BRITISH COLUMBIA
The Best Place on Earth

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

Assessment Report
Title Page and Summary

PROFESSIONAL ENGINEER PROVINCE OF B. K. EGGERS # 40384 BRITISH COLUMBIA GEOSCIENTIST

TYPE OF REPORT [type of survey(s)]: GEOCHEMICAL ASSESSMENT REPORT **TOTAL COST:** $23,380.20

AUTHOR(S): Benjamin Eggers, P.Geo **SIGNATURE(S):** 17 FEB 2017

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): MX-8-238 **YEAR OF WORK:** 2016

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): Event #5629218/ December 13, 2016

PROPERTY NAME: CATFACE

CLAIM NAME(S) (on which the work was done): 201401, 201416, 201417, 201418, 201424, 201623, 201636, 201645 and 342307

COMMODITIES SOUGHT: Cu, Mo

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

MINING DIVISION: Alberni **NTS/BCGS:** 92E/1E, 8E; 92F/4W, 5W / 092F021

LATITUDE: 49 ° 15.7 ' " **LONGITUDE:** 125 ° 59.1 ' " **(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):
Catface is a calc-alkalic Cu-Mo prophyry system genetically related to mid-Eocene porphyritic quartz diorite to granodiorite of the "Catface Intrusions". The Catface Intrusions cut older quartz monzonites and Triassic Karmutsen Group volcanics. Disseminated and fracture controlled chalcopyrite, bornite and molybdenite are hosted by all of these lithologies.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 00540, 00541, 00580, 27773, 28725, 31052, 31894, 35293

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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	201 samples / 36 element ICP-MS / AQ201	See tenure numbers on page 1	$16,317.80
Silt			
Rock	11 samples / 36 element ICP-MS / AQ201	See tenure numbers on page 1	$893.25
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying	212 / Bureau Veritas Commodities	See tenure numbers on page 1	$4,193.35
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	Report preparation, program administration	See tenure numbers on page 1	$1,975.80
		TOTAL COST:	$23,380.20

GEOCHEMICAL ASSESSMENT REPORT

on the

CATFACE COPPER PROPERTY

Tenure Nos. 201401, 201416, 201417, 201418, 201424, 201623, 201636, 201645 & 342307

Alberni Mining Division

NTS: 92E/01E, 92E08E, 92F/04W, 92F/05W

BCGS Map Sheets: 092E030, 092F021

Latitude: 49° 15.7′ N; Longitude 125° 59.1′ W

UTM (NAD 83 – Zone 10): 5 460 850 N; 282 890 E

Owner / Operator:

Catface
an Imperial Metals company

Catface Copper Mines Limited
200-580 Hornby Street, Vancouver, BC V6C 3B6

Author: Benjamin Eggers. P.Geo.
Blackbird Geoscience Ltd.

February 17, 2017

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SECTION A: REPORT

INTRODUCTION

The Catface Property is 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 ("CCML"), a company 100% owned by Selkirk Metals Corp., itself a wholly-owned subsidiary of Imperial Metals Corporation of Vancouver, BC. Falconbridge Limited (now Glencore Canada Corporation) discovered the mineral deposit in 1960 and completed several phases of surface and underground work on the property up until 1990 when they ceased all operations in British Columbia. The Catface Property is located in the Catface Range, approximately 13 km north-northwest of Tofino, BC.

Building on diamond drilling programs in 2008 and 2010, along with an encouraging report from an evaluation of the remaining exploration potential in 2011, CCML revisited the Hecate Bay Zone of the Catface Project in 2016. The Hecate Bay Zone, 2 km southeast of the main Cliff Zone, remains underexplored and poorly understood. Only 13 short Winkie drill holes were completed within the prospective area in the 1960's and the closest substantial drill holes are located 700 m to the northwest of the area targeted in 2016. A soil geochemical survey was undertaken in June, 2016, extending southeast from the previous systematic sampling by Falconbridge in the late 1980's and over a portion of the Hecate Bay mineralization as it is currently understood. A 600 m wide zone of anomalous copper (Cu) in soils was identified, open to the northwest and southeast, and follow up prospecting and rock sampling returned grades up to 0.6% Cu in biotite-altered tonalite float samples. The Hecate Bay Zone has the potential to host substantial Cu resources but remains poorly understood and requires additional surface work and drill testing.

PROPERTY:

The Catface Copper Property is owned 100% by Catface Copper Mines Limited ("CCML"), a private company owned 100% by Selkirk Metals Corp., a wholly-owned subsidiary of Imperial Metals Corporation. CCML is the registered owner of the mineral tenures comprising the Catface Property. Glencore Canada Corporation (formerly Xstrata / Falconbridge Limited) holds a right to "back in" to a 50.1% working interest in the Catface project at the time of a production decision by paying to CCML 150% of CCML's aggregate expenditures on Catface, or alternatively, Glencore may revert to a 9% Net Proceeds of Production royalty.

The property is located 13 km north-northwest of Tofino, BC in the Catface Range of Vancouver Island (Figures CF-16-1 and CF-16-2). It consists of 138 mineral tenures (1 mining lease of 15 units; 130 legacy claims / 130 units; 7 cell claims / 14 cells) totaling 159 units and covering a gross area of 3,797.28 ha (Figures CF-16-3). Mining Lease 345339 covers 252.0 ha in the core area of the property and was issued on September 25, 1996 for a 30-year term expiring on September 25, 2026. A rental of $20.00/ha or $5,040.00 is payable annually.

The details of the mineral tenures that comprise the Property are set out in Section B of this report. The "good to dates" are based on the Statement of Exploration and Development Work registered on Mineral Titles Online on December 13, 2016 as Event #5629218 and assume that the work contained in this report will be accepted for assessment purposes.

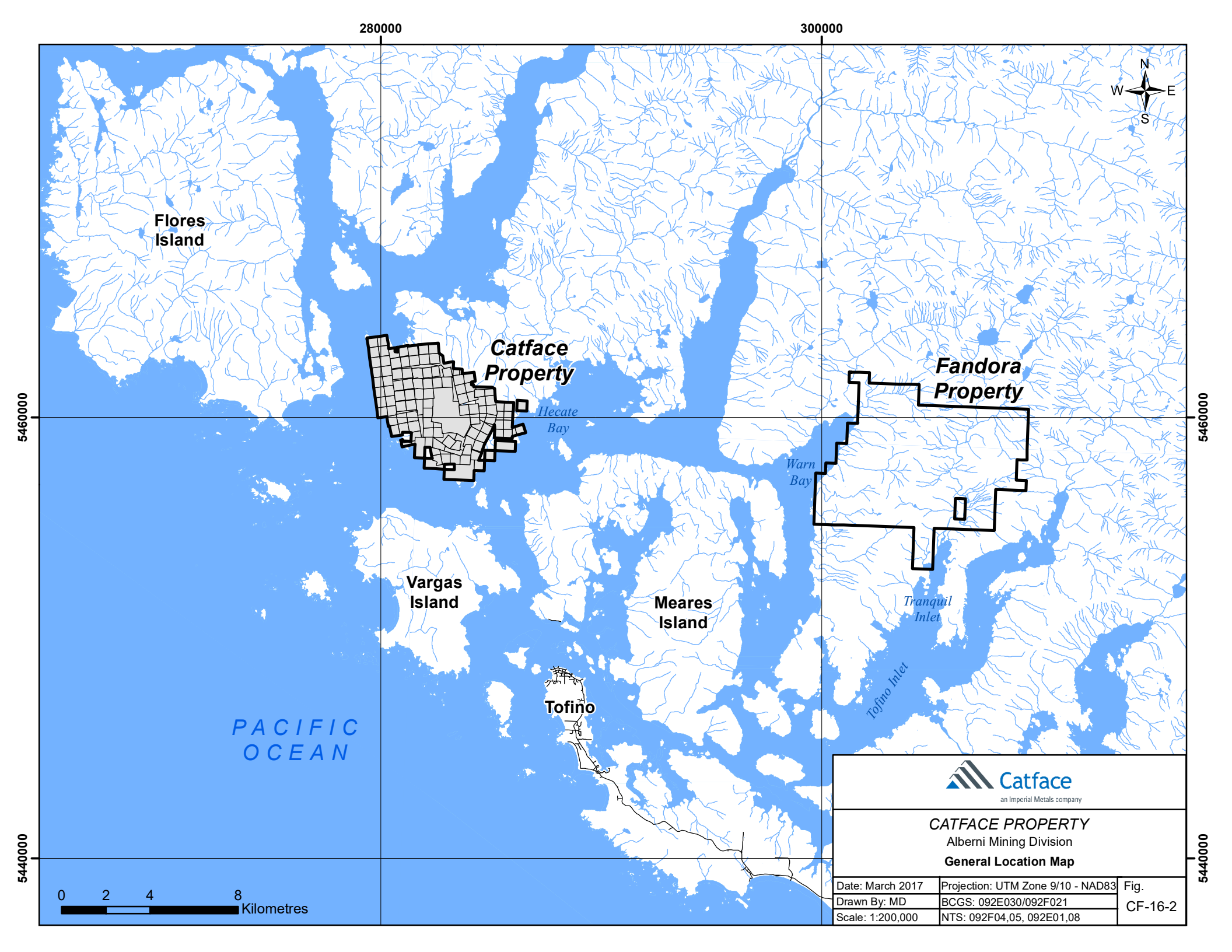
Catface
an Imperial Metals company

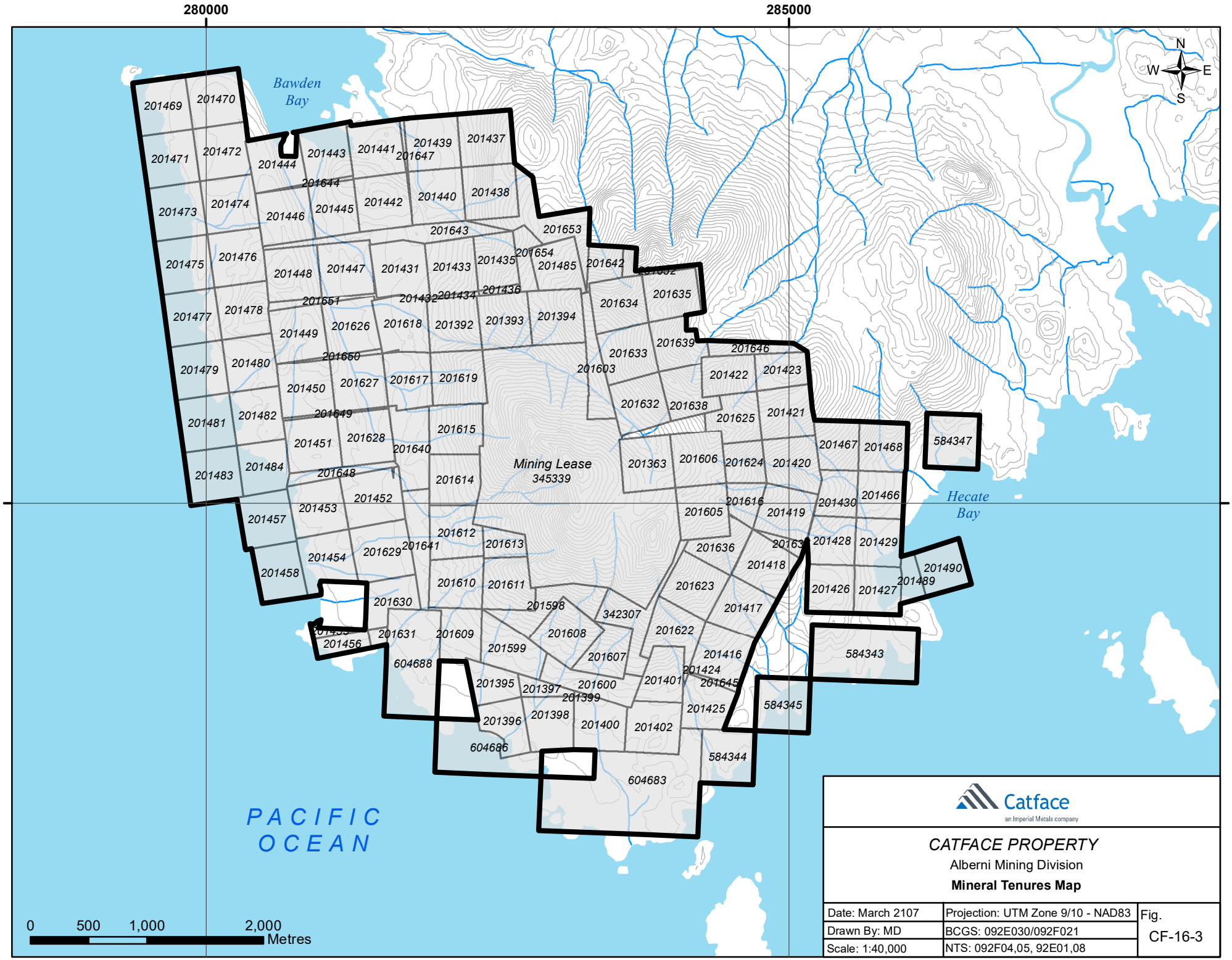
CATFACE PROPERTY

Alberni Mining Division

BC Location Map

Date: March 2017		Figure: CF-16-1
Scale: As Shown	Drawn By: MD	


280000
300000
5460000
5440000
N
W
E
S
Flores Island
Catface Property
Hecate Bay
Fandora Property
Warn Bay
Vargas Island
Meares Island
Tranquil Inlet
Tofino Inlet
Tofino
PACIFIC OCEAN
0 2 4 8
Kilometres
Catface
an Imperial Metals company
CATFACE PROPERTY
Alberni Mining Division
General Location Map
Date: March 2017
Drawn By: MD
Scale: 1:200,000
Projection: UTM Zone 9/10 - NAD83
BCGS: 092E030/092F021
NTS: 092F04,05, 092E01,08
Fig.
CF-16-2



Catface
an Imperial Metals company

CATFACE PROPERTY

Alberni Mining Division

Mineral Tenures Map

Date: March 2107	Projection: UTM Zone 9/10 - NAD83	Fig. CF-16-3
Drawn By: MD	BCGS: 092E030/092F021	
Scale: 1:40,000	NTS: 092F04,05, 92E01,08	

LOCATION AND ACCESS:

The Catface Copper property is centered on Catface Mountain, on the western edge of the Catface Peninsula, west coast of Vancouver Island, southwestern British Columbia. The town of Tofino is approximately 13 km south-southeast of the property. Access to the Catface Peninsula is possible by boat, fixed-wing aircraft or helicopter. A ferry or boat is required to move vehicles and equipment from Tofino across Bedwell Sound to the Catface Peninsula. 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 jobsite on Catface Mountain. The barge facility at Hecate Bay on the east side of the property remains in good order, but the boat docking facilities have not been maintained since logging and shake/shingle activity ceased 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 limited amount of upgrading, while floatplanes can land in the relatively protected confines of Hecate Bay itself. A 10 km logging and mining access road extends from Hecate Bay into the central portion of the property.

The property is located at the corner of four NTS map sheets 92E/01, 92E/08, 92F/04 and 92F/05, and the BCGS map sheets are 092E030 and 092F021. The centre of the work area at the Cliff Zone portal is 49° 15.7′ North latitude and 125° 59.1′ West longitude while the UTM coordinates are 282 890 E, 5 460 850 N (NAD 83, Zone 10).

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 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 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 that form 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 Catface Range contains two subdued mountain tops, the South Peak with an elevation of 880 m and the North Peak with an elevation of 960 m. Property elevations range from sea level (0 m) to 960 m at the North Peak.

Catface Mountain 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 earliest mention of exploration work on the Catface Peninsula is from the 1898 Annual Report of the Minister of Mines of British Columbia which reported the collaring of a 6 m adit into a highly fractured and altered shear zone containing copper staining.

In 1960 Gerald Davis and two partners climbed to the base of a copper stained cliff, visible from the sea, and sampled oxidized copper material from a fault zone. Sampling later that year located fresher material and recognized extensive copper and molybdenum mineralization, prompting Falconbridge to stake the first claims.

The claims were explored by Falconbridge between 1960 and 1969 through prospecting, mapping, geophysical surveys, soil and rock geochemistry and 11,777 m (38,628 ft) of surface diamond drilling. The success of this work led to the decision to collar an adit in 1970, which was ultimately driven 857 m (2,811 ft) into the Cliff Zone. Underground diamond drilling commenced in 1971 and totaled 7,212 m (23,655 ft).

Subsequent work programs included extensive metallurgical testing by Lakefield Research, and also test work at the Tasu Mine facility operated by Falconbridge. An in house resource estimate and pit design study was completed in 1972. This data was re-checked by Sumitomo in 1973 when they conducted additional bench tests on the ore.

In 1989 the project was reactivated as a result of more favorable metal prices and the advantageous location of the deposit. All the old data was re-evaluated to assess the likelihood of locating additional resources in the area. A limited drill program tested outlying IP anomalies peripheral to the Cliff Zone mineralization. At this time available core was re-assayed to determine the precious metal content of the ore. The adit was reopened and re-sampled at 10 ft intervals along the entire length.

Doublestar Resources Ltd. acquired the Catface Property and the shares of Catface Copper Mines Limited from Falconbridge in January 2000, but no substantive fieldwork was carried out by Doublestar other than some baseline environmental studies in 2004.

Selkirk Metals Corp. acquired its interest in the property in 2007 following its acquisition of Doublestar and the subsequent amalgamation of the two firms in 2009.

A diamond drilling program was conducted in 2008 that saw the completion of 2,383 m in eight holes, six in the Cliff Zone and two in the Hecate Bay Zone. The program served to confirm the historic grade data for the Cliff Zone deposit, provide fresh samples for metallurgical and environmental testing, further delineate the historically defined Cliff zone mineralization and test the potential of the Hecate Bay Zone. Assay results from the program confirmed the historic copper grades and expanded the higher-grade bornite-bearing core of the Cliff Zone.

To reduce the need for constant helicopter support for exploration drilling activities on the Catface property, Selkirk Metals Corp. sought and was granted approval to reactivate the access road located on the west side of Catface Mountain. Road reactivation began in October 2009 and was completed in March 2010. Upon completion of the road an enclosed core-processing shed was constructed on the spur road 500 m northwest of the Cliff Zone adit.

Selkirk Metals Corp., with its 100% stake in Catface Copper Mines Limited, became a wholly-owned subsidiary of Imperial Metals Corporation through a merger in November 2009.

Exploratory diamond drilling resumed from May through September 2010, with 3,548 m of drilling completed in 13 holes. Of the 13 diamond holes collared, 7 were terminated prior to reaching a satisfactory target depth due to adverse ground conditions. The drilling program confirmed historic copper grades along the length of the Cliff Zone with a hole sub-parallel to the adit (driven in 1970 by Falconbridge) and extended the known Cliff Zone mineralization to the southeast as well as confirming the presence of a high grade breccia body within the Irishman Creek Zone.

During the period from June 2010 through February 2011 a property scale evaluation was completed to assess the remaining exploration potential of the Catface project. Geological reconnaissance mapping at 1:25,000 scale was carried out in conjunction with examination of diamond drill core, drilling maps and sections, and strip logs from the drilling conducted in 2010.

A short reconnaissance mapping and prospecting program was completed in November 2014 targeting the lower Irishman (Bawden) Creek area and the Hecate Bay Zone. A narrow (~5 m) silicified porphyritic dacite dike containing low grade Cu mineralization and interpreted to belong to the Eocene Catface intrusions was observed 150 northwest of the Irishman Creek Zone. Low grade disseminated Cu mineralization within weakly silica-biotite altered tonalite was confirmed within the Hecate Bay Zone.

REGIONAL GEOLOGY:

The West Coast of Vancouver Island is underlain by the Wrangellia Terrane, an exotic assemblage accreted to the North American Cordillera in the Mesozoic, and the West Coast Complex. The Paleozoic (Late Devonian) Sicker Group is the oldest member of the Wrangellia Terrane and underlies all other lithologies. The Sicker Group is defined by two main assemblages of marine arc deposition: The Nitinat and the McLaughlin Ridge Formations.

The Nitinat Formation is dominantly an andesite-basalt metavolcanic suite with associated volcanic breccias and agglomerates. The younger McLaughlin Ridge is characterized by volcaniclastic sandstones, pillow lavas, and felsic volcanics with minor debris flow indications (Brandon, M.T., 1985). Carboniferous to Permian shallow marine deposited strata of bioclastic limestone, sandstone, and shale of the Buttle Lake Group conformably overlie the Sicker Group. The unconformable Middle Triassic Karmutsen Formation volcanics (basaltic pillow lavas, flows, and breccias) complete with a suite of hypabyssal sills and dykes, lie atop. A Late Triassic shallow marine sequence of Limestone (Quatsino Formation) overlies the Karmutsen, and is in turn overlain by thinly banded units of calcareous metasediments and argillites of the Parson's Bay Formation (Gunning, 1932).

All these lithologies are unconformably overlain by the thick Bonanza Volcanic sequence. These rocks consist chiefly of variably colored (red, green, and maroon) welded to massive dacitic tuffs and pyroclastic andesites. The Bonanza units trend prevalently northwest and are in turn intruded by the Lower Jurassic Island Intrusions; the cause of associated regional and contact metamorphism.

The West Coast Complex lies on the extreme western margin of Vancouver Island. The Complex is composed of a chaotic assemblage of lithologies defined by melanges of Lower Cretaceous mudstones, sandstones, and cherts overlying an older Volcanic Arc Complex. The northwest striking West Coast Fault separates this Mesozoic complex from the aforementioned Paleozoic and associated rocks of the rest of the Wrangellia Terrane on Vancouver Island (Brandon, M.T., 1985).

PROPERTY GEOLOGY:

The Catface copper-molybdenum porphyry deposit is related to a suite of Eocene eqigranular to porphyritic diorite to tonalite stocks and dykes. These intrusives, refered to as the Catface intrusions, occur within Paleozoic-Mesozoic(?) mafic intrusive basement, Triassic metavolcanic and sedimentary rocks, and Jurassic(?) monzogranite. Diorites and gabbros of the Westcoast Complex make up the mafic intrusive basement and are dominant throughout the western part of the property (Figure CF-16-5). These lie in fault contact with the Upper Permian Sicker or Vancouver Group (assigned to the Triassic Karmutsen Group) volcanic suite consisting of basalts, andesitic flows, tuff breccias and agglomeratic rocks that are locally weakly hornfelsed near the intrusive contacts. A large NNW-elongate stock of Jurassic(?) monzogranite intrudes these two units and is centered along the fault contact between them (McDougall, 1976; Muller, 1981; Nilsson, 2001 and Riedell, 2011).

Much of the following property scale description is summarized from the 2011 Catface geological mapping and drilling review completed by B. Riedell for CCML.

The Eocene Catface intrusions form a cupola of equigranular to porphyritic diorite, quartz diorite, dacite and tonalite stocks, dykes and hydrothermal breccias temporally bracketing the mineralizing episode. Within this cupola the tonalite porphyry phase, with its favourable porphyritic texture, disseminated sulphides, irregular A-style (early, high-temperature) quartz-sulphide veinlets and central location relative to the Cu-Mo ore zone, very likely represents the principle mineralizing intrusion.

A NNW-elongate zone of K-silicate (dominantly biotitic) alteration occurs at the centre of the exposed system and correlates well with the extent of >0.1% estimated Cu mineralization. This K-silicate alteration is visible within intrusive rocks as brown biotite replacement of mafic minerals with minor overprinted chlorite, and minor K-feldspar vein envelopes, while the intruded Karmutsen volcanics form dark grey hornfels with fine black to brownish-black biotite pervasively replacing the rock groundmass, as clots, and as envelopes along quartz veinlets. Quartz veining is relatively weak compared with other porphyry systems and is typically around 5 vol% up to a maximum of 15 vol%. Intrusive rocks outside the central K-silicate zone show weak to moderate chlorite-epidote alteration and weak hornfelsing of Karmutsen volcanics extends ~2 km from the K-silicate zone before grading into regional “greenstone” (epidote-chlorite± zeolites) metamorphism. Sericitic alteration is poorly developed within the Catface porphyry system.

Within the western part of the 2.5 by 2 km biotite-dominated alteration and disseminated chalcopyrite system there is a more strongly mineralized core, referred to as the Cliff Zone, which carries the majority of the mineral resource. The Cliff Zone is 700 by 700 m in extent and comprised of chalcopyrite + pyrrhotite ± bornite ± molybdenite ± pyrite forming a compact shell-like body capping the tonalite porphyry intrusion and averages approximately 1.5 vol% total sulphides. Based on drilling on sections 2S and 6S, there is strong evidence that the tonalite stock plunges approximately 65 degrees to the east or northeast (Figure CF-16-4). This suggests, that the core of the system has undergone post-mineral rotation 25 degrees to the west-southwest.

The highest Cu grades (0.5-1.5+ %) occur in monzogranite and especially Karmutsen volcanic wall rocks within 100 - 200 m of the tonalite contacts. Outside of this higher Cu grade core zone, a chalcopyrite+pyrite+pyrrhotite zone is present and the extent of visible chalcopyrite and estimated >0.1% Cu is 3.5 by 2.0 km. Pyrite gradually increases moving further outboard to form a weak pyrite halo of 1.5-3.0 vol% total sulphides, with the zone of >1.5% pyrite extending from 2 to 4+ km from the centre of the system (Figure CF-16-5).

