

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

Assessment Report
Title Page and Summary

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

TOTAL COST: \$17,614.40

AUTHOR(S): Bill Fischer

SIGNATURE(S): *Bill Fischer*

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

YEAR OF WORK: 2017

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5666050 / September 26, 2017

PROPERTY NAME: PELICAN

CLAIM NAME(S) (on which the work was done): 222171

COMMODITIES SOUGHT: Au, Cu, Pb, Zn

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 104B 214

MINING DIVISION: Liard

NTS/BCGS: 104B/10W / 104B056

LATITUDE: 56 ° 34.4 ' _____ " LONGITUDE: 130 ° 52.5 ' _____ " (at centre of work)

OWNER(S):

1) Imperial Metals Corporation

2) Chris Graf

77.443% interest

22.557% interest

MAILING ADDRESS:

200-580 Hornby Street

6242 Cartwright Street, PO Box 20

Vancouver, BC V6C 3B6

Wardner, BC V0B 2J0

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

1) Imperial Metals Corporation

2) _____

MAILING ADDRESS:

200-580 Hornby Street

Vancouver, BC V6C 3B6

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

Stikina Terrane, Upper Triassic Stuhini Group sediments, banded siltstone, Early Jurassic (195 - 190 Ma) Lehto Plutonic

Suite, granodiorite, quartz monzonite, syenite, feldspar porphyry, Sky Fault System, Bronson Corridor, northwest shears,

quartz-sericite-pyrite alteration, quartz-sulphide veining, pyrite, magnetite, chalcocopyrite, sphalerite, galena, gold, silver

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 16727, 16892, 16931, 19002, 19241, 21365,

35670

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 36 samples / 36 element ICP-ES / MS		222171	\$8,838.61
Silt			
Rock 22 samples / 36 element ICP-ES / MS		222171	\$5,401.38
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying 58 / Bureau Veritas Mineral Labs		222171	\$1,448.61
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		222171	\$1,925.80
TOTAL COST:			\$17,614.40

GEOCHEMICAL ASSESSMENT REPORT

on the

PELICAN PROPERTY

Tenure No. 222171

Liard Mining Division

NTS: 104B/10W

BCGS Map Sheets: 104B056

Latitude: 56° 34.4' N; Longitude 130° 52.5' W

UTM (NAD 83 – Zone 9): 6 271 429 N; 384 804 E

Owners:

Imperial Metals Corporation – 77.443%

Chris Graf – 22.557%

Operator:



Imperial Metals Corporation
200 - 580 Hornby Street
Vancouver, BC Canada V6C 3B6
www.imperialmetals.com

Author: Bill Fischer

December 15, 2017

TABLE OF CONTENTS

Section		Title	Page	
A	Report	Introduction	2	
		Property	2	
		Location and Access	2	
		Climate, Topography and Vegetation	6	
		History	6	
		Regional Geology	7	
		Property Geology	7	
		2017 Geochemical Sampling and Prospecting Program	8	
		Conclusions	9	
		Recommendations	9	
		Statement of Qualifications	11	
		References	12	
		B	Property	Schedule of Mineral Tenures
C	Expenditures	Statement of Expenditures	16	
D	Analytical Reports	Acme Analytical Laboratories Ltd:	18	
		- Certificates of Analysis – 2		
		- Analytical Procedures - 1		
E	Sample Locations	Rock Chip Sample Locations		
		Soil Sample Locations		
F	Illustrations			
		Plan Number	Title	Scale
		PE-17-1 (after p.2)	BC Location Plan	1:8 000 000
		PE-17-2 (after p.2)	General Location Plan	1:260 000
		PE-17-3 (after p.2)	Mineral Tenures Plan	1:40 000
		PE-17-4 (in pocket)	Geology Plan	1:40 000
		PE-17-5 (in pocket)	2017 Geochem Sample Locations	1:5 000
		PE-17-6 (in pocket)	2017 Geochem Sampling: Au (ppb)	1:5 000
		PE-17-7 (in pocket)	2017 Geochem Sampling: Cu (ppm)	1:5 000
		PE-17-8 (in pocket)	2017 Geochem Sampling: Pb (ppm)	1:5 000
		PE-17-9 (in pocket)	2017 Geochem Sampling: Zn (ppm)	1:5 000

SECTION A: REPORT

INTRODUCTION

The Pelican Property is located in the Iskut River area, northwestern British Columbia and is owned jointly by Imperial Metals Corporation of Vancouver, BC and Chris Graf of Wardner, BC. The centre of the Property is approximately 18 km southeast of the Snip mine, 6 km southeast of the Inel deposit, and 29 km southwest of the Eskay mine. It covers an area within the Bronson corridor originally targeted for porphyry copper style mineralization during the 1960's – 1970's and subsequently for high-grade gold mineralization adjacent to the regional Sky fault system. Narrow shears hosting weak base metal and gold mineralization hosted in Upper Triassic Stuhini Group sediments have been identified on the Property at the Pelican, SJ, Ger and Sericite East showings.

Systematic exploration of the property by Lonestar Resources began in 1983 with regional mapping, stream sediment and soil sampling surveys completed as part of a larger claim holding in the Pelican area. This program identified several showings consisting of small sulphide shears or quartz-sulphide veins. Subsequent work completed by Western Canadian Mining and Cathedral Gold Corporation built on these discoveries and identified additional showings until on-ground work was suspended following the 1990 field season.

Geological mapping by the BC Geological Survey has highlighted that the Bronson corridor occupies a similar structural and stratigraphic setting to that of the Kerr-Sulphurets-Mitchell-Brucejack porphyry epithermal camp and that the Sky fault system played a key role in localizing Early Jurassic intrusion and mineralization. Recent exploration drilling results obtained by Colorado Resources Ltd and Snip Gold Corporation have also sparked renewed interest in the area. This report documents the program of rock chip sampling and prospecting undertaken by the Company in August 2017.

PROPERTY:

The Pelican Property is owned jointly by Imperial Metals Corporation as to a 77.443% interest and Chris Graf as to a 22.557% interest, the interests being calculated as of May 31, 2017. Imperial Metals Corporation has been acting as operator for the Property and has increased its stake through funding assessment expenditures.

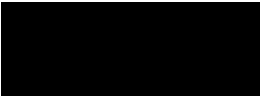
The Property is located 90 km northwest of Stewart, BC (Figure PE-17-1) in the Boundary Ranges and covering a branch of Snippaker Creek, itself a tributary of the Iskut River (Figure PE-17-2). The claim group consists of two mineral tenures, totaling 26 units, covering a gross area of 650.00 ha (Figure PE-17-3).

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 September 26, 2017 as Event #5666050 and assume that the work contained in this report will be accepted for assessment purposes.

LOCATION AND ACCESS:

The Pelican project is located in the Laird Mining Division, 90 km northwest of Stewart, BC and 23 km northeast of the international border in the Iskut River area. Historically access to the Property was by fixed wing aircraft from Terrace (280 km), Smithers (320 km) or Wrangell, Alaska (80 km) to the Bronson, Johnny Mountain or Snippaker gravel airstrips then by helicopter to the claims. The closest of these airstrips is the Snippaker located 6 km east of the claims on Snippaker Creek, although this is no longer maintained. The larger Bronson airstrip lies 18 km to the northwest of the Property.



		
IMPERIAL METALS CORPORATION PELICAN PROPERTY Liard Mining Division		
Pelican Location Map		
Date: December 2017	Figure:	PE-17-1
Scale: As Shown	Drawn By: MD	

380000

400000

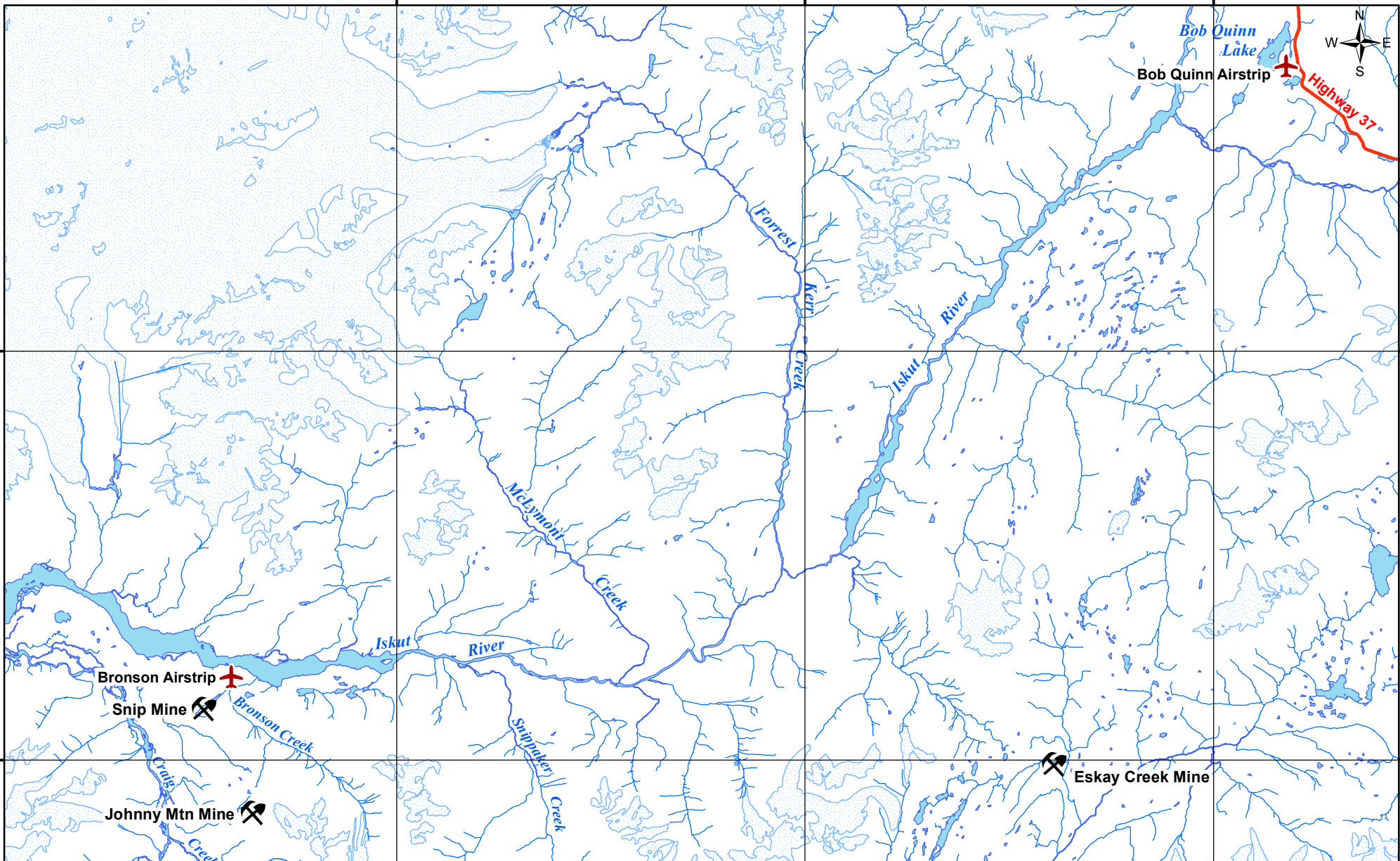
420000

6300000

6280000

6300000

6280000



**PELICAN
PROPERTY**

-  Pelican Claims
-  Airstrip
-  Highway
-  Past/Current Producer
-  Ice



PELICAN PROPERTY
Liard Mining Division
General Location Plan

Date: December 2017	Projection: UTM Zone 9 - NAD83	Fig. PE-17-2
Drawn By: MD	BCGS: 104B.056	
Scale: 1:260,000	NTS: 104B10	



380000

384000

388000



Snippakker
Creek

6272000

6272000

▲ Tami

▲ Sericite East

222171

222174

▲ SJ

▲ Pelican

▲ Ger

6268000

6268000

- ▲ Minfile Occurrence
- ▭ Pelican Tenure
- ▨ Ice
- 100' contour line



PELICAN PROPERTY
Liard Mining Division
Mineral Tenures Plan



Date: December 2017	Projection: UTM Zone 9 - NAD83	Fig. PE-17-3
Drawn By: MD	BCGS: 104B.056	
Scale: 1:40,000	NTS: 104B10	

Access to the area has been greatly improved with the development of the Eskay mine and AltaGas Forrest-Kerr run-of-river project access roads. A 54 km gravel road from Bob Quinn Lake on the Stewart – Cassiar Highway 37 reaches the Iskut River within 14 km of the Pelican Property. Helicopter support remains a requirement for access to the claims given the mountainous terrain and steep glacial valleys present in the area.

The Property is located on NTS map sheet 104B/10W and BCGS map sheet 104B056. The geographic centre of the claims is 56° 34.4' North latitude and 130° 52.5' West longitude while the UTM coordinates are 384 804 E, 6 271 429 N (NAD 83, Zone 09).

CLIMATE, TOPOGRAPHY AND VEGETATION:

The Pelican claims are located within the Boundary Ranges, the northern subdivision of the Coast Mountains. The property covers an area of rugged mountainous terrain incised by steep glacial valleys and receives an average annual precipitation of 3,587 mm with a mean temperature of 9.5 °C in summer and -7.8 °C in winter (UBC, 2015). Much of this precipitation falls as snow covering bedrock exposure and making for a relatively short effective field operating season during the summer months.

Elevation on the Property ranges from a low of 900 m in the valley floor draining into Snippaker Creek in the northeast of the claims, up to 1600 m on the top of Sericite Ridge at the centre of the property. The West Sericite Glacier separates the Ger showing on the far western ridge of the claims from Sericite Ridge and the SJ and Pelican showings further to the east. At the southern edge of the claims the Lake Glacier has retreated slightly since the late 1980's, with the toe edge of the glacier no longer extending onto the Pelican property. Stunted (1-4 m) spruce trees and patchy alder cover the valleys slopes in the lower portion of the Snippaker Creek drainage and much of the area consists of steep scree slopes and bluffs with limited vegetation which is only accessible with mountain climbing gear. Alpine grasses, moss, talus and snow cover limit exposure in higher elevation areas and glacial moraine obscures bedrock outcrop below the Lake Glacier.

HISTORY:

Mineral exploration in the Pelican area, as summarised by D. Gorc (1991), began with the discovery of gold mineralization near Johnny Mountain in 1907. There were several episodes of exploration since then looking for both precious metal and base metal deposits. In the 1960's – 1970's the large gossans present throughout the Bronson corridor and on the Pelican property were explored as porphyry copper targets. During the 1980's exploration for precious metals led to the discovery of the Johnny Mountain, Snip and Brucejack gold deposits.

