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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:** $21,178.86

AUTHOR(S): Jason Corlazzoli, B.Sc., GIT **SIGNATURE(S):**

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): N/A **YEAR OF WORK:** 2011

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5155971 / December 19, 2011

PROPERTY NAME: Catface NE

CLAIM NAME(S) (on which the work was done): 636864, 636865, 636867 and 636883

COMMODITIES SOUGHT: Cu, Mo, Au

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 092F 120, 092F 231, 092F 251

MINING DIVISION: Alberni **NTS/BCGS:** 92F/5W / 092F021, 092F031

LATITUDE: 49 ° 20 '17 " **LONGITUDE:** 125 ° 52 '13 " **(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 Catface NE Property is underlain by Paleozoic Sicker Group volcanics and sediments composed of felsic pyroclastics and mafic flow units; later intrusion by dykes and sills ranging from gabbro to diorite crosscut all lithologies. Karmutsen volcanics dip gently and overlay the Sicker Group at elevation while Questing Limestone is sparsely represented. No known mineral showings occur.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 19330, 19766, 20561, 31891

Next Page

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	128 (36 element ICP-MS)	636865, 636867, 636883	13,961.00
Silt			
Rock	3 (36 element ICP-MS)	636865, 636883	327.21
Other	38 stream sediment (36 element ICP-MS)	636864, 636865, 636867, 636883	4,144.67
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying	169 samples		2,745.98
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:	$21,178.86

GEOCHEMICAL SURVEY REPORT

on the

CATFACE NE PROPERTY

Tenure Nos. 636864, 636865, 636867 and 636883

Alberni Mining Division

NTS: 92F/05W

BCGS Map Sheet: 092F031

Latitude: 49° 20.3′ N; Longitude 125° 52.2′ W

UTM (NAD 83 – Zone 10): 5 469 000 N; 291 500 E

Owner / Operator: Catface Copper Mines Limited – 100%

Author: Jason Corlazzoli, B.Sc. GIT.

March 9, 2012

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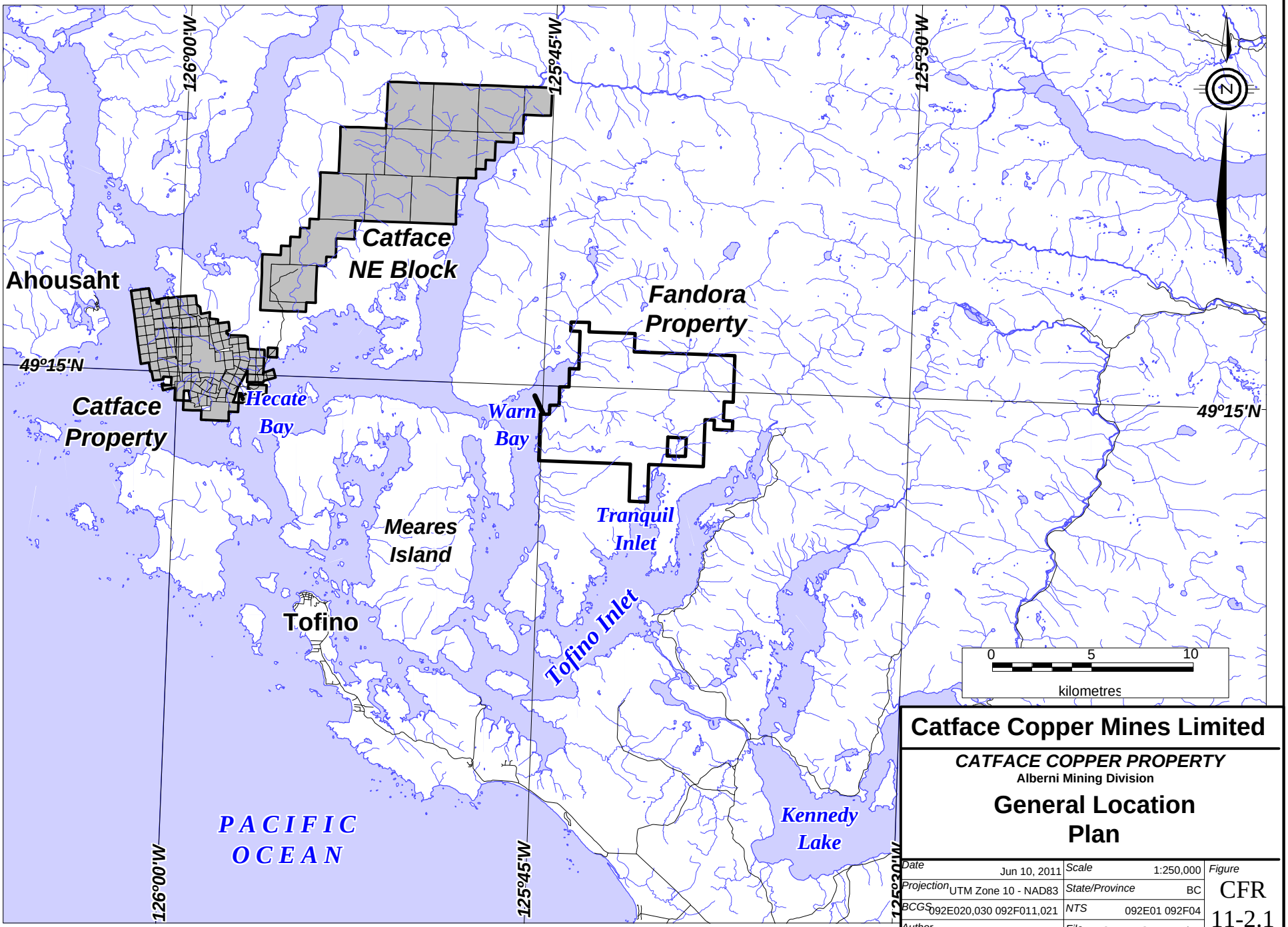
Catface Copper Mines Limited

CATFACE COPPER PROPERTY

Alberni Mining Division

BC Location Plan

Date	May 3, 2010	*Scale*	1:8,000,000	*Figure* CFR 10-1
Projection	UTM Zone 10 - NAD83	*State/Province*	BC	
BCGS	092E020,030 092F011,021	*NTS*	092E01 092F04	
Author	EA	*File*	CAT_LocMap10	



Catface Copper Mines Limited

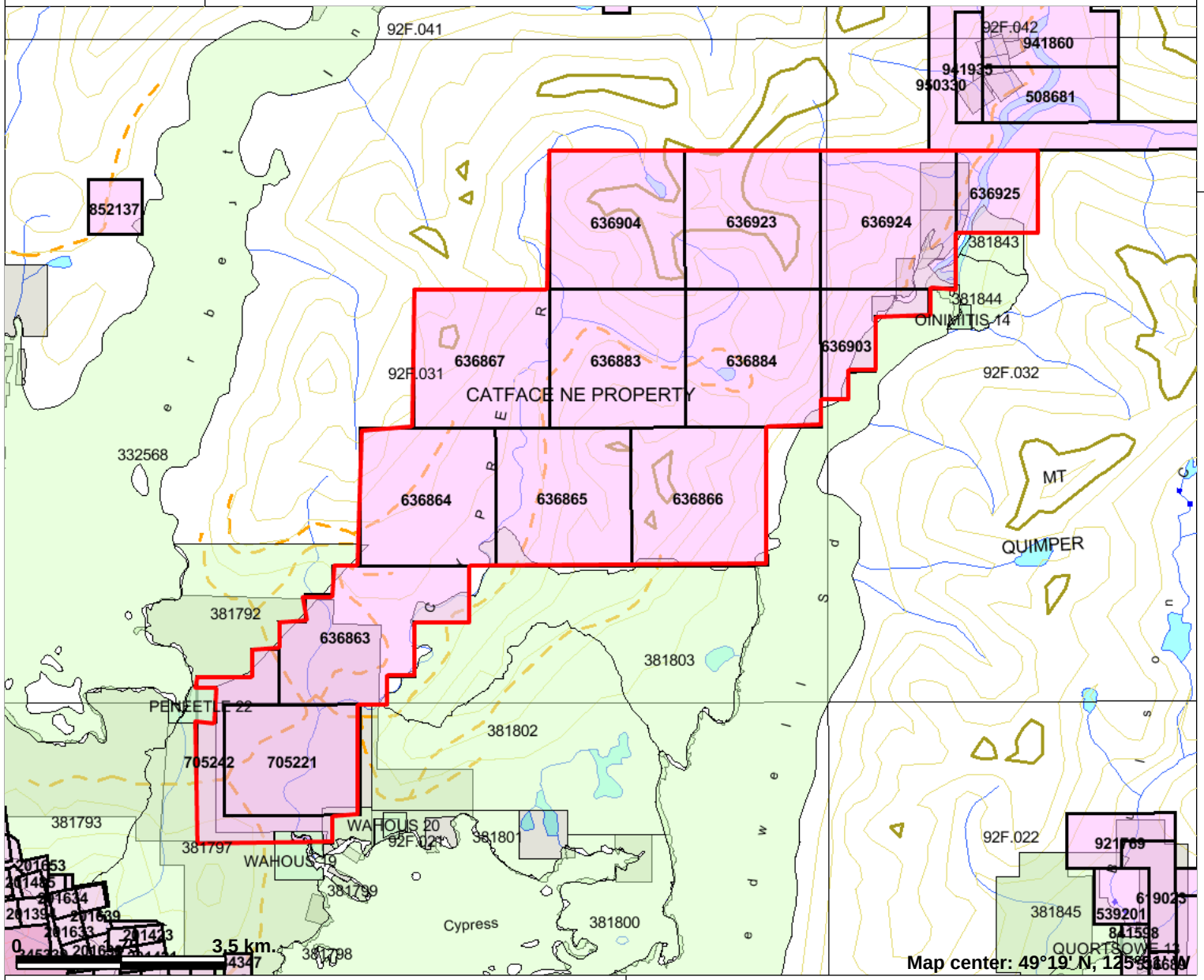
CATFACE COPPER PROPERTY

Alberni Mining Division

General Location Plan

Date	Jun 10, 2011	Scale	1:250,000	Figure
Projection	UTM Zone 10 - NAD83	State/Province	BC	CFR 11-2.1
BCGS	092E020,030 092F011,021	NTS	092E01 092F04	
Author	MJD	File	CatFan-GenLocation	

Catface NE Property: Mineral Tenures (Mar 08 2012)



Legend

- Indian Reserves
- National Parks
- Conservancy Areas
- Parks
- Federal Transfer Lands

Mineral Tenure (current)

- Mineral Claim
- Mineral Lease

Mineral Reserves (current)

- Placer Claim Designation
- Placer Lease Designation
- No Staking Reserve
- Conditional Reserve
- Release Required Reserve
- Surface Restriction
- Recreation Area
- Others
- First Nations Treaty Related Lands
- First Nations Treaty Lands
- Survey Parcels
- BCGS Grid

Contours (1:250K)

- Contour - Index
- Contour - Intermediate
- Areaof Exclusion
- Areaof Indefinite Contours

Annotation (1:250K)

Transportation - Points (1:250K)

- Airfield
- Anchorage - Seaplane

N

Scale: 1:100,000

Notes: Figure CFNE-2012-3

Figure: CFNE-2012-3

SECTION A: REPORT

INTRODUCTION

The Catface NE Property (the "Property") is located from 1.5 to 19 km northeast of the Catface deposit, a large copper-molybdenum porphyry style deposit located on the west coast of Vancouver Island, British Columbia. The property is owned by Catface Copper Mines Limited (the "Company"), a company 100% owned by Selkirk Metals Corp., itself a wholly-owned subsidiary of Imperial Metals Corporation of Vancouver, BC. The Property is located in Cypre River Valley and the Bedingfield Range and extends from 14 to 27 km north of Tofino, BC. This report documents a geochemical survey program that was undertaken by the Company in late November and December 2011.

PROPERTY:

The Catface NE Property is owned 100% by Catface Copper Mines Limited, a company owned 100% by Selkirk Metals Corp. Catface Copper Mines Limited is the registered owner of the 14 mineral tenures comprising the Property.

The Property extends from 14 to 27 km north of Tofino, BC in the Bedingfield Range of Vancouver Island between Bedwell Sound and Herbert Inlet and consists of 14 mineral tenures (301 cells / 6334.66 ha). The details of the mineral tenure that comprise the Property are set out in Section B of this report. The "good to dates" are based on the Statement of Work filed on December 19, 2011 as Event #5155971 and assume that the work contained in this report will be accepted for assessment purposes.

LOCATION AND ACCESS:

The Catface NE property is situated in the Cypre River Valley and the Bedingfield Range, west coast of Vancouver Island, southwestern British Columbia (see figures 1 to 3). The Property sits between Bedwell Sound and Herbert Inlet and is located on NTS map sheet 92F/05W and the BCGS map sheets are 092F021, 092F031 and 092F032. The centre of the 2011 work area is 49° 20.3′ North latitude and 125° 52.2′ West longitude while the UTM coordinates are 291,500E., 5,469,000 (NAD 83, Zone 10). The town of Tofino is approximately 14 km south of the southern boundary of the property.

Access to the Property is possible by boat, fixed-wing aircraft or helicopter and then by vehicle. A barge is required to transport vehicles from Tofino across Bedwell Sound to Hecate Bay on the Catface Peninsula. Logging roads are then used to gain access up the Cypre River Valley into the central portion of the claim block. Water taxis are also employed to move personnel on a daily basis from either Ahousaht or Tofino to either Whitepine Cove or Hecate Bay. They are then transported by vehicle to the Property. The barge and boat docking facilities are in good order at Hecate Bay on the east side of the property, as there continues to be some logging and shake/shingle activity on the Catface Peninsula and in the Cypre River area. A short gravel airstrip near the Hecate Bay dock facilities could accommodate wheeled plane access with a significant amount of upgrading, while floatplanes can land in the relatively protected confines of Hecate Bay itself. A 10 km logging access road extends from Hecate Bay into the central portion of the property.

The reactivation of several forestry roads following the 2010 field program now makes the northern end of the Cypre River valley accessible by truck.

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 Piésold, 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 centre of the Catface Property. 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 Catface NE Property is located in 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. The Catface Peninsula is a heavily treed peninsula 4 to 8 km wide. Recently significant areas of forest land have been harvested within the property boundaries and nearby areas. The Bedingfield Range runs on a SW-NE axis on the west side of Bedwell Sound with elevations ranging up to 1184 m on Mt. Saavedra and 1291 m on Mt. Guemes.

The Property is 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. There is a thick undergrowth of salal and salmonberry throughout the area.

HISTORY:

The Catface NE claims were originally known as Bedingfield and Cypre mineral claims, and were first staked in 1985 (Vande Guchte *et al.* 1989). Cominco Limited optioned the property from 1985 to 1988 during which geological mapping, rock and soil geochemical sampling, and reconnaissance UTEM surveys were completed but only a total of 3 line km were surveyed (Jackisch, 1987). At the time the Property was held under a joint venture exploration agreement with BP Resources (Blackwell, 1988).

The results of the UTEM surveys lead to the establishment of three grids totalling 49 line km to be mapped and surveyed by UTEM, horizontal loop EM and magnetometer. Nine holes totalling 1061 m were drilled in two areas during 1987. Cominco returned the claims to the vendors in 1988.

Falconbridge Ltd acquired the Cypre River Option in June, 1987 and contracted Aerodat Limited to fly airborne surveys of the Property during 1989.The EM, VLF-EM and MAG surveys covered about 70% of the property (Stewart, 1989).

Project geologist Robert Stewart attributed resistivity and IP responses to graphite along a thrust fault below the Karmutsen Formation, and did not recommend the extension of the grid to the north (Stewart & Hendrickson, 1989). Later in 1989 Vande Guchte *et al* followed up on the geophysical surveys by 1:5000 mapping and rock sampling.

In 1990 Falconbridge Ltd continued with mapping and rock sampling to evaluate the possible economic potential of the Sicker Group (Vande Guchte & Stewart, 1990). Alteration zones were investigated with emphasis, but no significant base metal or precious metal mineralization was found.

None of the exploration programs undertaken on this Property have yielded results indicating the possible presence of another VMS style deposit similar to Myra Falls or a porphyry deposit like the Catface copper-molybdenum deposit.

In 2010, 44 stream sediment samples were taken on the property between June 1 and July 31. The geochemical program was completed concurrently with the 2010 drilling program on Catface Mountain by the Company.

REGIONAL GEOLOGY:

The Catface copper-molybdenum porphyry deposit is hosted within volcanic rocks of the Upper Permian Sicker or Vancouver Group (dominantly Karmutsen volcanics) and Eocene porphyritic intrusives. The volcanic suite consists of basalts, andesitic flows, tuff breccias and agglomeratic rocks that are locally weakly hornfelsed near the intrusive contacts. These lithologies are in fault contact with diorites of the Westcoast Complex (Figure 3). All of the older units were intruded by Jurassic age quartz monzonite sills and dykes. The entire assemblage was subsequently intruded by several phases of the Tertiary Tofino Intrusive Suite (Catface Intrusions), which consist of porphyritic quartz diorite/granodiorite stocks (McDougall, 1976 Muller, 1981; and Nilsson, 2001).

The Catface deposit is atypical of most calc-alkalic porphyry deposits in BC in that it lacks a pyritic halo or a distinct phyllic alteration envelope. Quartz stockworks are poorly developed and there is little evidence of base metal zonation outside of the copper zone.