Table 1. Rock Units of the Catface Project from Reidell (2011).

Unit	Description	Occurrence	Age relationships	Representative example[1]	Previous name (McDougall, 1976; Enns, 1989
EOCENE – Catface intrusions *(sequence poorly constrained)*					
Porphyritic dacite (Tpd)	Light to medium grey, ~10% each hb and plag phenocrysts in an aplitic to fine-grained groundmass of plag, qz, kf, altered mafic minerals	Dykes trending NW to NE	Cuts Ttp (McDougall, 1976). Late-mineral age indicated by weaker alteration-mineralization than intruded rocks	282959E / 5460985N (just SE of adit portal)	Andesite porphyry
Hydrothermal breccia (Thbx)	Commonly elongate, rounded > subangular clasts of mixed Jmg and Trk in a matrix of rock flour, qz, chl, sc, bi and coarse blebs of cp and po; matrix-supported	N-elongate tabular body ~40 m thick in Irishman Creek zone	Intermineral; some early qz-sulph veinlets truncated by breccia matrix	Hole CF-10-58 / 157-207 m	Breccia
Tonalite porphyry (Ttp)	Medium grey, crowded porphyry with ~50% phenocrysts of plag > bi, hb, qz in a fine-grained qz-plag±kf groundmass	Small stock and dykes centrally located in Cliff zone; small bodies (NNE dykes?) in Irishman Creek zone	Synmineral; cuts Jmg and Trk	Hole CF-10-56 / 488-634 m	Porphyritic quartz diorite
Fine-grained quartz diorite porphyry (Tfqdp)	Light grey; ~40% phenocrysts of plag > hb, bi, rare qz in an aplitic qz-plag groundmass. More distinctly porphyritic texture than Ttp	Dykes cutting Trk and Jmg within and especially NE of the Cliff zone	Cuts Jmg and Trk; not observed to cut Ttp	283480E / 5463217N; hole CF-10-66 / 470.9-480.2 m	Not recognized
Hecate Bay tonalite (Thbt, Thbtbx)	Medium grey, medium-grained equigranular; plag > qz, hb, bi. *Thbtbx*, intrusive breccia with up to 50% fragments of Kartmusen volcanic rocks or Westcoast Complex in a quartz diorite to tonalite matrix	Stock ~1.5 km across SE of Cliff zone. Thbtbx forms two small masses WNW and NW of Cliff zone	48 Ma (K-Ar, biotite; McDougall, 1976). Cuts Trk; Thbtbx cuts Trk and PzMzwc	285050E / 5458833N (Thbt); 281750E / 5463140N (Thbtbx)	Hecate Bay quartz diorite
Medium-grained diorite (Tmd)	Medium to dark grey, medium-grained equigranular; 55% hb, 45% plag	NW-trending dykes scattered N and NE of the Cliff zone	Cuts Trk. No clear age relations with other intrusive phases	283866E / 5464165N	Not recognized
JURASSIC(?)					
Monzogranite (Jmg)	White to cream-white, medium- to coarse-grained equigranular; plag > kf, qz > hb, bi.	NNW-elongate stock underlying much of the western part of the Cliff zone and vicinity	Cuts Trk and PzMzwc; cut by Tpd, Ttp and Tfqdp. McDougall (1976) inferred a Jurassic age based on similarity to intrusions of the Island plutonic suite	282295E / 5461016N	Quartz monzonite; logged as "granodiorite" in 2010 drilling
TRIASSIC					
Karmutsen Group (Trk, Trkl)	Basalt to andesite lavas, pyroclastic and epiclastic rocks; minor interbedded metasiltstone and argillte. Volcanic rocks display low-grade regional "greenstone" metamorphism in fringes of the system, and form dark grey biotitic hornfels near the Catface intrusions. *Trkl*, interbedded lenses of light grey, thin- to medium-bedded marble	Dominant wall rocks throughout the northeastern part of Catface peninsula	Cut by all intrusive rock units. Assigned to Triassic Karmutsen Group by Muller and Carson (1969)	286864E / 5461867N ("greenstones"); 283539E / 5460472N (hornfelsed volcanics); 286582E / 5463114N (Trkl)	Karmutsen volcanics
PALEOZOIC-MESOZOIC(?)					
Westcoast Complex (PzMzwc)	Medium to dark grey, fine- to coarse-grained diorite and gabbro, commonly foliated and banded; also migmatitic rocks with dikes of leuco-tonalite. Contains 1-2% mt, making it the only magnetic rock on the property	Dominant wall rocks throughout the western part of the property	In fault contact with Trk, so no contact relations evident. Older age for PzMzwc suggested by foliated textures. McDougall (1976) cited a 263 Ma (Permian) zircon age elsewhere in the Alberni map area	284208E / 5458578N	Westcoast diorite

Abbreviations: bi, biotite; cp, chalcopyrite; hb, hornblende; kf, K-feldspar; mt, magnetite; plag, plagionclase; po, pyrrhotite; qz, quartz; sc, sericite; sulph, sulphide
Notes: (1) Coordinates of surface outcrops in UTM zone 10, NAD 1983. Drill hole locations in the format HoleID / Depth in m.

The higher grade Irishman Creek Zone lies 500 m to the NNW of the Cliff Zone and consists of a 40 m wide multi-stage breccia body. Chalcopyrite – pyrrhotite mineralized hydrothermal breccia overprints an earlier intrusive breccia with abundant Karmutsen volcanic rock fragments along the eastern margin of the monzogranite stock. The hydrothermal breccia is matrix-supported and contains elongate clasts of monzogranite and volcanic rocks in a matrix of rock flour, quartz, chlorite, biotite, sericite, and discrete coarse blebs of chalcopyrite and pyrrhotite rimmed by coarse-grained biotite ± chlorite.

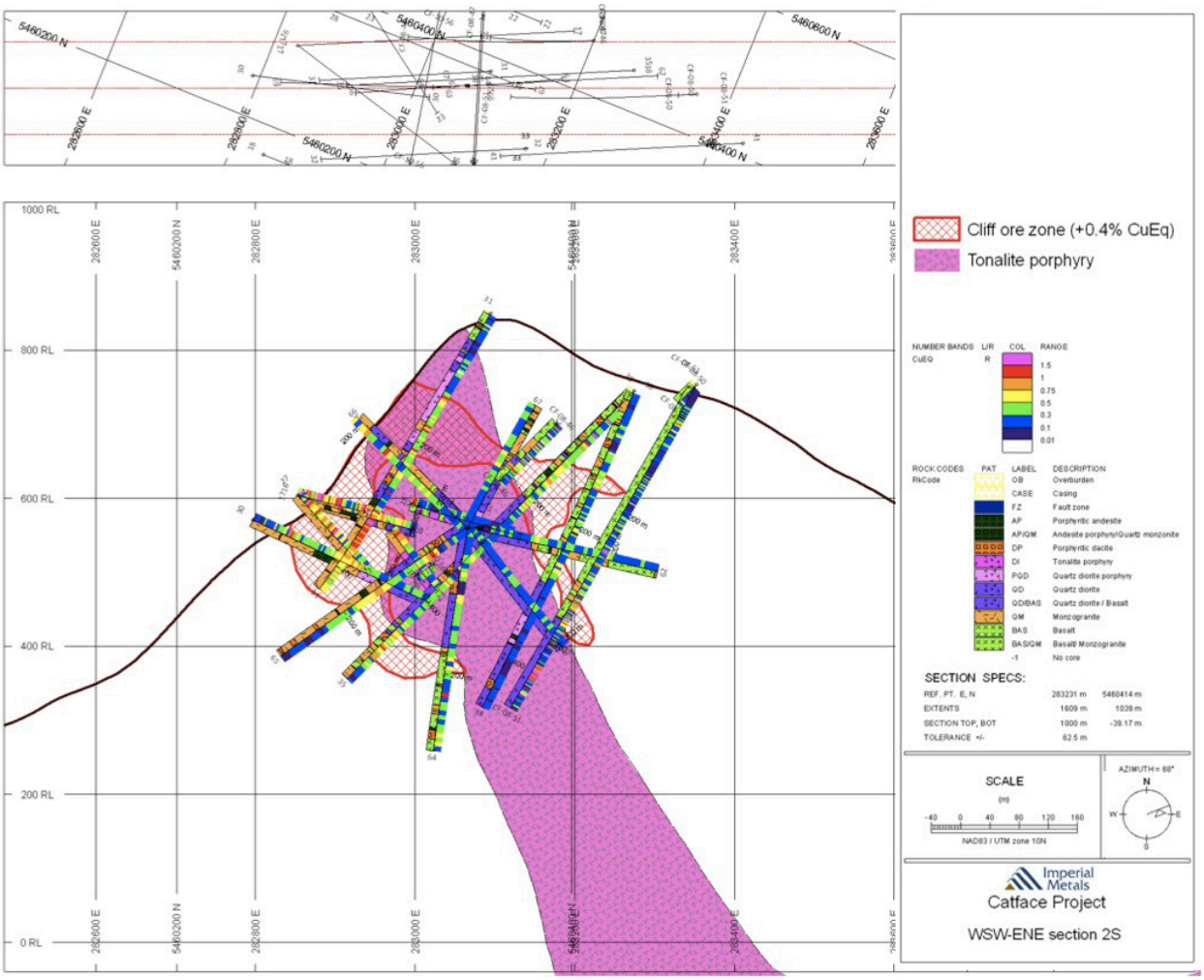


Figure CF-16-4: Detailed WSW-ENE cross-section 2S, showing inferred east-plunging configuration of tonalite porphyry and approximate extent of +0.4% Cu equivalent (Reidell, 2011).

HECATE BAY ZONE

The Hecate Bay Zone (HBZ) as defined by mineralized outcrop, soil geochemical anomalies and IP chargability responses is located 1 to 2 km southeast of the Cliff Zone resource and covers a northwest trending area approximately 900 x 750 m in extent. The area lies on the south-southeast facing slopes of the South Peak of Catface Mountain between 150 and 750 m elevation. Within the HBZ bedrock outcrop consists of mafic to intermediate flows, agglomerates and volcaniclastics of the Triassic Karmutsen Formation, intruded by a large Tertiary Hecate Bay tonalite stock (1.5 x 1.5 km) extending to the southeast edge of the peninsula. Younger porphyritc dikes have been mapped in the area. The Hecate Bay tonalite has been dated at 48-Ma K-Ar (McDougal, 1976) and is considered part of the Eocene Catface intrusive suite.

Mineralization is widespread within the HBZ and consists of chalcopyrite, minor molybdenite, bornite, pyrite and pyrrhotite. Chalcopyrite and lesser molybdenite commonly occur on fractures, in quartz veinlets, or as chalcopyrite disseminations replacing mafic minerals within the tonalite. Bornite is rare. Chalcopyrite was observed as sparse disseminations in numerous late porphyry dikes. Karmutsen volcanics contain more pyrrhotite, pyrite and associated chalcopyrite near contacts with intrusive rocks. Intrusive rocks are weakly

altered and fresh in appearance. Mafic minerals have been altered to chlorite in a number of areas and localized black biotite alteration and silicification has been observed. Contacts between the Karmutsen volcanics and Hecate Bay tonalite show weak thermal alteration effects including hornfels, epidotization and rare skarn. Widespread, low grade Cu mineralization has been documented with grab samples from new showings identified during 1989 mapping assaying 0.35% and 0.29% Cu. Several older maps make note of vein hosted Cu mineralization associated with porphyritic tonalite as well as disseminated mineralization with visual estimates of 0.2 – 0.3% Cu (von Fersen, 2000).

Geochemical surveying in the HBZ began in 1964 when Falconbridge completed an extensive grid covering most of the area of interest. This work utilized Rubianic acid testing, a weak acid attack, that resulted in values representing only a fraction of the total Cu content and are useful only as a general guide. Additional grid soil sampling in 1990 over the northern 2/3^{rds} of the HBZ indicated a northwest trending Cu anomaly greater than 200 ppm extending from the ridge near South Peak 850 m to the southeast, remaining open beyond the southern most line. Within this area a core zone greater than 600 ppm Cu also trends northwest, ranges from 120 to 180 m wide and reaches maximum values of 2000 ppm Cu. Mo values are generally low (1-2 ppm), with spots highs to 24 ppm, but do not correlate well with Cu.

Falconbridge conducted Induced Polarization, Resistivity, VLF and Magnetic surveys on the same property wide grid in 1989. Two significant IP anomalies, C1 and C2, occur within the HBZ and are described by Falconbridge as follows:

Anomaly C1 is a large, strong anomaly over Karmutsen volcanics immediately east of the monzogranite contact. The strongest part of the anomaly displays a linear pattern nearest the contact. The maximum IP response is co-incident with the lowest resistivity response, and a Fraser filtered VLF anomaly, indicating more abundant sulphides. Adjacent high resistivities immediately to the west suggest silicification. The pattern of the IP anomaly indicates a broad zone of porphyry style sulphides, with local, structurally controlled zones of sulphides on the west side and the region between lines 46S and 30S is underlain by the strongest chargeability. Anomaly C2, located immediately east of C1, is a moderately broad chargeability high with internal, linear, high chargeability zones, indicating northeast structural control of sulphides. Most of the anomaly is underlain by Karmutsen volcanics with the Hecate Bay tonalite mapped in the southeast portion of the anomaly. Linear resistivity highs occur within the anomaly suggesting the presence of porphyry dikes or possibly silicification.

2016 GEOCHEMICAL SAMPLING PROGRAM:

The Hecate Bay Zone on in the southeastern quadrant of the Catface porphyry system was revisited by CCML in 2016. This area of the property has seen only limited exploration, relative to the Cliff and Irishman Creek zones, since its discovery by Falconbridge during the initial phase of work on the property in the 1960's. A crew consisting of CCML geologists and Ahousaht First Nation field staff completed 4 days of soil grid sampling from June 6 – 9th, 2016 over the southern portion of the HBZ. The crew accessed the area by boat daily from Tofino and Ahousaht to a beach landing at Hecate Bay. From here the work area, beginning at 100 m elevation, was easily accessed on foot.

A soil-sampling grid was established to tie into the existing Falconbridge grid oriented at 068°. The approximate location of the historic baseline was located at 54S, this being the southernmost line previously worked by Falconbridge. Soil sampling was undertaken along four lines, beginning with 54S, spaced 100 m apart with samples of B-horizon material collected every 25 m. Lines were sampled 750 – 1200 m northeast of the baseline and 300 m to the southwest on lines 54S, 58S, 62S and 66S with partial sampling of 70S. All samples were submitted to Bureau Veritas for analytical testing.

This expansion of the geochemical sampling grid extended the zone of Cu in soil anomalism 300 m to the southeast. The broad zone of greater than 200 ppm Cu in soils is approximately 600 m wide and within this two parallel northwest trending zones at greater than 600 ppm Cu occur with a combined width of 80 – 140 m. An additional zone of plus 600 ppm Cu was identified 250 m east of the primary trend on line 54S. Low grade Mo anomalism (generally 5-15 ppm, to a maximum of 39.5 ppm) is patchy but coincident with the northwest-trending higher-grade Cu zones. This Cu-Mo anomalism over the HBZ remains open to the northeast on all lines south of 54S, and while the core of the anomaly appears to be narrowing to the southeast, it remains open below the access road.

The Catface property was revisited on November 9th 2016 in an attempt to locate the bedrock source of the Cu in soil anomalism. Previously chalcopyrite-bornite bearing tonalite with weak biotite alteration had been sampled in 2014 from outcrop within the grid area that assayed 0.24% Cu and 8.2 ppm Mo, however; this outcrop is situated between two higher-grade (>600 ppm Cu) anomalous zones. Follow up sampling identified tonalite with disseminated chalcopyrite and trace pyrite, molybdenite and pyrrhotite with weak to strong silica-biotite alteration. The majority of the 11 samples collected were of float material and outcrop of the underlying Hecate Bay tonalite is largely restricted to the incised creeks, which were flowing heavily during this follow up visit. Cu-mineralized Karmutsen volcanics float was also noted and sampled within the HBZ.

Of the rock samples collected in 2016, 10 were of variably silica-biotite altered tonalite, 3 of which contained greater than 0.1% Cu and 1 sample (CF16-06) with strong biotite alteration, disseminated and veined chalcopyrite and trace bornite contained 0.6% Cu. One sample of Karmutsen basalt float with disseminated chalcopyrite, trace pyrrhotite and bornite contained 0.086 % Cu. Low level Mo values were reported to a maximum of 17.8 ppm.

The anomalous Cu-Mo geochemistry associated with the HBZ in this area occurs toward the northwest margin of the large (1.5 x 1.5 km) Hecate Bay tonalite stock as defined by 1989-90 Falconbridge mapping. Several finger-like apophysies extend off the tonalite stock northwestward into the Karmutsen volcanics. Soil geochemical values collected during 2016 suggest that Cu anomalism extends over the underlying volcanics in addition to the Hecate bay tonalite.

CONCLUSIONS:

The anomalous Cu-Mo reported here from the CCML Hecate Bay Zone sampling program correlates well with the reported anomalies identified by Falconbridge in 1990 and extends these a further 300 m to the southeast. Whilst the geochemical anomalism previously identified has been described in reports and maps available to CCML, the raw geochemical data has not yet been located and is presumably documented in an in-house Falconbridge report.

The Eocene Hecate Bay tonalite and associated intrusive dikes reported within the HBZ are interpreted to be associated with the Cu-Mo anomalism as occurs elsewhere on the property at the Cliff and Irishman Creek zones. There is a strong degree of northwest structural control in the area, as evident from the finger-like tonalite intrusive bodies mapped on the southeast slopes of South Peak, soil geochemical anomalism and geophysical responses reported within the HBZ. A set of interpreted northwest trending faults pre-dating the tonalite intrusive are thought to have focused the emplacement of the Eocene intrusive stock/s and dikes and localized the porphyry style mineralization associated with them.

Drill logs from 10 of the short (100 ft / 30 m) drill holes completed within the HBZ by Falconbridge from 1961 – 64 report disseminated and veined chalcopyrite-pyrite mineralization hosted in biotite-hornblende quartz diorite (tonalite). Unfortunately assay reports for these holes are not available and it is not known if

these holes were submitted for geochemical assay. These holes were located along a creek draining the HBZ that crosses the access road at UTM 284940E 5458870N and covered a distance of 700 m upslope. This drilled drainage lies 150 m northeast of the primary >600 ppm Cu soil anomaly identified in 2016, but is still located within the >200 ppm Cu anomaly limits and is coincident with the IP anomaly C2. Rock chip sampling of tonalite outcrop at the approximate collar location of hole PS23 returned 0.24% Cu.

The Induced Polarization survey completed in 1989 identified two anomalies, C1 and C2, within the HBZ. These chargeability highs and associated resistivity lows were projected southeast beyond line 54S and flank the zone of strongest Cu-Mo anomalism identified in 2016. Near the South Peak ridge, 3 holes have been drilled targeting the northern portion of chargeability anomaly C1. These holes intersected Karmutsen volcancs with hole CF-08-53 reporting up to 2.5 vol% veined-hosted pyrite with minor chalcopyrite (max. 0.2 vol%) hosted in basalt with weak biotite alteration localized around the sulphide mineralization and peripheral chlorite-epidote alteration. This pyrite mineralization is likely the source of the IP response outlined as C1 and potentially C2. Given that the Cu-Mo bearing core of the HBZ is flanked by IP anomalies C1 and C2, it is interpreted that the strongest chargeability response may be coming from the pyrite-rich zone outboard from a chalcopyrite dominated core. The chalcopyrite bearing portion of this system would likely contain less total sulphide (approx. 1%) and give a diminished IP response relative to the interpreted pyrite halo surrounding it.

This scenario differs somewhat from the sulphide zonation observed at the Cliff Zone where IP responses have successfully identified the chalcopyrite + pyrrhotite ± bornite ± molybdenite ± pyrite mineralization. At the Cliff Zone this mineralized core containing approximately 1.5 vol% total sulphides extends up to 350 m from the centre of the system while a 1.5 – 3 vol% pyrite halo occurs 2 – 4 km from the centre of the mineralized system. This leaves a relatively un-mineralized ring, approximately 1 – 1.5 km in width, with less than ~0.5 vol% total sulphides, surrounding the mineralized core and allowing geophysical techniques to more accurately delineate the Cu-rich portion of the Cliff Zone. As interpreted here, the HBZ lacks this broad relatively un-mineralized zone between the chalcopyrite-dominated core and the pyrite-dominated halo changing the way in which IP survey responses should be interpreted. It appears likely that within the HBZ it is the 'donut hole' between chargeability anomalies C1 and C2 that represents the Cu-rich portion this satellite porphyry system.

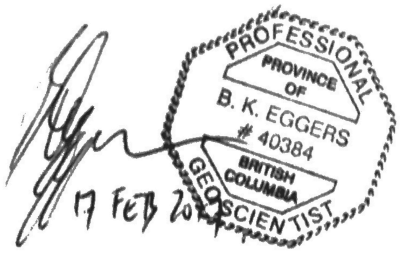
RECOMMENDATIONS:

The Hecate Bay Zone of the Catface porphyry system continues to represent one of the more favourable exploration targets on the property. Work completed within the HBZ to date has confirmed the presence of low-grade Cu-(Mo) mineralization hosted within the Hecate Bay tonalite and Karmutsen volcanics with a prominent soil geochemical signature and a broad geophysical response that remains relatively untested.

Future work should focus on building the geochemical grid coverage across the HBZ, initially through locating the 1990 Falconbridge soil survey data followed by extensions of the existing grid to the south and east where the defined Cu-Mo anomalism remains open. Detailed geological mapping and rock sampling within the vicinity of the soil Cu-Mo anomalism would assist in defining the surface expression of this mineralized zone prior to drill testing.

There is already strong evidence to support the HBZ as a valid drill-ready target on the Catface property. Given the steep topography on the slopes of South Peak drill access to the area is challenging, but the Cu mineralization could be targeted from the existing access road. In addition, several overgrown logging trails are present at lower elevations on these slopes and could be reactivated to allow for more optimal drill collar positioning.

Respectfully submitted,



Benjamin Eggers, P.Geo.
Blackbird Geoscience Ltd.

STATEMENT OF QUALIFICATIONS:

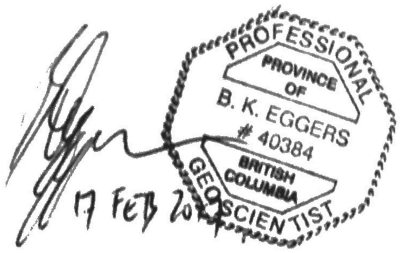
For: Benjamin Eggers of 321 Olsen Road, Tofino, British Columbia.

I am a Consulting Geologist and Director with Blackbird Geoscience Ltd. with offices at 321 Olsen Road, Tofino, British Columbia V0R 2Z0;

I graduated from the University of Otago, New Zealand with a Bachelor of Science Degree with Honours in Geology (2004) and have been practicing my profession as a geologist in mineral exploration and mining continuously since graduation;

I am a registered member in good standing as a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of British Columbia (Licence #40384);

The observations, conclusions and recommendations contained in this report are based on supervision of the described program, field examinations and the evaluation of results of the exploration program completed by the operator of the property.



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Benjamin Eggers, P. Geo.
Blackbird Geoscience Ltd.

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SECTION B: PROPERTY

SCHEDULE OF MINERAL TENURES:

The "good to" dates shown are based on the Statement of Exploration and Development Work registered on Mineral Titles Online on December 13, 2016 as Event #5629218 and assume that the work contained in this report will be accepted for assessment purposes.

