

**GEOCHEMICAL SAMPLING REPORT
(2015 Soil and Rock Sampling)**

on the

NAK PROPERTY

Tenure No. 512047

Atlin Mining Division

NTS: 104N/2W

BCGS: 104N006

Latitude: 59° 01' N; Longitude 132° 53' W

UTM (NAD 83, Zone 8): 621 700E; 6 544 200N

Owner:

Imperial Metals Corporation

Operator:

Imperial Metals Corporation

Author: Jim Miller-Tait, P. Geo.

December 21, 2015

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)]: GEOLOGICAL ASSESSMENT REPORT

TOTAL COST: \$18,448.60

AUTHOR(S): Jim Miller-Tait, P. Geo.

SIGNATURE(S): 

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

YEAR OF WORK: 2015

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5572528 / September 30, 2015

PROPERTY NAME: NAK

CLAIM NAME(S) (on which the work was done): 512047

COMMODITIES SOUGHT: Au, Cu

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 104N 136

MINING DIVISION: Atlin

NTS/BCGS: 104N/2 / 104N006

LATITUDE: 59 ° 01.2 ' _____ " LONGITUDE: 132 ° 52.6 ' 00 " (at centre of work)

OWNER(S):

1) Imperial Metals Corporation 2) _____

MAILING ADDRESS:

200-580 Hornby Street

Vancouver, BC V6C 3B6

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):

The NAK Property by Mississippian to Early Jurassic cache Creek terrane with the dominant rock type being harzburgite, gabbro, submarine basalt flows, flow breccia tuffaceous rocks and coarse quartz-rich clastic strata. Chalcopyrite occurs as stringers, disseminated and pods in the volcanics and gabbro.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 27197, 27304, 29589, 30752

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 30 samples / 36 element ICP-ES / MS		512047	\$14,284.76
Silt			
Rock 4 samples / 36 element ICP-ES / MS		512047	\$1,904.64
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			\$667.00
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		512047	\$1,592.20
TOTAL COST:			\$18,448.60



Contact Us ► Help ?
Printer Version

B.C. HOME

Mineral Titles

Mineral Claim Exploration and Development Work/Expiry Date Change

- Select Input Method
- Select/Input Titles
- Input Lots
- Link Event Numbers
- Data Input Form
- Upload Report
- Review Form Data
- Process Payment
- Confirmation

- [Main Menu](#)
- [Search for Mineral / Placer / Coal Titles](#)
- [Search for Reserve Sites](#)
- [View Mineral Titles](#)
- [View Placer Titles](#)
- [View Coal Titles](#)
- [MTO Help](#)
- [Download Spatial Data](#)
- [Free Miner Landowner Notification](#)

Exit this e-service ►

Mineral Titles Online

Mineral Claim Exploration and Development Work/Expiry Date Change

Confirmation

Recorder: IMPERIAL METALS CORPORATION (144344) Submitter: IMPERIAL METALS CORPORATION (144344)
Recorded: 2015/SEP/30 Effective: 2015/SEP/30
D/E Date: 2015/SEP/30

Confirmation

If you have not yet submitted your report for this work program, your technical work report is due in 90 days. The Exploration and Development Work/Expiry Date Change event number is required with your report submission. **Please attach a copy of this confirmation page to your report.** Contact Mineral Titles Branch for more information.

Event Number: 5572528
Work Type: Technical Work
Technical Items: Geochemical, Geological, PAC Withdrawal (up to 30% of technical work required)
Work Start Date: 2015/AUG/29
Work Stop Date: 2015/SEP/20
Total Value of Work: \$ 18400.00
Mine Permit No:

Summary of the work value:

Title Number	Claim Name/Property	Issue Date	Good To Date	New Good To Date	# of Days Forward	Area in Ha	Applied Work Value	Submission Fee
512047		2005/may/04	2015/oct/01	2020/oct/01	1827	366.58	\$ 25832.03	\$ 0.00

Financial Summary:

Total applied work value: \$ 25832.03
PAC name: Imperial Metals Corporation
Debited PAC amount: \$ 7432.03
Credited PAC amount: \$ 0
Total Submission Fees: \$ 0.0
Total Paid: \$ 0.0

Please print this page for your records.
The event was successfully saved.
Click [here](#) to return to the Main Menu.

TABLE OF CONTENTS

Section		Title	Page
A	Report	Introduction	3
		Property	3
		Location and Access	3
		Climate, Topography and Vegetation	3
		History	4
		Regional Geology	4
		Property Geology	4
		Mineralization	5
		2015 Soil Geochemistry Program	5
		2015 Rock Sampling Program	6
		Conclusions	6
		Recommendations	6
		Statement of Qualifications	7
		References	8
B	Property	Schedule of Mineral Claims	
C	Expenditures	Statement of Expenditures	
D	Analytical Reports	Certificates of Analysis	
		Statement of Acme Analytical Procedures	
E	Sample Locations	Sample Locations and Descriptions	
F	Illustrations		
	Plan Number	Title	Scale
	NAK-2015-1 (after P.3)	BC Location Plan	1:8 000 000
	NAK-2015-2 (after P.3)	General Location Plan	1:400 000
	NAK-2015-3 (after P.3)	Mineral Tenure Plan	1:40 000
	NAK-2015-4 (after P.4)	Regional Geology	1:15 000
	NAK-2015-5 (in pocket)	2015 Soil and Rock Sampling Locations	1:1 500
	NAK-2015-6 (in pocket)	2015 Sampling Results - Cu	1:1 500
	NAK-2015-7 (in pocket)	2015 Sampling Results - Au	1:1 500

SECTION A: REPORT

INTRODUCTION:

The NAK Property (the “Property”) covers prospective geology for copper mineralization. The known copper mineralization in the area is described as a Cyprus massive sulphide with copper occurring as disseminated, concordant, stratabound and cross-cutting stringers of chalcopyrite. The Box Lake copper showing is covered by claim tenure 512047 held by Imperial Metals Corporation. There are three other known copper occurrences located to the northwest of the claim. The claim also covers an epithermal quartz vein with boiling textures which was sampled to test for precious metal values.

This report summarizes the prospecting, rock and soil sampling programs carried out by the Company in the last week of August, 2015. There were a total of 30 soil samples and 4 rock samples collected during the program by two geologists and one technician. Access was provided by an A-Star helicopter chartered from Dease Lake, a distance of 180 km.

PROPERTY:

The NAK Property consists of one mineral claim (#512047), 22 cells covering an area of 366.58 ha. The claim is located in the Atlin Mining Division and is currently registered in the name of Imperial Metals Corporation. The location of the property and the mineral claims are shown on Figure Nos. NAK-2015-1 to NAK-2015-3 contained herein. The details of the mineral claim that comprise the Property are set out in Section B of this report. The “good to date” for tenure 512047 is based on the Statement of Exploration and Development Work registered on September 30, 2015 as Event No. 5572528 and assumes that the work contained in this report will be accepted for assessment purposes.

LOCATION AND ACCESS:

The NAK Property is located 180 km northwest of Dease Lake and 75 km southeast of Atlin, in northern British Columbia near the Yukon border. The claim is situated on NTS map sheet 104N/02W and BCGS map sheet 104N 006. Geographic coordinates at the centre of the claim is 59° 01' north latitude, 132° 53' west longitude and the UTM coordinates (NAD 83 / Zone 8) in the centre of the work area are 621, 700E and 6, 544, 200N. Prospecting, soil and rock sampling in 2015 was completed on mineral claim #512047.

There is no road access to or on the Property. Access was provided by chartering an A-Star helicopter from Dease Lake (1.2 hr. trip one way) instead of driving the long route through the Yukon Territory to Atlin, located 75 km northwest of the Property and chartering a helicopter. Communications between crews and the helicopter was by 2-way radio.

CLIMATE, TOPOGRAPHY AND VEGETATION:

The climate is typical of northern areas in British Columbia with long-cold winters and short cool summers. Precipitation is relatively low and average temperatures are approximately -15 degrees Celsius in January and 12 degrees Celsius in July. The claim is located in moderately mountainous terrain with U-shaped valleys and rounded peaks, above treeline with elevations ranging from 1,160 m to 1,680 m.

During the exploration program at the end of August it was snowing heavily at the higher elevations with mixed snow and rain at the lower elevations along the valley floor.