The Sericite Ridge gossan present on the Pelican property was first explored in 1972 by Great Plains Development. Subsequently Teck Corporation worked the area before Chris Graf – Lonestar Resources, staked the Pelican property as part of the larger group of Gossan claims in 1983. Lonestar completed an extensive regional mapping, stream sediment and soil sampling surveys across the Gossan claims. This program led to the discovery of several showings of sulphide shears or quartz-sulphide veins, including the Pelican showing, on what was at that time a much larger claim group.

Western Canadian Mining signed an option agreement with Mr. Graf in 1985 whereby they could earn a 60% interest in the Gossan claims. They completed geological mapping and soil surveys on portions of the Pelican property.

In August 1988 Cathedral Gold Corporation and two limited partnerships managed by Imperial Metals Corporation signed an agreement with Western Canadian Mining to acquire Western Canadian's 60% interest in the Bronson and Pelican portions of the former Gossan property. Additional prospecting, rock chip sampling, several small soil sampling grids, VLF-electromagnetic and magnetic surveys were completed on the property that year.

An airborne electromagnetic survey was completed by Aerodat in 1989 over the entire Pelican property identifying several conductors and magnetic anomalies for follow up. A field program was carried out by Cathedral Gold on the property in 1990 and a camp established near the centre of the claims by the small lake east of the Pelican showing. This geochemical and geophysical program included soil and rock chip sampling, induced polarization, horizontal loop EM, double dipole IP and magnetic surveys.

No further on-ground work was undertaken until 2015 when Imperial Metals Corporation conducted a limited program of sampling. The field program confirmed the presence of multiple narrow northwest trending shears present in the vicinity of the SJ showing but sampling of these shears confirmed only weak gold mineralization comparable with earlier findings (Gorc, 1991). Several narrow pyritic shears were evident in the area and sampling of these returned only weakly anomalous gold values.

REGIONAL GEOLOGY:

The Bronson corridor is a belt of mineralization located in the northwest of the Stikina terrane (Figure PE-15-4). The area is underlain by rocks of the Upper Triassic –Lower Jurassic Stuhini and Hazelton Groups and intruded by a series of Early Jurassic (195-190 Ma) plutons, stocks and dikes of the Lehto plutonic suite (Kyba & Nelson, 2015). The stratified rocks consist of submarine to sub-aerial fragmental volcanics interlayered with a sequence of argillite, banded siltstone, greywacke, conglomerate and minor limestone. Regionally the sequence has been metamorphosed to greenschist facies and is strongly deformed. The area has a general northwest structural trend which is broken by a series of north to northeast fault structures. Numerous large quartz-sericite-pyrite (QSP) alteration zones and precious metals veins and stockworks are present within the corridor and are spatially associated with the intrusive suite.

The 20 kilometre-long Sky fault system is set of syn-mineral normal faults and reactivated post-mineral reverse faults which bounds the Bronson corridor to the southwest. This fault system played a key role in localizing Early Jurassic intrusion and mineralization along the trend, with zones of highly QSP-altered rocks adjacent to it along the length of the corridor. Cretaceous thrust reactivation was facilitated by the mechanically weak, highly altered clay-sericite-rich rocks (Kyba & Nelson, 2015).

Very coarse, immature lower Hazelton Group conglomerates near the Sky fault zone south of Johnny Mountain are indicative of steep local slopes and clast contributions from a variety of nearby sources. Previously brecciated hypabyssal intrusive clasts in one of the deposits suggests deposition proximal to a penecontemporaneous fault (Kyba & Nelson, 2015).

PROPERTY GEOLOGY:

The Pelican property is underlain by volcanic and sedimentary rocks of the Upper Triassic Stuhini Group intruded by several phases of the Early Jurassic Lehto plutonic suite. Banded siltstones of the Stuhini Group are exposed at higher elevations across the property and the entire area appears to be underlain and intruded by Lehto Suite granodiorite, quartz monzonite, syenite and feldspar porphyry stocks and dikes (Oliver, 2015). Distinctive orthoclase porphyry dikes with large phenocrysts (1 – 3 cm) are present as well as narrow alkali basalt and diorite dikes. Alteration of the volcano-sedimentary sequence consists of variable silicification and sericite alteration with disseminated pyrite occurring throughout the sequence and increased in areas of

more intense alteration. The alteration, disseminated pyrite and also narrow vein mineralization on the property is thought to be related to the underlying Early Jurassic intrusives.

The SJ Zone was identified by Western Canadian in 1987 and soil surveying produced a 400 m x 400 m zone of anomalous gold in soil values above 50 ppb with a peak value of 650 ppb. Subsequent sampling by Cathedral Gold in 1990 to further delineate the gold anomalism identified a 5 m wide northwest trending shear and dipping moderately to the southwest within quartz-sericite-pyrite altered banded siltstone. Talus fines returned up to 3 g/t Au and the narrow shear was thought to be the source of the gold mineralization (Gorc, 1991).

A soil survey in 1987 by Western Canadian at the Sericite East showing outlined an area of gold in soil anomalism associated with strongly sericite and silica altered felsic volcanoclastics and laminated siltstones. Mafic and felsic dikes and quartz veining crosscut all rock types in the area. One sample of intensely altered felsic volcanics, described as sericite-chlorite-schist with disseminated pyrite and chalcopyrite assayed 0.45 g/t Au, 9.9 g/t Ag and 0.83% Cu (Peterson & Butterworth, 1987). The 1989 airborne electromagnetic survey completed by Aerodat identified coincident conductors in the vicinity of the showing and a brief follow up by Cathedral Gold produced a sample of QSP-altered rock assaying 630 ppb Au (Minfile 104B 318).

During 1988 Cathedral Gold completed rock chip sampling, established a small soil sampling grid and completed VLF-electromagnetic and magnetometer surveys at the Pelican showing. Samples of mineralized float material below the Pelican cliff returned up to 2895 ppb Au and the VLF-electromagnetic survey indicated conductors above this float. The following year Aerodat identified airborne electromagnetic conductors coincident with the showing and samples taken in 1990 returned highs of 1.8 g/t Au, 0.42 % Cu, 2.3 % Zn and 30.8 g/t Ag (Gorc, 1991). The Pelican showing consists on magnetite-rich vein mineralization with minor sphalerite hosted in pyritic siltstones exposed in the steep cliffs. Randomly oriented narrow discontinuous quartz-sulphide veining is also present and alteration consists of chlorite calcite with minor epidote, diopside, quartz and pyrite (Minfile 104B 214).

At the far western side of the property, the Ger showing occurs within strongly silicified, pyritic greywacke underlain and intruded by the Lehto Suite intrusives. A narrow 5 – 15 cm wide limonitic quartz vein with 5 – 10 % pyrite mineralization strikes variably north-south and dips moderately to the west. Sampling of this vein in 1990 by Jazzman Resources returned assay values up to 12.21 g/t Au, 12.0 g/t Ag and 131 ppm Cu (Minfile 104B 555).

2017 GEOCHEMICAL SAMPLING PROGRAM:

Logistics

The Pelican 2017 field program was completed in late summer, on August 22nd and 23rd, while the amount of snow cover was at a minimum. A four man crew was mobilized to the AltaGas Forest Kerr camp on the Iskut River. A Bell 206LR helicopter was utilized to access the field area. Work on the property was completed in conjunction with the neighboring Bronson property. The crew accessed the property on days during favorable weather conditions. Skies were typically party-cloudy to cloudy and rain was intermittent and light. Temperatures were relatively cool.

Rock Chip Sampling

Exploration work on the Pelican property consisted of prospecting, rock chip sampling, and soil sampling. The primary goal of this exploration program was to investigate a magnetic anomaly on the property. Prospecting the magnetic anomaly led to the discovery of an outcrop exposure of magnetite-rich volcanic rocks with weak to strong quartz-sericite-pyrite alteration. The outcrop is 60 to 70 m long (North-South)

and 5 to 10 m wide (East-West). Composite rock chip samples were collected from various positions of the outcrop within 4 m intervals along the North-South trend of the outcrop for approximately 70 m.

Soil Sampling

Soil sampling for trace element geochemistry was completed along a one km transect approximately 150 m to the west of the magnetite-rich outcrop. The transect runs parallel to the N-S strike of the Magnetite-rich outcrop. A total of 36 samples were collected. Samples were collected every 25 m. The objective of the soil sampling was to identify any anomalies that may indicate an extension of Au mineralization associated with the magnetite-rich outcrop to the east of the soil line.

Data

Rock Chip Geochemistry

Minor anomalous Au values were documented in the rock chip samples from the magnetite-rich outcrop. Geochemical analysis indicates Au values ranging from 98.8 to 1937.4 ppb. The highest recorded Au value occurs in the southern-most exposure of the outcrop.

Soil Geochemistry

Slightly elevated Au values were documented in the soil samples collected west of the magnetite-rich outcrop. Elevated Au values in soils range from 100 to 368 ppb. Soils adjacent to the outcrop range from 46 to 368.4 ppb Au. Soil samples do not exceed 242 ppb Au south of the outcrop exposure.

CONCLUSIONS:

Rock chip samples from the magnetite-bearing, quartz-sericite-pyrite altered outcrop exhibit slightly elevated Au values. One anomalous composite sample collected from the southern-most exposure of the outcrop contains 1.94 g/t Au. Significant Au at the south-end of the outcrop indicates that similar Au values can possibly continue to the south in the subsurface. Au values are sporadic and never exceed 600 ppb in the rest of the exposed outcrop.

Soil geochemistry identified minor isolated and slightly elevated Au values. Three of the highest Au anomalies occurred adjacent to the magnetite-rich outcrop. Other soil samples adjacent to the outcrop exhibit low Au values between 40 and 82 ppb gold. Based on the erratic nature of Au in the outcrop and soil samples, it is difficult to determine if the quartz-sericite-pyrite altered outcrop continues in the subsurface to the west. Other elevated Au occurrences are sporadic and isolated along the remainder of the transect indicating no new targets for future exploration.

RECOMMENDATIONS:

Rock chip and soil geochemistry data was unable to identify any significant and/or continuous Au anomalies in the magnetite-rich outcrop or the soils adjacent to it. The most intriguing Au values occur at the southern-end of the magnetite outcrop (1.94 g/t Au). Future work on the Pelican property should focus on defining whether or not anomalous Au can be confirmed in the subsurface to the south. East-West trending soil sampling to the south of the outcrop may provide insight as to whether or not Au mineralization continues to the south. However, it is important to understand that soil sampling may not be the best exploration technique at the Pelican property since soils in the region have been significantly affected by recent and frequent alpine glaciation. These events can displace soil profiles over significant distances making it more difficult to determine whether or not a soil anomaly is in response to mineralization at depth or from a

mineralized zone located in an adjacent or distal region. The best method at testing the continuation of elevated Au values would be by analyzing whole-rock samples collected from drilling or trenching. Although these exploration methods are more expensive, they can provide quantitative results that will determine the extent of the Au occurrence.

Respectfully submitted,

A handwritten signature in cursive script that reads "Bill Fischer". The signature is written in black ink and is positioned above the printed name.

Bill Fischer

STATEMENT OF QUALIFICATIONS:

For: Bill Fischer of 235 Guildford Way, Port Moody, British Columbia

I am a Senior Exploration Geologist with the Imperial Metals Corporation with 4 years of experience. Office at 580 Hornby Street, Suite 200 Vancouver, British Columbia V6C 3B6 ext: 653.

I graduated from St. Norbert College, United States of America, with a Bachelor of Science Degree with Honors in Geology in 2012.

I graduated from the University of Nevada, Las Vegas, Nevada, United States of America, with a Master of Science Degree in Geology in 2014. While obtaining my Master Degree, I completed and published my thesis research entitled: Ore Classification and Breccia Formation in the 144 Zone Gold Deposit: A Chemical Replacement Model, Bare Mountain Range, Nevada.

I am currently pursuing my Doctor of Philosophy in Geology at Simon Fraser University, British Columbia.

I am currently in the process of publishing a collaborated scientific paper in a peer-reviewed scientific journal.

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.



Bill Fischer

REFERENCES:

Burton, G. B. (1989): Report on Combined Helicopter-Borne Magnetic, Electromagnetic and VLF Survey, Iskut-Unuk River Area, BC, for Cathedral Gold Corporation by Aerodat Limited, 31 July 1989, Assessment Report #19241

Colorado Resources Ltd. (2015): Public news release “Colorado Announces New Tami Zone Porphyry Discovery At KSP”, 7 October 2015,
http://www.coloradoresources.com/s/NewsReleases.asp?ReportID=725527&_Type=News-Releases&_Title=Colorado-Announces-New-Tami-Zone-Porphyry-Discovery-At-KSP

Eggers, B. (2015): Geochemical Assessment Report on the Pelican Property, Tenure 222171, for Imperial Metals Corporation, November 15, 2015, Assessment Report #35670

Gorc, D. (1990): Bronson and Pelican Properties, 1989 Summary Report for Cathedral Gold Corporation, March 1990.

Gorc, D. (1991): Geological, Geophysical and Geochemical Report on the Pelican Property, Gossan 1-2, 5-7 & 22 – 1990 Exploration Program Report for Cathedral Gold Corporation, 24 May 1991, Assessment Report #21365

Jones, R. M. (1989): Geological and Geochemical Report on the Pelican Property, Gossan 1-9, 22, 25 Claims, for Cathedral Gold Corporation, June 1989, Assessment Report #19002

Kyba, J. and Nelson, J.L. (2015) Stratigraphic and tectonic framework of the Khyber-Sericite-Pins mineralized trend, lower Iskut River, northwest British Columbia. In: Geological Fieldwork 2014, British Columbia Ministry of Energy and Mines, British Columbia Geological Survey Paper 2015-1, pp. 41-58

Minfile 104B 214: Pelican, British Columbia Ministry of Energy and Mines.

Minfile104B 318: Sericite East, British Columbia Ministry of Energy and Mines.

Minfile 104B 555: Ger, British Columbia Ministry of Energy and Mines.

Minfile 104B 556: SJ, British Columbia Ministry of Energy and Mines.

Oliver, J. (2015): Geological mapping for Colorado Resources Ltd., published online at http://www.coloradoresources.com/s/KSP.asp?ReportID=725526&_Type=KSP-Property&_Title=Maps-Sections

Petersen, D. B. (1987): 1987 Report on the Gossan Gold Project, for Western Canadian Mining Corporation, November 1987, Assessment Report #16727

Peterson, B. & Butterworth, B. (1987): Geological and Geochemical Report on the Gossan 1-5, 7, 8, 22 and 25 Claim Group for Western Canadian Mining Corporation, November 12, 1987, Assessment Report #16892

Peterson, B. & Butterworth, B. (1987): Geological and Geochemical Report on the Gossan 6, 9-13 and 21 Claim Group for Western Canadian Mining Corporation, October 14, 1987, Assessment Report #16931

UBC Faculty of Forestry. (2015) http://climatewna.com/climatena_map/, Climate data for Western North America, 1961 – 1990 Average at 1000 m, Faculty of Forestry, University of British Columbia.

