0	6	0.18	2.1	<0.1	1.5	<0.1	20.1	0.48	0.36	0.16	5	0.08	0.060	1.1	3.9	0.12	13.8	0.004

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



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 200 - 580 Hornby Street
 Vancouver BC V6C 3B6 Canada

Project: Flores
 Report Date: June 27, 2012

Page: 2 of 3

Part: 5 of 6

CERTIFICATE OF ANALYSIS

VAN12002369.1

Method	Analyte	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr
Unit		ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1
1720509	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1720511	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1720513	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1720515	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722184	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722185	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722188	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722190	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722192	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722194	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722196	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722197	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722199	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722301	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722303	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722305	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722307	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722309	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722311	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722313	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722315	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722317	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722319	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722321	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722323	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722325	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722327	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722329	Soil	<20	0.45	0.018	0.05	<0.1	1.3	0.06	0.26	242	2.9	0.02	1.0	0.22	<0.1	<0.02	0.12	0.5	0.4	<0.05	0.2
1722331	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722333	Soil	<20	0.32	0.029	0.06	<0.1	0.6	0.04	0.17	184	1.6	<0.02	0.4	0.24	<0.1	<0.02	0.05	1.3	0.3	<0.05	0.2

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



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Project: Flores
Report Date: June 27, 2012

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1F	1F	1F	1F	1F	1F	1F
		Y	Ce	In	Re	Be	Li	Pd
Unit		ppm	ppm	ppm	ppb	ppm	ppm	ppb
MDL		0.01	0.1	0.02	1	0.1	0.1	10
1720509	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1720511	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1720513	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1720515	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722184	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722185	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722188	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722190	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722192	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722194	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722196	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722197	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722199	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722301	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722303	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722305	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722307	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722309	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722311	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722313	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722315	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722317	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722319	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722321	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722323	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722325	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722327	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722329	Soil	0.57	2.2	<0.02	<1	<0.1	0.5	<10
1722331	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722333	Soil	0.60	1.7	<0.02	<1	<0.1	0.2	<10



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Project: Flores
 Report Date: June 27, 2012

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CERTIFICATE OF ANALYSIS

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Method	SS80	SS80	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	0.02	
1722335	Soil	15.00	14.00	0.15	5.65	35.77	14.1	129	2.5	0.3	5	0.07	1.1	<0.1	<0.2	<0.1	36.6	0.50	0.42	0.15	3
1722337	Soil	11.00	24.00	0.42	9.58	8.70	8.8	266	3.2	1.1	16	0.76	1.9	0.2	<0.2	<0.1	8.8	0.11	0.35	0.10	27
1722339	Soil	17.00	16.00	0.15	6.43	22.21	28.5	93	2.9	0.3	5	0.07	2.8	<0.1	<0.2	<0.1	47.7	0.26	0.58	0.19	3
1722341	Soil	9.000	11.00	0.23	5.79	27.19	21.5	129	2.9	0.4	14	0.16	2.2	<0.1	<0.2	<0.1	43.9	0.54	0.75	0.16	6
1722343	Soil	22.00	17.00	0.38	8.58	13.54	14.3	115	7.6	3.3	42	1.19	1.5	0.1	<0.2	<0.1	13.4	0.15	0.46	0.35	35
1722345	Soil	8.000	5.00	0.22	5.85	45.33	16.7	46	3.8	0.3	17	0.10	1.6	<0.1	0.3	<0.1	37.6	0.26	0.52	0.23	4
1722347	Soil	19.00	10.00	0.59	15.90	11.04	13.8	222	7.0	12.6	200	1.65	1.5	0.2	0.6	<0.1	14.7	0.25	0.47	0.15	36
1722349	Soil	19.00	24.00	0.60	8.20	27.08	16.4	331	10.3	7.3	266	1.88	3.3	0.2	0.7	<0.1	19.5	0.17	0.47	0.25	62
1722351	Soil	23.00	86.00	0.39	7.06	52.39	23.9	77	10.7	2.3	40	0.81	1.9	0.1	1.5	0.4	48.2	0.47	0.46	0.37	29
1722353	Soil	25.00	57.00	0.25	6.05	33.42	26.6	130	6.3	1.4	30	0.32	1.4	<0.1	0.5	0.2	38.0	0.41	0.51	0.21	9
1722355	Soil	21.00	57.00	0.16	5.84	22.80	20.4	184	3.6	1.1	100	0.28	1.1	<0.1	0.3	<0.1	31.5	0.49	0.53	0.14	12
1722357	Soil	34.00	71.00	0.43	41.15	48.99	61.6	198	36.8	33.8	2699	1.82	4.0	0.2	0.9	0.2	53.2	1.03	0.68	0.30	44
1722359	Soil	17.00	69.00	0.14	18.75	33.75	26.4	93	8.4	12.2	678	0.29	0.9	<0.1	0.3	<0.1	35.0	0.89	0.46	0.15	7
1722361	Soil	21.00	54.00	0.25	5.39	29.58	17.8	94	4.3	0.9	48	0.28	1.3	<0.1	0.3	0.1	36.7	0.22	0.48	0.17	14
1722363	Soil	16.00	67.00	0.17	7.07	29.52	14.4	103	4.5	0.8	42	0.10	0.9	<0.1	<0.2	<0.1	31.9	0.26	0.60	0.17	3
1722364	Soil	16.00	58.00	0.13	5.39	28.29	15.0	105	3.2	0.6	59	0.11	0.5	<0.1	<0.2	<0.1	22.9	0.17	0.41	0.13	4
1722366	Soil	27.00	58.00	0.14	6.24	25.34	14.0	97	3.5	0.8	33	0.13	1.1	<0.1	<0.2	<0.1	33.4	0.26	0.55	0.23	6
1722368	Soil	16.00	67.00	0.58	77.84	25.67	28.0	239	13.7	45.4	2298	1.19	6.8	1.0	0.7	0.1	27.0	1.64	0.97	0.19	29
1722370	Soil	22.00	50.00	0.19	5.37	40.54	20.4	67	2.9	0.6	67	0.09	0.9	<0.1	0.2	<0.1	33.1	0.45	0.66	0.21	4
1722372	Soil	19.00	39.00	0.42	46.18	62.03	47.2	197	14.5	47.7	3821	0.67	1.3	0.2	0.4	<0.1	95.1	5.69	1.06	0.26	17
1722374	Soil	22.00	56.00	0.30	8.96	48.83	22.1	181	7.4	2.5	53	0.70	1.9	<0.1	<0.2	0.2	35.3	0.86	0.73	0.27	31
1722376	Soil	19.00	34.00	0.35	6.88	29.04	7.8	131	4.4	2.1	15	0.35	0.9	0.2	0.3	0.1	12.8	0.31	0.44	0.17	7
1722378	Soil	34.00	101.0	0.87	8.52	15.77	16.4	182	9.9	5.6	93	2.01	4.7	0.3	1.7	0.4	14.1	0.11	1.84	0.49	100
1720477	Soil	12.00	13.00	0.62	4.67	11.58	7.4	308	2.3	0.5	13	0.64	<0.1	0.6	0.5	<0.1	3.3	0.30	0.29	0.20	12
1722193	Soil	19.00	71.00	0.70	5.44	21.95	13.5	320	2.7	1.1	32	1.53	1.0	0.5	<0.2	<0.1	10.2	0.12	0.45	0.35	16