IMPERIAL METALS CORPORATION

NAK PROPERTY
Atlin Mining Division

BC Location Plan

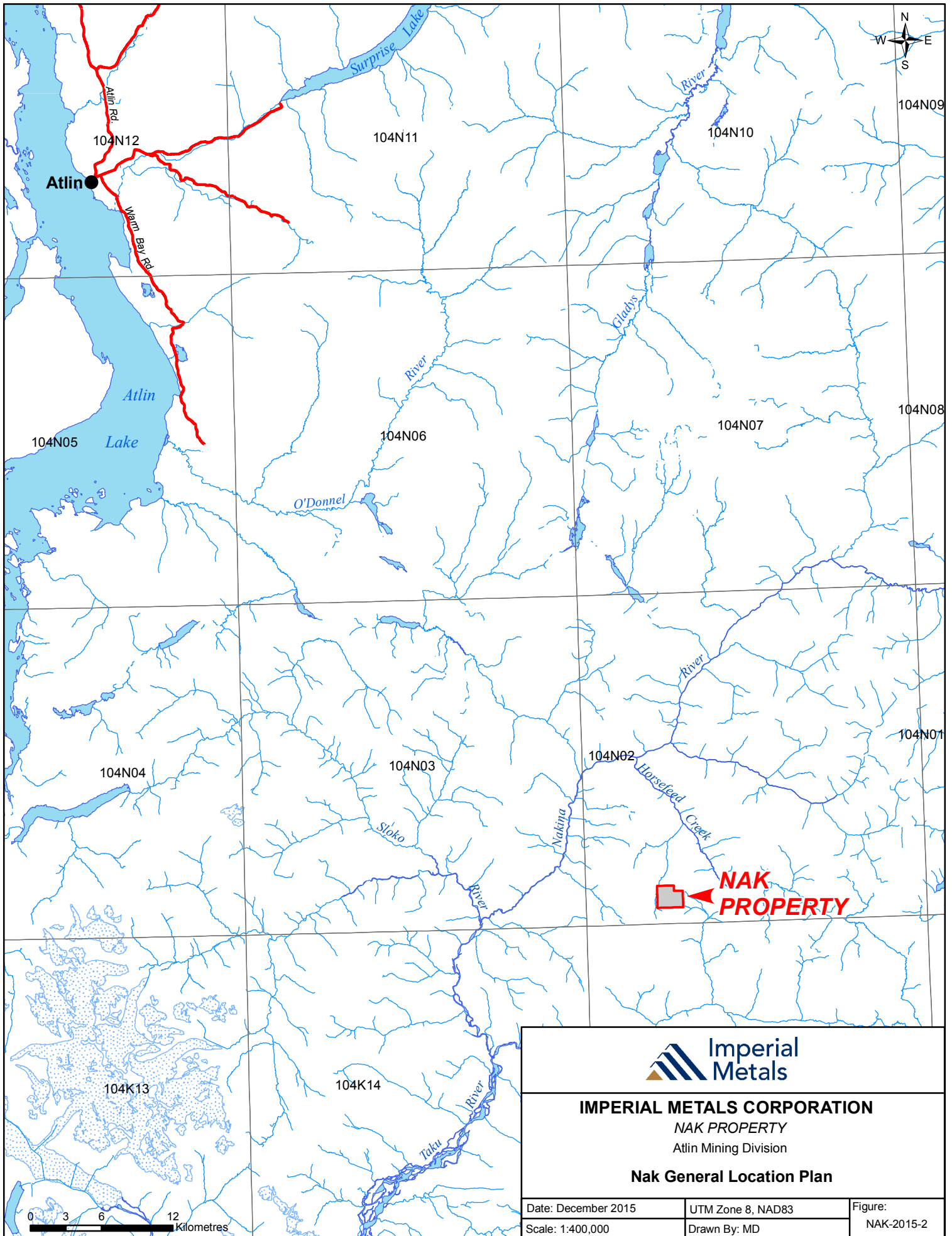
Date: December 2015

Scale: As Shown

Drawn By: MD

Figure:

NAK-2015-1



IMPERIAL METALS CORPORATION
NAK PROPERTY
 Atlin Mining Division
Nak General Location Plan

Date: December 2015	UTM Zone 8, NAD83	Figure:
Scale: 1:400,000	Drawn By: MD	NAK-2015-2

620000

625000



Horsehead Creek

JENNUSTY, NAK

BOR, NAK

JOSS'ALUN, NAK, BIG NAK, JOSSALUN

512047




BOX LAKE, NAK

6545000

6545000

6540000

6540000

-  Nak Mineral Claim
-  MinFile Occurrence
-  100' contour line



IMPERIAL METALS CORPORATION
 NAK PROPERTY
 Atlin Mining Division
Nak Mineral Tenure Plan



Date: December 2015	UTM Zone 8, NAD83	Figure:
Scale: 1:40,000	NTS: 104N02, BCGS: 104N.006	NAK-2015-3
Drawn By: MD		

HISTORY:

In the summer of 2002, Mitch Mihalynuk of the BC Geological Survey, announced his discovery of “new” copper mineralization, named the Joss’alun, consisting of chalcopyrite in volcanic Cache Creek Group rocks. This announcement started a small staking rush and companies Copper Ridge and Tenajon staked the new showing while Imperial Metals staked some claims located to the south of the Joss’alun discovery covering prospective geology.

In 2003 Imperial Metals optioned the claims covering the showings and completed geological mapping, soil and rock sampling, prospecting and drilling nine diamond drill holes totalling 1,517 m. Highlights of the program included hole NAK-03-05 with 17.75 m of 0.94% copper and hole NAK-03-07 with 53.45 m of 0.34% copper. The copper was chalcopyrite hosted in the volcanic stratigraphy of the Cache Creek Group.

In 2004 Imperial dropped its option and Consolidated Norsemont Ventures Ltd. optioned the claims and completed 4.6k m of Induced Polarization (IP) surveying. They concluded that the IP surveying outlined the mineralization intersected by Imperial Metals.

In 2005 Norsemont terminated its option and in 2006 Lomiko optioned Copper Ridge’s claims and Imperial’s NAK claims. During 2007 Lomiko conducted mapping, prospecting and soil sampling.

During 2008 Lomiko conducted AeroTEM electromagnetic and magnetic surveys, IP surveys, soil and rock geochemical sampling, mapping, prospecting and diamond drilling of three holes totalling 759.88 m of BTW core. The best intersection targeting coincident IP and copper soil geochemical anomalies was 3.12 m grading 0.665% copper in hole BN08-010.

REGIONAL GEOLOGY:

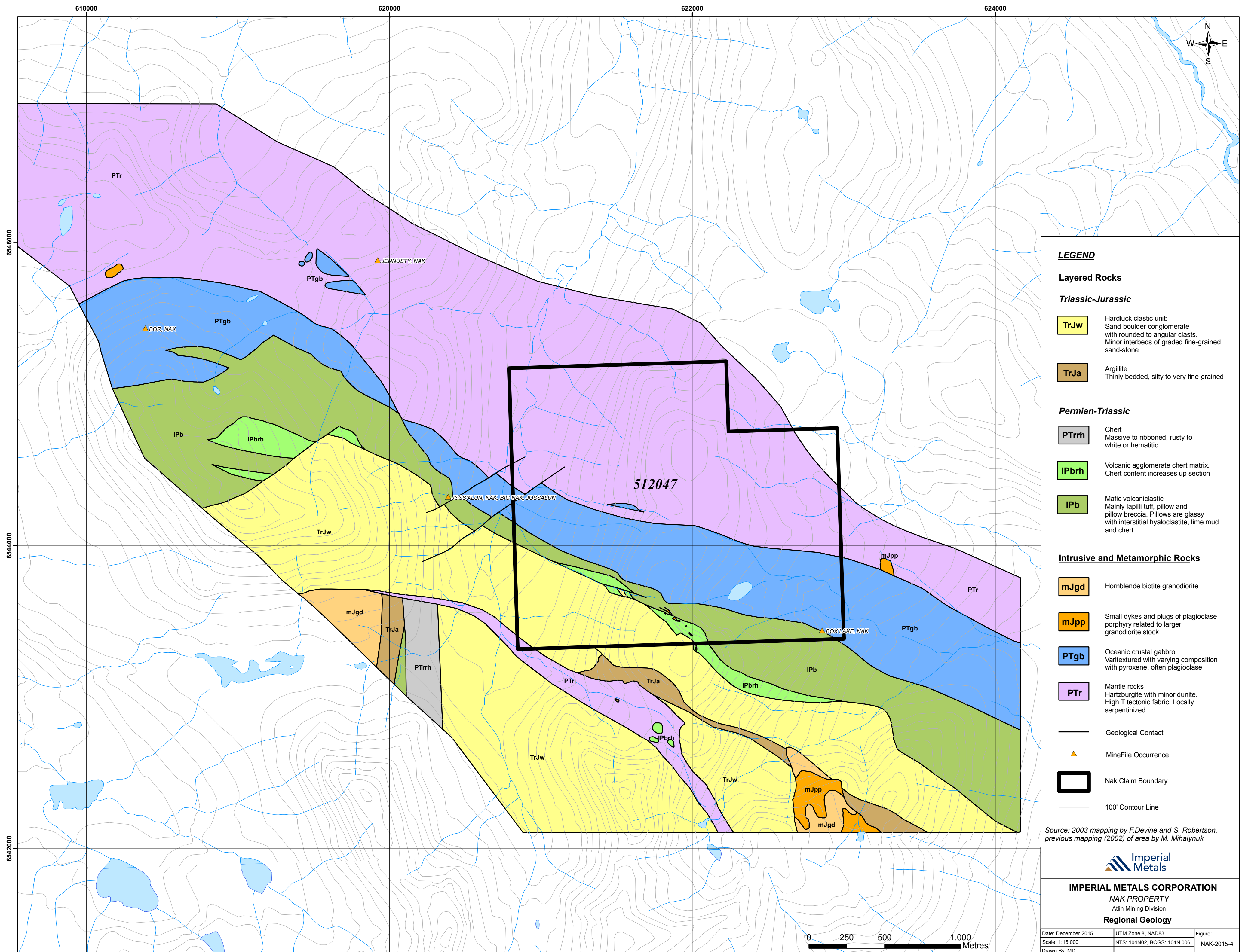
The NAK claim is located in the Cache Creek terrane of the Canadian Cordillera. The Cache Creek oceanic crustal rocks are separated from the Laberge Group and overlying Sloko Group to the southwest by the Nahlin Fault and are bisected by the Salmon River Fault to the northeast of the NAK property. (Mihalynuk 2002)

PROPERTY GEOLOGY:

The claims are underlain by submarine basalt flows, flow breccia, tuffaceous rocks and comagmatic mafic intrusive rocks of the oceanic Cache Creek Complex (upper Mississippian to Permian Nakina Formation). Textures displayed confirm a submarine setting as pillow basalt, radiolarian-bearing iron chert and laminated interpillow micrite are displayed. The mafic unit is structurally underlain by very dense and magnetic ultramafic rocks of the Nahlin body. Unconformably overlying the basalt is a unit comprised of very immature sedimentary rocks, mainly conglomerates, derived from both local and exotic sources.

Ultramafic Rocks:

The lowest member of the oceanic crustal stratigraphic sequence is exposed on the northern section of the claim block. All units of the sequence strike northwest-southeast. The mantle derived rocks are comprised of harzburgite with lesser dunite. The harzburgite weathers a distinct orange and the dunite weathers to a buff-dun color when exposed at surface.



LEGEND

Layered Rocks

Triassic-Jurassic

- TrJw** Hardluck clastic unit:
Sand-boulder conglomerate with rounded to angular clasts. Minor interbeds of graded fine-grained sand-stone
- TrJa** Argillite
Thinly bedded, silty to very fine-grained

Permian-Triassic

- PTrrh** Chert
Massive to ribboned, rusty to white or hematitic
- IPbrh** Volcanic agglomerate chert matrix.
Chert content increases up section
- IPb** Mafic volcanoclastic
Mainly lapilli tuff, pillow and pillow breccia. Pillows are glassy with interstitial hyaloclastite, lime mud and chert

Intrusive and Metamorphic Rocks

- mJgd** Hornblende biotite granodiorite
- mJpp** Small dykes and plugs of plagioclase porphyry related to larger granodiorite stock
- PTgb** Oceanic crustal gabbro
Varitextured with varying composition with pyroxene, often plagioclase
- PTr** Mantle rocks
Hartzburgite with minor dunite. High T tectonic fabric. Locally serpentinized

— Geological Contact

▲ MineFile Occurrence

▭ Nak Claim Boundary

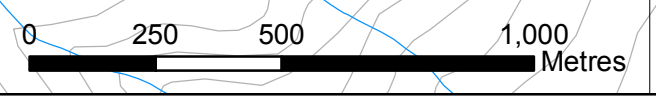
— 100' Contour Line

Source: 2003 mapping by F.Devine and S. Robertson, previous mapping (2002) of area by M. Mihalynuk



IMPERIAL METALS CORPORATION
NAK PROPERTY
 Atlin Mining Division
Regional Geology

Date: December 2015	UTM Zone 8, NAD83	Figure:
Scale: 1:15,000	NTS: 104N02, BCGS: 104N.006	NAK-2015-4
Drawn By: MD		



Gabbro:

Gabbro is located intermixed in the upper part of the ultramafic section, both as large boulders, >100 m, within the highly serpentized rocks and in intrusive contacts. Above the ultramafics the gabbro occurs as blocky competent rock.