CATFACE PROPERTY - MINERAL TENURES									Date:	Feb 17 2017
OWNER: Catface Copper Mines Limited			100.0%		BC Client No.	104480			Tenures	138
BACK-IN RIGHT: Glencore Canada Corporation			50.1%						Units/Cells	159
or ROYALTY: Glencore Canada Corporation			9.0% Net Proceeds of Production						Area (ha)	3,797.28
MINING DIVISION: Alberni			LAND DISTRICT: Clayoquot				LAND TITLE DISTRICT: Victoria			
LOCATION: in the Catface Range 13 km north-northwest of Tofino, BC										
MAP NO.	NTS:	92E/01E, 08E; 92F/04W, 05W	GEOGRAPHIC COORDINATES:		49° 15.6′ N;	125° 59.3′ W				
	BCGS:	92E030, 92F021	UTM COORDINATES (NAD 83, ZONE 10):		5 460 300 N	283 200 E				

Mining Lease:

Tenure No.	Tenure Type	Plan No.	Map No.	Issue Date	Good To Date	Term Expiry	Units/Cells	Area (ha)	Rent Rate	Rent
345339	Lease - 30 yr.	DL 2145, Clayoquot	092F021	1996/sep/25	2017/sep/25	2026/sep/25	15	252.0	$20.00	$5,040.00

Mineral Claims:

Tenure No.	Tenure Type	Claim Name	Map No.	Record Date	Good To Date	Work Year	Units/Cells	Area (ha)	Work Factor	Work
Legacy Claims:										
201363	Mineral	CATFACE #8	092F021	1961/may/12	2019/dec/15	1	1	25.0	$5.00	$125.00
201392	Mineral	CATFACE #36	092F021	1961/dec/04	2019/dec/15	1	1	25.0	$5.00	$125.00
201393	Mineral	CATFACE #38	092F021	1961/dec/04	2019/dec/15	1	1	25.0	$5.00	$125.00
201394	Mineral	CATFACE #40	092F021	1961/dec/04	2019/dec/15	1	1	25.0	$5.00	$125.00
201395	Mineral	CATFACE #41	092F021	1961/dec/14	2019/dec/15	1	1	25.0	$5.00	$125.00
201396	Mineral	CATFACE #42	092F021	1961/dec/14	2019/dec/15	1	1	25.0	$5.00	$125.00
201397	Mineral	CATFACE #43	092F021	1961/dec/14	2019/dec/15	1	1	25.0	$5.00	$125.00
201398	Mineral	CATFACE #44	092F021	1961/dec/14	2019/dec/15	1	1	25.0	$5.00	$125.00
201399	Mineral	CATFACE #45	092F021	1961/dec/14	2019/dec/15	1	1	25.0	$5.00	$125.00
201400	Mineral	CATFACE #46	092F021	1961/dec/14	2019/dec/15	1	1	25.0	$5.00	$125.00
201401	Mineral	CATFACE #47	092F021	1961/dec/14	2019/dec/15	1	1	25.0	$5.00	$125.00
201402	Mineral	CATFACE #48	092F021	1961/dec/14	2019/dec/15	1	1	25.0	$5.00	$125.00
201416	Mineral	CATFACE #50	092F021	1962/feb/20	2019/dec/15	1	1	25.0	$5.00	$125.00
201417	Mineral	CATFACE #52	092F021	1962/feb/20	2019/dec/15	1	1	25.0	$5.00	$125.00
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201421	Mineral	CATFACE #58	092F021	1962/feb/20	2019/dec/15	1	1	25.0	$5.00	$125.00
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201428	Mineral	CATFACE #65	092F021	1962/feb/20	2019/dec/15	1	1	25.0	$5.00	$125.00
201429	Mineral	CATFACE #66	092F021	1962/feb/20	2019/dec/15	1	1	25.0	$5.00	$125.00
201430	Mineral	CATFACE #67	092F021	1962/feb/20	2019/dec/15	1	1	25.0	$5.00	$125.00
201431	Mineral	CATFACE #68	092E030	1962/feb/20	2019/dec/15	1	1	25.0	$5.00	$125.00
201432	Mineral	CATFACE #69	092F021	1962/feb/20	2019/dec/15	1	1	25.0	$5.00	$125.00
201433	Mineral	CATFACE #70	092F021	1962/feb/20	2019/dec/15	1	1	25.0	$5.00	$125.00
201434	Mineral	CATFACE #71	092F021	1962/feb/20	2019/dec/15	1	1	25.0	$5.00	$125.00
201435	Mineral	CATFACE #72	092F021	1962/feb/20	2019/dec/15	1	1	25.0	$5.00	$125.00
201436	Mineral	CATFACE #73	092F021	1962/feb/20	2019/dec/15	1	1	25.0	$5.00	$125.00
201437	Mineral	CATFACE #74	092F021	1962/feb/20	2019/dec/15	1	1	25.0	$5.00	$125.00
201438	Mineral	CATFACE #75	092F021	1962/feb/20	2018/dec/15	5	1	25.0	$15.00	$375.00
201439	Mineral	CATFACE #76	092F021	1962/feb/20	2018/dec/15	5	1	25.0	$15.00	$375.00
201440	Mineral	CATFACE #77	092F021	1962/feb/20	2018/dec/15	5	1	25.0	$15.00	$375.00
201441	Mineral	CATFACE #78	092E030	1962/feb/20	2018/dec/15	5	1	25.0	$15.00	$375.00
201442	Mineral	CATFACE #79	092E030	1962/feb/20	2018/dec/15	5	1	25.0	$15.00	$375.00
201443	Mineral	CATFACE #80	092E030	1962/feb/20	2018/dec/15	5	1	25.0	$15.00	$375.00
201444	Mineral	CATFACE #81	092E030	1962/feb/20	2018/dec/15	5	1	25.0	$15.00	$375.00
201445	Mineral	CATFACE #82	092E030	1962/feb/20	2018/dec/15	5	1	25.0	$15.00	$375.00
201446	Mineral	CATFACE #83	092E030	1962/feb/20	2018/dec/15	5	1	25.0	$15.00	$375.00
201447	Mineral	CATFACE #84	092E030	1962/feb/20	2018/dec/15	5	1	25.0	$15.00	$375.00
201448	Mineral	CATFACE #85	092E030	1962/feb/20	2018/dec/15	5	1	25.0	$15.00	$375.00
201449	Mineral	CATFACE #87	092E030	1962/feb/20	2018/dec/15	5	1	25.0	$15.00	$375.00
201450	Mineral	CATFACE #89	092E030	1962/feb/20	2018/dec/15	5	1	25.0	$15.00	$375.00
201451	Mineral	CATFACE #91	092E030	1962/feb/20	2018/dec/15	5	1	25.0	$15.00	$375.00
201452	Mineral	CATFACE #92	092E030	1962/feb/20	2018/dec/15	5	1	25.0	$15.00	$375.00
201453	Mineral	CATFACE #93	092E030	1962/feb/20	2018/dec/15	5	1	25.0	$15.00	$375.00
201454	Mineral	CATFACE #95	092E030	1962/feb/20	2018/dec/15	5	1	25.0	$15.00	$375.00
201455	Mineral	CATFACE #97	092E030	1962/feb/20	2018/dec/15	5	1	25.0	$15.00	$375.00
201456	Mineral	CATFACE #99	092E030	1962/feb/20	2018/dec/15	5	1	25.0	$15.00	$375.00
201457	Mineral	CATFACE #100	092E030	1962/feb/20	2018/dec/15	5	1	25.0	$15.00	$375.00
201458	Mineral	CATFACE #101	092E030	1962/feb/20	2018/dec/15	5	1	25.0	$15.00	$375.00
201466	Mineral	CATFACE #102	092F021	1962/apr/05	2019/dec/15	1	1	25.0	$5.00	$125.00
201467	Mineral	CATFACE #103	092F021	1962/apr/05	2019/dec/15	1	1	25.0	$5.00	$125.00
201468	Mineral	CATFACE #104	092F021	1962/apr/05	2019/dec/15	1	1	25.0	$5.00	$125.00
201469	Mineral	CATFACE #105	092E030	1962/apr/05	2018/dec/15	5	1	25.0	$15.00	$375.00
201470	Mineral	CATFACE #106	092E030	1962/apr/05	2018/dec/15	5	1	25.0	$15.00	$375.00
201471	Mineral	CATFACE #107	092E030	1962/apr/05	2018/dec/15	5	1	25.0	$15.00	$375.00
201472	Mineral	CATFACE #108	092E030	1962/apr/05	2018/dec/15	5	1	25.0	$15.00	$375.00
201473	Mineral	CATFACE #109	092E030	1962/apr/05	2018/dec/15	5	1	25.0	$15.00	$375.00

201474	Mineral	CATFACE #110	092E030	1962/apr/05	2018/dec/15	5	1	25.0	$15.00	$375.00
201475	Mineral	CATFACE #111	092E030	1962/apr/05	2018/dec/15	5	1	25.0	$15.00	$375.00
201476	Mineral	CATFACE #112	092E030	1962/apr/05	2018/dec/15	5	1	25.0	$15.00	$375.00
201477	Mineral	CATFACE #113	092E030	1962/apr/05	2018/dec/15	5	1	25.0	$15.00	$375.00
201478	Mineral	CATFACE #114	092E030	1962/apr/05	2018/dec/15	5	1	25.0	$15.00	$375.00
201479	Mineral	CATFACE #115	092E030	1962/may/10	2018/dec/15	5	1	25.0	$15.00	$375.00
201480	Mineral	CATFACE #116	092E030	1962/may/10	2018/dec/15	5	1	25.0	$15.00	$375.00
201481	Mineral	CATFACE #117	092E030	1962/may/10	2018/dec/15	5	1	25.0	$15.00	$375.00
201482	Mineral	CATFACE #118	092E030	1962/may/10	2018/dec/15	5	1	25.0	$15.00	$375.00
201483	Mineral	CATFACE #119	092E030	1962/may/10	2018/dec/15	5	1	25.0	$15.00	$375.00
201484	Mineral	CATFACE #120	092E030	1962/may/10	2018/dec/15	5	1	25.0	$15.00	$375.00
201485	Mineral	CATFACE #123	092F021	1962/may/10	2019/dec/15	1	1	25.0	$5.00	$125.00
201489	Mineral	CATFACE #130	092F021	1962/jul/10	2019/dec/15	1	1	25.0	$5.00	$125.00
201490	Mineral	CATFACE #131	092F021	1962/jul/10	2019/dec/15	1	1	25.0	$5.00	$125.00
201598	Mineral	CATFACE #14 FR.	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201599	Mineral	CATFACE #15 FR.	092F021	1970/mar/31	2018/dec/15	5	1	25.0	$15.00	$375.00
201600	Mineral	CATFACE #16 FR.	092F021	1970/mar/31	2018/dec/15	5	1	25.0	$15.00	$375.00
201603	Mineral	CATFACE #19 FR.	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201605	Mineral	CATFACE #21	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201606	Mineral	CATFACE #22	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201607	Mineral	CATFACE #23	092F021	1970/mar/31	2018/dec/15	5	1	25.0	$15.00	$375.00
201608	Mineral	CATFACE #24	092F021	1970/mar/31	2018/dec/15	5	1	25.0	$15.00	$375.00
201609	Mineral	CATFACE #25	092F021	1970/mar/31	2018/dec/15	5	1	25.0	$15.00	$375.00
201610	Mineral	CATFACE #26	092F021	1970/mar/31	2018/dec/15	5	1	25.0	$15.00	$375.00
201611	Mineral	CATFACE #27	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201612	Mineral	CATFACE #28	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201613	Mineral	CATFACE #29	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201614	Mineral	CATFACE #30	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201615	Mineral	CATFACE #31	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201616	Mineral	CATFACE #32 FR.	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201617	Mineral	CATFACE #33	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201618	Mineral	CATFACE #34	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201619	Mineral	CATFACE #35	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201622	Mineral	CATFACE #49	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201623	Mineral	CATFACE #51	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201624	Mineral	CATFACE #55 FR.	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201625	Mineral	CATFACE #57	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201626	Mineral	CATFACE #86	092E030	1970/mar/31	2018/dec/15	5	1	25.0	$15.00	$375.00
201627	Mineral	CATFACE #88	092E030	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201628	Mineral	CATFACE #90	092E030	1970/mar/31	2018/dec/15	5	1	25.0	$15.00	$375.00

201629	Mineral	CATFACE #94	092E030	1970/mar/31	2018/dec/15	5	1	25.0	$15.00	$375.00
201630	Mineral	CATFACE #96	092F021	1970/mar/31	2018/dec/15	5	1	25.0	$15.00	$375.00
201631	Mineral	CATFACE #98	092F021	1970/mar/31	2018/dec/15	5	1	25.0	$15.00	$375.00
201632	Mineral	CATFACE #121	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201633	Mineral	CATFACE #122	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201634	Mineral	CATFACE #124	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201635	Mineral	CATFACE #125	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201636	Mineral	CATFACE #126	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201637	Mineral	CATFACE #127 FR.	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201638	Mineral	CATFACE #128	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201639	Mineral	CATFACE #129	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201640	Mineral	CATFACE #132 FR.	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201641	Mineral	CATFACE #133 FR.	092F021	1970/mar/31	2018/dec/15	5	1	25.0	$15.00	$375.00
201642	Mineral	CATFACE #134	092F021	1970/mar/31	2019/dec/15	1	1	25.0	$5.00	$125.00
201643	Mineral	CATFACE #138 FR.	092F021	1970/may/07	2018/dec/15	5	1	25.0	$15.00	$375.00
201644	Mineral	CATFACE #139 FR.	092E030	1970/may/07	2018/dec/15	5	1	25.0	$15.00	$375.00
201645	Mineral	CATFACE #141 FR.	092F021	1970/may/15	2019/dec/15	1	1	25.0	$5.00	$125.00
201646	Mineral	CATFACE #143 FR.	092F021	1970/may/19	2019/dec/15	1	1	25.0	$5.00	$125.00
201647	Mineral	CATFACE #145 FR.	092E030	1970/may/19	2018/dec/15	5	1	25.0	$15.00	$375.00
201648	Mineral	CATFACE #134 FR.	092E030	1970/may/08	2018/dec/15	5	1	25.0	$15.00	$375.00
201649	Mineral	CATFACE #135 FR.	092E030	1970/may/08	2018/dec/15	5	1	25.0	$15.00	$375.00
201650	Mineral	CATFACE #136 FR.	092E030	1970/may/08	2018/dec/15	5	1	25.0	$15.00	$375.00
201651	Mineral	CATFACE #137 FR.	092E030	1970/may/08	2018/dec/15	5	1	25.0	$15.00	$375.00
201652	Mineral	CATFACE #144 FR.	092F021	1970/jun/01	2019/dec/15	1	1	25.0	$5.00	$125.00
201653	Mineral	CATFACE #142 FR.	092F021	1970/jun/01	2019/dec/15	1	1	25.0	$5.00	$125.00
201654	Mineral	CATFACE #140 FR.	092F021	1970/jun/01	2019/dec/15	1	1	25.0	$5.00	$125.00
342307	Mineral	CATFACE #149 FR	092F021	1995/nov/29	2019/dec/15	1	1	25.0	$5.00	$125.00
Subtotal	130						130	3,250.00		$30,250.00
Cell Claims:										
584343	Mineral	CCML01	092F021	2008/may/15	2018/dec/15	5	2	42.18	$15.00	$632.70
584344	Mineral	CCML02	092F021	2008/may/15	2018/dec/15	5	1	21.09	$15.00	$316.35
584345	Mineral	CCML03	092F021	2008/may/15	2018/dec/15	5	1	21.09	$15.00	$316.35
584347	Mineral	CCML04	092F021	2008/may/15	2017/aug/15	5	1	21.08	$15.00	$316.20
604683	Mineral	CCML05	092F021	2009/may/19	2018/dec/15	5	5	105.47	$15.00	$1,582.05
604686	Mineral	CCML06	092F021	2009/may/19	2018/dec/15	5	2	42.19	$15.00	$632.85
604688	Mineral	CCML07	092F021	2009/may/19	2018/dec/15	5	2	42.18	$15.00	$632.70
Subtotal	7						14	295.28		$4,429.20
TOTAL	**138**						**159**	**3,797.28**		**$39,719.20**

Good to Dates are based on a Statement of Exploration and Development Work registered on December 13, 2016 as Event #5629218

SECTION C: EXPENDITURES

CATFACE 2016 GEOCHEMICAL SAMPLING PROGRAM

CATFACE COPPER MINES LIMITED

CATFACE PROJECT **Statement of Expenditures: 2016 Geochemical / Geological Sampling Program** **Feb 17 2017**

Item / Contractor	Work	Period	Quantity	Unit	Rate	Amount
Personnel:						
Jim Miller-Tait, P.Geo.	Exploration Manager, general supervision	Mar 30 - Nov 09, 2016	3	days	$550.00	$1,650.00
Ben Eggers, P.Geo	Geologist	Mar 31-Jun 9 & Nov 9, 2016	9.5	days	$450.00	$4,275.00
Bill Fischer	Geologist	Jun 7-9, 2016	3	days	$400.00	$1,200.00
George Frank	Field assistant	Mar 31-Jun 9 & Nov 9, 2016	6.75	days	$300.00	$2,025.00
Tom Balfour	Field assistant	Jun 8-9, 2016	2	days	$275.00	$550.00
Christian Swan	Field assistant	Jun 6-9, 2016	4	days	$200.00	$800.00
Scottie Sam	Field assistant	Jun 6-9, 2016	4	days	$200.00	$800.00
Keon Frank	Field assistant	Jun 6, 2016	1	days	$200.00	$200.00
Subtotal						$11,500.00
Accommodation & Meals:						
Meals - Crew	Geochem program	Jun 7-10, 2016	3	days		$120.00
Meals - Exploration Manager	Geochem program	Mar 30-31, 2016	1	day		$55.00
Marina West Motel	Geologist	Jun 7-10, 2016	3	days	$155.51	$466.53
Marina West Motel	Exploration Manager	Mar 30, 2016	1	days	$148.05	$148.05
Subtotal						$789.58
Transportation (Air):						
Atleo Air	Helicopter transport from Tofino to property	Mar 31 2016	1.1	hours	$1,300.00	$1,430.00
Subtotal						$1,430.00
Transportation (Ground/Water)						
Exploration Manager Pickup - Ford F150	Tofino-Vancouver	Mar 30-31, 2016	300	km	$0.40	$120.00
Exploration Manager Pickup - Fuel	Tofino-Vancouver	Mar 30-31, 2016				$45.00
Tofino Water Taxi	Crew transport Tofino-Hecate Bay-Tofino	Jun 6-9, 2016	4	day	$300.00	$1,200.00
Tofino Boating	Crew transport Tofino-Hecate Bay-Tofino	Nov 9, 2016	1	day	$250.00	$250.00
Leonard John - Water Taxi	Crew transport Ahousaht-Hecate Bay-Ahousaht	Jun 6-9 & Nov 9, 2016	5	day	$200.00	$1,000.00
Subtotal						$2,615.00
Assaying:						
Bureau Veritas Mineral Laboratories	B Soil Samples: AQ201 analytical code	Jun 23-Jul 06 2016	201	samples	$19.70	$3,958.82
Bureau Veritas Mineral Laboratories	Rock Samples: AQ201 analytical code	Jun 23-Jul 05 2016	2	samples	$23.62	$47.24
Bureau Veritas Mineral Laboratories	Rock Samples: AQ201 analytical code	Nov 09 2016	9	samples	$20.81	$187.29

Subtotal			212			$4,193.35
Freight:						
Greyhound Courier Express	Sample shipment: Tofino to Vancouver	Jun 24, 2016				$83.35
Greyhound Courier Express	Sat phone shipment: Vancouver to Tofino	Jun 6, 2016				$27.58
Greyhound Courier Express	Sample shipment: Tofino to Vancouver	Nov 16 2016				$30.34
Subtotal						$141.27
Field Supplies:						
Deakin Equipment Ltd., Local sources	Sampling & engineering supplies					$315.20
Blackbird Geoscience Ltd	2-Way Radio rental x 2		5	days	$10.00	$50.00
Blackbird Geoscience Ltd	inReach Satellite communicator		1	days	$10.00	$10.00
Globalstar	Satellite Phone rental		1	mo	$60.00	$60.00
Subtotal						$435.20
Drafting:						
Melissa Darney	GIS work: drafting of report maps		2	days	$300.00	$600.00
Subtotal						$600.00
Report Preparation:						
Ben Eggers	Data compilation, report preparation		3	days	$450.00	$1,350.00
Erik Andersen	Data preparation, report editing		6	hours	$54.30	$325.80
Subtotal						$1,675.80
Total	**Tenures: 201401, 201416, 201417, 201418, 201424, 201623, 201636, 201645 & 342307**					**$23,380.20**
				Maximum PAC Factor		**1.4285**
				Maximum Assessment		**$33,398.62**

SECTION D: ANALYTICAL REPORTS

1. Analyses carried out by Bureau Veritas Commodities Canada. of Vancouver, B.C.

File Number	Date of Certificate	No. of Samples	Sample Type	Analytical Procedure
Mineral Analysis:				
VAN16001013	Jul 06 2016	201	Soil	AQ201
VAN16001015	Jul 05 2016	2	Rock	AQ201
VAN16002359	Dec 16 2016	9	Rock	AQ201
Total		**212**		

2. Statement of Analytical Procedures: 1 data sheet
    - Bureau Veritas AQ300, AQ200; Multi-Element (37) Assay by ICP-ES/MS; Aqua Regia Digestion

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

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

Submitted By: Email Distribution List
Receiving Lab: Canada-Vancouver
Received: June 23, 2016
Report Date: July 06, 2016
Page: 1 of 8

CERTIFICATE OF ANALYSIS VAN16001013.1

CLIENT JOB INFORMATION

Project:	CATFACE
Shipment ID:	CCML2016-01
P.O. Number	
Number of Samples:	205

SAMPLE DISPOSAL

DISP-PLP	Dispose of Pulp After 90 days
DISP-RJT-SOIL	Immediate Disposal of Soil Reject

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	201	Dry at 60C			VAN
SS80	201	Dry at 60C sieve 100g to -80 mesh			VAN
AQ201	200	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
DRPLP	201	Warehouse handling / disposition of pulps			VAN

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory 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. Bureau Veritas 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.

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

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

Project: CATFACE
Report Date: July 06, 2016

CERTIFICATE OF ANALYSIS VAN16001013.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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
54S+00E	Soil	0.8	58.3	4.4	11	<0.1	9.3	3.5	70	3.66	2.5	3.4	1.0	7	<0.1	0.2	0.2	95	0.14	0.026	4
54S+25E	Soil	0.7	41.6	6.1	12	0.1	8.2	3.6	103	4.71	2.5	2.6	1.5	6	<0.1	0.2	0.3	154	0.13	0.021	4
54S+50E	Soil	0.9	41.2	6.6	18	<0.1	9.7	8.0	127	5.82	1.9	<0.5	2.3	6	<0.1	0.3	0.3	190	0.12	0.016	3
54S+75E	Soil	0.6	8.2	3.6	5	0.2	3.3	1.5	34	1.26	<0.5	5.2	0.2	5	<0.1	0.2	0.2	126	0.11	0.012	2
54S+100E	Soil	0.7	34.1	31.7	16	<0.1	11.4	5.7	224	1.70	2.1	2.7	0.4	15	<0.1	0.2	0.2	58	0.30	0.018	2
54S+125E	Soil	0.8	44.2	57.9	21	0.2	19.0	6.3	90	2.84	9.9	14.4	0.4	10	<0.1	0.3	0.3	116	0.19	0.019	2
54S+150E	Soil	0.5	108.2	2.9	13	<0.1	18.2	5.4	95	1.93	3.5	3.4	0.4	10	<0.1	0.1	0.3	70	0.30	0.011	2
54S+175E	Soil	0.8	36.8	5.0	10	0.3	8.0	3.0	79	2.33	2.0	2.0	0.2	11	0.1	0.1	0.2	79	0.20	0.031	2
54S+200E	Soil	0.7	31.8	2.8	8	0.1	6.0	5.7	100	1.59	0.9	2.3	0.2	8	<0.1	<0.1	0.2	62	0.16	0.017	2
54S+225E	Soil	0.9	75.1	3.9	11	0.2	9.4	6.5	92	2.43	1.4	2.7	0.3	6	<0.1	0.1	0.2	85	0.15	0.026	2
54S+250E	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.
54S+275E	Soil	0.9	51.7	5.1	9	0.2	6.9	2.6	50	2.50	1.4	2.1	0.2	7	<0.1	0.1	0.3	91	0.13	0.043	2
54S+300E	Soil	0.7	156.8	4.7	15	0.4	9.5	3.4	58	2.57	2.5	2.0	0.2	8	0.1	0.1	0.9	72	0.11	0.035	2
54S+325E	Soil	1.6	110.4	3.2	8	0.4	5.3	2.0	53	3.68	4.4	5.9	0.3	7	<0.1	0.1	1.5	114	0.10	0.024	2
54S+350E	Soil	1.5	207.8	3.7	14	0.4	11.0	3.3	81	2.28	3.9	3.8	0.9	11	<0.1	<0.1	2.8	58	0.12	0.038	3
54S+375E	Soil	2.1	191.5	3.2	14	0.3	8.9	4.0	165	2.93	7.4	2.9	0.6	8	<0.1	0.1	1.8	91	0.14	0.041	3
54S+400E	Soil	2.0	219.1	3.8	11	0.8	8.9	2.8	58	5.02	1.8	16.2	0.4	4	<0.1	0.1	2.0	132	0.07	0.034	1
54S+425E	Soil	5.7	526.2	3.5	21	1.9	16.1	6.4	104	5.52	2.1	4.8	0.4	9	<0.1	0.1	2.2	183	0.14	0.027	2
54S+450E	Soil	1.5	93.5	5.8	7	1.0	6.9	2.1	34	3.41	1.0	3.0	0.3	6	<0.1	0.1	0.8	105	0.08	0.033	1
54S+475E	Soil	0.7	56.2	4.2	5	0.4	5.3	1.6	27	1.89	0.9	9.1	0.2	5	<0.1	<0.1	0.2	85	0.06	0.030	2
54S+500E	Soil	2.0	172.5	3.9	11	0.8	11.9	3.6	64	4.26	4.3	6.3	0.9	7	0.1	0.3	0.5	143	0.13	0.033	2
54S+525E	Soil	0.8	333.0	2.5	20	0.3	25.1	8.0	153	2.82	4.0	4.2	0.4	14	<0.1	0.2	0.3	82	0.25	0.034	2
54S+550E	Soil	3.5	1292.9	2.3	28	0.3	19.9	11.6	214	3.45	2.2	24.3	0.3	17	<0.1	0.1	1.5	105	0.23	0.044	3
54S+575E	Soil	4.3	1308.5	2.2	30	0.7	24.7	13.9	271	2.66	2.6	12.4	0.8	28	0.1	0.2	0.3	65	0.57	0.055	3
54S+600E	Soil	1.2	438.3	3.1	30	0.3	42.3	11.4	212	2.85	8.9	3.4	0.4	20	0.1	0.2	0.2	81	0.34	0.051	2
54S+625E	Soil	1.1	1259.3	3.6	45	<0.1	32.1	15.7	238	3.47	4.1	3.6	1.6	14	<0.1	0.1	0.1	86	0.25	0.050	4
54S+650E	Soil	1.8	233.9	3.6	9	0.6	11.7	3.8	54	5.81	3.0	8.6	1.1	5	0.1	0.3	0.4	172	0.12	0.028	6
54S+675E	Soil	1.0	532.5	2.1	14	0.7	14.6	4.2	62	4.24	3.0	3.9	1.1	6	<0.1	0.1	0.3	115	0.12	0.036	2
54S+700E	Soil	1.4	308.9	2.6	21	0.5	32.0	7.7	86	3.10	2.9	6.5	0.7	13	<0.1	0.2	0.3	88	0.16	0.034	2
54S+725E	Soil	1.2	178.2	2.7	11	0.4	17.9	4.9	59	3.46	2.6	1.6	0.9	10	<0.1	0.1	0.3	101	0.15	0.026	2

