NxGOLD LTD.

TECHNICAL REPORT
ON THE
PETER LAKE PROJECT

KIVALLIQ REGION
NUNAVUT, CANADA

Prepared by: Jim Cuttle, B.Sc., P.Geo.
86 Cloudburst Road
Whistler, B.C. CANADA

Effective Date: January 10, 2017

Contents

Figures

Tables

Photos

CERTIFICATE OF QUALIFIED PERSON

I, Jim Cuttle, of the Municipality of Whistler, British Columbia, Canada, do certify that;

1. I am a consulting geologist with an address at 86 Cloudburst Road, Black Tusk Village, Whistler, British Columbia, Canada V0N-1B1.
2. I am a graduate of the University of New Brunswick (1980) with a Bachelor of Science Degree in Geology.
3. I have practiced as an exploration and consulting geologist continuously for over 36 years. I have experience with project generation, mineral property assessment, project management and data compilation for various public and private mineral exploration companies in Canada and internationally. I specialize in precious and base metal exploration and have experience in different styles and models of gold mineralization, including the types that may be found on the Peter Lake property.
4. I have been a registered member in good standing of the Association of Professional Engineers and Geoscientists of the Province of British Columbia (registration number 19313), since July 1992.
5. I have read the definition of “qualified person” set out in National Instrument 43-101 – *Disclosure Standards for Mineral Projects* (“NI 43-101”) and certify that because of my education, past relevant work experience, and affiliation with a professional organization I am a “qualified person” as defined in NI 43-101 prepared for NxGold Ltd. (“NxGold”)
6. I am responsible for all parts of the report titled “Technical Report on the Peter Lake Project, Kivalliq Region, Nunavut, Canada” having an effective date of January 10, 2017 (the “Technical Report”).
7. I have read NI 43-101 and this Technical Report, and the Technical Report has been prepared in compliance with NI 43-101.
8. I am independent of NxGold and Meliadine Gold Ltd., in each case as described in Section 1.5 of NI 43 - 101.
9. I have previously been involved with the property the subject of the Technical Report as a consulting geologist for Meliadine Gold Ltd. I made on-site visits and assisted with work campaigns from September 12th to September 15th, 2009, July 11th to July 17th, 2013, July 31st to August 6th, 2014, July 8th to July 15th, 2015, July 14th to July 24th, 2016 and September 9th to September 10th, 2016.
10. My most recent personal inspection of the property the subject of the Technical Report was September 9th to September 10th, 2016.
11. As of the effective date of the Technical Report, to the best of my knowledge, information and belief, the Technical Report contains all scientific and technical information that is required to be disclosed to make the Technical Report not misleading.

Dated this 19th day of January, 2017

(Signed) *“Jim F. Cuttle”*

Jim F. Cuttle, B.Sc., P. Geo.

1. SUMMARY

1.1 Property Description

The Peter Lake Property (the "Property") is located 40 kilometres northwest of Rankin Inlet, Nunavut between Meliadine Lake and Peter Lake and centered at latitude 63° 06' 30"N, longitude 92° 31' 26"W, on topographic map 55N/1 and 55N/2. The Property consists of mineral exploration rights under Inuit Owned Lands Mineral Exploration Agreement RI12-001 dated October 1, 2010 with Nunavut Tunngavik Incorporated ("NTI"), covering an area of 4,174 hectares, excluding the area under part of the Meliadine River that is Crown land. Application has been made to NTI to expand the area to 10,670 hectares, excluding any Crown minerals.

1.2 Ownership

NxGold Ltd. (formerly Lancaster Capital Corp.) ("NXG") is party to an earn-in agreement with Meliadine Gold Ltd. ("Meliadine" or "MGL") dated October 25, 2016, pursuant to which NxGold has the exclusive right to earn up to a 70 percent interest in the Peter Lake Property by, among other things, making certain expenditures on the Property.

1.3 Geology and Mineralization

Three geological models are valid concepts for potential mineralization on the Peter Lake Property: (1) Greenstone hosted Quartz Carbonate vein hosted gold; (2) Iron formation/shear hosted gold; and (3) komatiite or ultramafic intrusion hosted copper-nickel-PGE deposits.

The first model is considered a main source of gold from the Superior and Slave provinces in Canada, as evidenced by the Timmins – Val D'or and Red Lake camps. The other models are supported by examples of advanced projects and past producing mines found in the Rankin Inlet greenstone belt (Tiriganiaq gold deposit at Meliadine Lake – Iron Formation, and Rankin Nickel Mine – copper-nickel-PGE).

The Property is believed to be cut in two by the large Dickson-Pyke fault, separating a regionally folded package of volcanic and meta-sedimentary rocks termed the 'Eastern Fold Structure'(EFS) on the east from locally carbonatized and magnetically altered amphibolite, gneiss and granitoids of the 'Western Magnetic Linears' (WML) on the west.

In 2015 and 2016 several gold rich quartz rich boulders and smaller quartz vein stock-work float material were discovered in three broad zones along the hinge and limbs of the 'Eastern Fold Structure'. In the 'Western Magnetic Linears' area several metre scale amphibolite float boulders with pitted pervasive carbonate alteration, gold rich quartz veining, quartz/calcite/magnetite alteration including local zones of ankerite, sericite and biotite were located. Both the EFS and the WML areas contain assays from quartz vein surface float material of 38 and 451 grams per tonne gold, respectively.

The EFS is interpreted to trend north northwest over 8 kilometres through the eastern portion of the Property where this broad fold structure is likely cut by a thrust fault near the northern claim boundary. The structural interpretation is supported by weak to moderate trends in the airborne magnetic data. In 2015 and 2016 several gold rich quartz rich boulders and smaller quartz vein stock-work float were discovered in three separate zones called the “Hinge”, “RB”, and “GD” zones, all of which lie along and within the hinge and limbs of the EFS. Nine of the twenty angular quartz vein float samples collected in these zones assay greater than 1 gram per tonne gold with local highs of 16.8 and 38 grams per tonne gold. Host rocks to the mineralized gold quartz veins are commonly non-magnetic and vary in composition from mafic to intermediate metavolcanics, ortho and paragneiss and granitic to diorite gneiss. The mineralized boulders are angular suggesting a local source. Minor pyrite is common with traces galena, sphalerite and pyrrhotite.

The WML is an area directly west of the Dickson-Pyke break where detailed airborne magnetics identify a series of strong magnetic high lineaments. These magnetic features begin near the northwest trending Dickson-Pyke fault and splay outwards towards the west-northwest forming a network of parallel to sub-parallel magnetic high features. The lineaments vary from 1 to 4 kilometres in length, are commonly less than 100 metres wide and occur over an area of approximately 50 square kilometres. Along these magnetic high trends, metre scale altered amphibolite float boulders have been located suggesting broad haloes of pitted pervasive carbonate alteration with local gold rich quartz vein boulders, quartz/calcite/magnetite alteration, and zones of ankerite, sericite and biotite. Fifteen of the fifty-one angular quartz float rock samples collected from these zones in the WML assay greater than 1 gram per tonne gold with highs of 27, 65, and 451 grams/tonne gold. Gold is associated with clean hard angular quartz boulders with minor chalcopyrite, galena, sphalerite and accessory sericite, tourmaline, pyrrhotite, biotite, calcite, ankerite and albite. These new discoveries are locally named the “Island”, “RIL”, and “282” zones.

Area	Zones	Gold, grams / tonne	Sample #	Year located
EFS	Hinge	16.85	671962	2016
EFS	RB	15.15	671954	2016
EFS	GD	8.7	660226	2016
WML	282	282	660228	2015
WML	RIL	27.7	JC-33	2016

WML	Island	451	671965	2016

Table 1: Selected examples of rock sample assays from the "Eastern Fold Structure" and the "Western Magnetic Linears" Areas

All zones are new discoveries and to date have received little if any detailed geological work other than prospecting and rock sampling.

1.4 Status of Exploration

Meliadine commenced exploration on the Property in 2009 and since then has completed the following exploration and collected the following field data.

Type	Year
311 Rock assays	2009, 11, 13-16
250 Till samples / gold grain count	2009, 11, 13, 14, 16
232 Till samples / ICP MS analysis	2009, 11, 13 and 14
Geological mapping – 80 sq. kms	2009 to 2016
241 kms Airborne – Mag/EM (AeroTEM)	2010, Sept
Airborne Interpretation	2011, Feb
Ground HL-EM, 5 small grids	2011, Apr-May
Gravity / ground mag (minor)	2011, Apr-May
1331.15 metres NQ drilling, 7 holes	2012, May-June
Petrographic Studies	2016, Aug

Table 2: Field work by Meliadine Gold Ltd., 2009 to 2016

1.5 Conclusions and Recommendations

The Property contains two newly discovered gold rich areas on the east and west sections of the claim block separated by the Dickson-Pyke fault. These areas are broadly known as the Eastern Fold Structure (EFS) and the Western Magnetic Linears (WML) and contain assays from surface quartz float material of 38 and 451 grams per tonne gold, respectively. The quartz occurs as small veins or veinlets, at times as networks with local pitted zones of weathered pyrite or as clean hard quartz veining within and surrounded by boulders pitted with pervasive carbonate alteration, quartz/calcite/magnetite alteration including local zones of ankerite, sericite and biotite.

The fold hinge and limbs of the EFS are best defined with air-magnetic data from the GSC (2012), airborne resistivity from MGL (2011) and from regional bedding measurements in outcrop off to the southeast of the Property. Although little outcrop occurs on the Property, gold is believed associated with portions of the hinge and limbs of this 8-kilometre-long fold structure.

At the WML gold occurs intermittently along a series of magnetic high linears that vary from 1 to 4 kilometres in length. The linears are commonly less than 100 metres wide and occur over an area of approximately 50 square kilometres. They splay off to the west northwest from the Dickson-Pyke fault and form a distinct network of parallel to sub-parallel features. Gold is believed to be associated with these magnetic linears and has been found to occur in hard clean quartz commonly surrounded by pitted and pervasive carbonate and magnetite altered amphibolite float boulders.

Till sampling by MGL has been instrumental in isolating several highly anomalous 'pristine' gold grain anomalies both east and west of the Dickson-Pyke fault, suggesting their glacial movement from source to be within 1 kilometre or less. Many of these 'gold grain in till' anomalies have not been investigated and prospected in detail, particularly along the fold limbs of the EFS.

A large 4 kilometre by 2.5-kilometre gravity high anomaly located in the eastern section of the Property suggests a possible buried ultramafic intrusive plug or sill. An anomalous till geochemical anomaly of copper-nickel occurs along the southern boundary of this gravity anomaly and remains unexplained.

Further to the merits of the Property, the author does not see any significant risks that could affect the confidence of the exploration information and considers this property a Property of Merit.

A recommended budget of CAD$ 1.3 million is proposed for the first phase of exploration at the Peter Lake Property. This first Phase is to consist of rock sampling, mapping, and prospecting and a 2,000 metre NQ size core drilling program. Drill testing would start at the RIL and RB zones followed by other targets identified from the field program.

Conditional on positive results of the Phase 1 exploration program, a Phase 2 exploration program is also recommended consisting of 5,000 metres of NQ size core drilling with a budget of CAD$ 3.25 million.

2. INTRODUCTION

2.1 Issuer for Whom Report Was Prepared

This Technical Report has been prepared for NxGold Ltd. (formerly, Lancaster Capital Corp.) ("NXG" or "NxGold") in connection with the execution by NXG of an earn-in agreement dated October 25, 2016 pursuant to which NxGold has the exclusive right to earn up to a 70% interest in the Peter Lake Property by making certain expenditures on the Property (the "Earn-In Agreement").

2.2 Terms of Reference and Purpose

This report has been prepared in support of an application by NXG for approval of the TSX Venture Exchange to its execution and delivery of the Earn-In Agreement and the acquisition by NXG of an interest in the Property pursuant to, and subject to, the terms of the Earn-In Agreement.

2.3 Sources of Information and Personal Inspection

The author worked on the Property from September 12th to September 15th, 2009, July 11th to July 17th, 2013, July 31st to August 6th, 2014, July 8th to July 15th, 2015, July 14th to July 24th, 2016 and September 9 to September 10th, 2016. At that time, the author assisted with till sampling and rock sampling, prospecting, geological mapping, and an overall interpretation of results. The sources of information and data used in the Technical Report are listed in Section 19.

Digital data provided by Meliadine was used to produce all maps and figures in this report. Other digital information was obtained from Federal and Territorial Government sources. The maps used in this Technical Report are referenced using UTM Nad83 (Zone 15) or Nad83 Longitude / Latitude projections and units of measurement in this report are metric, unless otherwise stated.

3. RELIANCE ON OTHER EXPERTS

Not applicable.

4. PROPERTY DESCRIPTION AND LOCATION

4.1 Property Location

The Property is located 40 kilometres northwest of Rankin Inlet, Nunavut between Meliadine Lake and Peter Lake centered at 523690E, 6998160N (UTM NAD 83, Zone15) on 1: 50,000 NTS maps 55N/1 and 55N/2 and covers an area of 4,174 hectares.

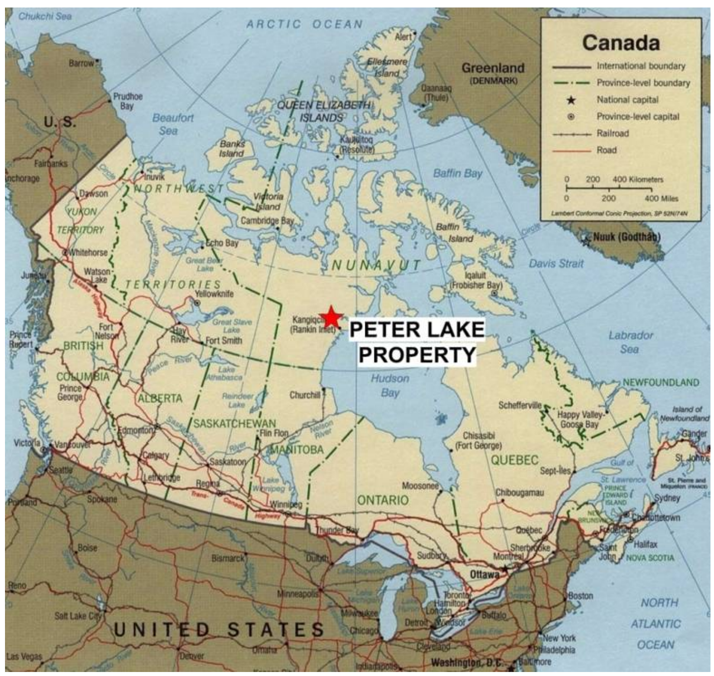


Figure 1: Canadian Location Map

4.2 Type of Mineral Tenure

The Property is on a portion of Inuit Owned Land Parcel RI-12 ("IOL Parcel RI-12"), which means the minerals are owned by the Inuit under the Nunavut Agreement and are administered directly by Nunavut Tunngavik Incorporated ("**NTI**"). Meliadine has the exclusive right to explore for minerals on the area of IOL Parcel RI-12 pursuant to Mineral Exploration Agreement RI12-001 Peter Lake, dated October 1, 2010 between Meliadine and NTI (the "MEA").

It is a term of the Earn-In Agreement that title to the Property be transferred NxGold, as operator.

Under the terms of the MEA, Meliadine may assign the agreement to NxGold with the consent of NTI, not to be unreasonably withheld. As a condition of such assignment NxGold must agree, among other things, to assume and perform all the obligations of Meliadine under the MEA existing at the time of or arising after the date of the assignment or transfer, and to cure any defaults with respect to any terms and conditions of the MEA or of any applicable surface right.

This MEA covers an area of 4,174 hectares, excluding any Crown minerals, bound by the following 5 corner points as Longitude / Latitude (NAD83) in decimal degrees. The southern boundary runs along the edge of the surveyed mineral leases of Agnico Eagle.

Corner	Longitude	Latitude
1	-92.6333	63.15
2	-92.5	63.15
3	-92.5	63.0921
4	-92.6047	63.0834
5	-92.6333	63.0833

Table 3 Corner Points - Agreement RI-12-001.

A new application was submitted by Meliadine in August 2016 with the following corner points. The new application adjoins directly west of the area covered by the MEA and is under review for approval. The existing area covered by the MEA and the area of the new application together will cover an area of 10,670 hectares, excluding any Crown minerals. The new application if approved is subject to the Earn-In Agreement.