Mafic Volcanics:

The mafic volcanics occur as a thick sequence of submarine volcanic deposits. The base of the unit is a series of basalt flows with hyaloclastite texture, inter-pillow lime mud and chert. The pillows are 1-2m in width and flows vary from 3-10m in thickness. Up section volcanic breccia is commonly intermixed with massive flows. Tuff content increases up section with finer dust and crystal tuffs near the top of the volcanic sequence.

Clastic Sediments:

A thick sedimentary package unconformably overlies the mafic volcanics in the southern section of the NAK Property. The unit is dominated by coarse boulder and chert pebble conglomerates and a significant component of quartz rich wackes and siltstone.

MINERALIZATION:

The geology underlying the NAK property is favorable for Cyprus type deposits of copper, silver, gold and zinc. There are four known prospect in the area; three outside the NAK Property being in order of significance the Joss'alun, BOR and Jennusty and the Box Lake prospect located in the southeast corner of the NAK Property. All of the prospects are stringer, disseminated and pods of chalcopyrite hosted in volcanics or gabbro. It is easy to take selective grab samples assaying up to several percent copper at these showings whereas the drilling has some interesting results but the mineralization has proven local in size, podiform and discontinuous.

The main target to test during the 2015 program was to check if there was any precious metal mineralization in a 1-2 m wide epithermal quartz vein hosted by the gabbro. The exposed vein strikes at 100° with an unknown steep dip and is exposed for approximately 200 m. The exposed quartz vein is centered at 621 651E, 6 544 203N and an elevation of 1,500 m (NAD 83, Zone 8).

2015 SOIL GEOCHEMISTRY PROGRAM:

There were a total of 30 soil samples collected at 25 m intervals along elevation contour lines approximately 400 m in length, separated by approximately 200 m. The centre of each line was started on the outcrop of the epithermal quartz vein outcrop. The samples were collected from the B-horizon and the notes from the sampling are tabulated in Section E. A two man crew used a long-handled shovel to collect the samples at very shallow depths, the soil sample stations were flagged and the location surveyed using a hand held GPS (NAD83).

The results of the soil sampling are disappointing with the highest gold assaying only 13.6 ppb. No other elements typical of a high grade gold system (As, Ag, Hg) were anomalous. The high values of nickel and chromium are reflecting the ultramafic gabbro host rock.

Bureau Veritas Mineral Laboratories, Canada, of Vancouver, BC was engaged to carry out the analytical work on the soil samples. The analytical procedure utilized AQ201, 36 multi-element assay by ICP-MS analysis. The assay certificates and analytical procedures are appended in Section D.

2015 ROCK SAMPLING PROGRAM:

During the 2015 exploration program there were 4 rock samples collected from a 1-2 m wide epithermal quartz vein hosted in the gabbro to check for precious metal mineralization. The exposed vein strikes at 100° with an unknown steep dip and is exposed for approximately 200 m. The exposed quartz vein is centered at 621 651E, 6 544 203N and an elevation of 1,500 m (NAD 83, Zone 8). The rock description, location are documented, the location flagged in the field and the location surveyed using a hand held GPS.

The results of the four rock samples were disappointing as there were no precious metal values or any elements anomalous (As, Hg, Ag) that may indicate a hydrothermal precious metal system.

Bureau Veritas Mineral Laboratories, Canada, of Vancouver, BC was engaged to carry out the analytical work on the rock samples. The analytical procedure utilized AQ201, 36 multi-element assay by ICP-MS analysis. The assay certificates and analytical procedures are appended in Section D.

CONCLUSIONS:


The soil and rock sampling completed in 2015 did not delineate any precious or base metal results of interest.

The underlying geology of the NAK claim is favorable for a Cyprus-style copper deposit. There are copper prospects of interest in the area hosted in a similar geological environment.

RECOMMENDATIONS:

A compilation of the geology, known copper showings and the interpretation of the 2008 airborne AeroTEM system electromagnetic and magnetic survey should be completed. Any targets outlined should be examined in the field before additional work is completed.

Respectfully submitted,



Jim Miller-Tait, P. Geo.

STATEMENT OF QUALIFICATIONS:

For: **Jim Miller-Tait** of 828 Whitchurch Street, North Vancouver, B.C. V7L 2A4

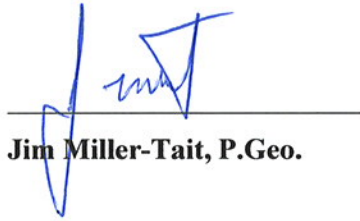
I graduated from the University of British Columbia with a Bachelor of Sciences Degree in Geology (1987);

I have been practicing my profession as a geologist in mineral exploration and mining continuously since 1987;

I am a fellow in good standing with the Geological Association of Canada;

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

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



Jim Miller-Tait, P.Ge.

REFERENCES:

Aitken, J.D.; (1959): Atlin map-area, British Columbia; Geological Survey of Canada, Memoir, 307, 89 pages.

Doherty, R. Allen.; (2008): A Technical review of the BIG NAK Project, Atlin Mining Division, British Columbia, Lomiko Resources Inc., Internal Report.

Hodge, L. Joanna, Dawson, J. Greg.; (2008): Assessment Report on the 2007 Soil Geochemical and Prospecting Program. JOSS'ALUN COPPER PROJECT. Copper Ridge Explorations Inc.; Assessment Report #29589

Hodge, L. Joanna, Dawson, J. Greg.; (2009): Assessment Report on the 2008 Soil Geochemical, Prospecting, Geophysical and Drilling Program. JOSS'ALUN COPPER PROJECT. Copper Ridge Explorations Inc.; Assessment Report #30752

Lowe, C. and Mihalynuk, M.G. (2002).; The Atlin Integrated Geoscience Project, northwest British Columbia – an overview, Geological Survey of Canada, Paper 2002-A.

Mihalynuk, M.G. (2002).; Geological setting and style of mineralization at the Joss'alun discovery, Atlin area, British Columbia; BC Ministry of Energy and Mines, Geofile, GF2002-6.

O'Connor, L and Candy, C.; (2003): Assessment Work Report, MaxMin EM Survey, Dark Claim, NAK Property, Atlin M.D., Imperial Metals Corporation; Assessment Report #27197

Robertson, Stephen (2004).; Geological and Geochemical Report D1 – D12, Knack 1 – 2, Nic, Wack, D Claims, Nak Property Atlin B.C., Imperial Metals Corporation; Assessment Report #27,304.

SECTION B: PROPERTY

Schedule of Mineral Tenures

NAK PROPERTY: MINERAL TENURES							Date:	Oct 01 2015
OWNER:	IMPERIAL METALS CORPORATION	100.0%	BC Client No	144344	Tenures:	1	Cells/Units:	22
							Area (ha):	366.58
MINING DIVISION: Atlin			LAND DISTRICT: Cassiar		LAND TITLE DISTRICT: Prince Rupert			
LOCATION: 75 km SE of Atlin, BC								
MAP NO.	NTS:	104N/2W	GEOGRAPHIC COORDINATES:			59° 01.2' N;	132° 52.6' W	
	BCGS:	104N006	UTM COORDINATES (NAD 83, ZONE 08):			6 544 300 N	621 900 E	

MAP REFERENCE:	
1:250 000	104N
1:50 000	104N/2
1:20 000	104N006

TENURE RECORDS:										
Tenure No.	Tenure Type	Claim Name	Map No.	Record Date	Good To Date	Work Year	Cells	Area (ha)	Work Factor	Work**
512047	Mineral		104N006	2005/may/04	2020/oct/01	8	22	366.58	\$20.00	\$7,331.60
TOTAL	1						22	366.58		\$7,331.60

** 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

2020 Tenure Maintenance Requirements:	Assessment or Cash-in Lieu @ 2x work requirement	Work	\$7,331.60
		Cash-in-Lieu	\$14,663.20

ASSESSMENT FILING RECORD:										
Filing Date	Event No.	Total Value Filed	Work-C/L	PAC Debit	PAC Credit	Report Due	Report Filed		Approved	Report No.
2012/jun/25	5359493	\$4,896.90	Cash-in-lieu	\$0.00	\$0.00	N/A	N/A		2012/jun/25	N/A
2013/aug/09	5462412	\$9,190.10	Cash-in-lieu	\$0.00	\$0.00	N/A	N/A		2013/aug/09	N/A
2014/mar/18	5494909	\$16,328.91	Cash-in-lieu	\$0.00	\$0.00	N/A	N/A		2014/mar/18	N/A
2015/mar/30	5548910	\$0.00	Reduction	\$0.00	\$0.00	N/A	N/A	512047	2015/mar/30	N/A
2015/mar/30	5548913	\$2,007.74	Cash-in-lieu	\$0.00	\$0.00	N/A	N/A	512047	2015/mar/30	N/A
2015/sep/30	5572528	\$25,832.03	\$18,400.00	\$7,432.03	\$0.00	2015/dec/29		512047		