The following discussion is taken from McDougall (1976) as it summarizes the regional setting of the deposit:

> "*The Catface regional setting is that of a cupola of quartz diorite emplaced in and capped by volcanic rocks. The cupola is genetically related to a large elongate Tertiary intrusion that is sparingly exposed. The emplacement of this pluton was guided by intersections of regional and local faults and by contacts which guided earlier and smaller quartz monzonite intrusions. Mineralization affects both the upper portion of the cupola, which consists largely of dyke like porphyritic bodies and porphyry dykes, and the invaded host rocks, which consist of Paleozoic and possibly Triassic volcanic sequences intruded by the quartz monzonite of undetermined age"*
>
> *"Fracturing of the host rocks occurred, particularly at higher levels, related to intrusive-induced doming as well as local faulting. Micro-shattering of rock forming minerals was extensive. Hydrothermal alteration, although not intense, was widespread, with processes such as silicification influencing rock competency. The mineralizing process, which occurred after all the rocks were emplaced and major structures developed, was controlled by fault and fracture systems."*
>
> *"Mineral zoning, probably caused by sulphur and iron availability, resulted in the central annular pyrite-free bornite-chalcopyrite zone, which approximately coincides with a siliceous one, and an outer pyrite-pyrrhotite-chalcopyrite zone."*

PROPERTY GEOLOGY:

The geology of the Catface Deposit has been detailed in papers by J.J. McDougall and is discussed in Porphyry Deposits of the Cordillera - CIM Special Volume 15 and Special Volume 46. Relevant geological information from these papers has been summarized by Chapman (2009) in the descriptions below.

The geologic setting of the adjacent Catface deposit is a cupola of quartz diorite emplaced in, and capped by volcanic rocks. The cupola is genetically related to a large Tertiary intrusion that is elongate in a

northwesterly direction. Intersections of regional and local faults provided the controls on the emplacement of this pluton, and the smaller quartz monzonite intrusions which preceded it. Mineralization is distributed through the upper portion of the cupola and the invaded country rocks. The upper levels of the cupola consist of dyke like porphyry bodies. The country rocks are Paleozoic and possibly Tertiary volcanic sequences, which had been previously intruded by the quartz monzonite bodies of undetermined age.

Some blocks of the volcanic rocks have been assimilated by both the monzonite and the quartz diorite, but most can still be recognized, with the origin of the blocks being the roof and walls of the original magma chamber. Intrusion and collapse breccias formed at various times within the enclosing rocks. Fracturing of the country rocks was extensive and related to doming as well as local faulting. The mineralizing event occurred after all rocks were emplaced and major structures developed, and was controlled by fault and fracture systems.

The Catface project contains three known mineralized zones as a result of exploration work completed to date. These are the Cliff Zone, the Irishman Creek Zone and the Hecate Bay Zone. The main deposit is the Cliff Zone situated on the west side of Catface Mountain. Mineralization at the Cliff Zone covers an area of approximately 900 m by 600 m to a depth of 350 m, and consists of disseminated and fracture controlled chalcopyrite, bornite and molybdenite. The mineralization occurs in both the intrusive rocks and the volcanic country rocks. The Cliff Zone is a copper – molybdenum porphyry system related to a small mid-Eocene porphyritic quartz diorite to granodiorite intrusive stock that is one of the "*Cliff Intrusions*". The Irishman Creek Zone is a smaller but higher grade deposit associated with a series of pipe like breccia zones. The size and style of the Hecate Bay prospect has not yet been determined.

The Catface NE Property is contains similar geology as the Catface Property, but sedimentary and metamorphic units are more prominent.

On the west side of the Cypre River the Sicker Group volcanic unit is exposed. Muller (1980) suggested that the Sicker Group consists of four dominant units, although other research indicates possible additional units. Vande Gutche and Stewart (1990) summarized the Sicker Group from youngest to oldest, as originally proposed by Muller.

Buttle Lake Formation
Calcarenitic and commonly recrystallized (marbleized) limestone interbedded with calcareous siltstone and chert with minor diabase sills. This unit is of Pennsylvanian to Permian age and forms the top of the Sicker Group, underlying the Karmutsen Volcanics Formation. Thickness is estimated at 300 to 400 m.

Sediment-Sill Unit
This unit does not have an estimated thickness but consists of thinly bedded to massive argillite, siltstone and chert with diabase sills.

Myra Formation
Basic to rhyodacitic banded tuff, breccias and lava thinly bedded to massive argillite, siltstone, and chert overlying the Nitinat Formation. The base of the Myra is defined by the first appearance of bedded volcaniclastic rock.

Nininat Formation
Lavas that are metabasaltic, pillowed or agglomeratic; this unit is marked by large pyroxene phenocrysts and quartz amygdules. Minor tuffs are massive to banded and thickness is estimated at 1500 to 2000 m.

The Cypre River valley's stratigraphic units trend southeast with the most important units on the eastern side being intermediate to felsic pyroclastics, local interbedded argillites and a thick marbleized limestone

(Vande Gutche *et al*., 1989). Visual alteration is reportedly confined to sericitic and pyritic felsic pyroclasics; no significant sulphide showings have been reported on or were observed during the 2010 field program. Folding and extensive faulting of all stratigraphic units complicates a chronological reconstruction of geological events.

2011 GEOCHEMICAL SURVEY:

The 2011 geochemical program was designed to collect and analyze stream sediments and soil samples focusing on the Cypre River drainage basin but including the Bedwell Sound and White Pine areas in an effort to explore new areas as well as to further explore several anomalous copper and gold assay values obtained in the 2010 geochemical survey. A total of 169 samples were collected between November 30, 2011 and December 6, 2011. The personal were quartered at the Weigh West Marine Resort in Tofino from where they commuted by water taxi to the Property. A truck maintained on the Property by the Company was used on forestry roads where possible; the majority of the fieldwork was completed on foot. On December 3, the crew was flown by helicopter to the property from the Long Beach Airport to a portion of the property not accessible by truck or foot.

An 80 mesh screen was used to separate the fine sediments for assay from the larger fraction; water from the creeks was used to wash the sediments through the screen into a collecting device. Sediment samples were collected in soil sample bags, labelled and dried. Each station where sediment or soil was collected in the field was marked with a labelled ribbon. Each sample was rated for quality as poor, ok or good.

A total of 38 stream sediment samples were taken within the Catface NE claims. Samples 535051-535052, and 535054-535055 were taken where drainages from the southeast crossed the Cypre East main line road. Two of these samples include the resampling of the Cu and Au anomalies encountered in the 2010 geochemical survey. Samples 535057-535061, and 535071 were all taken within the same drainage above where the anomalous Au sample was collected in 2010 in an effort to constrain its source. Samples 535071-535078 and 916871-916889 were taken on the northwest side of the Cypre River in drainages from the northwest side of Cypre Valley. These samples were taken to outline new possible areas of interest. Samples 534672-534674 were taken to further explore a smaller Au anomaly in the southwest portion of the claim.

A total of 128 B-horizon soil samples were taken in an effort to delineate a possible gold bearing feature associated with the anomalous Au value obtained in 2010. Two lines, perpendicular to the drainage on two different elevations, were completed, both on the uphill cut bank of an old logging road network.

Two hand samples were taken in the drainage above the Au anomaly and one above the Cu anomaly in areas where visible mineralization existed in exposed out crop.

The locations of the 169 sample taken in 2011 are plotted on figures 5 and 6 and the Cu, Mo, Au and Ag values are shown for each sample location. These drawings also contain the samples collected in the 2010 program.

CONCLUSIONS:

The 2011 geochemical program of sampling creek sediments and soils worked well in further exploring areas of interest identified in the 2010 geochemical survey as well as exploring new areas on the northwest side of the Cypre Valley. By sampling drainages crossing old logging roads along different elevations we were able to rule out large areas for possible Au and Cu sources.

Sediment samples taking in the drainage above the 2010 Au anomaly showed no anomalous values for any metals. Copper values within all sediment samples taken ranged from 44 to 361.2 ppm. Sample 535052, a resample of the 2010 Cu anomaly yielded 182.8 ppm Cu and 160.9 Ni. Furthermore, rock sample 535053 taken approximately 10 m upstream in an outcrop contained 7019.1 ppm Cu, 2904.9 ppm Ni, and 147.4 ppb Au. The soil sampling was unsuccessful in delineating any sources of metals or Au.

RECOMMENDATIONS:

Further exploration should be completed around the area where sample 535053 was taken. Prospecting and sediment sampling should be done upstream and downstream of the showing to constrain the extent of the mineralization. Sediment samples with elevated copper values should also be investigated with additional stream sampling above and below the sample location and by investigating rock outcrops in the vicinity.

Respectfully submitted,

Jason Corlazzoli, B.Sc. GIT.

REFERENCES:

Blackwell, J.D., **1988**; Geology and Rock Geochemistry of the Bedingfield 9, 10, 11 and 19 Claims. Geological Branch Assessment Report No. 17670

Chapman, J. **2004**; Environmental Baseline Report: 2008 Baseline Water Study on the Catface Copper Property.

Grey, P. D. & Knight Piesold Consulting; **2004**; Environmental Baseline Technical Assessment Report on the Catface Copper Property. British Columbia Assessment Report No.27773

Hartmann, S.,**2010**; Geochemical Survey Report on the Catface NE Property, Tenure # 636863, 636864, 636865, 636867, 636883, 705221, and 705242; for Catface Copper Mines Limited.; British Columbia Assessment Report No. 31891

Jackisch, I.; **1987**; Geophysical Report on the UTEM Reconnaissance Survey on the Bedingfield J. V.. Geological Branch Assessment Report No. 16667

McDougall, J. J.: **1976**; Catface; In Porphyry Deposits of the Canadian Cordillera, Part B - Porphyry Copper and Copper-Molybdenum Deposits of the Calc-Alkalic Suite – Special Volume 15, Paper 29, pp. 299-310

Muller, R.R., **1981**; Westmin Resources' Massive Sulphide Deposits, Vancouver Island. In Field Guides to Geology and Mineral Deposits in the Southern Canadian Cordillera

Nilsson, J.W., **2001**; Catface Project, Project Summary. Prepared for Doublestar Resources Ltd. and filed with SEDAR for 43-101

Stewart R., Hendrickson G.; **1989**; VLF-EM, Magnetometer and Induced Polarization Surveys on the Cypre 89-C and Cypre 89-D Claim Zones. British Columbia Assessment Report No. 19766

Vande Guchte M. J, Money D. P. & Stewart R. D.; **1989**; Geological and Geochemical Aurveys of the Cypre 89-C, Cypre 89-D and Cypre 89-E Claim Groupes. British Columbia Assessment Report No. 19330

Vande Guchte M. J. & Stewart R. D.; **1990**; Geologocal and Geochemical Surveys on the Cypre 90-A, Cypre 90-B and Cypre 90-C Claim Groups. British Columbia Assessment Report No. 20561

Statement of Qualifications:

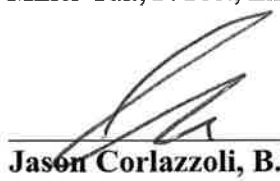
For: Jason Corlazzoli of 403-2323 West 2nd Ave , Vancouver, B.C. V6K 1J4

I graduated from the University of British Columbia with a Bachelor of Sciences Degree in Geology (2010);

I have been practicing my profession as a geologist in mineral exploration continuously since April 2010;

I am a registered member in good standing as a Geoscientist in Training with the Association of Professional Engineers and Geoscientists of British Columbia;

The observations, conclusions and recommendations contained in the report are based on data generated from field work I performed during November and December 2011 while under the supervision of Jim Miller-Tait, P.Geo., Exploration Manager of Catface Copper Mines Limited / Imperial Metals Corporation.



Jason Corlazzoli, B.Sc., GIT.

SECTION B: PROPERTY

Schedule of Mineral Tenures

CATFACE NE PROPERTY - MINERAL TENURES **Date:** **Feb 17 2012**

OWNER: Catface Copper Mines Limited **100.0%** **BC Client No.** **104480** **Tenures** **14**

Units/Cells **301**

Area (ha) **6,334.66**

MINING DIVISION: Alberni **LAND DISTRICT:** Clayoquot

LOCATION: in the Cypre River Valley and the Bedingfield Range 22 km north Tofino, BC

MAP NO. NTS: 92F/05W GEOGRAPHIC COORDINATES: 49° 21.0′ N; 125° 52.0′ W

BCGS: 92F021, 92F031, 92F032 UTM COORDINATES (NAD 83, ZONE 10): 5 470 320 N 291 810 E

Tenure No.	Tenure Type	Claim Name	% Held	Map No.	Record Date	Good To Date	Units/Cells	Area (ha)	Annual Work
636863	Mineral	CC 1	100%	092F031	2009/sep/18	2012/dec 31	25	526.45	$2,105.80
636864	Mineral	CC 2	100%	092F031	2009/sep/18	2012/dec 31	25	526.24	$2,104.96
636865	Mineral	CC 3	100%	092F031	2009/sep/18	2012/dec 31	25	526.23	$2,104.92
636866	Mineral	CC 4	100%	092F031	2009/sep/18	2012/dec 31	25	526.23	$2,104.92
636867	Mineral	CC 5	100%	092F031	2009/sep/18	2012/dec 31	25	526.03	$2,104.12
636883	Mineral	CC 6	100%	092F031	2009/sep/18	2012/dec 31	25	526.04	$2,104.16
636884	Mineral	CC 7	100%	092F031	2009/sep/18	2012/dec 31	25	526.06	$2,104.24
636903	Mineral	CC 8	100%	092F032	2009/sep/18	2012/dec 31	9	189.37	$757.48
636904	Mineral	CC 9	100%	092F031	2009/sep/18	2012/dec 31	25	525.81	$2,103.24
636923	Mineral	CC 10	100%	092F031	2009/sep/18	2012/dec 31	25	525.84	$2,103.36
636924	Mineral	CC 11	100%	092F032	2009/sep/18	2012/dec 31	25	525.86	$2,103.44
636925	Mineral	CC 12	100%	092F032	2009/sep/18	2012/dec 31	9	189.30	$757.20
705221	Mineral	CC 13	100%	092F021	2010/feb/02	2013/dec/31	20	421.33	$1,685.32
705242	Mineral	CC 14	100%	092F021,031	2010/feb/02	2013/dec/31	13	273.87	$1,095.48
Total	**14**						**301**	**6,334.66**	**$25,338.64**

2012 Tenure Maintenance Requirements	**Assessment or Cash-in Lieu**	**$22,557.84**
	Submission Fees (5639.46 ha @ $0.40/ha)	**$2,255.78**
		$24,813.62

Assessment Filing Record:

Filing Date	Event No.	Total Value Filed	Work-C/L	PAC Debit	PAC Credit	Report Due	Report Filed	Approved	Report No.
2010/sep/17	4793652	$25,812.88	$34,285.41	-$8,472.53	$0.00	2010/dec/15	2010/dec/15	2011/mar/29	31891
2011/dec/19	5155971	$18,100.00	$25,356.14	-$7,256.14	$0.00	2012/mar/18			

SECTION C: EXPENDITURES (Catface NE - 2011 Geochemical Survey)

Catface Copper Mines Limired

Catface NE Project **Statement of Expenditures: 2011 Geochemical Sampling Program** **Mar 09 2012**

Item / Contractor	Work	Period	Quantity	Unit	Rate	Amount
Personnel:						
Jim Miller-Tait, P.Geo.	Exploration Manager, general supervision	Nov 29 to Dec 7, 2011	1	days	$550.00	$550.00
Jason Corlazzoli, Geologist	Project supervision	Nov 29 to Dec 7, 2011	9	days	$300.00	$2,700.00
George P. Frank, Field Assistant	Stream sediment sampling	Nov 30 to Dec 05 2011	6	days	$250.00	$1,500.00
Keon Frank, Field Assistant	Stream sediment sampling	Dec 01 to Dec 05 2011	5	days	$190.00	$950.00
Dustin Perry, Geologist	Stream sediment sampling	Nov 29 to Dec 7, 2011	9	days	$300.00	$2,700.00
Subtotal						$8,400.00
Accommodation & Meals:						
Jason Corlazzoli, Geologist	Room and board in Ucluelet	Nov 29 to Dec 7, 2011	8	days	$150.00	$1,200.00
George P. Frank, Field Assistant	Room and board in Tofino	Nov 30 to Dec 05 2011	6	days	$150.00	$900.00
Keon Frank, Field Assistant	Room and board in Tofino	Dec 01 to Dec 05 2011	5	days	$150.00	$750.00
Dustin Perry, Geologist	Room and board in Ucluelet	Nov 29 to Dec 7, 2011	8	days	$150.00	$1,200.00
Subtotal						$4,050.00
Transportation (Freight):						
Clayoquot Wilderness Resort, Tofino	Barge transport of equipment and supplies from Tofino to Hecate Bay	Nov 30 2011	2.0	hours	$200.00	$200.00
Transportation (Air):						
Coulson Aircrane Ltd.	Helicopter transport from Tofino to property	Dec 03 2011	1.5	hours	$1,133.13	$1,699.70
Transportation (Water):						
Tofino Water Taxi	Tofino to Hecate Bay and return	Nov 30 to Dec 6, 2011	11	trips	$150.00	$1,650.00
Transportation (Vehicle):						
Dustin Perry: Pickup truck	Vancouuver to Tofino and return, ferry, Tofino to Ucluelet (7 days)	Nov 29 to Dec 7, 2011	9	days	$72.41	$651.68
Assaying:	1DX 36 element ICP-MS Analysis					
Acme Analytical Laboratories	Stream sediment samples		38	samples	$16.00	$585.01
	Soil Samples		128	samples	$14.20	$2,100.31
	Rock samples		3	samples	$14.00	$60.66
Subtotal						$2,745.98
Drafting:						

Mike Davies, Moonraker Multimedia	GIS work, plans and drill sections	Mar 7, 8, 2012	5	hours	$75.00	$375.00
Report Preparation:						
Jason Corlazzoli, Geologist	Data compilation, report preparation		2	days	$300.00	$600.00
Jim Miller-Tait, P.Geo.	Report and data review and editing		1	days	$550.00	$550.00
Erik Andersen	Data preparation, report editing		6	hours	$42.75	$256.50
Subtotal						$1,406.50
Total						**$21,178.86**

SECTION D: ANALYTICAL REPORTS

1. Analyses carried out by Acme Analytical Laboratories Ltd. of Vancouver, B.C.

File Number	Date of Certificate	No. of Samples	Sample Type	Analytical Procedure
VAN11006925	Dec 31 2011	128	Soil	1DX2
VAN11006926	Dec 23 2011	38	Stream sediment	1DX2
VAN11006927	Dec 24 2011	3	Rock	1DX2
Total		**169**		