Corner	Longitude	Latitude
1	-92.7389	63.1583
2	-92.6819	63.1583
3	-92.6819	63.1692
4	-92.6	63.1692
5	-92.6	63.1606
6	-92.5667	63.1606
7	-92.5667	63.15
8	-92.6333	63.15
9	-92.6333	63.0833
10	-92.6047	63.0834
11	-92.7389	63.0654

Table 4 Corner Points - new application

The MEA has a term of one year commencing October 1, 2010 and renews for consecutive one year renewal periods to a maximum of twenty years including the initial term. The annual fees due to NTI under the MEA and the annual work commitments increase over time in accordance with the following table.

YEARS	$ / HECTARE/YEAR
1	1.00
2-5	2.00
6-10	3.00
11-15	4.00
16-20	5.00

Table 5: Annual fees to NTI under the Mineral Exploration Agreement

YEARS	$ / HECTARE/YEAR
1-2	5.00
3-5	10.00
6-10	20.00
11-15	30.00
16-20	40.00

Table 6 Annual exploration work commitments under the Mineral Exploration Agreement

Annual fees are due on or before each anniversary date of the MEA and annual work reports are due within 90 days of the anniversary date of the MEA.

4.3 Option Agreement

NXG's interest in the Property, is derived from the Earn-In Agreement. Pursuant to the Earn-In Agreement, NXG has the exclusive right to earn an initial undivided 50% interest in the Property upon: (i) incurring an aggregate of $10-million in expenditures on the Property by the third anniversary of the Effective Date of the agreement (allocated as $1-million on the first anniversary, an additional $4-million on the second anniversary and an additional $5-million by the third anniversary of the Effective Date), and (ii) paying $75,000 in cash on each of the Effective Date, and the first, second and third anniversary of the Effective Date.

Upon earning a 50% interest in the Property, NXG has the exclusive right to earn an additional undivided 20% interest in the Property, thereby increasing its interest in the Property to 70%, upon:

1. Incurring a minimum of $2-million in expenditures on the Property in the year ending on the fourth anniversary of the Effective Date;
2. Incurring an additional $3-million in expenditures on the Property in the year ending on the fifth anniversary of the Effective Date;

3. Incurring an additional $5-million in expenditures on the Property in the year ending on the sixth anniversary of the Effective Date;
4. Incurring an additional $15-million in expenditures on the Property in the year ending on the seventh anniversary of the Effective Date;
5. Preparing and delivering to Meliadine a bankable feasibility study (a "BFS") by the seventh anniversary date of the Effective Date;
6. Paying $75,000 in cash on each of the Effective Date, and on the fourth, fifth, sixth and seventh anniversary date of the Effective Date.

For the purposes of the Earn-In Agreement, the Effective Date will be the date all required regulatory approvals are received.

NXG has the right, to satisfy its obligation to incur any of the expenditures required by the first earn-in option or second earn-in option, by paying or delivering to Meliadine an equivalent amount in cash or common shares of NXG.

Pursuant to the Earn-In Agreement, NXG may elect to extend the delivery date of the BFS for a maximum of three years in consideration for payment to Meliadine of $2.5 million in cash for each additional one-year extension. NXG is also entitled, at any time after exercise of the first earn-in option and for no additional consideration, to extend the time for payment of any of the expenditure requirements in respect of the second earn-in option by up to one year.

NXG shall be appointed as exclusive operator of the project and shall remain as operator unless it fails to exercise the second earn-in option.

Upon NXG earning either a 50% interest in the Property and terminating the agreement, or earning a 70% interest in the Property, the parties shall be deemed to have formed a joint venture pursuant to which both parties will contribute their proportionate share of future expenditures. Upon either party reducing its interest to 15% in the joint venture, such interest shall be converted to a 2.5% net smelter return royalty.

4.4 Royalties

The Property is subject to a 1% net smelter returns royalty held by TTL Ventures Ltd. and a 12% net profit interest royalty held by NTI pursuant to the MEA. The author is not aware of any other royalties, back-in rights, payments or other agreements and encumbrances to which the Property is subject.

4.5 Surface Rights

The surface of the Property is owned by the Inuit under the Nunavut Agreement and is administered by the Kivalliq Inuit Association ("**KivIA**"). Meliadine has surface rights pursuant to two licences issued by KivIA, allowing access, and use of the surface: KVL311B01 and KVRW12E01. The first (KVL311B01) is a class 3 licence allowing the use of the surface for mineral exploration, and the second (KVRW12E01) is a right of way licence to provide access to the Property by overland transport. Meliadine has posted security in the amount of $35,000 with KivIA in respect of these two licences. Both licences are in force at the time of this report.

The licences are non-transferable and NXG must either apply for its own surface licences from KivIA or it must do work as the operator/ contractor under Meliadine's licence with Meliadine's agreement.

4.6 Environmental Liabilities and Permitting

The Property is in an area that is regulated in accordance with the Nunavut Agreement, and is subject to the *Nunavut Planning and Project Assessment Act* (Canada) which sets out certain requirements and timeframes for the project assessment process. It is expected that to undertake the desired program of exploration on the Property, a proposal must be submitted to the Nunavut Planning Commission. The Property is in an area where the Keewatin Land Use Plan applies, and therefore the Nunavut Planning Commission will determine whether the proposal is in conformity with that land use plan. If a positive conformity determination is made, the Commission will refer the proposal to the Nunavut Impact Review Board for a screening.

During the screening process the Nunavut Impact Review Board will circulate the proposal to the relevant communities and organizations for public comment, and assesses the anticipated environmental and socio-economic impacts of the proposal. Based on this screening the Board will then submit a report with its recommendation to the responsible Minister as to whether the project may proceed directly to permitting, whether it instead requires a full review process by the Board, or whether the project should be modified or abandoned. If the Board recommends that the project proceed to permitting, it may recommend specific terms and conditions to apply. If the Minister agrees, then the project may proceed with the water licence application process and applications for any other government authorizations that may be required.

In the case of the anticipated mineral exploration program at the Property, it is expected that the project will require a Type B water licence from the Nunavut Water Board.

The proposed exploration program has not yet been submitted to the Nunavut Impact Review Board and a Type B water licence has not yet been obtained by NXG.

There are no known environmental liabilities to which the Property is subject.

The author is not aware of any other significant factors and risks that may affect access, title, or the right or ability to perform work on the Property.

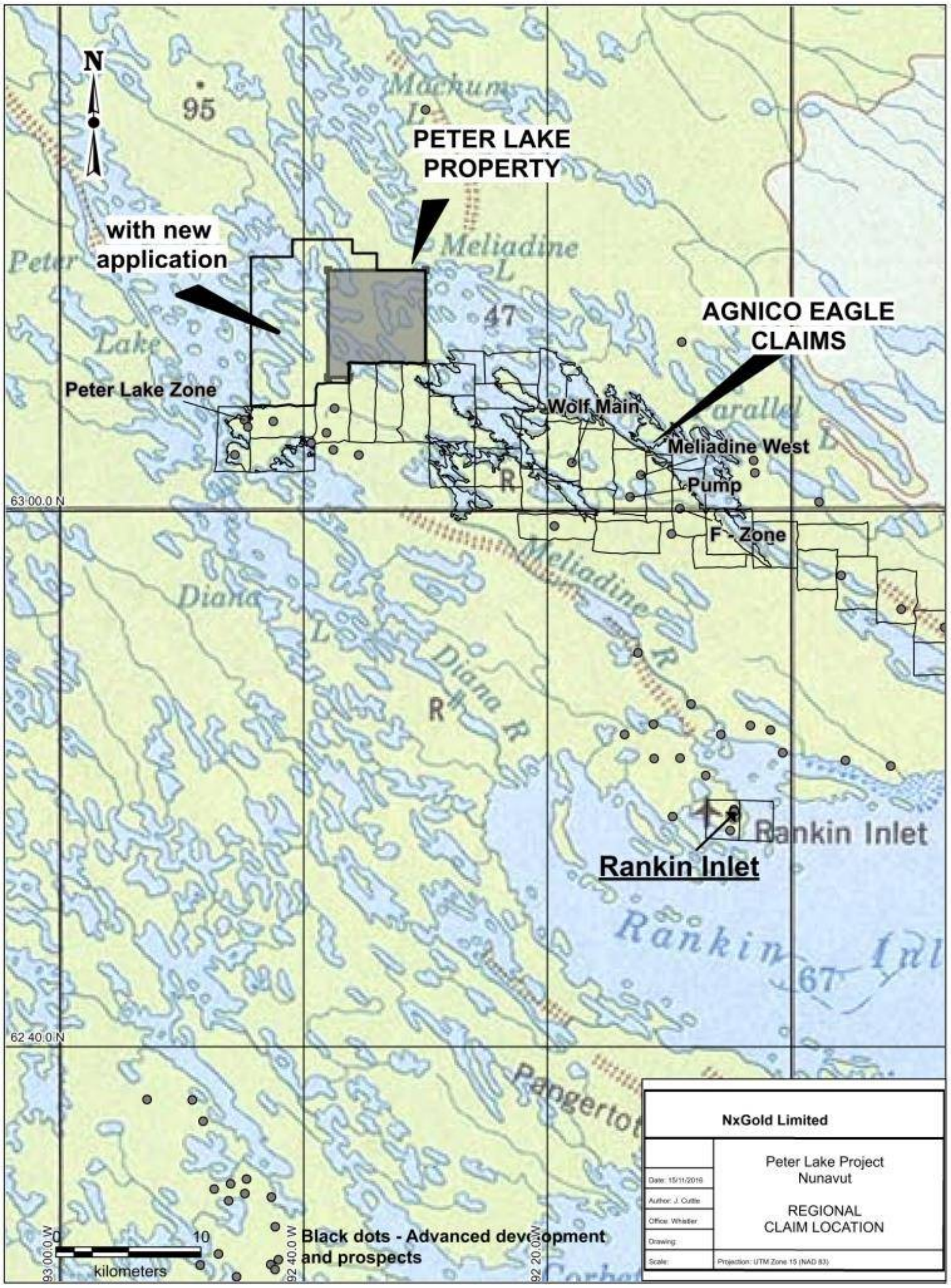


Figure 2: Regional Nunavut Location Map – Peter Lake Property

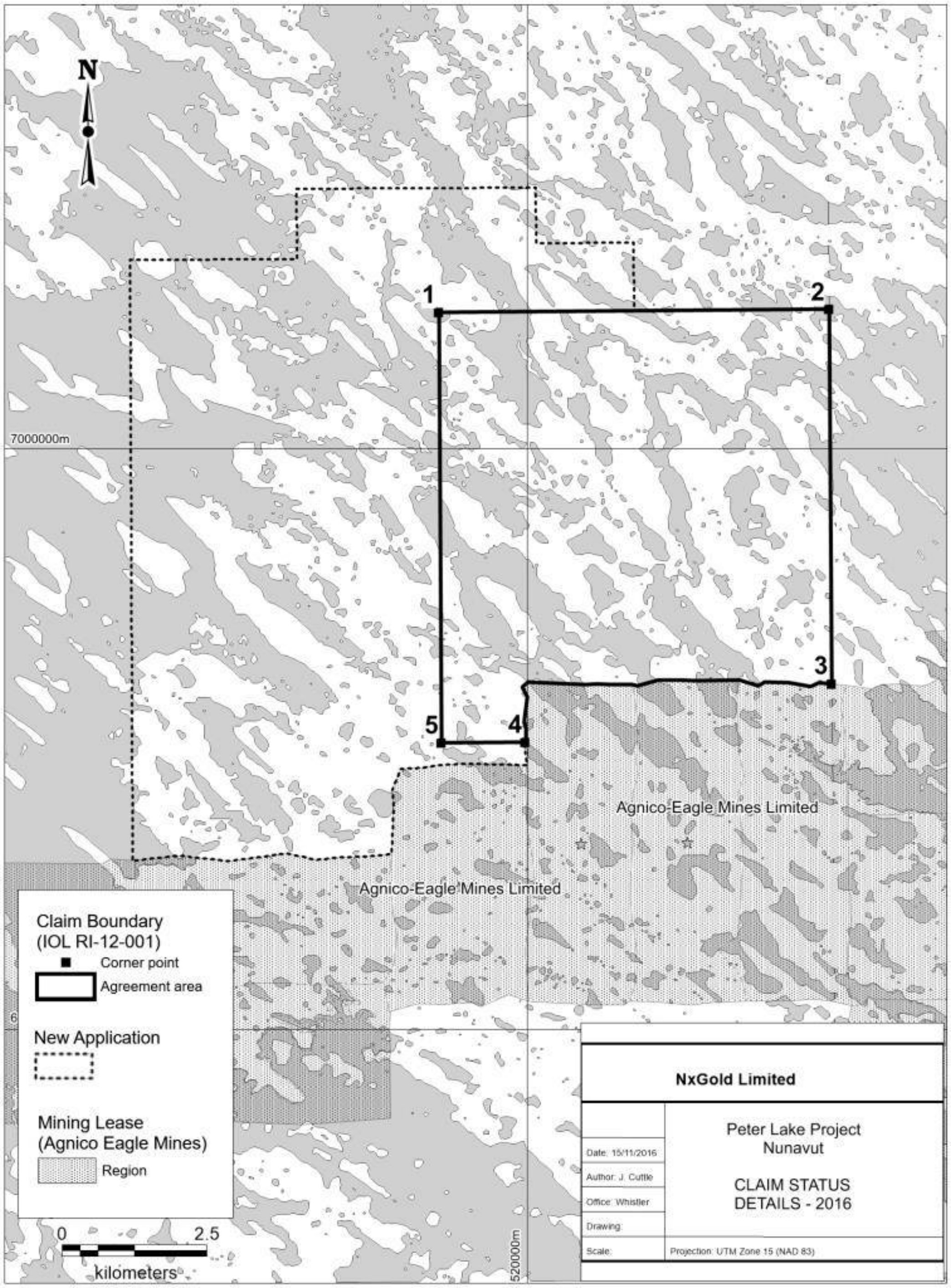


Figure 3: Claim Boundary, including new application area – Peter Lake Property

5. ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE, AND PHYSIOGRAPHY

The Property is located 40 kilometres northwest of Rankin Inlet, Nunavut. Rankin Inlet is served by daily flights from Yellowknife, NWT, 1,130 kilometres west of the Property and Winnipeg, Manitoba approximately 1,470 kilometres south of the Property. Access to the property is by helicopter or float plane from Rankin Inlet.

Rankin Inlet is a full-service community with a population of 3,000. Rankin Inlet is serviced by the Rankin Inlet airport and by a bi-annual supply 'sealift' for fuel and heavy goods from Churchill, Manitoba, and eastern Canada.

The terrain on the Peter Lake property is very low relief tundra with a dominant soil permafrost. The Project area is covered with shallow lakes and small rolling hills covered with thin glacial tills, drumlins, moraines, and eskers. Elevation varies between 20 metres to 60 metres above sea level. Bedrock outcrop is sparse.

The Project area has a subarctic climate. Temperatures stay under freezing from late September to early June. Mid-august can see temperatures above 30° Celsius. Surface exploration work should be coordinated from December through April and June to early October.

There is an abundance of fresh water lakes, ponds and small rivers located throughout the Property. There is no available power on the Property and work camps of significant size will require diesel fueled power. The main source of field personnel, expeditors, consultants, and drill contractors can be found in Rankin Inlet or other larger towns and cities such as Churchill and/or Winnipeg, Manitoba.

Photo 1 Typical terrain near Peter Lake. View of Rankin Inlet looking east towards Hudson Bay

6. HISTORY

6.1 Regional exploration in the Rankin Inlet Greenstone Belt (prior to 1995)

Nickel was first discovered on the shore of Hudson Bay, within the Rankin Inlet, in 1928 by the Cyrill Knight Company. The North Rankin Inlet Nickel Mine operated from 1957 to 1962 and produced 21.3 million pounds of nickel from sulfides located within depressions at the base of a serpentinized ultramafic sill.

From 1969 to1972, the Rankin Nickel Syndicate completed exploration for Ni-Cu at the Rankin Inlet area, Prairie Bay, and Tonic Lake. THE Rankin Nickel Syndicate completed IP, EM, and drilling on various prospects, and reported anomalous gold values of 0.10 ounce/ton from drilling near Tonic Lake (Discovery area). Other exploration during this period included a compilation of the area by Redstone Mines Limited and Aquitaine Company of Canada Limited who reported an occurrence of sulphidic iron formation on map sheet 55K/16.

In 1982, Consolidated Five Star Resources Limited completed detailed geological mapping and rock sampling in the Rankin Inlet area, and identified a nickel-copper sulfide bearing gabbro.