SECTION C: EXPENDITURES

Expenditures: 2015 Geochemical Sampling Program

Imperial Metals Corporation
NAK PROJECT

Expenditure: 2015 Geochemical Sampling Program

Dec 17 2015

Item / Contractor	Work	Period	Quantity	Unit	Rate	Amount
Personnel:						
Jim Miller-Tait, P.Geo.	Exploration Manager, general supervision	Aug 30 - Sep 1, 2015	3	days	\$550.00	\$1,650.00
Ben Eggers, P.Geo	Geologist	Aug 29 - Sep 3, 2015	5.5	days	\$450.00	\$2,475.00
Tom Balfour	Field Assistant	Aug 30 - Sep 3, 2015	5	days	\$275.00	\$1,375.00
Subtotal						\$5,500.00
Accommodation & Meals:						
Accommodation	Dease Lake and Enroute from site	Aug 30 - Sep 3, 2015	11	man days	\$128.55	\$1,414.01
Food / Meal Expenditures		Aug 30 - Sep 3, 2015	11	man days	\$59.76	\$657.41
Subtotal						\$2,071.42
Transportation (Air):						
Lakelse Air Ltd.	Helicopter charter (AS350): Dease Lake - Nak - Dease Lake	Aug 31, 2015	2.8	hours	\$1,994.50	\$5,584.60
Subtotal						\$5,584.60
Transportation (Vehicle):						
Pickup - Expl Manager, Ford F-150	New Hazelton - Dease Lake - Williams Lake	Aug 30 - Sep 2, 2015	1890	km	\$0.40	\$756.00
Fuel - Expl Manager, Ford F-150	New Hazelton - Dease Lake - Williams Lake	Aug 30 - Sep 2, 2015	1	units	\$403.42	\$403.42
Pickup - Geologist, Nissan Frontier	New Hazelton - Dease Lake - Tofino	Aug 30 - Sep 3, 2015	2442	km	\$0.40	\$976.80
Fuel - Geologist, Nissan Frontier	New Hazelton - Dease Lake - Tofino	Aug 30 - Sep 3, 2015	1	units	\$473.66	\$473.66
BC Ferries - vehicle and personel	1x crossing with vehicle and crew	Sep 3, 2015	1	units	\$88.50	\$88.50
Subtotal						\$2,698.38
Assaying:						
Acme Analytical Laboratories	Soil Samples: AQ201 analytical code	31-Aug-15	30	samples	\$19.06	\$571.80
Acme Analytical Laboratories	Rock Samples: AQ201 analytical code	Aug 31, 2015	4	samples	\$23.80	\$95.20
Subtotal						\$667.00
Field Supplies:						
Blackbird Geoscience Ltd.	VHF Radio rental x1	Aug 31, 2015	1	days	\$5.00	\$5.00
Satellite Phone - Globalstar	1/2 month rental fee		0.5	units	\$60.00	\$30.00
Subtotal						\$35.00
Drafting:						
Melissa Darney	GIS work: plan drafting		1	days	\$300.00	\$300.00
Subtotal						\$300.00
Report Preparation:						
Jim Miller-Tait, P.Geo.	Data compilation, report preparation		2.5	days	\$550.00	\$1,375.00
Erik Andersen	Report editing, compilation		4	hours	\$54.30	\$217.20
Subtotal						\$1,592.20
Total	Tenures: 512047					\$18,448.60

SECTION D: ANALYTICAL REPORTS

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

File Number	Date of Certificate	No. of Samples	Sample Type	Analytical Procedure
SMI15000066.1	Sep 17 2015	4	Rock	AQ201
SMI15000067.1	Sep 10 2015	30	Soils	AQ201
Total		34		

2. Statement of Analytical Procedures: 1 data sheet
 - Acme Labs 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 BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Imperial Metals Corporation**
200 - 580 Hornby St.
Vancouver BC V6C 3B6 CANADA

Submitted By: Melissa Darney
Receiving Lab: Canada-Smithers
Received: September 02, 2015
Report Date: September 17, 2015
Page: 1 of 2

CERTIFICATE OF ANALYSIS

SMI15000066.1

CLIENT JOB INFORMATION

Project: NAK
Shipment ID: NAK2015-01
P.O. Number
Number of Samples: 4

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	4	Crush, split and pulverize 250 g rock to 200 mesh			SMI
AQ201	4	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

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

ADDITIONAL COMMENTS

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 BC V6C 3B6
CANADA

CC: Erik Andersen
Jim Miller-Tait



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: Imperial Metals Corporation

200 - 580 Hornby St.

Vancouver BC V6C 3B6 CANADA

Project: NAK

Report Date: September 17, 2015

Page: 2 of 2

Part: 1 of 2

CERTIFICATE OF ANALYSIS

SMI1500066.1

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	
780925	Rock	1.75	<0.1	0.5	0.2	<1	<0.1	233.2	2.2	179	0.58	<0.5	2.8	<0.1	87	<0.1	<0.1	<0.1	4	7.01	0.001
780926	Rock	1.59	<0.1	0.3	<0.1	<1	<0.1	85.2	0.7	211	0.23	<0.5	0.5	<0.1	586	<0.1	<0.1	<0.1	<2	9.04	<0.001
780927	Rock	1.28	<0.1	1.3	0.1	<1	<0.1	39.0	0.9	212	0.54	<0.5	2.1	<0.1	54	<0.1	<0.1	<0.1	<2	5.88	0.001
780928	Rock	1.10	<0.1	13.5	<0.1	18	<0.1	1248.4	59.7	298	3.09	<0.5	1.7	<0.1	2	<0.1	<0.1	<0.1	12	0.05	<0.001



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: Imperial Metals Corporation

200 - 580 Hornby St.

Vancouver BC V6C 3B6 CANADA

Project: NAK

Report Date: September 17, 2015

Page: 2 of 2

Part: 2 of 2

CERTIFICATE OF ANALYSIS

SMI15000066.1

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	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	
780925	Rock	<1	6	18.28	4	<0.001	<1	0.02	0.004	<0.01	<0.1	<0.01	1.4	<0.1	<0.05	<1	<0.5	<0.2
780926	Rock	<1	15	1.95	10	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
780927	Rock	<1	25	3.48	4	<0.001	<1	0.03	0.001	<0.01	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
780928	Rock	<1	409	12.69	4	0.001	6	0.11	<0.001	<0.01	<0.1	<0.01	6.0	<0.1	<0.05	<1	<0.5	<0.2



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

Client: Imperial Metals Corporation
200 - 580 Hornby St.
Vancouver BC V6C 3B6 CANADA

Project: NAK
Report Date: September 17, 2015

Page: 1 of 1

Part: 1 of 2

QUALITY CONTROL REPORT

SMI15000066.1

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	14.3	151.7	150.4	378	2.0	75.4	13.0	882	2.82	45.2	84.4	8.0	73	2.6	9.7	13.5	44	1.09	0.072
STD OXC129	Standard	1.1	27.1	6.3	40	<0.1	77.3	20.1	411	3.09	0.7	190.2	2.0	207	<0.1	<0.1	<0.1	55	0.70	0.100
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-SMI	Prep Blank	0.6	4.0	2.9	38	<0.1	0.8	3.5	490	1.81	1.1	<0.5	2.2	29	<0.1	<0.1	<0.1	24	0.60	0.041



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

Client: Imperial Metals Corporation
200 - 580 Hornby St.
Vancouver BC V6C 3B6 CANADA

Project: NAK
Report Date: September 17, 2015

Page: 1 of 1

Part: 2 of 2

QUALITY CONTROL REPORT

SMI1500066.1

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	
Reference Materials																		
STD DS10	Standard	19	54	0.78	362	0.079	7	1.06	0.070	0.34	3.4	0.33	3.1	5.4	0.29	4	2.0	5.2
STD OXC129	Standard	13	49	1.58	49	0.405	<1	1.62	0.599	0.37	<0.1	<0.01	1.0	<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-SMI	Prep Blank	7	7	0.45	73	0.079	2	1.12	0.164	0.15	0.1	<0.01	3.8	<0.1	<0.05	4	<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: Imperial Metals Corporation
200 - 580 Hornby St.
Vancouver BC V6C 3B6 CANADA

Submitted By: Melissa Darney
Receiving Lab: Canada-Smithers
Received: September 02, 2015
Report Date: September 10, 2015
Page: 1 of 2

CERTIFICATE OF ANALYSIS

SMI15000067.1

CLIENT JOB INFORMATION

Project: NAK
Shipment ID: NAK2015-01
P.O. Number
Number of Samples: 30

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 BC V6C 3B6
CANADA

CC: Erik Andersen
Jim Miller-Tait

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	30	Dry at 60C			SMI
SS80	30	Dry at 60C sieve 100g to -80 mesh			SMI
AQ201	30	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. 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 BC V6P 6E5 CANADA