SECTION B: PROPERTY

SCHEDULE OF MINERAL TENURES:

The “good to dates” shown are based on the Statement of Exploration and Development Work registered on September 26, 2017 as Event #5666050 and assume that the work contained in this report will be accepted for assessment purposes.

BRONSON-PELICAN PROPERTY: MINERAL TENURES						Date:	Dec 15 2017
OWNER:	Imperial Metals Corporation	77.443%	(May 31 2017)	Client No.	144344	Tenures:	8
	Chris Graf	22.557%	(May 31 2017)	Client No.	110139	Cells/Units:	102
ROYALTY:	Western Canadian Mining Corporation	5% NPI				Area (ha):	2,550.00
MINING DIVISION: Liard		LAND DISTRICT: Cassiar			LAND TITLE DISTRICT: Prince Rupert		
LOCATION:	Bronson	100 km NW of Stewart BC					
MAP NO.	NTS:	104B/10W, 11E	GEOGRAPHIC COORDINATES:		56° 37.5' N;	131° 00.0' W	
	BCGS:	104B065, 066	UTM COORDINATES (NAD 83, ZONE 09):		6 277 433 N	377 295 E	
LOCATION:	Pelican	90 km NW of Stewart BC					
MAP NO.	NTS:	104B/10W	GEOGRAPHIC COORDINATES:		56° 34.4' N;	130° 52.5' W	
	BCGS:	104B056	UTM COORDINATES (NAD 83, ZONE 09):		6 271 429 N	384 804 E	

MAP REFERENCE:	
1:250 000	104B
1:50 000	104B/10; 104B/11
1:20 000	104B056; 104B065; 104B066

TENURE RECORDS:										
Tenure No.	Tenure Type	Claim Name	Map No.	Record Date	Good To Date	Work Year	Cells	Area (ha)	Work Factor	Work**
Bronson:										
222179	Mineral	Gossan 14	104B066	1982/aug/24	2018/oct/15	7	18	450.00	\$20.00	\$9,000.00
222180	Mineral	Gossan 15	104B066	1982/aug/24	2018/oct/15	7	12	300.00	\$20.00	\$6,000.00
222181	Mineral	Gossan 16	104B065	1982/aug/24	2018/oct/15	7	10	250.00	\$20.00	\$5,000.00
222182	Mineral	Gossan 17	104B065, 066	1982/aug/24	2018/oct/15	7	20	500.00	\$20.00	\$10,000.00
222312	Mineral	Gossan 23	104B065, 066	1983/jun/30	2018/oct/15	7	12	300.00	\$20.00	\$6,000.00
222783	Mineral	Gossan 30	104B066	1987/aug/14	2018/oct/15	7	4	100.00	\$20.00	\$2,000.00
Subtotal:	6						76	1,900.00		\$38,000.00
Pelican:										
222171	Mineral	Gossan 6	104B056	1982/aug/24	2020/feb/01	8	20	500.00	\$20.00	\$10,000.00
222174	Mineral	Gossan 9	104B056	1982/aug/24	2020/feb/01	8	6	150.00	\$20.00	\$3,000.00
Subtotal:	2						26	650.00		\$13,000.00
TOTAL	8						102	2,550.00		\$51,000.00

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

The "good to" dates shown for the highlighted tenures are based on the Statement of Exploration and Development Work registered on Mineral Titles Online on September 26, 2017 as Event #5666050 and assume that the work contained in this report will be accepted for assessment purposes.

SECTION C: EXPENDITURES

PELICAN 2017 GEOCHEMICAL SAMPLING AND PROSPECTING PROGRAM

IMPERIAL METALS CORPORATION

PELICAN PROJECT

Statement of Expenditures: 2017 Geochemical Sampling Program

Dec 15 2017

Item / Contractor	Work	Period	Quantity	Unit	Rate	Amount
Personnel:						
Jim Miller-Tait, P.Geo.	Exploration Manager, general supervision	August 22-28, 2017	1	days	\$550.00	\$550.00
Ben Eggers, P.Geo.	Geologist	June 7, August 9, 22-29, 2017	5	days	\$500.00	\$2,500.00
Toby Orrick	Geologist in Training	August 22-28, 2017	3	days	\$250.00	\$750.00
Bill Fischer	Geologist	August 22-28, 2017	3	days	\$400.00	\$1,200.00
Craig Ellis (Alpine Specialists Ltd.)	Mountain Safety Guide / Field Assistant	August 22-28, 2017	3	days	\$433.33	\$1,300.00
Subtotal						\$6,300.00
Accommodation & Meals:						
AltaGas Forrest Kerr Camp	Crew Accommodation and Meals	August 22-28, 2017	12	person days	\$280.80	\$3,369.60
Meals- Travel Days			4	person days	\$22.10	\$88.40
Subtotal						\$3,369.60
Transportation (Air):						
Silver King Helicopters (AS-350 B2)	Helicopter transport from Forest Kerr to property	August 24 & 25, 2017	1.4	hours	\$1,935.22	\$2,709.31
Corporate Traveller Lions Gate	Commercial air transport for B.Eggers, T. Orrick, B. Fischer and C. Ellis	August 22 & 28, 2017				\$1,009.88
Subtotal						\$3,719.19
Transportation (Ground)						
NorthWest Truck Rental: F-350	Smithers - Forrest Kerr Camp	August 22-24, 2017	549	km		\$424.53
F-350 - Fuel	Smithers - Forrest Kerr Camp	August 22-24, 2017	549	km		\$163.34
Craig Ellis - Pickup	Revelstoke to Kelowna Airport	August 22 & 28, 2017 -50%	220	km	\$0.40	\$44.00
Craig Ellis - Fuel	Revelstoke to Kelowna Airport	August 22 & 28, 2017 -50%	220	km		\$44.24
Subtotal						\$676.11
Assaying:						
Bureau Veritas Mineral Laboratories	B Soil Samples: AQ201 analytical code		36	samples	\$23.25	\$837.00
Bureau Veritas Mineral Laboratories	Rock Samples: AQ201 analytical code		22	samples	\$27.80	\$611.61
Subtotal			58			\$1,448.61
Freight:						
Bandstra Transport Ltd.	Freight Samples Smithers to Vancouver	August 28, 2017	1	skid	\$45.09	\$45.09
Subtotal						\$45.09
Field Supplies:						
Deakin Equipment Ltd.	Sampling & engineering supplies		1	units	\$50.00	\$50.00
Blackbird Geoscience Ltd	2-Way Radio rental x 2		2	days	\$10.00	\$20.00
Globalstar	Satellite Phone rental		1	mo	\$60.00	\$60.00
Subtotal						\$130.00

Drafting:						
Melissa Darney	GIS work: drafting of report maps	Dec 2017	1	days	\$300.00	\$300.00
Subtotal						\$300.00
Report Preparation:						
Ben Eggers, P.Geo.	Data compilation	Oct 16 2017	1	days	\$500.00	\$500.00
Bill Fischer	Data compilation, report preparation	Dec 1-15, 2017	2	days	\$400.00	\$800.00
Erik Andersen	Data preparation, report editing	Dec 2017	6	hours	\$54.30	\$325.80
Subtotal						\$1,625.80
Total	Work Performed on Tenures: 222171					\$17,614.40
					Maximum PAC Factor	1.4285
					Maximum Assessment Allowance	\$25,162.16

SECTION D: ANALYTICAL REPORTS

1. Analyses carried out by Bureau Veritas Mineral Laboratories Ltd. of Vancouver, B.C.

File Number	Date of Certificate	No. of Samples	Sample Type	Analytical Procedure
Mineral Analysis:				
VAN17001915.1	Oct 14 2017	22	Rock	AQ201
VAN17001916.1	Sep 18 2017	36	Soils	AQ201
Total		58		

2. Statement of Analytical Procedures: 1 data sheet
 - Bureau Veritas Mineral Laboratories AQ300, AQ200; Multi-Element (36) 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 British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Imperial Metals Corporation**
200 - 580 Hornby St.
Vancouver British Columbia V6C 3B6 Canada

Submitted By: Erik Andersen
Receiving Lab: Canada-Vancouver
Received: August 31, 2017
Report Date: October 14, 2017
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN17001915.1

CLIENT JOB INFORMATION

Project: PELICAN
Shipment ID: PE2017-01
P.O. Number
Number of Samples: 22

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 60 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.

Invoice To: Imperial Metals Corporation
200 - 580 Hornby St.
Vancouver British Columbia V6C 3B6
Canada

CC: Jim Miller-Tait

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	22	Crush, split and pulverize 250 g rock to 200 mesh			VAN
AQ201	22	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
DRPLP	22	Warehouse handling / disposition of pulps			VAN
DRRJT	22	Warehouse handling / Disposition of reject			VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. 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 Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Imperial Metals Corporation**
200 - 580 Hornby St.
Vancouver British Columbia V6C 3B6 Canada

Project: PELICAN
Report Date: October 14, 2017

Page: 2 of 2

Part: 1 of 2

CERTIFICATE OF ANALYSIS

VAN17001915.1

Method	Analyte	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit	MDL	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		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
780633	Rock	0.76	129.6	58.7	45.0	311	2.2	0.9	3.5	2662	3.67	2.2	213.9	3.7	131	0.2	0.1	0.5	53	0.11	0.109
780634	Rock	0.74	88.4	71.1	66.0	237	2.0	1.0	3.2	1661	3.66	3.2	98.8	3.9	148	0.2	0.2	0.5	50	0.14	0.135
780635	Rock	1.29	24.3	234.2	65.5	160	0.8	1.1	1.9	986	7.06	11.0	137.7	4.4	230	0.1	0.3	1.3	57	0.04	0.229
780636	Rock	1.81	19.7	293.4	71.2	87	1.3	0.9	6.7	675	10.07	2.9	280.6	4.4	148	0.1	0.2	0.6	65	0.12	0.146
780637	Rock	1.28	17.0	184.5	52.0	44	1.3	0.8	3.0	474	7.93	3.8	419.0	4.5	119	0.1	0.2	0.4	54	0.14	0.155
780638	Rock	1.31	20.7	148.8	39.9	239	1.9	1.3	3.8	1663	6.03	3.6	483.5	3.7	146	0.1	0.2	0.7	78	0.13	0.130
780639	Rock	1.91	12.1	223.4	49.0	200	1.8	1.0	3.2	1430	6.39	4.6	594.6	4.7	76	0.1	0.2	0.7	69	0.07	0.135
780640	Rock	0.78	11.4	150.3	30.6	220	1.4	1.1	4.4	1397	4.07	4.7	187.2	3.9	31	<0.1	0.2	0.5	42	0.12	0.143
780641	Rock	0.87	6.6	71.3	31.3	164	0.8	1.3	8.0	935	5.02	2.9	537.4	5.4	36	<0.1	0.1	0.3	64	0.23	0.166
780642	Rock	1.60	12.8	199.3	36.7	91	0.9	0.7	1.6	600	6.05	4.0	512.9	4.3	44	<0.1	0.3	0.9	63	0.04	0.155
780643	Rock	2.23	12.2	160.8	32.1	121	0.5	0.9	3.2	720	6.64	4.1	311.4	4.2	48	<0.1	0.2	0.7	82	0.06	0.173
780644	Rock	0.87	10.8	115.7	29.3	185	0.5	1.4	7.4	1178	6.51	3.4	435.8	4.2	86	0.1	0.2	0.2	76	0.14	0.155
780645	Rock	0.64	11.3	96.0	86.0	138	0.7	1.1	3.2	943	4.50	2.6	323.2	4.8	141	<0.1	0.2	1.3	50	0.12	0.152
780646	Rock	1.48	13.5	108.2	35.2	105	0.6	0.7	0.7	713	4.31	4.7	187.2	5.5	102	0.1	0.2	0.9	50	0.06	0.160
780647	Rock	0.76	15.1	91.9	69.6	111	1.5	0.8	1.9	748	3.96	2.8	197.2	5.9	128	<0.1	0.2	1.0	43	0.12	0.155
780648	Rock	1.46	51.0	161.6	59.8	46	0.5	0.4	0.3	262	5.80	2.7	246.6	6.8	173	<0.1	0.3	1.4	60	0.02	0.171
780649	Rock	1.00	39.8	236.4	50.0	39	0.7	0.4	0.3	210	6.93	1.5	1937.4	4.5	45	<0.1	0.2	2.6	30	0.02	0.074
780650	Rock	1.42	2.4	44.0	29.3	259	0.4	1.5	1.8	1886	3.68	4.0	46.2	5.0	105	0.5	0.2	0.8	61	0.39	0.176
780775	Rock	0.95	1.9	23.5	10.0	194	0.1	1.5	3.3	1608	3.65	1.7	7.1	4.0	102	0.2	0.3	0.2	48	0.39	0.147
780776	Rock	0.63	1.4	7.2	112.5	76	0.5	0.2	0.6	50	2.02	0.8	5.1	1.6	157	0.5	1.1	2.9	6	0.02	0.112
780777	Rock	0.77	0.4	4.1	14.5	81	0.1	0.4	1.1	766	2.02	11.6	<0.5	1.4	55	<0.1	0.9	1.6	16	0.03	0.156
780778	Rock	0.68	0.9	3.0	2.9	1	<0.1	0.3	<0.1	14	0.77	4.5	0.6	2.8	50	<0.1	0.1	0.2	3	0.02	0.233



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Imperial Metals Corporation
200 - 580 Hornby St.
Vancouver British Columbia V6C 3B6 Canada