In 1986, a joint venture between Asamera Minerals Inc. (Asamera) and Comaplex Minerals Corp. staked the area of the Rankin Inlet Mine, which was followed up by drill testing in 1988. Staking was based upon the 0.10 ounce/ton and 0.20 ounce/ton gold values reported by the Nickel Syndicate in 1972 (Hauseux 1991). The initial western NAT claims were staked in 1990 to cover favorable magnetic trends associated with gold mineralization.

Asamera Minerals Inc and Comaplex Minerals Corp. continued their joint venture to evaluate the gold potential stretching from northeast of Rankin Inlet westward to Peter Lake, over 60 kilometres. In 1989 the joint venture acquired over 1 million acres of claims and permits to cover strike extension of their recent gold discoveries at Meliadine Lake. Part of the large claim holdings held by this joint venture known as the TAN 3 covers part of the present-day Peter Lake Property.

Subsequent work in the late 1980's and early 1990's by a joint venture which included Asamera, Comaplex and Rio Algom Inc. began to focus on both the eastern and western portion of their land holdings. Because of this exploration work, gold was discovered at the "Discovery Zone" (Meliadine Lake) and the Wesmeg boulder field where 710 boulders were sampled, 75 of which assayed greater than 1.0 ounce/ton gold.

In 1993 Asamera sold its interest in the joint venture to Cumberland Resources Ltd. and that new joint venture continues to explore the area.

In 1995, Western Mining Corp. (WMC) optioned the Meliadine West claims, including the TAN 3 claims which cover southern parts of the current Property. During the next three years, WMC completes detailed geochemical, geophysical and drill testing work, resulting in a resource estimate at Tiriganiaq, F, Pump, and Wolf zones beside Meliadine Lake. WMC completes initial prospecting on the TAN3 claim.

6.2 Property Exploration by Western Mining Corp (1995 to 2001)

In 1995 to 2001, WMC continued to prospect, collect regional rock samples, gravity measurements, 'frost boil' till geochemical samples, and helicopter supported electromagnetic and magnetic data on the large claim holdings including the TAN 3, NAT, ANT and W1 claims. The gravity and air-magnetic surveys by WMC covered 80% of the current Property with these survey areas referenced in Figures 4 and 5.

One of WMC's rock samples of quartz - pyrite rich float assayed 3.42 grams/tonne gold (#331313 - UTM 524910E, 6996190E) and was found in the south end of the current Peter Lake Property. No other rock sample assays collected by WMC on the current Property are known to the author.

Photo 2 WMC float sample #331313 - 3.42 g/t gold from quartz float (Cuttle, 2009)

A statistical summary by WMC of all geochemical analysis for 1183 till samples collected on the Meliadine West claims including the current Peter Lake Project area is listed below. It is estimated that 10% of these geochemical till samples taken by WMC lie within the current Property boundary. The geochemical analysis is expressed as percentiles and can be considered an anomaly guide for future frost boil sampling.

Field	Max	98%	90%	80%	50%	20%	Min

Field	Max	98%	90%	80%	50%	20%	Min
Al_%	2.83	1.60	1.31	1.11	0.73	0.56	0.23
As ppm	4861	34	17	10	5	<5	<5
Au_ppb	599	24	12	7	3	1	<1
Ba_ppm	279	128	94	79	48	34	15
Ca_%	6.05	2.24	0.95	0.71	0.56	0.47	0.06
Cd_ppm	18.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Co_ppm	40	18	13	11	8	7	3
Cr_ppm	220	56	45	38	25	20	1
Cu_ppm	264	68	43	35	25	18	5
Fe_%	9.52	3.16	2.59	2.29	1.71	1.43	0.72
K_%	1.24	0.49	0.37	0.27	0.15	0.09	0.02
Li_ppm	41	22	18	15	8	5	1
Mg_%	1.79	1.09	0.92	0.73	0.42	0.30	0.14
Mn_ppm	914	352	259	230	167	134	68
Mo_ppm	10	2	1	1	<1	<1	<1
Na_%	0.13	0.07	0.05	0.04	0.03	0.03	0.01
Ni_ppm	83	46.08	32	27	19	14	5
Pb_ppm	17	9	8	7	6	5	1
Ti_%	0.20	0.14	0.12	0.10	0.08	0.07	0.01
V_ppm	95	54	44	39	29	24	7
Zn_ppm	216	61	49	41	27	21	11

Table 7 Summary statistics on "Frost Boil" till samples listed in percentile (after WMC data, 2000)

Part of WMC's exploration work in 1999-2001 isolated a strong oval shaped gravity anomaly measuring 4 kilometres north by 2.5 kilometres west, located in the eastern portion of the current Peter Lake Property area (Figure 4).

WMC completed at least six north south lines of Horizontal Loop electromagnetics (HLEM) and a detailed ground magnetic survey over the centre of the gravity anomaly. The cause was later interpreted by WMC to be a dense gabbro stock or stocks intruding a less dense mafic volcanic and/or sedimentary country rock. This anomaly was never drill tested by WMC. The author could not locate the position of this HLEM and magnetic grid work.

A total of 1305 line kilometres of airborne magnetics were surveyed at a line spacing of 100 metres by Fugro in 2001. WMC submitted this digital database of airborne magnetic survey to the public domain, a portion of which covers more than 80% of the current Peter Lake Property (Figure 5).

This magnetic dataset has been critical in the location of subtle magnetic linears, folds hinges, structural breaks and underlying geology that may be related to the new gold in quartz discoveries made by MGL. It remains a key dataset to guide exploration during any future ‘follow-up’ field work.

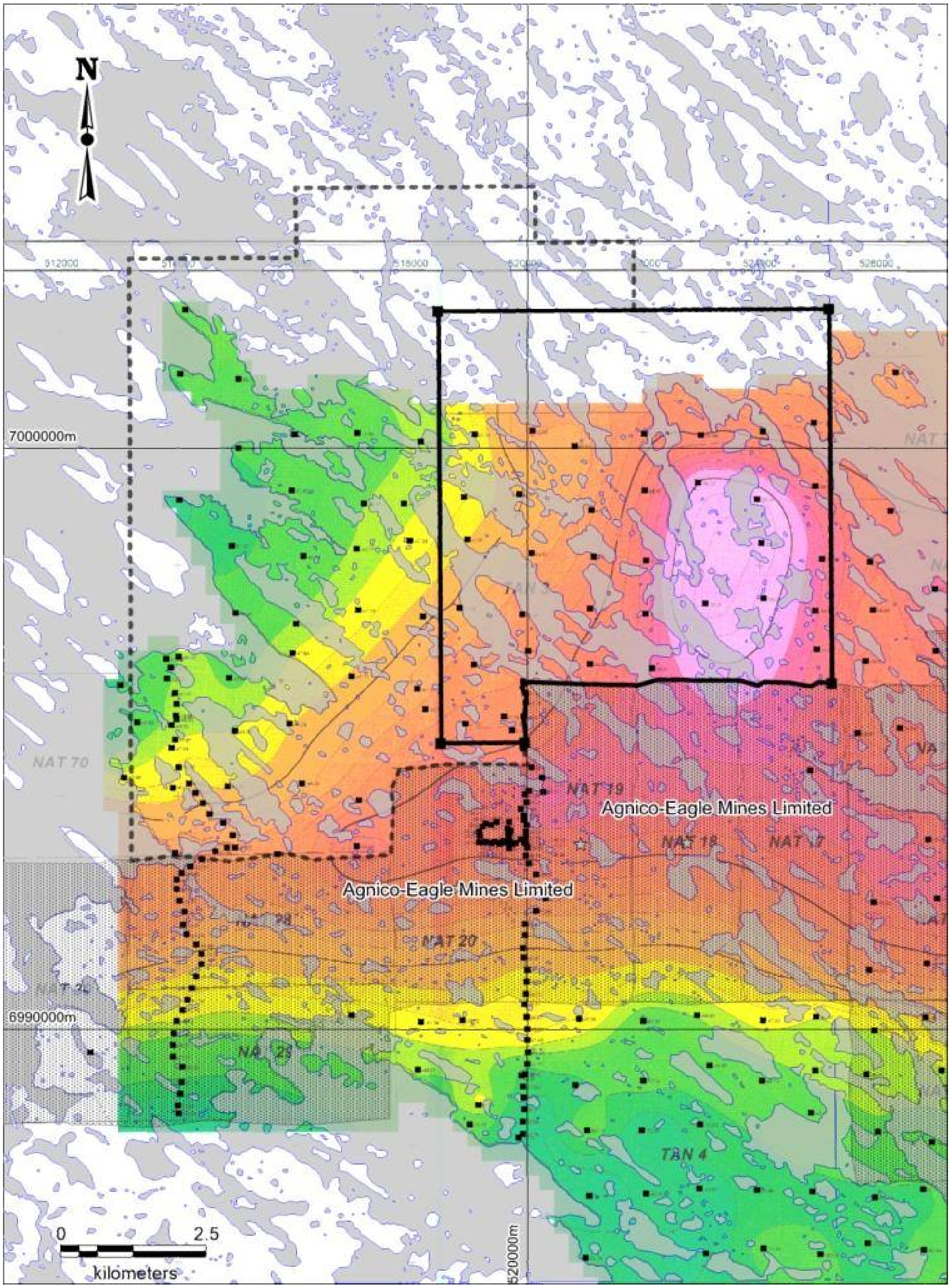


Figure 4: Gravity anomaly with 1 milligal contours on the Peter Lake Property. Black dots are survey points. (modified after WMC, 1999)

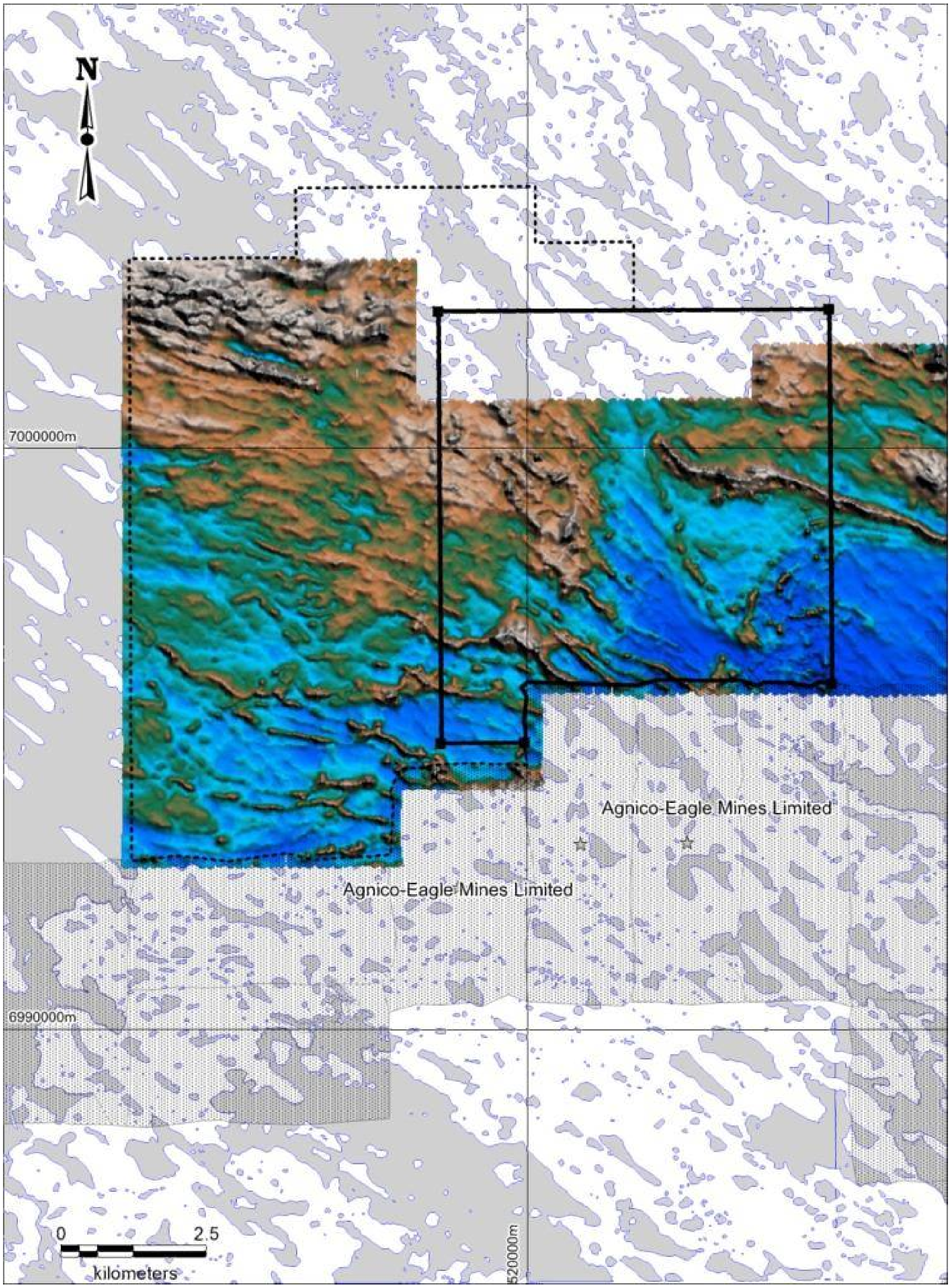


Figure 5: Airborne magnetic survey, reduced to pole, covering the Peter lake Property (after WMC digital data in assessment filings)

6.3 Property Exploration on the Peter Lake Claims by Meliadine Gold, 2009 – 2016

In 2009, MGL commenced annual geochemical and prospecting programs which continued through to 2016.

The purpose of the exploration by MGL was to:

- Identify the cause of the large 4km by 2.5km gravity high anomaly located in the middle of the claims. Investigate the possibility that it is related to an ultramafic sill or plug related to copper and nickel mineralization.
- Locate potential host rocks that contain gold and arsenic rich iron formation like what is found at the Meliadine Gold camp of Agnico Eagle Mines.
- Locate the source for gold rich boulders found on the north and south end of the Peter Lake Property during previous prospecting campaigns by WMC in 1999 and 2000.
- Follow-up and explain the source of the highly anomalous till 'gold grain count'.
- Prospect and sample areas with quartz vein material associated with regional folds and magnetic linears with noticeable quartz carbonate alteration.

Over the last 7 years the claim boundaries of the Peter lake claim under the MEA have been reshaped several times to incorporate new finds, cover encouraging geology and protect anomalous gold zones.

As of the effective date of this Technical Report, MGL has completed the following work on the Peter Lake claim block.

Type	Year
311 Rock assays	2009, 11, 13-16
250 Till samples / gold grain count	2009, 11, 13, 14, 16
232 Till samples / ICP MS analysis	2009, 11, 13 and 14
Geological mapping – 80 sq. kms	2009 to 2016
241 kms Airborne – Mag/EM (AeroTEM)	2010, Sept
Airborne Interpretation	2011, Feb
Ground HLEM, 5 small grids	2011, Apr-May
Gravity / ground mag (minor)	2011, Apr-May
1331.15 metres NQ drilling, 7 holes	2012, May-June
Petrographic Studies	2016, Aug

Table 8: Work Completed by Meliadine Gold Ltd. 2009 to 2016

6.3.1 Till Sampling / Gold Grain Count – 2009 – 2016

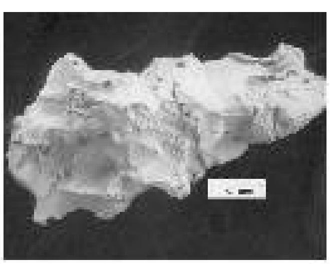
Since 2009, MGL has collected 250 till samples on the eastern half of the current Peter Lake Project claim block. All till material was collected at active 'Frost Boil' sites.

Till samples were collected and screened through a #10 or #8 sieve size to an approximate 10 kg field weight. These samples were dug by shovel on active frost boil sites at 0.1 to 0.5 metre depths. Samples were then placed in plastic bags together with sample tags and sealed with single use plastic ties and sent by air and truck transport to Overburden Drilling Management Limited (ODM) in Nepean, Ontario for investigation of the individual gold grain content.

At the lab, ODM dried and screened the sample material to a 'table feed' of < 2mm and then counted the individual gold grains within the whole sample. Each individual gold grain was then classified as reshaped, modified or pristine with the shape described by thickness, width, and length. The pristine gold grains represent 'near source gold' (within 1km or less) while modified and reshaped gold grains have generally been transported by glacial movement over longer distances of one kilometer to over ten kilometres respectively.