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CERTIFICATE OF ANALYSIS

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Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	
Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	
MDL	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	
1722335	Soil	0.36	0.042	1.0	2.8	0.16	20.1	0.002	3	0.09	0.035	0.06	<0.1	0.3	<0.02	0.11	201	1.9	<0.02	0.3	0.33
1722337	Soil	0.13	0.097	1.5	11.4	0.06	7.2	0.013	3	1.20	0.018	0.05	<0.1	1.1	0.03	0.22	336	2.6	<0.02	2.6	1.02
1722339	Soil	0.63	0.046	<0.5	3.1	0.21	14.2	0.002	5	0.08	0.038	0.06	<0.1	0.3	0.02	0.15	249	2.0	<0.02	0.2	0.13
1722341	Soil	0.66	0.051	0.8	4.9	0.18	14.2	0.004	6	0.12	0.045	0.07	<0.1	0.6	0.03	0.12	314	2.6	<0.02	0.3	0.15
1722343	Soil	0.14	0.060	1.9	11.3	0.21	8.9	0.016	2	1.52	0.014	0.06	<0.1	1.3	<0.02	0.11	235	1.8	0.03	5.4	1.47
1722345	Soil	0.53	0.046	1.3	3.8	0.15	15.4	0.004	4	0.13	0.031	0.06	<0.1	0.4	0.02	0.15	323	2.0	<0.02	0.4	0.33
1722347	Soil	0.17	0.085	1.8	14.5	0.22	8.1	0.016	5	2.56	0.017	0.06	<0.1	1.4	0.06	0.18	360	5.9	<0.02	6.3	1.13
1722349	Soil	0.19	0.095	2.3	24.1	0.39	13.6	0.009	3	2.37	0.021	0.05	<0.1	1.5	0.07	0.16	394	3.5	<0.02	9.5	1.89
1722351	Soil	0.24	0.030	2.0	33.3	0.25	19.4	0.030	4	0.66	0.021	0.04	<0.1	1.4	0.07	0.11	165	3.2	0.02	3.5	0.52
1722353	Soil	0.61	0.044	1.2	20.4	0.22	14.8	0.009	5	0.25	0.029	0.06	<0.1	0.9	0.02	0.12	325	2.4	<0.02	1.2	0.31
1722355	Soil	0.34	0.039	1.0	10.9	0.18	13.4	0.007	3	0.19	0.032	0.07	<0.1	0.9	0.03	0.10	300	1.4	<0.02	0.8	0.17
1722357	Soil	0.79	0.045	2.8	57.1	0.81	31.4	0.039	5	2.54	0.021	0.05	<0.1	2.5	0.11	0.10	299	2.0	0.05	6.1	2.60
1722359	Soil	0.66	0.058	1.0	10.7	0.18	8.6	0.008	4	0.89	0.019	0.05	<0.1	1.1	0.04	0.12	288	1.6	<0.02	1.0	0.58
1722361	Soil	0.61	0.049	1.7	12.2	0.13	13.6	0.011	4	0.19	0.024	0.05	<0.1	0.9	0.02	0.14	380	1.7	<0.02	1.0	0.17
1722363	Soil	0.60	0.054	<0.5	3.5	0.12	10.4	0.004	5	0.16	0.026	0.05	<0.1	0.6	0.02	0.13	443	1.4	<0.02	0.4	0.28
1722364	Soil	0.45	0.041	<0.5	3.4	0.11	6.3	0.004	3	0.11	0.021	0.05	<0.1	0.5	0.02	0.12	299	1.0	<0.02	0.4	0.28
1722366	Soil	0.71	0.051	<0.5	5.7	0.12	9.1	0.005	4	0.13	0.026	0.05	<0.1	0.6	<0.02	0.13	351	1.2	<0.02	0.5	0.20
1722368	Soil	0.41	0.064	3.2	80.0	0.34	8.6	0.022	5	3.60	0.015	0.04	0.1	3.4	0.21	0.13	306	5.8	0.06	4.5	1.77
1722370	Soil	0.71	0.051	0.6	4.2	0.15	8.7	0.004	5	0.10	0.030	0.07	<0.1	0.7	0.03	0.13	347	1.9	<0.02	0.3	0.20
1722372	Soil	1.45	0.062	3.2	16.9	0.27	22.0	0.012	8	0.97	0.016	0.06	<0.1	1.5	0.25	0.14	375	3.2	0.03	2.8	2.08
1722374	Soil	0.61	0.043	3.6	23.6	0.16	21.7	0.020	5	0.57	0.017	0.05	<0.1	1.3	0.03	0.12	265	3.0	<0.02	2.4	0.66
1722376	Soil	0.17	0.079	1.5	8.7	0.07	7.8	0.007	4	0.78	0.029	0.06	<0.1	1.6	0.04	0.19	263	3.7	<0.02	1.3	0.56
1722378	Soil	0.19	0.035	3.7	45.9	0.33	7.8	0.084	4	1.33	0.017	0.06	<0.1	2.6	0.07	0.08	174	1.8	<0.02	13.8	3.77
1720477	Soil	0.05	0.110	3.8	6.6	0.04	10.9	0.022	4	0.95	0.024	0.06	<0.1	1.2	0.06	0.19	215	3.9	<0.02	3.6	0.79
1722193	Soil	0.08	0.078	4.1	5.1	0.06	21.2	0.029	4	1.26	0.012	0.07	0.3	0.7	0.07	0.12	336	2.3	<0.02	10.2	1.28



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Project: Flores
 Report Date: June 27, 2012