Project: PELICAN
Report Date: October 14, 2017

Page: 2 of 2

Part: 2 of 2

CERTIFICATE OF ANALYSIS

VAN17001915.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		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	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
780633	Rock	9	1	1.85	108	0.076	<1	2.44	0.050	0.27	2.2	0.02	3.0	0.1	<0.05	7	0.8	<0.2
780634	Rock	9	2	1.26	139	0.098	<1	1.93	0.031	0.28	1.9	0.04	2.6	0.2	<0.05	7	<0.5	<0.2
780635	Rock	14	2	0.80	168	0.127	<1	1.56	0.026	0.20	0.4	0.02	3.1	0.1	0.06	6	4.3	0.3
780636	Rock	15	2	0.31	112	0.116	<1	1.15	0.030	0.18	0.7	0.03	2.8	<0.1	<0.05	5	2.0	<0.2
780637	Rock	11	2	0.11	113	0.133	<1	0.84	0.022	0.25	0.6	0.03	1.9	0.1	<0.05	3	1.8	<0.2
780638	Rock	10	2	1.24	128	0.140	<1	1.94	0.035	0.20	0.4	0.01	4.0	0.1	0.05	7	2.4	<0.2
780639	Rock	10	1	1.10	139	0.142	<1	1.84	0.019	0.24	0.3	0.01	2.7	0.1	<0.05	6	1.7	<0.2
780640	Rock	7	2	1.17	168	0.080	<1	1.88	0.013	0.26	0.4	<0.01	2.2	0.1	<0.05	6	1.1	<0.2
780641	Rock	8	2	0.75	94	0.083	<1	1.28	0.049	0.20	0.4	0.01	2.9	0.1	<0.05	5	<0.5	<0.2
780642	Rock	8	2	0.43	284	0.130	<1	1.06	0.018	0.28	0.3	<0.01	2.0	0.2	0.06	3	3.4	<0.2
780643	Rock	7	2	0.58	131	0.139	<1	1.31	0.020	0.27	0.4	<0.01	3.2	0.2	0.06	4	2.8	0.2
780644	Rock	8	2	0.86	119	0.129	<1	1.49	0.030	0.23	0.3	<0.01	4.4	0.1	<0.05	5	1.7	<0.2
780645	Rock	10	2	0.67	150	0.129	<1	1.35	0.024	0.26	0.4	<0.01	2.6	0.2	<0.05	4	2.2	0.2
780646	Rock	9	2	0.57	157	0.147	<1	1.19	0.031	0.32	0.4	<0.01	2.9	0.2	0.07	4	3.9	<0.2
780647	Rock	10	2	0.56	193	0.114	<1	1.16	0.024	0.31	0.3	0.02	2.3	0.2	0.06	4	3.9	0.2
780648	Rock	12	2	0.23	186	0.117	<1	0.87	0.015	0.33	0.2	<0.01	1.7	0.3	0.05	3	6.4	0.5
780649	Rock	4	1	0.16	117	0.073	<1	0.70	0.009	0.31	<0.1	0.01	1.4	0.2	<0.05	2	7.6	2.1
780650	Rock	11	2	1.02	198	0.074	<1	1.77	0.059	0.25	0.2	0.06	3.3	0.1	0.10	6	0.9	0.3
780775	Rock	12	2	0.91	163	0.075	<1	1.73	0.039	0.31	0.7	0.02	2.9	0.1	<0.05	5	<0.5	<0.2
780776	Rock	<1	<1	0.10	156	0.001	<1	0.38	0.015	0.17	<0.1	0.43	0.5	0.3	0.47	<1	16.3	0.6
780777	Rock	5	2	1.54	79	0.003	<1	1.38	0.040	0.17	<0.1	<0.01	1.0	0.2	0.66	4	1.7	0.5
780778	Rock	2	1	<0.01	35	0.001	<1	0.30	0.017	0.18	<0.1	<0.01	1.4	0.1	0.06	<1	2.8	0.3



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

Client: Imperial Metals Corporation
200 - 580 Hornby St.
Vancouver British Columbia V6C 3B6 Canada

Project: PELICAN
Report Date: October 14, 2017

Page: 1 of 1

Part: 1 of 2

QUALITY CONTROL REPORT

VAN17001915.1

Method	WGHT	AQ201	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	
Pulp Duplicates																					
780649	Rock	1.00	39.8	236.4	50.0	39	0.7	0.4	0.3	210	6.93	1.5	1937.4	4.5	45	<0.1	0.2	2.6	30	0.02	0.074
REP 780649	QC		37.5	229.3	49.0	39	0.7	0.4	0.3	207	6.78	1.0	1825.0	4.4	43	0.1	0.2	2.6	30	0.02	0.072
Reference Materials																					
STD DS11	Standard		14.3	147.9	130.9	353	1.8	77.9	13.6	1065	3.27	46.9	78.4	7.3	69	2.8	8.7	12.1	50	1.09	0.077
STD OXC129	Standard		1.2	26.4	6.0	42	<0.1	75.8	20.0	431	3.18	<0.5	193.4	1.8	202	<0.1	<0.1	<0.1	52	0.68	0.107
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
STD DS11 Expected			14.6	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701
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	2.1	1.0	37	<0.1	1.1	3.7	586	1.76	1.7	<0.5	1.7	27	<0.1	<0.1	<0.1	18	0.67	0.037
ROCK-VAN	Prep Blank		0.9	2.0	1.6	36	<0.1	0.8	3.3	600	1.64	1.5	<0.5	1.6	33	<0.1	<0.1	<0.1	16	0.83	0.038



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

Client: Imperial Metals Corporation
200 - 580 Hornby St.
Vancouver British Columbia V6C 3B6 Canada

Project: PELICAN
Report Date: October 14, 2017

Page: 1 of 1

Part: 2 of 2

QUALITY CONTROL REPORT

VAN17001915.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
		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	0.05	1	0.5	0.2	
Pulp Duplicates																		
780649	Rock	4	1	0.16	117	0.073	<1	0.70	0.009	0.31	<0.1	0.01	1.4	0.2	<0.05	2	7.6	2.1
REP 780649	QC	4	1	0.16	110	0.068	<1	0.71	0.007	0.31	<0.1	<0.01	1.3	0.2	<0.05	2	6.7	2.3
Reference Materials																		
STD DS11	Standard	18	59	0.85	394	0.088	7	1.17	0.073	0.41	3.2	0.28	3.4	5.3	0.28	5	2.6	5.1
STD OXC129	Standard	12	51	1.52	52	0.400	<1	1.61	0.599	0.38	<0.1	<0.01	1.0	<0.1	<0.05	6	<0.5	<0.2
STD OXC129 Expected		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
STD DS11 Expected		18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.3	3.4	4.9	0.2835	5.1	1.9	4.56
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	6	3	0.50	40	0.059	2	1.17	0.120	0.11	0.1	<0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
ROCK-VAN	Prep Blank	5	2	0.48	48	0.059	2	1.13	0.079	0.09	0.1	<0.01	3.1	<0.1	0.10	4	<0.5	<0.2



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

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

Client: Imperial Metals Corporation
200 - 580 Hornby St.
Vancouver British Columbia V6C 3B6 Canada

Submitted By: Erik Andersen
Receiving Lab: Canada-Vancouver
Received: August 31, 2017
Report Date: September 18, 2017
Page: 1 of 3

CERTIFICATE OF ANALYSIS

VAN17001916.1

CLIENT JOB INFORMATION

Project: PELICAN
Shipment ID: PE2017-01
P.O. Number
Number of Samples: 36

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.

Invoice To: Imperial Metals Corporation
200 - 580 Hornby St.
Vancouver British Columbia V6C 3B6
Canada

CC: Jim Miller-Tait

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	36	Dry at 60C			VAN
SS80	36	Dry at 60C sieve 100g to -80 mesh			VAN
AQ201	36	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
DRPLP	36	Warehouse handling / disposition of pulps			VAN

ADDITIONAL COMMENTS


JEFFREY CANNON
Geochemistry Department Supervisor

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 Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Imperial Metals Corporation
200 - 580 Hornby St.
Vancouver British Columbia V6C 3B6 Canada

Project: PELICAN
Report Date: September 18, 2017

Page: 2 of 3

Part: 1 of 2

CERTIFICATE OF ANALYSIS

VAN17001916.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
PES1701	Soil	14.0	21.6	22.7	74	0.4	4.8	6.3	919	7.50	12.7	25.9	6.5	9	<0.1	0.6	0.7	35	0.03	0.050	27
PES1702	Soil	11.1	32.9	33.8	65	1.2	4.2	2.3	318	5.02	12.2	368.4	4.3	33	<0.1	0.6	1.0	40	0.06	0.093	23
PES1703	Soil	13.9	73.0	68.1	84	2.0	4.0	3.1	531	5.73	18.9	305.1	3.7	101	<0.1	0.8	2.1	35	0.05	0.187	17
PES1704	Soil	9.1	51.6	51.8	94	0.6	6.7	5.1	925	5.33	16.6	158.7	4.7	87	<0.1	0.8	1.7	42	0.11	0.138	26
PES1705	Soil	10.1	32.2	20.9	77	0.4	3.4	2.1	381	5.07	13.8	39.6	14.0	8	<0.1	1.0	0.7	12	0.05	0.052	26
PES1706	Soil	6.1	34.5	19.8	68	1.1	2.7	2.5	604	4.81	8.5	46.0	4.6	13	<0.1	0.4	0.6	35	0.04	0.050	28
PES1707	Soil	7.7	198.0	24.3	42	1.4	2.9	2.2	471	5.42	8.2	81.9	0.9	23	<0.1	0.4	0.9	43	0.03	0.098	17
PES1708	Soil	7.2	119.1	30.2	64	1.2	1.6	0.8	242	4.85	10.7	131.7	5.7	41	<0.1	0.6	0.8	22	0.04	0.076	20
PES1709	Soil	3.8	47.5	197.1	69	0.8	0.9	0.4	275	3.98	10.0	105.4	2.5	97	<0.1	0.8	5.3	18	0.02	0.124	9
PES1710	Soil	4.3	33.9	47.5	83	1.0	1.7	0.6	445	3.16	13.7	90.7	2.3	150	<0.1	0.6	1.2	24	0.04	0.160	12
PES1711	Soil	3.7	52.3	55.7	74	0.8	5.7	2.8	640	4.18	20.8	119.1	3.9	115	<0.1	0.8	1.5	41	0.09	0.139	14
PES1712	Soil	3.1	47.7	94.8	82	0.9	5.7	4.7	527	4.81	14.3	102.1	2.6	169	<0.1	0.7	1.8	43	0.20	0.182	10
PES1713	Soil	5.3	31.9	29.7	47	0.7	4.6	4.9	574	4.69	9.7	35.4	2.5	37	0.2	0.5	0.9	39	0.09	0.070	16
PES1714	Soil	3.7	51.3	47.5	79	0.9	6.4	3.0	632	4.51	20.3	69.7	3.5	101	<0.1	0.9	1.5	42	0.12	0.158	13
PES1715	Soil	3.5	56.7	52.6	89	1.4	3.0	2.0	551	4.72	21.3	50.5	3.8	130	<0.1	1.0	1.6	29	0.06	0.205	15
PES1716	Soil	2.6	17.4	48.3	28	0.5	2.0	1.0	166	3.16	10.2	50.8	0.3	66	<0.1	0.4	1.2	39	0.07	0.048	12
PES1717	Soil	6.9	53.5	51.0	79	0.9	7.1	12.6	1189	5.08	21.2	104.9	4.8	76	<0.1	1.0	1.4	41	0.09	0.156	25
PES1718	Soil	9.0	82.4	79.0	81	2.1	7.6	13.6	1309	7.79	35.0	213.8	4.6	82	<0.1	1.4	2.2	61	0.06	0.203	16
PES1719	Soil	5.0	60.4	54.3	76	1.0	7.2	4.6	567	4.14	17.0	75.3	3.5	91	<0.1	0.7	1.5	44	0.08	0.141	17
PES1720	Soil	4.2	52.1	74.3	122	1.2	8.4	3.9	901	4.73	23.1	57.2	3.6	130	0.1	1.0	1.6	46	0.11	0.147	31
PES1721	Soil	8.2	32.0	54.1	69	0.9	5.6	3.6	420	5.04	12.3	51.3	5.8	63	<0.1	0.7	1.0	41	0.12	0.096	28
PES1722	Soil	10.9	22.8	20.1	60	0.5	1.7	3.1	737	6.51	13.1	20.5	12.8	4	<0.1	0.9	0.6	11	0.04	0.046	28
PES1723	Soil	8.2	12.8	20.1	67	1.0	1.5	2.1	826	4.98	11.4	10.5	11.5	5	<0.1	0.8	0.5	12	0.04	0.049	29
PES1724	Soil	7.5	22.5	83.4	62	0.8	4.2	2.1	344	3.55	9.6	55.8	3.2	97	<0.1	0.6	1.4	37	0.07	0.079	24
PES1725	Soil	9.1	42.5	57.3	135	0.5	6.6	4.3	1007	3.77	15.9	125.8	3.9	145	<0.1	0.8	1.4	44	0.10	0.091	50
PES1726	Soil	7.7	48.4	21.3	51	0.4	3.0	1.3	284	6.63	10.6	31.7	5.0	15	<0.1	0.5	0.6	28	0.04	0.065	33
PES1727	Soil	11.8	72.9	16.1	59	2.3	1.2	1.6	377	7.32	13.1	9.2	15.5	5	<0.1	0.9	0.5	12	0.05	0.034	28
PES1728	Soil	5.8	93.4	206.4	99	4.3	6.3	7.6	911	4.70	15.8	241.8	3.7	473	<0.1	1.3	1.9	39	0.08	0.130	28
PES1729	Soil	10.5	89.3	28.1	67	9.4	6.5	2.8	378	7.27	13.4	42.0	4.8	42	<0.1	1.0	0.9	53	0.06	0.113	27
PES1730	Soil	6.6	591.0	30.7	56	0.3	2.0	2.4	266	29.01	13.1	48.2	5.7	16	<0.1	0.8	0.8	51	0.02	0.180	9



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Imperial Metals Corporation
200 - 580 Hornby St.
Vancouver British Columbia V6C 3B6 Canada