1. Statement of Analytical Procedures: 1 data sheet
    - Group 1DX2; Multi-Element (36) Assay by ICP-MS; Aqua Regia Digestion

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

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: December 13, 2011
Report Date: December 31, 2011
Page: 1 of 6

CERTIFICATE OF ANALYSIS VAN11006925.1

CLIENT JOB INFORMATION

Project: CATFACE NE
Shipment ID: CCML2011-1
P.O. Number
Number of Samples: 128

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	128	Dry at 60C			VAN
SS80	128	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	127	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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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200 - 580 Hornby Street
Vancouver BC V6C 3B6 Canada

Project: CATFACE NE
Report Date: December 31, 2011

CERTIFICATE OF ANALYSIS VAN11006925.1

	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
916851	Soil	0.7	140.4	3.8	27	0.1	26.6	9.3	200	4.26	7.2	8.4	0.8	8	0.3	0.2	0.1	153	0.15	0.047	2
916852	Soil	0.9	97.7	8.4	124	<0.1	59.4	26.0	2402	2.84	157.7	4.1	0.5	10	3.7	1.0	0.1	83	0.40	0.109	26
916853	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
916854	Soil	0.4	61.8	6.5	84	<0.1	56.1	23.3	1645	2.11	40.2	2.1	0.4	15	2.7	0.5	<0.1	66	1.63	0.063	16
916855	Soil	0.3	96.8	5.0	97	<0.1	61.3	25.4	1528	2.67	35.3	3.7	0.5	15	3.6	0.8	<0.1	79	1.35	0.078	14
916856	Soil	0.4	233.7	3.4	76	0.2	56.4	24.9	1560	3.27	59.5	6.4	0.4	22	1.9	1.0	<0.1	100	0.76	0.068	9
916857	Soil	0.7	159.4	7.3	75	0.2	46.8	26.3	757	3.38	29.3	4.1	0.6	80	1.0	0.5	<0.1	90	1.17	0.057	5
916858	Soil	0.3	183.9	3.6	57	0.1	38.9	20.0	719	3.09	15.5	3.4	0.4	29	0.9	0.5	<0.1	100	1.39	0.064	6
916859	Soil	0.3	170.4	3.6	56	<0.1	37.0	19.3	560	2.97	9.1	3.6	0.4	36	0.7	0.3	<0.1	95	1.44	0.059	4
916860	Soil	0.6	137.3	2.8	30	<0.1	26.5	19.5	517	2.85	7.1	6.9	0.7	9	0.2	0.3	<0.1	101	0.20	0.093	4
916861	Soil	0.4	198.5	3.7	41	<0.1	35.6	19.8	479	3.48	10.2	5.7	0.6	14	0.1	0.3	<0.1	122	0.38	0.081	3
916862	Soil	0.9	97.4	3.6	24	0.2	15.4	9.2	437	4.20	20.9	4.2	0.5	10	0.1	0.2	<0.1	141	0.19	0.053	4
916863	Soil	3.5	141.6	4.9	44	0.2	22.7	9.7	327	6.19	34.1	34.6	0.9	12	0.1	0.8	0.1	184	0.19	0.072	4
916864	Soil	0.6	87.7	5.0	59	0.1	23.7	7.8	271	2.77	12.2	1.9	1.1	2	0.5	0.4	0.1	64	0.05	0.087	2
916865	Soil	3.4	99.6	6.2	48	0.2	20.3	12.6	739	4.31	19.7	4.2	0.3	10	0.4	1.1	0.2	139	0.14	0.064	4
916866	Soil	2.8	170.6	6.8	76	0.1	49.5	23.8	879	4.10	11.3	4.2	0.6	23	1.1	0.7	0.1	121	0.61	0.061	11
916867	Soil	4.9	184.7	7.1	60	0.2	29.1	17.0	603	4.05	11.7	3.1	0.4	19	0.3	0.8	0.1	148	0.29	0.091	3
916868	Soil	3.6	195.8	5.1	81	0.2	26.7	21.8	813	3.83	18.1	3.3	0.9	9	0.3	0.7	0.1	107	0.15	0.154	5
916869	Soil	2.9	163.0	190.9	81	0.2	40.6	22.3	1040	3.44	14.6	3.9	0.5	25	1.0	1.2	<0.1	99	0.61	0.069	6
916870	Soil	3.4	162.2	7.4	82	0.2	44.1	24.9	1152	3.59	18.7	9.0	0.3	33	1.1	0.9	<0.1	103	0.89	0.070	5
916890	Soil	0.7	92.0	6.1	45	<0.1	33.7	14.5	484	3.24	33.8	2.0	0.4	15	0.5	0.5	<0.1	117	0.47	0.039	4
916891	Soil	2.5	78.8	5.2	39	0.1	30.3	11.1	252	4.81	129.2	3.1	0.8	17	0.2	0.6	<0.1	179	0.47	0.027	3
916892	Soil	0.9	33.2	7.7	14	<0.1	14.1	4.8	105	10.32	6.9	1.9	0.6	6	<0.1	0.8	0.3	379	0.10	0.024	2
916893	Soil	0.9	68.1	4.3	50	0.2	24.2	11.5	332	4.59	135.3	2.0	0.8	14	0.5	0.6	<0.1	156	0.80	0.042	6
916894	Soil	1.0	76.3	4.6	45	0.1	22.3	11.5	353	3.99	41.2	2.1	1.1	7	0.2	0.4	0.1	138	0.13	0.059	2
916895	Soil	0.6	113.0	3.9	42	0.3	56.5	16.0	352	3.85	13.1	2.8	0.7	10	0.5	0.3	<0.1	102	0.29	0.042	3
916896	Soil	1.4	49.1	4.6	38	<0.1	21.8	7.5	172	4.04	20.1	2.3	0.7	10	0.1	0.2	<0.1	117	0.18	0.016	3
916897	Soil	0.7	76.6	4.7	51	0.1	35.1	16.4	982	2.57	52.0	3.7	0.3	17	1.1	0.5	<0.1	74	0.98	0.059	6
916898	Soil	0.8	50.5	4.6	30	0.1	19.6	8.5	682	3.27	21.8	2.1	0.4	8	0.7	0.2	<0.1	116	0.23	0.055	5
916899	Soil	0.3	86.0	4.1	43	<0.1	27.8	15.4	646	2.57	7.1	2.1	0.5	13	0.5	0.2	<0.1	82	0.32	0.046	4

Acme Analytical Laboratories (Vancouver) Ltd.
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200 - 580 Hornby Street
Vancouver BC V6C 3B6 Canada

Project: CATFACE NE
Report Date: December 31, 2011

CERTIFICATE OF ANALYSIS VAN11006925.1

	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
916851	Soil	80	0.55	16	0.328	2	5.95	0.013	<0.01	<0.1	0.16	9.7	<0.1	0.06	11	2.5	<0.2
916852	Soil	74	1.49	80	0.098	3	2.53	0.014	0.01	<0.1	0.10	9.6	<0.1	<0.05	5	0.8	<0.2
916853	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
916854	Soil	57	2.02	38	0.085	2	2.18	0.013	<0.01	0.1	0.10	6.8	<0.1	<0.05	4	0.9	<0.2
916855	Soil	90	2.59	36	0.156	3	2.85	0.015	0.01	<0.1	0.08	8.5	<0.1	0.06	6	1.0	<0.2
916856	Soil	52	1.25	94	0.202	3	2.82	0.032	0.02	<0.1	0.04	6.7	<0.1	<0.05	7	0.5	<0.2
916857	Soil	57	1.12	105	0.202	4	2.98	0.036	0.04	0.1	0.11	5.2	<0.1	<0.05	7	0.9	<0.2
916858	Soil	42	1.23	136	0.178	4	2.32	0.044	0.02	<0.1	0.03	5.4	<0.1	<0.05	7	0.8	<0.2
916859	Soil	42	1.30	128	0.182	3	2.40	0.038	0.02	<0.1	0.03	5.1	<0.1	<0.05	7	<0.5	<0.2
916860	Soil	46	0.67	32	0.279	2	7.04	0.017	0.01	<0.1	0.08	9.5	<0.1	0.05	11	1.6	<0.2
916861	Soil	52	1.01	51	0.272	3	5.55	0.023	0.01	<0.1	0.06	7.6	<0.1	0.05	10	0.9	<0.2
916862	Soil	48	0.38	25	0.259	1	4.66	0.016	0.01	<0.1	0.21	5.0	<0.1	0.05	12	2.4	<0.2
916863	Soil	61	0.65	54	0.359	<1	5.59	0.017	0.02	<0.1	0.22	8.6	<0.1	0.12	15	3.4	<0.2
916864	Soil	55	0.22	24	0.088	<1	8.46	0.007	0.01	<0.1	0.18	10.0	<0.1	0.07	5	2.4	<0.2
916865	Soil	32	0.40	93	0.146	<1	2.96	0.012	0.02	<0.1	0.18	3.1	<0.1	0.06	11	1.5	<0.2
916866	Soil	50	1.13	221	0.178	3	3.82	0.027	0.02	<0.1	0.14	5.9	<0.1	<0.05	10	1.3	<0.2
916867	Soil	45	0.68	139	0.208	3	4.44	0.017	0.02	<0.1	0.17	4.3	<0.1	0.08	10	1.9	<0.2
916868	Soil	50	0.45	122	0.128	2	9.25	0.012	0.01	0.1	0.27	6.8	<0.1	0.07	8	2.4	<0.2
916869	Soil	42	1.10	210	0.133	2	3.01	0.027	0.02	<0.1	0.08	5.1	<0.1	<0.05	8	0.9	<0.2
916870	Soil	49	1.09	326	0.125	2	3.00	0.034	0.03	<0.1	0.11	4.4	<0.1	0.07	8	1.3	<0.2
916890	Soil	59	0.93	43	0.235	3	2.76	0.018	0.02	<0.1	0.10	4.9	<0.1	0.06	8	0.7	<0.2
916891	Soil	109	0.54	23	0.560	<1	3.81	0.014	0.01	<0.1	0.16	5.6	<0.1	0.05	15	2.4	<0.2
916892	Soil	84	0.42	14	0.672	<1	2.19	0.005	0.01	<0.1	0.10	3.5	<0.1	<0.05	34	<0.5	<0.2
916893	Soil	94	0.50	58	0.287	2	4.13	0.010	<0.01	<0.1	0.14	6.5	<0.1	<0.05	11	1.8	<0.2
916894	Soil	72	0.41	24	0.296	2	5.15	0.008	0.01	<0.1	0.20	8.3	<0.1	0.06	11	2.2	<0.2
916895	Soil	89	1.00	55	0.207	2	4.34	0.014	<0.01	<0.1	0.14	5.2	<0.1	<0.05	8	1.5	<0.2
916896	Soil	59	0.76	22	0.272	2	3.16	0.009	0.01	<0.1	0.06	4.2	<0.1	<0.05	10	1.3	<0.2
916897	Soil	58	1.03	60	0.109	2	2.69	0.015	0.01	<0.1	0.11	4.4	<0.1	0.07	6	1.4	<0.2
916898	Soil	50	0.66	21	0.204	1	2.90	0.009	0.01	<0.1	0.18	4.6	<0.1	0.05	9	1.2	<0.2
916899	Soil	33	1.10	33	0.137	1	2.86	0.014	0.02	<0.1	0.05	5.0	<0.1	<0.05	6	<0.5	<0.2

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200 - 580 Hornby Street
Vancouver BC V6C 3B6 Canada

Project: CATFACE NE
Report Date: December 31, 2011

CERTIFICATE OF ANALYSIS VAN11006925.1

	Method	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
916900	Soil	1.2	74.9	3.5	26	0.1	19.7	6.9	131	3.12	39.8	2.4	1.0	6	0.2	0.2	<0.1	98	0.11	0.032	4
917001	Soil	0.5	109.6	7.1	52	<0.1	99.5	21.9	631	3.41	15.0	1.9	0.5	12	0.3	0.3	<0.1	101	0.29	0.061	3
917002	Soil	0.5	59.6	6.0	43	0.3	23.6	13.7	628	3.05	8.5	2.0	0.6	8	0.2	0.2	<0.1	90	0.17	0.064	5
917003	Soil	0.4	90.1	10.7	105	0.1	65.9	25.2	1710	3.27	14.1	4.8	0.5	13	2.4	0.3	<0.1	82	0.39	0.083	12
917004	Soil	0.3	67.2	12.5	123	0.2	71.5	24.7	2374	3.14	15.9	2.9	0.4	10	2.7	0.3	<0.1	80	0.32	0.122	17
917005	Soil	0.5	90.6	8.2	88	<0.1	56.3	24.5	1245	3.28	14.5	5.8	0.3	22	1.0	0.3	<0.1	81	0.34	0.070	6
917006	Soil	0.6	141.0	9.3	94	0.2	69.0	31.4	1515	4.41	12.1	15.3	0.7	33	1.2	0.3	0.3	110	0.48	0.092	8
917007	Soil	0.9	51.1	6.0	28	<0.1	17.7	11.7	1211	8.37	5.0	9.6	1.1	7	<0.1	0.3	0.5	280	0.07	0.101	2
917008	Soil	0.7	21.4	6.6	19	0.3	12.7	5.0	238	4.75	3.3	5.3	0.7	6	<0.1	0.3	0.3	189	0.06	0.046	3
917009	Soil	1.1	108.3	7.4	58	0.1	37.3	14.0	359	4.45	7.6	3.2	0.9	13	0.3	0.2	0.2	120	0.13	0.048	4
917010	Soil	0.7	35.7	6.3	57	0.4	22.1	12.6	573	5.59	8.4	5.6	1.0	8	0.2	0.2	0.2	146	0.06	0.094	2
917011	Soil	1.0	32.1	9.4	35	0.2	26.7	8.7	320	5.86	8.8	3.5	0.7	14	0.2	0.3	0.2	143	0.06	0.048	3
917012	Soil	2.1	84.0	6.6	51	0.2	29.6	12.4	353	4.00	9.6	4.6	0.5	27	0.3	0.3	0.1	116	0.15	0.044	4
917013	Soil	1.5	50.7	5.8	43	0.2	23.6	13.0	405	4.63	7.0	2.9	0.7	10	<0.1	0.3	0.1	159	0.09	0.033	3
917014	Soil	1.3	48.3	6.4	47	0.2	24.8	11.9	444	3.95	8.7	8.1	0.4	14	0.2	0.3	0.1	114	0.17	0.045	3
917015	Soil	0.8	35.5	6.3	25	0.2	22.6	6.7	265	6.44	8.7	7.7	0.8	9	0.2	0.4	0.1	175	0.07	0.043	3
917016	Soil	1.1	37.4	8.8	45	0.2	25.8	10.3	419	6.24	12.6	2.1	0.6	21	0.2	0.3	0.1	126	0.10	0.079	3
917017	Soil	0.8	50.8	8.7	54	<0.1	21.5	9.5	474	4.99	30.1	3.7	1.6	10	0.2	0.3	0.1	87	0.11	0.041	6
917018	Soil	1.4	97.0	7.8	80	0.1	40.2	28.7	1067	4.92	50.8	3.8	0.5	22	0.2	1.2	0.1	106	0.19	0.049	5
917019	Soil	0.9	21.5	5.9	19	0.2	6.4	3.8	175	3.93	9.6	6.6	0.2	5	<0.1	0.7	0.1	131	0.05	0.044	4
917020	Soil	3.4	56.2	6.4	75	<0.1	26.6	17.7	751	4.78	22.5	2.9	1.0	12	0.2	0.4	0.1	123	0.18	0.048	4
917021	Soil	1.7	27.8	5.3	18	<0.1	8.4	4.6	149	5.43	4.1	5.0	0.7	9	<0.1	0.3	0.1	206	0.13	0.027	2
917022	Soil	0.7	40.7	6.5	18	<0.1	10.1	4.7	181	3.89	5.5	3.2	2.3	6	0.1	0.1	<0.1	91	0.09	0.037	1
917023	Soil	1.0	40.8	5.7	23	<0.1	7.7	5.7	221	5.96	5.4	0.8	1.8	6	<0.1	0.2	0.3	167	0.06	0.023	2
917024	Soil	0.5	113.4	4.6	53	<0.1	22.1	16.0	586	3.21	5.2	2.7	0.5	19	0.1	0.2	<0.1	89	0.46	0.063	3
917025	Soil	3.5	56.6	8.9	31	<0.1	12.4	6.4	277	5.33	5.5	4.7	1.5	9	0.1	0.1	0.2	125	0.11	0.048	2
917026	Soil	3.4	57.7	11.7	39	0.1	11.7	12.5	565	3.71	3.7	5.5	0.3	14	0.2	0.2	0.3	65	0.20	0.064	3
917027	Soil	1.5	30.5	5.5	17	<0.1	6.4	4.4	134	4.93	3.1	6.6	0.8	6	<0.1	0.2	0.2	134	0.06	0.024	3
917028	Soil	1.0	39.1	5.2	24	0.1	11.9	6.0	231	4.78	3.8	5.9	1.2	7	<0.1	0.2	0.2	131	0.08	0.024	2
917029	Soil	2.4	63.0	11.9	41	<0.1	11.5	7.9	367	4.68	12.7	4.5	0.8	7	0.3	0.3	0.3	100	0.06	0.072	3

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200 - 580 Hornby Street
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Project: CATFACE NE
Report Date: December 31, 2011