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CERTIFICATE OF ANALYSIS

VAN12002369.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F	1F	1F	1F	1F		
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Mo	Cu	Pb	Zn	Ag
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb	
MDL		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.01	0.1	2
1722335	Soil	<0.1	<0.02	0.03	1.0	0.4	<0.05	0.3	0.63	1.6	<0.02	<1	<0.1	<0.1	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722337	Soil	<0.1	<0.02	0.11	1.3	0.3	<0.05	<0.1	0.62	2.4	<0.02	<1	<0.1	0.5	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722339	Soil	<0.1	<0.02	0.05	0.8	0.4	<0.05	0.3	0.19	0.7	<0.02	<1	<0.1	<0.1	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722341	Soil	<0.1	<0.02	0.06	0.9	0.4	<0.05	0.3	0.30	1.4	0.02	<1	<0.1	<0.1	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722343	Soil	<0.1	<0.02	0.20	2.0	0.6	<0.05	0.4	0.89	3.4	<0.02	<1	<0.1	3.2	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722345	Soil	<0.1	<0.02	0.05	1.3	0.5	<0.05	0.3	0.66	2.2	<0.02	<1	<0.1	0.2	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722347	Soil	<0.1	<0.02	0.20	1.3	0.3	<0.05	0.6	0.99	2.9	<0.02	1	<0.1	4.6	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722349	Soil	<0.1	<0.02	0.29	1.9	0.5	<0.05	0.3	1.17	3.6	0.02	<1	<0.1	9.2	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722351	Soil	<0.1	0.03	0.21	1.3	0.6	<0.05	0.9	0.66	3.8	0.03	<1	<0.1	0.7	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722353	Soil	<0.1	<0.02	0.09	1.2	0.4	<0.05	0.5	0.56	2.1	<0.02	<1	<0.1	0.4	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722355	Soil	<0.1	<0.02	0.05	0.9	0.3	<0.05	0.4	0.53	1.8	<0.02	<1	<0.1	0.2	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722357	Soil	<0.1	<0.02	0.27	1.9	0.5	<0.05	0.3	1.88	5.8	0.02	<1	0.1	8.1	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722359	Soil	<0.1	<0.02	0.05	0.9	0.3	<0.05	0.3	0.68	1.7	<0.02	<1	<0.1	1.2	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722361	Soil	<0.1	<0.02	0.10	1.0	0.3	<0.05	0.5	0.73	2.9	<0.02	<1	<0.1	0.2	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722363	Soil	<0.1	<0.02	0.04	1.2	0.3	<0.05	0.3	0.18	0.9	<0.02	<1	<0.1	0.1	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722364	Soil	<0.1	<0.02	0.04	0.9	0.3	<0.05	0.2	0.18	0.7	<0.02	<1	<0.1	0.1	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722366	Soil	<0.1	<0.02	0.05	0.7	0.3	<0.05	0.3	0.17	0.6	<0.02	<1	<0.1	0.1	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722368	Soil	<0.1	<0.02	0.20	1.6	0.3	<0.05	0.5	3.66	7.2	0.02	<1	0.3	5.5	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722370	Soil	<0.1	0.02	0.06	1.0	0.4	<0.05	0.4	0.27	1.2	<0.02	<1	<0.1	0.1	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722372	Soil	0.2	<0.02	0.13	1.6	0.5	<0.05	0.3	2.48	7.1	0.03	<1	<0.1	2.0	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722374	Soil	<0.1	<0.02	0.14	1.2	0.5	<0.05	0.6	3.09	7.7	0.02	<1	<0.1	0.5	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722376	Soil	<0.1	<0.02	0.10	1.2	0.4	<0.05	0.6	0.57	2.6	<0.02	<1	<0.1	0.4	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722378	Soil	<0.1	0.03	0.55	3.2	1.4	<0.05	0.9	0.79	7.3	0.02	<1	<0.1	5.4	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1720477	Soil	<0.1	<0.02	0.60	1.9	1.0	<0.05	<0.1	1.41	6.3	<0.02	<1	<0.1	0.6	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
1722193	Soil	<0.1	<0.02	1.39	3.3	2.0	<0.05	0.2	2.40	7.4	0.02	<1	<0.1	1.3	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.



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Project: Flores
 Report Date: June 27, 2012

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CERTIFICATE OF ANALYSIS

VAN12002369.1

Method	Analyte	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
		Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti
Unit		ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	
MDL		0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001
1722335	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722337	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722339	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722341	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722343	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722345	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722347	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722349	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722351	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722353	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722355	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722357	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722359	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722361	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722363	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722364	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722366	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722368	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722370	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722372	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722374	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722376	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722378	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1720477	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722193	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	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

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Method	Analyte	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
		B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr
		ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		MDL	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05
1722335	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1722337	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1722339	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1722341	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1722343	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1722345	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1722347	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1722349	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1722351	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1722353	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1722355	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1722357	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1722359	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1722361	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1722363	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1722364	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1722366	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1722368	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1722370	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1722372	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1722374	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1722376	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1722378	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1720477	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
1722193	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	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: Flores

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CERTIFICATE OF ANALYSIS

VAN12002369.1

Method	Analyte	1F	1F	1F	1F	1F	1F	1F
		Y	Ce	In	Re	Be	Li	Pd
Unit		ppm	ppm	ppm	ppb	ppm	ppm	ppb
MDL		0.01	0.1	0.02	1	0.1	0.1	10
1722335	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722337	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722339	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722341	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722343	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722345	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722347	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722349	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722351	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722353	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722355	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722357	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722359	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722361	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722363	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722364	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722366	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722368	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722370	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722372	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722374	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722376	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722378	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1720477	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1722193	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.



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QUALITY CONTROL REPORT

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Method	SS80	SS80	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte	-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	
Pulp Duplicates																					
1722184	Soil	16.00	77.00	0.38	7.30	14.68	4.2	282	2.1	0.5	10	3.09	<0.1	0.3	<0.2	0.1	5.9	0.27	0.23	0.33	4
REP 1722184	QC			0.39	7.70	16.34	4.4	271	1.9	0.3	7	3.62	<0.1	0.3	0.4	0.1	5.9	0.25	0.27	0.14	4
1722333	Soil	7.000	10.00	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	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 1722333	QC																				
1722351	Soil	23.00	86.00	0.39	7.06	52.39	23.9	77	10.7	2.3	40	0.81	1.9	0.1	1.5	0.4	48.2	0.47	0.46	0.37	29
REP 1722351	QC			0.36	7.14	53.46	23.7	75	10.9	2.3	39	0.76	2.1	0.1	1.9	0.4	49.5	0.52	0.44	0.31	26
Reference Materials																					
STD DS8	Standard			13.50	116.7	128.0	317.8	1855	40.5	7.9	628	2.54	25.3	2.8	120.2	6.3	62.3	2.41	6.02	6.67	42
STD DS8	Standard			14.83	117.7	131.5	307.2	1481	43.2	8.5	648	2.49	24.9	3.1	123.1	8.0	69.7	2.44	5.83	6.92	41
STD DS9	Standard																				
STD DS9	Standard			13.66	118.0	132.0	332.4	1979	42.7	8.5	630	2.48	27.9	2.9	136.0	6.3	72.6	2.69	6.29	6.85	40
STD DS9	Standard			14.28	114.0	126.7	315.3	1878	43.7	8.6	598	2.39	24.8	2.9	118.1	7.2	69.9	2.33	5.61	6.70	40
STD OREAS45CA	Standard																				
STD OREAS45CA Expected																					
STD DS9 Expected				12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40
STD DS8 Expected				13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1
BLK	Blank																				
BLK	Blank			<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2
BLK	Blank			<0.01	<0.01	0.01	0.2	4	<0.1	<0.1	5	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2