Project: PELICAN
Report Date: September 18, 2017

Page: 2 of 3

Part: 2 of 2

CERTIFICATE OF ANALYSIS

VAN17001916.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2		
PES1701	Soil	21	0.16	22	0.171	3	2.46	0.038	0.08	0.4	0.14	2.5	0.1	0.06	33	2.0	<0.2	
PES1702	Soil	13	0.27	63	0.169	2	2.80	0.038	0.07	0.5	0.05	2.2	0.1	0.05	20	1.5	0.2	
PES1703	Soil	11	0.56	507	0.103	1	1.62	0.012	0.12	0.3	0.06	2.0	0.1	0.21	4	6.5	1.1	
PES1704	Soil	12	0.61	313	0.144	2	1.88	0.037	0.11	0.4	0.04	2.1	0.2	0.11	8	3.6	0.8	
PES1705	Soil	6	0.11	53	0.130	2	4.11	0.083	0.08	1.1	0.03	1.8	<0.1	<0.05	23	1.3	<0.2	
PES1706	Soil	16	0.10	57	0.180	1	3.73	0.036	0.06	0.3	0.09	3.2	0.1	0.06	25	1.2	<0.2	
PES1707	Soil	14	0.17	181	0.128	2	2.81	0.010	0.04	0.3	0.13	1.4	0.1	0.09	19	2.2	0.3	
PES1708	Soil	8	0.13	128	0.106	1	2.86	0.038	0.07	0.4	0.08	1.7	<0.1	0.12	18	2.7	0.4	
PES1709	Soil	4	0.38	256	0.018	<1	0.61	0.010	0.12	0.1	0.04	1.4	0.1	0.18	3	5.3	1.1	
PES1710	Soil	5	0.55	289	0.029	<1	0.86	0.014	0.13	0.1	0.03	1.9	0.1	0.13	3	4.4	1.0	
PES1711	Soil	15	0.66	397	0.149	<1	1.36	0.013	0.15	0.3	0.02	4.7	0.1	0.15	5	3.2	1.2	
PES1712	Soil	12	0.73	370	0.135	<1	0.98	0.071	0.14	0.2	0.04	2.9	<0.1	0.16	4	4.0	1.2	
PES1713	Soil	13	0.23	89	0.154	1	2.27	0.024	0.07	0.3	0.08	1.9	0.2	0.07	18	1.5	0.3	
PES1714	Soil	14	0.67	446	0.146	<1	1.38	0.018	0.20	0.4	0.01	3.0	0.1	0.20	5	3.0	1.2	
PES1715	Soil	8	0.55	407	0.087	<1	1.01	0.018	0.13	0.2	0.03	2.3	<0.1	0.21	3	3.4	1.9	
PES1716	Soil	13	0.20	89	0.060	<1	1.77	0.004	0.04	<0.1	0.05	1.4	0.2	<0.05	6	1.3	0.5	
PES1717	Soil	14	0.61	341	0.158	1	1.87	0.032	0.18	0.6	0.03	3.0	0.2	0.16	8	3.5	0.9	
PES1718	Soil	18	0.66	354	0.224	<1	2.06	0.033	0.21	1.2	0.05	3.1	0.2	0.38	8	6.9	1.5	
PES1719	Soil	14	0.65	363	0.165	2	1.73	0.020	0.18	0.4	0.02	3.0	0.1	0.12	6	2.9	0.8	
PES1720	Soil	17	1.03	586	0.136	<1	2.10	0.016	0.22	0.6	0.02	2.4	0.1	0.28	5	2.6	1.2	
PES1721	Soil	15	0.45	107	0.193	<1	2.81	0.057	0.09	0.4	0.06	2.7	0.1	0.10	19	3.8	0.4	
PES1722	Soil	11	0.07	14	0.142	<1	3.12	0.064	0.08	1.0	0.13	3.0	<0.1	0.07	33	4.5	<0.2	
PES1723	Soil	7	0.06	17	0.118	<1	4.77	0.062	0.08	0.6	0.10	2.0	0.1	0.07	24	1.6	<0.2	
PES1724	Soil	13	0.45	65	0.145	<1	2.15	0.018	0.05	0.3	0.02	2.0	0.1	0.05	12	2.1	0.4	
PES1725	Soil	12	0.98	429	0.108	<1	2.06	0.008	0.14	0.4	0.03	2.3	0.2	0.12	5	3.6	1.0	
PES1726	Soil	15	0.14	26	0.139	<1	3.82	0.034	0.06	0.5	0.09	2.6	0.1	0.08	30	4.0	<0.2	
PES1727	Soil	8	0.06	23	0.154	<1	2.70	0.061	0.08	1.3	0.06	2.4	<0.1	<0.05	36	6.6	<0.2	
PES1728	Soil	16	0.71	268	0.084	<1	2.84	0.015	0.09	0.4	0.13	3.0	0.1	0.10	10	4.3	1.0	
PES1729	Soil	21	0.42	77	0.184	<1	2.61	0.018	0.07	0.5	0.10	3.7	0.2	0.06	26	7.4	0.5	
PES1730	Soil	12	0.13	47	0.155	<1	0.80	0.005	0.05	0.5	0.02	3.5	0.1	0.17	12	4.2	0.6	



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Imperial Metals Corporation
200 - 580 Hornby St.
Vancouver British Columbia V6C 3B6 Canada

Project: PELICAN
Report Date: September 18, 2017

Page: 3 of 3

Part: 1 of 2

CERTIFICATE OF ANALYSIS

VAN17001916.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		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
PES1731	Soil	3.9	120.3	43.4	92	1.1	8.4	5.5	900	4.96	20.2	79.2	3.3	102	0.1	1.0	1.3	60	0.10	0.151	15
PES1732	Soil	0.9	1695.1	5.5	35	<0.1	0.7	0.7	34	>40	1.5	1.7	0.3	4	<0.1	0.3	<0.1	13	0.02	0.067	<1
PES1733	Soil	4.9	45.3	35.1	59	0.9	5.7	2.4	431	4.13	11.8	36.1	2.3	45	<0.1	0.6	1.0	40	0.07	0.085	18
PES1734	Soil	2.7	54.2	31.9	72	0.6	8.4	3.9	739	5.18	19.4	41.7	1.8	90	<0.1	0.9	1.3	67	0.13	0.107	11
PES1735	Soil	4.2	78.5	42.0	102	0.7	8.7	6.2	903	5.43	21.0	54.8	3.1	84	<0.1	0.8	1.7	51	0.10	0.173	14
PES1736	Soil	6.9	22.8	22.7	55	1.2	3.5	2.2	423	5.06	11.8	8.3	3.6	24	0.1	0.7	0.6	24	0.05	0.083	29



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Imperial Metals Corporation**
200 - 580 Hornby St.
Vancouver British Columbia V6C 3B6 Canada

Project: PELICAN
Report Date: September 18, 2017

Page: 3 of 3

Part: 2 of 2

CERTIFICATE OF ANALYSIS

VAN17001916.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
PES1731	Soil	19	0.82	702	0.201	1	1.52	0.015	0.18	0.6	0.02	3.5	0.1	0.25	5	3.3	1.1
PES1732	Soil	3	0.02	6	0.036	<1	0.41	0.004	<0.01	<0.1	0.02	0.9	<0.1	0.24	1	1.0	<0.2
PES1733	Soil	15	0.43	142	0.094	<1	2.54	0.010	0.06	0.4	0.06	2.0	0.1	0.06	11	1.8	0.5
PES1734	Soil	20	0.86	356	0.175	<1	1.69	0.012	0.11	0.4	0.01	3.5	0.1	0.12	6	1.7	1.0
PES1735	Soil	17	0.95	379	0.140	<1	1.51	0.013	0.12	0.5	0.01	2.8	0.1	0.13	5	2.9	1.3
PES1736	Soil	11	0.23	101	0.096	1	3.96	0.027	0.07	0.6	0.11	1.9	<0.1	0.10	22	1.7	0.3



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

Client: Imperial Metals Corporation
200 - 580 Hornby St.
Vancouver British Columbia V6C 3B6 Canada

Project: PELICAN
Report Date: September 18, 2017

Page: 1 of 1 Part: 1 of 2

QUALITY CONTROL REPORT **VAN17001916.1**

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
Pulp Duplicates																					
PES1718	Soil	9.0	82.4	79.0	81	2.1	7.6	13.6	1309	7.79	35.0	213.8	4.6	82	<0.1	1.4	2.2	61	0.06	0.203	16
REP PES1718	QC	9.1	85.0	84.8	82	2.3	8.1	14.5	1324	7.82	33.4	912.0	5.0	84	<0.1	1.4	2.3	62	0.06	0.203	18
Reference Materials																					
STD DS11	Standard	14.6	156.5	136.6	354	1.7	80.2	13.4	1038	3.15	41.8	61.5	8.0	67	2.3	9.4	11.6	50	1.01	0.067	19
STD DS11	Standard	14.2	152.2	133.0	342	1.7	78.1	14.0	1053	3.16	43.5	76.5	7.3	67	2.7	8.9	11.2	49	1.04	0.068	18
STD OXC129	Standard	1.0	27.3	6.1	40	<0.1	78.7	20.5	423	3.09	0.7	192.9	1.7	184	<0.1	<0.1	<0.1	54	0.68	0.102	12
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	
STD DS11 Expected		14.6	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701	18.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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.



QUALITY CONTROL REPORT

VAN17001916.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																	
PES1718	Soil	18	0.66	354	0.224	<1	2.06	0.033	0.21	1.2	0.05	3.1	0.2	0.38	8	6.9	1.5
REP PES1718	QC	19	0.66	377	0.224	<1	2.04	0.024	0.20	1.1	0.05	2.8	0.2	0.45	8	6.3	1.5
Reference Materials																	
STD DS11	Standard	60	0.85	383	0.094	7	1.16	0.068	0.40	3.1	0.26	3.1	5.0	0.27	5	2.2	4.7
STD DS11	Standard	60	0.84	359	0.097	7	1.13	0.074	0.40	2.9	0.26	3.3	4.7	0.27	5	2.5	5.1
STD OXC129	Standard	53	1.54	49	0.402	<1	1.53	0.601	0.38	<0.1	<0.01	0.7	<0.1	<0.05	5	<0.5	<0.2
STD OXC129 Expected		52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
STD DS11 Expected		61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.3	3.4	4.9	0.2835	5.1	1.9	4.56
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



AQ300, AQ200

Package Description	Geochemical aqua regia digestion
Sample Digestion	HNO ₃ -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	Element	AQ300 Detection	AQ200 Detection	Upper Limit
Ag	0.3 ppm	0.1 ppm	100 ppm	Na*	0.01 %	0.001 %	5 %
Al*	0.01 %	0.01 %	10 %	Ni	1 ppm	0.1 ppm	10000 ppm
As	2 ppm	0.5 ppm	10000 ppm	P*	0.001 %	0.001 %	5 %
Au	-	0.5 ppb	100 ppm	Pb	3 ppm	0.1 ppm	10000 ppm
B*^	20 ppm	20 ppm	2000 ppm	S	0.05 %	0.05 %	10 %
Ba*	1 ppm	1 ppm	10000 ppm	Sb	3 ppm	0.1 ppm	2000 ppm
Bi	3 ppm	0.1 ppm	2000 ppm	Sc	-	0.1 ppm	100 ppm
Ca*	0.01 %	0.01 %	40 %	Se	-	0.5 ppm	100 ppm
Cd	0.5 ppm	0.1 ppm	2000 ppm	Sr*	1 ppm	1 ppm	10000 ppm
Co	1 ppm	0.1 ppm	2000 ppm	Te	-	0.2 ppm	1000 ppm
Cr*	1 ppm	1 ppm	10000 ppm	Th*	2 ppm	0.1 ppm	2000 ppm
Cu	1 ppm	0.1 ppm	10000 ppm	Ti*	0.01 %	0.001 %	5 %
Fe*	0.01 %	0.01 %	40 %	Tl	5 ppm	0.1 ppm	1000 ppm
Ga*	-	1 ppm	1000 ppm	U*	8 ppm	0.1 ppm	2000 ppm
Hg	1 ppm	0.01 ppm	50 ppm	V*	1 ppm	2 ppm	10000 ppm
K*	0.01 %	0.01 %	10 %	W*	2 ppm	0.1 ppm	100 ppm
La*	1 ppm	1 ppm	10000 ppm	Zn	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				

* 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

SAMPLE LOCATIONS AND DESCRIPTIONS

Coordinate locations recorded in UTM NAD83 Zone 09.

PELICAN PROPERTY: 2017 ROCK CHIP SAMPLE LOCATIONS & DESCRIPTIONS

Project	Sample Type	Sample ID	From (m)	To (m)	Date	Easting NAD83_09	Northing NAD83_09	Elevation	Lithology	Lith Texture	Alteration Int_Style	Alteration Min	Mineralisation	Vein Style_Texture	Structure	Description
Pelican	RCK-FACE	780633	0	2	24-Aug-17	385193	6272713	1300	VTU		QSP		mag, pyr			Mafic tuff? with variable quartz-magnetite veining and silica-sericite alteration: high mag, high Qtz, moderate pyr, low ser
Pelican	RCK-FACE	780634	2	4	24-Aug-17	385192.4	6272710	1300	VTU		QSP					Mafic tuff? with variable quartz-magnetite veining and silica-sericite alteration: higher mag, lesser ser-Qtz
Pelican	RCK-FACE	780635	11	14	24-Aug-17	385190.6	6272701	1300	VTU		QSP		mag, pyr			Mafic tuff? with variable quartz-magnetite veining and silica-sericite alteration: high mag-pyr, moderate Qtz-ser
Pelican	RCK-FACE	780636	14	17	24-Aug-17	385190	6272698	1300	VTU		QSP		mag, wk pyr			Mafic tuff? with variable quartz-magnetite veining and silica-sericite alteration: disseminated and veined mag, moderate-strong silica
Pelican	RCK-FACE	780637	17	20	24-Aug-17	385189.4	6272695	1300	VTU		QSP		mag, wk pyr	vein 45/355		Mafic tuff? with variable quartz-magnetite veining and silica-sericite alteration: Qtz-ser-mag veins at 45/355, strong mag and sericite (fuschite)
Pelican	RCK-FACE	780638	20	23	24-Aug-17	385188.8	6272692	1300	VTU		QSP		mag, wk pyr			Mafic tuff? with variable quartz-magnetite veining and silica-sericite alteration: QSP alteration dominant, high mag, lesser pyr
Pelican	RCK-FACE	780639	23	26	24-Aug-17	385188.2	6272689	1300	VTU		QSP		mag, wk pyr			Mafic tuff? with variable quartz-magnetite veining and silica-sericite alteration:
Pelican	RCK-FACE	780640	26	29	24-Aug-17	385187.6	6272686	1300	VTU		QSP					Mafic tuff? with variable quartz-magnetite veining and silica-sericite alteration:
Pelican	RCK-FACE	780641	33	36	24-Aug-17	385186.4	6272680	1300	VTU		QSP					Mafic tuff? with variable quartz-magnetite veining and silica-sericite alteration:
Pelican	RCK-FACE	780642	36	39	24-Aug-17	385185.8	6272677	1300	VTU		QSP		mag, wk pyr			Mafic tuff? with variable quartz-magnetite veining and silica-sericite alteration: moderate mag but reducing to south
Pelican	RCK-FACE	780643	39	42	24-Aug-17	385185.2	6272674	1300	VTU		QSP		mag, wk pyr			Mafic tuff? with variable quartz-magnetite veining and silica-sericite alteration:
Pelican	RCK-FACE	780644	42	45	24-Aug-17	385184.6	6272671	1300	VTU		QSP		mag, wk pyr			Mafic tuff? with variable quartz-magnetite veining and silica-sericite alteration:
Pelican	RCK-FACE	780645	45	48	24-Aug-17	385184	6272668	1300	VTU		QSP		mag, wk pyr			Mafic tuff? with variable quartz-magnetite veining and silica-sericite alteration:
Pelican	RCK-FACE	780646	48	51	24-Aug-17	385183.4	6272665	1300	VTU		QSP		mag, wk pyr			Mafic tuff? with variable quartz-magnetite veining and silica-sericite alteration:
Pelican	RCK-FACE	780647	51	54	24-Aug-17	385182.8	6272662	1300	VTU		QSP		mag, wk pyr			Mafic tuff? with variable quartz-magnetite veining and silica-sericite alteration:
Pelican	RCK-FACE	780648	54	57	24-Aug-17	385182.2	6272659	1300	VTU		QSP		mag, wk pyr			Mafic tuff? with variable quartz-magnetite veining and silica-sericite alteration: strong QSP alteration, moderate mag
Pelican	RCK-FACE	780649	57	60	24-Aug-17	385181.6	6272656	1300	VTU		QSP					Mafic tuff? with variable quartz-magnetite veining and silica-sericite alteration:
Pelican	RCK-OUT	780650			24-Aug-17	385493	6272651		GMO			ser	mag			Magnetite quartz monzonite, highly magnetic, slightly sericite altered intrusive