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

Project: CATFACE
Report Date: July 06, 2016

CERTIFICATE OF ANALYSIS VAN16001013.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		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
54S+00E	Soil		39	0.21	15	0.248	2	2.91	0.015	0.02	0.2	0.17	4.3	<0.1	<0.05	12	3.2	<0.2
54S+25E	Soil		47	0.20	16	0.313	4	2.52	0.015	0.02	0.1	0.17	4.7	<0.1	<0.05	16	1.9	<0.2
54S+50E	Soil		43	0.57	48	0.341	2	2.83	0.016	0.05	<0.1	0.09	4.2	<0.1	<0.05	18	0.9	<0.2
54S+75E	Soil		18	0.08	5	0.178	2	0.29	0.011	0.01	<0.1	0.08	1.1	<0.1	<0.05	6	<0.5	<0.2
54S+100E	Soil		25	0.24	20	0.175	3	1.17	0.019	0.02	0.2	0.11	2.0	<0.1	<0.05	8	0.6	<0.2
54S+125E	Soil		43	0.40	14	0.253	2	1.33	0.020	0.03	0.3	0.08	2.2	<0.1	<0.05	11	0.6	<0.2
54S+150E	Soil		35	0.35	12	0.201	1	1.71	0.027	0.02	0.4	0.04	3.1	<0.1	<0.05	8	<0.5	<0.2
54S+175E	Soil		16	0.14	9	0.134	5	0.89	0.016	0.03	0.2	0.14	1.3	<0.1	<0.05	9	1.2	<0.2
54S+200E	Soil		14	0.12	6	0.122	2	0.74	0.013	<0.01	0.2	0.05	1.5	<0.1	<0.05	7	0.5	<0.2
54S+225E	Soil		27	0.16	6	0.148	2	1.95	0.016	0.02	0.3	0.09	2.5	<0.1	<0.05	10	1.2	<0.2
54S+250E	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.
54S+275E	Soil		17	0.16	8	0.169	3	1.18	0.017	0.03	0.3	0.17	1.5	<0.1	<0.05	9	1.0	<0.2
54S+300E	Soil		23	0.15	8	0.139	2	1.77	0.014	0.02	1.0	0.17	2.0	<0.1	<0.05	9	1.9	<0.2
54S+325E	Soil		20	0.13	9	0.184	2	1.19	0.015	0.02	1.5	0.09	1.8	<0.1	<0.05	11	1.4	<0.2
54S+350E	Soil		27	0.22	16	0.140	3	4.00	0.016	0.02	0.9	0.17	3.0	<0.1	<0.05	8	1.7	<0.2
54S+375E	Soil		29	0.22	10	0.140	2	3.90	0.016	0.02	0.7	0.22	4.0	<0.1	<0.05	9	2.1	<0.2
54S+400E	Soil		30	0.16	7	0.194	2	1.69	0.011	0.02	0.4	0.17	2.0	<0.1	<0.05	14	1.7	<0.2
54S+425E	Soil		54	0.50	13	0.225	1	2.96	0.017	0.02	0.4	0.16	3.9	<0.1	<0.05	16	2.0	<0.2
54S+450E	Soil		21	0.10	5	0.170	2	1.07	0.012	0.02	0.4	0.18	1.3	<0.1	<0.05	11	1.7	<0.2
54S+475E	Soil		16	0.05	6	0.104	1	0.78	0.008	0.01	0.3	0.15	1.1	<0.1	<0.05	7	0.8	<0.2
54S+500E	Soil		65	0.19	6	0.296	3	3.12	0.013	0.01	0.5	0.25	5.0	<0.1	<0.05	13	3.6	<0.2
54S+525E	Soil		41	0.41	27	0.191	2	2.91	0.022	0.02	1.3	0.14	3.4	<0.1	<0.05	8	1.4	<0.2
54S+550E	Soil		25	0.73	44	0.156	1	3.03	0.020	0.04	0.8	0.15	3.1	<0.1	<0.05	8	1.2	<0.2
54S+575E	Soil		36	0.66	46	0.160	2	2.93	0.028	0.07	5.0	0.11	3.9	0.1	<0.05	8	1.0	<0.2
54S+600E	Soil		63	0.75	36	0.166	3	2.99	0.027	0.03	0.8	0.12	3.8	<0.1	<0.05	7	1.1	<0.2
54S+625E	Soil		48	1.02	98	0.269	1	2.85	0.021	0.15	2.0	0.07	4.1	0.2	<0.05	8	0.5	<0.2
54S+650E	Soil		55	0.17	8	0.288	2	3.40	0.012	0.01	0.5	0.24	4.3	<0.1	<0.05	16	2.8	<0.2
54S+675E	Soil		60	0.27	11	0.198	3	6.10	0.013	0.01	1.2	0.26	7.7	<0.1	<0.05	11	3.7	<0.2
54S+700E	Soil		46	0.44	36	0.173	2	3.68	0.019	0.02	0.7	0.14	4.2	<0.1	<0.05	10	1.6	<0.2
54S+725E	Soil		44	0.25	11	0.203	3	2.90	0.016	0.01	0.4	0.14	3.2	<0.1	<0.05	12	2.0	<0.2

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

Project: CATFACE
Report Date: July 06, 2016

CERTIFICATE OF ANALYSIS VAN16001013.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		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
54S+750E	Soil		0.8	296.9	2.8	22	0.1	45.3	12.6	159	2.51	5.1	3.0	0.5	21	0.1	0.2	0.2	70	0.32	0.038	2
54S+775E	Soil		2.3	72.3	4.0	5	0.3	10.2	3.2	32	5.96	2.9	1.8	0.5	5	<0.1	0.3	0.4	208	0.09	0.019	2
54S+800E	Soil		3.7	204.0	3.4	11	0.3	16.1	4.7	99	3.53	2.9	2.9	1.3	7	<0.1	0.2	0.3	101	0.13	0.023	4
54S+825E	Soil		17.5	613.5	4.3	34	0.2	33.3	22.8	392	2.79	2.4	1.0	1.1	32	0.1	0.2	0.2	78	0.36	0.021	3
54S+850E	Soil		3.8	319.0	2.6	12	0.1	13.0	4.5	71	3.91	2.5	2.6	1.6	17	<0.1	0.2	0.2	102	0.14	0.016	2
54S+875E	Soil		11.2	895.4	4.5	25	0.6	11.4	8.7	138	3.01	4.3	2.7	0.9	30	0.1	0.1	0.4	85	0.27	0.026	4
54S+900E	Soil		11.7	755.1	3.5	35	0.7	15.1	7.8	112	3.54	2.3	2.3	0.8	35	<0.1	0.2	0.2	110	0.15	0.011	2
54S+925E	Soil		26.1	209.0	6.9	9	0.2	4.5	1.7	46	7.14	15.3	5.4	3.7	5	<0.1	0.3	4.2	133	0.07	0.015	3
54S+950E	Soil		32.7	135.1	8.4	14	0.6	5.8	3.9	98	1.79	1.5	20.1	0.2	16	0.2	0.1	2.4	46	0.18	0.042	3
54S+975E	Soil		11.5	7.2	5.4	8	0.5	1.7	0.5	19	0.32	0.7	21.7	0.3	9	<0.1	0.2	1.1	34	0.20	0.029	3
54S+1000E	Soil		1.5	20.7	1.5	6	0.2	1.0	0.7	37	0.38	<0.5	31.0	0.5	4	<0.1	<0.1	0.3	14	0.04	0.010	3
54S+1025E	Soil		3.2	16.5	3.6	7	0.7	0.8	0.3	29	0.23	<0.5	17.1	0.2	11	0.1	<0.1	0.6	12	0.15	0.026	4
54S+1050E	Soil		3.1	12.5	3.0	3	0.5	0.7	0.2	9	0.31	<0.5	80.9	0.2	8	<0.1	<0.1	1.1	18	0.03	0.016	4
54S+1075E	Soil		2.8	17.5	2.4	4	0.5	0.8	0.3	36	0.20	<0.5	9.4	0.1	6	<0.1	<0.1	0.5	11	0.10	0.015	3
54S+1100E	Soil		15.2	172.4	5.3	8	1.1	3.3	1.2	41	5.33	1.2	6.4	0.8	8	<0.1	0.2	1.6	127	0.07	0.027	4
54S+1125E	Soil		6.2	41.6	6.1	7	0.5	2.2	1.2	23	4.03	1.3	2.4	0.9	10	<0.1	0.2	0.5	96	0.08	0.018	5
54S+25W	Soil		0.8	31.4	10.1	17	<0.1	9.9	4.4	122	4.35	3.5	3.8	1.6	8	0.1	0.3	0.2	109	0.15	0.041	2
54S+50W	Soil		0.6	39.1	4.3	12	<0.1	6.1	2.8	74	3.43	2.7	1.6	1.5	6	0.2	0.2	0.1	93	0.11	0.030	3
54S+75W	Soil		1.1	33.8	7.3	13	0.2	4.6	2.4	62	2.77	6.2	2.8	4.1	11	0.1	0.2	0.1	53	0.10	0.043	6
54S+100W	Soil		0.3	16.8	4.2	10	0.2	4.1	2.1	60	2.57	1.4	0.5	1.4	7	0.2	0.2	<0.1	43	0.09	0.029	4
54S+125W	Soil		0.4	16.8	6.9	16	0.1	10.4	4.6	144	4.32	1.5	1.5	2.6	11	<0.1	0.2	0.1	81	0.09	0.030	6
54S+150W	Soil		0.4	4.5	4.2	6	<0.1	2.4	1.7	47	2.37	1.0	0.9	1.8	5	<0.1	0.4	0.1	86	0.07	0.010	3
54S+175W	Soil		0.6	9.5	7.6	13	<0.1	3.9	1.9	72	3.33	1.8	<0.5	1.1	6	<0.1	0.3	0.1	84	0.11	0.029	2
54S+200W	Soil		0.5	4.1	5.4	8	<0.1	1.1	1.7	57	2.86	1.0	<0.5	0.5	7	<0.1	0.2	<0.1	104	0.10	0.016	2
54S+225W	Soil		0.5	5.7	7.1	6	<0.1	1.3	1.1	69	1.64	<0.5	1.7	0.7	5	<0.1	0.2	0.2	81	0.08	0.009	3
54S+250W	Soil		0.9	14.4	10.7	12	<0.1	3.7	2.5	131	4.48	2.2	<0.5	1.4	9	<0.1	0.4	0.2	109	0.15	0.028	4
54S+275W	Soil		0.9	10.3	9.5	17	<0.1	5.4	4.9	319	2.26	1.1	0.5	0.7	30	<0.1	0.2	0.2	66	0.20	0.024	2
54S+300W	Soil		4.2	30.5	5.2	20	0.1	16.4	6.5	109	4.12	4.0	1.9	2.3	12	<0.1	0.2	0.2	89	0.17	0.036	4
58S+00E	Soil		1.5	37.3	3.6	13	<0.1	10.3	2.9	66	3.66	3.8	1.2	1.0	10	<0.1	0.2	0.1	100	0.21	0.020	2
58S+25E	Soil		0.4	14.9	6.4	11	0.3	4.4	3.1	53	3.56	0.8	2.2	0.1	12	0.1	0.2	0.1	131	0.18	0.041	2

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		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		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
54S+750E	Soil		60	0.66	44	0.164	2	3.19	0.028	0.02	0.8	0.09	4.1	<0.1	<0.05	7	0.8	<0.2
54S+775E	Soil		44	0.12	8	0.344	1	1.59	0.010	0.01	0.2	0.13	1.8	<0.1	<0.05	24	1.5	<0.2
54S+800E	Soil		58	0.23	13	0.212	3	4.86	0.012	0.01	0.6	0.21	5.9	<0.1	<0.05	13	2.9	<0.2
54S+825E	Soil		54	0.76	57	0.212	2	2.21	0.026	0.05	2.6	0.10	3.2	0.1	<0.05	10	1.3	<0.2
54S+850E	Soil		47	0.33	25	0.245	2	2.98	0.018	0.03	2.6	0.06	3.1	<0.1	<0.05	13	0.8	<0.2
54S+875E	Soil		30	0.34	36	0.202	2	2.09	0.019	0.04	3.0	0.12	2.4	0.1	<0.05	11	2.2	<0.2
54S+900E	Soil		41	0.50	27	0.375	<1	1.62	0.018	0.02	0.8	0.04	1.8	<0.1	<0.05	13	<0.5	<0.2
54S+925E	Soil		45	0.14	9	0.261	2	3.74	0.008	0.01	0.1	0.18	4.1	<0.1	<0.05	26	3.1	<0.2
54S+950E	Soil		18	0.11	20	0.101	5	1.05	0.017	0.04	<0.1	0.19	1.3	<0.1	0.07	13	1.4	<0.2
54S+975E	Soil		9	0.06	6	0.069	6	0.22	0.015	0.03	<0.1	0.13	0.8	<0.1	0.05	3	0.6	<0.2
54S+1000E	Soil		8	0.08	4	0.065	3	0.21	0.007	0.01	<0.1	0.05	0.5	<0.1	<0.05	4	<0.5	<0.2
54S+1025E	Soil		2	0.04	10	0.038	4	0.20	0.010	0.03	0.2	0.16	0.5	<0.1	<0.05	2	<0.5	<0.2
54S+1050E	Soil		2	0.02	5	0.053	1	0.28	0.007	0.02	<0.1	0.09	0.4	<0.1	<0.05	4	<0.5	<0.2
54S+1075E	Soil		4	0.02	5	0.034	2	0.13	0.007	0.02	<0.1	0.10	0.4	<0.1	<0.05	2	<0.5	<0.2
54S+1100E	Soil		15	0.09	9	0.229	1	1.15	0.008	0.02	0.1	0.16	0.9	<0.1	<0.05	31	0.6	<0.2
54S+1125E	Soil		14	0.05	13	0.235	3	0.73	0.009	0.02	<0.1	0.15	0.4	<0.1	<0.05	18	0.5	<0.2
54S+25W	Soil		45	0.24	28	0.317	3	3.03	0.016	0.03	0.2	0.25	3.6	<0.1	<0.05	14	1.6	<0.2
54S+50W	Soil		32	0.17	16	0.248	3	3.63	0.012	0.02	0.2	0.20	4.4	<0.1	<0.05	12	2.6	<0.2
54S+75W	Soil		22	0.10	38	0.129	3	4.42	0.012	0.02	0.2	0.25	3.7	<0.1	<0.05	11	3.8	<0.2
54S+100W	Soil		16	0.15	34	0.142	2	3.60	0.012	0.04	0.1	0.20	3.4	<0.1	<0.05	12	3.0	<0.2
54S+125W	Soil		35	0.25	50	0.246	2	3.90	0.012	0.04	<0.1	0.24	4.1	<0.1	<0.05	17	2.3	<0.2
54S+150W	Soil		24	0.06	14	0.154	1	1.08	0.010	0.01	<0.1	0.09	1.2	<0.1	<0.05	9	<0.5	<0.2
54S+175W	Soil		22	0.14	18	0.181	2	1.89	0.013	0.04	<0.1	0.12	1.8	<0.1	<0.05	14	1.0	<0.2
54S+200W	Soil		6	0.05	14	0.148	1	0.52	0.012	0.02	<0.1	0.08	0.9	<0.1	<0.05	12	<0.5	<0.2
54S+225W	Soil		7	0.06	16	0.196	2	0.54	0.008	0.02	<0.1	0.04	0.7	<0.1	<0.05	13	<0.5	<0.2
54S+250W	Soil		16	0.09	22	0.260	1	1.69	0.011	0.03	<0.1	0.17	1.4	<0.1	<0.05	18	0.5	<0.2
54S+275W	Soil		13	0.19	58	0.175	1	0.82	0.016	0.07	<0.1	0.12	1.5	<0.1	<0.05	8	0.5	<0.2
54S+300W	Soil		37	0.16	26	0.221	2	4.97	0.014	0.02	0.2	0.27	4.4	<0.1	<0.05	13	2.6	<0.2
58S+00E	Soil		55	0.21	12	0.237	3	3.74	0.019	0.02	0.2	0.16	4.2	<0.1	<0.05	11	1.9	<0.2
58S+25E	Soil		16	0.16	15	0.105	5	0.93	0.023	0.05	<0.1	0.17	1.5	<0.1	0.09	6	0.6	<0.2

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

Project: CATFACE
Report Date: July 06, 2016

CERTIFICATE OF ANALYSIS VAN16001013.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		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
58S+50E	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.
58S+75E	Soil		1.4	39.2	7.4	14	0.2	9.9	3.4	77	5.55	3.1	1.5	0.9	7	<0.1	0.3	0.3	155	0.15	0.017	2
58S+100E	Soil		1.1	44.1	7.3	10	0.2	5.7	2.3	51	4.90	2.1	2.6	2.0	6	<0.1	0.3	0.3	157	0.11	0.026	3
58S+125E	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.
58S+150E	Soil		0.8	31.0	12.7	12	0.2	6.9	1.8	38	2.42	2.8	3.3	0.4	12	0.1	0.2	0.2	86	0.17	0.036	2
58S+175E	Soil		0.7	64.3	3.6	13	0.2	9.1	6.6	127	2.01	2.3	2.2	0.2	8	<0.1	0.1	0.2	65	0.17	0.034	2
58S+200E	Soil		0.6	131.6	1.8	13	<0.1	18.5	9.0	147	1.87	1.7	4.0	0.5	11	<0.1	<0.1	0.1	61	0.28	0.029	2
58S+225E	Soil		0.9	106.5	3.7	11	0.2	9.6	26.4	428	2.18	1.6	2.2	0.2	7	<0.1	0.2	0.2	63	0.16	0.039	3
58S+250E	Soil		1.1	97.7	5.9	14	0.1	14.5	4.2	131	4.65	5.5	3.9	1.0	7	<0.1	0.3	0.3	133	0.18	0.033	2
58S+275E	Soil		0.7	13.2	5.2	5	0.1	3.3	1.0	32	1.78	0.7	3.3	0.2	3	<0.1	0.2	0.6	116	0.08	0.015	1
58S+300E	Soil		0.8	260.2	3.0	17	0.2	19.5	6.3	171	2.91	4.1	5.7	0.6	8	<0.1	0.2	0.4	76	0.19	0.048	3
58S+325E	Soil		1.0	176.3	3.0	16	0.3	13.8	4.3	188	3.17	4.6	5.0	0.9	6	<0.1	0.2	0.2	96	0.19	0.047	3
58S+350E	Soil		0.9	108.3	3.8	15	0.3	13.9	4.4	192	3.34	4.4	4.7	0.7	6	<0.1	0.2	0.2	112	0.18	0.039	3
58S+375E	Soil		0.8	118.5	2.7	16	0.2	12.6	3.6	354	1.83	3.0	5.6	0.3	9	<0.1	0.1	0.2	60	0.21	0.039	2
58S+400E	Soil		2.7	292.5	6.0	17	0.5	10.4	4.7	404	3.31	2.6	1.7	0.4	15	0.1	0.2	0.5	98	0.12	0.051	2
58S+425E	Soil		1.0	147.0	7.9	14	0.4	12.4	4.1	165	2.78	4.5	4.8	0.7	11	<0.1	0.3	0.3	87	0.17	0.032	2
58S+450E	Soil		2.0	259.8	3.8	14	0.4	12.0	4.6	84	3.72	3.2	2.4	0.8	21	<0.1	0.2	0.4	118	0.17	0.038	2
58S+475E	Soil		4.9	347.9	2.7	23	0.2	18.6	7.9	349	2.91	1.8	28.3	0.5	23	<0.1	0.1	0.3	94	0.19	0.035	2
58S+500E	Soil		7.5	339.1	5.1	17	0.6	14.2	4.9	198	3.52	2.7	7.3	0.6	13	<0.1	0.2	0.3	99	0.20	0.036	4
58S+525E	Soil		3.6	351.0	2.4	20	1.2	24.7	7.1	115	3.19	3.5	5.3	0.8	12	<0.1	0.2	0.2	95	0.19	0.038	4
58S+550E	Soil		15.7	1013.8	4.2	33	1.9	28.3	11.6	176	3.86	3.9	5.0	0.6	20	<0.1	0.2	0.3	103	0.24	0.065	3
58S+575E	Soil		2.0	102.1	7.1	14	0.7	20.4	5.1	158	2.42	4.2	3.3	0.3	14	<0.1	0.3	0.3	100	0.29	0.035	2
58S+600E	Soil		7.7	685.2	2.2	25	2.1	38.0	8.6	188	3.42	5.2	4.7	0.7	17	0.1	0.2	0.2	70	0.34	0.058	4
58S+625E	Soil		1.5	78.3	3.4	16	0.3	32.2	6.8	156	2.35	6.4	3.7	0.2	23	0.1	0.2	<0.1	78	0.38	0.040	3
58S+650E	Soil		0.9	841.7	3.1	26	0.5	27.5	9.0	157	3.41	2.1	6.6	0.6	25	<0.1	0.2	0.3	95	0.23	0.032	3
58S+675E	Soil		3.5	3168.0	1.2	35	0.7	10.3	13.4	309	2.73	13.8	2.6	3.4	138	<0.1	0.1	0.1	64	0.77	0.093	8
58S+700E	Soil		4.5	69.0	3.8	6	0.2	6.1	2.6	55	5.18	2.0	3.9	0.6	4	<0.1	0.2	0.4	218	0.12	0.015	2
58S+725E	Soil		2.1	52.9	5.6	8	0.7	8.3	2.8	42	2.72	2.5	4.6	0.3	6	<0.1	0.3	0.3	127	0.14	0.024	3
58S+750E	Soil		2.4	94.1	4.5	10	0.9	8.7	3.0	63	4.32	2.4	2.9	0.6	7	<0.1	0.2	0.3	156	0.20	0.027	4
58S+775E	Soil		3.3	261.6	10.6	12	0.6	11.2	3.5	51	4.50	3.7	6.0	0.9	5	<0.1	0.2	0.4	137	0.12	0.033	3