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QUALITY CONTROL REPORT

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Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	
Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	
MDL	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	
Pulp Duplicates																					
1722184	Soil	0.07	0.085	5.7	3.8	0.03	9.4	0.007	<1	1.18	0.008	0.03	<0.1	0.8	<0.02	0.27	93	4.6	<0.02	1.5	0.19
REP 1722184	QC	0.07	0.084	5.6	4.3	0.03	10.6	0.007	<1	1.20	0.008	0.02	0.1	0.8	0.05	0.27	128	4.6	<0.02	1.4	0.19
1722333	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	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 1722333	QC																				
1722351	Soil	0.24	0.030	2.0	33.3	0.25	19.4	0.030	4	0.66	0.021	0.04	<0.1	1.4	0.07	0.11	165	3.2	0.02	3.5	0.52
REP 1722351	QC	0.23	0.032	2.0	29.3	0.24	19.4	0.028	4	0.64	0.021	0.04	<0.1	1.3	0.06	0.11	164	3.0	<0.02	3.2	0.52
Reference Materials																					
STD DS8	Standard	0.71	0.084	14.0	116.8	0.63	270.9	0.107	3	0.93	0.089	0.44	3.2	2.5	6.10	0.17	210	5.2	5.35	4.9	2.56
STD DS8	Standard	0.74	0.082	18.6	120.9	0.62	296.5	0.129	3	0.96	0.094	0.42	3.6	3.0	6.04	0.16	220	5.7	5.79	5.0	2.72
STD DS9	Standard																				
STD DS9	Standard	0.76	0.091	13.4	122.9	0.66	325.5	0.112	3	0.95	0.088	0.43	3.3	2.5	6.21	0.17	232	6.0	5.64	5.0	2.60
STD DS9	Standard	0.76	0.087	15.6	120.5	0.63	306.3	0.129	3	0.99	0.087	0.40	3.4	2.8	5.73	0.16	229	5.6	5.27	5.0	2.59
STD OREAS45CA	Standard																				
STD OREAS45CA Expected																					
STD DS9 Expected		0.7201	0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59	2.37
STD DS8 Expected		0.7	0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48
BLK	Blank																				
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	0.7	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02



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QUALITY CONTROL REPORT

VAN12002369.1

Method	Analyte	Unit	MDL	1F15 Ge	1F15 Hf	1F15 Nb	1F15 Rb	1F15 Sn	1F15 Ta	1F15 Zr	1F15 Y	1F15 Ce	1F15 In	1F15 Re	1F15 Be	1F15 Li	1F15 Pd	1F15 Pt	1F Mo	1F Cu	1F Pb	1F Zn	1F Ag
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppb
Pulp Duplicates																							
1722184	Soil			<0.1	<0.02	0.24	1.0	0.2	<0.05	0.1	2.89	7.9	<0.02	<1	0.1	0.3	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1722184	QC			0.1	<0.02	0.22	1.0	0.2	<0.05	0.2	2.93	7.9	<0.02	<1	0.1	0.3	<10	<2					
1722333	Soil			N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0.53	5.19	19.59	11.5	64
REP 1722333	QC																		0.51	5.42	20.13	11.4	61
1722351	Soil			<0.1	0.03	0.21	1.3	0.6	<0.05	0.9	0.66	3.8	0.03	<1	<0.1	0.7	<10	<2	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1722351	QC			<0.1	0.02	0.19	1.3	0.6	<0.05	0.7	0.65	3.8	0.02	<1	<0.1	0.6	<10	<2					
Reference Materials																							
STD DS8	Standard			0.1	0.06	1.54	40.2	6.6	<0.05	1.4	5.55	27.0	2.22	65	5.4	27.7	136	363					
STD DS8	Standard			0.1	0.11	1.60	42.3	6.8	<0.05	2.3	7.13	35.5	2.38	68	5.6	27.3	141	366					
STD DS9	Standard																		13.43	116.8	137.1	308.6	2009
STD DS9	Standard			0.1	0.06	1.54	36.7	6.9	<0.05	1.5	6.06	26.3	2.25	68	5.8	28.6	135	383					
STD DS9	Standard			0.1	0.09	1.53	35.6	6.3	<0.05	2.3	6.85	30.4	2.27	63	5.5	26.8	128	366					
STD OREAS45CA	Standard																		1.15	532.8	21.25	61.9	276
STD OREAS45CA Expected																			1	494	20	60	275
STD DS9 Expected				0.1	0.08	1.33	33.8	6.4	0.004	2	5.97	25.4	2.2	61	5.4	25.2	120	350	12.84	108	126	317	1830
STD DS8 Expected				0.13	0.08	1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339					
BLK	Blank																		<0.01	<0.01	<0.01	<0.1	<2
BLK	Blank			<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2					
BLK	Blank			<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2					



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QUALITY CONTROL REPORT

VAN12002369.1

Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	
Unit	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	
MDL	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001
Pulp Duplicates																					
1722184	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	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 1722184	QC																				
1722333	Soil	3.7	2.0	6	0.18	2.1	<0.1	1.5	<0.1	20.1	0.48	0.36	0.16	5	0.08	0.060	1.1	3.9	0.12	13.8	0.004
REP 1722333	QC	3.6	2.2	7	0.19	1.8	<0.1	0.2	<0.1	20.3	0.48	0.39	0.14	5	0.08	0.061	1.1	4.1	0.12	14.1	0.004
1722351	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	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 1722351	QC																				
Reference Materials																					
STD DS8	Standard																				
STD DS8	Standard																				
STD DS9	Standard	43.3	8.2	602	2.37	26.6	2.9	118.2	6.8	70.0	2.40	4.60	6.61	39	0.73	0.088	13.2	121.8	0.64	323.5	0.115
STD DS9	Standard																				
STD DS9	Standard																				
STD OREAS45CA	Standard	256.6	96.4	969	15.95	3.6	1.3	45.1	7.4	14.8	0.09	0.14	0.18	225	0.42	0.041	17.3	744.4	0.16	169.5	0.156
STD OREAS45CA Expected		240	92	943	15.69	3.8	1.2	43	7	15	0.1	0.13	0.19	215	0.4265	0.0385	15.9	709	0.1358	164	0.128
STD DS9 Expected		40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819	13.3	121	0.6165	330	0.1108
STD DS8 Expected																					
BLK	Blank	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001
BLK	Blank																				
BLK	Blank																				