CERTIFICATE OF ANALYSIS VAN11006925.1

	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
916900	Soil	65	0.52	19	0.221	<1	4.81	0.006	<0.01	<0.1	0.17	8.8	<0.1	<0.05	8	2.4	<0.2
917001	Soil	157	1.30	46	0.226	<1	3.53	0.012	0.02	<0.1	0.15	5.3	<0.1	<0.05	8	1.0	<0.2
917002	Soil	63	0.58	23	0.174	3	4.10	0.010	0.01	<0.1	0.21	6.1	<0.1	<0.05	8	1.9	<0.2
917003	Soil	69	1.64	62	0.099	1	2.88	0.009	0.03	<0.1	0.09	8.1	<0.1	<0.05	7	<0.5	<0.2
917004	Soil	77	1.42	43	0.103	1	3.21	0.006	0.02	0.1	0.17	7.9	<0.1	<0.05	6	0.6	<0.2
917005	Soil	73	1.34	64	0.103	2	3.53	0.011	0.02	<0.1	0.16	5.7	<0.1	<0.05	6	0.8	<0.2
917006	Soil	92	1.49	78	0.187	4	4.75	0.015	0.03	0.1	0.16	8.8	<0.1	<0.05	9	0.6	<0.2
917007	Soil	113	0.45	16	0.508	2	3.80	0.010	0.01	0.1	0.15	12.2	<0.1	<0.05	18	1.9	<0.2
917008	Soil	57	0.38	14	0.312	2	2.17	0.008	0.02	<0.1	0.20	3.0	<0.1	<0.05	15	1.3	<0.2
917009	Soil	91	0.92	67	0.189	2	4.54	0.010	0.02	<0.1	0.30	6.9	<0.1	<0.05	9	2.0	<0.2
917010	Soil	105	0.58	23	0.194	1	4.98	0.009	0.02	<0.1	0.22	9.8	<0.1	<0.05	11	1.2	<0.2
917011	Soil	116	0.71	37	0.171	2	2.80	0.011	0.02	0.1	0.23	4.6	<0.1	<0.05	11	2.1	<0.2
917012	Soil	74	0.79	69	0.180	2	3.85	0.012	0.02	<0.1	0.17	5.5	<0.1	<0.05	9	2.0	<0.2
917013	Soil	81	0.53	27	0.224	2	3.77	0.009	0.02	<0.1	0.17	5.9	<0.1	<0.05	11	2.0	<0.2
917014	Soil	73	0.58	42	0.189	2	3.35	0.010	0.02	<0.1	0.21	4.5	<0.1	0.06	9	1.5	<0.2
917015	Soil	118	0.62	20	0.351	2	2.70	0.009	0.02	<0.1	0.29	4.1	<0.1	<0.05	13	2.7	<0.2
917016	Soil	98	0.72	50	0.171	2	3.61	0.013	0.02	<0.1	0.22	4.2	<0.1	<0.05	10	2.0	<0.2
917017	Soil	82	0.56	33	0.197	2	4.75	0.009	0.02	0.1	0.22	7.9	<0.1	<0.05	8	1.3	<0.2
917018	Soil	75	1.09	68	0.120	5	4.21	0.013	0.03	0.1	0.30	9.1	<0.1	<0.05	9	1.1	<0.2
917019	Soil	28	0.21	16	0.060	2	2.13	0.010	0.02	<0.1	0.20	2.8	<0.1	<0.05	12	1.1	<0.2
917020	Soil	58	0.65	34	0.273	2	5.26	0.011	0.02	0.1	0.23	6.0	<0.1	<0.05	11	0.9	<0.2
917021	Soil	47	0.30	14	0.342	<1	2.83	0.010	0.01	<0.1	0.16	3.5	<0.1	<0.05	15	2.5	<0.2
917022	Soil	86	0.44	12	0.332	2	6.90	0.011	0.01	0.2	0.18	15.1	<0.1	<0.05	9	2.0	<0.2
917023	Soil	46	0.43	19	0.252	<1	4.83	0.008	0.02	0.1	0.08	8.2	<0.1	0.06	12	1.9	<0.2
917024	Soil	37	0.89	31	0.162	3	2.74	0.022	0.04	<0.1	0.07	5.0	<0.1	<0.05	7	0.9	<0.2
917025	Soil	59	0.49	13	0.338	2	5.11	0.010	0.02	0.1	0.12	10.2	<0.1	0.11	10	3.2	0.3
917026	Soil	26	0.62	29	0.089	4	2.22	0.010	0.03	<0.1	0.18	2.8	<0.1	0.08	6	3.6	0.2
917027	Soil	38	0.33	14	0.158	1	2.80	0.009	0.01	0.1	0.25	3.2	<0.1	<0.05	11	1.9	<0.2
917028	Soil	46	0.51	14	0.277	<1	3.58	0.017	0.02	0.1	0.15	4.6	<0.1	<0.05	11	2.0	0.2
917029	Soil	40	0.50	20	0.146	2	4.09	0.009	0.03	<0.1	0.27	6.2	<0.1	<0.05	8	2.3	0.2

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Project: CATFACE NE
Report Date: December 31, 2011

CERTIFICATE OF ANALYSIS VAN11006925.1

	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
917030	Soil	2.3	68.3	18.1	54	0.1	10.6	15.7	535	4.20	14.1	3.0	0.5	7	0.6	0.4	0.3	78	0.07	0.086	4
917031	Soil	2.3	64.6	11.8	67	<0.1	21.9	20.5	949	4.47	36.4	7.1	0.6	10	0.3	0.7	0.2	75	0.13	0.053	5
917032	Soil	0.9	43.3	6.7	26	0.2	8.6	9.5	411	3.39	5.8	1.4	0.2	8	0.1	0.2	0.2	82	0.08	0.050	3
917033	Soil	0.4	72.2	5.4	85	<0.1	17.8	20.5	1624	4.25	4.3	2.5	0.5	15	0.2	0.2	<0.1	91	0.09	0.052	5
917034	Soil	0.4	65.7	5.4	81	0.1	18.3	19.3	1034	4.30	3.9	0.5	0.6	14	0.1	0.2	<0.1	92	0.08	0.041	4
917035	Soil	1.4	148.2	12.3	114	0.4	17.1	17.1	666	4.67	80.3	5.4	0.3	47	1.2	2.3	0.2	106	1.06	0.128	5
917036	Soil	1.1	28.2	5.8	20	0.2	3.8	4.0	209	3.75	8.5	<0.5	0.3	6	0.2	0.1	0.1	101	0.06	0.034	2
917037	Soil	0.9	48.7	6.3	35	<0.1	10.6	6.9	326	3.85	18.0	<0.5	0.7	9	<0.1	0.3	0.6	109	0.10	0.035	2
917038	Soil	2.0	32.7	7.6	27	0.1	5.6	4.7	251	4.14	13.5	1.6	0.5	8	0.2	0.3	0.4	90	0.07	0.050	4
917039	Soil	1.0	20.6	6.6	21	0.2	8.2	4.2	211	4.98	6.2	7.2	0.8	6	0.2	0.2	0.2	113	0.05	0.040	4
917040	Soil	0.7	29.2	6.5	43	0.2	20.2	8.6	368	4.90	8.0	1.8	0.9	7	0.2	0.3	0.2	109	0.07	0.036	6
917041	Soil	0.7	55.7	6.7	74	<0.1	33.7	17.8	734	3.81	9.6	4.8	1.0	10	0.3	0.2	0.1	79	0.10	0.026	7
917042	Soil	0.6	20.8	4.9	27	<0.1	9.3	5.0	186	4.66	5.7	1.4	0.9	4	<0.1	0.2	0.2	137	0.04	0.033	4
917043	Soil	0.7	23.3	5.2	22	<0.1	6.1	5.9	224	4.63	3.0	2.5	0.7	5	<0.1	0.1	0.2	131	0.07	0.025	3
917044	Soil	1.3	25.3	7.0	24	0.2	8.1	5.8	230	4.52	3.3	1.6	0.6	8	<0.1	0.2	0.2	115	0.11	0.029	4
917045	Soil	1.0	11.2	9.3	17	<0.1	3.7	3.5	158	3.30	3.3	2.3	0.7	6	<0.1	0.1	0.2	115	0.05	0.025	6
535056	Soil	0.9	119.9	3.0	25	0.2	19.0	8.5	184	4.16	6.4	4.0	0.7	8	0.2	0.2	<0.1	141	0.21	0.044	3
535059	Soil	0.6	59.0	4.1	27	0.2	19.2	8.3	192	4.32	4.7	20.2	0.2	17	<0.1	0.2	0.1	143	0.43	0.034	2
535064	Soil	0.6	81.5	2.4	20	<0.1	18.9	7.0	144	5.90	4.7	3.7	0.7	5	<0.1	0.2	<0.1	202	0.12	0.034	2
535065	Soil	0.6	101.8	2.0	26	0.2	27.1	10.0	209	3.26	6.5	14.6	0.5	7	0.1	0.1	<0.1	103	0.17	0.067	4
535066	Soil	0.4	96.4	2.8	34	<0.1	30.5	10.8	285	3.81	4.3	4.5	0.8	8	0.1	0.1	<0.1	148	0.17	0.053	2
535067	Soil	0.5	108.7	6.4	67	0.2	66.0	22.5	1100	4.69	18.9	95.0	0.8	10	0.5	0.5	0.1	159	0.20	0.074	5
535068	Soil	0.6	114.5	6.2	76	0.1	70.6	28.1	2010	3.44	46.3	4.3	0.6	9	1.0	0.5	<0.1	103	0.29	0.100	9
535069	Soil	0.7	102.7	5.8	63	0.2	77.8	23.1	901	3.68	58.4	5.3	0.4	12	0.6	0.5	<0.1	112	0.52	0.064	8
535070	Soil	0.5	146.9	6.1	115	0.3	242.5	40.0	2409	3.41	31.9	3.5	0.2	19	3.4	1.1	<0.1	92	1.28	0.126	17
535079	Soil	1.7	20.5	4.2	16	<0.1	7.1	5.3	143	5.54	3.7	1.9	1.3	10	<0.1	<0.1	0.1	125	0.15	0.026	3
535080	Soil	0.8	33.0	3.4	34	<0.1	27.1	17.1	257	6.14	4.1	3.1	1.4	9	<0.1	0.1	0.1	121	0.15	0.041	3
535081	Soil	1.1	31.6	3.1	19	<0.1	11.0	5.8	134	4.61	4.1	1.1	0.8	9	<0.1	<0.1	<0.1	105	0.12	0.033	3
535082	Soil	0.2	98.6	4.2	42	<0.1	51.9	23.7	577	3.15	4.1	1.9	1.1	23	0.1	<0.1	<0.1	75	0.80	0.044	3
535083	Soil	0.8	43.0	2.9	17	<0.1	10.3	6.4	160	3.79	3.2	2.1	1.4	9	<0.1	<0.1	<0.1	130	0.14	0.024	3

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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
917030	Soil	37	0.52	26	0.119	4	4.82	0.013	0.04	0.1	0.32	7.6	0.1	<0.05	7	2.3	0.2
917031	Soil	45	0.96	31	0.099	4	2.32	0.007	0.06	<0.1	0.31	4.6	<0.1	0.07	7	1.2	0.2
917032	Soil	28	0.42	19	0.093	3	2.38	0.010	0.03	<0.1	0.25	2.7	<0.1	<0.05	7	2.0	<0.2
917033	Soil	33	1.22	59	0.170	3	3.39	0.011	0.10	<0.1	0.17	6.5	0.2	<0.05	8	<0.5	<0.2
917034	Soil	37	1.27	40	0.173	3	4.05	0.008	0.09	<0.1	0.19	6.3	0.2	<0.05	9	1.4	<0.2
917035	Soil	102	0.53	55	0.089	8	4.40	0.016	0.06	0.3	0.24	7.3	0.2	0.06	9	1.8	<0.2
917036	Soil	19	0.29	12	0.132	4	2.41	0.009	0.02	0.1	0.17	3.2	<0.1	0.06	9	2.0	<0.2
917037	Soil	47	0.57	18	0.263	2	3.56	0.011	0.03	0.2	0.20	6.6	0.2	0.05	9	1.2	<0.2
917038	Soil	27	0.31	18	0.183	2	3.79	0.012	0.02	0.2	0.27	4.7	<0.1	0.05	10	1.5	<0.2
917039	Soil	41	0.36	14	0.181	2	2.73	0.008	0.02	<0.1	0.27	3.3	<0.1	<0.05	12	1.7	<0.2
917040	Soil	77	0.74	31	0.205	5	3.24	0.009	0.03	0.2	0.23	5.3	<0.1	<0.05	11	1.6	<0.2
917041	Soil	72	1.10	47	0.175	3	3.02	0.007	0.05	0.1	0.12	6.7	<0.1	<0.05	8	<0.5	<0.2
917042	Soil	46	0.36	19	0.162	1	3.06	0.004	0.02	<0.1	0.11	6.1	<0.1	0.05	13	<0.5	<0.2
917043	Soil	31	0.38	11	0.173	<1	2.89	0.005	0.02	<0.1	0.19	4.6	<0.1	<0.05	12	0.8	<0.2
917044	Soil	30	0.38	15	0.189	2	2.24	0.005	0.02	<0.1	0.24	3.6	<0.1	<0.05	12	<0.5	<0.2
917045	Soil	22	0.20	8	0.261	1	2.04	0.006	0.02	0.1	0.15	3.4	<0.1	<0.05	13	0.8	<0.2
535056	Soil	59	0.51	21	0.282	2	5.22	0.018	0.01	<0.1	0.26	7.3	<0.1	<0.05	12	1.3	<0.2
535059	Soil	33	0.57	59	0.335	2	1.67	0.023	0.02	<0.1	0.11	2.6	<0.1	0.07	13	1.1	<0.2
535064	Soil	94	0.45	9	0.489	1	4.52	0.010	<0.01	<0.1	0.12	7.7	<0.1	0.11	13	<0.5	<0.2
535065	Soil	78	0.56	10	0.341	2	6.15	0.013	<0.01	<0.1	0.37	8.6	<0.1	<0.05	9	<0.5	<0.2
535066	Soil	91	0.68	13	0.403	1	4.95	0.013	<0.01	<0.1	0.22	9.6	<0.1	<0.05	10	<0.5	<0.2
535067	Soil	123	1.28	26	0.363	2	4.50	0.012	0.02	<0.1	0.18	9.9	<0.1	<0.05	10	0.8	<0.2
535068	Soil	107	1.62	38	0.187	2	4.21	0.011	0.01	<0.1	0.19	9.3	<0.1	<0.05	8	<0.5	<0.2
535069	Soil	127	1.22	40	0.228	2	4.24	0.012	0.01	<0.1	0.20	7.8	<0.1	<0.05	8	1.7	<0.2
535070	Soil	159	2.88	139	0.138	12	2.95	0.025	0.02	<0.1	0.17	7.1	0.1	0.08	6	3.0	<0.2
535079	Soil	53	0.33	11	0.175	2	3.77	0.015	0.02	<0.1	0.16	4.5	<0.1	0.05	14	<0.5	<0.2
535080	Soil	77	0.54	11	0.210	3	5.68	0.015	0.01	<0.1	0.18	5.6	<0.1	0.14	12	<0.5	<0.2
535081	Soil	49	0.32	8	0.194	2	4.03	0.011	0.02	<0.1	0.23	5.6	<0.1	<0.05	9	1.1	<0.2
535082	Soil	34	1.55	36	0.113	5	2.45	0.032	0.02	<0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
535083	Soil	40	0.38	14	0.195	1	4.36	0.012	0.01	<0.1	0.10	7.2	<0.1	0.05	10	<0.5	<0.2

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Client: **Catface Copper Mines Limited**
200 - 580 Hornby Street
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Project: CATFACE NE
Report Date: December 31, 2011