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

Project: CATFACE
Report Date: July 06, 2016

CERTIFICATE OF ANALYSIS VAN16001013.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		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
58S+50E	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.
58S+75E	Soil		35	0.22	12	0.335	1	1.96	0.012	0.02	0.2	0.20	2.3	<0.1	<0.05	19	1.1	<0.2
58S+100E	Soil		42	0.14	12	0.231	1	3.26	0.012	0.02	<0.1	0.37	5.2	<0.1	<0.05	18	1.8	<0.2
58S+125E	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.
58S+150E	Soil		37	0.12	13	0.137	3	1.56	0.016	0.03	0.2	0.22	3.0	<0.1	0.06	8	1.1	<0.2
58S+175E	Soil		21	0.17	9	0.110	2	1.68	0.015	0.02	0.4	0.10	2.3	<0.1	<0.05	8	1.0	<0.2
58S+200E	Soil		33	0.35	19	0.131	2	2.38	0.028	0.03	0.5	0.05	3.4	<0.1	<0.05	6	0.6	<0.2
58S+225E	Soil		31	0.19	9	0.133	5	2.60	0.017	0.02	0.2	0.20	3.2	<0.1	<0.05	7	2.8	<0.2
58S+250E	Soil		85	0.27	7	0.341	2	3.95	0.016	0.01	0.3	0.26	6.9	<0.1	<0.05	14	2.1	<0.2
58S+275E	Soil		16	0.07	3	0.207	<1	0.41	0.009	0.01	<0.1	0.07	0.8	<0.1	<0.05	11	<0.5	<0.2
58S+300E	Soil		45	0.37	14	0.158	2	4.26	0.020	0.02	1.3	0.20	5.5	<0.1	<0.05	9	1.8	<0.2
58S+325E	Soil		71	0.24	7	0.249	2	4.91	0.017	0.02	0.5	0.28	7.6	<0.1	<0.05	10	3.2	<0.2
58S+350E	Soil		63	0.22	9	0.278	2	3.49	0.016	0.02	0.2	0.24	5.3	<0.1	<0.05	11	1.7	<0.2
58S+375E	Soil		42	0.21	7	0.159	4	2.80	0.017	0.02	0.4	0.18	4.4	<0.1	<0.05	6	1.0	<0.2
58S+400E	Soil		38	0.25	15	0.146	3	2.85	0.017	0.03	1.0	0.30	3.2	<0.1	<0.05	9	2.2	<0.2
58S+425E	Soil		46	0.26	12	0.204	2	3.52	0.019	0.02	0.5	0.33	4.4	<0.1	<0.05	9	1.8	<0.2
58S+450E	Soil		56	0.29	13	0.219	3	4.01	0.021	0.02	0.9	0.26	4.9	<0.1	<0.05	10	2.6	<0.2
58S+475E	Soil		51	0.44	32	0.165	3	3.34	0.021	0.03	4.6	0.18	3.7	<0.1	<0.05	8	1.6	<0.2
58S+500E	Soil		47	0.31	23	0.204	4	3.37	0.020	0.03	1.6	0.28	4.0	<0.1	<0.05	10	2.8	<0.2
58S+525E	Soil		79	0.45	21	0.227	3	4.15	0.020	0.02	1.1	0.17	7.3	<0.1	<0.05	9	2.3	<0.2
58S+550E	Soil		57	0.63	30	0.214	3	3.14	0.026	0.03	3.0	0.17	4.7	<0.1	<0.05	11	1.7	<0.2
58S+575E	Soil		54	0.40	17	0.235	3	1.50	0.025	0.02	0.2	0.22	3.2	<0.1	<0.05	8	1.2	<0.2
58S+600E	Soil		77	0.69	35	0.202	3	5.42	0.031	0.03	2.3	0.12	6.5	<0.1	<0.05	8	1.8	<0.2
58S+625E	Soil		79	0.58	35	0.195	4	1.91	0.029	0.02	0.2	0.14	3.5	<0.1	<0.05	6	0.7	<0.2
58S+650E	Soil		32	0.50	57	0.189	3	3.77	0.030	0.02	1.6	0.14	4.6	<0.1	<0.05	10	1.1	<0.2
58S+675E	Soil		16	0.83	147	0.182	<1	1.99	0.053	0.21	0.5	0.02	4.1	0.2	<0.05	7	<0.5	<0.2
58S+700E	Soil		28	0.12	6	0.325	1	1.02	0.013	0.01	0.2	0.06	2.0	<0.1	<0.05	19	0.7	<0.2
58S+725E	Soil		22	0.14	9	0.205	2	0.85	0.019	0.02	0.3	0.20	1.7	<0.1	<0.05	9	0.9	<0.2
58S+750E	Soil		42	0.18	11	0.250	2	2.27	0.019	0.02	0.3	0.18	3.3	<0.1	<0.05	14	1.9	<0.2
58S+775E	Soil		47	0.17	6	0.238	4	4.31	0.013	0.01	0.7	0.24	6.6	<0.1	<0.05	13	2.4	<0.2

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		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		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
58S+800E	Soil		5.8	441.9	3.9	18	0.7	23.7	5.9	98	3.68	5.6	2.7	0.7	10	0.1	0.2	0.4	105	0.13	0.039	8
58S+825E	Soil		1.5	218.9	4.4	17	0.3	25.4	6.4	129	2.47	4.6	2.3	0.4	12	0.1	0.1	0.2	60	0.23	0.046	3
58S+850E	Soil		1.0	135.7	7.6	33	0.2	51.9	10.5	203	2.70	11.1	3.7	0.3	19	<0.1	0.2	0.2	77	0.43	0.035	2
58S+875E	Soil		2.9	326.0	4.7	21	0.2	32.0	7.9	141	2.74	3.5	3.9	0.9	19	<0.1	0.2	0.2	67	0.29	0.039	3
58S+900E	Soil		39.5	150.2	6.2	10	0.4	9.4	2.3	39	2.35	3.3	1.0	0.6	8	0.1	0.2	0.2	96	0.13	0.027	2
58S+925E	Soil		10.3	53.8	5.6	6	0.7	4.9	1.8	37	2.22	1.3	3.4	0.6	10	0.1	0.2	0.2	79	0.09	0.014	3
58S+950E	Soil		3.7	483.5	4.1	17	0.2	13.2	4.8	86	3.48	3.7	2.9	1.9	19	<0.1	0.2	0.2	82	0.14	0.025	2
58S+975E	Soil		7.9	372.6	4.5	19	0.2	11.4	4.8	92	2.58	4.0	4.1	1.0	19	<0.1	0.1	0.4	80	0.16	0.019	2
58S+1000E	Soil		6.5	494.0	6.0	19	0.3	8.3	5.0	133	2.59	3.4	1.4	1.0	18	<0.1	0.1	0.2	66	0.23	0.025	2
58S+25W	Soil		1.0	35.8	5.8	12	0.3	6.9	3.0	81	3.65	2.6	0.7	1.0	8	<0.1	0.2	0.2	102	0.20	0.023	3
58S+50W	Soil		3.9	38.0	6.0	21	<0.1	10.6	5.0	137	2.69	1.9	1.5	0.9	12	<0.1	0.2	0.2	177	0.23	0.016	2
58S+75W	Soil		0.7	38.1	12.2	35	0.1	11.6	16.2	433	2.89	2.2	8.7	0.5	34	0.2	0.2	0.1	72	0.36	0.043	4
58S+100W	Soil		0.8	22.8	10.0	19	0.1	9.8	6.1	462	2.25	2.0	1.5	0.5	26	0.2	0.2	0.2	66	0.46	0.038	3
58S+125W	Soil		0.9	55.6	5.7	12	0.2	10.2	3.5	67	3.76	4.8	3.1	1.5	8	0.2	0.4	0.2	123	0.15	0.034	3
58S+150W	Soil		0.9	62.7	5.8	14	<0.1	12.5	4.9	161	4.23	4.5	1.7	1.9	8	<0.1	0.3	0.2	116	0.17	0.036	4
58S+175W	Soil		0.8	20.6	5.0	15	0.1	8.3	3.8	105	3.57	2.2	2.6	1.7	11	0.2	0.1	0.1	83	0.16	0.041	3
58S+200W	Soil		0.4	25.8	4.5	13	0.1	6.4	4.3	138	3.07	1.7	1.6	0.9	9	0.1	0.1	<0.1	57	0.10	0.057	6
58S+225W	Soil		0.9	20.8	5.4	15	<0.1	7.4	4.1	244	3.93	2.7	1.3	1.3	9	<0.1	0.2	0.1	82	0.20	0.049	5
58S+250W	Soil		0.8	17.2	6.9	15	0.1	5.7	4.1	317	5.16	2.6	0.9	1.2	9	0.1	0.1	0.1	108	0.15	0.048	3
58S+275W	Soil		0.9	31.9	3.8	15	0.2	5.1	12.2	595	3.73	2.8	1.3	1.4	9	0.2	0.1	<0.1	70	0.10	0.058	5
58S+300W	Soil		0.8	84.5	5.2	17	<0.1	27.0	8.1	232	2.11	4.4	1.4	0.3	18	<0.1	0.3	0.2	70	0.42	0.034	2
62S+00E	Soil		1.9	44.0	8.5	13	0.3	8.5	14.0	136	5.31	2.8	1.2	0.7	11	0.1	0.3	0.3	128	0.14	0.035	4
62S+25E	Soil		1.1	55.8	5.2	12	0.4	9.5	3.0	61	2.79	2.6	0.9	0.7	8	0.1	0.2	0.3	80	0.13	0.030	3
62S+50E	Soil		1.7	50.3	8.8	11	0.2	7.7	3.2	61	5.06	4.3	0.6	2.1	6	<0.1	0.4	0.4	160	0.12	0.018	2
62S+75E	Soil		1.0	17.2	4.5	6	<0.1	4.9	2.6	48	4.53	1.2	1.7	0.6	5	<0.1	0.2	0.3	156	0.08	0.011	2
62S+100E	Soil		0.3	5.4	4.4	7	<0.1	1.5	3.0	77	3.14	<0.5	<0.5	0.3	8	<0.1	0.1	0.1	170	0.18	0.014	<1
62S+125E	Soil		2.2	182.8	3.1	12	0.2	11.5	4.0	76	3.00	3.1	3.6	0.6	6	<0.1	0.2	0.3	89	0.12	0.029	3
62S+150E	Soil		2.5	86.4	6.1	19	0.2	14.5	6.9	114	3.48	3.2	4.8	0.5	12	<0.1	0.2	0.4	105	0.19	0.026	2
62S+175E	Soil		1.5	75.9	3.6	9	0.1	7.6	2.8	72	1.82	1.6	5.6	0.4	5	<0.1	0.2	0.3	84	0.12	0.025	2
62S+200E	Soil		1.5	175.7	4.0	15	0.1	16.7	4.8	96	2.92	3.6	1.2	0.8	7	<0.1	0.2	0.3	93	0.18	0.040	2

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

Project: CATFACE
Report Date: July 06, 2016

CERTIFICATE OF ANALYSIS VAN16001013.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		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
58S+800E	Soil		51	0.33	28	0.194	3	5.15	0.018	0.02	1.9	0.21	4.6	<0.1	<0.05	10	2.0	<0.2
58S+825E	Soil		43	0.43	25	0.151	4	3.22	0.021	0.03	0.8	0.20	3.9	<0.1	<0.05	8	2.3	<0.2
58S+850E	Soil		96	0.90	43	0.183	3	2.60	0.030	0.02	0.4	0.13	4.5	<0.1	<0.05	7	0.9	<0.2
58S+875E	Soil		46	0.50	36	0.148	3	3.81	0.028	0.03	1.3	0.16	4.2	<0.1	<0.05	8	1.8	<0.2
58S+900E	Soil		39	0.16	10	0.178	3	3.05	0.016	0.02	2.3	0.20	4.0	<0.1	<0.05	13	2.0	<0.2
58S+925E	Soil		15	0.11	19	0.170	2	0.82	0.014	0.02	0.6	0.14	1.2	<0.1	<0.05	9	<0.5	<0.2
58S+950E	Soil		43	0.40	38	0.219	2	3.96	0.018	0.03	3.2	0.23	3.6	<0.1	<0.05	11	1.4	<0.2
58S+975E	Soil		34	0.43	31	0.233	3	1.89	0.024	0.05	2.3	0.13	2.1	<0.1	<0.05	12	0.8	<0.2
58S+1000E	Soil		25	0.38	24	0.192	3	2.01	0.023	0.04	2.6	0.13	2.1	<0.1	<0.05	9	0.9	<0.2
58S+25W	Soil		37	0.23	17	0.267	3	1.93	0.018	0.03	0.2	0.23	3.5	<0.1	<0.05	12	1.3	<0.2
58S+50W	Soil		38	0.34	22	0.414	2	2.65	0.020	0.03	0.1	0.12	3.3	<0.1	<0.05	21	0.9	<0.2
58S+75W	Soil		33	0.54	83	0.107	3	2.59	0.023	0.04	0.2	0.14	3.5	<0.1	<0.05	9	1.6	<0.2
58S+100W	Soil		24	0.27	43	0.159	4	1.46	0.024	0.04	0.2	0.24	1.8	<0.1	<0.05	8	0.7	<0.2
58S+125W	Soil		70	0.19	17	0.271	2	4.55	0.015	0.02	0.2	0.20	6.8	<0.1	<0.05	13	3.2	<0.2
58S+150W	Soil		64	0.32	15	0.335	3	4.87	0.017	0.03	0.2	0.20	6.1	<0.1	<0.05	14	2.0	<0.2
58S+175W	Soil		45	0.22	27	0.225	4	3.86	0.017	0.03	0.1	0.31	3.4	<0.1	<0.05	11	2.5	<0.2
58S+200W	Soil		20	0.18	30	0.129	3	4.74	0.013	0.02	0.2	0.32	3.2	<0.1	<0.05	10	3.8	<0.2
58S+225W	Soil		26	0.25	24	0.174	3	4.15	0.017	0.03	0.2	0.28	4.1	<0.1	<0.05	13	2.2	<0.2
58S+250W	Soil		13	0.16	27	0.239	3	2.53	0.012	0.02	0.1	0.30	2.3	<0.1	<0.05	17	2.2	<0.2
58S+275W	Soil		18	0.19	27	0.167	4	4.93	0.012	0.02	0.1	0.21	4.0	<0.1	<0.05	12	3.9	<0.2
58S+300W	Soil		50	0.47	27	0.167	4	1.45	0.032	0.02	0.4	0.14	3.4	<0.1	<0.05	6	<0.5	<0.2
62S+00E	Soil		27	0.19	24	0.239	3	2.68	0.014	0.03	0.2	0.50	3.6	<0.1	0.05	13	3.2	<0.2
62S+25E	Soil		27	0.20	16	0.166	2	2.59	0.017	0.03	0.2	0.31	3.0	<0.1	<0.05	10	2.0	<0.2
62S+50E	Soil		54	0.19	10	0.346	2	4.11	0.012	0.02	0.2	0.28	3.7	<0.1	<0.05	16	1.1	<0.2
62S+75E	Soil		31	0.19	7	0.291	<1	1.18	0.016	0.02	0.1	0.11	1.6	<0.1	<0.05	14	<0.5	<0.2
62S+100E	Soil		8	0.17	13	0.180	1	0.35	0.019	0.02	<0.1	0.07	1.6	<0.1	<0.05	5	<0.5	<0.2
62S+125E	Soil		48	0.24	10	0.181	2	4.24	0.015	0.02	0.4	0.11	5.9	<0.1	<0.05	10	1.1	<0.2
62S+150E	Soil		54	0.29	13	0.224	3	2.29	0.020	0.02	0.3	0.16	3.4	<0.1	<0.05	11	2.2	<0.2
62S+175E	Soil		28	0.18	5	0.177	2	1.44	0.015	0.01	0.2	0.12	2.2	<0.1	<0.05	8	<0.5	<0.2
62S+200E	Soil		50	0.31	9	0.228	3	3.91	0.019	0.02	0.7	0.22	6.1	<0.1	<0.05	10	1.7	<0.2

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

Project: CATFACE
Report Date: July 06, 2016

CERTIFICATE OF ANALYSIS VAN16001013.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		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
62S+225E	Soil		1.4	180.0	7.2	14	0.3	12.7	4.8	77	3.62	3.8	3.1	0.6	8	<0.1	0.2	1.0	128	0.15	0.024	2
62S+250E	Soil		1.2	73.0	5.4	8	0.2	4.2	2.3	51	1.47	0.6	2.0	0.2	8	<0.1	<0.1	2.5	73	0.11	0.015	1
62S+275E	Soil		0.6	40.3	2.5	6	0.1	3.1	2.1	54	1.68	0.6	1.1	0.2	6	<0.1	<0.1	3.4	63	0.08	0.016	<1
62S+300E	Soil		1.4	112.9	3.7	10	0.1	8.0	3.8	85	3.42	1.9	1.0	0.4	9	<0.1	0.2	1.0	109	0.11	0.034	1
62S+325E	Soil		0.8	124.3	4.7	13	0.2	12.4	4.3	46	1.73	1.0	0.6	0.2	22	<0.1	0.1	0.5	66	0.17	0.032	2
62S+350E	Soil		1.7	171.9	2.9	12	0.2	13.6	4.1	46	3.17	1.6	1.1	0.4	16	<0.1	0.1	0.3	87	0.09	0.023	2
62S+375E	Soil		5.6	260.0	3.4	10	1.4	8.3	2.9	71	2.57	2.2	8.7	0.4	13	<0.1	0.1	0.7	83	0.11	0.026	2
62S+400E	Soil		5.0	680.5	2.7	24	2.3	18.2	8.7	110	4.11	2.3	5.3	2.0	24	0.1	0.1	0.9	95	0.16	0.039	3
62S+425E	Soil		6.8	334.7	1.9	22	1.1	14.5	8.7	114	2.84	1.5	0.6	0.3	31	0.2	<0.1	0.2	82	0.30	0.023	2
62S+450E	Soil		7.4	67.9	4.6	10	1.0	12.0	3.4	100	3.48	2.2	1.8	0.4	12	<0.1	0.2	0.2	131	0.23	0.017	10
62S+475E	Soil		11.0	1010.7	2.6	32	1.8	24.3	43.2	480	2.08	2.4	2.2	0.3	38	0.3	0.1	0.7	68	0.38	0.036	2
62S+500E	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.
62S+525E	Soil		6.1	1099.2	2.9	21	1.2	30.8	35.8	212	1.58	1.1	2.2	0.4	24	0.2	0.1	0.2	53	0.30	0.030	3
62S+550E	Soil		9.7	107.8	5.7	10	0.3	11.3	3.6	93	3.80	1.8	1.9	0.6	8	<0.1	0.2	0.3	121	0.16	0.024	3
62S+575E	Soil		10.1	41.7	7.0	10	0.3	6.8	1.8	44	0.92	0.9	4.7	0.4	16	<0.1	0.1	0.2	68	0.21	0.030	2
62S+600E	Soil		2.1	865.2	3.4	28	0.3	24.8	7.4	111	3.13	2.4	5.9	0.8	27	<0.1	0.1	0.3	82	0.22	0.036	3
62S+625E	Soil		1.3	590.2	3.9	28	0.7	24.0	9.0	240	2.69	3.5	4.9	0.5	51	<0.1	0.1	0.2	66	0.42	0.055	4
62S+650E	Soil		1.3	393.8	5.3	20	0.3	16.6	5.8	315	3.32	2.0	2.3	0.7	16	<0.1	0.1	0.3	100	0.20	0.049	5
62S+675E	Soil		1.3	130.1	4.3	10	0.8	8.6	2.8	47	3.52	1.5	0.8	0.5	11	<0.1	0.2	0.2	111	0.13	0.050	4
62S+700E	Soil		0.9	432.9	3.2	22	0.5	19.7	6.8	187	3.08	1.3	3.0	0.9	15	<0.1	0.1	0.1	77	0.17	0.042	5
62S+725E	Soil		1.3	337.8	5.5	19	0.5	17.3	5.9	134	3.49	2.0	3.6	0.7	12	<0.1	0.2	0.2	100	0.15	0.041	4
62S+750E	Soil		2.4	126.0	4.1	11	0.9	7.2	2.7	102	2.99	1.0	2.8	0.5	8	<0.1	0.1	0.2	83	0.11	0.035	3
62S+775E	Soil		22.8	132.2	3.6	11	0.2	10.4	3.6	93	3.83	2.8	1.8	1.0	11	<0.1	0.2	0.2	108	0.13	0.031	3
62S+800E	Soil		9.1	341.7	3.5	26	0.2	50.6	29.6	350	3.23	3.0	1.2	0.3	64	0.1	<0.1	0.1	44	0.38	0.065	3
62S+825E	Soil		2.4	341.0	3.1	24	0.2	31.0	8.4	135	1.90	2.1	0.6	0.4	40	<0.1	<0.1	0.3	43	0.31	0.056	2
62S+850E	Soil		5.0	501.6	2.4	25	<0.1	43.3	14.4	165	2.79	5.4	1.4	1.2	33	<0.1	0.1	0.2	69	0.32	0.056	4
62S+875E	Soil		15.1	298.2	3.3	22	0.3	28.2	6.6	90	2.68	3.1	<0.5	0.7	23	0.2	0.1	0.3	61	0.22	0.045	2
62S+900E	Soil		19.3	140.9	3.5	10	0.5	10.2	3.0	68	3.35	2.8	10.6	0.8	8	0.1	0.2	0.8	63	0.14	0.024	3
62S+25W	Soil		1.1	50.5	7.3	16	0.1	18.7	6.5	186	4.78	4.5	1.3	1.4	10	<0.1	0.2	0.2	145	0.20	0.031	3
62S+50W	Soil		0.8	113.0	4.7	20	0.1	40.5	11.6	204	2.82	5.0	4.9	0.4	11	0.1	0.2	0.1	87	0.32	0.032	2

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		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		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
62S+225E	Soil		45	0.28	12	0.255	2	2.59	0.016	0.03	1.5	0.19	3.4	<0.1	<0.05	11	0.7	<0.2
62S+250E	Soil		10	0.12	6	0.144	1	0.48	0.014	0.01	0.6	0.05	1.2	<0.1	<0.05	7	<0.5	<0.2
62S+275E	Soil		8	0.10	5	0.103	<1	0.43	0.015	0.01	1.7	0.07	0.9	<0.1	<0.05	6	<0.5	<0.2
62S+300E	Soil		36	0.19	10	0.200	2	2.00	0.014	0.02	1.1	0.15	2.0	<0.1	<0.05	10	0.9	<0.2
62S+325E	Soil		25	0.24	28	0.091	1	1.10	0.030	0.03	2.2	0.16	1.2	<0.1	<0.05	5	<0.5	<0.2
62S+350E	Soil		34	0.23	25	0.162	2	2.13	0.015	0.01	0.6	0.13	2.0	<0.1	<0.05	10	0.8	<0.2
62S+375E	Soil		27	0.16	8	0.152	1	1.99	0.011	0.01	0.7	0.12	1.9	<0.1	<0.05	9	0.5	<0.2
62S+400E	Soil		51	0.52	52	0.231	3	5.62	0.023	0.06	1.8	0.22	5.5	0.1	<0.05	13	1.7	<0.2
62S+425E	Soil		30	0.41	17	0.149	2	1.70	0.019	0.02	1.1	0.10	2.1	<0.1	<0.05	8	1.0	<0.2
62S+450E	Soil		61	0.25	16	0.253	2	1.54	0.019	0.02	0.2	0.14	2.5	<0.1	<0.05	11	<0.5	<0.2
62S+475E	Soil		44	0.55	50	0.164	3	3.39	0.024	0.05	1.2	0.08	3.6	0.2	<0.05	11	1.5	<0.2
62S+500E	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.
62S+525E	Soil		52	0.44	23	0.156	3	1.43	0.027	0.04	0.8	0.13	3.7	0.1	<0.05	8	1.2	<0.2
62S+550E	Soil		56	0.26	10	0.268	3	2.37	0.020	0.01	0.2	0.14	3.6	<0.1	<0.05	13	1.2	<0.2
62S+575E	Soil		19	0.17	16	0.164	3	0.45	0.017	0.03	0.4	0.16	1.4	<0.1	<0.05	8	<0.5	<0.2
62S+600E	Soil		38	0.48	52	0.172	2	3.42	0.025	0.03	1.8	0.16	4.1	<0.1	<0.05	9	1.1	<0.2
62S+625E	Soil		28	0.49	52	0.114	3	2.53	0.031	0.02	1.4	0.21	2.7	<0.1	<0.05	7	1.6	<0.2
62S+650E	Soil		33	0.37	47	0.167	2	3.88	0.019	0.02	1.2	0.17	5.0	<0.1	<0.05	10	1.3	<0.2
62S+675E	Soil		29	0.16	20	0.162	3	2.32	0.014	0.02	0.6	0.23	3.4	<0.1	<0.05	11	1.9	<0.2
62S+700E	Soil		32	0.35	44	0.149	3	5.23	0.022	0.02	0.9	0.24	5.7	<0.1	<0.05	10	2.4	<0.2
62S+725E	Soil		27	0.36	36	0.175	1	3.37	0.020	0.02	0.5	0.25	4.6	<0.1	<0.05	11	1.4	<0.2
62S+750E	Soil		19	0.16	10	0.160	2	1.96	0.015	0.02	0.5	0.26	2.4	<0.1	<0.05	10	1.5	<0.2
62S+775E	Soil		67	0.27	17	0.245	1	3.00	0.016	0.01	0.4	0.25	4.7	<0.1	<0.05	12	3.6	<0.2
62S+800E	Soil		44	0.68	70	0.065	4	2.34	0.044	0.07	1.5	0.08	2.4	<0.1	0.05	4	1.4	<0.2
62S+825E	Soil		33	0.50	50	0.086	5	2.01	0.029	0.06	1.4	0.10	2.4	<0.1	<0.05	5	0.7	<0.2
62S+850E	Soil		44	0.72	58	0.153	2	4.36	0.034	0.08	1.6	0.05	4.6	<0.1	<0.05	8	1.0	<0.2
62S+875E	Soil		42	0.48	40	0.132	3	3.42	0.023	0.04	1.3	0.22	2.8	<0.1	<0.05	8	1.6	<0.2
62S+900E	Soil		33	0.23	11	0.174	3	1.79	0.019	0.02	0.9	0.16	2.2	<0.1	<0.05	11	2.2	<0.2
62S+25W	Soil		74	0.34	18	0.320	3	3.24	0.017	0.03	0.2	0.25	3.8	<0.1	<0.05	12	2.0	<0.2
62S+50W	Soil		98	0.56	19	0.235	3	3.71	0.023	0.02	0.2	0.19	5.1	<0.1	<0.05	7	2.3	<0.2