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Client: **Catface Copper Mines Limited**
 200 - 580 Hornby Street
 Vancouver BC V6C 3B6 Canada

Project: Flores
 Report Date: June 27, 2012

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Part: 5 of 6

QUALITY CONTROL REPORT

VAN12002369.1

Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	
Unit	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	
Pulp Duplicates																					
1722184	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	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 1722184	QC																				
1722333	Soil	<20	0.32	0.029	0.06	<0.1	0.6	0.04	0.17	184	1.6	<0.02	0.4	0.24	<0.1	<0.02	0.05	1.3	0.3	<0.05	0.2
REP 1722333	QC	<20	0.32	0.029	0.06	<0.1	0.6	0.04	0.17	190	1.6	<0.02	0.4	0.25	<0.1	<0.02	0.05	1.3	0.3	<0.05	0.3
1722351	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	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 1722351	QC																				
Reference Materials																					
STD DS8	Standard																				
STD DS8	Standard																				
STD DS9	Standard	<20	0.97	0.085	0.41	3.1	2.3	6.08	0.16	227	5.7	5.11	4.8	2.53	<0.1	0.06	1.01	35.6	6.1	<0.05	1.7
STD DS9	Standard																				
STD DS9	Standard																				
STD OREAS45CA	Standard	<20	3.79	0.007	0.07	<0.1	43.5	0.12	<0.02	48	0.4	0.05	19.5	1.21	<0.1	0.59	0.22	9.2	1.7	<0.05	22.5
STD OREAS45CA Expected			3.592	0.0075	0.0717		39.7	0.07	0.021	30	0.5	0.06	18.4	1.03	0.11	0.5	0.22	8.2	1.8		21.6
STD DS9 Expected			0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59	2.37	0.1	0.08	0.96	33.8	6.4	0.004	2
STD DS8 Expected																					
BLK	Blank	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1
BLK	Blank																				
BLK	Blank																				



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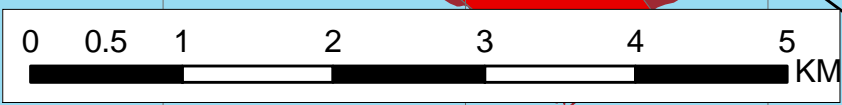
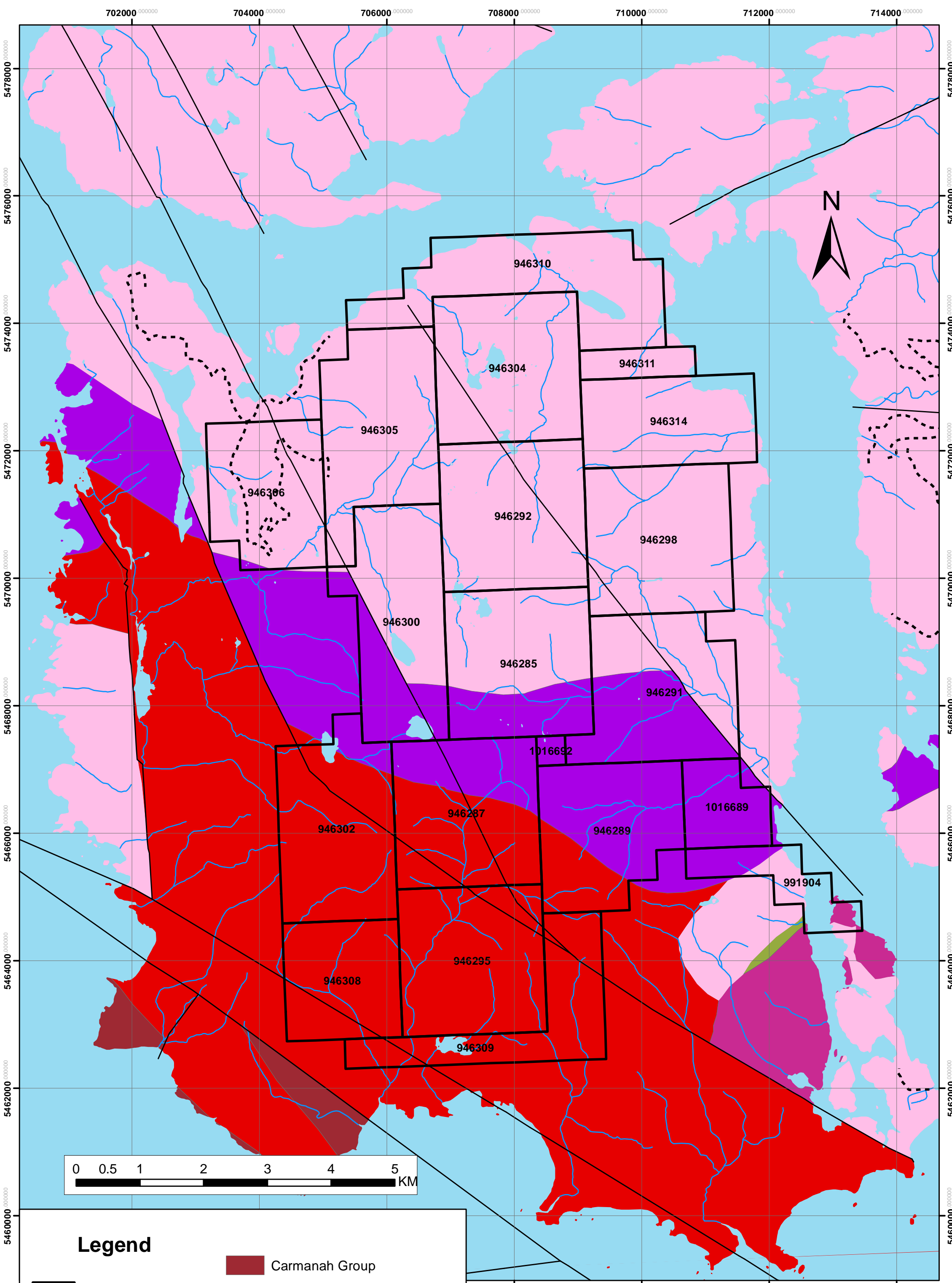
Part: 6 of 6