PHONE (604) 253-3158

Client: **Imperial Metals Corporation**

200 - 580 Hornby St.
Vancouver BC V6C 3B6 CANADA

Project: NAK

Report Date: September 10, 2015

Page: 2 of 2

Part: 1 of 2

CERTIFICATE OF ANALYSIS

SMI1500067.1

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	ppm	
NAK15-001	Soil	0.5	98.5	2.4	65	<0.1	782.4	42.5	515	4.49	1.4	4.7	0.6	21	0.3	0.1	<0.1	72	0.84	0.048	4
NAK15-002	Soil	0.5	142.4	1.8	57	<0.1	961.0	122.8	1328	5.74	1.6	7.1	0.6	29	0.3	0.1	<0.1	46	2.76	0.020	4
NAK15-003	Soil	0.3	88.2	0.9	52	<0.1	1009.5	123.6	1239	6.77	1.5	3.6	0.3	40	0.1	<0.1	<0.1	44	2.01	0.014	2
NAK15-004	Soil	0.2	27.9	0.6	41	<0.1	1908.9	116.7	1079	3.55	1.6	3.2	0.2	5	<0.1	<0.1	<0.1	31	0.18	0.010	<1
NAK15-005	Soil	0.2	28.2	0.8	44	<0.1	2048.2	109.0	1002	4.16	1.9	2.3	0.2	6	<0.1	<0.1	<0.1	34	0.25	0.016	1
NAK15-006	Soil	0.6	35.8	1.7	64	<0.1	1181.4	61.9	713	4.42	1.1	2.4	0.3	45	0.1	0.1	<0.1	49	0.95	0.053	3
NAK15-007	Soil	0.6	38.4	2.7	88	<0.1	869.9	44.0	596	5.79	1.3	2.5	0.4	32	0.2	0.1	<0.1	77	0.61	0.118	4
NAK15-008	Soil	1.0	30.3	2.7	54	<0.1	1077.8	108.2	1409	5.54	1.5	1.7	0.5	21	0.1	0.2	<0.1	68	0.61	0.060	4
NAK15-100	Soil	0.4	175.0	1.2	55	<0.1	1033.5	98.7	1208	5.92	1.9	6.9	0.3	16	0.3	<0.1	<0.1	73	0.90	0.024	3
NAK15-101	Soil	0.6	95.8	2.0	60	<0.1	567.5	53.4	734	4.61	1.2	3.1	0.6	24	0.2	<0.1	<0.1	70	0.83	0.052	3
NAK15-102	Soil	0.2	142.1	0.8	38	<0.1	254.3	41.9	620	3.52	0.5	2.4	0.2	32	<0.1	<0.1	<0.1	57	1.09	0.033	1
NAK15-103	Soil	0.2	139.6	0.7	45	<0.1	575.2	98.1	1068	5.29	0.8	2.4	<0.1	16	<0.1	<0.1	<0.1	61	0.79	0.009	<1
NAK15-104	Soil	0.2	153.9	0.7	37	<0.1	307.1	52.8	722	4.28	0.7	6.3	0.1	18	<0.1	<0.1	<0.1	63	0.86	0.014	<1
NAK15-105	Soil	0.3	177.6	1.2	58	<0.1	395.3	71.2	1197	5.92	1.9	13.6	0.2	19	0.1	<0.1	<0.1	107	0.85	0.034	2
NAK15-106	Soil	0.2	178.3	0.9	51	<0.1	369.7	69.7	1198	6.01	1.1	12.2	0.2	18	<0.1	<0.1	<0.1	97	1.00	0.029	1
NAK15-107	Soil	0.3	138.4	1.0	49	<0.1	219.2	48.3	998	4.93	0.9	6.1	0.2	23	<0.1	<0.1	<0.1	118	1.29	0.050	1
NAK15-200	Soil	0.5	79.9	2.0	53	<0.1	576.1	73.0	1030	5.03	1.2	3.7	0.3	30	0.2	0.2	<0.1	82	1.19	0.055	2
NAK15-201	Soil	0.8	38.5	3.3	64	<0.1	598.0	73.8	1148	5.14	1.7	2.2	0.3	26	0.2	0.2	<0.1	73	0.72	0.097	3
NAK15-202	Soil	0.3	29.9	1.1	42	<0.1	1568.7	97.3	972	5.18	1.2	2.3	0.4	15	0.1	<0.1	<0.1	54	0.76	0.017	2
NAK15-203	Soil	0.5	31.4	1.8	59	<0.1	1122.3	65.6	743	4.49	1.3	2.9	0.3	34	<0.1	0.1	<0.1	52	0.86	0.041	3
NAK15-204	Soil	0.9	34.5	2.7	54	<0.1	1085.4	66.3	878	4.94	1.6	3.3	0.5	19	0.2	0.2	<0.1	61	0.55	0.063	4
NAK15-205	Soil	1.0	29.6	2.9	68	<0.1	1031.6	61.8	928	5.60	1.9	0.9	0.5	16	0.2	0.2	<0.1	77	0.60	0.064	4
NAK15-206	Soil	0.7	32.3	2.6	87	<0.1	1232.4	111.3	1490	5.56	2.3	2.3	0.2	19	0.2	0.2	<0.1	49	0.53	0.131	3
NAK15-300	Soil	0.4	99.6	1.4	59	<0.1	687.5	64.5	883	5.67	1.0	7.4	0.4	28	0.2	<0.1	<0.1	78	0.91	0.031	3
NAK15-301	Soil	0.2	122.6	0.9	41	<0.1	407.7	65.2	797	4.37	0.6	4.5	0.3	23	<0.1	<0.1	<0.1	56	0.90	0.014	1
NAK15-302	Soil	0.4	155.5	1.7	58	<0.1	633.7	76.1	1236	5.99	1.3	4.5	0.4	21	0.2	<0.1	<0.1	98	0.74	0.040	3
NAK15-303	Soil	0.5	76.3	1.5	41	<0.1	1156.7	105.0	1163	5.61	1.2	3.4	0.5	10	<0.1	<0.1	<0.1	78	0.67	0.009	3
NAK15-304	Soil	0.4	161.9	1.3	45	<0.1	258.7	47.8	915	4.26	1.2	6.9	0.3	22	0.1	<0.1	<0.1	89	1.06	0.048	2
NAK15-305	Soil	0.2	109.2	0.8	58	<0.1	202.1	51.5	1014	5.91	0.9	9.4	0.1	19	<0.1	<0.1	<0.1	195	1.27	0.034	<1
NAK15-306	Soil	0.5	125.8	1.9	59	<0.1	200.4	44.5	1215	5.55	1.5	10.7	0.2	21	0.2	<0.1	<0.1	143	0.86	0.084	3

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.



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

Client: Imperial Metals Corporation

200 - 580 Hornby St.
Vancouver BC V6C 3B6 CANADA

Project: NAK

Report Date: September 10, 2015

Page: 2 of 2

Part: 2 of 2

CERTIFICATE OF ANALYSIS

SMI1500067.1

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	0.01	0.05	1	0.5	0.2	0.2
NAK15-001	Soil	551	8.12	80	0.057	7	2.55	0.008	0.04	<0.1	0.02	14.5	<0.1	<0.05	5	<0.5	<0.2	<0.2
NAK15-002	Soil	340	8.35	91	0.045	6	2.96	0.007	0.04	<0.1	0.04	9.2	<0.1	<0.05	5	<0.5	<0.2	<0.2
NAK15-003	Soil	435	7.91	66	0.026	6	2.89	0.007	0.03	<0.1	0.02	10.2	<0.1	<0.05	5	<0.5	<0.2	<0.2
NAK15-004	Soil	997	20.40	19	0.016	5	0.71	0.003	0.01	<0.1	<0.01	9.4	<0.1	0.08	1	<0.5	<0.2	<0.2
NAK15-005	Soil	1108	22.18	19	0.015	4	0.75	0.003	0.01	<0.1	0.01	9.6	<0.1	0.12	2	<0.5	<0.2	<0.2
NAK15-006	Soil	688	12.90	59	0.048	12	1.20	0.007	0.04	<0.1	0.04	8.7	<0.1	0.17	3	<0.5	<0.2	<0.2
NAK15-007	Soil	690	9.85	97	0.056	6	2.21	0.009	0.05	<0.1	0.02	11.2	<0.1	0.13	5	<0.5	<0.2	<0.2
NAK15-008	Soil	720	10.81	108	0.081	10	1.44	0.009	0.05	<0.1	0.02	11.1	<0.1	0.10	4	<0.5	<0.2	<0.2
NAK15-100	Soil	787	7.94	67	0.047	6	2.04	0.005	0.03	<0.1	0.02	16.8	<0.1	<0.05	4	<0.5	<0.2	<0.2
NAK15-101	Soil	411	6.79	105	0.084	7	3.11	0.012	0.09	<0.1	0.04	10.9	<0.1	0.06	6	<0.5	<0.2	<0.2
NAK15-102	Soil	333	4.51	36	0.055	3	3.63	0.007	0.05	<0.1	0.02	8.9	<0.1	<0.05	5	<0.5	<0.2	<0.2
NAK15-103	Soil	331	8.96	11	0.049	8	3.14	0.005	0.01	<0.1	<0.01	9.1	<0.1	<0.05	5	<0.5	<0.2	<0.2
NAK15-104	Soil	377	5.54	15	0.062	2	4.07	0.005	0.01	<0.1	0.02	8.6	<0.1	<0.05	6	<0.5	<0.2	<0.2
NAK15-105	Soil	432	6.48	34	0.077	3	4.86	0.006	0.02	<0.1	0.02	16.9	<0.1	<0.05	8	<0.5	<0.2	<0.2
NAK15-106	Soil	430	7.10	30	0.078	3	5.01	0.005	0.02	<0.1	0.03	15.8	<0.1	<0.05	8	<0.5	<0.2	<0.2
NAK15-107	Soil	351	4.92	36	0.109	3	4.22	0.008	0.02	<0.1	0.02	14.1	<0.1	<0.05	8	<0.5	<0.2	<0.2
NAK15-200	Soil	469	6.02	72	0.064	7	2.90	0.008	0.04	<0.1	0.04	12.4	<0.1	<0.05	5	0.6	<0.2	<0.2
NAK15-201	Soil	461	6.22	96	0.063	9	1.78	0.010	0.05	<0.1	0.05	9.5	<0.1	0.12	4	<0.5	<0.2	<0.2
NAK15-202	Soil	896	18.85	40	0.065	16	1.12	0.005	0.03	<0.1	0.02	10.2	<0.1	0.05	3	<0.5	<0.2	<0.2
NAK15-203	Soil	740	13.23	67	0.056	11	1.21	0.007	0.04	<0.1	0.03	9.3	<0.1	0.14	3	<0.5	<0.2	<0.2
NAK15-204	Soil	650	11.40	94	0.071	11	1.29	0.011	0.05	<0.1	0.04	10.3	<0.1	0.14	3	<0.5	<0.2	<0.2
NAK15-205	Soil	685	10.16	88	0.111	8	1.39	0.011	0.06	<0.1	0.03	12.2	<0.1	0.07	4	<0.5	<0.2	<0.2
NAK15-206	Soil	524	9.24	98	0.035	11	1.10	0.009	0.06	<0.1	0.07	8.4	<0.1	0.18	3	<0.5	<0.2	<0.2
NAK15-300	Soil	454	6.66	61	0.063	5	3.17	0.008	0.03	<0.1	0.03	13.7	<0.1	<0.05	6	<0.5	<0.2	<0.2
NAK15-301	Soil	320	6.68	34	0.056	3	3.68	0.009	0.03	<0.1	<0.01	8.6	<0.1	<0.05	5	<0.5	<0.2	<0.2
NAK15-302	Soil	522	8.65	50	0.079	5	3.48	0.007	0.03	<0.1	0.02	14.5	<0.1	<0.05	6	<0.5	<0.2	<0.2
NAK15-303	Soil	772	15.08	42	0.090	11	1.69	0.007	0.03	<0.1	0.03	12.3	<0.1	<0.05	4	<0.5	<0.2	<0.2
NAK15-304	Soil	449	5.10	35	0.075	4	3.74	0.008	0.04	<0.1	0.05	13.3	<0.1	<0.05	7	<0.5	<0.2	<0.2
NAK15-305	Soil	278	3.92	23	0.173	4	3.76	0.006	0.02	<0.1	0.03	13.8	<0.1	<0.05	8	<0.5	<0.2	<0.2
NAK15-306	Soil	399	3.90	47	0.091	3	3.78	0.007	0.02	<0.1	0.03	15.5	<0.1	0.06	9	<0.5	<0.2	<0.2



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

Client: Imperial Metals Corporation
200 - 580 Hornby St.
Vancouver BC V6C 3B6 CANADA

Project: NAK
Report Date: September 10, 2015

Page: 1 of 1

Part: 1 of 2

QUALITY CONTROL REPORT

SMI1500067.1

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	
Pulp Duplicates																					
NAK15-100	Soil	0.4	175.0	1.2	55	<0.1	1033.5	98.7	1208	5.92	1.9	6.9	0.3	16	0.3	<0.1	<0.1	73	0.90	0.024	3
REP NAK15-100	QC	0.4	173.2	1.2	52	<0.1	1017.8	98.1	1160	5.64	1.8	17.2	0.4	16	0.2	<0.1	<0.1	72	0.88	0.023	3
Reference Materials																					
STD DS10	Standard	15.6	167.0	156.5	385	2.0	81.8	14.2	921	2.89	47.8	142.2	8.1	72	2.8	10.3	13.1	48	1.10	0.075	20
STD OXC129	Standard	1.4	31.1	6.9	46	<0.1	85.3	20.8	453	3.15	0.6	198.5	2.1	198	<0.1	<0.1	<0.1	58	0.70	0.102	13
STD DS10 Expected		14.69	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	43.7	91.9	7.5	67.1	2.49	8.23	11.65	43	1.0625	0.073	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