Other data collected included the number of pyrite grains, chalcopyrite grains (not all programs), platinum-group metals (PGM's), including platinum, palladium, iridium, rhodium, ruthenium, and osmium, if observed, and weights of magnetic and non-magnetic heavy metal concentrates (HMC's). HMC's are prepared by sieving clean sample material through heavy liquids with a specific gravity of 3.3 grams/cm^3 (typically methylene iodide) and separating the resulting concentrate into magnetic and non-magnetic fractions.

All gold grain counts at each sample site were further 'normalized' to reflect exactly 10kgs, as ODM's 'table feed' weight was generally 90% of the original field weight. The field weights collected by MGL did vary. Rock clasts greater than 2mm were also broadly described as volcanic, granitic, carbonate or designated as 'other' rock clast types.


Pristine Gold Grain


Modified Gold Grain

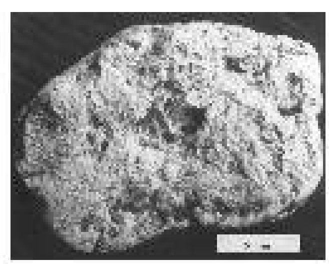

Reshaped Gold Grain

Photo 3: Typical gold grains from glacial till samples - Pristine, Modified and Reshaped (after 'Overburden Drilling Ltd' website)

The eastern part of the Peter Lake Property that incorporates the Eastern Fold Structure (EFS) area has a till sample station density of between 200 to 1000 metres. The central part of the Property that covers the part of the Western Magnetic Linears (WML) area has a wider till sample density of 500 to 1500 metres.

The 'pristine gold grain count' till survey is a critical dataset to help identify local areas representing zones of mineralized float and sub-outcrop with gold. At least 3 of the 6 new gold zones located by MGL had quartz boulders and quartz vein stock-work float within a kilometer or less of these till anomalies (Hinge, RB, and GD zones), consistently up-ice to the northwest.

Photo 4: Till 'Frost Boil' sample site (L), sampling procedures (R) (Cuttle, 2009)

Gold grain type	Max (100%)	98%	90%	80%
# of Total Au grains/ till sample (pristine, modified and re-shaped)	317	206	99	66
# of Pristine Au grains/till sample	238	118	41	26

Table 9: Statistical analysis on "Gold Grain" counts in percentile. Showing total of all pristine, modified and reshaped combined and pristine alone. (total population of 250 samples)

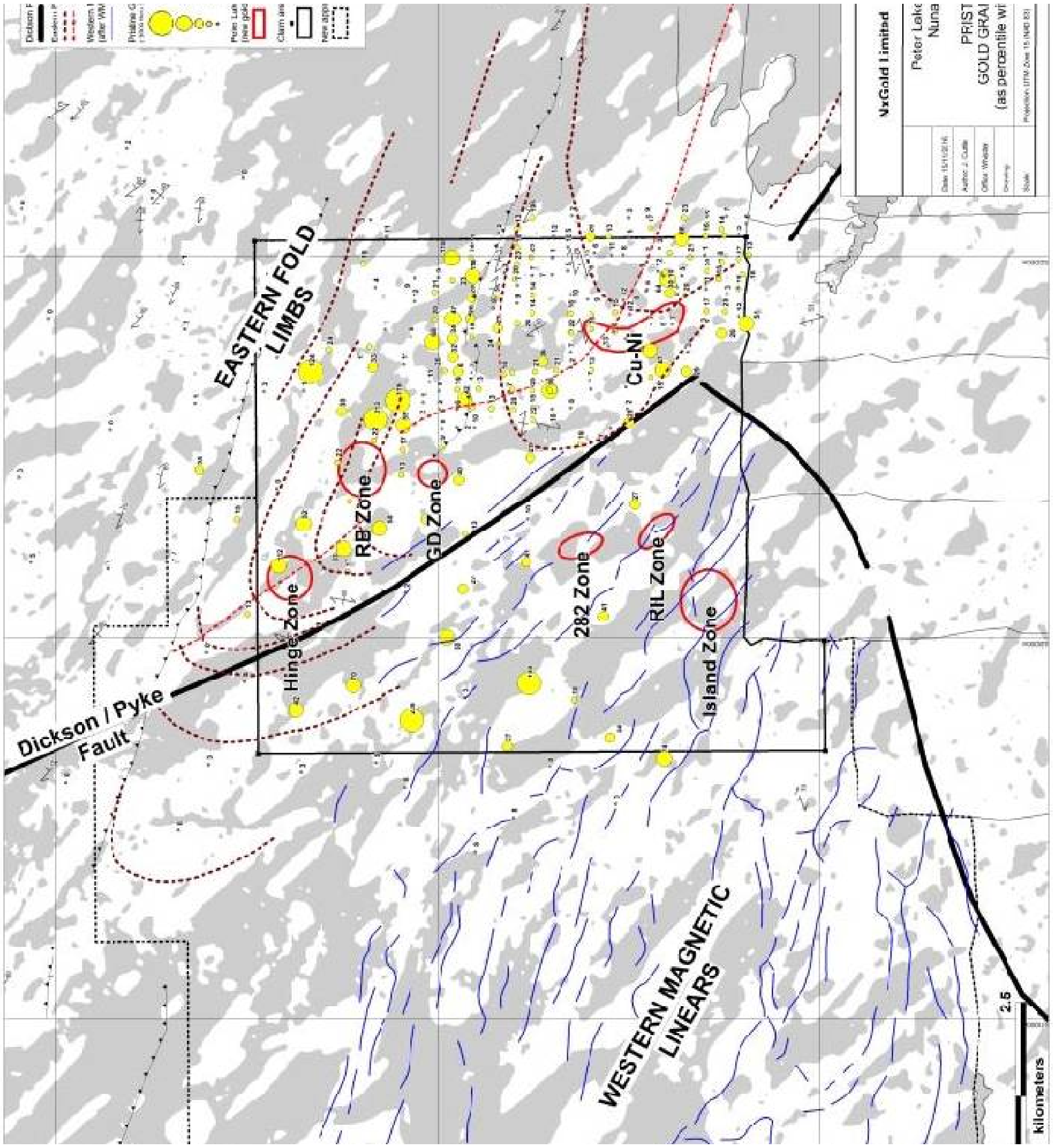


Figure 6: Till Sampling "Pristine Gold Grain" count as percentile

6.3.2 Till Sampling – Geochemical analysis – 2009 - 2014

Of the 250 till samples collected, material from 232 of these was sent to ALS Chemex Ltd. ("ALS") in Vancouver for multi-element analysis by inductively coupled plasma mass spectrometry (ICP/MS).

Anomalous results for gold from this analysis added extra support to back up the gold grain count anomalies and further helped guide the overall prospecting, geological mapping campaigns and the eventual discovery of anomalous gold in float material, particularly east of the Dickson-Pyke fault.

Several other gold anomalies from the geochemical analysis have not been follow-up along the eastern and central portion of the Property.

In addition, the geochemical analysis helped isolate a distinct copper-nickel anomaly (locally called the Cu-Ni zone) in the southeastern part of the Property along the southern boundary of the 1999 gravity high anomaly identified by WMC. This base metal anomaly remains unexplained.

Element	Max	98 percentile	90 percentile	80 percentile
Au ppb	45	19.2	9.2	6
Ag ppm	0.21	0.0805	0.06	0.05
Al %	2.14	1.9425	1.772	1.368
As ppm	109.5	32.32	18.24	9.04
Ba ppm	100	100	80	80
Ca%	12.25	6.251	2.022	1.296
Cd ppm	0.34	0.151	0.09	0.06
Co ppm	31.5	27.13	23.4	16.82
Cr ppm	123	84.15	72	53.4
Cu ppm	131.5	109.05	89.48	47.7
Fe%	3.69	3.411	3.254	2.49
K%	0.4	0.292	0.23	0.19
Li ppm	18.3	16.32	13.62	12.24
Mg%	1.6	1.361	1.222	0.898
Mn ppm	645	601	545.6	348.2
Mo ppm	3.81	1.0935	0.59	0.49
Na%	0.15	0.11	0.08	0.08
Ni ppm	70.4	64.63	55.82	39.4
Pb ppm	7	5.305	4.82	4.54
Ti%	0.215	0.17265	0.149	0.126
V ppm	84	77.05	62.4	53
Zn ppm	116	79.35	54.8	37

Table 10: Geochemical analysis of till samples - 2011 (ppb – parts per billion, ppm – parts per million)

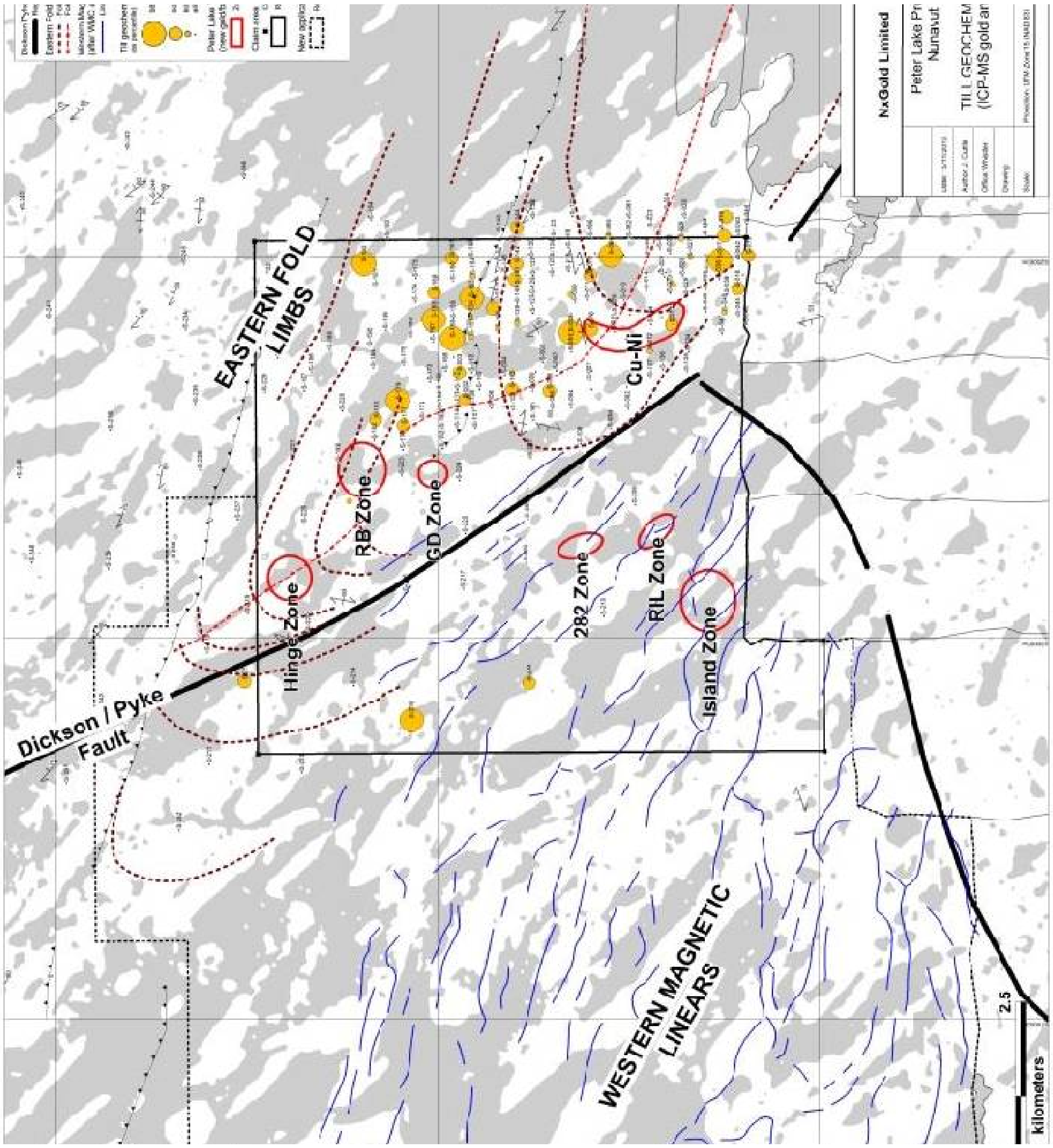


Figure 7: Till Sampling "gold geochemical ICP analysis" as percentile

6.3.3 Property Rock Sampling – 2009 – 2016 (Hinge, RB, GD, 282, RIL, Island Zones)

Rock sampling consisted of collecting surface float material during regular mapping and prospecting campaigns. Very little outcrop exists on the Property. A total of 311 rock samples have been collected since 2009 by MGL and sent to ALS Chemex for gold and multi-element analysis.

Lab results show that many of the quartz rich samples are anomalous in gold with minor copper, lead, and zinc signatures. Other samples of volcanic and/or sedimentary origin such as amphibolite, basalt, andesite, schist, and gneiss are rarely anomalous in any elements.

Prospecting and rock sampling in 2015 and 2016 located gold in angular quartz float at six different areas on the Peter Lake Property. Three areas east of the Dickson Pyke fault known as Hinge, RB, and GD zones and three areas to the west of the fault known as the 282, RIL and Island zones. The gold rich angular quartz boulders varied in size from 5cms to 1 metre. A list of assay results for all rock sampling is included in Appendix I.

Hinge, RB, and GD Zones – Eastern Fold Structure or Limbs Area (EFS)

Approximately 45% (9) of the 20 angular quartz vein float samples collected in these zones assay greater than 1 gram per tonne gold with local highs of 38 and 16.8 grams per tonne gold. The quartz occurs as small veins or veinlets, at times networks with local pitted zones of weathered sulphide (pyrite). Angular float material is commonly less than 50cms in size, angular and probably not far removed from source. Host rock to the quartz veins is non-magnetic and varies in composition from mafic to intermediate metavolcanics, ortho and paragneiss and granitic to diorite gneiss. Minor pyrite is common with traces galena, sphalerite and pyrrhotite.

282, RIL and Island Zones – Western Magnetic Linears Area (WML)

Approximately 30% (15) of the 51 angular quartz float rock samples collected from these zones assay greater than 1 gram per tonne gold with highs of 451, 65 and 17 grams/tonne gold. The mineralization is associated with hard, clean quartz, with minor chalcopyrite, galena and sphalerite, and accessory sericite, tourmaline, pyrrhotite, biotite, calcite, ankerite and albite. These prospective zones are new and to date have received little, if any, detailed geological work other than rock sampling.