CERTIFICATE OF ANALYSIS VAN11006925.1

	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
535084	Soil	1.4	41.3	5.2	16	<0.1	6.1	4.2	131	4.53	3.4	3.3	1.0	8	<0.1	0.1	0.2	174	0.15	0.026	3
535085	Soil	0.7	38.6	4.0	26	<0.1	13.0	11.2	349	4.94	2.7	2.3	1.2	13	0.3	<0.1	<0.1	160	0.17	0.041	6
535086	Soil	1.2	38.4	5.9	35	<0.1	13.7	12.2	435	5.68	5.0	3.8	1.3	11	0.1	0.2	0.2	180	0.16	0.057	5
535087	Soil	0.3	22.5	12.0	228	<0.1	30.4	21.6	1405	4.76	6.4	1.6	1.5	12	6.3	0.4	0.2	145	0.79	0.098	49
535088	Soil	0.4	37.2	10.6	212	<0.1	54.1	32.2	371	5.18	8.1	2.1	2.3	10	3.7	0.2	0.2	136	0.73	0.118	28
535089	Soil	2.0	80.6	11.9	88	<0.1	33.8	21.9	1002	3.73	8.3	3.2	0.7	22	1.6	0.2	0.1	107	1.47	0.076	9
535090	Soil	0.7	29.3	3.7	20	<0.1	7.1	4.7	128	4.19	3.4	2.4	1.4	5	0.1	0.1	<0.1	139	0.11	0.038	4
535091	Soil	0.9	75.6	4.4	23	0.1	13.1	7.8	235	4.81	4.4	2.6	1.0	11	<0.1	0.2	<0.1	175	0.26	0.040	3
535092	Soil	1.9	37.3	5.0	22	0.2	8.0	5.7	181	6.54	4.3	1.2	1.9	7	<0.1	0.2	0.1	238	0.11	0.037	2
535093	Soil	0.9	27.6	5.5	18	0.1	9.4	4.5	126	6.68	2.7	1.1	1.0	8	0.1	0.2	0.1	216	0.14	0.043	3
535094	Soil	1.6	65.4	6.9	41	<0.1	22.1	7.0	159	6.51	60.2	3.1	1.3	6	0.2	0.5	0.2	246	0.10	0.033	5
535095	Soil	2.7	173.9	4.8	56	0.2	26.5	10.9	267	4.92	46.1	3.9	0.8	13	0.2	0.8	<0.1	145	0.21	0.067	4
535096	Soil	2.7	115.1	6.2	65	0.1	24.2	16.2	1147	5.97	72.5	4.1	1.0	11	0.3	1.1	<0.1	164	0.14	0.105	5
535097	Soil	1.9	62.4	7.0	58	0.2	19.9	10.9	811	5.24	46.8	3.4	0.5	8	0.3	1.1	0.1	175	0.10	0.088	5
535098	Soil	3.5	152.5	6.7	70	0.2	22.3	14.8	577	4.94	69.1	4.2	0.6	8	0.2	1.1	0.1	204	0.12	0.057	4
535099	Soil	2.0	155.5	5.9	64	0.2	26.5	16.3	645	4.32	49.5	10.9	0.4	13	0.3	0.9	<0.1	142	0.21	0.091	4
535100	Soil	2.3	249.9	5.1	101	0.2	45.7	33.1	916	4.55	46.0	10.0	0.6	20	0.6	0.8	<0.1	150	0.42	0.071	5
534651	Soil	0.8	27.2	7.0	59	0.5	15.1	7.2	272	4.01	8.0	1.0	0.7	6	0.3	0.3	<0.1	102	0.17	0.037	4
534652	Soil	1.3	24.5	8.9	83	0.7	37.6	17.6	871	4.05	8.2	3.0	0.5	9	0.5	0.3	0.2	53	0.21	0.065	9
534653	Soil	0.7	110.6	5.6	50	<0.1	30.4	17.6	589	4.19	7.8	6.3	0.7	14	0.2	0.2	<0.1	121	0.42	0.056	4
534654	Soil	0.5	121.4	6.2	45	0.3	28.7	14.4	305	4.82	424.0	2.8	0.8	9	0.9	1.5	0.1	160	0.22	0.047	11
534655	Soil	1.0	64.8	7.8	58	0.3	25.4	11.5	321	3.59	120.9	<0.5	0.7	8	0.3	0.6	<0.1	93	0.28	0.043	7
534656	Soil	0.6	130.5	9.5	124	0.2	65.9	29.6	2600	3.28	81.1	13.8	0.4	10	2.9	1.1	<0.1	91	0.22	0.092	14
534657	Soil	1.0	190.4	10.5	92	0.2	53.1	26.3	1823	3.69	46.5	5.7	0.4	10	1.7	1.0	0.1	116	0.19	0.082	10
534658	Soil	0.8	278.0	8.2	98	<0.1	66.9	32.4	2194	3.91	16.5	6.4	0.7	12	1.3	1.1	0.2	132	0.27	0.105	8
534659	Soil	0.6	172.2	5.7	56	0.1	36.7	20.8	882	3.62	11.7	1.9	0.6	9	0.5	0.7	<0.1	124	0.18	0.066	4
534660	Soil	2.4	266.2	8.6	98	0.4	49.6	33.9	2217	4.51	39.1	6.6	0.4	20	1.3	1.2	0.1	123	0.53	0.091	9
534661	Soil	8.0	173.8	9.8	70	0.4	26.9	11.1	509	5.71	23.4	6.8	0.5	10	0.3	1.5	0.2	162	0.15	0.079	4
534662	Soil	1.1	149.0	8.8	94	0.2	45.9	22.2	989	3.51	9.5	6.6	0.2	34	0.6	0.5	<0.1	102	0.70	0.069	4
534663	Soil	0.6	204.2	7.2	106	0.3	58.7	23.9	1050	3.18	9.4	4.1	0.2	31	1.2	0.3	<0.1	95	1.29	0.073	5

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200 - 580 Hornby Street
Vancouver BC V6C 3B6 Canada

Project: CATFACE NE
Report Date: December 31, 2011

CERTIFICATE OF ANALYSIS VAN11006925.1

	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
535084	Soil	38	0.25	30	0.322	2	2.74	0.013	0.02	<0.1	0.12	5.0	<0.1	0.11	14	<0.5	<0.2
535085	Soil	47	0.35	24	0.245	1	4.06	0.010	0.01	<0.1	0.14	6.5	<0.1	<0.05	12	1.5	<0.2
535086	Soil	62	0.35	74	0.297	2	5.21	0.012	0.02	<0.1	0.24	6.7	<0.1	0.14	14	0.6	<0.2
535087	Soil	38	1.05	36	0.150	2	4.59	0.010	0.02	<0.1	0.29	10.4	<0.1	0.08	11	5.4	<0.2
535088	Soil	53	0.91	34	0.200	2	7.03	0.013	0.02	<0.1	0.23	11.1	<0.1	<0.05	10	<0.5	<0.2
535089	Soil	46	1.01	187	0.147	3	2.94	0.015	0.02	<0.1	0.12	5.6	<0.1	0.07	8	1.3	<0.2
535090	Soil	44	0.25	9	0.198	<1	5.57	0.010	<0.01	<0.1	0.24	7.7	<0.1	0.07	10	<0.5	<0.2
535091	Soil	55	0.46	39	0.275	1	3.52	0.013	0.01	<0.1	0.16	5.7	<0.1	0.06	13	<0.5	<0.2
535092	Soil	60	0.32	27	0.342	1	4.69	0.009	0.01	<0.1	0.19	9.2	<0.1	0.21	16	<0.5	<0.2
535093	Soil	47	0.24	9	0.327	1	3.24	0.008	0.01	<0.1	0.17	4.1	<0.1	0.11	16	<0.5	<0.2
535094	Soil	92	0.52	36	0.313	1	4.39	0.009	0.01	<0.1	0.15	8.2	<0.1	0.05	18	1.1	<0.2
535095	Soil	70	0.75	91	0.250	3	6.40	0.013	0.01	0.2	0.18	8.2	<0.1	0.08	11	<0.5	<0.2
535096	Soil	98	0.81	102	0.213	3	6.84	0.011	0.02	0.1	0.25	10.4	<0.1	0.12	11	0.8	<0.2
535097	Soil	58	0.88	48	0.163	3	3.23	0.010	0.02	<0.1	0.24	4.8	<0.1	0.08	13	1.9	<0.2
535098	Soil	60	0.65	93	0.160	2	4.20	0.011	0.02	<0.1	0.18	6.8	<0.1	0.06	12	<0.5	<0.2
535099	Soil	60	0.84	104	0.153	3	5.30	0.012	0.02	<0.1	0.24	6.3	<0.1	0.10	10	<0.5	<0.2
535100	Soil	65	1.29	158	0.174	4	4.79	0.016	0.01	<0.1	0.16	7.1	<0.1	0.05	10	1.9	<0.2
534651	Soil	26	0.43	26	0.203	3	2.83	0.011	0.03	0.2	0.17	4.5	<0.1	0.14	11	0.7	<0.2
534652	Soil	26	0.58	22	0.076	1	3.67	0.011	0.02	0.3	0.15	5.7	<0.1	0.05	7	1.4	<0.2
534653	Soil	41	0.85	38	0.199	<1	3.73	0.018	0.02	0.2	0.09	5.7	<0.1	<0.05	10	1.7	<0.2
534654	Soil	75	0.53	26	0.352	<1	4.92	0.011	<0.01	0.3	0.11	8.3	<0.1	<0.05	15	3.1	0.2
534655	Soil	52	0.57	27	0.228	<1	5.20	0.009	0.01	0.3	0.18	8.4	<0.1	<0.05	9	3.1	<0.2
534656	Soil	53	1.22	67	0.099	<1	4.91	0.013	0.01	0.3	0.21	7.6	<0.1	<0.05	8	2.1	0.2
534657	Soil	52	1.23	90	0.130	4	4.47	0.012	0.02	0.2	0.25	7.6	<0.1	<0.05	9	2.0	<0.2
534658	Soil	75	1.60	92	0.144	4	4.62	0.012	0.02	0.2	0.15	10.2	<0.1	<0.05	9	<0.5	<0.2
534659	Soil	53	1.02	44	0.205	<1	4.83	0.013	0.01	0.2	0.16	8.1	<0.1	<0.05	10	2.0	0.2
534660	Soil	60	0.93	191	0.123	1	5.26	0.013	0.02	0.2	0.23	7.3	<0.1	<0.05	10	2.6	<0.2
534661	Soil	65	0.64	113	0.161	<1	5.01	0.011	0.02	0.2	0.28	4.9	<0.1	<0.05	13	4.1	<0.2
534662	Soil	58	1.30	145	0.119	<1	3.04	0.026	0.03	0.1	0.14	4.7	<0.1	<0.05	9	2.0	<0.2
534663	Soil	68	1.30	151	0.101	4	3.29	0.042	0.02	0.1	0.10	4.3	<0.1	<0.05	9	2.6	<0.2

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Project: CATFACE NE
Report Date: December 31, 2011

CERTIFICATE OF ANALYSIS VAN11006925.1

	Method	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
534664	Soil	0.7	174.2	7.0	115	0.1	56.5	24.9	742	3.58	10.2	2.2	0.3	25	0.8	0.3	<0.1	113	0.80	0.075	5
534665	Soil	2.6	110.3	6.0	34	0.6	16.7	9.5	412	4.29	43.5	2.5	0.3	13	0.5	0.6	<0.1	140	0.37	0.077	5
534666	Soil	1.6	98.1	6.9	48	0.2	25.3	12.2	649	5.18	32.1	4.4	0.4	9	0.4	0.8	0.1	152	0.16	0.044	4
534667	Soil	0.9	123.2	4.6	39	0.2	24.2	11.4	477	3.53	7.6	2.3	0.5	8	<0.1	0.3	<0.1	136	0.15	0.042	3
534668	Soil	1.3	88.3	5.7	31	0.2	15.0	6.1	163	7.51	23.8	5.7	1.1	6	0.2	0.4	0.1	266	0.12	0.046	3
534669	Soil	0.6	75.3	7.4	92	<0.1	25.0	18.0	1780	3.72	10.4	1.0	0.4	11	<0.1	0.3	0.1	99	0.14	0.072	4
534670	Soil	0.5	76.3	4.7	27	0.2	20.9	10.7	565	3.50	5.4	3.7	0.4	8	0.2	0.3	<0.1	116	0.24	0.081	3
534671	Soil	0.6	233.0	6.2	60	0.1	39.7	23.4	906	5.64	48.3	4.2	0.7	11	0.3	0.4	<0.1	217	0.20	0.056	10

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CERTIFICATE OF ANALYSIS VAN11006925.1

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
534664	Soil	65	1.32	132	0.143	<1	3.32	0.041	0.02	0.1	0.07	5.2	<0.1	<0.05	10	2.3	<0.2
534665	Soil	60	0.46	54	0.234	<1	4.99	0.013	0.01	0.3	0.28	4.7	<0.1	<0.05	12	4.8	<0.2
534666	Soil	60	0.58	42	0.227	<1	4.14	0.012	0.01	<0.1	0.28	5.2	<0.1	<0.05	13	2.9	<0.2
534667	Soil	50	0.65	29	0.331	<1	4.97	0.011	<0.01	<0.1	0.15	6.2	<0.1	<0.05	12	2.8	<0.2
534668	Soil	88	0.36	24	0.367	<1	6.03	0.018	0.02	<0.1	0.27	8.9	<0.1	<0.05	21	3.0	<0.2
534669	Soil	52	0.80	23	0.154	<1	4.32	0.012	0.04	0.1	0.14	6.3	<0.1	<0.05	8	<0.5	<0.2
534670	Soil	50	0.52	17	0.221	<1	4.81	0.021	0.01	<0.1	0.26	5.9	<0.1	<0.05	10	3.5	<0.2
534671	Soil	74	0.88	42	0.474	<1	5.99	0.025	0.01	<0.1	0.10	9.7	<0.1	<0.05	14	1.8	<0.2

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QUALITY CONTROL REPORT VAN11006925.1

	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																					
916859	Soil	0.3	170.4	3.6	56	<0.1	37.0	19.3	560	2.97	9.1	3.6	0.4	36	0.7	0.3	<0.1	95	1.44	0.059	4
REP 916859	QC	0.3	172.7	3.8	55	<0.1	37.1	19.6	573	2.99	8.6	4.1	0.4	35	0.6	0.3	<0.1	95	1.43	0.061	4
917004	Soil	0.3	67.2	12.5	123	0.2	71.5	24.7	2374	3.14	15.9	2.9	0.4	10	2.7	0.3	<0.1	80	0.32	0.122	17
REP 917004	QC	0.3	67.5	12.5	122	0.1	74.0	25.5	2384	3.15	16.3	2.5	0.4	11	3.3	0.3	<0.1	83	0.32	0.129	18
917008	Soil	0.7	21.4	6.6	19	0.3	12.7	5.0	238	4.75	3.3	5.3	0.7	6	<0.1	0.3	0.3	189	0.06	0.046	3
REP 917008	QC	0.8	21.3	6.2	18	0.4	12.4	4.6	227	4.67	3.6	6.5	0.7	6	0.2	0.3	0.3	177	0.05	0.045	3
917040	Soil	0.7	29.2	6.5	43	0.2	20.2	8.6	368	4.90	8.0	1.8	0.9	7	0.2	0.3	0.2	109	0.07	0.036	6
REP 917040	QC	0.6	29.3	6.8	46	0.2	20.2	8.8	322	4.89	7.8	3.0	0.8	7	0.2	0.3	0.1	103	0.07	0.035	5
917044	Soil	1.3	25.3	7.0	24	0.2	8.1	5.8	230	4.52	3.3	1.6	0.6	8	<0.1	0.2	0.2	115	0.11	0.029	4
REP 917044	QC	1.5	27.0	7.7	25	0.2	8.3	6.0	258	4.82	4.7	1.6	0.7	7	<0.1	0.2	0.4	125	0.12	0.033	4
535086	Soil	1.2	38.4	5.9	35	<0.1	13.7	12.2	435	5.68	5.0	3.8	1.3	11	0.1	0.2	0.2	180	0.16	0.057	5
REP 535086	QC	1.2	38.9	6.2	35	0.1	13.1	12.2	445	5.70	4.8	5.7	1.3	12	0.1	0.2	0.2	187	0.15	0.057	5
534660	Soil	2.4	266.2	8.6	98	0.4	49.6	33.9	2217	4.51	39.1	6.6	0.4	20	1.3	1.2	0.1	123	0.53	0.091	9
REP 534660	QC	1.9	263.1	8.3	94	0.4	47.5	32.4	2188	4.24	37.1	6.4	0.4	19	1.1	1.0	0.2	118	0.54	0.088	8
Reference Materials																					
STD DS8	Standard	12.4	104.5	106.8	283	1.6	34.9	6.8	573	2.22	23.8	97.5	6.4	68	2.1	5.1	5.5	38	0.65	0.070	16
STD DS8	Standard	12.5	99.6	118.2	274	1.6	34.4	6.7	559	2.22	23.4	106.1	6.5	74	2.1	6.0	6.2	38	0.62	0.070	15
STD DS8	Standard	11.9	116.0	131.4	335	1.9	39.5	7.9	640	2.52	27.9	119.9	6.9	74	2.1	4.9	7.4	44	0.74	0.080	15
STD DS8	Standard	12.7	99.5	120.6	293	1.7	36.6	7.4	583	2.33	24.2	106.6	6.4	64	2.2	4.5	5.7	40	0.65	0.071	15
STD DS8	Standard	13.7	106.7	121.9	290	1.8	38.5	7.5	580	2.32	23.6	113.3	6.6	60	2.3	5.6	6.0	50	0.68	0.076	16
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
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.03	<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
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	1.0	<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
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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200 - 580 Hornby Street
Vancouver BC V6C 3B6 Canada

Project: CATFACE NE

Report Date: December 31, 2011

QUALITY CONTROL REPORT VAN11006925.1

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																	
916859	Soil	42	1.30	128	0.182	3	2.40	0.038	0.02	<0.1	0.03	5.1	<0.1	<0.05	7	<0.5	<0.2
REP 916859	QC	44	1.37	132	0.176	4	2.39	0.037	0.02	<0.1	0.04	5.0	<0.1	<0.05	7	<0.5	<0.2
917004	Soil	77	1.42	43	0.103	1	3.21	0.006	0.02	0.1	0.17	7.9	<0.1	<0.05	6	0.6	<0.2
REP 917004	QC	81	1.44	44	0.105	1	3.26	0.006	0.02	<0.1	0.20	8.2	<0.1	<0.05	6	<0.5	<0.2
917008	Soil	57	0.38	14	0.312	2	2.17	0.008	0.02	<0.1	0.20	3.0	<0.1	<0.05	15	1.3	<0.2
REP 917008	QC	56	0.36	16	0.299	1	2.11	0.008	0.02	<0.1	0.18	3.0	<0.1	<0.05	14	1.1	<0.2
917040	Soil	77	0.74	31	0.205	5	3.24	0.009	0.03	0.2	0.23	5.3	<0.1	<0.05	11	1.6	<0.2
REP 917040	QC	75	0.66	28	0.157	3	3.19	0.009	0.03	<0.1	0.20	5.4	<0.1	<0.05	11	1.4	<0.2
917044	Soil	30	0.38	15	0.189	2	2.24	0.005	0.02	<0.1	0.24	3.6	<0.1	<0.05	12	<0.5	<0.2
REP 917044	QC	32	0.40	15	0.240	2	2.41	0.005	0.03	<0.1	0.26	3.6	0.2	<0.05	13	1.4	<0.2
535086	Soil	62	0.35	74	0.297	2	5.21	0.012	0.02	<0.1	0.24	6.7	<0.1	0.14	14	0.6	<0.2
REP 535086	QC	63	0.34	75	0.298	2	5.02	0.011	0.02	<0.1	0.24	6.8	<0.1	0.13	14	<0.5	<0.2
534660	Soil	60	0.93	191	0.123	1	5.26	0.013	0.02	0.2	0.23	7.3	<0.1	<0.05	10	2.6	<0.2
REP 534660	QC	61	0.89	192	0.123	2	5.41	0.012	0.02	0.2	0.23	7.6	<0.1	<0.05	10	1.9	<0.2
Reference Materials																	
STD DS8	Standard	110	0.60	256	0.119	3	0.92	0.101	0.41	2.7	0.16	2.2	4.9	0.15	4	5.0	4.2
STD DS8	Standard	107	0.54	273	0.124	3	0.83	0.095	0.38	2.9	0.17	2.3	5.3	0.14	4	5.1	4.2
STD DS8	Standard	123	0.66	259	0.117	3	0.95	0.107	0.42	2.9	0.20	2.2	6.1	0.14	5	5.4	5.7
STD DS8	Standard	114	0.57	270	0.105	2	0.92	0.109	0.40	2.8	0.17	2.3	5.4	0.11	5	5.2	4.6
STD DS8	Standard	124	0.56	273	0.119	3	0.87	0.093	0.38	2.9	0.18	2.5	4.9	0.16	4	4.7	4.8
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
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
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
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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Client: **Catface Copper Mines Limited**
200 - 580 Hornby Street
Vancouver BC V6C 3B6 Canada