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

Client: Imperial Metals Corporation
200 - 580 Hornby St.
Vancouver BC V6C 3B6 CANADA

Project: NAK
Report Date: September 10, 2015

Page: 1 of 1

Part: 2 of 2

QUALITY CONTROL REPORT

SMI1500067.1

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																	
NAK15-100	Soil	787	7.94	67	0.047	6	2.04	0.005	0.03	<0.1	0.02	16.8	<0.1	<0.05	4	<0.5	<0.2
REP NAK15-100	QC	760	7.90	66	0.044	5	1.98	0.005	0.03	<0.1	0.02	16.7	<0.1	<0.05	4	<0.5	<0.2
Reference Materials																	
STD DS10	Standard	58	0.84	366	0.094	8	1.05	0.072	0.34	3.5	0.30	3.1	5.3	0.33	4	2.3	5.1
STD OXC129	Standard	55	1.57	51	0.432	1	1.58	0.598	0.36	<0.1	<0.01	1.2	<0.1	<0.05	6	<0.5	<0.2
STD DS10 Expected		54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	0.3	2.8	5.1	0.29	4.3	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



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 & DESCRIPTIONS

2015 Geochemical Sampling - Soils

2015 Geochemical Sampling - Rocks

NAK Property: 2015 Geochemical Sampling / Soils

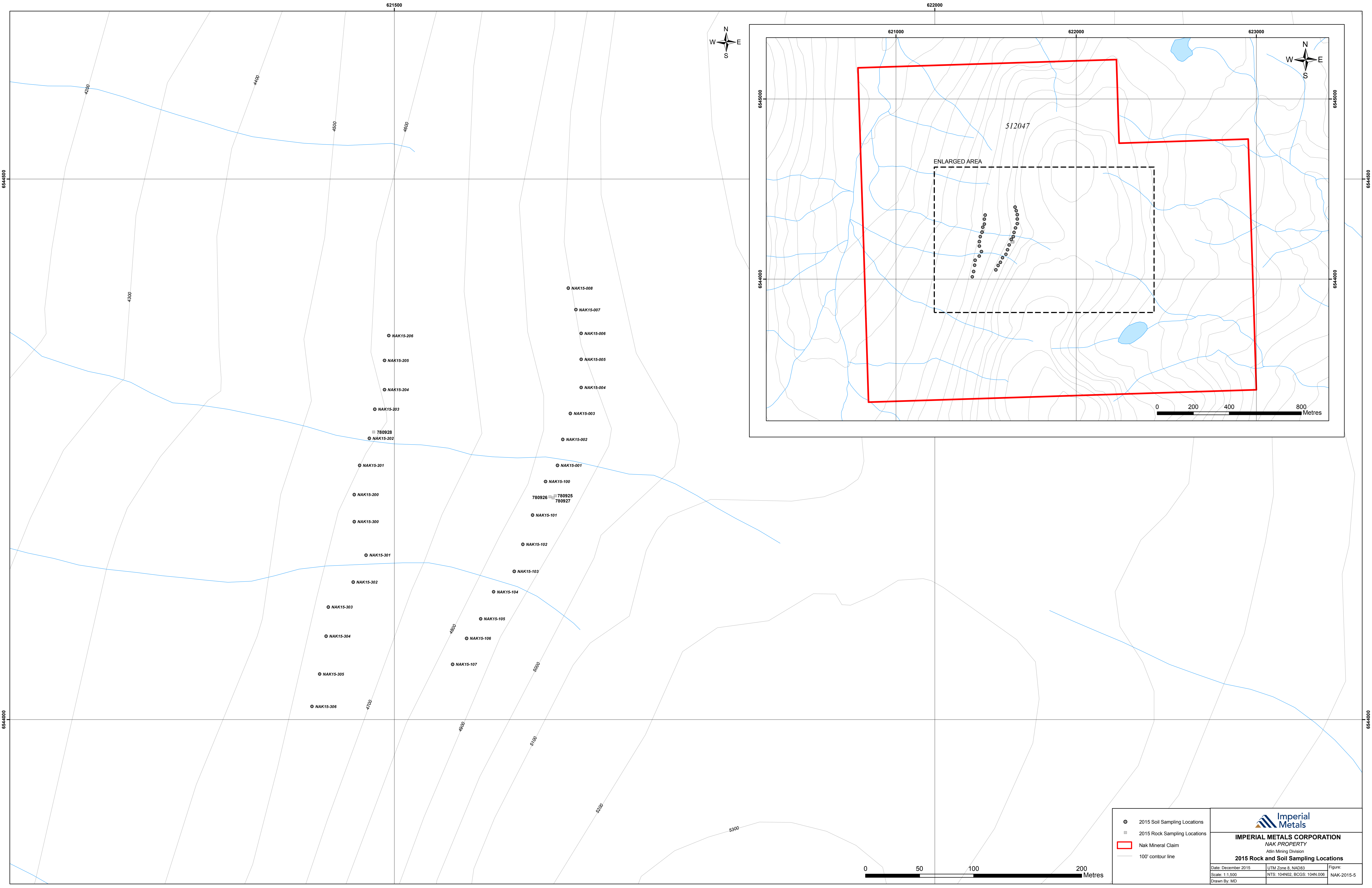
Sample Type	Sample ID	Sample Date	Sampler	Easting NAD83_08	Northing NAD83_08	Depth	Colour	Notes
B-Horizon	NAK15-001	31-Aug-15	BE	621651	6544235	0	BR	
B-Horizon	NAK15-002	31-Aug-15	BE	621656	6544259	0	BR	
B-Horizon	NAK15-003	31-Aug-15	BE	621663	6544283	0	BR	
B-Horizon	NAK15-004	31-Aug-15	BE	621673	6544307	0	BR	
B-Horizon	NAK15-005	31-Aug-15	BE	621673	6544333	0	BR	
B-Horizon	NAK15-006	31-Aug-15	BE	621673	6544357	5	DB	
B-Horizon	NAK15-007	31-Aug-15	BE	621668	6544379	0	DB	
B-Horizon	NAK15-008	31-Aug-15	BE	621661	6544399	0	DB	
B-Horizon	NAK15-100	31-Aug-15	TB	621640	6544220			
B-Horizon	NAK15-101	31-Aug-15	TB	621628	6544189			
B-Horizon	NAK15-102	31-Aug-15	TB	621619	6544162			
B-Horizon	NAK15-103	31-Aug-15	TB	621611	6544137			
B-Horizon	NAK15-104	31-Aug-15	TB	621592	6544118			
B-Horizon	NAK15-105	31-Aug-15	TB	621580	6544093			
B-Horizon	NAK15-106	31-Aug-15	TB	621567	6544075			
B-Horizon	NAK15-107	31-Aug-15	TB	621554	6544051			
B-Horizon	NAK15-200	31-Aug-15	BE	621463	6544208	3	DB	
B-Horizon	NAK15-201	31-Aug-15	BE	621468	6544235	2	DB	
B-Horizon	NAK15-202	31-Aug-15	BE	621477	6544260	0	GY	
B-Horizon	NAK15-203	31-Aug-15	BE	621482	6544287	3	DB	
B-Horizon	NAK15-204	31-Aug-15	BE	621491	6544305	0	DB	
B-Horizon	NAK15-205	31-Aug-15	BE	621491	6544332	3	DB	
B-Horizon	NAK15-206	31-Aug-15	BE	621495	6544355	3	DB	
B-Horizon	NAK15-300	31-Aug-15	TB	621463	6544183			
B-Horizon	NAK15-301	31-Aug-15	TB	621474	6544152			
B-Horizon	NAK15-302	31-Aug-15	TB	621462	6544127			
B-Horizon	NAK15-303	31-Aug-15	TB	621439	6544104			
B-Horizon	NAK15-304	31-Aug-15	TB	621437	6544077			
B-Horizon	NAK15-305	31-Aug-15	TB	621431	6544042			
B-Horizon	NAK15-306	31-Aug-15	TB	621424	6544012			