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

Project: CATFACE
Report Date: July 06, 2016

CERTIFICATE OF ANALYSIS VAN16001013.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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
62S+75W	Soil	1.3	108.1	14.3	32	0.1	24.6	9.5	197	3.67	8.4	3.8	1.1	15	0.1	0.3	0.2	108	0.25	0.025	3
62S+100W	Soil	1.0	87.9	4.8	15	0.3	25.5	6.8	108	3.73	4.7	1.1	0.5	11	0.1	0.2	0.2	106	0.20	0.033	4
62S+125W	Soil	1.0	58.8	6.2	10	0.2	10.5	3.6	68	4.33	3.1	6.5	0.7	4	<0.1	0.2	0.2	143	0.12	0.027	4
62S+150W	Soil	1.0	50.8	4.8	10	<0.1	9.2	3.4	70	4.02	2.6	2.2	0.7	6	<0.1	0.2	0.2	131	0.13	0.027	3
62S+175W	Soil	2.3	18.8	7.6	8	0.2	4.4	2.3	78	4.48	1.1	2.1	0.5	6	<0.1	0.3	0.1	134	0.10	0.024	3
62S+200W	Soil	0.8	3.8	7.2	3	<0.1	0.9	0.8	46	1.12	<0.5	<0.5	0.4	7	<0.1	0.2	0.2	68	0.05	0.008	2
62S+225W	Soil	0.1	4.6	2.6	6	<0.1	1.0	1.0	43	1.22	0.5	<0.5	<0.1	8	<0.1	0.1	<0.1	30	0.10	0.024	2
62S+250W	Soil	0.4	4.3	12.9	10	<0.1	1.8	0.8	57	0.48	<0.5	1.5	0.1	14	<0.1	0.1	<0.1	23	0.25	0.027	1
62S+275W	Soil	0.3	3.1	4.4	11	<0.1	0.9	0.2	70	0.09	<0.5	<0.5	<0.1	22	0.1	<0.1	<0.1	5	0.57	0.052	<1
62S+300W	Soil	10.4	36.4	9.8	12	0.1	3.9	8.9	243	2.92	0.8	11.7	0.8	13	<0.1	0.2	0.1	109	0.21	0.019	3
66S+00E	Soil	0.9	41.1	5.2	14	0.2	4.8	5.0	89	4.71	1.9	<0.5	0.9	8	<0.1	0.2	0.2	186	0.16	0.037	2
66S+25E	Soil	0.3	3.6	5.7	4	<0.1	1.2	1.0	48	0.74	<0.5	0.6	0.2	6	<0.1	0.2	0.2	64	0.10	0.016	2
66S+50E	Soil	2.5	50.3	5.3	12	0.1	17.1	4.6	91	4.10	3.9	2.1	1.2	8	<0.1	0.2	0.3	192	0.19	0.021	3
66S+150E	Soil	0.9	19.8	7.0	5	0.1	2.3	2.5	55	6.07	1.0	0.7	0.9	4	<0.1	0.3	0.3	255	0.13	0.014	1
66S+200E	Soil	3.3	33.8	5.7	9	0.3	7.1	2.5	47	2.99	1.9	2.6	0.4	6	<0.1	0.2	0.5	123	0.12	0.020	2
66S+225E	Soil	3.2	115.4	5.5	13	0.2	12.0	4.1	68	3.07	2.3	3.1	0.6	7	<0.1	0.2	0.8	120	0.16	0.014	2
66S+250E	Soil	0.4	5.6	3.8	4	0.1	1.8	0.9	32	0.77	<0.5	2.0	0.1	4	<0.1	<0.1	0.3	79	0.11	0.012	<1
66S+275E	Soil	0.8	24.2	4.1	4	<0.1	2.1	0.7	33	0.34	<0.5	1.0	0.2	4	<0.1	<0.1	1.7	51	0.09	0.009	1
66S+300E	Soil	1.0	9.8	3.3	6	0.3	2.3	1.4	46	0.78	<0.5	<0.5	<0.1	7	<0.1	0.1	0.2	75	0.15	0.015	<1
66S+325E	Soil	0.4	7.3	3.4	6	0.2	2.5	1.3	32	0.80	<0.5	<0.5	<0.1	6	<0.1	<0.1	0.2	68	0.12	0.019	<1
66S+350E	Soil	1.0	96.4	4.0	5	<0.1	2.1	0.9	22	0.21	<0.5	8.0	0.1	5	<0.1	<0.1	0.4	34	0.09	0.014	2
66S+375E	Soil	0.8	14.2	4.2	3	0.2	2.3	1.0	27	0.26	<0.5	3.3	<0.1	6	<0.1	<0.1	0.3	40	0.09	0.020	1
66S+400E	Soil	2.5	64.9	6.9	9	0.3	5.4	1.8	44	0.66	<0.5	1.9	0.1	13	<0.1	0.1	0.4	42	0.16	0.039	2
66S+425E	Soil	3.0	41.7	7.1	10	0.2	9.0	2.4	66	3.03	1.6	1.3	0.9	11	<0.1	0.2	0.3	101	0.22	0.020	3
66S+450E	Soil	11.2	132.8	5.8	7	0.1	7.3	2.3	46	5.66	3.5	2.0	2.2	6	<0.1	0.2	0.3	150	0.10	0.013	4
66S+475E	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.
66S+500E	Soil	6.0	384.3	3.9	10	0.4	10.9	3.8	58	2.12	2.0	5.5	0.4	13	<0.1	0.1	0.7	81	0.14	0.019	2
66S+525E	Soil	4.7	72.6	5.1	8	0.4	11.1	3.5	63	3.97	2.4	2.0	0.5	9	<0.1	0.2	0.2	175	0.18	0.017	3
66S+550E	Soil	7.3	118.6	5.7	12	0.2	15.2	4.4	156	5.01	4.4	5.8	1.4	10	0.1	0.3	0.3	155	0.18	0.026	3
66S+575E	Soil	5.4	336.8	2.8	14	0.2	20.0	5.0	97	2.84	6.9	1.9	0.7	9	<0.1	0.1	0.2	85	0.17	0.033	2

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

Project: CATFACE
Report Date: July 06, 2016

CERTIFICATE OF ANALYSIS VAN16001013.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		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
62S+75W	Soil		76	0.46	44	0.236	4	5.04	0.019	0.02	0.3	0.21	6.9	<0.1	<0.05	11	2.0	<0.2
62S+100W	Soil		71	0.40	18	0.286	3	3.23	0.020	0.02	0.2	0.23	4.4	<0.1	<0.05	12	2.9	<0.2
62S+125W	Soil		70	0.19	14	0.280	3	2.97	0.014	0.02	<0.1	0.23	4.1	<0.1	<0.05	13	2.4	<0.2
62S+150W	Soil		57	0.16	13	0.273	3	2.71	0.014	0.01	0.1	0.15	3.3	<0.1	<0.05	12	1.8	<0.2
62S+175W	Soil		24	0.13	25	0.281	1	1.09	0.014	0.03	<0.1	0.14	1.3	<0.1	<0.05	14	0.5	<0.2
62S+200W	Soil		5	0.03	19	0.176	1	0.36	0.010	0.02	<0.1	0.04	0.4	<0.1	<0.05	11	<0.5	<0.2
62S+225W	Soil		7	0.06	23	0.040	3	0.32	0.019	0.04	<0.1	0.07	0.5	<0.1	<0.05	3	<0.5	<0.2
62S+250W	Soil		10	0.06	30	0.045	4	0.24	0.019	0.03	<0.1	0.12	0.7	<0.1	<0.05	2	<0.5	<0.2
62S+275W	Soil		3	0.05	27	0.007	6	0.10	0.016	0.06	<0.1	0.22	0.3	<0.1	0.08	<1	0.7	<0.2
62S+300W	Soil		18	0.20	34	0.196	1	1.16	0.021	0.03	0.3	0.13	2.2	<0.1	<0.05	12	<0.5	<0.2
66S+00E	Soil		23	0.21	20	0.320	3	2.08	0.019	0.03	0.1	0.23	2.6	<0.1	<0.05	14	1.4	<0.2
66S+25E	Soil		7	0.08	12	0.127	1	0.24	0.014	0.02	<0.1	0.08	0.9	<0.1	<0.05	6	<0.5	<0.2
66S+50E	Soil		97	0.32	11	0.343	2	3.89	0.016	0.01	0.1	0.18	5.2	<0.1	<0.05	16	1.6	<0.2
66S+150E	Soil		19	0.10	7	0.404	1	1.78	0.010	0.02	<0.1	0.24	2.6	<0.1	<0.05	18	<0.5	<0.2
66S+200E	Soil		32	0.13	10	0.238	2	0.84	0.012	0.02	0.2	0.12	1.2	<0.1	<0.05	12	<0.5	<0.2
66S+225E	Soil		39	0.23	8	0.267	2	1.92	0.015	0.02	1.0	0.21	2.6	<0.1	<0.05	13	0.7	<0.2
66S+250E	Soil		8	0.07	4	0.089	1	0.15	0.011	0.01	<0.1	0.05	1.0	<0.1	<0.05	5	<0.5	<0.2
66S+275E	Soil		11	0.07	3	0.142	1	0.24	0.010	<0.01	<0.1	0.05	0.9	<0.1	<0.05	9	<0.5	<0.2
66S+300E	Soil		5	0.11	4	0.082	2	0.26	0.025	0.02	0.5	0.09	1.2	<0.1	<0.05	4	<0.5	<0.2
66S+325E	Soil		17	0.08	4	0.092	1	0.17	0.013	0.02	0.2	0.08	0.7	<0.1	<0.05	3	<0.5	<0.2
66S+350E	Soil		13	0.05	7	0.107	1	0.40	0.009	<0.01	<0.1	0.09	1.4	<0.1	<0.05	8	<0.5	<0.2
66S+375E	Soil		11	0.06	5	0.088	1	0.37	0.011	0.02	<0.1	0.10	1.2	<0.1	<0.05	6	<0.5	<0.2
66S+400E	Soil		21	0.12	18	0.100	3	0.58	0.019	0.04	<0.1	0.24	1.3	<0.1	<0.05	7	0.6	<0.2
66S+425E	Soil		58	0.21	15	0.236	3	1.97	0.017	0.02	0.2	0.26	2.0	<0.1	<0.05	12	0.8	<0.2
66S+450E	Soil		80	0.17	11	0.336	<1	4.87	0.008	0.01	<0.1	0.34	2.4	<0.1	<0.05	19	1.3	<0.2
66S+475E	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.
66S+500E	Soil		34	0.22	12	0.188	2	1.53	0.015	0.02	0.8	0.10	1.9	<0.1	<0.05	8	0.7	<0.2
66S+525E	Soil		65	0.22	10	0.300	2	1.23	0.018	0.02	<0.1	0.12	2.1	<0.1	<0.05	15	1.0	<0.2
66S+550E	Soil		136	0.34	12	0.401	3	4.38	0.016	0.01	0.2	0.28	11.4	<0.1	<0.05	17	2.0	<0.2
66S+575E	Soil		86	0.38	13	0.256	2	3.95	0.017	0.02	0.5	0.19	6.0	<0.1	<0.05	9	2.3	<0.2

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Project: CATFACE
Report Date: July 06, 2016

CERTIFICATE OF ANALYSIS VAN16001013.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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
66S+600E	Soil	1.3	198.0	3.5	13	1.1	13.1	4.1	54	2.05	0.9	3.0	0.1	16	0.1	<0.1	0.1	56	0.20	0.050	2
66S+625E	Soil	1.9	854.1	2.2	26	0.7	20.4	10.3	216	3.39	3.6	5.1	0.6	32	0.1	<0.1	0.3	92	0.24	0.048	2
66S+650E	Soil	2.0	558.3	3.4	20	0.4	19.0	8.2	116	2.54	2.2	2.5	0.4	23	<0.1	0.1	0.2	73	0.21	0.048	2
66S+675E	Soil	1.5	450.4	2.9	22	0.3	19.6	7.2	161	3.22	1.9	4.5	0.5	17	<0.1	0.1	0.2	95	0.17	0.046	2
66S+700E	Soil	1.6	438.4	2.5	20	0.3	22.2	7.5	102	2.80	2.6	4.4	0.7	20	<0.1	0.1	0.2	81	0.19	0.055	3
66S+725E	Soil	3.8	261.2	3.0	15	0.6	14.5	6.2	173	4.36	2.0	4.4	0.4	8	<0.1	<0.1	0.3	124	0.11	0.035	2
66S+750E	Soil	3.6	264.4	1.9	15	1.2	14.2	4.3	79	3.20	2.5	3.8	1.6	10	0.1	<0.1	0.2	83	0.12	0.045	2
66S+25W	Soil	1.2	33.7	6.7	16	0.2	5.6	5.5	122	6.08	2.7	2.2	0.8	7	<0.1	0.3	0.2	215	0.14	0.024	3
66S+50W	Soil	0.6	34.2	7.1	12	0.2	15.2	12.0	219	2.56	3.3	1.4	0.3	13	<0.1	0.3	<0.1	85	0.23	0.031	2
66S+75W	Soil	1.2	37.1	4.2	20	0.1	14.8	6.4	206	1.50	1.5	<0.5	0.2	24	<0.1	0.1	0.1	55	0.32	0.027	3
66S+100W	Soil	0.4	4.2	4.8	9	<0.1	1.1	1.2	33	1.02	0.6	<0.5	0.1	13	<0.1	0.1	0.1	40	0.13	0.037	2
66S+125W	Soil	0.4	6.8	5.2	8	0.1	2.8	1.1	37	1.13	0.5	<0.5	0.2	17	<0.1	0.1	<0.1	40	0.16	0.028	2
66S+150W	Soil	1.1	9.6	5.9	6	0.1	3.2	1.4	43	0.82	<0.5	2.7	0.2	16	<0.1	0.1	0.1	44	0.15	0.024	3
66S+175W	Soil	1.2	20.5	6.7	10	0.1	9.9	6.5	132	1.08	0.9	<0.5	<0.1	36	<0.1	0.1	0.1	35	0.46	0.059	3
66S+200W	Soil	1.8	15.5	6.2	8	<0.1	3.9	1.8	49	5.60	1.5	1.0	1.1	5	<0.1	0.2	0.2	149	0.07	0.018	3
66S+225W	Soil	3.8	72.6	4.1	11	0.2	10.3	3.2	68	5.43	4.0	1.4	1.9	4	<0.1	0.2	0.1	138	0.10	0.030	6
66S+250W	Soil	2.3	141.8	21.3	16	0.1	24.8	12.4	139	1.95	4.9	<0.5	0.7	17	<0.1	0.2	0.2	49	0.22	0.046	6
66S+275W	Soil	3.5	61.4	4.4	8	0.3	11.7	3.1	50	3.50	4.9	<0.5	1.0	10	<0.1	0.2	0.2	109	0.20	0.021	3
66S+300W	Soil	12.0	67.7	6.8	21	0.1	21.1	8.2	130	3.40	6.3	1.8	1.0	10	<0.1	0.2	0.2	93	0.22	0.016	3
70S+00E	Soil	0.2	5.8	2.9	6	0.1	2.1	2.2	59	1.29	<0.5	1.6	0.3	6	<0.1	<0.1	<0.1	53	0.11	0.015	2
70S+25E	Soil	0.8	5.3	8.8	5	0.2	1.6	0.6	22	0.88	<0.5	24.8	0.2	7	<0.1	0.1	0.5	63	0.06	0.029	3
70S+50E	Soil	0.7	8.2	8.0	8	0.3	1.9	1.0	35	3.92	0.8	<0.5	0.3	12	<0.1	0.2	0.2	144	0.13	0.035	3
70S+75E	Soil	3.7	9.8	8.6	7	0.1	1.0	1.9	197	2.54	<0.5	<0.5	0.5	11	<0.1	0.1	0.2	113	0.16	0.016	2
70S+100E	Soil	28.8	24.7	7.7	14	0.2	7.8	13.2	269	2.70	1.5	<0.5	0.3	13	<0.1	0.1	0.2	88	0.16	0.044	2
70S+125E	Soil	14.0	91.2	3.6	24	0.1	14.3	7.6	227	2.24	3.3	0.8	0.9	24	0.1	<0.1	0.2	73	0.44	0.041	3

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

Project: CATFACE
Report Date: July 06, 2016

CERTIFICATE OF ANALYSIS VAN16001013.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		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
66S+600E	Soil		19	0.24	24	0.098	3	1.34	0.021	0.03	1.2	0.25	1.7	<0.1	<0.05	7	1.3	<0.2
66S+625E	Soil		36	0.55	60	0.163	3	3.07	0.022	0.04	2.7	0.14	3.4	<0.1	<0.05	9	1.4	<0.2
66S+650E	Soil		28	0.38	38	0.130	2	2.38	0.022	0.03	1.6	0.11	3.1	<0.1	<0.05	8	0.9	<0.2
66S+675E	Soil		36	0.36	35	0.164	1	3.25	0.018	0.03	1.2	0.16	4.1	<0.1	<0.05	10	1.8	<0.2
66S+700E	Soil		37	0.40	40	0.147	2	4.07	0.022	0.03	1.2	0.14	5.8	<0.1	<0.05	10	1.2	<0.2
66S+725E	Soil		30	0.23	19	0.187	2	2.42	0.012	0.01	0.6	0.16	3.1	<0.1	<0.05	13	2.0	<0.2
66S+750E	Soil		74	0.30	20	0.175	4	6.70	0.016	0.02	1.1	0.21	13.7	<0.1	<0.05	9	2.4	<0.2
66S+25W	Soil		33	0.29	31	0.367	3	1.67	0.018	0.03	<0.1	0.18	2.7	<0.1	<0.05	16	1.2	<0.2
66S+50W	Soil		43	0.29	21	0.180	3	1.53	0.022	0.02	0.1	0.19	2.7	<0.1	<0.05	7	0.6	<0.2
66S+75W	Soil		32	0.28	26	0.145	2	1.60	0.017	0.02	0.1	0.10	2.1	<0.1	<0.05	8	0.9	<0.2
66S+100W	Soil		3	0.06	18	0.080	2	0.26	0.019	0.03	<0.1	0.13	1.0	<0.1	<0.05	3	<0.5	<0.2
66S+125W	Soil		12	0.07	23	0.057	2	0.35	0.015	0.04	<0.1	0.14	1.0	<0.1	<0.05	3	<0.5	<0.2
66S+150W	Soil		11	0.08	21	0.101	2	0.43	0.014	0.02	<0.1	0.08	0.8	<0.1	<0.05	5	<0.5	<0.2
66S+175W	Soil		29	0.23	26	0.090	3	0.97	0.026	0.03	<0.1	0.23	1.9	<0.1	0.08	6	1.1	<0.2
66S+200W	Soil		45	0.09	15	0.239	1	2.34	0.011	0.02	<0.1	0.20	2.5	<0.1	<0.05	20	1.6	<0.2
66S+225W	Soil		90	0.19	10	0.318	4	6.86	0.012	0.01	0.1	0.38	10.9	<0.1	0.05	16	3.8	<0.2
66S+250W	Soil		42	0.39	58	0.137	2	3.75	0.022	0.04	0.4	0.32	4.6	<0.1	<0.05	6	1.8	<0.2
66S+275W	Soil		71	0.19	11	0.269	3	3.92	0.017	0.02	0.3	0.22	4.6	<0.1	<0.05	11	2.2	<0.2
66S+300W	Soil		61	0.34	20	0.241	2	3.83	0.020	0.01	0.4	0.13	5.2	<0.1	<0.05	10	1.4	<0.2
70S+00E	Soil		6	0.10	19	0.080	2	0.32	0.018	0.04	<0.1	0.07	1.3	<0.1	<0.05	3	<0.5	<0.2
70S+25E	Soil		8	0.05	16	0.143	2	0.53	0.013	0.04	<0.1	0.16	1.1	<0.1	0.05	15	<0.5	<0.2
70S+50E	Soil		5	0.08	28	0.160	3	0.64	0.017	0.04	<0.1	0.23	0.8	<0.1	<0.05	16	<0.5	<0.2
70S+75E	Soil		4	0.13	32	0.241	2	0.56	0.012	0.03	<0.1	0.11	0.7	<0.1	<0.05	11	<0.5	<0.2
70S+100E	Soil		22	0.30	25	0.159	2	1.29	0.019	0.04	0.6	0.19	1.9	<0.1	0.05	12	0.7	<0.2
70S+125E	Soil		42	0.41	67	0.173	2	4.91	0.022	0.06	1.0	0.12	3.6	<0.1	<0.05	9	1.0	<0.2

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

Project: CATFACE
Report Date: July 06, 2016

QUALITY CONTROL REPORT VAN16001013.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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																					
54S+50E	Soil	0.9	41.2	6.6	18	<0.1	9.7	8.0	127	5.82	1.9	<0.5	2.3	6	<0.1	0.3	0.3	190	0.12	0.016	3
REP 54S+50E	QC	1.0	42.1	6.7	18	<0.1	9.8	7.8	123	6.00	1.5	1.9	2.4	6	<0.1	0.3	0.2	187	0.13	0.016	3
54S+975E	Soil	11.5	7.2	5.4	8	0.5	1.7	0.5	19	0.32	0.7	21.7	0.3	9	<0.1	0.2	1.1	34	0.20	0.029	3
REP 54S+975E	QC	11.0	6.9	5.3	8	0.4	1.6	0.5	17	0.30	<0.5	21.2	0.3	9	0.1	0.2	1.1	33	0.19	0.028	3
58S+450E	Soil	2.0	259.8	3.8	14	0.4	12.0	4.6	84	3.72	3.2	2.4	0.8	21	<0.1	0.2	0.4	118	0.17	0.038	2
REP 58S+450E	QC	2.0	249.5	3.8	13	0.4	12.3	4.5	84	3.81	3.0	4.5	0.7	21	<0.1	0.2	0.4	117	0.16	0.038	2
62S+25E	Soil	1.1	55.8	5.2	12	0.4	9.5	3.0	61	2.79	2.6	0.9	0.7	8	0.1	0.2	0.3	80	0.13	0.030	3
REP 62S+25E	QC	1.2	54.2	5.1	11	0.4	8.7	2.9	60	2.69	2.4	1.9	0.7	8	0.1	0.2	0.2	77	0.12	0.031	3
62S+50W	Soil	0.8	113.0	4.7	20	0.1	40.5	11.6	204	2.82	5.0	4.9	0.4	11	0.1	0.2	0.1	87	0.32	0.032	2
REP 62S+50W	QC	0.7	109.8	4.6	20	0.1	39.6	11.2	200	2.79	4.9	4.2	0.4	11	0.1	0.2	0.1	85	0.31	0.031	2
66S+750E	Soil	3.6	264.4	1.9	15	1.2	14.2	4.3	79	3.20	2.5	3.8	1.6	10	0.1	<0.1	0.2	83	0.12	0.045	2
REP 66S+750E	QC	3.3	259.2	1.8	14	1.2	13.5	4.4	76	3.16	2.6	3.4	1.5	10	<0.1	<0.1	0.2	80	0.11	0.047	2
Reference Materials																					
STD DS10	Standard	13.6	141.0	148.1	345	1.8	71.1	12.3	904	2.62	41.9	77.8	7.7	65	2.5	9.8	12.7	41	0.99	0.073	16
STD DS10	Standard	13.3	141.0	144.0	342	1.7	69.8	11.9	825	2.61	43.7	76.7	7.2	64	2.4	10.0	11.5	41	1.01	0.071	16
STD DS10	Standard	13.5	139.5	147.8	337	1.7	69.2	11.9	850	2.66	42.3	92.4	7.4	64	2.7	9.0	11.8	41	0.97	0.073	17
STD DS10	Standard	13.3	141.0	146.8	353	1.9	70.6	12.2	839	2.70	44.4	109.7	7.5	64	2.6	9.9	12.3	40	1.00	0.074	17
STD DS10	Standard	14.4	145.2	142.6	337	1.7	70.6	12.2	815	2.61	41.9	71.5	7.4	61	2.6	9.1	11.4	41	0.95	0.068	17
STD DS10	Standard	15.8	157.6	150.5	361	1.9	76.0	13.7	871	2.75	45.1	73.8	7.7	64	3.0	9.9	12.5	43	1.04	0.074	18
STD OXC129	Standard	1.2	26.5	6.4	39	<0.1	75.9	20.0	409	2.97	0.7	202.0	2.0	186	<0.1	<0.1	<0.1	50	0.64	0.106	12
STD OXC129	Standard	1.2	26.4	6.2	39	<0.1	72.7	18.0	384	2.78	0.6	200.8	1.9	174	<0.1	<0.1	<0.1	49	0.63	0.096	11
STD OXC129	Standard	1.2	26.7	6.3	39	<0.1	77.3	20.1	412	3.16	0.7	198.0	2.0	178	<0.1	<0.1	<0.1	53	0.64	0.099	13
STD OXC129	Standard	1.1	26.4	6.2	40	<0.1	76.1	19.7	417	3.07	0.6	207.2	1.9	192	<0.1	<0.1	<0.1	48	0.66	0.105	12
STD OXC129	Standard	1.2	27.0	6.4	37	<0.1	79.2	20.3	411	2.99	<0.5	191.1	1.9	174	<0.1	<0.1	<0.1	55	0.67	0.100	12
STD OXC129	Standard	1.4	27.2	6.3	38	<0.1	80.0	20.0	398	2.98	0.5	202.6	1.8	184	<0.1	<0.1	<0.1	53	0.65	0.095	12
STD DS10 Expected		15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765	17.5
STD OXC129 Expected		1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102	13
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
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Project: CATFACE
Report Date: July 06, 2016