Photo 5: RB Zone quartz float found in 2015 (EFS), - sample # 660201 -38 grams/tonne gold (Cuttle, 2015)

Photo 6: RIL Zone, quartz float found in 2016 (WML), approx. 90cm by 70cm in size. Sample # 660297 - 17.8 grams/tonne gold (Cuttle, 2016)

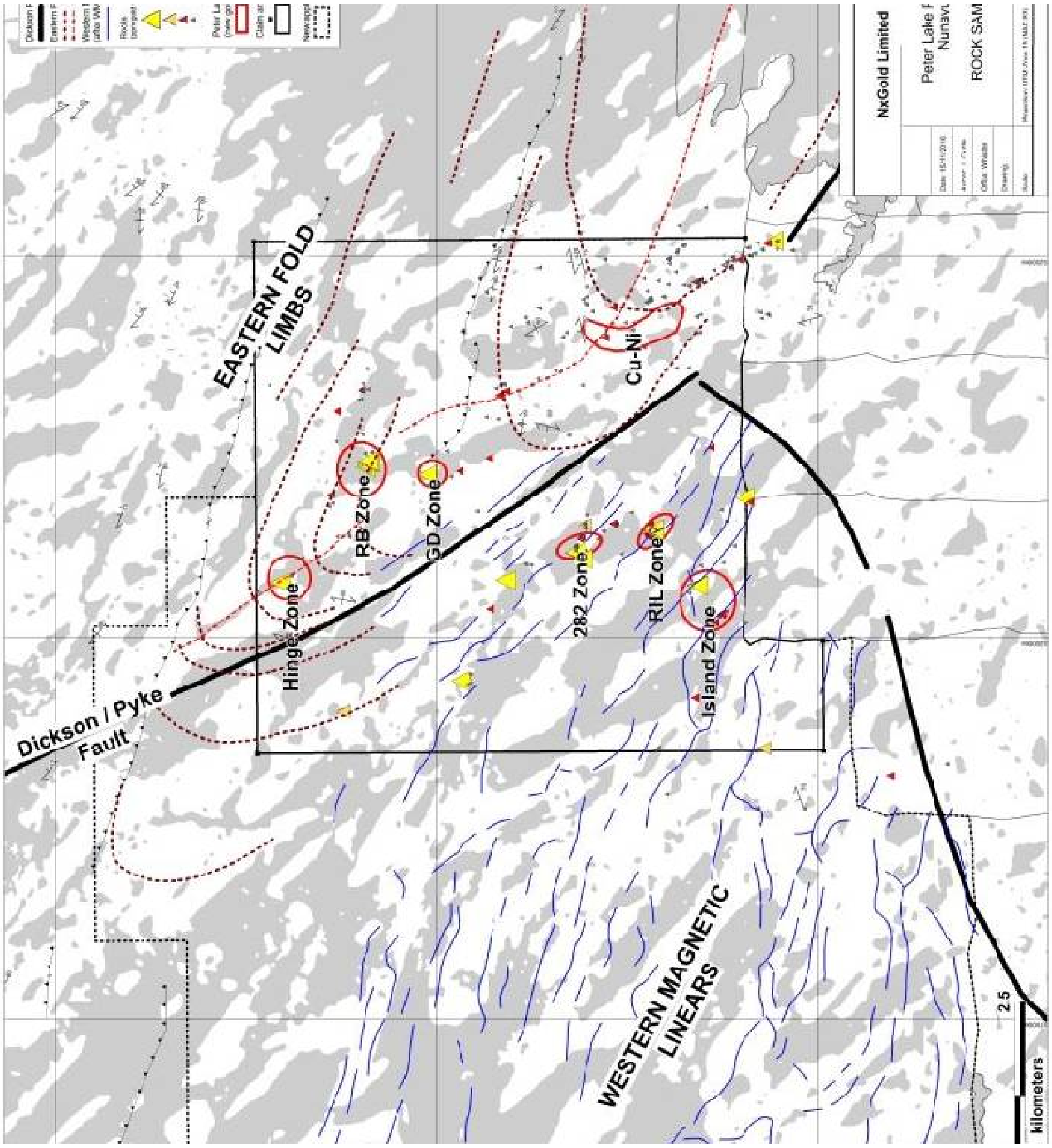


Figure 8: Rock sample locations

Sample#	Sampler	east_83	north_83	Au_ppm*	Ag_ppm*	Cu_ppm*	Pb_ppm*	Zn_ppm*	Area	year
660227	GD	521478	6998047	2.38	0.1	134	3	1	282	2015
660228	GD	521116	6998179	282	19.4	5530	6710	35	282	2015
671977	GD	521144	6998045	0.007	0.1	40	4	59	282	2016
671978	GD	521423	6998048	0.001	0.1	18	5	15	282	2016
671979	GD	521426	6998050	0.004	0.1	14	10	33	282	2016
671980	GD	521427	6998052	0.003	0.1	2	4	3	282	2016

Sample#	Sampler	east_83	north_83	Au_ppm*	Ag_ppm*	Cu_ppm*	Pb_ppm*	Zn_ppm*	Area	year
671981	GD	521035	6998086	65.3	11.1	42	110	68	282	2016
660276-1	JC	521323	6998096	0.021	0.1	87	2	9	282	2016
660277-1	JC	521321	6998094	0.011	0.3	425	4	133	282	2016
660278-1	JC	521208	6998172	0.009	0.1	346	5	17	282	2016
660279-1	JC	521200	6998175	0.019	0.1	94	5	135	282	2016
660280-1	JC	521202	6998177	0.013	0.1	301	1	15	282	2016
JC-29	JC	521353	6998084	0.001	0.1	4	2	10	282	2016
GD-3	GD	520691	7001986	0.025	0.9	5	14	3	Hinge	2016
GD-4	GD	520690	7001988	1.42	0.2	69	6	90	Hinge	2016
GD-5	GD	520716	7002002	0.001	0.1	4	2	60	Hinge	2016
671962	RB	520722	7002051	16.85	0.7	12	2	53	Hinge	2016
671963	RB	520807	7001910	0.164	0.1	69	10	79	Hinge	2016
671964	RB	521049	7001756	0.009	0.3	130	42	59	Hinge	2016
660226	GD	522132	7000116	8.7	1.7	20	854	301	GD	2015
GD-14	GD	520630	6996556	0.126	0.1	49	1	1	Island	2016
GD-15	GD	520286	6996294	0.004	0.1	23	1	18	Island	2016
GD-16	GD	520283	6996286	0.003	0.1	14	6	33	Island	2016
GD-17	GD	520318	6996262	0.023	0.1	21	6	37	Island	2016
GD-18	GD	520312	6996258	0.263	0.1	43	12	118	Island	2016
660298	JC	520196	6996349	1.61	0.1	130	2	10	Island	2016
660299	JC	520275	6996303	0.043	0.2	155	1	2	Island	2016
660300	JC	520318	6996264	0.078	0.2	213	1	6	Island	2016
660301	JC	520310	6996253	0.389	0.5	400	4	21	Island	2016
JC-35	JC	520681	6996575	110.5	35.2	381	3170	882	Island	2016
JC-36	JC	520299	6996259	0.066	0.1	57	6	3	Island	2016
JC-37	JC	520303	6996261	0.769	0.5	39	21	8	Island	2016
JC-38	JC	520317	6996246	0.309	0.2	102	7	76	Island	2016
671965	RB	520680	6996576	451	247	221	7220	216	Island	2016
671511	JA	521839	6995961	5.99	2.5	88	94	10	Island S	2016
671512	JA	521781	6995884	1.655	0.2	36	5	29	Island S	2016
GD-6	GD	522322	7000860	0.001	0.1	4	1	5	RB	2016
GD-7	GD	522332	7000875	0.002	0.1	5	2	22	RB	2016
GD-8	GD	522277	7000923	0.017	0.1	4	1	1	RB	2016
JC-26	JC	522328	7000880	0.915	0.1	11	15	26	RB	2016
JC-27	JC	522331	7000877	0.015	0.1	1	1	1	RB	2016
JC-28333	JC	522315	7000879	6.94	0.5	15	9	40	RB	2016
660201	RB	522232	7000937	38	5.3	12	1640	994	RB	2015

Sample#	Sampler	east_83	north_83	Au_ppm*	Ag_ppm*	Cu_ppm*	Pb_ppm*	Zn_ppm*	Area	year
660202	RB	522299	7000922	8.78	3	9	1325	318	RB	2015
671951	RB	522230	7000937	3.88	0.5	14	34	179	RB	2016
671952	RB	522250	7000900	0.002	0.1	34	6	10	RB	2016
671953	RB	522296	7000879	8.59	0.1	45	7	18	RB	2016
671954	RB	522311	7000896	15.15	7.5	7	6610	22	RB	2016
671955	RB	522386	7000812	0.976	2	9	816	165	RB	2016
671995	GD	521318	6997205	0.433	0.1	36	2	26	RIL	2016
671996	GD	521324	6997206	0.037	0.1	52	5	44	RIL	2016
671997	GD	521330	6997215	0.379	0.2	19	1	1	RIL	2016
671998	GD	521335	6997220	1.07	1.9	47	89	8	RIL	2016
671999	GD	521475	6997200	0.144	0.2	36	2	12	RIL	2016
672000	GD	521480	6997200	0.338	0.2	216	3	13	RIL	2016
GD-10	GD	521389	6997163	1.25	0.5	25	9	4	RIL	2016
GD-11	GD	521390	6997151	6.27	1.6	58	1	5	RIL	2016
GD-12	GD	521424	6997163	0.059	0.1	96	3	94	RIL	2016
GD-13	GD	521422	6997135	0.017	0.3	21	9	18	RIL	2016
GD-9	GD	521384	6997161	0.93	0.3	98	2	1	RIL	2016
660292	JC	521354	6997250	0.346	0.2	14	5	2	RIL	2016
660293	JC	521338	6997235	0.013	0.1	74	10	22	RIL	2016
660294	JC	521335	6997230	0.091	0.1	13	3	8	RIL	2016
660295	JC	521334	6997219	1.725	0.2	43	1	10	RIL	2016
660296	JC	521419	6997154	0.43	0.4	93	1	4	RIL	2016
660297	JC	521398	6997163	17.8	1.9	216	3	1	RIL	2016
JC-30	JC	521383	6997178	1.455	0.6	716	15	49	RIL	2016
JC-31	JC	521384	6997179	0.033	0.2	185	7	232	RIL	2016
JC-32	JC	521392	6997167	0.069	0.2	66	3	4	RIL	2016
JC-33	JC	521417	6997149	27.7	2.5	206	2	8	RIL	2016
JC-34	JC	521428	6997135	0.026	0.1	60	1	9	RIL	2016

Table 11: Selected rock samples from Hinge, RB, GD, 282, RIL and Island Zones. Peter Lake project (*ppm – parts per million for gold, silver, copper, lead, and zinc)

6.3.4 Aeroquest helicopter-borne magnetic and electromagnetic survey – September, 2010

On September 14 and 15, 2010 Aeroquest International Ltd. (Aeroquest) completed 241 line kilometres of electromagnetic (AeroTEM - Romeo -Time Domain) and cesium vapor magnetic surveying over the eastern part of the current Property. Some lines extended beyond the original claim boundary from 2009/10. The EM sensor terrain clearance was 30 metres and survey lines were flown at 100 metre line spacing along a 60°/240° direction using a GPS. Perpendicular control lines were flown every 1,000 metres.

Aeroquest produced three hardcopy maps including Total Magnetic Intensity (TMI), AeroTEM Z1 Off time (Z1 OFF) and Electromagnetic (EM) anomaly maps. The digital database is held by MGL.

Aeroquest concluded that the survey was successful in mapping the magnetic and conductive properties of the underlying geology on the Property.

6.3.5 Airborne Geophysical Interpretation – Intrepid Geophysics – February 2011

In February 2011, MGL engaged a consultant to complete an in-depth study of airborne data collected by Aeroquest in 2010. The objective was to; 1) use enhancement filters on this data to identify potential sulphide rich gold occurrences; and 2) map bedrock structures and lithologies that may host gold and copper-nickel mineralization. The study concluded that enhancement filters applied to the magnetic grid highlighted several dominant structural orientations and trends. A major northwest-southeast magnetic anomaly was identified as a possible banded iron formation; which is intersected and offset at least partially, by NNW- and NNE- features which remain of unknown geology. These latter cross-trends provide potential for significant fracturing and mobilization of mineralized fluids. In addition, the study identified several zones of anomalous conductivity with key targets tabulated. Zones A-B-C, E and H comprise specific anomalies of both significant electromagnetic response with matching positive magnetic correlation. Zones A-B-C and E were interpreted as possible targets of sulphide enrichment, while Zone H reflects responses characteristic of a kimberlite intrusion.

Targets for proposed ground follow-up are listed as follows;

Zone	Xutm15nad83	Yutm15nad83	Line ID	Labels	Zone	Off_	Con Off	Tau
E	525062.1	6995916.6	10690	K	B	7	85.3	923.6 -
E	524814.9	6996224.4	10650	K	B	7	83.0	910.9
E	524807.8	6996332.2	10640	K	C	6	40.2	633.7
E	524867.9	6996147.3	10660	K	B	7	73.2	855.3
C	524834.7	6997203.5	19030	K	B	7	63.9	799.6 -
C	524601.4	6997258.1	10550	K	D	7	132.	6 1151.5
A	524406.5	6996906.3	10570	K	C	5	34.3	585.8
A	524315.7	6996974.5	10560	K	B	7	67.1	819.4
A	524282.6	6997312.6	10530	K	B	7	93.4	966.2
A	524326.9	6997449.6	10520	K	C	7	104.3	1021.2
A	524299.7	6997554.5	10511	K	C	7	117.6	1084.3

Zone	Xutm15nad83	Yutm15nad83	Line ID	Labels	Zone	Off_	Con Off	Tau
A	524355.4	6997686.0	10510	K	C	7	107.3	1036.0
A	524456.7	6997867.9	10490	K	C	7	79.5	891.4
H	524380.7	6999437.0	10350	K	B	7	59.4	770.4
H (E)	525183.9	6999332.5	10400	K	B	2	1.1	103.8
B	523293.4	6999147.0	10320	K	G	5	22.6	475.2
B	523272.1	6999273.0	10310	K	B	6	39.2	625.7
B	523236.1	6999357.9	10300	K	F	5	26.3	513.0

Table 12: Priority airborne anomalies - Campbell 2011

Follow-up on anomalies A, B, C, and E are described briefly above. Anomalies H, H (E) and the SW portion of A have had no previous work. Four drill holes have targeted the NE parts of Target A and one hole tested Target B. Targets H and H (E) have had little to no work.

6.3.6 Ground Surveys – Paterson Geophysics - August 2011

Paterson Geophysics Inc. completed magnetic, gravity and horizontal loop electromagnetic (HLEM) surveys on selected portions of 5 small grids on the Peter Lake Property during April and May, 2011. These grids covered areas with co-incident airborne magnetic and electromagnetic anomalies isolated during the Aeroquest AeroTEM survey in 2010. The grids are called PL-Main, PL-Northwest, PL-North, PL-Southwest, and PL-South.

In August 2011, GeoVector Management Inc. interpreted this ground HLEM data in detail and reported that:

- **PL-Main Grid** A strongly conductive north-south striking, steeply west-dipping anomaly trend was defined by HLEM over a distance of 400m, with the central 200m section of the conductor having well defined magnetic coincidence. Magnetic intensity generally decreases away from the central part of the conductor but the conductivity remains strong. Pyrrhotite (po) is indicated as the cause of the anomaly in the central 200m section. It could also be interpreted as due to sulphide iron formation or pyrrhotitic argillite. The PL-Main anomaly is an intriguing position at the inferred base of an ultramafic intrusion, and remains a magmatic Cu-Ni target that warrants drill testing.

- **PL-Northwest Grid** A weak to moderately strong conductive anomaly was detected by HLEM over the southern line of the two-line PL-Northwest grid. The HLEM anomaly is directly coincident with a dipolar magnetic anomaly that suggests po as the conductive source. There is no distinct HLEM anomaly detected on the northern line, which suggests the line is off the end of the conductor. The PL-Northwest anomaly is an isolated, discrete AeroTEM conductor of approximately 150m strike that occurs generally up-ice of the chalcopyrite (cp) grains in till samples. Drill testing of this anomaly on the southern line of the PL-Northwest Grid is recommended.

- **PL-North Grid** The two-line PL-North Grid is centered on a small lake. HLEM and gravity survey results are inconclusive. There are two possible conductor responses on the southern line but none are apparent on the northern line. Lake-bottom sediments and/or lake-bottom topography may have hindered conductor detection. There is a nearly coincident positive TMI anomaly with the eastern-most possible HLEM anomaly. Po is suggested as the conductive source if the HLEM anomaly is legitimate. The PL-North anomaly is an isolated, discrete AeroTEM conductor of approximately 100m strike that occurs generally up-ice of the chalcopyrite (cp) grains in till samples. Drill testing of this anomaly on the southern line of the PL-North Grid is recommended."

- **PL-Southwest Grid** The conductive trend is coincident with a positive magnetic anomaly, indicating po as the likely anomaly source. The long strike length, non-discrete nature of this anomaly trend suggests it is formational (sulphide iron formation) and therefore a low-priority Cu-Ni target.

- **PL-South Grid** The long strike length, non-discrete nature of this anomaly trend suggests it is formational (sulphide iron formation) and therefore a low-priority Cu-Ni target.

The study concluded that there are indications of significant chalcopyrite in till anomalies on the Peter Lake Property and airborne and ground EM conductors are the best targets to test for economic concentrations. This includes grids PL-Main, PL-North and PL-Northwest. It was recommended till sampling 'down-ice' of PL-Main, PL-South and PL-Southeast may upgrade gold exploration potential.