NAK Property: 2015 Geochemical Sampling / Rock

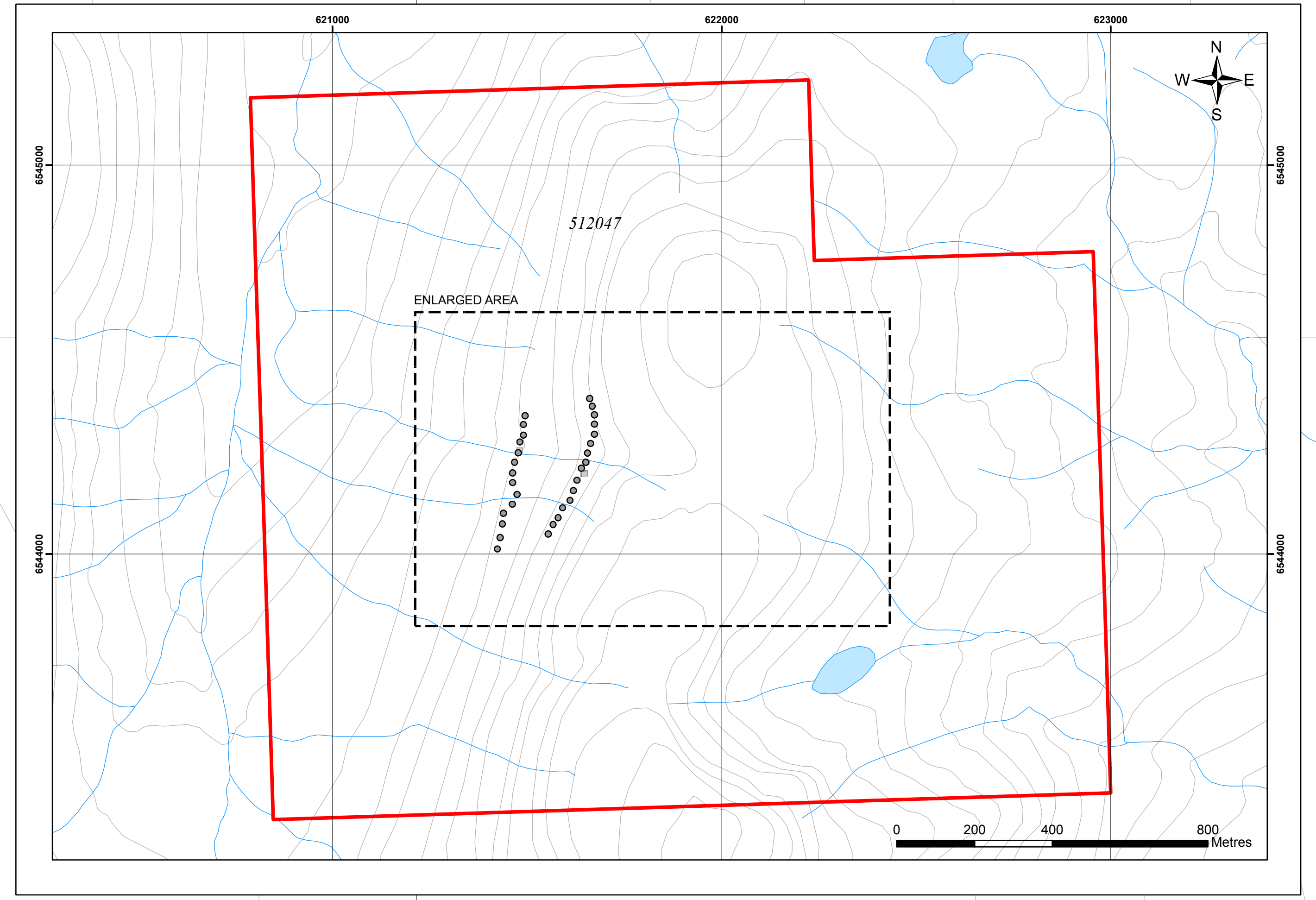
Sample Type	Sample ID	Sample Date	Sampler	Easting NAD83_08	Northing NAD83_08	Elevation	Lithology	Alteration, Minerization	Vein, Style,Texture	Description
RCK-OUT	780925	31-Aug-15	JMT	621649	6544207	1483	VQZ	adu	bot	Quartz-adularia vein hosted in ultramafic volcanics
RCK-OUT	780926	31-Aug-15	JMT	621644	6544206	1479	VQZ	adu	bot	Quartz-adularia vein hosted in ultramafic volcanics
RCK-OUT	780927	31-Aug-15	JMT	621647	6544205	1479	VQZ	adu	bot	Quartz-adularia vein hosted in ultramafic volcanics
RCK-OUT	780928	31-Aug-15	JMT	621481	6544266	1410	VQZ	adu	bot	Quartz-adularia vein hosted in ultramafic volcanics

SECTION F: ILLUSTRATIONS

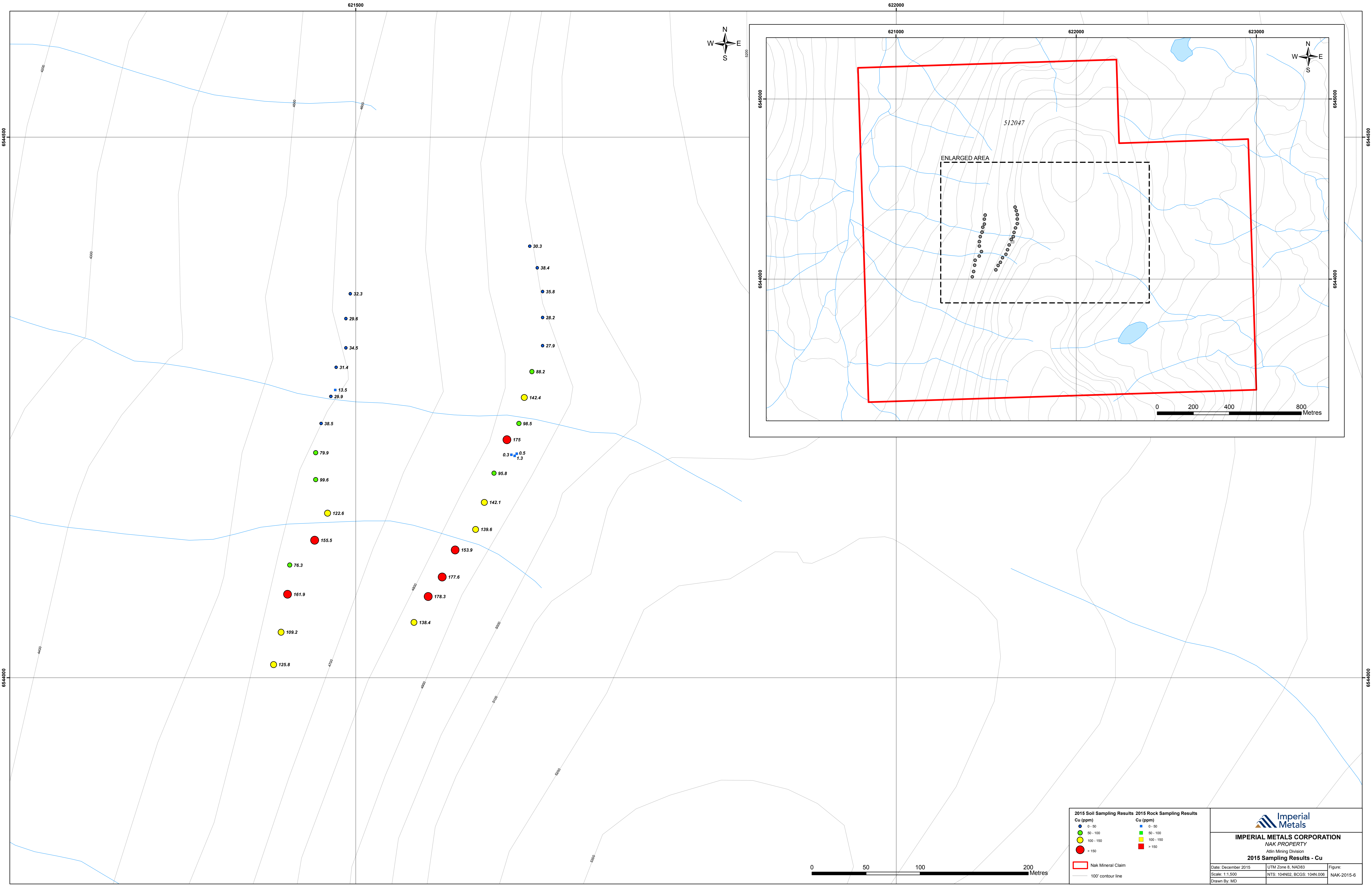
	Plan Number	Title	Scale
	NAK-2015-1 (after P.3)	BC Location Plan	1:8 000 000
	NAK-2015-2 (after P.3)	General Location Plan	1:400 000
	NAK-2015-3 (after P.3)	Mineral Tenure Plan	1:40 000
	NAK-2015-4 (after P.4)	Regional Geology	1:15 000
	NAK-2015-5 (in pocket)	2015 Soil and Rock Sampling Locations	1:1 500
	NAK-2015-6 (in pocket)	2015 Sampling Results - Cu	1:1 500
	NAK-2015-7 (in pocket)	2015 Sampling Results - Au	1:1 500



- NAK15-008
- NAK15-007
- NAK15-006
- NAK15-005
- NAK15-004
- NAK15-003
- NAK15-002
- NAK15-001
- NAK15-100
- 780926 ■ 780925
780927
- NAK15-101
- NAK15-102
- NAK15-103
- NAK15-104
- NAK15-105
- NAK15-106
- NAK15-107
- NAK15-206
- NAK15-205
- NAK15-204
- NAK15-203
- 780928 ■
- NAK15-202
- NAK15-201
- NAK15-200
- NAK15-300
- NAK15-301
- NAK15-302
- NAK15-303
- NAK15-304
- NAK15-305
- NAK15-306




<ul style="list-style-type: none"> ● 2015 Soil Sampling Locations ■ 2015 Rock Sampling Locations ▭ Nak Mineral Claim — 100' contour line 		
	IMPERIAL METALS CORPORATION NAK PROPERTY Atlin Mining Division	
	2015 Rock and Soil Sampling Locations	
	Date: December 2015 Scale: 1:1,500 Drawn By: MD	UTM Zone 8, NAD83 NTS: 104N02, BCGS: 104N 006



2015 Soil Sampling Results		2015 Rock Sampling Results	
● 0 - 50	● 50 - 100	■ 0 - 50	■ 50 - 100
● 100 - 150	● > 150	■ 100 - 150	■ > 150