QUALITY CONTROL REPORT VAN16001013.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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																	
54S+50E	Soil	43	0.57	48	0.341	2	2.83	0.016	0.05	<0.1	0.09	4.2	<0.1	<0.05	18	0.9	<0.2
REP 54S+50E	QC	42	0.55	50	0.337	2	2.78	0.015	0.05	<0.1	0.08	4.4	<0.1	<0.05	18	0.6	<0.2
54S+975E	Soil	9	0.06	6	0.069	6	0.22	0.015	0.03	<0.1	0.13	0.8	<0.1	0.05	3	0.6	<0.2
REP 54S+975E	QC	9	0.06	6	0.067	5	0.20	0.014	0.03	<0.1	0.14	0.8	<0.1	0.05	3	<0.5	<0.2
58S+450E	Soil	56	0.29	13	0.219	3	4.01	0.021	0.02	0.9	0.26	4.9	<0.1	<0.05	10	2.6	<0.2
REP 58S+450E	QC	55	0.29	12	0.215	3	4.08	0.021	0.02	0.8	0.26	4.6	<0.1	<0.05	10	3.0	<0.2
62S+25E	Soil	27	0.20	16	0.166	2	2.59	0.017	0.03	0.2	0.31	3.0	<0.1	<0.05	10	2.0	<0.2
REP 62S+25E	QC	27	0.19	16	0.161	4	2.55	0.015	0.02	0.3	0.28	3.1	<0.1	<0.05	10	1.8	<0.2
62S+50W	Soil	98	0.56	19	0.235	3	3.71	0.023	0.02	0.2	0.19	5.1	<0.1	<0.05	7	2.3	<0.2
REP 62S+50W	QC	96	0.57	19	0.232	3	3.73	0.023	0.02	0.2	0.19	5.0	<0.1	<0.05	7	2.2	<0.2
66S+750E	Soil	74	0.30	20	0.175	4	6.70	0.016	0.02	1.1	0.21	13.7	<0.1	<0.05	9	2.4	<0.2
REP 66S+750E	QC	73	0.30	19	0.180	3	6.87	0.016	0.02	1.2	0.22	13.1	<0.1	<0.05	9	3.6	<0.2
Reference Materials																	
STD DS10	Standard	50	0.72	344	0.072	7	1.00	0.064	0.31	3.5	0.29	2.7	5.2	0.24	4	2.7	5.0
STD DS10	Standard	51	0.73	342	0.074	7	1.00	0.062	0.32	3.1	0.30	2.7	5.1	0.22	4	1.8	4.8
STD DS10	Standard	50	0.71	353	0.074	6	0.99	0.066	0.31	3.2	0.28	2.8	5.0	0.25	4	1.6	4.7
STD DS10	Standard	50	0.73	370	0.075	7	1.00	0.062	0.32	3.4	0.28	2.9	5.0	0.24	4	2.7	4.7
STD DS10	Standard	52	0.72	322	0.078	6	0.96	0.062	0.30	3.1	0.26	2.7	4.9	0.23	4	2.2	4.5
STD DS10	Standard	56	0.79	352	0.083	7	1.04	0.066	0.32	3.4	0.31	2.9	5.4	0.27	4	1.9	5.0
STD OXC129	Standard	49	1.57	49	0.389	1	1.59	0.586	0.36	<0.1	<0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	48	1.44	47	0.361	1	1.43	0.569	0.34	<0.1	<0.01	1.0	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	52	1.48	51	0.410	1	1.48	0.567	0.36	<0.1	0.02	1.1	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	49	1.55	52	0.386	1	1.53	0.590	0.39	<0.1	0.01	1.3	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	52	1.46	48	0.415	<1	1.47	0.545	0.34	<0.1	<0.01	0.6	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	53	1.52	49	0.403	<1	1.51	0.568	0.34	<0.1	0.01	0.5	<0.1	<0.05	5	<0.5	<0.2
STD DS10 Expected		54.6	0.775	359	0.0817		1.0755	0.067	0.338	3.32	0.3	3	5.1	0.29	4.5	2.3	5.01
STD OXC129 Expected		52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
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

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

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

Project: CATFACE
Report Date: July 06, 2016

QUALITY CONTROL REPORT VAN16001013.1

		AQ201 Mo ppm 0.1	AQ201 Cu ppm 0.1	AQ201 Pb ppm 0.1	AQ201 Zn ppm 1	AQ201 Ag ppm 0.1	AQ201 Ni ppm 0.1	AQ201 Co ppm 0.1	AQ201 Mn ppm 1	AQ201 Fe % 0.01	AQ201 As ppm 0.5	AQ201 Au ppb 0.5	AQ201 Th ppm 0.1	AQ201 Sr ppm 1	AQ201 Cd ppm 0.1	AQ201 Sb ppm 0.1	AQ201 Bi ppm 0.1	AQ201 V ppm 2	AQ201 Ca % 0.01	AQ201 P % 0.001	AQ201 La ppm 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
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	0.3	<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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PHONE (604) 253-3158

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

Project: CATFACE
Report Date: July 06, 2016

QUALITY CONTROL REPORT VAN16001013.1

		AQ201 Cr ppm 1	AQ201 Mg % 0.01	AQ201 Ba ppm 1	AQ201 Ti % 0.001	AQ201 B ppm 1	AQ201 Al % 0.01	AQ201 Na % 0.001	AQ201 K % 0.01	AQ201 W ppm 0.1	AQ201 Hg ppm 0.01	AQ201 Sc ppm 0.1	AQ201 Tl ppm 0.1	AQ201 S % 0.05	AQ201 Ga ppm 1	AQ201 Se ppm 0.5	AQ201 Te ppm 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	0.02	<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	0.02	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

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

Submitted By: Email Distribution List
Receiving Lab: Canada-Vancouver
Received: June 23, 2016
Report Date: July 05, 2016
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN16001015.1

CLIENT JOB INFORMATION

Project: CATFACE
Shipment ID: CCML2016-01
P.O. Number
Number of Samples: 2

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	2	Crush, split and pulverize 250 g rock to 200 mesh			VAN
AQ201	2	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
DRPLP	2	Warehouse handling / disposition of pulps			VAN
DRRJT	2	Warehouse handling / Disposition of reject			VAN

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory 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. Bureau Veritas 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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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

www.bureauveritas.com/um

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

Project: CATFACE
Report Date: July 05, 2016

CERTIFICATE OF ANALYSIS VAN16001015.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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
780936	Rock	1.21	0.9	279.1	0.5	31	0.2	11.3	10.1	257	2.36	0.5	2.4	2.4	31	<0.1	<0.1	<0.1	58	0.50	0.051
780937	Rock	0.75	15.8	561.5	0.9	27	0.3	11.7	10.2	212	2.63	<0.5	8.4	2.1	39	<0.1	<0.1	0.9	65	0.50	0.050

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

Project: CATFACE
Report Date: July 05, 2016

CERTIFICATE OF ANALYSIS VAN16001015.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		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
780936	Rock		6	16	0.79	171	0.202	<1	1.49	0.175	0.53	0.1	<0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
780937	Rock		5	16	0.88	223	0.226	<1	1.83	0.226	0.97	0.2	<0.01	2.9	0.3	<0.05	7	<0.5	<0.2

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

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

Project: CATFACE
Report Date: July 05, 2016

QUALITY CONTROL REPORT VAN16001015.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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
Reference Materials																					
STD DS10	Standard		14.6	157.5	151.0	366	1.8	74.8	13.3	903	2.80	47.0	84.7	8.0	71	2.8	9.3	12.7	44	1.08	0.076
STD OXC129	Standard		1.3	27.3	6.6	42	<0.1	81.0	20.0	426	3.06	0.5	190.8	2.1	192	<0.1	<0.1	<0.1	53	0.70	0.105
STD DS10 Expected			15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765
STD OXC129 Expected			1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102
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																					
ROCK-VAN	Prep Blank		0.8	4.2	1.6	33	<0.1	1.8	3.6	437	1.71	1.2	1.4	2.3	29	<0.1	<0.1	<0.1	23	0.66	0.042

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

Project: CATFACE
Report Date: July 05, 2016

QUALITY CONTROL REPORT VAN16001015.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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
Reference Materials																		
STD DS10	Standard	18	56	0.78	361	0.085	7	1.07	0.069	0.33	3.2	0.27	2.9	5.2	0.28	5	2.4	4.6
STD OXC129	Standard	13	54	1.57	53	0.416	<1	1.59	0.602	0.36	<0.1	<0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
STD DS10 Expected		17.5	54.6	0.775	359	0.0817		1.0755	0.067	0.338	3.32	0.3	3	5.1	0.29	4.5	2.3	5.01
STD OXC129 Expected		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
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																		
ROCK-VAN	Prep Blank	5	3	0.39	62	0.081	1	0.98	0.088	0.09	0.1	<0.01	2.8	<0.1	<0.05	4	<0.5	<0.2

BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

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

Submitted By: Email Distribution List
Receiving Lab: Canada-Vancouver
Received: November 17, 2016
Report Date: December 16, 2016
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN16002359.1

CLIENT JOB INFORMATION

Project: CATFACE
Shipment ID: CCML2016-02
P.O. Number
Number of Samples: 9

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	9	Crush, split and pulverize 250 g rock to 200 mesh			VAN
AQ201	9	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
DRPLP	9	Warehouse handling / disposition of pulps			VAN
DRRJT	9	Warehouse handling / Disposition of reject			VAN

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Production 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. Bureau Veritas 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.

BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

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

Project: CATFACE
Report Date: December 16, 2016

CERTIFICATE OF ANALYSIS VAN16002359.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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
CF16-01	Rock	0.44	0.1	862.9	1.6	35	0.6	23.0	11.9	199	1.85	<0.5	5.8	0.2	118	<0.1	<0.1	<0.1	71	2.11	0.058
CF16-02	Rock	0.57	1.1	454.9	0.6	14	0.1	13.7	14.3	110	2.23	<0.5	2.1	2.9	30	<0.1	<0.1	<0.1	46	0.46	0.037
CF16-03	Rock	0.42	0.7	557.5	1.0	12	0.3	6.0	7.0	80	1.63	<0.5	2.8	3.4	23	<0.1	<0.1	<0.1	27	0.32	0.023
CF16-04	Rock	0.62	6.9	1059.9	0.8	24	0.5	12.0	6.7	177	2.36	<0.5	6.0	2.1	43	<0.1	<0.1	0.1	54	0.55	0.046
CF16-05	Rock	0.61	17.8	1822.6	0.5	26	1.5	9.1	6.9	182	2.81	<0.5	12.5	3.0	32	0.1	<0.1	0.5	58	0.52	0.043
CF16-06	Rock	0.51	4.4	6088.3	1.0	32	3.3	9.2	9.6	171	2.94	<0.5	56.5	0.8	74	0.1	<0.1	0.7	73	1.32	0.128
CF16-07	Rock	0.74	1.6	226.9	5.2	16	0.2	2.0	3.2	88	1.18	<0.5	2.7	4.3	10	<0.1	<0.1	<0.1	14	0.11	0.009
CF16-08	Rock	0.39	2.8	131.0	7.4	33	<0.1	17.7	9.4	165	2.16	<0.5	1.9	1.1	78	<0.1	<0.1	<0.1	49	0.84	0.045
CF16-09	Rock	0.85	1.3	295.3	0.7	23	0.1	5.5	7.0	234	2.49	<0.5	2.4	2.1	33	<0.1	<0.1	<0.1	41	0.47	0.028

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

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

Project: CATFACE
Report Date: December 16, 2016

CERTIFICATE OF ANALYSIS VAN16002359.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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
CF16-01	Rock	2	21	0.50	19	0.195	1	2.25	0.272	0.05	0.2	<0.01	6.4	<0.1	0.19	7	<0.5	<0.2
CF16-02	Rock	3	13	0.70	199	0.168	<1	1.50	0.231	0.55	0.1	<0.01	6.3	0.1	0.61	5	2.0	<0.2
CF16-03	Rock	4	6	0.41	98	0.114	<1	1.33	0.229	0.46	0.4	<0.01	4.2	<0.1	0.35	5	<0.5	<0.2
CF16-04	Rock	5	17	0.89	181	0.176	<1	1.92	0.212	0.75	0.3	<0.01	3.9	0.3	<0.05	6	<0.5	<0.2
CF16-05	Rock	5	18	0.94	195	0.214	<1	2.12	0.252	0.75	2.3	<0.01	6.2	0.3	0.11	7	1.3	<0.2
CF16-06	Rock	3	10	0.54	72	0.102	<1	2.50	0.410	0.12	0.1	<0.01	6.1	<0.1	0.81	8	3.4	0.7
CF16-07	Rock	9	3	0.22	95	0.078	<1	0.61	0.090	0.32	0.2	<0.01	2.7	<0.1	<0.05	3	<0.5	<0.2
CF16-08	Rock	3	20	0.81	164	0.188	<1	2.00	0.260	0.54	<0.1	0.01	1.9	0.1	<0.05	6	<0.5	<0.2
CF16-09	Rock	5	10	0.65	247	0.175	<1	1.74	0.264	0.69	0.1	<0.01	5.9	0.1	<0.05	6	<0.5	<0.2

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

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

Project: CATFACE

Report Date: December 16, 2016

QUALITY CONTROL REPORT VAN16002359.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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
Reference Materials																					
STD DS10	Standard		14.6	146.7	147.9	357	1.8	71.2	12.1	870	2.78	43.9	70.8	7.8	72	2.9	8.8	12.2	43	1.07	0.073
STD OXC129	Standard		1.3	25.7	6.3	38	<0.1	74.7	19.4	401	3.07	<0.5	200.8	1.9	205	<0.1	<0.1	<0.1	51	0.71	0.097
STD DS10 Expected			15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765
STD OXC129 Expected			1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102
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																					
ROCK-VAN	Prep Blank		1.1	8.2	16.6	33	<0.1	0.9	3.4	504	1.79	0.9	2.0	2.1	21	<0.1	<0.1	<0.1	22	0.64	0.037

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

Project: CATFACE

Report Date: December 16, 2016

QUALITY CONTROL REPORT VAN16002359.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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
Reference Materials																		
STD DS10	Standard	18	54	0.77	356	0.079	6	1.08	0.074	0.33	3.4	0.28	3.0	5.1	0.27	4	2.6	4.9
STD OXC129	Standard	12	50	1.55	49	0.379	<1	1.62	0.597	0.36	<0.1	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2
STD DS10 Expected		17.5	54.6	0.775	359	0.0817		1.0755	0.067	0.338	3.32	0.3	3	5.1	0.29	4.5	2.3	5.01
STD OXC129 Expected		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
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																		
ROCK-VAN	Prep Blank	7	2	0.42	65	0.069	1	0.92	0.137	0.14	<0.1	<0.01	3.0	<0.1	0.06	4	<0.5	<0.2

AQ300, AQ200

Package Description	Geochemical aqua regia digestion
Sample Digestion	HNO3-HCl acid digestion
Instrumentation Method	ICP-ES (AQ300, AQ200), ICP-MS (AQ200)
Legacy Code	1D, 1DX
Applicability	Sediment, Soil, Non-mineralized Rock and Drill Core

METHOD DESCRIPTION:

Prepared sample is digested with a modified Aqua Regia solution of equal parts concentrated HCl, HNO3 and DI H2O for one hour in a heating block or hot water bath. Sample is made up to volume with dilute HCl. Sample splits of 0.5g are analyzed optional 15g or 30g digestion available for AQ200.

Element	AQ300 Detection	AQ200 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	-	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	50 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

Element	AQ300 Detection	AQ200 Detection	Upper Limit
Na*	0.01 %	0.001 %	5 %
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 %	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
Te	-	0.2 ppm	1000 ppm
Th*	2 ppm	0.1 ppm	2000 ppm
Ti*	0.01 %	0.001 %	5 %
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.

Limitations:

Au solubility can be limited by refractory and graphitic samples.

SECTION E: SAMPLE LOCATIONS

Coordinate locations recorded in UTM NAD83 Zone 10.

SOIL SAMPLE LOCATIONS AND DESCRIPTIONS

Project	Sample Type	Line	Station	SampleID	Easting_NAD83_10	Northing_NAD83_10	Elevation	Depth	Colour	Sampler	Date	Notes
Catface	B-Horizon	54S	0E	54S+0E	283975	5458949	327	30	DB	BE	06-Jun-16	
Catface	B-Horizon	54S	25E	54S+25E	283998	5458965	326	30	DB	BE	07-Jun-16	
Catface	B-Horizon	54S	50E	54S+50E	284026	5458964	344	10	LB	BE	07-Jun-16	
Catface	B-Horizon	54S	75E	54S+75E	284067	5458995	308	20	GY	BE	07-Jun-16	
Catface	B-Horizon	54S	100E	54S+100E	284078	5459002	318	20	DB	BE	07-Jun-16	
Catface	B-Horizon	54S	125E	54S+125E	284109	5459008	315	20	LB	BE	07-Jun-16	
Catface	B-Horizon	54S	150E	54S+150E	284127	5459032	317	20	DB	BE	07-Jun-16	
Catface	B-Horizon	54S	175E	54S+175E	284153	5459031	301	25	DB	BE	07-Jun-16	
Catface	B-Horizon	54S	200E	54S+200E	284168	5459048	305	25	DB	BE	07-Jun-16	LANDSLIDE
Catface	B-Horizon	54S	225E	54S+225E	284178	5459068	317	5	DB	BE	07-Jun-16	LANDSLIDE
Catface	B-Horizon	54S	250E	54S+250E								NO SAMPLE
Catface	B-Horizon	54S	275E	54S+275E	284228	5459072	337	10	DB	BE	07-Jun-16	
Catface	B-Horizon	54S	300E	54S+300E	284250	5459105	346	25	DB	BE	07-Jun-16	
Catface	B-Horizon	54S	325E	54S+325E	284272	5459100	348	15	LB	BE	07-Jun-16	
Catface	B-Horizon	54S	350E	54S+350E	284298	5459122	347	15	DB	BE	07-Jun-16	
Catface	B-Horizon	54S	375E	54S+375E	284328	5459126	322	10	LB	BE	07-Jun-16	
Catface	B-Horizon	54S	400E	54S+400E	284355	5459141	314	15	LB	BE	07-Jun-16	
Catface	B-Horizon	54S	425E	54S+425E	284366	5459147	313	15	LB	BE	07-Jun-16	
Catface	B-Horizon	54S	450E	54S+450E	284393	5459163	302	15	DB	BE	07-Jun-16	
Catface	B-Horizon	54S	475E	54S+475E	284422	5459179	305	25	DB	BE	07-Jun-16	
Catface	B-Horizon	54S	500E	54S+500E	284449	5459185	289	10	LB	BE	07-Jun-16	
Catface	B-Horizon	54S	525E	54S+525E	284476	5459185	284	15	DB	BE	07-Jun-16	
Catface	B-Horizon	54S	550E	54S+550E	284502	5459194	266	15	DB	BE	07-Jun-16	
Catface	B-Horizon	54S	575E	54S+575E	284523	5459210	239	10	DB	BE	07-Jun-16	
Catface	B-Horizon	54S	600E	54S+600E	284530	5459231	237	10	LB	BE	07-Jun-16	
Catface	B-Horizon	54S	625E	54S+625E	284546	5459263	227	15	DB	BE	07-Jun-16	
Catface	B-Horizon	54S	650E	54S+650E	284585	5459260	242	12	BR	BE	08-Jun-16	
Catface	B-Horizon	54S	675E	54S+675E	284609	5459271	255	15	BR	BE	08-Jun-16	
Catface	B-Horizon	54S	700E	54S+700E	284630	5459286	255	15	BR	BE	08-Jun-16	
Catface	B-Horizon	54S	725E	54S+725E	284660	5459296	249	9	LB	BE	08-Jun-16	
Catface	B-Horizon	54S	750E	54S+750E	284681	5459313	223	12	DB	BE	08-Jun-16	
Catface	B-Horizon	54S	775E	54S+775E	284697	5459339	230	15	LB	BE	08-Jun-16	
Catface	B-Horizon	54S	800E	54S+800E	284729	5459332	222	8	BR	BE	08-Jun-16	
Catface	B-Horizon	54S	825E	54S+825E	284760	5459331	211	7	LB	BE	08-Jun-16	
Catface	B-Horizon	54S	850E	54S+850E	284772	5459360	219	12	LB	BE	08-Jun-16	
Catface	B-Horizon	54S	875E	54S+875E	284808	5459363	220	15	DB	BE	08-Jun-16	
Catface	B-Horizon	54S	900E	54S+900E	284821	5459376	217	17	LB	BE	08-Jun-16	
Catface	B-Horizon	54S	925E	54S+925E	284844	5459388	224	20	BR	BE	08-Jun-16	
Catface	B-Horizon	54S	950E	54S+950E	284870	5459398	229	23	DB	BE	08-Jun-16	
Catface	B-Horizon	54S	975E	54S+975E	284893	5459408	233	25	DB	BE	08-Jun-16	
Catface	B-Horizon	54S	1000E	54S+1000E	284943	5459421	247	15	GY	BE	08-Jun-16	
Catface	B-Horizon	54S	1025E	54S+1025E	284966	5459430	250	20	GY	BE	08-Jun-16	
Catface	B-Horizon	54S	1050E	54S+1050E	284989	5459439	251	20	GY	BE	08-Jun-16	
Catface	B-Horizon	54S	1075E	54S+1075E	285001	5459456	247	15	GY	BE	08-Jun-16	
Catface	B-Horizon	54S	1100E	54S+1100E	285026	5459458	227	10	BR	BE	08-Jun-16	
Catface	B-Horizon	54S	1125E	54S+1125E	285060	5459462	211	25	LB	BE	08-Jun-16	
Catface	B-Horizon	54S	25W	54S+25W	283953	5458952	319	10	LB	BE	06-Jun-16	
Catface	B-Horizon	54S	50W	54S+50W	283920	5458947	318	25	DB	BE	06-Jun-16	
Catface	B-Horizon	54S	75W	54S+75W	283903	5458923	318	15	LB	BE	06-Jun-16	
Catface	B-Horizon	54S	100W	54S+100W	283871	5458930	316	15	DB	BE	06-Jun-16	
Catface	B-Horizon	54S	125W	54S+125W	283849	5458926	331	10	LB	BE	06-Jun-16	
Catface	B-Horizon	54S	150W	54S+150W	283820	5458905	344	15	LB	BE	06-Jun-16	
Catface	B-Horizon	54S	175W	54S+175W	283800	5458893	344	15	LB	BE	06-Jun-16	
Catface	B-Horizon	54S	200W	54S+200W	283776	5458884	341	25	GY	BE	06-Jun-16	
Catface	B-Horizon	54S	225W	54S+225W	283741	5458881	324	10	LB	BE	06-Jun-16	
Catface	B-Horizon	54S	250W	54S+250W	283721	5458886	307	15	LB	BE	06-Jun-16	
Catface	B-Horizon	54S	275W	54S+275W	283705	5458869	293	20	GY	BE	06-Jun-16	
Catface	B-Horizon	54S	300W	54S+300W	283684	5458861	280	15	LB	BE	06-Jun-16	
Catface	B-Horizon	58S	0E	58S+0E	284014	5458869	246	10	BR	GF	07-Jun-16	
Catface	B-Horizon	58S	25E	58S+25E	284037	5458862	273	25	DB	GF	07-Jun-16	
Catface	B-Horizon	58S	50E	58S+50E	284078	5458875	262	15	BR	GF	07-Jun-16	
Catface	B-Horizon	58S	75E	58S+75E	284099	5458901	259	5	LB	GF	07-Jun-16	
Catface	B-Horizon	58S	100E	58S+100E	284128	5458904	258	5	LB	GF	07-Jun-16	
Catface	B-Horizon	58S	125E	58S+125E								NO SAMPLE
Catface	B-Horizon	58S	150E	58S+150E	284156	5458917	257	5	LB	GF	07-Jun-16	
Catface	B-Horizon	58S	175E	58S+175E	284181	5458927	269	5	LB	GF	07-Jun-16	
Catface	B-Horizon	58S	200E	58S+200E	284206	5458932	268	5	LB	GF	07-Jun-16	
Catface	B-Horizon	58S	225E	58S+225E	284224	5458936	272	5	LB	GF	07-Jun-16	
Catface	B-Horizon	58S	250E	58S+250E	284252	5458950	274	5	LB	GF	07-Jun-16	
Catface	B-Horizon	58S	275E	58S+275E	284280	5458964	303	5	LB	GF	07-Jun-16	
Catface	B-Horizon	58S	300E	58S+300E	284294	5458977	300	5	LB	GF	07-Jun-16	
Catface	B-Horizon	58S	325E	58S+325E	284311	5459000	289	5	BR	GF	07-Jun-16	
Catface	B-Horizon	58S	350E	58S+350E	284335	5459014	295	5	LB	GF	07-Jun-16	
Catface	B-Horizon	58S	375E	58S+375E	284351	5459043	293	5	LB	GF	07-Jun-16	
Catface	B-Horizon	58S	400E	58S+400E	284365	5459050	285	5	BR	GF	07-Jun-16	
Catface	B-Horizon	58S	425E	58S+425E	284394	5459062	282	5	LB	GF	07-Jun-16	
Catface	B-Horizon	58S	450E	58S+450E	284409	5459073	259	5	LB	GF	08-Jun-16	
Catface	B-Horizon	58S	475E	58S+475E	284426	5459084	225	5	BR	GF	08-Jun-16	
Catface	B-Horizon	58S	500E	58S+500E	284442	5459095	245	5	LB	GF	08-Jun-16	
Catface	B-Horizon	58S	525E	58S+525E	284465	5459106	246	15	BR	GF	08-Jun-16	
Catface	B-Horizon	58S	550E	58S+550E	284481	5459116	235	15	BR	GF	08-Jun-16	
Catface	B-Horizon	58S	575E	58S+575E	284505	5459130	223	5	DB	GF	08-Jun-16	
Catface	B-Horizon	58S	600E	58S+600E	284528	5459148	206	5	LB	GF	08-Jun-16	