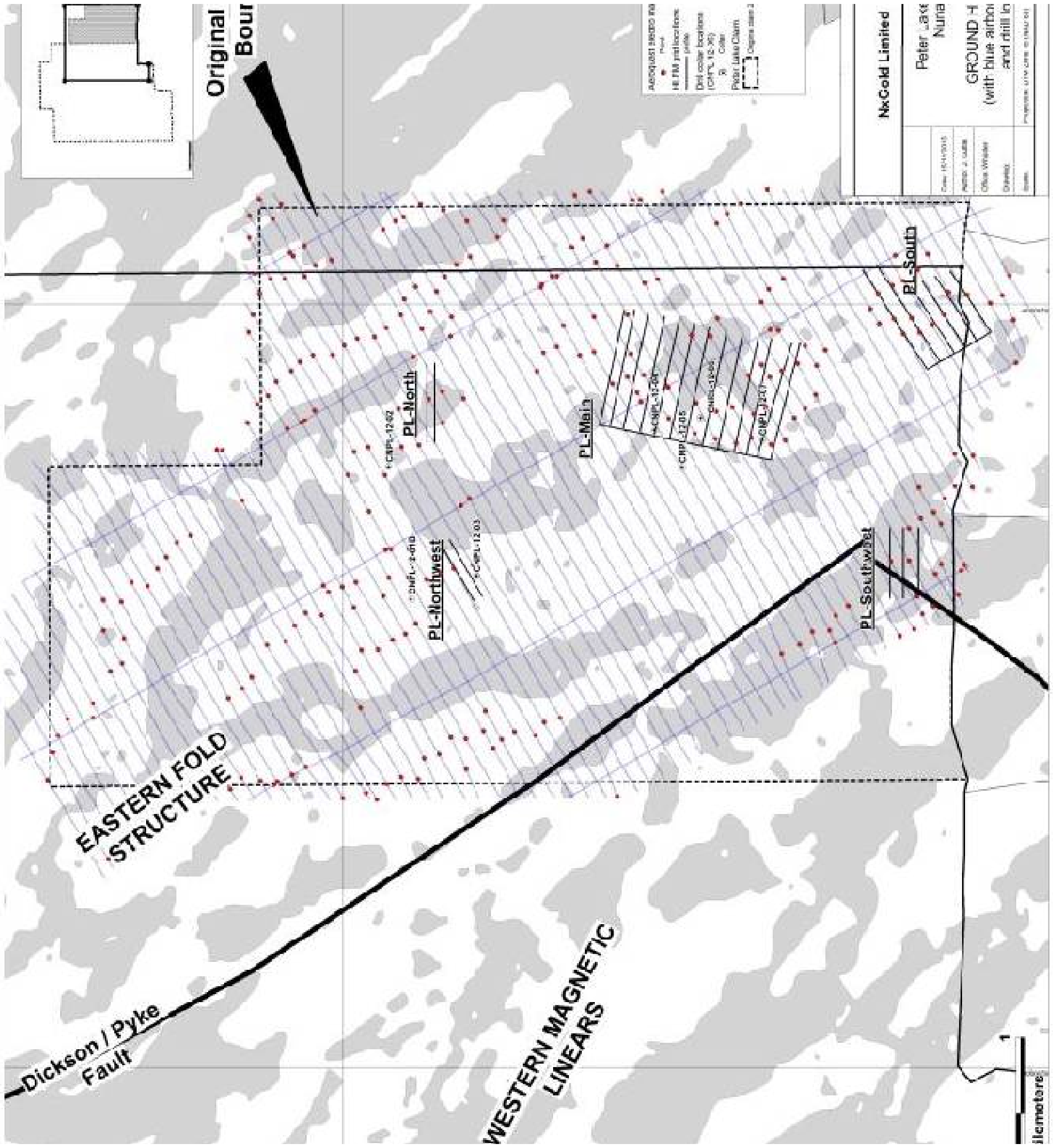


Figure 9: Ground HLEM grids with airborne flight lines and electromagnetic conductors

6.3.7 Petrographic Studies – Vancouver Petrographics - August 2016

In July 2016, six rock samples were submitted to Vancouver Petrographics Limited. The samples were selected from angular boulders within the 282 zone in the central part of the Property, west of the Dickson-Pyke fault (WML area). All samples are believed to be locally derived.

The purpose of this study was to obtain a better understanding of the individual mineral make-up of the rock samples while moving in sample selection point from generally distant wall rock material of the 282 zone towards the core of the perceived area that hosts the high-grade gold in quartz. The 282 zone is associated with a distinct linear magnetic high and quite noticeable with the WMC air-magnetic data. The purpose was to identify any unique alteration assemblages and determine original rock protolith.

Petrographic-Sample	East 83	North 83	Zone name	Comments
PL-1	520969	6998847	282	Amphibolite
PL-2	521100	6998090	282	Biotite schist, high mag
PL-3	520686	6997886	282	Amphibole-albite schist
PL-4	521192	6998173	282	Amphibole schist with calcite
PL-5	521192	6998173	282	Biotite schist with quartz-albite-epidote
PL-6	523060	7001220	282	Biotite schist, high mag

Table 13: Petrographic Sample Location – 2016

Results of the petrographic work suggest there is a dominant assemblage of biotite, albite, carbonate, and magnetite as one moves closer to mineralization however at this time the work remains inconclusive.

6.4 Production and Previous Mineral Reserve/Resource Estimates

There has been no previous production on the Property and no historical mineral reserve or resource estimate.

7. GEOLOGICAL SETTING AND MINERALIZATION

7.1 Regional Geology and Mineralization

The regional area surrounding the Peter Lake Property represents a portion of the Archean and Early Proterozoic granite-greenstone-gneiss terrain located within the Hearne Domain, western Churchill Structural Province of the Canadian shield.

This terrain is made up of a variety of highly deformed and regionally metamorphosed rock suites about 2.7 billion years old. It includes layered gabbro-anorthosite of the Uvauk complex, quartz-feldspathic gneiss, metavolcanic to metasedimentary rocks of the Rankin Inlet Group, pelitic gneiss and migmatite, and several distinct Archean to Early Proterozoic granitic plutons with associated amphibolite, gabbro, and diabase phases.

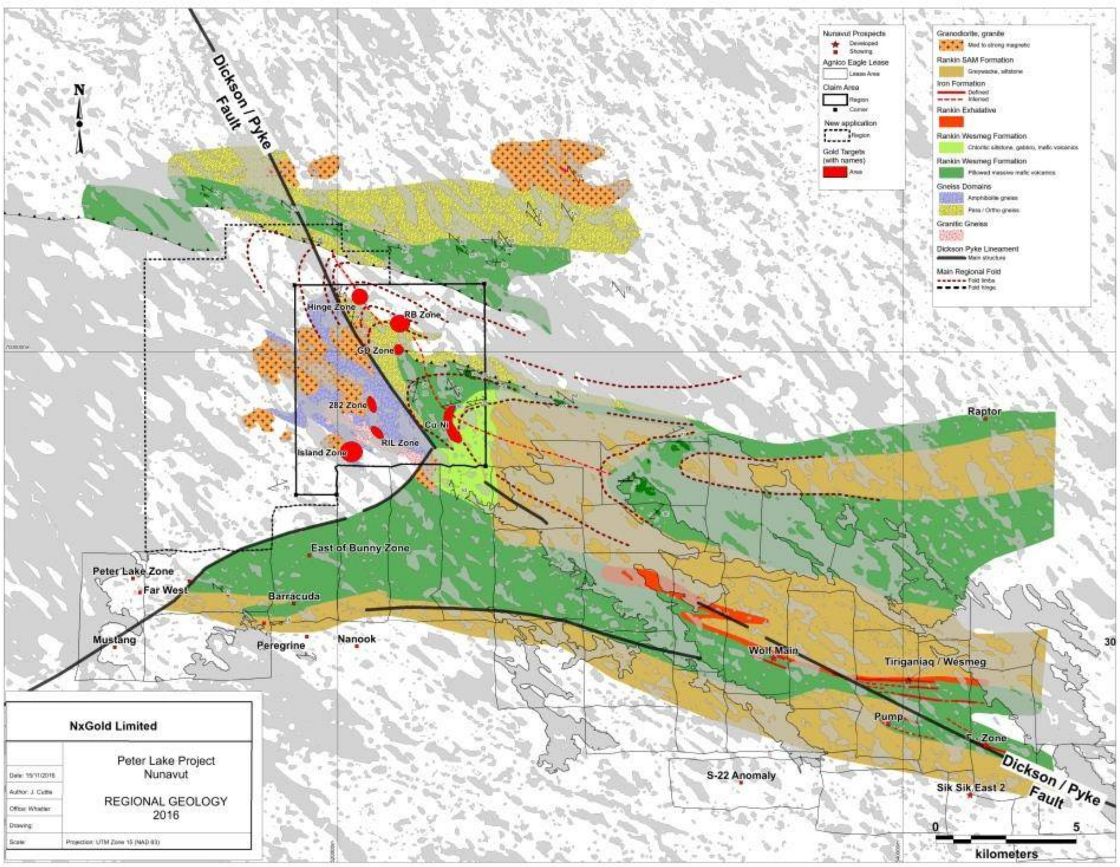


Figure 10: Regional Geology with gold zones in red (geological map modified after Meliadine Gold and Comaplex)

Archean rocks are unconformably overlain by and structurally interlayered with Proterozoic Hurwitz Group ortho-quartzite. A thin veneer of younger marine deposits occurs sporadically throughout the area capped by a mask of glacial and fluvial materials.

The Rankin Inlet Group has proven to host large deposits of gold and represents an important area for mineral exploration. It is a typical greenstone belt assemblage of ultramafic, mafic, and lesser felsic volcanic rocks and greywacke turbidite sequences. The Group is composed of massive and pillowed mafic and ultra-mafic volcanic flows, interflow sediments, quartz-magnetite iron formation and mafic and felsic tuffs, pyroclastic rocks, and volcanic breccia. Gabbro sills are common throughout the sequence.

Gold mineralization at Agnico Eagle Mines “Meliadine Deposits” occurs with two distinct types of iron formation (IF) in the Rankin Inlet Group. 1) pyrrhotite-rich lode gold in banded quartz-magnetite iron formation exhibiting a strong magnetic signature, and 2) lode gold in quartz veins, stock-works and sheeted veins associated with pyrite and arsenopyrite within structurally altered metavolcanic and metasedimentary rocks.

Alteration with the pyrrhotite rich IF is commonly quartz carbonate veins with overprints of hornblende, biotite, and calcite. Pyrrhotite commonly replaces magnetite. Alteration assemblages with the pyrite-arsenopyrite IF is quartz carbonate veins with siderite, chlorite, biotite and grunerite. Sulphides with gold are present as disseminations in the IF and within neighboring wallrock.

The Rankin Inlet Group has the potential as well to host copper-nickel sulphide mineralization associated with ultramafic (komatiitic) volcanic flows and sills of Archean age like the Rankin Inlet Cu-Ni deposit. The host komatiitic flows are generally thin layered units, laterally extensive and can exhibit characteristic spinifex textures. Associated rocks are basalts, felsic volcanics and sulphide-bearing clastic and chemical sedimentary rocks, including iron formation (DuBray, E., 1995).

Pyrrhotite, pentlandite, chalcopyrite and pyrite are common minerals, with lesser amounts of magnetite, chromite, and cobaltite.

7.2 Local and Property Geology and Mineralization

Less than 2% outcrop exists on the Peter Lake Property making it a challenge for detailed geological mapping. On a regional scale, mapping by the GSC (Tella 1994) suggests that metavolcanics, metasedimentary and gneissic rocks of the Rankin Inlet Group underlie most if not all the Peter Lake Property claims. In addition, previous regional airborne magnetic surveys by WMC supports the existence of distinct lineaments, structures and lithological units trending northwestward from Rankin

Inlet, through the Agnico Eagle gold camp and up through the Peter Lake Property area. Furthermore, drilling through thin till covered areas on the eastern portion of the Property in 2012 by MGL intersected varying widths of alternating chlorite rich metasediments, metavolcanics and mafic intrusive. These sections of drill core are likely part of the Rankin Inlet Group and are commonly associated with minor disseminated pyrite, pyrrhotite and local quartz carbonate veining. Biotite bandings with carbonate veinlets are see in the mafic intrusive rocks. Areas that represent interbedded oxide iron formation were also seen in drill core, and occur as narrow (<1m) dull white and black, strongly magnetic, and siliceous units (Hole CNPL-12-01B).

Structurally, the Dickson-Pyke fault is considered a key 'high strain' regional break related intimately with gold mineralization at the near-by Meliadine deposits of Agnico Eagle Mines. On the Peter Lake property, the Dickson-Pyke break is also recognized from the structural study by Meliadine Gold. Here it is believed to be one kilometer or less in width and trends northwestward from Rankin Inlet through the Agnico gold camp and cuts the Peter Lake property on the eastern part of the claim. It separates a regionally folded package of volcanic and meta-sedimentary rocks termed the 'Eastern Fold Structure'(EFS) on the east from locally carbonatized and magnetically altered amphibolites, gneiss and granitoids of the 'Western Magnetic Linears' (WML) on the west.

Fold limbs of the EFS are best defined with air-magnetic data from the GSC (2012), airborne resistivity from MGL (2011) and from regional bedding measurements in outcrop off to the southeast of the Property. On the claim the fold structure is interpreted to trend north northwest over 8 kilometres where it is cut by a thrust fault near the north boundary. The individual fold limbs trend to the east-southeast and southeast respectively and may predate any horizontal movement along the Dickson – Pyke fault.

In 2015 and 2016 several quartz rich boulders and smaller quartz vein stock-work float were found in three areas along the hinge and limbs of the EFS locally termed the "Hinge", "RB", and "GD" zones. 9 of the 20 quartz vein float samples collected in these zones assay greater than 1 gram per tonne gold with local highs of 16.8 and 38 grams per tonne gold. Little follow-up work has been completed here. Samples that contain gold are generally clean of any base metals with exceptions of galena and minor sphalerite. Pyrite, sericite, and chlorite are seen in the quartz and gneissic wall-rock as possible weak envelopes of alteration.

The Western Magnetic Linears (WML) is a distinct area directly west of the Dickson-Pyke break where detailed airborne magnetics (after WMC data) identify a series of magnetic high lineaments. These magnetic features begin near the northwest trending Dickson-Pyke fault and splay off to the west-northwest forming a network of parallel to sub-parallel features. They vary in length from 1 to 4 kilometres, are commonly less than 100 metres wide and occur over an area of 50 sq. kms

Recent prospecting and rock sampling in 2015 and 2016 along these magnetic trends identified three areas of metre scale amphibolite float boulders with pitted pervasive carbonate alteration, quartz veining, quartz/calcite/magnetite alteration including local zones of ankerite, sericite and biotite. These three separate areas of the WML are locally named the "Island", "RIL" and "282" zones. 15 of the 51 quartz float rock samples collected from these zones assayed greater than 1 gram per tonne gold with local highs of 17, 65 and 451 grams/tonne gold.

Gold is associated with hard, clean quartz, minor chalcopyrite, galena and sphalerite with accessory sericite, tourmaline, pyrrhotite, biotite, calcite, ankerite and albite.

These prospective zones are new and to date have received little if any detailed geological work other than rock sampling.

Photo 7: Typical carbonatized and magnetically enriched mafic volcanic - west of Dickson-Pyke fault

The "Cu-Ni" zone is an area with anomalous geochemical response from 'frost boil' till sampling. This multi-element anomaly (Cu, Ni, Co) is defined by 14 closely spaced (average 300m spacing) anomalous till samples that flank the southern boundary of the WMC gravity high anomaly. The cause of this anomaly remains unknown.