Pelican	RCK-OUT	780775			24-Aug-17	385509	6272655.0	1205	GMO			sil-epi	mag			Magnetite quartz monzonite, silicified, epidote
Pelican	RCK-OUT	780776			25-Aug-17	385180	6272387.0				QSP	ser-sil-cly				Rock with pervasive sericite/silica/clay alteration
Pelican	RCK-OUT	780777			24-Aug-17	385253	6272342.0				QSP	ser	25% pyr			Pervasive sericite altered rock, 25% pyrite, adjacent to east-west trending dike
Pelican	RCK-OUT	780778			24-Aug-17	385115	6271712.0				QSP	ser				White-yellow to orange-brown, pervasive sericite alteration

PELICAN PROPERTY: 2017 SOIL SAMPLE LOCATIONS AND DESCRIPTIONS

Project	Sample Type	SampleID	Easting_NAD83_0'	Northing_NAD83_0'	Elevation	Sampler	Date	Notes
Pelican	B-Horizon	PES1701	385150	6272775	1319.957	BE	25-Aug-17	
Pelican	B-Horizon	PES1702	385150	6272750	1316.957	BE	25-Aug-17	
Pelican	B-Horizon	PES1703	385150	6272725	1313.957	BE	25-Aug-17	
Pelican	B-Horizon	PES1704	385150	6272700	1310.957	BE	25-Aug-17	
Pelican	B-Horizon	PES1705	385150	6272675	1307.957	BE	25-Aug-17	
Pelican	B-Horizon	PES1706	385150	6272650	1304.957	BE	25-Aug-17	
Pelican	B-Horizon	PES1707	385150	6272625	1301.957	BE	25-Aug-17	
Pelican	B-Horizon	PES1708	385147	6272601	1299.411	BE	25-Aug-17	
Pelican	B-Horizon	PES1709	385149	6272526	1287.749	BE	25-Aug-17	
Pelican	B-Horizon	PES1710	385150	6272500	1286.042	BE	25-Aug-17	
Pelican	B-Horizon	PES1711	385148	6272474	1280.215	BE	25-Aug-17	
Pelican	B-Horizon	PES1712	385151	6272424	1269.5	BE	25-Aug-17	
Pelican	B-Horizon	PES1713	385152	6272397	1283.976	BE	25-Aug-17	
Pelican	B-Horizon	PES1714	385150	6272376	1281.831	BE	25-Aug-17	
Pelican	B-Horizon	PES1715	385151	6272350	1286.14	BE	25-Aug-17	
Pelican	B-Horizon	PES1716	385151	6272325	1289.672	BE	25-Aug-17	
Pelican	B-Horizon	PES1717	385149	6272272	1290.29	BE	25-Aug-17	
Pelican	B-Horizon	PES1718	385148	6272251	1294.55	BE	25-Aug-17	
Pelican	B-Horizon	PES1719	385150	6272225	1293.835	BE	25-Aug-17	
Pelican	B-Horizon	PES1720	385150	6272200	1296.563	BE	25-Aug-17	
Pelican	B-Horizon	PES1721	385149	6272175	1297.854	BE	25-Aug-17	
Pelican	B-Horizon	PES1722	385150	6272151	1295.571	BE	25-Aug-17	
Pelican	B-Horizon	PES1723	385150	6272125	1293.11	BE	25-Aug-17	
Pelican	B-Horizon	PES1724	385150	6272101	1287.731	BE	25-Aug-17	
Pelican	B-Horizon	PES1725	385148	6272075	1287.681	BE	25-Aug-17	
Pelican	B-Horizon	PES1726	385148	6272050	1286.968	BE	25-Aug-17	
Pelican	B-Horizon	PES1727	385150	6272025	1285.017	BE	25-Aug-17	
Pelican	B-Horizon	PES1728	385149	6272000	1284.776	BE	25-Aug-17	
Pelican	B-Horizon	PES1729	385149	6271974	1280.995	BE	25-Aug-17	
Pelican	B-Horizon	PES1730	385151	6271951	1277.916	BE	25-Aug-17	
Pelican	B-Horizon	PES1731	385149	6271925	1280.356	BE	25-Aug-17	
Pelican	B-Horizon	PES1732	385150	6271901	1280.526	BE	25-Aug-17	

Pelican	B-Horizon	PES1733	385148	6271874	1277.116	BE	25-Aug-17	
Pelican	B-Horizon	PES1734	385150	6271851	1274.249	BE	25-Aug-17	
Pelican	B-Horizon	PES1735	385150	6271826	1267.676	BE	25-Aug-17	
Pelican	B-Horizon	PES1736	385150	6271800	1272.146	BE	25-Aug-17	

SECTION F: ILLUSTRATIONS

Plan Number	Title	Scale
PE-17-1 (after p.2)	BC Location Plan	1:8 000 000
PE-17-2 (after p.2)	General Location Plan	1:260 000
PE-17-3 (after p.2)	Mineral Tenures Plan	1:40 000
PE-17-4 (in pocket)	Geology Plan	1:40 000
PE-17-5 (in pocket)	2017 Geochem Sample Locations	1:5 000
PE-17-6 (in pocket)	2017 Geochem Sampling: Au (ppb)	1:5 000
PE-17-7 (in pocket)	2017 Geochem Sampling: Cu (ppm)	1:5 000
PE-17-8 (in pocket)	2017 Geochem Sampling: Pb (ppm)	1:5 000
PE-17-9 (in pocket)	2017 Geochem Sampling: Zn (ppm)	1:5 000

375000

380000

385000

390000

628000

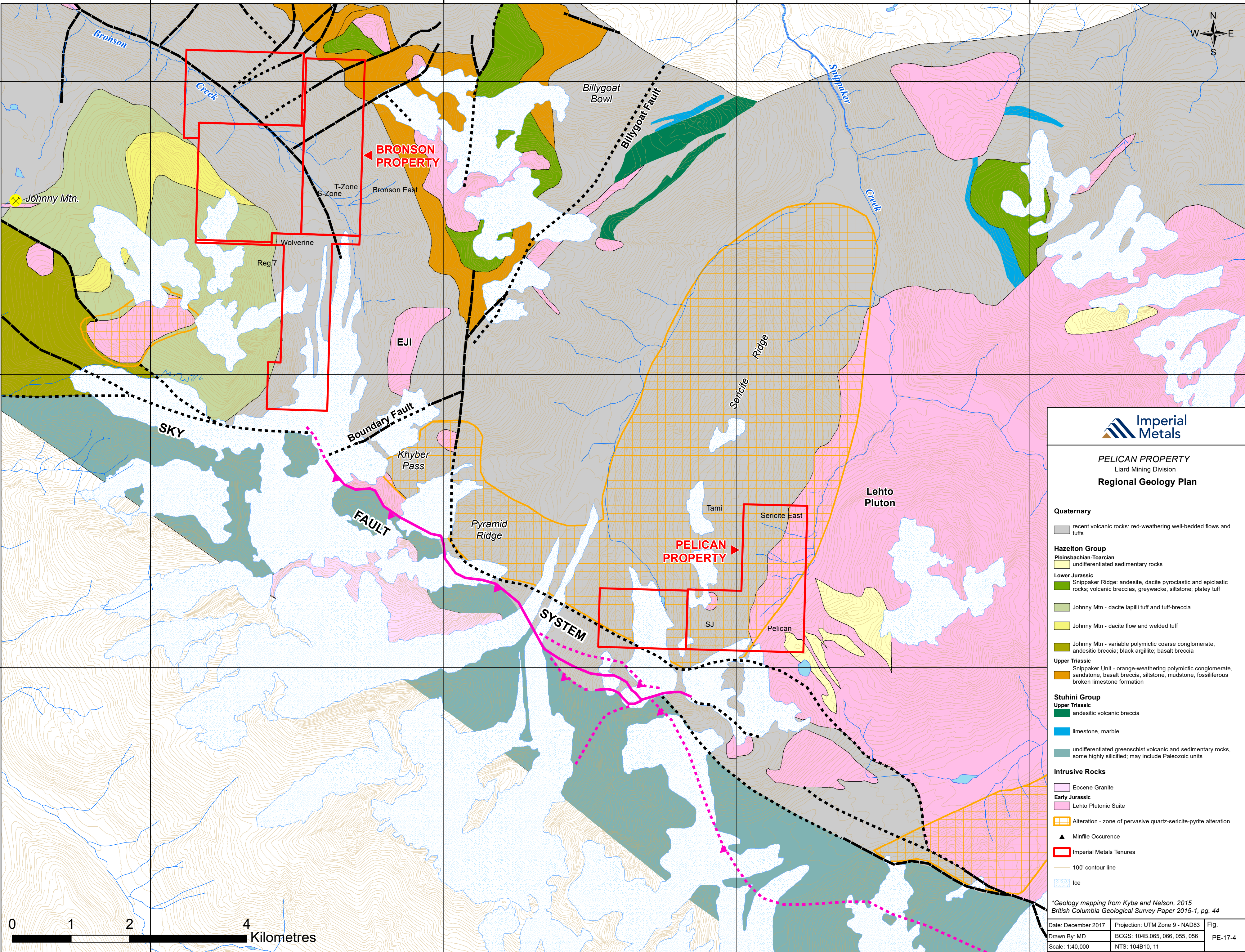
628000

6275000

6275000

6270000

6270000



PELICAN PROPERTY
Liard Mining Division
Regional Geology Plan

Quaternary

recent volcanic rocks: red-weathering well-bedded flows and tuffs

Hazleton Group

Plainsbachian-Toarcian
undifferentiated sedimentary rocks

Lower Jurassic

Snippaker Ridge: andesite, dacite pyroclastic and epiclastic rocks; volcanic breccias, greywacke, siltstone; platy tuff

Johnny Mtn - dacite lapilli tuff and tuff-breccia

Johnny Mtn - dacite flow and welded tuff

Johnny Mtn - variable polymictic coarse conglomerate, andesitic breccia; black argillite; basalt breccia

Upper Triassic

Snippaker Unit - orange-weathering polymictic conglomerate, sandstone, basalt breccia, siltstone, mudstone, fossiliferous broken limestone formation

Stuhini Group

Upper Triassic
andesitic volcanic breccia

limestone, marble

undifferentiated greenschist volcanic and sedimentary rocks, some highly silicified; may include Paleozoic units

Intrusive Rocks

Eocene Granite

Early Jurassic
Lehto Plutonic Suite

Alteration - zone of pervasive quartz-sericite-pyrite alteration

Minfile Occurrence

Imperial Metals Tenures

100' contour line

Ice

*Geology mapping from Kyba and Nelson, 2015

British Columbia Geological Survey Paper 2015-1, pg. 44

Date: December 2017 Projection: UTM Zone 9 - NAD83 Fig.

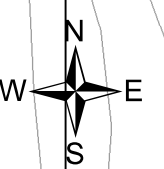
Drawn By: MD BCGS: 104B.065, 066, 055, 056 PE-17-4

Scale: 1:40,000 NTS: 104B10, 11



385000

386000



780633▲
780634▲

780635▲
780636▲
780637▲
780638▲
780639▲
780640▲

780641▲
780642▲
780643▲
780644▲
780645▲
780646▲
780647▲
780648▲
780649▲

0 5 10 20 Metres

- PES1701●
- PES1702●
- PES1703●
- PES1704●
- PES1705●
- PES1706●
- PES1707●
- PES1708●

SEE INSET

- PES1709●
- PES1710●
- PES1711●
- PES1712●
- PES1713●
- PES1714●
- PES1715●
- PES1716●

- PES1717●
- PES1718●
- PES1719●
- PES1720●
- PES1721●
- PES1722●
- PES1723●
- PES1724●
- PES1725●
- PES1726●
- PES1727●
- PES1728●
- PES1729●
- PES1730●
- PES1731●
- PES1732●
- PES1733●
- PES1734●
- PES1735●
- PES1736●

780650▲▲ 780775

▲ 780776

▲ 780777

▲ 780778

222171

222174

0 125 250 500 Metres

- ▲ 2017 Rock Sample Location
- 2017 Soil Sample Location
- ▲ 2016 Rock Sample Location
- ▭ Pelican Tenure
- Ice
- 100' contour line

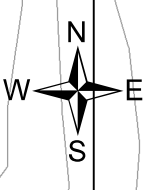


PELICAN PROPERTY
Liard Mining Division
2017 Soil & Rock Sample Locations

Date: December 2017	Projection: UTM Zone 9 - NAD83	Fig.
Drawn By: MD	BCGS: 104B.056	PE-17-5
Scale: 1:5,000	NTS: 104B10	