QUALITY CONTROL REPORT

VAN12002369.1

Method		1F	1F	1F	1F	1F	1F	1F	1F
Analyte		Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates									
1722184	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1722184	QC								
1722333	Soil	0.60	1.7	<0.02	<1	<0.1	0.2	<10	<2
REP 1722333	QC	0.60	1.7	<0.02	3	<0.1	0.1	<10	<2
1722351	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 1722351	QC								
Reference Materials									
STD DS8	Standard								
STD DS8	Standard								
STD DS9	Standard	5.84	24.9	2.30	67	5.5	27.6	114	365
STD DS9	Standard								
STD DS9	Standard								
STD OREAS45CA	Standard	8.45	38.6	0.11	1	0.7	7.1	39	64
STD OREAS45CA Expected		7.84	35	0.09			6.2	36	61
STD DS9 Expected		5.97	25.4	2.2	61	5.4	25.2	120	350
STD DS8 Expected									
BLK	Blank	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank								
BLK	Blank								

APPENDIX F: Drawings



Legend

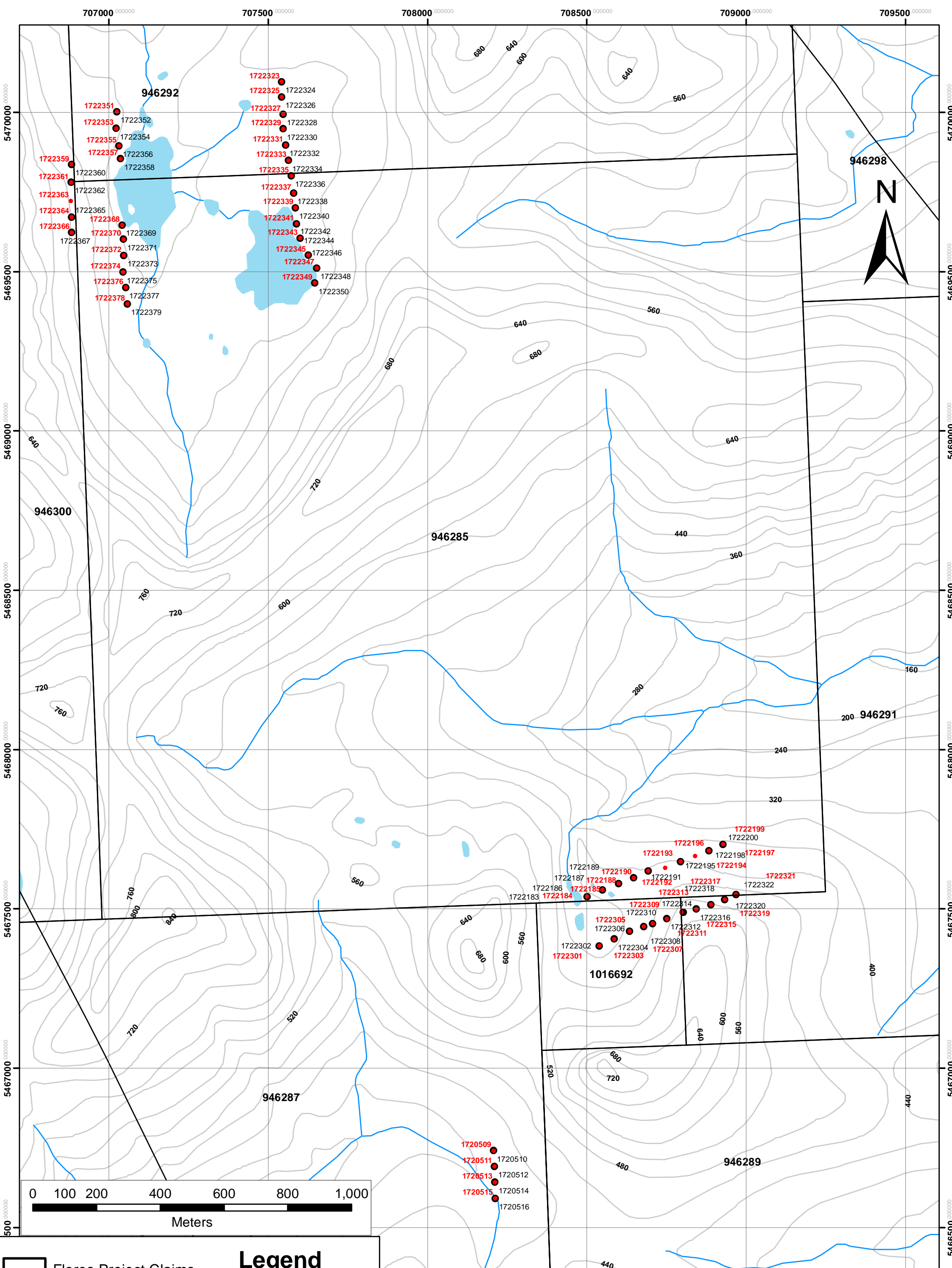
- Flores Project Claims
- Ocean/Lakes
- Rivers/Creeks
- Logging Roads
- Faults
- Carmanah Group
- Clayoquot Plutonic Suite
- Flores Volcanics
- Island Plutonic Suite
- Buttle Lake Group
- Westcoast Crystalline Complex

CATFACE COPPER MINES LTD.

FLORES PROJECT
Alberni Mining Division

Geology

Date	March 19th, 2013	Scale	1:50,000	Figure 4
Projection	UTM Zone 9 - NAD83	NTS	92E08	
Author	DP	File	Flores_Geology	



Legend

- Flores Project Claims
- Ocean/Lakes
- Rivers/Creeks
- Logging Roads
- Faults
- Contours (40 m)