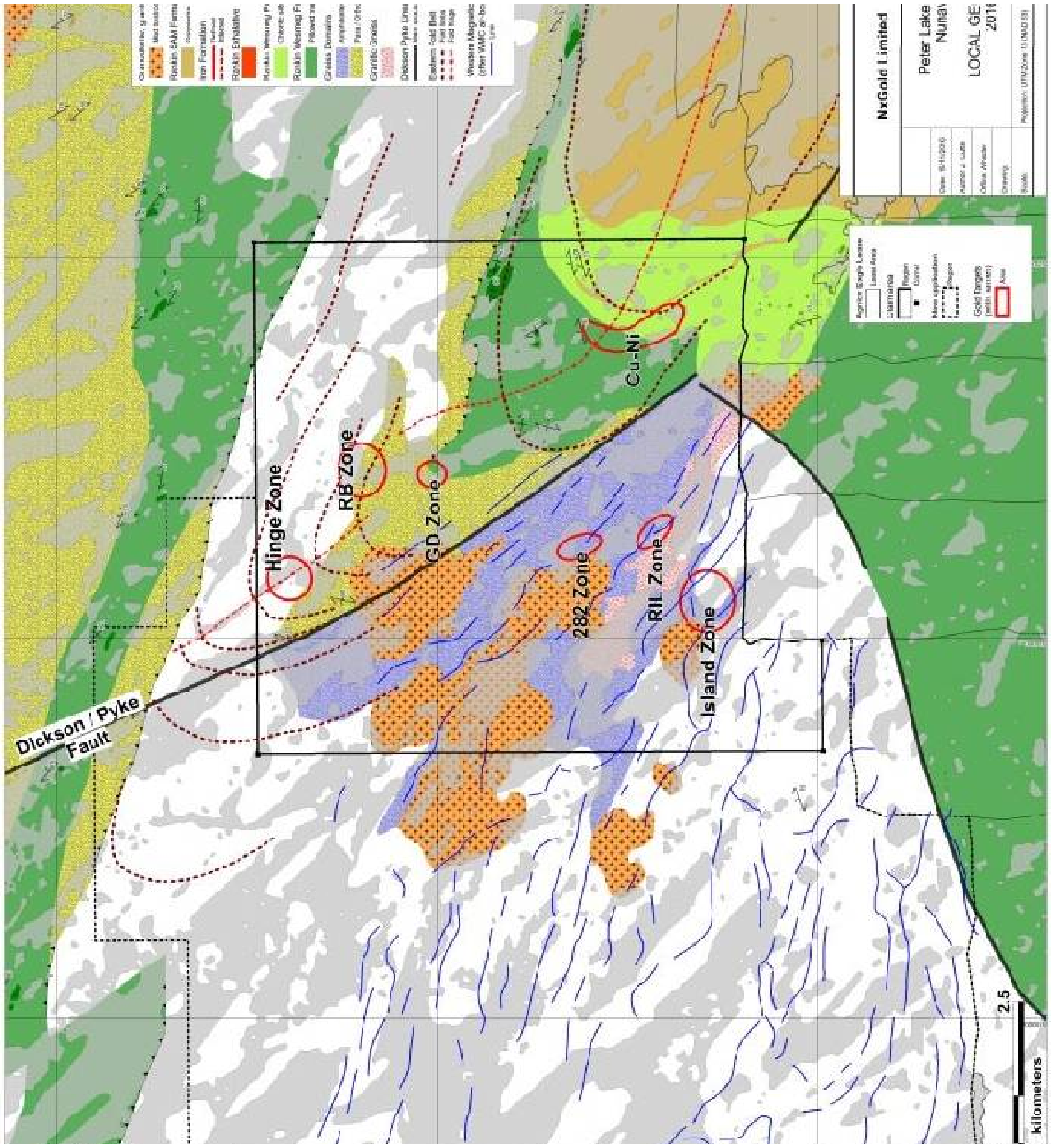


Figure 11: Local Geology - Peter Lake claims, after Comaplex

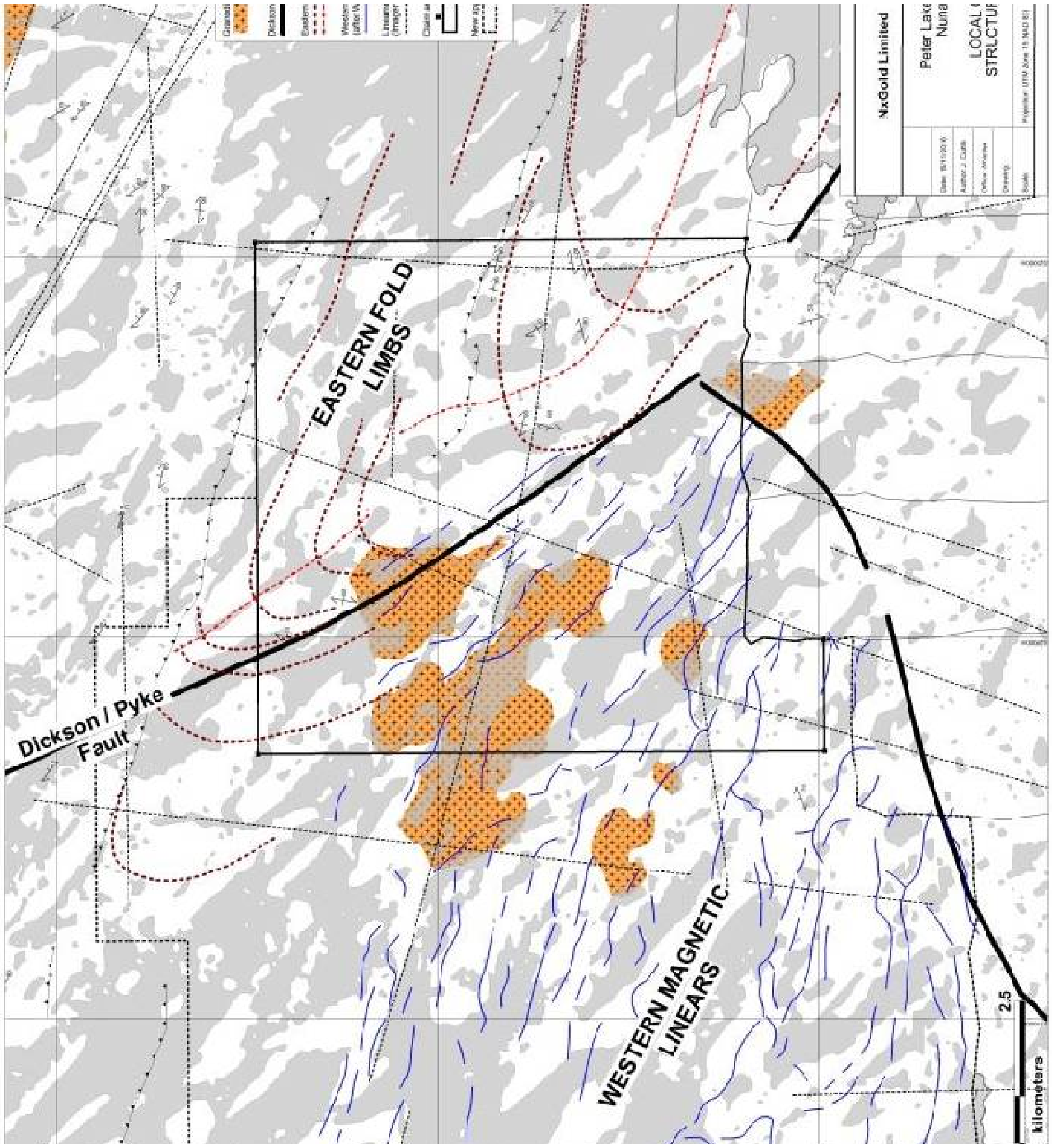


Figure 12: Local Structure after satellite imagery and airborne magnetics- Peter Lake claims

8. DEPOSIT TYPES

Several field seasons of geological prospecting, mapping, till sampling, rock geochemistry, petrographic studies, alteration patterns and structural interpretation from photogrammetry and air magnetic surveys suggest the newly discovered gold rich quartz carbonate boulders on the Peter Lake Property resemble in many ways “Greenstone hosted Quartz carbonate vein deposits”.

Other potential mineral deposit models should not be ignored as possible hosts for gold and base metals at the Peter Lake Property. These include Iron formation hosted gold and komatiite copper-nickel deposits.

8.1 Greenstone hosted Quartz Carbonate vein deposits (Orogenic Gold deposits)

Greenstone hosted quartz carbonate vein deposits are most abundant in Archean greenstone terrains throughout the world and occur along major ‘crustal scale” fault zones marking a broad boundary between volcanic and sedimentary domains. They are intimately associated with mafic and ultramafic flows and intruded by intermediate to felsic intrusions. They are structurally controlled epigenetic gold deposits that are hosted in highly metamorphosed terranes. These model types are distributed along major compressional to trans-tensional crustal-scale fault zones in deformed greenstone terranes commonly marking the convergent margins between major lithological boundaries, such as volcano-plutonic and sedimentary domains. The large greenstone hosted quartz-carbonate vein deposits are commonly spatially associated with fluvio-alluvial conglomerate (e.g. Timiskaming conglomerate) distributed along major crustal fault zones (e.g. Destor Porcupine Fault). (Dube 2007)

The greenstone-hosted quartz-carbonate vein deposits correspond to structurally controlled complex epigenetic deposits characterized by simple to complex networks of gold-bearing, laminated quartz-carbonate fault-fill veins. These veins are hosted by moderately to steeply dipping, compressional brittle-ductile shear zones and faults with locally associated shallow-dipping extensional veins and hydrothermal breccias. The deposits are hosted by greenschist to locally amphibolite-facies metamorphic rocks of dominantly mafic composition and formed at intermediate depth (5- 10 km). The mineralization is syn- to late-deformation and typically post-peak greenschist -facies or syn-peak amphibolite- facies metamorphism. They are typically associated with iron-carbonate alteration. Gold is largely confined to the quartz-carbonate vein network but may also be present in significant amounts within iron-rich sulphidized wall-rock selvages or within silicified and arsenopyrite-rich replacement zones.

The main gangue minerals in greenstone-hosted quartz carbonate vein deposits are quartz and carbonate (calcite, dolomite, ankerite, and siderite) white micas, chlorite, tourmaline, and sometimes scheelite. The sulphide minerals typically constitute less than 5 to 10% of the volume of the orebodies. The main ore minerals are native gold with, in decreasing amounts, pyrite, pyrrhotite, and chalcopyrite and occur without any significant vertical mineral zoning. Arsenopyrite commonly represents the main sulphide in amphibolite-facies rocks (e.g. Con and Giant) and in deposits hosted by clastic sediments. Trace amounts of molybdenite and tellurides are also present in some deposits, such as those hosted by syenite in Kirkland Lake.

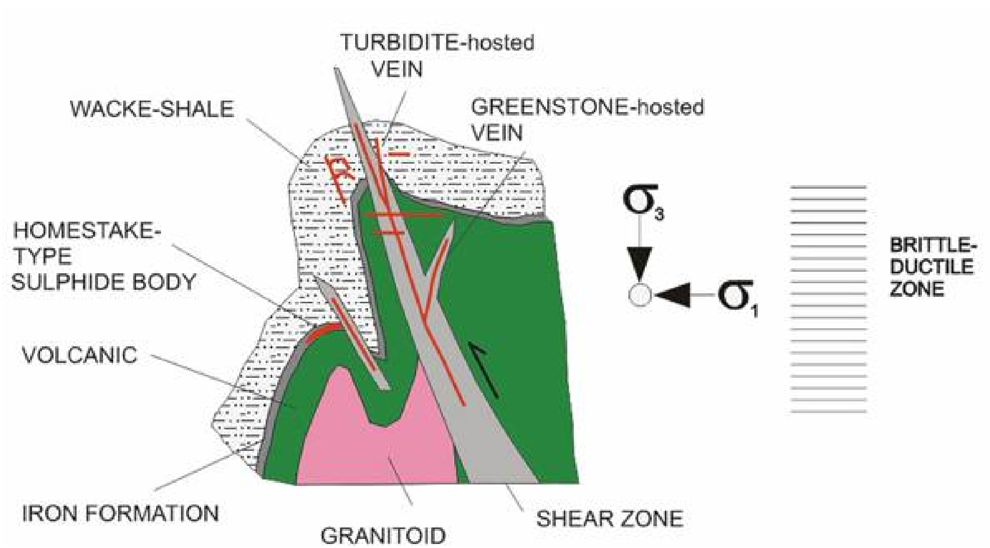


Figure 13: Greenstone-hosted Quartz Carbonate vein deposits (after Dube and Gosselin, 2007)

Stock-works and hydrothermal breccias may represent the main mineralization styles when developed in competent units such as the granophyric facies of differentiated gabbroic sills, especially when developed at shallower crustal levels. Ore-grade mineralization also occurs as disseminated sulphides in altered (carbonatized) rocks along vein selvages. Due to the complexity of the geological and structural setting and the influence of strength anisotropy and competency contrasts, the geometry of vein networks varies from simple to complex with multiple orientations of anastomosing and/or conjugate sets of veins, breccias, stock-works, and associated structures.

At a district scale, greenstone-hosted quartz-carbonate vein deposits are associated with large-scale carbonate alteration commonly distributed along major fault zones and associated subsidiary structures. At a deposit scale, the nature, distribution, and intensity of the wall-rock alteration is controlled mainly by the composition and competence of the host rocks and their metamorphic grade."

8.2 Iron Formation hosted Gold

A proven deposit type in the Rankin Inlet greenstone belt is iron formation-hosted gold at Meliadine Lake (Tiriganiaq deposit as one example). Here the gold commonly occurs in a network of quartz veinlets or as fine disseminations associated with pyrite, pyrrhotite and arsenopyrite hosted in iron formation and adjacent rocks within volcanic or sedimentary units. These two subtypes are briefly described below:

- **Pyrrhotite-rich lode gold** in banded quartz-magnetite **iron formation** exhibiting a strong magnetic signature. Alteration with the pyrrhotite rich iron formation is commonly quartz carbonate veins with overprints of hornblende, biotite, and calcite. Pyrrhotite commonly replaces magnetite.
- **Pyrite-arsenopyrite lode gold** in lean, quartz veins, stock-works and sheeted vein complexes within structures associated with the Pyke Break. Alteration assemblages with the pyrite-arsenopyrite iron formation is quartz carbonate veins with siderite, chlorite, biotite and grunerite.

Deposits of this type commonly occur adjacent to regional structural breaks and intersecting low angle structures near contacts between ultramafic flows (komatiites), basalts and turbidite sedimentary rocks. They may extend for tens of kilometres along strike a grade in zones of siliceous pyrrhotitic argillite. Local structures and traps within these breaks often act as host to mineralization. Sulphides with gold are present as disseminations in the iron formation and within neighboring wallrock. Mineralization is believed to be related to either deep hydrothermal fluids deposited into chemically and structurally favorable environments or syngenetic deposits occurring as exhalative environments on the sea floor (McMillan, R.H., 1996).

8.3 Komatiite hosted Copper-Nickel

Copper-nickel sulphide mineralization is associated with ultramafic (komatiitic - high MgO) volcanic flows and sills of Archean age. The komatiitic flows are generally thin layered units, laterally extensive and exhibit the characteristic spinifex texture. Associated rocks are basalts, felsic volcanics and sulphide-bearing clastic and chemical sedimentary rocks, including iron formation (DuBray, E., 1995).

Pyrrhotite, pentlandite, chalcopyrite and pyrite are common minerals, with lesser amounts of magnetite, chromite, and cobaltite.

Mineralization can occur in two forms:

- sulphide-rich massive, breccia, and stratabound lenses and tabular bodies of pyrrhotite, pentlandite, and chalcopyrite at the base of the host ultramafic flows and sills. These tend to be relatively small and high grade.
- sulphide-poor internal lenses that consist of disseminations and sparsely-dispersed blebs of pyrrhotite and pentlandite. These tend to be large and low grade. Structural remobilization commonly occurs into vein, breccia, and fault zones.

Photo 8: Typical spinifex texture in komatiite flow (L-weathered, R-fresh)

In Kambala, Australia, Ni:Cr/Cu:Zn geochemical ratios have been used to identify enriched nickel and copper background and depleted chromium and zinc backgrounds to prioritize targets for mineral exploration. Chromium is associated with low MgO rocks and zinc is typically a sediment associate. If the ratio is close to one or greater, the ultramafic komatiite flows are considered highly prospective.

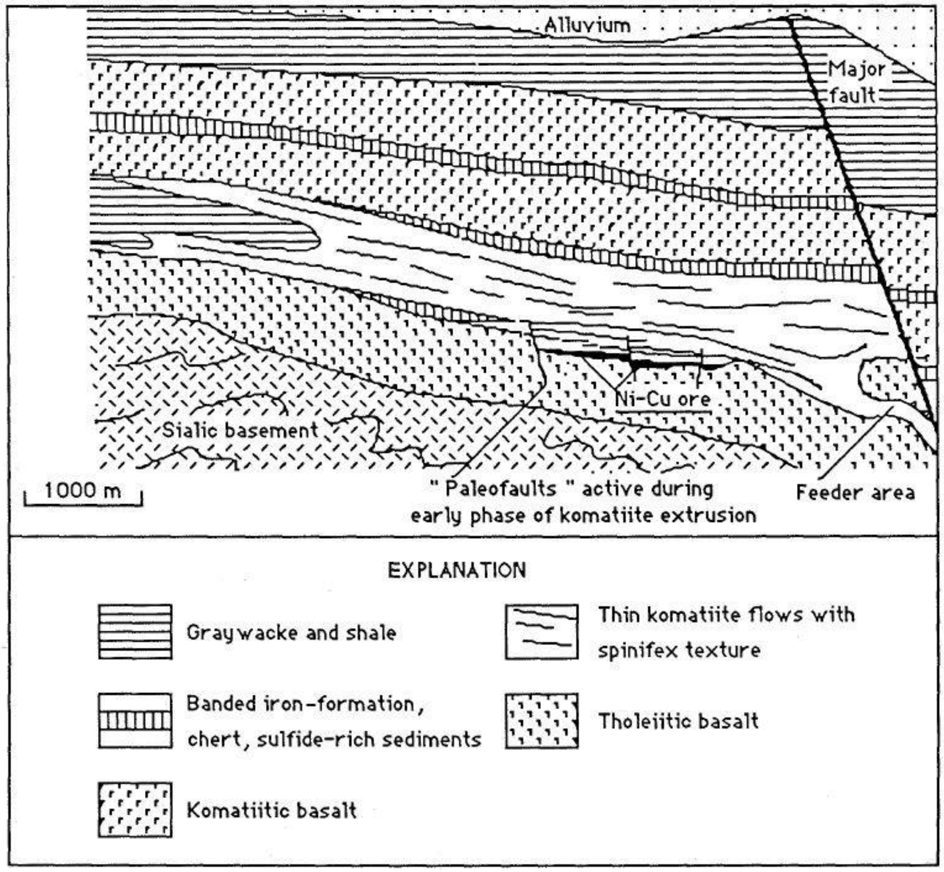


Figure 14: Cross section showing model for Iron formation hosted gold (Iron formation units in stipple) and komatiite related Copper-Nickel deposits (basal units) in the Rankin Inlet greenstone belt

9. EXPLORATION BY NXG

No work has been completed by NXG.