385000

386000

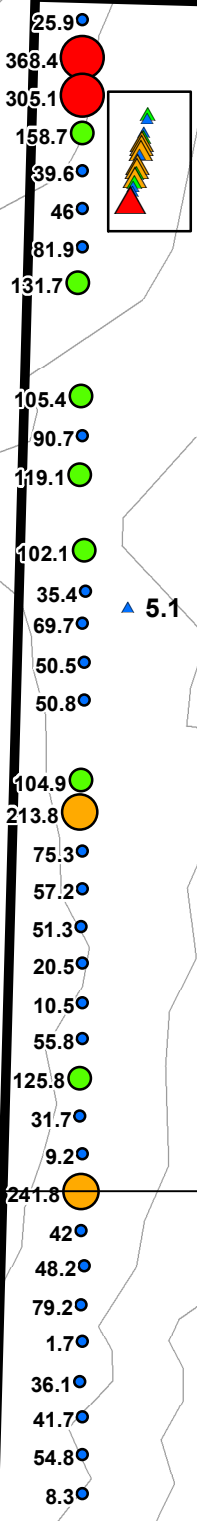
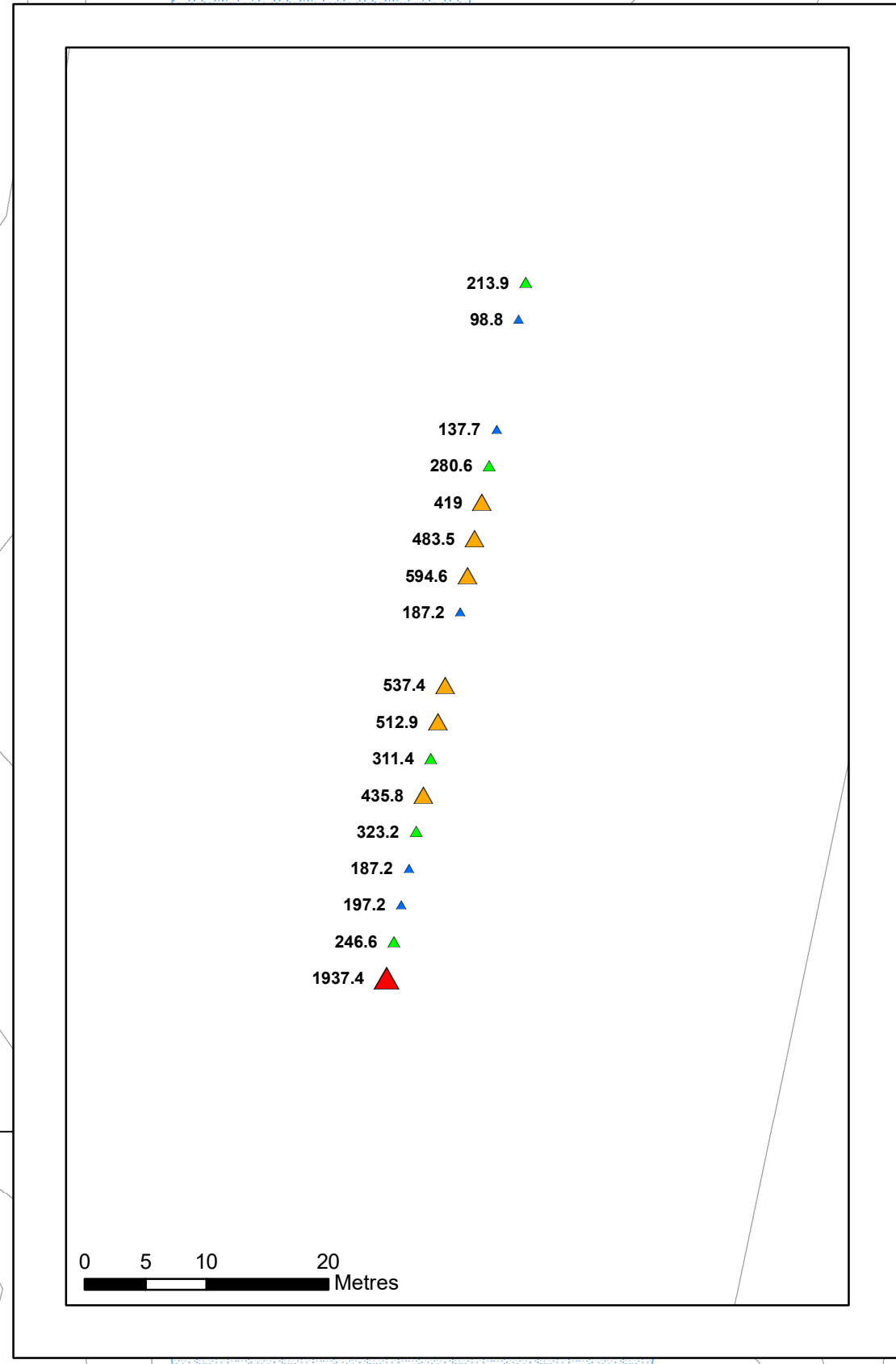


6272000

6272000

6271000

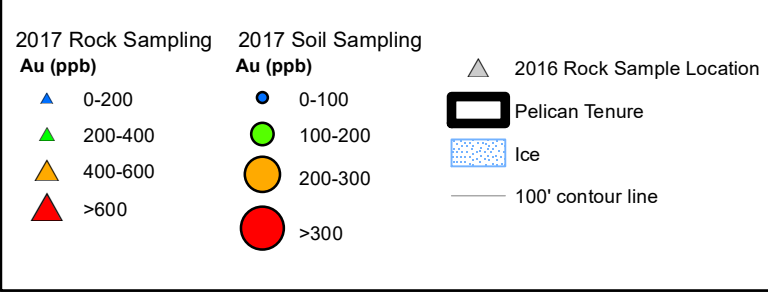
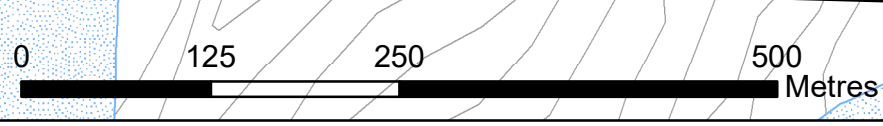
6271000



46.2 ▲ 7.1

222171

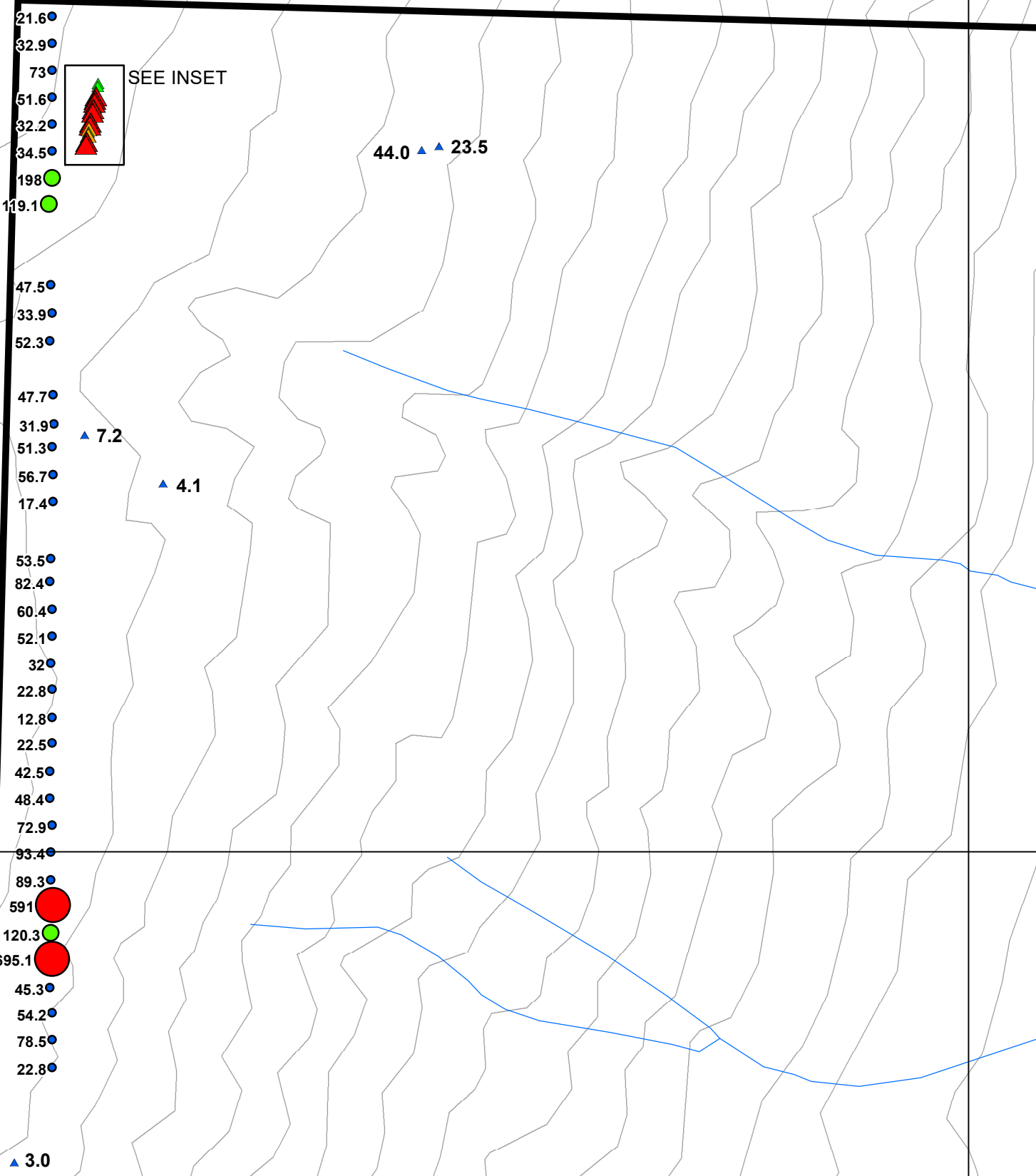
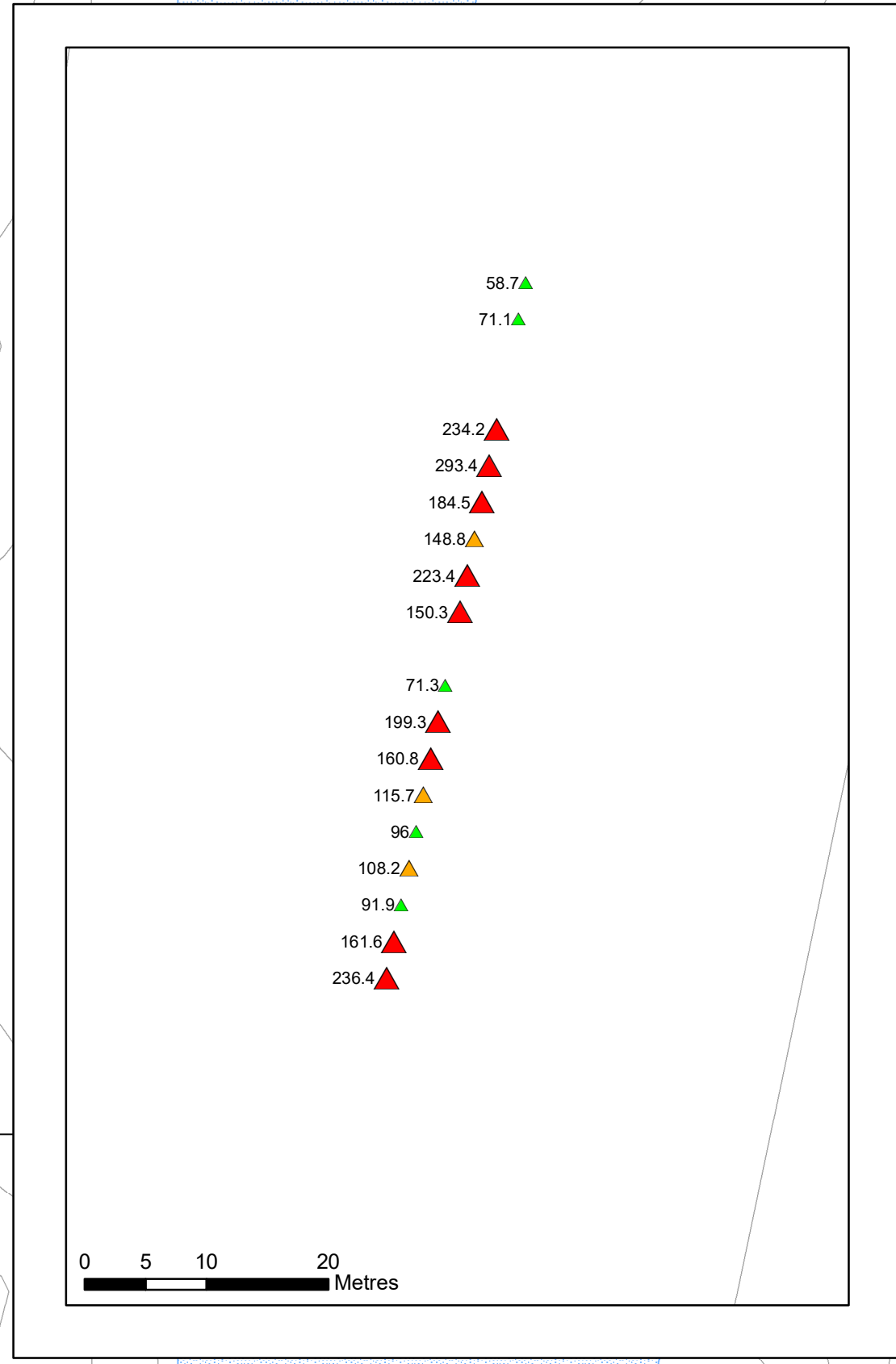
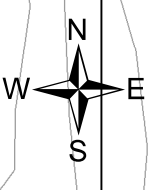
222174



PELICAN PROPERTY Liard Mining Division		
2017 Soil & Rock Sampling: Au (ppb)		
Date: December 2017	Projection: UTM Zone 9 - NAD83	Fig.
Drawn By: MD	BCGS: 104B.056	PE-17-6
Scale: 1:5,000	NTS: 104B10	

385000

386000



6272000

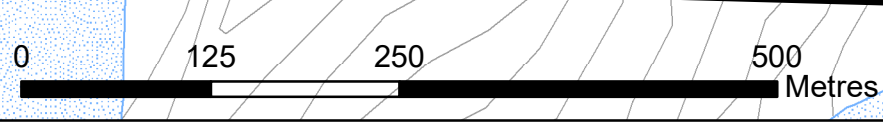
6272000

6271000

6271000

222174

222171



2017 Rock Sampling Cu (ppm)	2017 Soil Sampling Cu (ppm)	2016 Rock Sample Location
▲ 0-50	● 0-100	▲
▲ 50-100	● 100-200	▲
▲ 100-150	● 200-300	▲
▲ >150	● >300	▲
		▭ Pelican Tenure
		▨ Ice
		— 100' contour line