Submitted By: Email Distribution List
Receiving Lab: Canada-Vancouver
Received: December 13, 2011
Report Date: December 23, 2011
Page: 1 of 3

CERTIFICATE OF ANALYSIS VAN11006926.1

CLIENT JOB INFORMATION

Project: CATFACE NE
Shipment ID: CCML2011-1
P.O. Number
Number of Samples: 38

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	38	Dry at 60C			VAN
SS80	38	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	35	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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

Project: CATFACE NE
Report Date: December 23, 2011

CERTIFICATE OF ANALYSIS VAN11006926.1

Method		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
535051	Sediment	4.6	85.3	13.2	99	<0.1	46.9	34.0	967	5.10	17.2	6.2	0.7	38	0.2	0.3	0.2	123	0.91	0.052	3
535052	Sediment	1.6	182.8	10.4	92	0.9	160.9	32.9	905	4.90	45.8	14.7	0.7	19	0.4	0.3	0.2	125	0.73	0.044	4
535054	Sediment	1.0	101.3	9.1	127	0.1	69.9	24.2	1529	4.34	66.9	4.4	0.6	15	2.7	0.7	0.1	121	1.05	0.077	17
535055	Sediment	2.8	152.6	11.9	151	<0.1	63.3	28.9	1069	5.55	47.1	2.9	0.4	25	0.7	1.2	<0.1	160	0.84	0.061	4
916871	Sediment	0.9	361.2	10.1	92	0.2	49.0	37.2	977	6.67	9.8	4.0	0.7	26	0.3	0.4	0.1	249	0.32	0.085	4
916872	Sediment	1.3	279.8	16.5	113	0.2	45.0	39.5	1267	5.06	9.2	4.0	0.4	27	0.4	0.4	<0.1	170	0.48	0.098	3
916873	Sediment	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
916874	Sediment	1.1	203.0	9.3	60	0.6	28.3	11.5	281	6.89	8.0	5.3	0.8	39	0.4	0.7	0.1	247	0.13	0.062	5
916875	Sediment	0.9	74.9	12.4	166	<0.1	27.0	34.7	1577	5.97	46.3	<0.5	0.5	71	0.6	0.7	<0.1	137	1.23	0.055	2
916876	Sediment	1.2	44.7	11.1	48	0.1	17.1	21.4	1243	3.83	80.1	4.2	0.6	17	0.2	0.3	<0.1	94	0.52	0.053	4
916877	Sediment	1.3	101.5	12.5	87	0.1	40.6	24.4	1325	4.51	80.0	3.1	0.5	21	0.5	1.5	<0.1	119	0.79	0.046	5
916878	Sediment	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
916879	Sediment	0.9	44.0	12.5	74	<0.1	27.9	15.7	1078	3.37	69.2	1.0	0.8	10	1.0	1.7	<0.1	80	0.49	0.028	6
916880	Sediment	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
916881	Sediment	4.5	193.2	11.4	123	0.2	55.1	25.0	737	5.40	28.7	<0.5	0.6	21	0.7	1.0	<0.1	184	0.65	0.082	5
916882	Sediment	3.1	150.2	8.8	81	0.3	38.2	27.3	1039	4.27	23.7	25.1	0.3	21	0.5	0.5	<0.1	147	0.40	0.073	4
916883	Sediment	2.1	143.2	9.2	132	0.1	57.0	28.8	1240	4.91	52.0	1.8	0.3	22	1.0	1.3	<0.1	139	0.84	0.069	4
916884	Sediment	6.9	187.4	10.6	158	0.2	40.9	17.0	586	4.50	41.1	16.2	0.6	27	1.6	1.1	0.1	153	0.87	0.074	3
916885	Sediment	3.5	69.8	7.3	342	0.1	40.2	14.6	787	3.42	16.7	1.3	0.4	14	3.0	0.5	<0.1	121	0.48	0.019	2
916886	Sediment	9.7	218.4	11.0	131	0.2	48.0	24.7	799	5.13	44.1	7.1	0.8	37	0.8	1.4	0.1	160	1.03	0.101	4
916887	Sediment	9.4	211.5	9.1	78	0.3	36.1	15.3	536	4.94	25.3	9.3	0.7	15	0.3	1.0	0.1	204	0.26	0.083	3
916888	Sediment	7.3	226.8	10.7	107	0.1	45.5	24.1	830	4.75	23.4	6.9	0.5	23	0.5	0.8	0.1	159	0.60	0.064	3
916889	Sediment	1.1	162.5	9.7	114	0.1	56.9	25.5	1416	4.23	50.1	4.3	0.6	28	2.6	4.7	<0.1	121	3.33	0.114	12
535057	Sediment	0.5	74.7	8.6	113	0.2	63.4	19.4	1592	2.02	37.4	1.9	0.2	21	3.5	1.0	<0.1	57	2.54	0.108	15
535058	Sediment	0.5	123.7	8.4	97	<0.1	65.1	31.5	976	4.08	26.8	2.2	0.3	23	0.6	0.6	<0.1	133	1.26	0.049	3
535060	Sediment	1.0	140.0	10.2	138	0.1	73.2	36.3	1210	4.36	232.9	1.5	0.2	36	0.8	4.7	<0.1	119	1.09	0.058	4
535061	Sediment	0.3	61.9	2.8	46	<0.1	42.1	13.6	388	1.78	20.1	1.0	0.2	6	0.4	0.5	<0.1	52	0.28	0.032	2
535071	Sediment	0.5	78.8	5.1	66	<0.1	51.1	18.4	736	2.92	45.7	2.2	0.4	22	0.7	0.5	<0.1	92	2.57	0.044	4
535072	Sediment	5.7	205.0	9.6	142	0.2	52.2	27.1	863	4.63	116.2	5.4	0.9	31	0.4	1.1	0.2	193	0.46	0.131	5
535073	Sediment	1.0	113.2	13.7	102	0.2	50.3	24.9	1586	4.09	89.3	4.7	0.5	27	1.1	2.2	<0.1	93	0.85	0.060	8

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Project: CATFACE NE
Report Date: December 23, 2011

CERTIFICATE OF ANALYSIS VAN11006926.1

	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
535051	Sediment	46	2.36	219	0.165	6	3.50	0.015	0.03	<0.1	0.03	4.4	<0.1	<0.05	9	<0.5	<0.2
535052	Sediment	148	2.47	105	0.186	6	4.20	0.018	0.02	0.1	0.07	4.3	<0.1	<0.05	10	<0.5	0.2
535054	Sediment	74	1.55	116	0.149	4	3.91	0.014	0.02	0.1	0.16	6.4	<0.1	<0.05	9	<0.5	<0.2
535055	Sediment	78	2.03	170	0.240	4	3.40	0.018	0.02	0.1	0.04	6.1	<0.1	<0.05	11	<0.5	<0.2
916871	Sediment	72	1.28	362	0.435	3	4.91	0.014	0.02	<0.1	0.15	8.8	<0.1	<0.05	17	<0.5	<0.2
916872	Sediment	52	1.19	144	0.428	6	3.88	0.014	0.02	<0.1	0.14	5.5	<0.1	<0.05	13	<0.5	<0.2
916873	Sediment	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
916874	Sediment	90	0.69	55	0.347	2	4.74	0.008	0.02	<0.1	0.27	5.6	<0.1	<0.05	20	<0.5	<0.2
916875	Sediment	36	1.80	56	0.140	<1	4.42	0.015	0.06	0.1	0.03	8.6	<0.1	<0.05	11	<0.5	<0.2
916876	Sediment	38	0.53	49	0.138	2	4.04	0.011	0.02	<0.1	0.16	5.0	<0.1	<0.05	9	<0.5	<0.2
916877	Sediment	58	1.32	103	0.181	3	3.53	0.022	0.04	<0.1	0.14	6.0	<0.1	<0.05	10	<0.5	<0.2
916878	Sediment	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
916879	Sediment	41	0.91	89	0.100	2	2.02	0.015	0.04	<0.1	0.07	3.5	<0.1	<0.05	7	<0.5	<0.2
916880	Sediment	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
916881	Sediment	76	1.87	175	0.256	3	3.02	0.015	0.04	0.1	0.08	7.1	<0.1	<0.05	12	<0.5	<0.2
916882	Sediment	58	1.05	148	0.214	3	3.12	0.013	0.02	<0.1	0.16	4.5	<0.1	<0.05	11	<0.5	<0.2
916883	Sediment	72	1.88	181	0.197	3	3.45	0.014	0.02	0.1	0.05	5.3	<0.1	<0.05	10	<0.5	<0.2
916884	Sediment	50	1.16	334	0.191	4	2.60	0.018	0.03	0.1	0.08	4.0	<0.1	<0.05	9	<0.5	0.3
916885	Sediment	42	0.93	152	0.220	1	2.01	0.018	0.02	<0.1	0.03	3.3	0.1	<0.05	8	<0.5	<0.2
916886	Sediment	51	1.51	330	0.211	2	3.06	0.017	0.04	0.1	0.04	6.0	<0.1	<0.05	9	<0.5	<0.2
916887	Sediment	49	0.93	134	0.228	1	3.99	0.014	0.02	<0.1	0.17	5.8	<0.1	<0.05	13	<0.5	<0.2
916888	Sediment	51	1.28	308	0.218	2	3.50	0.017	0.03	<0.1	0.09	4.9	<0.1	<0.05	11	<0.5	<0.2
916889	Sediment	45	2.90	238	0.167	3	2.84	0.020	0.03	0.1	0.12	6.8	<0.1	0.06	8	<0.5	<0.2
535057	Sediment	64	2.47	96	0.054	5	1.89	0.012	0.02	<0.1	0.12	5.0	<0.1	0.06	4	1.7	<0.2
535058	Sediment	83	1.87	35	0.319	3	2.98	0.022	0.02	<0.1	0.05	5.2	<0.1	<0.05	9	<0.5	<0.2
535060	Sediment	90	1.60	142	0.189	3	3.70	0.019	0.03	<0.1	0.10	6.6	<0.1	<0.05	9	<0.5	<0.2
535061	Sediment	61	0.94	28	0.083	<1	1.23	0.007	<0.01	<0.1	0.02	3.3	<0.1	<0.05	3	<0.5	<0.2
535071	Sediment	57	2.15	41	0.203	2	2.25	0.017	0.02	<0.1	0.04	4.4	<0.1	<0.05	6	<0.5	<0.2
535072	Sediment	60	1.51	364	0.228	1	3.83	0.012	0.03	<0.1	0.15	6.2	0.2	<0.05	11	<0.5	<0.2
535073	Sediment	70	1.40	121	0.086	3	3.38	0.022	0.05	<0.1	0.13	6.2	<0.1	<0.05	9	<0.5	<0.2

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Catface Copper Mines Limited**
200 - 580 Hornby Street
Vancouver BC V6C 3B6 Canada

Project: CATFACE NE
Report Date: December 23, 2011

CERTIFICATE OF ANALYSIS VAN11006926.1

Method		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
535074	Sediment	1.6	125.5	7.7	86	0.3	40.7	23.4	1912	4.32	85.1	3.4	0.4	18	1.4	1.1	<0.1	125	0.45	0.079	7
535075	Sediment	6.0	320.2	14.8	123	0.2	48.3	33.2	1148	5.90	29.5	6.1	0.7	36	0.9	1.1	0.1	185	0.74	0.079	6
535076	Sediment	1.6	186.6	13.8	159	0.4	67.8	32.3	1908	4.61	34.3	13.1	0.6	33	3.3	1.2	<0.1	148	3.50	0.123	16
535077	Sediment	11.2	197.9	11.7	195	0.3	57.9	25.6	824	4.71	50.4	7.3	1.3	34	0.6	1.6	0.1	247	0.57	0.228	5
535078	Sediment	1.3	241.4	10.6	89	0.2	41.2	34.9	1018	6.44	24.2	8.9	0.6	23	0.4	0.4	0.2	185	0.45	0.076	4
534672	Sediment	0.7	71.0	6.9	74	<0.1	37.1	19.6	746	3.91	8.8	3.4	0.6	59	0.6	0.2	<0.1	92	4.81	0.065	5
534673	Sediment	0.6	138.2	9.6	80	<0.1	30.2	19.1	800	3.77	5.3	8.7	0.6	20	0.3	0.2	0.2	116	0.80	0.067	3
534674	Sediment	0.4	125.9	8.4	78	<0.1	30.5	17.5	688	3.53	6.5	5.0	0.9	28	0.3	0.2	0.1	93	1.29	0.068	4

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

Project: CATFACE NE
Report Date: December 23, 2011

CERTIFICATE OF ANALYSIS VAN11006926.1

	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
535074	Sediment	61	0.97	197	0.155	2	4.11	0.016	0.03	<0.1	0.17	6.0	<0.1	<0.05	11	<0.5	<0.2
535075	Sediment	67	1.75	418	0.324	3	4.26	0.015	0.04	0.6	0.09	8.2	<0.1	<0.05	14	<0.5	<0.2
535076	Sediment	72	3.62	255	0.204	6	3.76	0.011	0.03	<0.1	0.27	9.6	<0.1	<0.05	10	<0.5	<0.2
535077	Sediment	57	1.68	588	0.201	2	3.41	0.012	0.03	0.1	0.18	6.4	0.2	<0.05	10	<0.5	<0.2
535078	Sediment	58	1.33	159	0.355	2	4.03	0.013	0.03	<0.1	0.16	6.9	<0.1	0.31	13	<0.5	<0.2
534672	Sediment	85	2.88	68	0.197	7	3.23	0.017	0.05	0.1	0.06	7.0	<0.1	<0.05	8	<0.5	<0.2
534673	Sediment	42	1.40	64	0.236	8	2.82	0.020	0.10	0.2	0.04	5.4	<0.1	0.06	9	<0.5	<0.2
534674	Sediment	44	1.24	63	0.160	10	2.87	0.024	0.08	<0.1	0.06	5.3	<0.1	<0.05	8	<0.5	<0.2

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200 - 580 Hornby Street
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Project: CATFACE NE
Report Date: December 23, 2011

QUALITY CONTROL REPORT VAN11006926.1

	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																					
916876	Sediment	1.2	44.7	11.1	48	0.1	17.1	21.4	1243	3.83	80.1	4.2	0.6	17	0.2	0.3	<0.1	94	0.52	0.053	4
REP 916876	QC	1.1	45.0	11.2	49	<0.1	18.1	21.1	1211	3.82	83.5	5.4	0.6	18	0.2	0.4	<0.1	92	0.53	0.053	4
535060	Sediment	1.0	140.0	10.2	138	0.1	73.2	36.3	1210	4.36	232.9	1.5	0.2	36	0.8	4.7	<0.1	119	1.09	0.058	4
REP 535060	QC	1.1	137.0	10.8	135	0.1	73.7	36.7	1237	4.40	237.7	4.5	0.2	36	0.8	5.0	<0.1	123	1.17	0.062	4
534673	Sediment	0.6	138.2	9.6	80	<0.1	30.2	19.1	800	3.77	5.3	8.7	0.6	20	0.3	0.2	0.2	116	0.80	0.067	3
REP 534673	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
Reference Materials																					
STD DS8	Standard	12.9	107.0	128.5	315	1.8	37.7	7.5	596	2.44	27.2	115.6	7.1	62	2.2	5.2	6.5	40	0.68	0.082	14
STD DS8	Standard	13.3	109.7	125.7	314	1.9	38.6	7.7	614	2.56	28.9	117.7	6.7	65	2.3	5.3	6.3	42	0.69	0.080	15
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
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	0.02	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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200 - 580 Hornby Street
Vancouver BC V6C 3B6 Canada

Project: CATFACE NE
Report Date: December 23, 2011

QUALITY CONTROL REPORT VAN11006926.1

	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																	
916876	Sediment	38	0.53	49	0.138	2	4.04	0.011	0.02	<0.1	0.16	5.0	<0.1	<0.05	9	<0.5	<0.2
REP 916876	QC	38	0.55	50	0.169	1	4.16	0.011	0.03	<0.1	0.16	5.4	<0.1	<0.05	9	<0.5	<0.2
535060	Sediment	90	1.60	142	0.189	3	3.70	0.019	0.03	<0.1	0.10	6.6	<0.1	<0.05	9	<0.5	<0.2
REP 535060	QC	91	1.67	141	0.190	4	3.66	0.019	0.03	<0.1	0.10	6.8	<0.1	<0.05	9	<0.5	<0.2
534673	Sediment	42	1.40	64	0.236	8	2.82	0.020	0.10	0.2	0.04	5.4	<0.1	0.06	9	<0.5	<0.2
REP 534673	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
Reference Materials																	
STD DS8	Standard	123	0.59	249	0.103	2	0.87	0.089	0.41	2.9	0.18	1.9	5.6	0.16	5	4.6	4.8
STD DS8	Standard	121	0.63	274	0.115	2	0.96	0.102	0.44	3.0	0.20	2.0	5.6	0.16	5	4.4	5.2
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
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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Client: **Catface Copper Mines Limited**
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Submitted By: Email Distribution List
Receiving Lab: Canada-Vancouver
Received: December 13, 2011
Report Date: December 24, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN11006927.1

CLIENT JOB INFORMATION

Project:	CATFACE NE
Shipment ID:	CCML2011-1
P.O. Number	
Number of Samples:	3

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	3	Crush, split and pulverize 250 g rock to 200 mesh			VAN
1DX2	3	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

STOR-PLP	Store After 90 days Invoice for Storage
DISP-RJT	Dispose of Reject After 90 days

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

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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: CATFACE NE
Report Date: December 24, 2011