Catface	B-Horizon	58S	625E	58S+625E	284535	5459157	186	5	BR	GF	08-Jun-16	
Catface	B-Horizon	58S	650E	58S+650E	284546	5459154	192	5	GY	GF	08-Jun-16	WARNING:Duplicate sample ID, possible switch with 58S+675E
Catface	B-Horizon	58S	675E	58S+675E	284580	5459153	210	5	LB	GF	08-Jun-16	WARNING:Duplicate sample ID, possible switch with 58S+650E
Catface	B-Horizon	58S	700E	58S+700E	284601	5459164	202	5	LB	GF	08-Jun-16	
Catface	B-Horizon	58S	725E	58S+725E	284618	5459183	209	30	BR	GF	08-Jun-16	
Catface	B-Horizon	58S	750E	58S+750E	284631	5459198	210	10	LB	GF	08-Jun-16	
Catface	B-Horizon	58S	775E	58S+775E	284659	5459198	234	10	LB	GF	08-Jun-16	
Catface	B-Horizon	58S	800E	58S+800E	284676	5459224	232	20	BR	GF	08-Jun-16	
Catface	B-Horizon	58S	825E	58S+825E	284693	5459238	200	5	DB	GF	08-Jun-16	WARNING:Duplicate sample ID, possible switch with 58S+850E
Catface	B-Horizon	58S	850E	58S+850E	284720	5459244	215	10	LB	GF	08-Jun-16	WARNING:Duplicate sample ID, possible switch with 58S+825E
Catface	B-Horizon	58S	875E	58S+875E	284746	5459249	209	10	LB	GF	08-Jun-16	
Catface	B-Horizon	58S	900E	58S+900E	284767	5459259	198	20	DB	GF	08-Jun-16	
Catface	B-Horizon	58S	925E	58S+925E	284785	5459269	201	10	BR	GF	08-Jun-16	
Catface	B-Horizon	58S	950E	58S+950E	284812	5459286	201	5	LB	GF	08-Jun-16	
Catface	B-Horizon	58S	975E	58S+975E	284828	5459290	214	15	BR	GF	08-Jun-16	
Catface	B-Horizon	58S	1000E	58S+1000E	284848	5459298	199	10	BR	GF	08-Jun-16	
Catface	B-Horizon	58S	25W	58S+25W	284003	5458841	274	15	LB	GF	07-Jun-16	
Catface	B-Horizon	58S	50W	58S+50W	283969	5458829	276	20	LB	GF	07-Jun-16	
Catface	B-Horizon	58S	75W	58S+75W	283949	5458819	280	15	DB	GF	07-Jun-16	
Catface	B-Horizon	58S	100W	58S+100W	283924	5458809	255	15	LB	GF	07-Jun-16	
Catface	B-Horizon	58S	125W	58S+125W	283908	5458795	274	5	LB	GF	07-Jun-16	
Catface	B-Horizon	58S	150W	58S+150W	283885	5458798	265	5	LB	GF	07-Jun-16	
Catface	B-Horizon	58S	175W	58S+175W	283860	5458773	266	5	LB	GF	07-Jun-16	
Catface	B-Horizon	58S	200W	58S+200W	283826	5458774	245	5	BR	GF	07-Jun-16	
Catface	B-Horizon	58S	225W	58S+225W	283796	5458763	252	5	BR	GF	07-Jun-16	
Catface	B-Horizon	58S	250W	58S+250W	283768	5458764	237	5	BR	GF	07-Jun-16	
Catface	B-Horizon	58S	275W	58S+275W	283747	5458747	250	5	BR	GF	07-Jun-16	
Catface	B-Horizon	58S	300W	58S+300W	283724	5458753	222	10	DB	GF	07-Jun-16	
Catface	B-Horizon	62S	0E	62S+0E	284057	5458753	195	10	LB	GF	09-Jun-16	
Catface	B-Horizon	62S	25E	62S+25E	284182	5458730	186	5	LB	GF	09-Jun-16	
Catface	B-Horizon	62S	50E	62S+50E	284194	5458741	198	20	LB	GF	09-Jun-16	
Catface	B-Horizon	62S	75E	62S+75E	284221	5458752	191	15	LB	GF	09-Jun-16	
Catface	B-Horizon	62S	100E	62S+100E	284238	5458773	195	5	LB	GF	09-Jun-16	
Catface	B-Horizon	62S	125E	62S+125E	284275	5458775	225	20	LB	GF	09-Jun-16	
Catface	B-Horizon	62S	150E	62S+150E	284290	5458805	200	30	DB	GF	09-Jun-16	
Catface	B-Horizon	62S	175E	62S+175E	284294	5458824	208	5	LB	GF	09-Jun-16	
Catface	B-Horizon	62S	200E	62S+200E	284302	5458841	210	5	LB	GF	09-Jun-16	
Catface	B-Horizon	62S	225E	62S+225E	284320	5458841	230	5	LB	GF	09-Jun-16	
Catface	B-Horizon	62S	250E	62S+250E	284347	5458873	241	30	DB	GF	09-Jun-16	
Catface	B-Horizon	62S	275E	62S+275E	284366	5458898	217	20	BR	GF	09-Jun-16	
Catface	B-Horizon	62S	300E	62S+300E	284369	5458918	219	10	BR	GF	09-Jun-16	
Catface	B-Horizon	62S	325E	62S+325E	284391	5458948	228	10	LB	GF	09-Jun-16	
Catface	B-Horizon	62S	350E	62S+350E	284398	5458970	222	15	BR	GF	09-Jun-16	
Catface	B-Horizon	62S	375E	62S+375E	284411	5458982	235	5	BR	GF	09-Jun-16	
Catface	B-Horizon	62S	400E	62S+400E	284422	5458995	196	5	BR	GF	09-Jun-16	
Catface	B-Horizon	62S	425E	62S+425E	284445	5459015	192	30	DB	GF	09-Jun-16	
Catface	B-Horizon	62S	450E	62S+450E	284472	5459019	190	5	BR	GF	09-Jun-16	
Catface	B-Horizon	62S	475E	62S+475E	284497	5459025	185	20	BR	GF	09-Jun-16	
Catface	B-Horizon	62S	500E	62S+500E								NO SAMPLE
Catface	B-Horizon	62S	525E	62S+525E	284542	5459013	171	10	BR	GF	09-Jun-16	
Catface	B-Horizon	62S	550E	62S+550E	284569	5459025	165	10	DB	GF	08-Jun-16	
Catface	B-Horizon	62S	575E	62S+575E	284599	5459025	150	10	DB	GF	08-Jun-16	
Catface	B-Horizon	62S	600E	62S+600E	284622	5459027	157	5	BR	GF	08-Jun-16	
Catface	B-Horizon	62S	625E	62S+625E	284646	5459025	169	5	BR	GF	08-Jun-16	
Catface	B-Horizon	62S	650E	62S+650E	284642	5459060	168	15	BR	GF	08-Jun-16	
Catface	B-Horizon	62S	675E	62S+675E	284669	5459045	152	5	BR	GF	08-Jun-16	
Catface	B-Horizon	62S	700E	62S+700E	284672	5459071	139	5	LB	GF	08-Jun-16	
Catface	B-Horizon	62S	725E	62S+725E	284705	5459061	143	5	LB	GF	08-Jun-16	
Catface	B-Horizon	62S	750E	62S+750E	284735	5459085	142	5	LB	GF	08-Jun-16	
Catface	B-Horizon	62S	775E	62S+775E	284767	5459096	146	5	LB	GF	08-Jun-16	
Catface	B-Horizon	62S	800E	62S+800E	284777	5459097	136	5	BR	GF	08-Jun-16	
Catface	B-Horizon	62S	825E	62S+825E	284804	5459112	137	5	BR	GF	08-Jun-16	
Catface	B-Horizon	62S	850E	62S+850E	284820	5459117	127	5	LB	GF	08-Jun-16	
Catface	B-Horizon	62S	875E	62S+875E	284846	5459115	128	5	BR	GF	08-Jun-16	
Catface	B-Horizon	62S	900E	62S+900E	284858	5459121	132	20	BR	GF	08-Jun-16	
Catface	B-Horizon	62S	25W	62S+25W	284032	5458748	214	10	LB	GF	09-Jun-16	
Catface	B-Horizon	62S	50W	62S+50W	284016	5458726	189	10	BR	GF	09-Jun-16	
Catface	B-Horizon	62S	75W	62S+75W	284004	5458723	198	15	BR	GF	09-Jun-16	
Catface	B-Horizon	62S	100W	62S+100W	283983	5458701	185	5	BR	GF	09-Jun-16	
Catface	B-Horizon	62S	125W	62S+125W	283964	5458691	188	5	LB	GF	09-Jun-16	
Catface	B-Horizon	62S	150W	62S+150W	283941	5458676	183	15	BR	GF	09-Jun-16	
Catface	B-Horizon	62S	175W	62S+175W	283915	5458675	176	20	BR	GF	09-Jun-16	
Catface	B-Horizon	62S	200W	62S+200W	283901	5458660	180	15	GY	GF	09-Jun-16	
Catface	B-Horizon	62S	225W	62S+225W	283881	5458657	192	20	DB	GF	09-Jun-16	
Catface	B-Horizon	62S	250W	62S+250W	283863	5458645	188	10	BR	GF	09-Jun-16	
Catface	B-Horizon	62S	275W	62S+275W	283850	5458640	186	20	BR	GF	09-Jun-16	
Catface	B-Horizon	62S	300W	62S+300W	283835	5458633	179	5	LB	GF	09-Jun-16	
Catface	B-Horizon	66S	0E	66S+0E	284077	5458679	168	10	BR	BE	09-Jun-16	
Catface	B-Horizon	66S	25E	66S+25E	284110	5458684	177	20	DB	BE	09-Jun-16	
Catface	B-Horizon	66S	50E	66S+50E	284135	5458701	176	15	LB	BE	09-Jun-16	
Catface	B-Horizon	66S	75E	66S+75E								NO SAMPLE
Catface	B-Horizon	66S	100E	66S+100E								NO SAMPLE

Catface	B-Horizon	66S	125E	66S+125E								NO SAMPLE
Catface	B-Horizon	66S	150E	66S+150E	284250	5458767	183	5	LB	BE	09-Jun-16	
Catface	B-Horizon	66S	175E	66S+175E								NO SAMPLE
Catface	B-Horizon	66S	200E	66S+200E	284297	5458782	191	5	LB	BE	09-Jun-16	
Catface	B-Horizon	66S	225E	66S+225E	284318	5458790	194	5	LB	BE	09-Jun-16	
Catface	B-Horizon	66S	250E	66S+250E	284337	5458797	200	15	DB	BE	09-Jun-16	
Catface	B-Horizon	66S	275E	66S+275E	284365	5458810	188	10	DB	BE	09-Jun-16	
Catface	B-Horizon	66S	300E	66S+300E	284387	5458828	189	10	DB	BE	09-Jun-16	
Catface	B-Horizon	66S	325E	66S+325E	284408	5458833	170	15	DB	BE	09-Jun-16	WARNING:Duplicate sample ID, possible switch with 66S+350E
Catface	B-Horizon	66S	350E	66S+350E	284433	5458840	163	5	DB	BE	09-Jun-16	WARNING:Duplicate sample ID, possible switch with 66S+325E
Catface	B-Horizon	66S	375E	66S+375E	284455	5458844	161	10	DB	BE	09-Jun-16	
Catface	B-Horizon	66S	400E	66S+400E	284485	5458850	165	15	BR	BE	09-Jun-16	
Catface	B-Horizon	66S	425E	66S+425E	284508	5458866	152	10	LB	BE	09-Jun-16	
Catface	B-Horizon	66S	450E	66S+450E	284522	5458886	150	10	LB	BE	09-Jun-16	
Catface	B-Horizon	66S	475E	66S+475E								NO SAMPLE
Catface	B-Horizon	66S	500E	66S+500E	284575	5458899	137	15	BR	BE	09-Jun-16	
Catface	B-Horizon	66S	525E	66S+525E	284589	5458913	130	20	LB	BE	09-Jun-16	
Catface	B-Horizon	66S	550E	66S+550E	284615	5458915	136	5	LB	BE	09-Jun-16	
Catface	B-Horizon	66S	575E	66S+575E	284638	5458929	125	10	DB	BE	09-Jun-16	
Catface	B-Horizon	66S	600E	66S+600E	284660	5458927	117	10	DB	BE	09-Jun-16	
Catface	B-Horizon	66S	625E	66S+625E	284685	5458931	131	10	BR	BE	09-Jun-16	
Catface	B-Horizon	66S	650E	66S+650E	284704	5458930	145	10	BR	BE	09-Jun-16	
Catface	B-Horizon	66S	675E	66S+675E	284739	5458947	116	15	BR	BE	08-Jun-16	
Catface	B-Horizon	66S	700E	66S+700E	284750	5458968	119	10	LB	BE	08-Jun-16	
Catface	B-Horizon	66S	725E	66S+725E	284783	5458977	114	10	BR	BE	08-Jun-16	
Catface	B-Horizon	66S	750E	66S+750E	284800	5458988	113	15	BR	BE	08-Jun-16	
Catface	B-Horizon	66S	25W	66S+25W	284058	5458665	160	5	BR	BE	09-Jun-16	
Catface	B-Horizon	66S	50W	66S+50W	284048	5458647	161	10	BR	BE	09-Jun-16	
Catface	B-Horizon	66S	75W	66S+75W	284021	5458644	145	10	DB	BE	09-Jun-16	
Catface	B-Horizon	66S	100W	66S+100W	284003	5458630	153	15	DB	BE	09-Jun-16	
Catface	B-Horizon	66S	125W	66S+125W	283973	5458626	152	25	DB	BE	09-Jun-16	
Catface	B-Horizon	66S	150W	66S+150W	283951	5458623	144	20	DB	BE	09-Jun-16	
Catface	B-Horizon	66S	175W	66S+175W	283938	5458608	137	20	DB	BE	09-Jun-16	
Catface	B-Horizon	66S	200W	66S+200W	283922	5458592	134	10	LB	BE	09-Jun-16	
Catface	B-Horizon	66S	225W	66S+225W	283895	5458572	125	10	LB	BE	09-Jun-16	
Catface	B-Horizon	66S	250W	66S+250W	283873	5458564	118	20	GY	BE	09-Jun-16	
Catface	B-Horizon	66S	275W	66S+275W	283847	5458562	109	15	LB	BE	09-Jun-16	
Catface	B-Horizon	66S	300W	66S+300W	283823	5458554	112	10	LB	BE	09-Jun-16	
Catface	B-Horizon	70S	0E	70S+0E	284136	5458549	122	5	GY	GF	09-Jun-16	
Catface	B-Horizon	70S	25E	70S+25E	284160	5458567	125	30	BR	GF	09-Jun-16	
Catface	B-Horizon	70S	50E	70S+50E	284189	5458575	128	15	BR	GF	09-Jun-16	
Catface	B-Horizon	70S	75E	70S+75E	284208	5458580	124	20	BR	GF	09-Jun-16	
Catface	B-Horizon	70S	100E	70S+100E	284225	5458592	113	10	DB	GF	09-Jun-16	
Catface	B-Horizon	70S	125E	70S+125E	284252	5458604	108	7	DB	GF	09-Jun-16	

ROCK CHIP SAMPLE LOCATIONS AND DESCRIPTIONS

Project	Sample Type	Sample ID	Date	Easting NAD83 10	Northing NAD83 10	Elevation	Lithology	Lith Texture	Alteration Int Style	Alteration Min	Mineralisation	Vein Style Texture	Structure	Description
Catface	RCK-FLT	780936	08-Jun-16	284825	5459384	225	Thbt				0.2% ds pyr			Hecate Bay tonalite w/ 0.2% disseminated pyrite
Catface	RCK-FLT	780937	08-Jun-16	284898	5459239	179	Thbt				0.2% ds pyr			Hecate Bay tonalite w/ 0.2% disseminated pyrite
Catface	RCK-FLT	CF16-01	09-Nov-16	284636	5458997	138	Trk				0.75% dis cpy, pho, bon			Karmutsen volcanics with 0.75% disseminated and veined chalcopyrite with trace pyrrhotite and bornite, float
Catface	RCK-FLT	CF16-02	09-Nov-16	284635	5458992	139	Thbt		mo K	sil-bio-ser	1.5% dis pyr, tr mol			Hecate bay tonalite with moderate silica-sericite-biotite altn, fine felt biotite, 1.5% disseminated pyrite, float
Catface	RCK-FLT	CF16-03	09-Nov-16	284600	5459063	165	Thbt		wk K	sil-bio	0.2% ds cpy, tr mol			Hecate Bay tonalite with moderate silica and weak biotite altn, 0.2% disseminated chalcopyrite and trace molybdenite, float
Catface	RCK-FLT	CF16-04	09-Nov-16	284497	5459223	245	Thbt		wk K	sil-bio	0.1% ds cpy, mal			Hecate Bay tonalite with 0.1% disseminated chalcopyrite, malachite, weak silica-biotite altn, float
Catface	RCK-FLT	CF16-05	09-Nov-16	284490	5459202	243	Thbt		wk K	sil-bio	0.5% ds cpy			Hecate Bay tonalite with 0.5% disseminated and veined chalcopyrite, weak silica-biotite altn, float
Catface	RCK-FLT	CF16-06	09-Nov-16	284481	5459126	243	Thbt		st K	sil-bio	1.5% ds cpy, tr bon			Hecate Bay tonalite? Intrusive with strong biotite-silica altn, black in colour, 1.5% disseminated and veined chalcopyrite and trace bornite, float
Catface	RCK-OUT	CF16-07	09-Nov-16	284561	5459019	171	Thbt			sil	0.1% ds cpy			Hecate Bay tonalite, silicified with 0.1% disseminated chalcopyrite, outcrop
Catface	RCK-FLT	CF16-08	09-Nov-16	284559	5458964	164	Thbt			sil	0.1% ds pyr, tr cpy			Hecate Bay tonalite, silicified with 0.1% disseminated pyrite, trace cpy, float
Catface	RCK-FLT	CF16-09	09-Nov-16	284580	5458960	146	Thbt			sil	0.3% ds cpy			Hecate Bay tonalite, silicified with 0.3% disseminated chalcopyrite, float

SECTION F: ILLUSTRATIONS

Plan Number	Title	Scale
CF-16-1 (after p.2)	BC Location Plan	1:8 000 000
CF-16-2 (after p.2)	General Location Plan	1:200 000
CF-16-3 (after p.2)	Mineral Tenures Plan	1:40 000
CF-16-4 (p.8)	Cross Section 2S: Cliff Zone >0.4% Cu shell	As Shown
CF-16-5 (in pocket)	Geology Plan	1:10 000
CF-16-6 (in pocket)	2016 Soil & Rock Sample Locations	1:2 500
CF-16-7 (in pocket)	2016 Soil & Rock Sampling: Cu (ppm)	1:2 500
CF-16-8 (in pocket)	2016 Soil & Rock Sampling: Mo (ppm)	1:2 500
CF-16-9 (in pocket)	2016 Soil & Rock Sampling: Au (ppb)	1:2 500

280000 282000 284000 286000 288000

5464000 5462000 5460000 5458000

N W E S

Trk Trkl Tmd Tfqdp Thbtbx PzMzwc Jmg Ttp Tpd Thbx Tmd

Bawden Bay

Hecate Bay

>1.5% pyrite

IRISHMAN CREEK ZONE

CLIFF ZONE

M.L. 345339

2016 Work Area

PACIFIC OCEAN

0 250 500 1,000 Metres

EXPLANATION

- 2016 Work Area
- Mining Lease Boundary
- Catface Property Boundary
- Strike and dip of bedding
- Resource zones
- >0.1% estimated Cu

Pyrite halo

Certainty

- Approximate
- Inferred
- Concealed
- Adit

Roads

- Good gravel
- ATV access
- Deactivated
- Unknown

Faults

- Mapped
- Approximate
- Inferred

Rock units

- Porphyritic dacite (Tpd)
- Hydrothermal breccia (Thbx)
- Tonalite porphyry (Ttp)
- Fine-grained quartz diorite porphyry (Tfqdp)
- Hecate Bay intrusive breccia (Thbtbx)
- Hecate Bay tonalite (Thbt)
- Medium-grained diorite (Tmd)
- Monzogranite (Jmg)
- Karmutsen Group marble (Trkl)
- Karmutsen Group (Trk)
- Westcoast complex (PzMzwc)

Catface
an Imperial Metals company

CATFACE PROPERTY

Alberni Mining Division

Geology Map

Date: March 2017	Projection: UTM Zone 10 - NAD83	Fig. CF-16-5
Drawn By: KB Riedell/B Eggers	BCGS: 092E030/092F021	
Scale: 1:10,000	NTS: 092F04,05, 92E01,08	

284000

285000

5459000

201636

201428

201418

201623

201426

345339

201417

342307

201622

201607

201401

201424

201645

201600

201425

201400

201402

201416

584343

584345

Pacific Ocean

CF16-04

CF16-05

CF16-06

CF16-03

CF16-07

CF16-01

CF16-02

CF16-08

CF16-09

780936

780937

0 100 200 400 Metres

N

W

E

S

2016 Soil Sample Location

2016 Rock Sample Location

Catface Mineral Tenure

Secondary Road

20m Contour Line

Catface
an Imperial Metals company

CATFACE PROPERTY

Alberni Mining Division

2016 Soil & Rock Sample Locations

Date: March 2017	Projection: UTM Zone 9/10 - NAD83	Fig.
Drawn By: MD	BCGS: 092E030/092F021	CF-16-6
Scale: 1:2,500	NTS: 092F04,05, 92E01,08	

284000

285000

5459000

201636

201428

201418

345339

201623

201426

201417

342307

201623

201607

201416

584343

201401

201424

201645

201600

201425

584345

201400

201402

Pacific Ocean

N

W

E

S

0 100 200 400 Metres

Soil Sampling
Cu (ppm)
- 0 - 200
- 200 - 400
- 400 - 600
- 600 - 800
- > 800

Rock Sampling
Cu (ppm)
- 0 - 200
- 200 - 400
- 400 - 600
- 600 - 800
- > 800

- Catface Mineral Tenure
- Secondary Road
- 20m Contour Line

Catface
an Imperial Metals company

CATFACE PROPERTY
Alberni Mining Division
2016 Soil & Rock Sampling: Cu (ppm)

Date: March 2017	Projection: UTM Zone 9/10 - NAD83	Fig. CF-16-7
Drawn By: MD	BCGS: 092E030/092F021	
Scale: 1:2,500	NTS: 092F04,05, 92E01,08	

284000

285000

5459000

5459000

N

W

E

S

345339

201636

201623

201418

201428

201426

201427

201417

342307

201622

201607

201401

201424

201416

201645

201600

201425

201402

201400

584343

584345

Pacific Ocean

I.S.

0 100 200 400 Metres

Soil Sampling Mo (ppm)	Rock Sampling Mo (ppm)
0 - 25	0 - 25
25 - 50	25 - 50
50 - 75	50 - 75
> 75	> 75

Catface Mineral Tenure

Secondary Road

20m Contour Line

Catface
an Imperial Metals company

CATFACE PROPERTY

Alberni Mining Division

2016 Soil & Rock Sampling: Mo (ppm)

Date: March 2017	Projection: UTM Zone 9/10 - NAD83	Fig. CF-16-8
Drawn By: MD	BCGS: 092E030/092F021	
Scale: 1:2,500	NTS: 092F04,05, 92E01,08	

284000

285000

5459000

5459000

N

W

E

S

201636

201418

201623

201428

201429

201426

201427

345339

201417

201607

201622

342307

201416

201401

201424

201645

201600

201425

201402

201400

584343

584345

Pacific Ocean

0 100 200 400 Metres

Soil Sampling Au (ppb)	Rock Sampling Au (ppb)
0 - 25	0 - 25
25 - 50	25 - 50
50 - 75	50 - 75
> 75	> 75

Catface Mineral Tenure

Secondary Road

20m Contour Line

Catface
an Imperial Metals company

CATFACE PROPERTY

Alberni Mining Division

2016 Soil & Rock Sampling: Au (ppb)

Date: March 2017	Projection: UTM Zone 9/10 - NAD83
Drawn By: MD	BCGS: 092E030/092F021
Scale: 1:2,500	NTS: 092F04,05, 92E01,08

Fig. CF-16-9