Imperial Metals

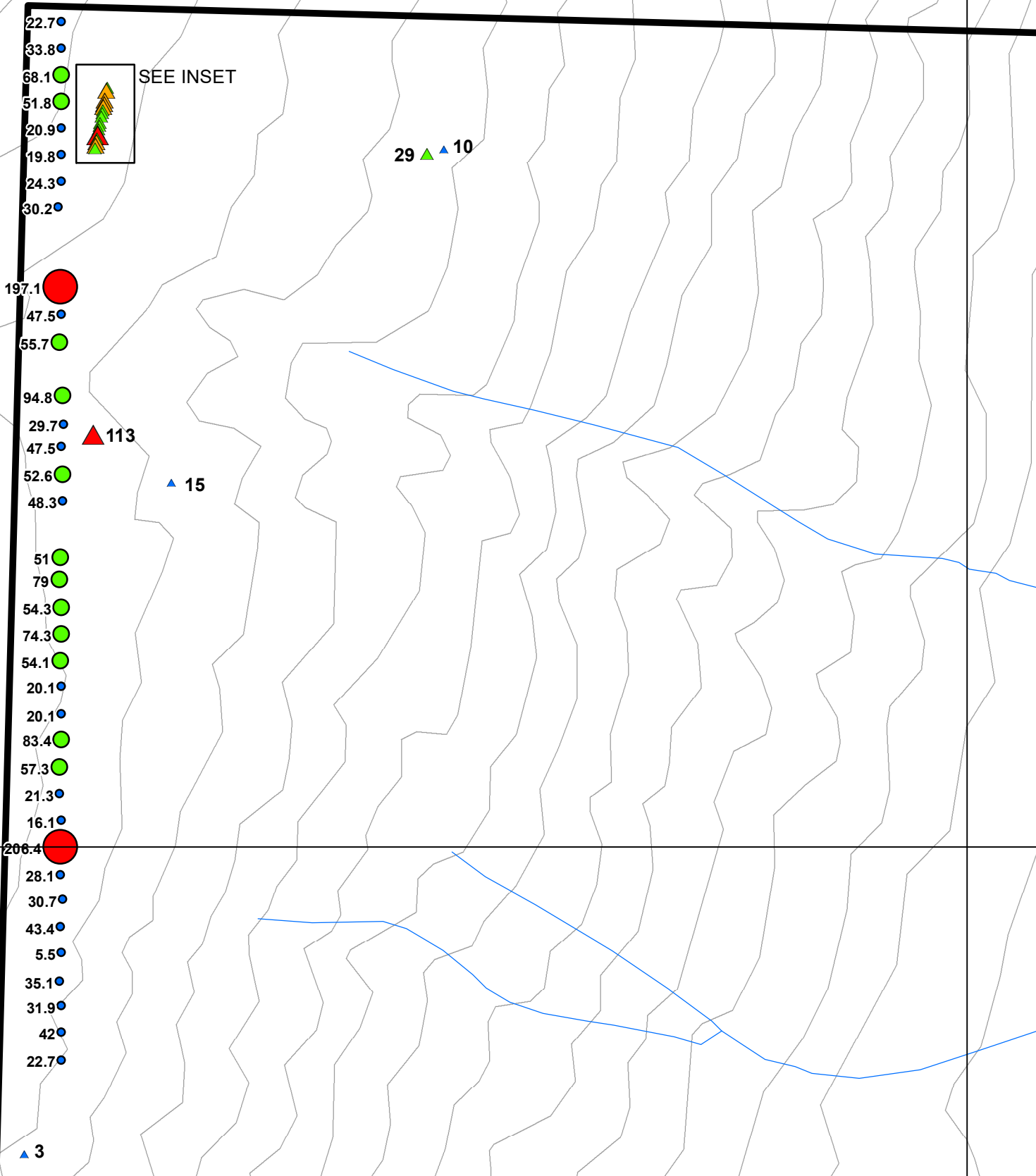
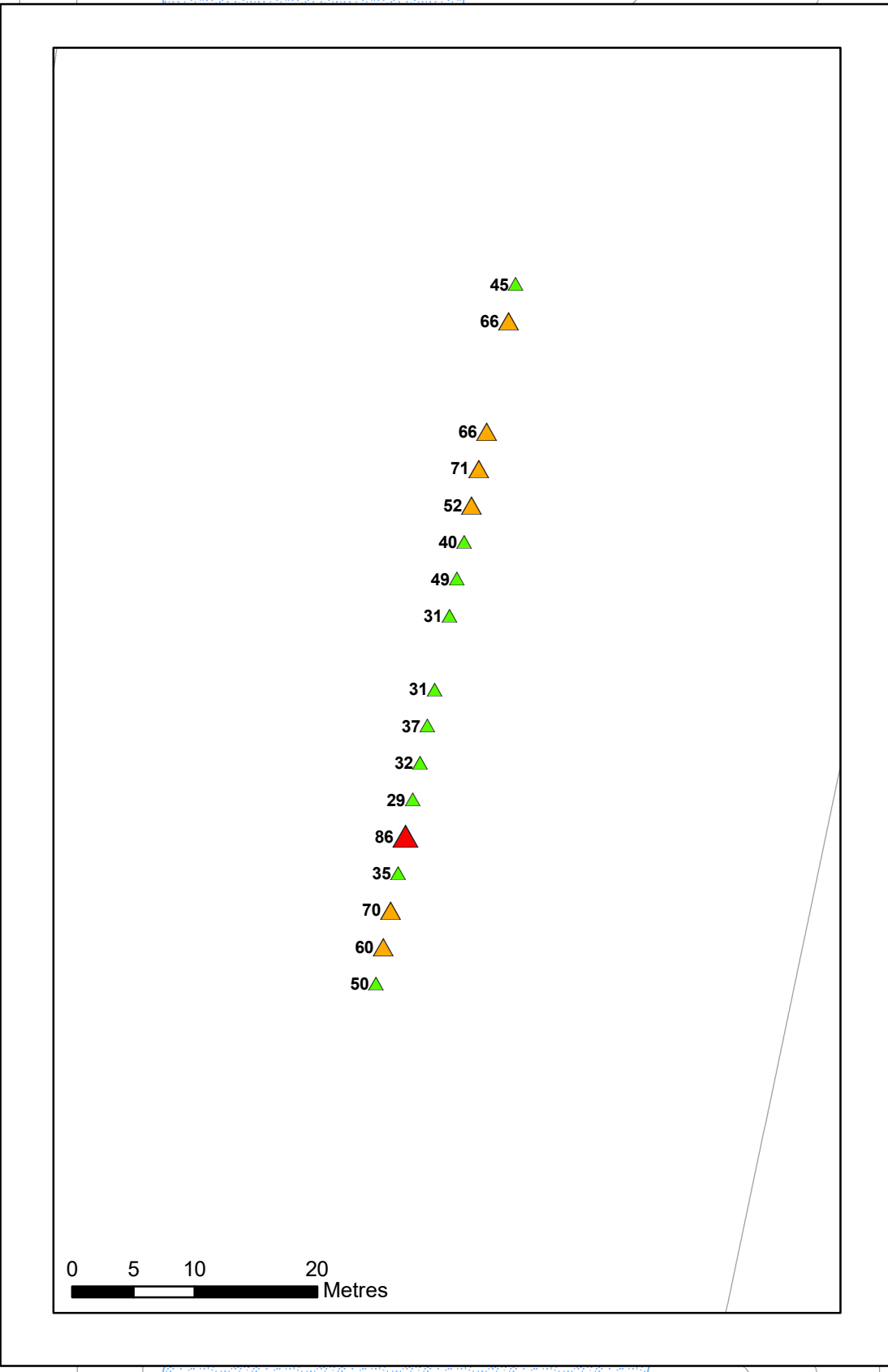
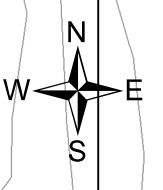
PELICAN PROPERTY
Liard Mining Division

2017 Soil & Rock Sampling: Cu (ppm)

Date: December 2017	Projection: UTM Zone 9 - NAD83	Fig.
Drawn By: MD	BCGS: 104B.056	PE-17-7
Scale: 1:5,000	NTS: 104B10	

385000

386000



6272000

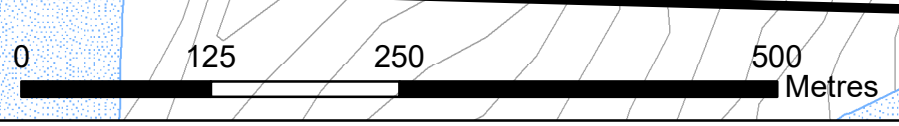
6272000

6271000

6271000

222174

222171



2017 Rock Sampling Pb (ppm)	2017 Soil Sampling Pb (ppm)	2016 Rock Sample Location
▲ 0-25	● 0-50	▲
▲ 25-50	● 50-100	▭ Pelican Tenure
▲ 50-75	● 100-150	▨ Ice
▲ >75	● >150	— 100' contour line

Imperial Metals

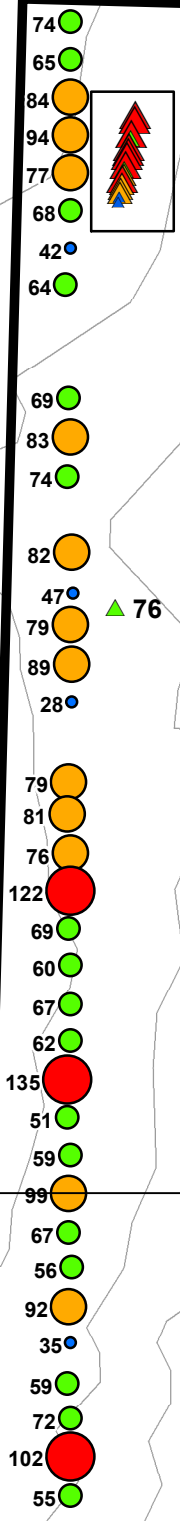
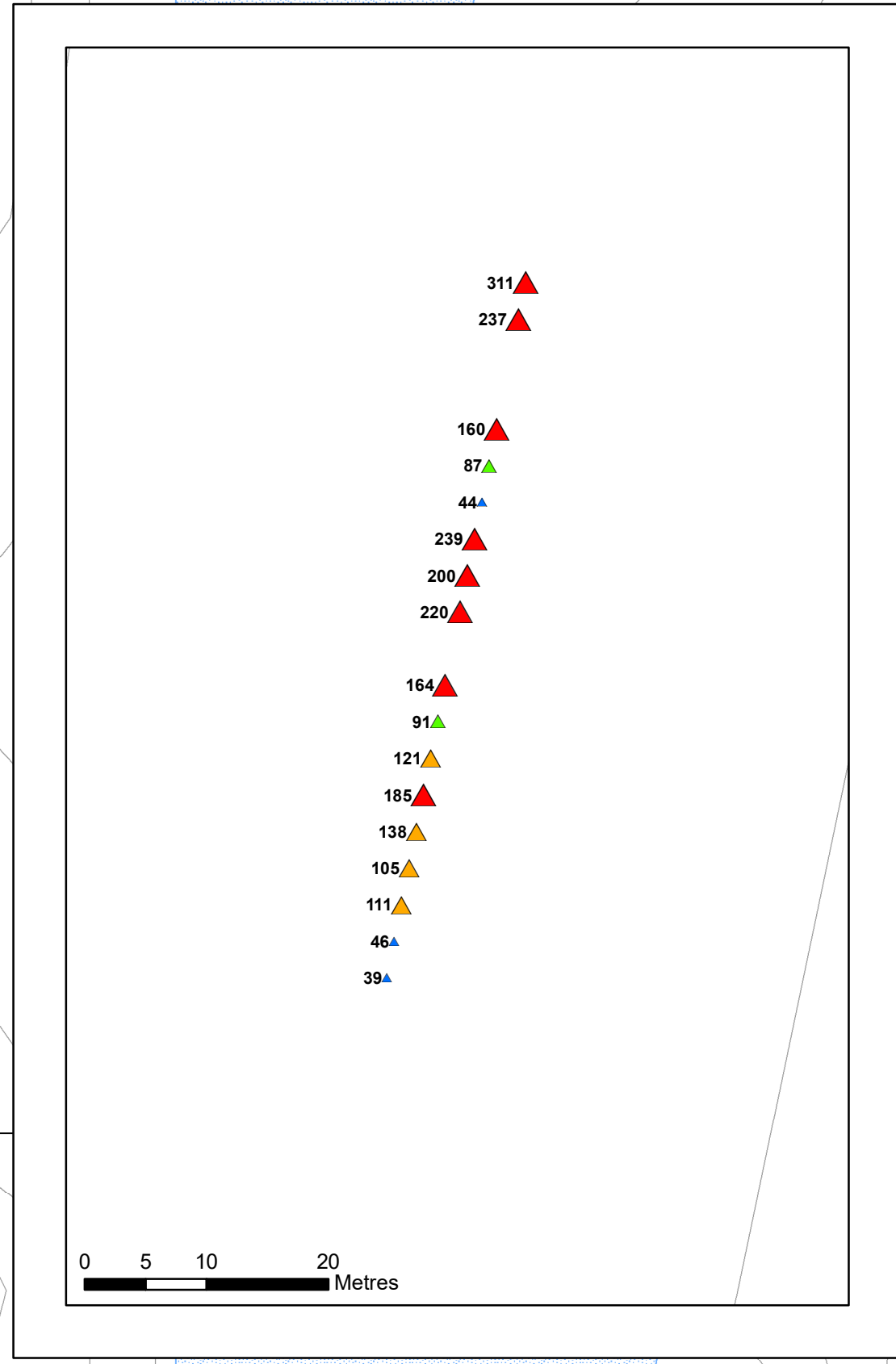
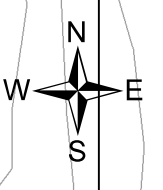
PELICAN PROPERTY
Liard Mining Division

2017 Soil & Rock Sampling: Pb (ppm)

Date: December 2017	Projection: UTM Zone 9 - NAD83	Fig.
Drawn By: MD	BCGS: 104B.056	PE-17-8
Scale: 1:5,000	NTS: 104B10	

385000

386000

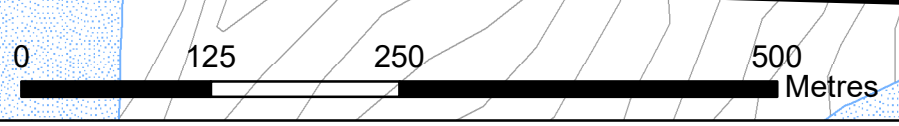


259 ▲ 194 ▲

▲ 1

222171

222174



2017 Rock Sampling Zn (ppm) ▲ 1-50 ▲ 50-100 ▲ 100-150 ▲ >150	2017 Soil Sampling Zn (ppm) ● 0-50 ● 50-75 ● 75-100 ● >100	▲ 2016 Rock Sample Location Pelican Tenure Ice 100' contour line
---	---	---

Imperial Metals

PELICAN PROPERTY
Liard Mining Division

2017 Soil & Rock Sampling: Zn (ppm)

Date: December 2017	Projection: UTM Zone 9 - NAD83	Fig.
Drawn By: MD	BCGS: 104B.056	PE-17-9
Scale: 1:5,000	NTS: 104B10	