CERTIFICATE OF ANALYSIS VAN11006927.1

Method		WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	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
535053	Rock	0.52	0.4	7019	1.8	42	2.1	2905	78.9	238	4.17	4.3	147.4	0.2	18	1.5	0.2	0.2	77	1.33	0.069
535062	Rock	0.57	<0.1	65.1	0.3	36	<0.1	74.4	21.7	531	3.36	66.8	5.8	<0.1	60	0.3	1.7	<0.1	87	12.02	0.021
535063	Rock	0.46	<0.1	61.3	0.7	49	<0.1	96.1	31.7	590	4.93	8.1	<0.5	<0.1	56	0.2	0.4	<0.1	150	4.92	0.015

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CERTIFICATE OF ANALYSIS VAN11006927.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	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	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
535053	Rock	2	32	1.07	56	0.119	3	1.80	0.079	0.03	<0.1	0.01	2.7	<0.1	1.93	3	4.2	2.3
535062	Rock	1	118	3.39	16	0.006	3	2.88	0.002	0.07	<0.1	0.01	10.6	0.2	<0.05	4	0.8	<0.2
535063	Rock	<1	173	7.73	14	0.002	7	5.12	<0.001	0.03	<0.1	0.01	19.7	<0.1	0.10	7	0.9	<0.2

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Catface Copper Mines Limited**
200 - 580 Hornby Street
Vancouver BC V6C 3B6 Canada

Project: CATFACE NE
Report Date: December 24, 2011

QUALITY CONTROL REPORT VAN11006927.1

	Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	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
Pulp Duplicates																					
535062	Rock	0.57	<0.1	65.1	0.3	36	<0.1	74.4	21.7	531	3.36	66.8	5.8	<0.1	60	0.3	1.7	<0.1	87	12.02	0.021
REP 535062	QC		<0.1	62.4	0.5	36	<0.1	68.7	20.9	515	3.37	68.5	4.7	<0.1	60	0.2	1.8	<0.1	88	12.01	0.020
Reference Materials																					
STD DS8	Standard		12.4	117.7	128.7	318	1.9	32.7	7.4	588	2.42	28.0	132.3	6.5	63	2.4	5.7	7.6	42	0.68	0.082
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
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
Prep Wash																					
G1	Prep Blank	<0.01	<0.1	2.7	2.5	43	<0.1	2.6	4.4	524	1.95	0.8	<0.5	4.9	57	<0.1	<0.1	<0.1	37	0.49	0.073

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200 - 580 Hornby Street
Vancouver BC V6C 3B6 Canada

Project: CATFACE NE
Report Date: December 24, 2011

QUALITY CONTROL REPORT VAN11006927.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	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	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																		
535062	Rock	1	118	3.39	16	0.006	3	2.88	0.002	0.07	<0.1	0.01	10.6	0.2	<0.05	4	0.8	<0.2
REP 535062	QC	1	114	3.43	16	0.002	4	2.91	0.001	0.07	<0.1	0.01	11.1	<0.1	<0.05	4	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	15	115	0.62	276	0.115	3	0.91	0.083	0.42	3.1	0.18	1.9	5.7	0.17	5	6.4	5.9
STD DS8 Expected		14.6	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
BLK	Blank	<1	<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
Prep Wash																		
G1	Prep Blank	11	9	0.51	137	0.120	<1	0.98	0.086	0.48	0.5	<0.01	1.7	0.3	<0.05	5	<0.5	<0.2

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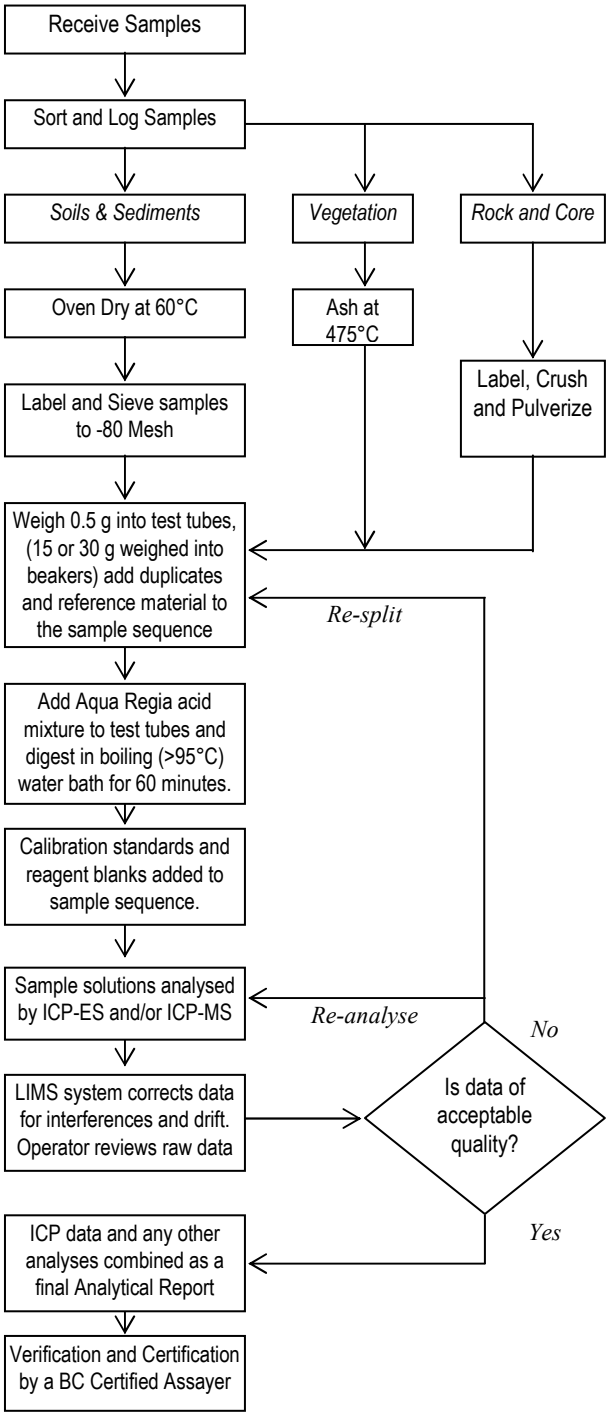
METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 1D & 1DX – ICP & ICP-MS ANALYSIS – AQUA REGIA

Analytical Process



Comments

Sample Preparation

All samples are dried at 60°C. Soil and sediment are sieved to -80 mesh (-180 μm). Moss-mats are disaggregated then sieved to yield -80 mesh sediment. Vegetation is pulverized or ashed (475°C). Rock and drill core is jaw crushed to 80% passing 10 mesh (2 mm), a 250 g riffle split is then pulverized to 85% passing 200 mesh (75 μm) in a mild-steel ring-and-puck mill. Pulp splits of 0.5 g are weighed into test tubes, 15 and 30 g splits are weighed into beakers.

Sample Digestion

A modified Aqua Regia solution of equal parts concentrated ACS grade HCl and HNO_3 and de-mineralised H_2O is added to each sample to leach for one hour in a heating block or hot water bath (>95°C). After cooling the solution is made up to final volume with 5% HCl. Sample weight to solution volume is 1 g per 20 mL.

Sample Analysis

Group 1D: solutions aspirated into a Spectro Ciros Vision or Varian 735 emission spectrometer are analysed for 30 elements: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, Th, Ti, U, V, W, Zn.

Group 1DX: solutions aspirated into a Perkin Elmer Elan 6000/9000 ICP mass spectrometer are analysed for 36 elements: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, *Ga*, *Hg*, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, *S*, Sb, *Sc*, *Se*, *Tl*, Sr, Th, Ti, U, V, W, Zn.

Quality Control and Data Verification

QA/QC protocol incorporates a sample-prep blank (G-1) as the first sample in the job which is carried through all stages of preparation to analysis. An Analytical Batch comprises 36 client samples and incorporates a pulp duplicate to monitor analytical precision, a -10 mesh rejects duplicate to monitor sub-sampling variation (drill core only), a reagent blank to measure background and aliquots of in-house Reference Material like STD DS7. Data undergoes a final verification by a British Columbia Certified Assayer who then validates results before it is released to the client.

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Group 1D, 1DX ICP-ES & ICP-MS DETECTION LIMITS

	Group 1D Detection	Group 1DX Detection	Upper Limit
Ag	0.3 ppm	0.1 ppm	100 ppm
Al*	0.01 %	0.01 %	10 %
As	2 ppm	0.5 ppm	10000 ppm
Au	2 ppm	0.5 ppb	100 ppm
B*^	20 ppm	20 ppm	2000 ppm
Ba*	1 ppm	1 ppm	10000 ppm
Bi	3 ppm	0.1 ppm	2000 ppm
Ca*	0.01 %	0.01 %	40 %
Cd	0.5 ppm	0.1 ppm	2000 ppm
Co	1 ppm	0.1 ppm	2000 ppm
Cr*	1 ppm	1 ppm	10000 ppm
Cu	1 ppm	0.1 ppm	10000 ppm
Fe*	0.01 %	0.01 %	40 %
Ga*	-	1 ppm	1000 ppm
Hg	1 ppm	0.01 ppm	100 ppm
K*	0.01 %	0.01 %	10 %
La*	1 ppm	1 ppm	10000 ppm
Mg*	0.01 %	0.01 %	30 %
Mn*	2 ppm	1 ppm	10000 ppm
Mo	1 ppm	0.1 ppm	2000 ppm
Na*	0.01 %	0.001 %	10 %
Ni	1 ppm	0.1 ppm	10000 ppm
P*	0.001 %	0.001 %	5 %
Pb	3 ppm	0.1 ppm	10000 ppm
S	-	0.05 %	10 %
Sb	3 ppm	0.1 ppm	2000 ppm
Sc	-	0.1 ppm	100 ppm
Se	-	0.5 ppm	100 ppm
Sr*	1 ppm	1 ppm	10000 ppm
Th*	2 ppm	0.1 ppm	2000 ppm
Ti*	0.01 %	0.001 %	10 %
Tl	5 ppm	0.1 ppm	1000 ppm
U*	8 ppm	0.1 ppm	2000 ppm
V*	1 ppm	2 ppm	10000 ppm
W*	2 ppm	0.1 ppm	100 ppm
Zn	1 ppm	1 ppm	10000 ppm

* Solubility of some elements will be limited by mineral species present.
^Detection limit = 1 ppm for 15g / 30g analysis.

SECTION E: SAMPLING DATA

SAMPLE DESCRIPTIONS

1. B-Horizon Soil

2. Stream Sediment

3. Rock

CATFACE NE PROPERTY: 2011 GEOCHEMICAL SAMPLING PROGRAM

Sample Type: **B-horizon soil**						
Sampled by: Sampled by: **Jason Corlazzoli, George Frank, and Dustin Perry**						
Location: Cypre River Valley						
All sampling locations are identified by labeled dark red or pink flagging						
Datum: UTM NAD 83, Zone 10						
Lab / Job Number: Acme Analytical Laboratories Ltd. / VAN11006925						
Field ID	**ACME #**	**Date**	**Easting**	**Northing**	**Sample Quality**	**Comments**
916851	916851	Dec 1,2011	292109	5468350	good	
916852	916852	Dec 1,2011	292116	5468345	good	
916853	916853	Dec 1,2011	292120	5468361	good	
916854	916854	Dec 1,2011	292127	5468383	good	
916855	916855	Dec 1,2011	292151	5468414	poor	possibly road material
916856	916856	Dec 1,2011	292136	5468437	good	
916857	916857	Dec 1,2011	292129	5468478	good	
916858	916858	Dec 1,2011	292120	5468504	poor	some organics mixed throughout
916859	916859	Dec 1,2011	292111	5468513	poor	pebbly/sandy
916860	916860	Dec 1,2011	292081	5468532	good	
916861	916861	Dec 1,2011	292056	5468556	good	
916862	916862	Dec 1,2011	292083	5468570	good	
916863	916863	Dec 1,2011	292077	5468600	good	
916864	916864	Dec 1,2011	292085	5468636	good	
916865	916865	Dec 1,2011	292073	5468660	good	
916866	916866	Dec 1,2011	292073	5468681	good	
916867	916867	Dec 1,2011	292066	5468721	good	
916868	916868	Dec 1,2011	292055	5468749	good	
916869	916869	Dec 1,2011	292037	5468793	poor	
916870	916870	Dec 1,2011	292022	5468821	good	
916890	916890	Dec 5,2011	291890	5468313	good	
916891	916891	Dec 5,2011	291724	5468288	good	
916892	916892	Dec 5,2011	291732	5468263	good	
916893	916893	Dec 5,2011	291716	5468225	good	
916894	916894	Dec 5,2011	291723	5468192	good	
916895	916895	Dec 5,2011	291722	5468167	good	
916896	916896	Dec 5,2011	291706	5468119	good	

916897	916897	Dec 5,2011	291704	5468088	good	
916898	916898	Dec 5,2011	291692	5468067	good	
916899	916899	Dec 5,2011	291695	5467995	good	
916900	916900	Dec 5,2011	291691	5467968	good	
917001	917001	Dec 5,2011	291689	5467921	good	
917002	917002	Dec 5,2011	291662	5467868	good	
917003	917003	Dec 5,2011	291644	5467820	good	
917004	917004	Dec 5,2011	291617	5467778	good	
917005	917005	Dec 5,2011	291616	5467730	good	
917006	917006	Dec 5,2011	291623	5467650	good	
917007	917007	Dec 5,2011	291594	5467610	good	
917008	917008	Dec 5,2011	291558	5467581	good	
917009	917009	Dec 5,2011	291540	5467531	good	
917010	917010	Dec 6,2011	291517	5467473	good	
917011	917011	Dec 6,2011	291490	5467418	good	
917012	917012	Dec 6,2011	291471	5467368	good	
917013	917013	Dec 6,2011	291444	5467334	good	
917014	917014	Dec 6,2011	291400	5467301	good	
917015	917015	Dec 6,2011	291015	5467255	good	
917016	917016	Dec 6,2011	291355	5467194	good	
917017	917017	Dec 6,2011	291338	5467154	good	
917018	917018	Dec 6,2011	291309	5467108	good	
917019	917019	Dec 6,2011	291267	5467067	good	
917020	917020	Dec 6,2011	291242	5467021	good	
917021	917021	Dec 6,2011	291217	5466985	good	
917022	917022	Dec 6,2011	291178	5466943	good	
917023	917023	Dec 6,2011	291147	5466910	good	
917024	917024	Dec 6,2011	291109	5466882	good	
917025	917025	Dec 6,2011	291068	5466859	good	
917026	917026	Dec 6,2011	291040	5466791	good	
917027	917027	Dec 6,2011	291012	5466763	good	
917028	917028	Dec 6,2011	290981	5466728	good	
917029	917029	Dec 6,2011	290930	5466701	good	
917030	917030	Dec 6,2011	290882	5466671	good	
917031	917031	Dec 6,2011	290850	5466639	good	
917032	917032	Dec 6,2011	290833	5466585	good	

917033	917033	Dec 6,2011	290795	5466529	good	
917034	917034	Dec 6,2011	290768	5466449	good	
917035	917035	Dec 6,2011	290709	5466441	good	
917036	917036	Dec 6,2011	290639	5466400	good	
917037	917037	Dec 6,2011	290603	5466452	good	
917038	917038	Dec 6,2011	290555	5466490	good	
917039	917039	Dec 6,2011	290480	5466461	good	
917040	917040	Dec 6,2011	290432	5466455	good	
917041	917041	Dec 6,2011	290393	5466437	good	
917042	917042	Dec 6,2011	290331	5466400	good	
917043	917043	Dec 6,2011	290295	5466383	good	
917044	917044	Dec 6,2011	290232	5466336	good	
917045	917045	Dec 6,2011	290173	5466329	good	
535056	535056	Dec 2,2011	292081	5468331	good	
535059	535059	Dec 2,2011	292175	5468461	good	
535064	535064	Dec 2,2011	292073	5468298	good	
535065	535065	Dec 2,2011	292073	5468284	good	
535066	535066	Dec 2,2011	292077	5468270	good	
535067	535067	Dec 2,2011	292059	5468233	good	
535068	535068	Dec 2,2011	292055	5468204	good	
535069	535069	Dec 2,2011	292048	5468174	good	
535070	535070	Dec 2,2011	292039	5468150	good	
535079	535079	Dec 5,2011	292538	5470777	good	
535080	535080	Dec 5,2011	292491	5470730	good	
535081	535081	Dec 5,2011	292456	5470676	good	
535082	535082	Dec 5,2011	292399	5470647	good	
535083	535083	Dec 5,2011	292328	5470606	good	
535084	535084	Dec 5,2011	292257	5470552	good	
535085	535085	Dec 5,2011	292206	5470526	good	
535086	535086	Dec 5,2011	292157	5470512	good	
535087	535087	Dec 5,2011	292066	5470453	good	
535088	535088	Dec 5,2011	292003	5470412	good	
535089	535089	Dec 5,2011	291938	5470358	good	
535090	535090	Dec 5,2011	291891	5470337	good	
535091	535091	Dec 5,2011	291850	5470293	good	
535092	535092	Dec 5,2011	291867	5470239	good	

535093	535093	Dec 5,2011	291892	5470179	good	
535094	535094	Dec 5,2011	291912	5470132	good	
535095	535095	Dec 5,2011	291873	5470087	good	
535096	535096	Dec 5,2011	291826	5470022	good	
535097	535097	Dec 5,2011	291797	5469969	good	
535098	535098	Dec 5,2011	291785	5469893	good	
535099	535099	Dec 5,2011	291790	5469824	good	
535100	535100	Dec 5,2011	291814	5469764	good	
534651	534651	Dec 5,2011	291839	5469715	good	
534652	534652	Dec 5,2011	291836	5469640	good	
534653	534653	Dec 5,2011	291845	5469566	good	
534654	534654	Dec 5,2011	291837	5469485	good	
534655	534655	Dec 5,2011	291836	5469416	good	
534656	534656	Dec 5,2011	291836	5469354	good	
534657	534657	Dec 5,2011	291825	5469294	good	
534658	534658	Dec 5,2011	291831	5469209	good	
534659	534659	Dec 5,2011	291814	5469159	good	
534660	534660	Dec 5,2011	291806	5469090	good	
534661	534661	Dec 5,2011	291793	5469031	good	
534662	534662	Dec 5,2011	291782	5468977	good	
534663	534663	Dec 5,2011	291774	5468926	good	
534664	534664	Dec 5,2011	291784	5468838	good	
534665	534665	Dec 5,2011	291806	5468770	good	
534666	534666	Dec 5,2011	291765	5468712	good	
534667	534667	Dec 5,2011	291751	5468654	good	
534668	534668	Dec 6,2011	291751	5468612	good	
534669	534669	Dec 6,2011	291744	5468487	good	
534670	534670	Dec 6,2011	291731	5468463	good	
534671	534671	Dec 6,2011	291714	5468432	good	