Ah Samples

- Sample ID

B Samples

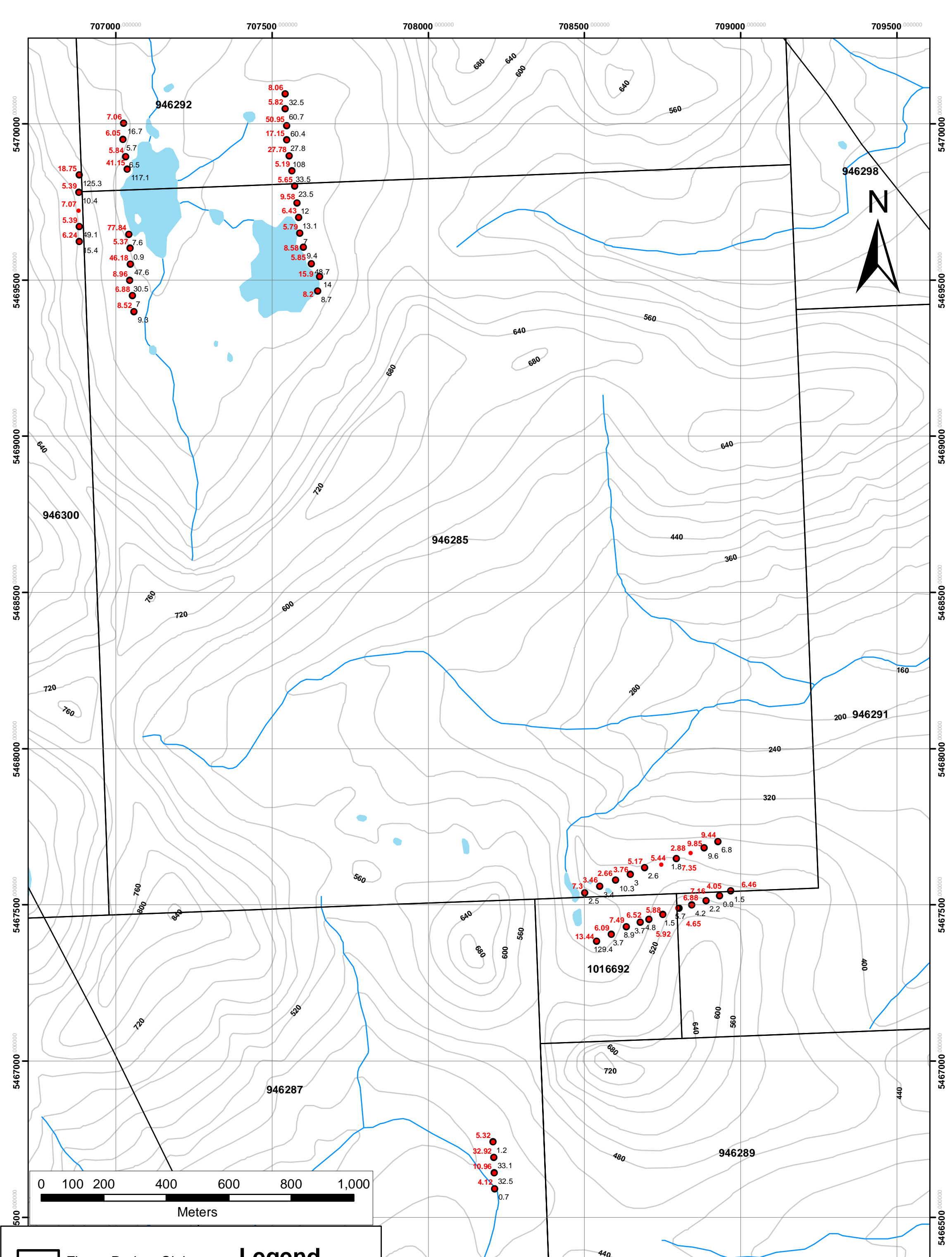
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CATFACE COPPER MINES LTD.

FLORES PROJECT
Alberni Mining Division

Sample Locations

Date	March 20th, 2013	Scale	1:10,000	Figure 5
Projection	UTM Zone 9 - NAD83	NTS	92E08	
Author	DP	File	Flores_Samples	



Legend

- Flores Project Claims
- Ocean/Lakes
- Rivers/Creeks
- Logging Roads
- Faults
- Contours (40 m)
- Ah Samples**
- Copper (PPM)
- B Samples**
- Copper (PPM)

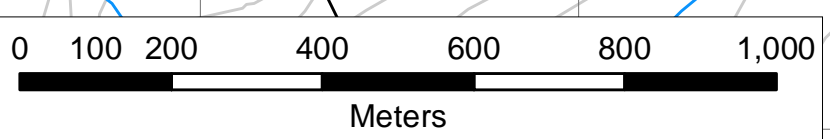
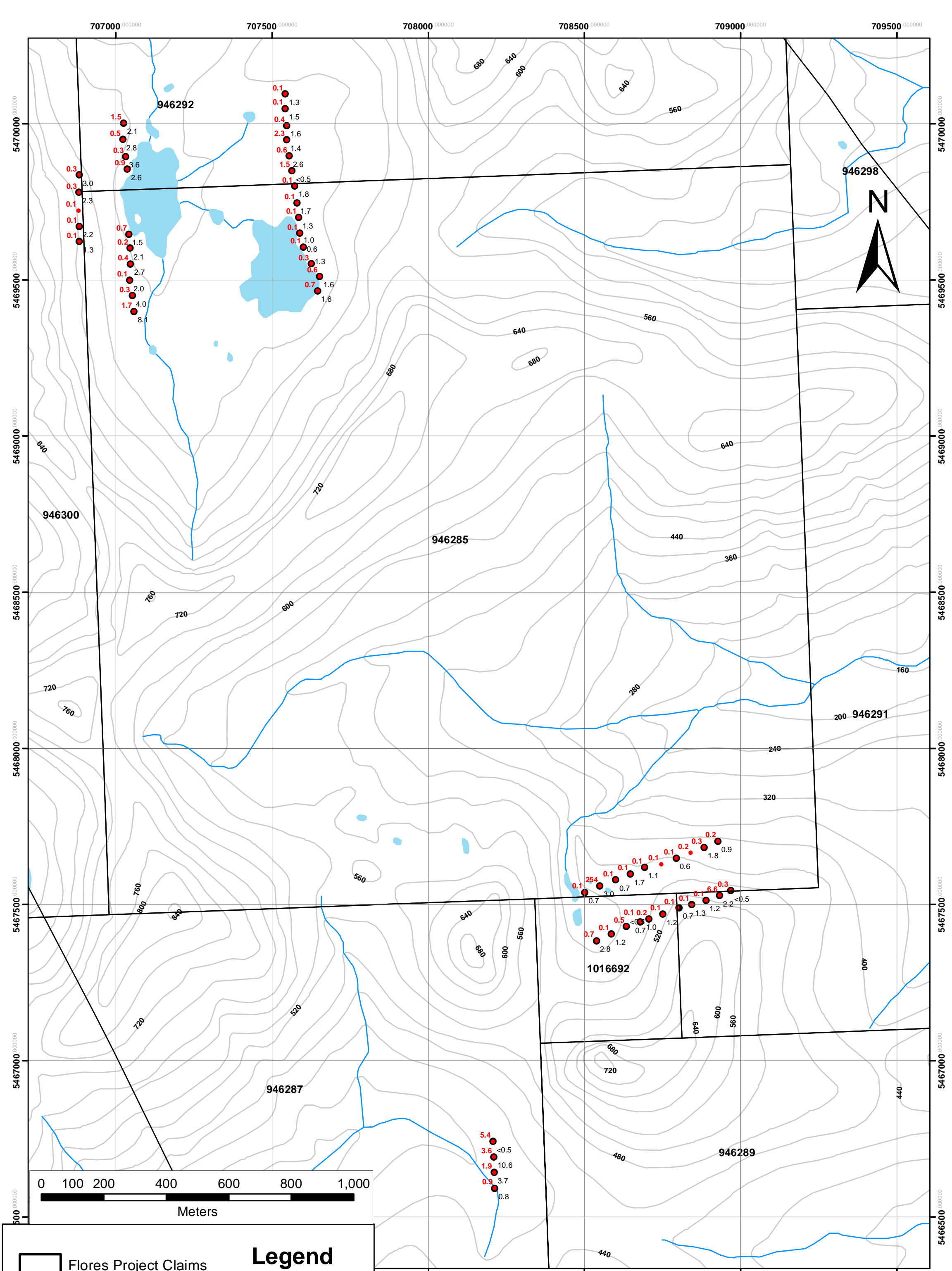
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FLORES PROJECT
Alberni Mining Division