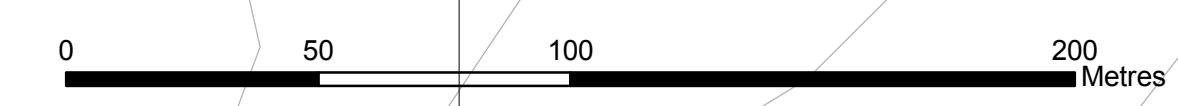
Nak Mineral Claim
— 100' contour line

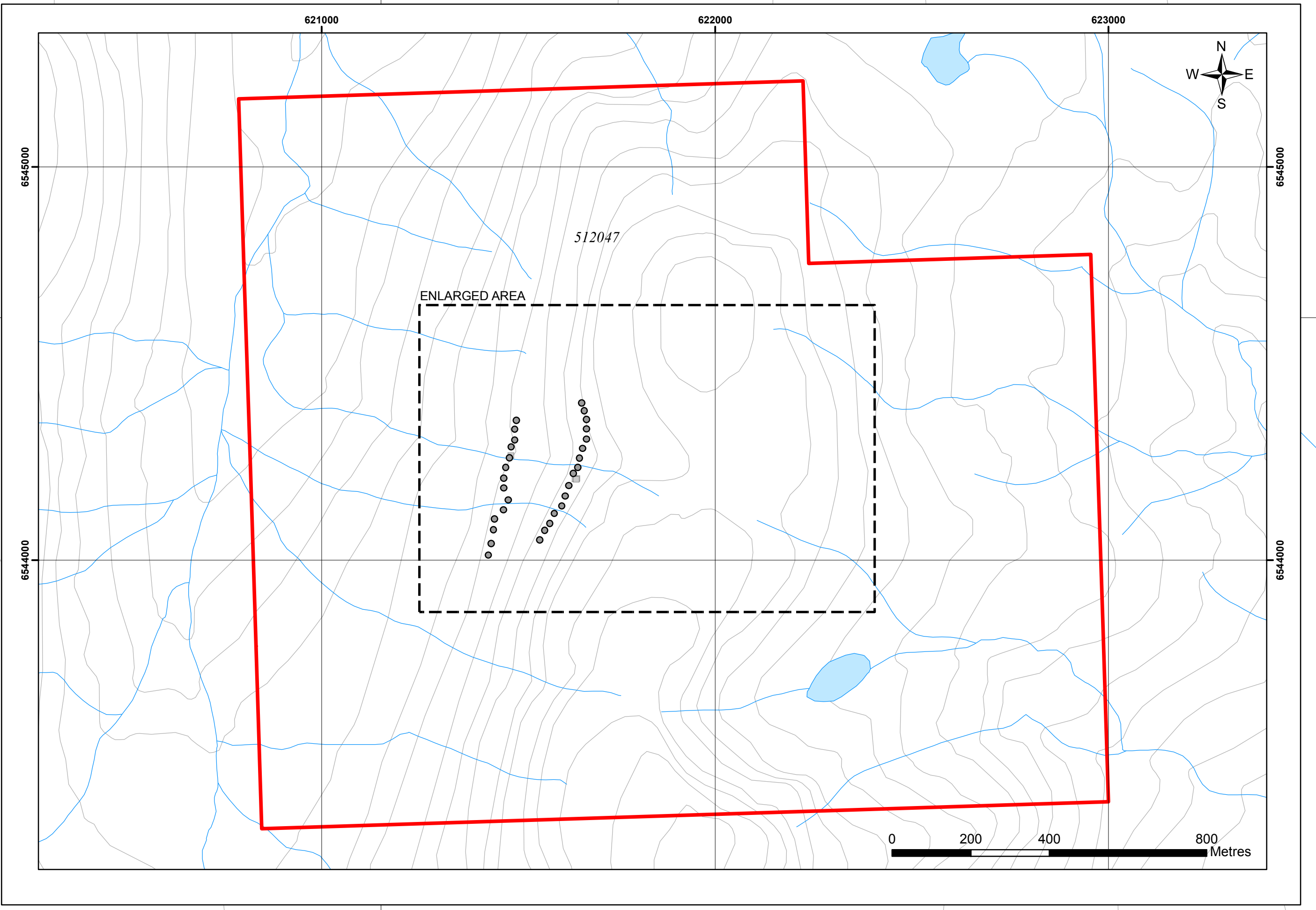
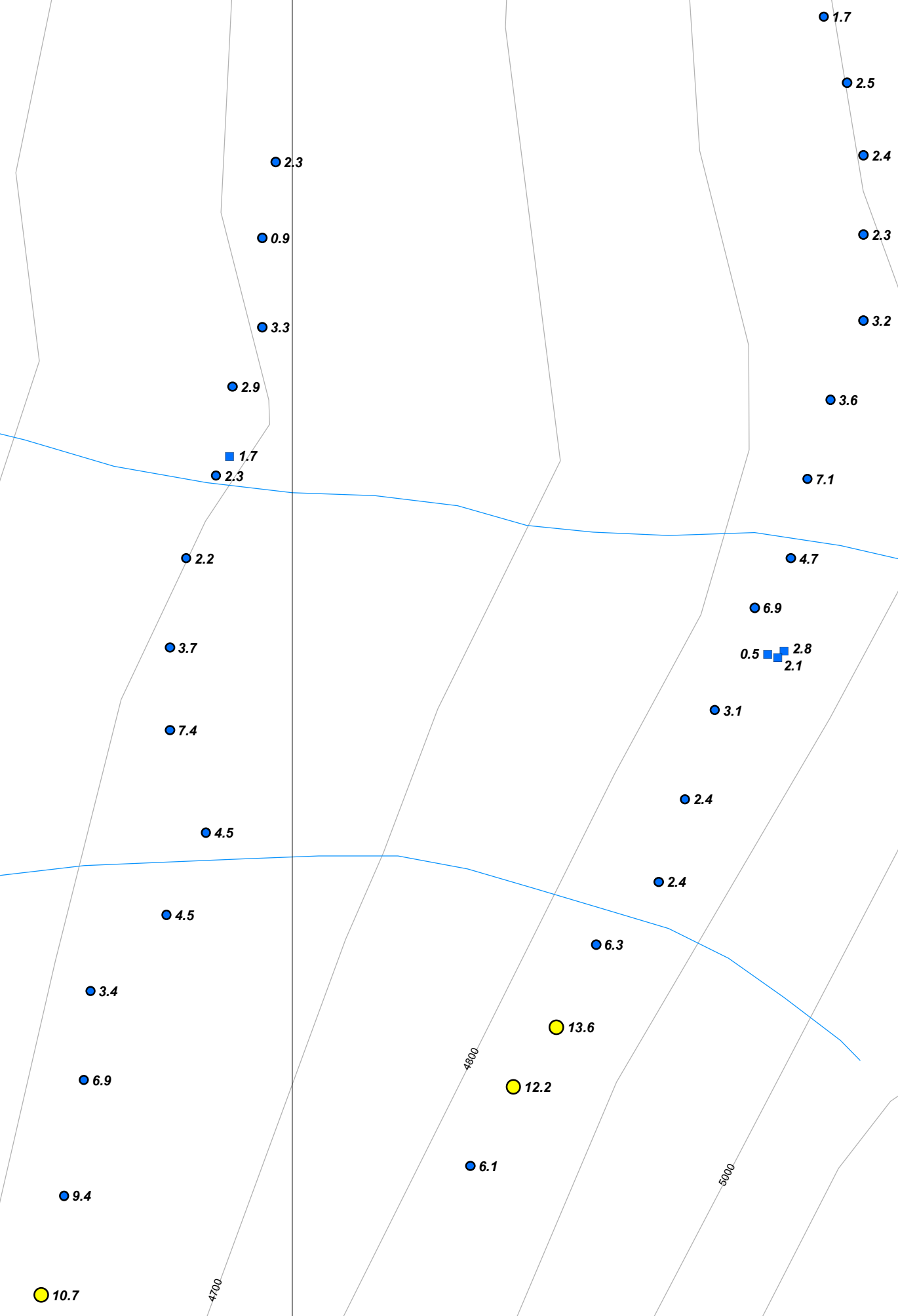
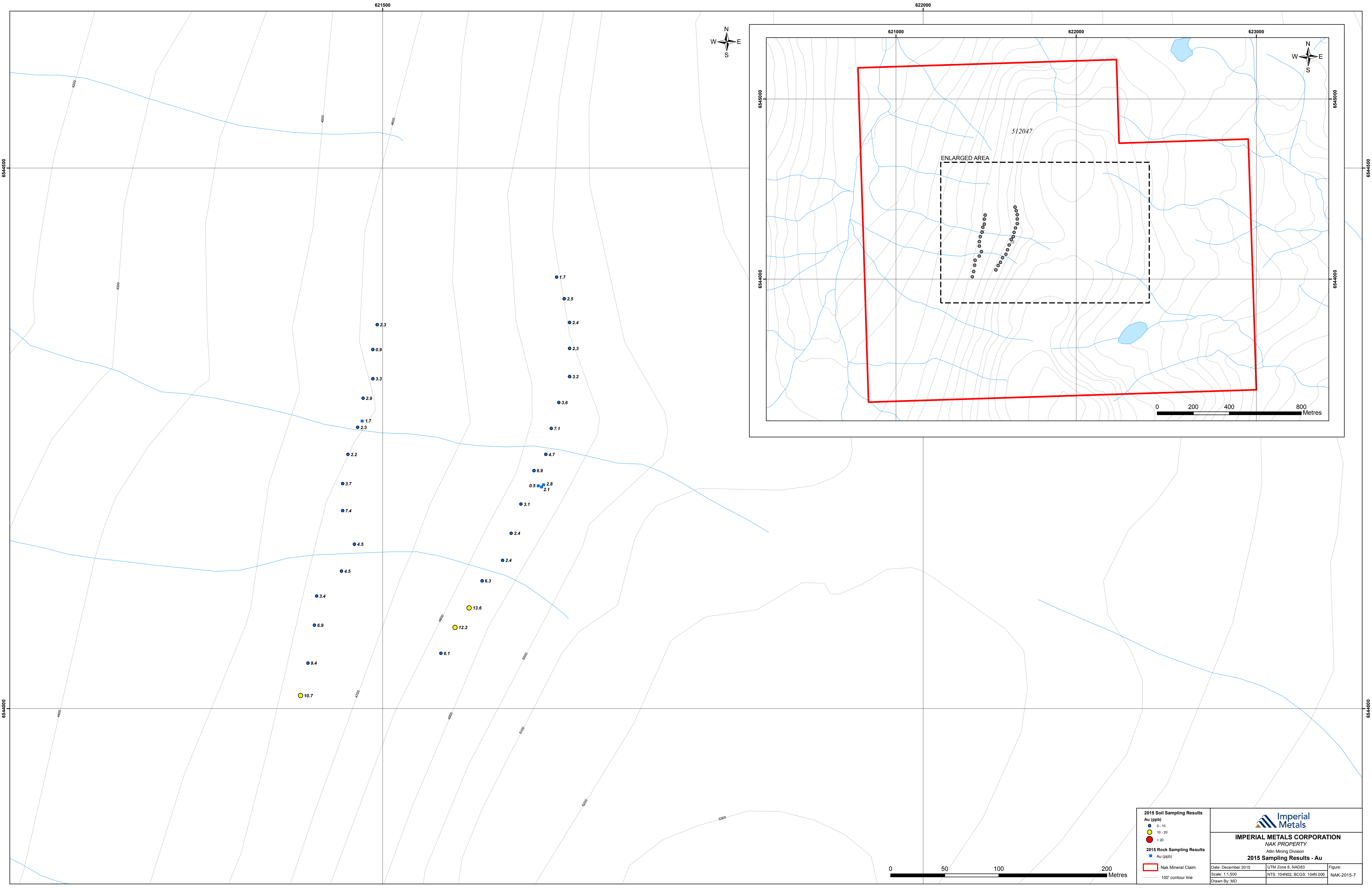


IMPERIAL METALS CORPORATION
 NAK PROPERTY
 Atlin Mining Division

2015 Sampling Results - Cu

Date: December 2015	UTM Zone 8, NAD83	Figure:
Scale: 1:1,500	NTS: 104N02, BCGS: 104N.008	NAK-2015-6
Drawn By: MD		





2015 Soil Sampling Results Au (ppb) ● 0-10 ● 10-20 ● > 20		 IMPERIAL METALS CORPORATION NAK PROPERTY Atlin Mining Division 2015 Sampling Results - Au	Date: December 2015 Scale: 1:1,500 Drawn By: MD	UTM Zone 8, NAD83 NTS: 104N02, BCGS: 104N 008 NAK-2015-7	Figure:
2015 Rock Sampling Results ■ Au (ppb)			■ Nak Mineral Claim — 100' contour line		