CATFACE NE PROPERTY: 2011 GEOCHEMICAL SAMPLING PROGRAM

Sample Type: **Stream Sediment**

Sampled by: **Jason Corlazzoli, George Frank, and Dustin Perry**

Location: Cypre River Valley

All sampling locations are identified by labeled dark red or pink flagging

Datum: UTM NAD 83, Zone 10

Lab / Job Number: Acme Analytical Laboratories Ltd. / VAN11006926

Field ID	ACME #	Date	Easting	Northing	Sample Quality	Comments
535051	535051	Dec 1,2011	292366	5470607	good	fine sandy silt, 1.0m wide creek, wbc below on road
535052	535052	Dec 1,2011	292238	5470536	good	highside of road, resample of cu anomoly , 1.5m creek
535054	535054	Dec 1,2011	291923	5470129	good	
535055	535055	Dec 1,2011	291838	5470022	poor	
916871	916871	Dec 3,2011	289432	5469026	good	
916872	916872	Dec 3,2011	289426	5469047	poor	1.5m creek
916873	916873	Dec 3,2011	289696	5469518	poor	1.5m creek
916874	916874	Dec 3,2011	290273	5470220	good	low energy flow
916875	916875	Dec 4,2011	291225	5469141	good	2m creek
916876	916876	Dec 4,2011	291291	5469244	good	1.5m creek
916877	916877	Dec 4,2011	291362	5469484	good	1m creek
916878	916878	Dec 4,2011	291330	5469491	good	1m creek
916879	916879	Dec 4,2011	291273	5469659	good	2m creek
916880	916880	Dec 4,2011	291270	5469904	good	1.2m creek
916881	916881	Dec 4,2011	291250	5470010	good	3m
916882	916882	Dec 4,2011	291186	5470097	good	
916883	916883	Dec 4,2011	291649	5470016	good	
916884	916884	Dec 4,2011	291276	5470160	good	
916885	916885	Dec 4,2011	291350	5470233	poor	lots of pebbles, 0.7m creek
916886	916886	Dec 4,2011	291362	5470363	good	some pebbles 1.7m creek no water
916887	916887	Dec 4,2011	291413	5470407	poor	no water, pebbles
916888	916888	Dec 4,2011	291437	5470428	good	no water
916889	916889	Dec 4,2011	291694	5470921	good	few pebbles, waterflow underground
535057	535057	Dec 2,2011	292131	5468362	good	1m wide creek off 30m wide by 20m high waterfall. Appears to be from a different drainage than main creek. Bedrock is unaltered grey limestone

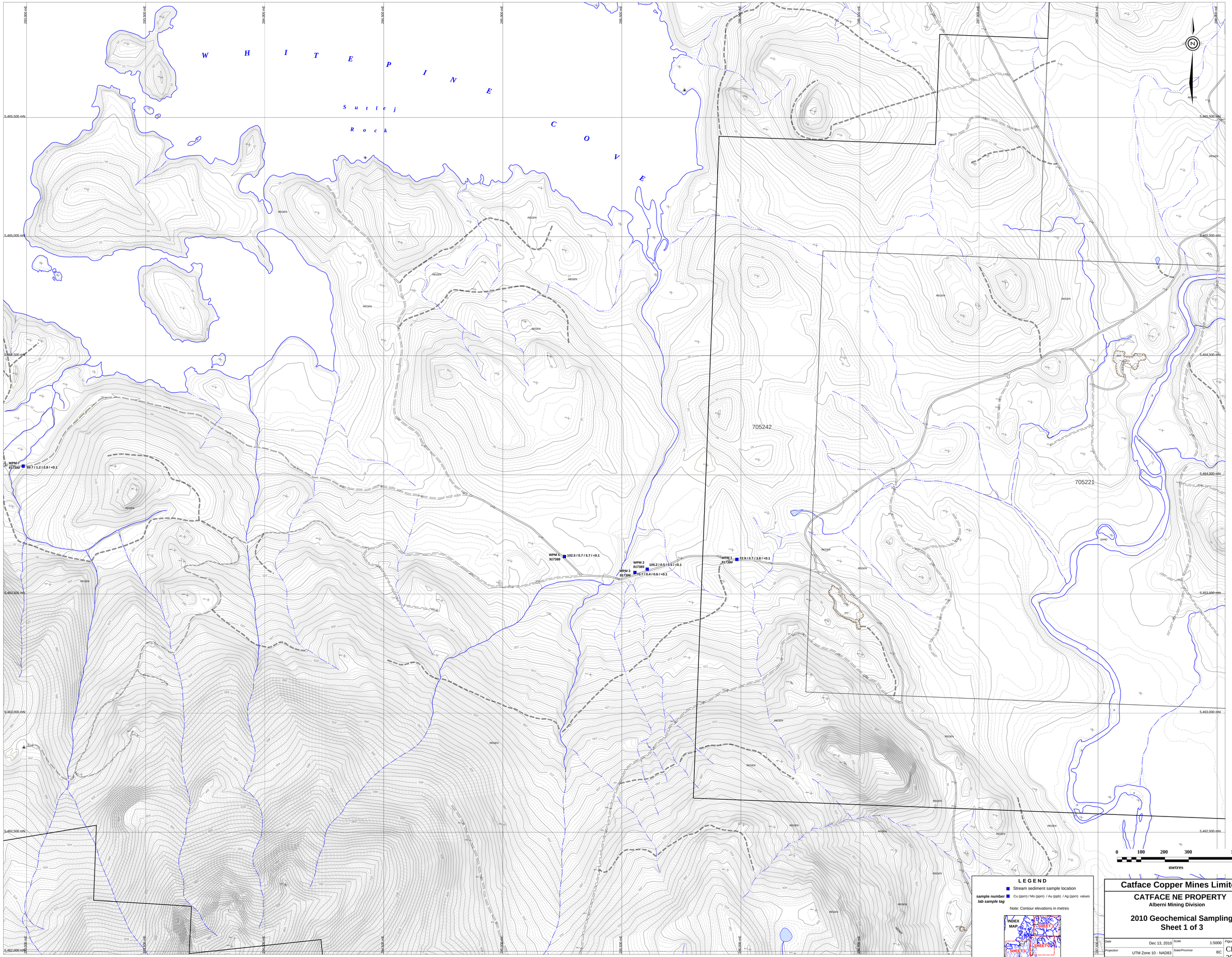
535058	535058	Dec 2,2011	292147	5468417	good	3-5m wide main creek. Very high energy. Limestone bedrock.
535060	535060	Dec 2,2011	292308	5468400	good	poor sample quality. Waterflow is subterrain right now. No fines.
535061	535061	Dec 2,2011	292342	5468357	good	main creek, 10m wide. Very good sample quality. Very steep and cliffy directly above. Impossible to get to next branch and back to truck in 1 day with current daylight. (summer job)
535071	535071	Dec 2,2011	291729	5468338	good	Main creek. Repeat of ~500ppb Au sample
535072	535072	Dec 3,2011	290087	5469125	good	2m wide creek
535073	535073	Dec 3,2011	290367	5469781	good	2m wide creek w very low flow rate
535074	535074	Dec 3,2011	290325	5469694	good	1m wide with med flow rate
535075	535075	Dec 3,2011	290263	5469614	good	3 me wide creek with med flow rate
535076	535076	Dec 3,2011	290109	5469337	good	5m wide with very high flow rate
535077	535077	Dec 3,2011	289952	5469138	good	1m wide with low flow rate
535078	535078	Dec 3,2011	289864	5468977	good	3m wide with low flow rate
534672	534672	Dec 6,2011	289074	5464827	good	med E
534673	534673	Dec 6,2011	289000	5464807	good	Low E
534674	534674	Dec 6,2011	288923	5464756	good	Low E

CATFACE NE PROPERTY: 2011 GEOCHEMICAL SAMPLING PROGRAM

Sample Type: **Rock**						
Sampled by: **Dustin Perry**						
Location: Cypre Valley						
All sampling locations are identified by labeled dark red or pink flagging						
Datum: UTM NAD 83, Zone 10						
Lab / Job Number: Acme Analytical Laboratories Ltd. / VAN11006927						
Field ID	**ACME #**	**Date**	**Easting**	**Northing**	**Sample Quality**	**Comments**
535053	535053	Dec 1,2011	292238	5470536	good	handsample taken from 15m above road in creek from angular float, dark grey finegrained intermediate volcanic andesite/basalt with quartz stingers, weak patchy chlorite, finegrained disseminated Py, and strongly fracture controlled Py, trace Cpy and Bo. trace Apy? strongly silicified, iron oxide weathering.
535062	535062	Dec 2,2011	292311	5468356	good	4m comp chip sample across 347 trending structure in limestone. Very highly silicified with trace disseminated steel coloured pyrite. Quartz veins (bull) up to 5cm. Stockworked w ankerite in spots but not pervasive. Moderate ankerite weathering on all surfaces throughout structure. not of significant interest but only altered rock seen so far.
535063	535063	Dec 2,2011	292268	5468421	good	Grab sample from angular float. Green phyllite with calcite veining. Very strong, texture destructive hematite throughout. Trace disseminated pyrite. Likely a weathering feature but looked very anomalous in creek bed.

SECTION F: ILLUSTRATIONS

Plan Number	Title	Scale
CFR-10-1 (p. 2a)	BC Location Plan	1:8 000 000
CFR-11-2.1 (p. 2b)	General Location Plan	1:250 000
CFNE-2012-3 (p. 2c)	Mineral Tenures	1:100 000
CFNE-2010-4 (in pocket)	2010 Geochemical Sampling Sheet 1 of 3	1:5 000
CFNE-2011-5 (in pocket)	2010 / 2011 Geochemical Sampling Sheet 2 of 3	1:5 000
CFNE-2011-6 (in pocket)	2010 / 2011 Geochemical Sampling Sheet 3 of 3	1:5 000



LEGEND

- Stream sediment sample location
- **sample number** Cu (ppm) / Mo (ppm) / Au (ppb) / Ag (ppm) values
- ***lab sample tag***

Note: Contour elevations in metres

INDEX MAP

SHEET 1
SHEET 2
SHEET 3

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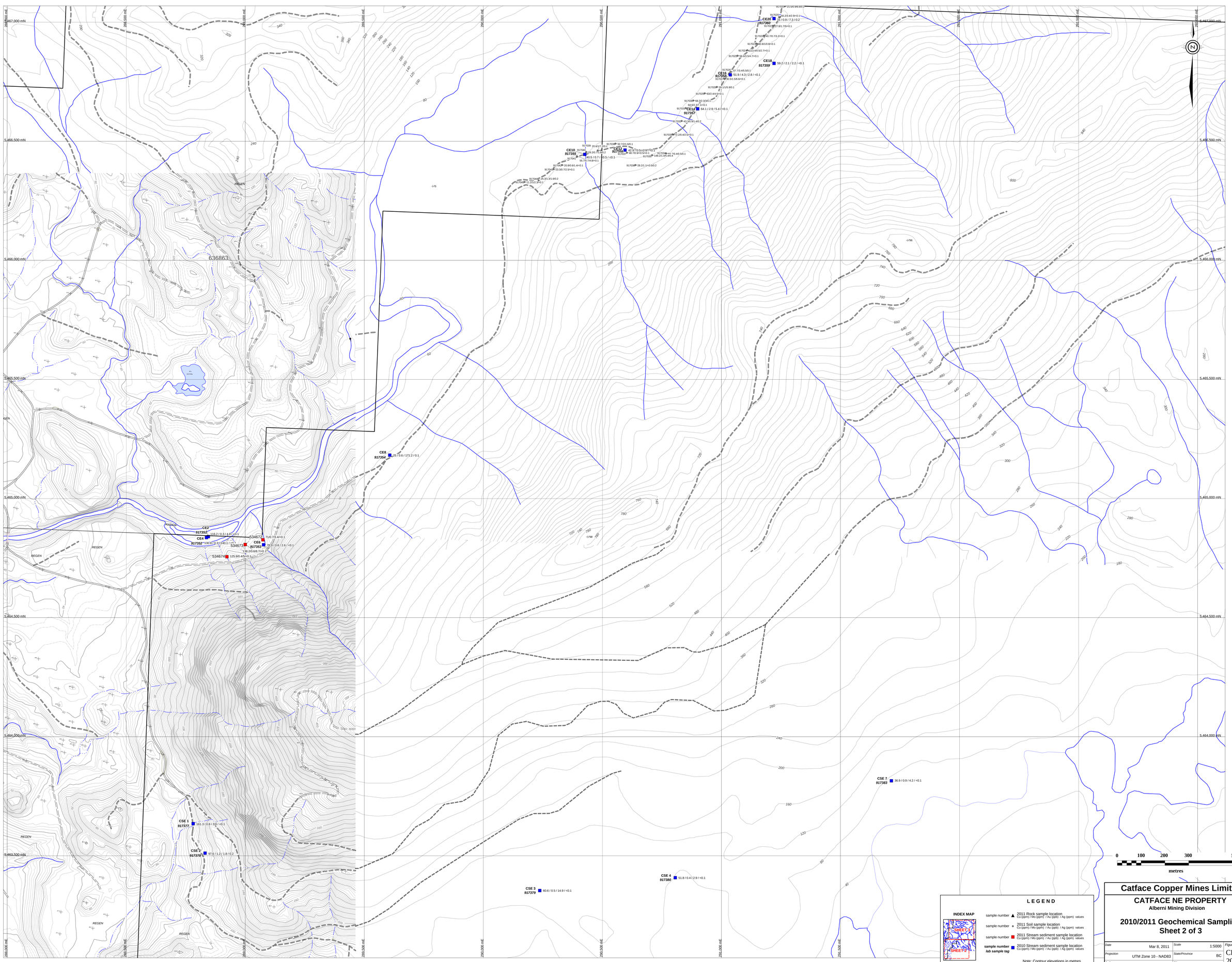
Alberni Mining Division

2010 Geochemical Sampling Sheet 1 of 3

Date	Dec 13, 2010	Scale	1:5000
Projection	UTM Zone 10 - NAD83	State/Province	BC
Author	EA	File	CatNE_Slit5K

Figure CFNE-2010-4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636863
REGEN
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CE18 917359 59.2 / 2.1 / 2.2 / <0.1
CE19 917358 51.9 / 4.3 / 2.8 / <0.1
CE16 917357 64.1 / 2.9 / 5.4 / <0.1
CE15 917356 42.9 / 0.3 / 0.5 / <0.1
CE10 917355 40.5 / 0.7 / 0.5 / <0.1
CE8 917354 25 / 0.6 / 171.2 / 0.1
CE2 917351 116.2 / 0.3 / 4.8 / <0.1
CE1 917352 130.8 / 0.3 / 60.1 / <0.1
CE6 917353 25.1 / 0.6 / 2.6 / <0.1
534673 138.2/0.6/8.7/<0.1
534672 710.7/1.4/<0.1
534674 125.9/0.4/5/<0.1
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CSE 2 917378 97.6 / 1.2 / 1.8 / 0.2
CSE 3 917379 60.6 / 0.5 / 14.9 / <0.1
CSE 4 917380 51.8 / 0.4 / 2.9 / <0.1
CSE 7 917383 36.9 / 0.9 / 4.2 / <0.1
0 100 200 300 500
metres
N
INDEX MAP
SHEET 1
SHEET 2
SHEET 3
LEGEND
sample number 2011 Rock sample location Cu (ppm) / Mo (ppm) / Au (ppb) / Ag (ppm) values
sample number 2011 Soil sample location Cu (ppm) / Mo (ppm) / Au (ppb) / Ag (ppm) values
sample number 2011 Stream sediment sample location Cu (ppm) / Mo (ppm) / Au (ppb) / Ag (ppm) values
sample number lab sample tag 2010 Stream sediment sample location Cu (ppm) / Mo (ppm) / Au (ppb) / Ag (ppm) values
Note: Contour elevations in metres
Catface Copper Mines Limited
CATFACE NE PROPERTY
Alberni Mining Division
2010/2011 Geochemical Sampling
Sheet 2 of 3
Date Mar 8, 2011
Scale 1:5000
Figure CFNE-2011-5
Projection UTM Zone 10 - NAD83
State/Province BC
Author EA
File CatNE_Sht5K

636867

636883

636864

636865

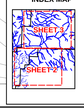
636866

0 100 200 300 500

metres

LEGEND

INDEX MAP



sample number ▲ 2011 Rock sample location
Cu (ppm) / Mo (ppm) / Au (ppb) / Ag (ppm) values

sample number ✦ 2011 Soil sample location
Cu (ppm) / Mo (ppm) / Au (ppb) / Ag (ppm) values

sample number ■ 2011 Stream sediment sample location
Cu (ppm) / Mo (ppm) / Au (ppb) / Ag (ppm) values

sample number ■ 2010 Stream sediment sample location
lab sample tag Cu (ppm) / Mo (ppm) / Au (ppb) / Ag (ppm) values

Note: Contour elevations in metres

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2010/2011 Geochemical Sampling
Sheet 3 of 3

Date	Mar 8, 2011	Scale	1:5000
Projection	UTM Zone 10 - NAD83	State/Province	BC
Author	EA	File	CatNE_Sit5K
		Figure	CFNE-2011-6