Soil Geochemistry - Copper

Date	March 20th, 2013	Scale	1:10,000
Projection	UTM Zone 9 - NAD83	NTS	92E08
Author	DP	File	Flores_Copper

Figure 6



Legend

- Flores Project Claims
- Ocean/Lakes
- Rivers/Creeks
- Logging Roads
- Faults
- Contours (40 m)
- Ah Samples**
- Gold (PPB)
- B Samples**
- Gold (PPB)

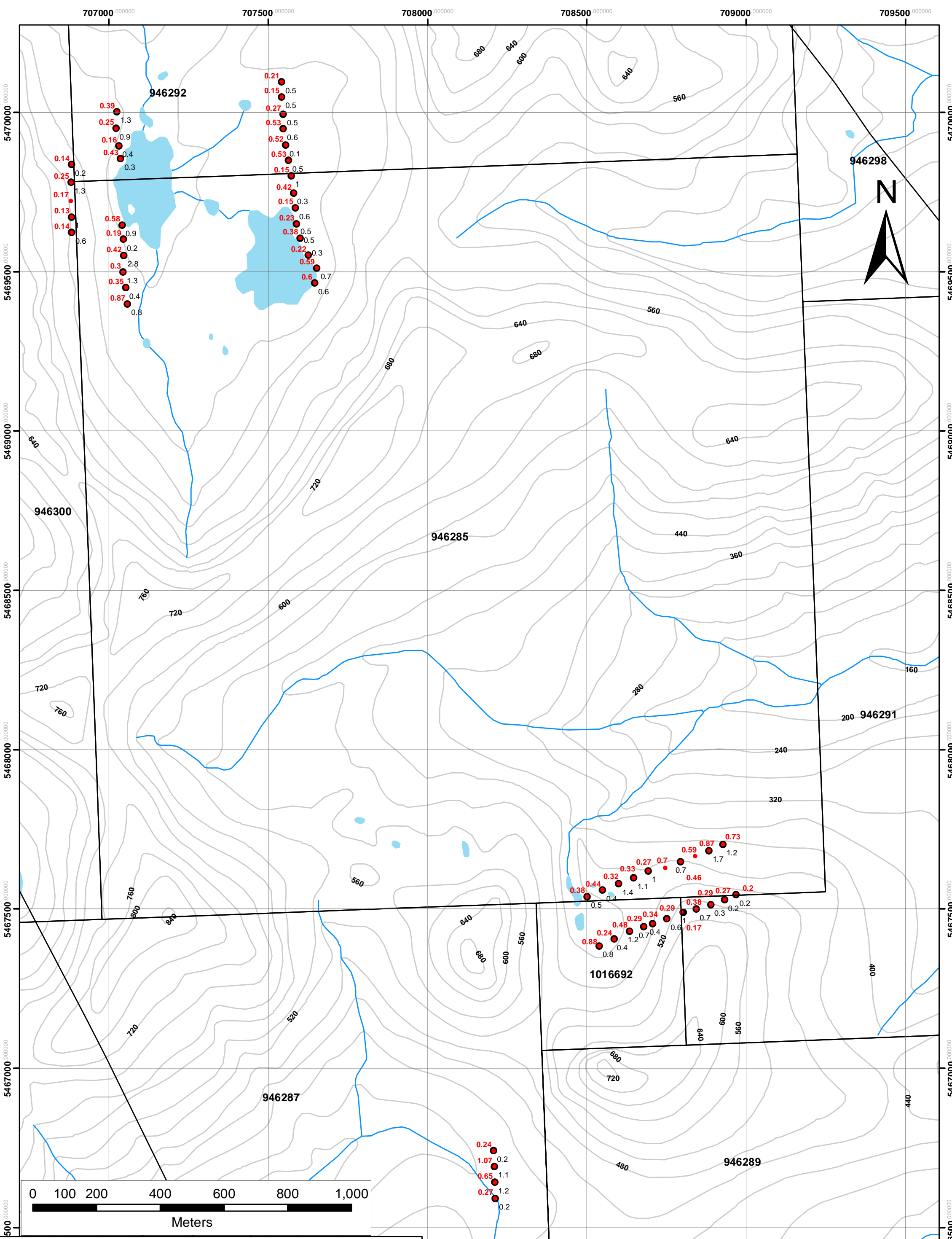
CATFACE COPPER MINES LTD.

FLORES PROJECT
Alberni Mining Division

Soil Geochemistry - Gold

Date	March 20th, 2013	Scale	1:10,000
Projection	UTM Zone 9 - NAD83	NTS	92E08
Author	DP	File	Flores_Gold

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Legend

- Flores Project Claims
- Ocean/Lakes
- Rivers/Creeks
- Logging Roads
- Faults
- Contours (40 m)

Ah Samples

- Molybdenum (PPM)

B Samples

- Molybdenum (PPM)

CATFACE COPPER MINES LTD.

FLORES PROJECT
Alberni Mining Division

Soil Geochemistry - Molybdenum

Date	March 20th, 2013	Scale	1:10,000
Projection	UTM Zone 9 - NAD83	NTS	92E08
Author	DP	File	Flores_Moly

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