10. DIAMOND DRILLING – by Meliadine, 2012

Seven diamond drill holes (1331.15 metres) were completed in 2012 along the eastern portion of the Property. The objective of the drill program was to test several different types of coincidental electromagnetic and magnetic anomalies along the eastern section of the current Peter Lake Property. The drill targets were broadly identified by an airborne survey conducted by Aeroquest Ltd. in September, 2010.

In April and May 2011 ground electromagnetic and magnetic geophysical surveys were conducted by Patterson Geophysics Inc. over some of the airborne anomalies to further refine these drill targets.

The resulting drill hole database contains core descriptions, recovery, detailed magnetic susceptibility along with assays for gold. The drill collar locations were spotted and recorded by handheld global positioning system (GPS). Drill core size is NQ (outside diameter of 71 millimetres).

The drill contractor was Boart Longyear Limited based in Saskatoon, Saskatchewan.

Hole Number	UTM Easting	UTM Northing	Length (m)	Azimuth	Dip
CNPL – 12 – 1B	523070	6999550	284	360°	-65°
CNPL – 12 – 2	523937	6999700	242	210°	-55°
CNPL – 12 – 3	523221	6999127	186.15	70°	-55°
CNPL – 12 – 4	524174	6997961	249	115°	-55°
CNPL – 12 – 5	523933	6997780	251	115°	-55°
CNPL – 12 – 6	524277	6997696	209	115°	-55°
CNPL – 12 – 7	524111	6997254	136	160°	-50°
			1331.15		

Table 14: Drill collar locations – Meliadine Gold Ltd 2012

10.1 Drilling results - 2012

The diamond drilling intersected a series of inter-bedded mafic metavolcanic rocks and metasediments. The mafic volcanic rocks are primarily flows with secondary porphyritic mafic dykes. The metasedimentary rocks are interlayered greywacke and siltstone. Overall metamorphism is interpreted to be upper greenschist to lower amphibolite facies.

The drill core is variably altered with silicification, potassium enrichment and chloritization. Patchy calcite and calcite associated with quartz veins are common. Sulphides including pyrite and pyrrhotite occur as disseminations, veinlets, and stringers. Locally traces of chalcopyrite were noted. There is minor sulphide (py, po) mineralization in quartz veins however most the sulphides appear to be primary.

No mineralized intercepts of economic value were identified. Due to the lack of surface outcrop the relationship to sample length and potential mineralization is unknown. Core recovery averaged between 90 to 100%. Drill sections with basic geological descriptions are included in Appendix III.

All core boxes have been stacked at UTM co-ordinate 524210E, 6998180N.

Drill hole	Overburden m	Ground EM Grid name	Target type	Likely cause of anomaly
CNPL-12-01B	20.8	North of PL-Northwest	Dominant east/west magnetic high from airborne	Interbedded metasediments with patchy magnetite from 20.8m to 83.25. Includes cherty sections.
CNPL-12-2	16.6	West of PL-North	Dominant east/west magnetic high from airborne	Interbedded siltstone and wackes with garnet and patches of magnetite from 87.9 to 112.5m. Core has high magnetic susceptibility.
CNPL-12-3	18.5	PL-North	HLEM and mag anomaly	Pyrrhotite dominant from 70.9 to 77.8m. Thick stringers, fracture fills to disseminations
CNPL-12-4	11.9	PL-Main	HLEM and mag anomaly	Pyrrhotite zone from 121 to 130.7m.
CNPL-12-5	11.5	PL-Main	Mag anomaly along inferred edge of ultramafic plug	unknown
CNPL-12-6	6.7	PL-Main	HLEM and mag	2-5% local pyrrhotite, minor graphite in silica flooded sediments. 51.3 to 83.2m
CNPL-12-7	4.4	PL-Main	EM	Trace pyrrhotite 11.3 to 22.3m. Cause unknown

Table 15: Drill hole target location, anomaly type and likely anomaly cause

11. SAMPLE PREPARATION, ANALYSIS, AND SECURITY

11.1 Sample Preparation and Analysis – Drilling

Geological field crews contracted by MGL logged the drill core and marked the samples into 1 metre sections in preparation for cutting. Technicians then split the individual core lengths with a diamond saw, placed half the core in a sequence of pre-numbered bags and closed the bags with security clips.

The half core samples were transported by air to ALS Chemex Laboratories of Vancouver, BC for analysis. The remaining half drill core is located on the Peter Lake claims at NAD83 U15, 546315E 6965435N.

The sample pulps and rejects are currently stored with Glen Dickson of North Vancouver, BC., a principal of MGL.

ALS Chemex dried, crushed, split and pulverized the samples to 85% passing -75-micron size fraction (Lab code - Pul 31).

The 25-gram sample was analyzed for gold by aqua regia extraction with ICP-MS finish (lab code Au-ST43, ultra-trace level detection of 0.0001-0.1ppm Au). When gold results were above the 0.1 ppm upper limit threshold, the sample was re-analyzed by similar methods using a higher detection level of 100 ppm (lab code - Au-OG43). At this point, any samples analyzing over 1 ppm using the Au-OG43 code were automatically re-analyzed using the fire assay method with gravimetric finish (lab code - ME-GRA21)

A suite of 51 additional elements were analyzed for all drill core samples using the ultra-trace methods with ICP- MS finish (lab code ME-MS41).

ALS Chemex is an independent laboratory and has been accredited by the Standards Council of Canada conforming to requirements of CAN-P-1579, CAN-P-4E (ISO/IEC 17025:2005).

11.2 Quality Assurance - Quality Control (QA-QC) - Drilling

Standard reference material (SRM) was purchased from CDN Resource Laboratories Ltd. (CDN) in Vancouver. Neither blank SRM inserts nor drill core duplicates were collected by MGL.

The standard reference material included a medium grade gold standard CDN-GS-4C, a high-grade gold standard CDN-GS-14A (source material from the Tiriganiaq gold deposit near Rankin Inlet) and multi-element standard CDN-ME-9. Average analysis with corresponding standard deviation of each certified standard material is available from CDN.

All three gold standards were used during this core sampling campaign, one of each of the standard was inserted into the sample sequence every 15 samples.

Simple quality control graphs show the degree of consistency for gold analysis between the known SRM and each batch of samples shipped to the lab. A +/-3 standard deviation (SD) limit was used to gauge the consistency for gold analysis. Any batch with an SRM analysis beyond +/- 3 SD is generally repeated in the lab.

A control chart for SRM# CDN GS-14A from each batch of samples sent to the laboratory does not show any irregular analysis outside 3SD. These are tabled below. Charts for SRM# CDN-GS-4C and CDN-ME-9 are not included.

CDN Labs	**SRM ID**	**Accepted mean value (Au g/t)**	**+/- SD g/t Au**	**(+2SD) g/t Au**	**(-2SD) g/t Au**	**(+3SD) g/t Au**	**(-3SD) g/t Au**
Medium grade	CDN-GS-4C	4.26	0.22	4.70	4.04	4.92	3.82
High grade	CDN-GS-14A	14.90	0.87	16.64	13.16	17.51	12.29

Table 16: Gold Standard Reference Material Specifications - CDN Resource Labs

CDN Labs	**SRM ID**	**Accepted mean value (Cu %)**	**+/- SD % Cu**	**(+2SD) % Cu**	**(-2SD) % Cu**	**(+3SD) % Cu**	**(-3SD) % Cu**
Multi-element	CDN-ME-9	0.654	0.036	0.726	0.582	0.762	0.546

Table 17: Multi-element Standard Reference Material Specification - Copper - CDN Resource Labs

Analysis on standard insert CDN-GS-14A for seven different sample shipments or lab batches were checked including drill holes CNPL-12-1B (batch YW12123734), CNPL-12-02 (batch YM12124501), CNPL-12-03 (batch YW12124504), CNPL-12-4 (batch YW1216348), CNPL-12-5 (batch YW12129859), CNPL-12-6 (batch YW12138360) and CNPL-12-7 (batch YW12140211).

Eight SRM inserts into seven batches of core samples all assayed within +/- 2 SD of the reference norm (14.90 g/t Au).

Batch/Shipment	SAMPLE	Hole	TYPE	Method	Au g/t
YW12123734	N941575	CNPL-12-1B	GS14A	Au-OG43	15.90
YW12123734	N941665	CNPL-12-1B	GS14A	Au-OG43	14.15
YW12138360	N412740	CNPL-12-6	GS14A	Au-OG43	14.00
YW12140211	N412830	CNPL-12-7	GS14A	Au-OG43	14.15
YW12129859	N412650	CNPL-12-5	GS14A	Au-OG43	15.10
YW1216348	N412560	CNPL-12-4	GS14A	Au-OG43	15.05
YW12124504	N941890	CNPL-12-3	GS14A	Au-OG43	15.40
YM12124501	N941785	CNPL-12-2	GS14A	Au-OG43	15.65

Table 18: Analysis for Standard Reference Material CDN-GS-14A

For a description of sampling, preparation and analysis for the till gold grain count and geochemical analysis please refer to section 6.3.1

11.4 Opinion

It is the author's opinion that the adequacy of the sample preparation, security, and analytical procedures used for the 2012 drilling and the 2009 through 2016 till collection campaigns have met or exceeded industry standards.

12. DATA VERIFICATION

The author visited and worked on the property during September 12th to September 15th, 2009, July 11th to July 17th, 2013, July 31st to August 6th, 2014, July 8th to July 15th, 2015, July 14th to July 24th, 2016 and September 9 to September 10th, 2016. At that time, the author assisted with till sampling and rock sampling, prospecting, geological mapping, and overall interpretation of results.

The author did not visit the Property during the 2012 drill campaign but on subsequent visits in 2014 and 2015 did locate all 6 drill collars or other various markers representing geochemical and/or geophysical survey work.

All drill hole collar locations were checked and verified in the field with handheld GPS by the author. These locations match the drill locations recorded in the current database. Drill collars are marked with wooden pickets with metal tags indicating the hole number.

During the last seven years, the author collected 77 rock samples on the Property and recorded these GPS locations to the current rock sample database in the Appendix I. The author also visited rock sample sites recorded by other MGL workers where gold assays were greater than or equal to 0.5 grams per tonne gold. The location of these sites was verified by GPS and match the same locations in the rock sample database. They are marked by orange flagging and/or metal tag with the corresponding sample number.

The author located and verified by GPS many of the till sample sites that had a 'pristine' gold grain count of greater than 30 grains. These locations match what is in the till sample database in Appendix II.

Photo 9: Drill collar, CNPL-12-06 (Cuttle, 2013)

12.1 Opinion

It is the opinion of the author that all data regarding the Peter Lake Property was collected to industry standard and is of sufficient quality for the purposes of this report.

13. MINERAL PROCESSING AND METALLURGICAL TESTING

No metallurgical testing or mineral processing has been completed on the Peter Lake Property.

14. MINERAL RESOURCE ESTIMATE

No resource estimates have been completed on the Peter Lake Property.

15. ADJACENT PROPERTIES

Not applicable

16. OTHER RELEVANT DATA AND INFORMATION

No other relevant data or information is known about the Peter Lake Property.

17. CONCLUSIONS

The Property contains at least two newly discovered gold rich areas on the east and west sections of the Peter Lake Property claim block, separated by the north-northwest trending regional Dickson Pyke fault.

The "Eastern Fold Structure" (EFS) area has three newly discovered zones with gold in quartz vein float material. These are locally termed the Hinge, RB, and GD zones. Nine of the twenty angular quartz vein float samples collected in these zones assay greater than 1 gram per tonne gold with local highs of 16.8 and 38 grams per tonne gold. The quartz occurs as small veins or veinlets, at times networks with local pitted zones of weathered pyrite.

Quartz float material is commonly less than 50 centimetres in size, angular and probably not far removed from source. Host rock to the quartz veins is non-magnetic and varies from mafic to intermediate metavolcanics, ortho and paragneiss and granitic to diorite gneiss. Besides pyrite, traces galena, sphalerite and pyrrhotite are recognized but are not common. The Eastern Fold Structure is interpreted to trend north northwest over 8 kilometres where it is likely cut by a thrust fault near the northern claim boundary.

The "Western Magnetic Linears" (WML) area has three newly discovered gold rich zones locally named the 282, RIL and Island zones. Recent prospecting and rock sampling in 2015 and 2016 along obvious magnetic high trends identified several areas of metre scale amphibolite float boulders with pitted pervasive carbonate alteration, quartz veining, quartz/calcite/magnetite alteration including local zones of ankerite, sericite and biotite. The magnetic linears vary from less than 1 kilometre to over 4 kilometres in length and are commonly less than 100 metres wide.

Fifteen of the fifty-one angular quartz float rock samples collected from these zones in the WML assay greater than 1 gram per tonne gold with highs of 451, 65 and 17 grams/tonne gold. These zones are associated with other angular surface boulders suggesting an envelope of pervasive carbonate and magnetite enrichment in the host rocks. Gold is associated with hard, clean quartz, minor pyrite, chalcopyrite, galena and sphalerite with accessory sericite, tourmaline, pyrrhotite, biotite, calcite, ankerite and albite.

Definite zones within both the EFS and WML areas are at a stage for drill testing, specifically in zones with a higher concentration of newly discovered gold rich float material at the RIL and RB zones. A fence of shallow drill holes would help identify geology, alteration and structure of any underlying rock type hosting or flanking gold mineralization and further allow a better understanding as to the source of the gold rich boulders found on the surface.

Geological mapping is best guided with air magnetics, air resistivity, rock sampling and detailed prospecting. Caution with detailed geological interpretation should be exercised due to the extensive but thin till cover and general lack of bedrock exposure on the Property

Other points of interest on the Peter Lake Property are highlighted below;

- Only a small portion of the “Western Magnetic Linears” have been prospected in detail by MGL There is a common association with the magnetic high features, pervasive carbonate alteration and gold in quartz mineralization. Prospecting should be considered high priority along these linear features.

- Recent work by MGL has isolated significant geochemical till sample anomalies that have been identified by microscope to contain pristine gold and copper grains. This work has helped with the discovery of mineralized quartz float east and west of the Dickson-Pyke fault. However, many gold grain in till anomalies remain to be investigated in detail particularly along the fold limbs of the Eastern Fold Structure.

- Additional till sampling on the western half of the Peter Lake Property is required to infill large areas that were not covered during MGL’ field work. Gold grain counts from till sampling have been critical in guiding prospecting and geological mapping, towards the discovery of all newly located float material.

- Interpretations of previous gravity, magnetic and electromagnetic airborne surveys by WMC and more recent airborne and ground EM surveys by MGL support the fact that metavolcanic and metasedimentary rocks of the Rankin Inlet Group underlie the Peter Lake Property claims. Interpretation of these data are critical to identify geological contacts, lithological trends, and other structural features such as faults and zones of magnetic alteration hosting gold or possible copper-nickel-PGE mineralization.

- Three geological models for gold and nickel-copper-PGE mineralization are proposed for the Peter Lake Property area. 1.) Greenstone Hosted Quartz Carbonate vein deposits are most abundant in Archean greenstone terrains throughout the world and occur along major ‘crustal scale” fault zones marking a broad boundary between volcanic and sedimentary domains. In Canada, they are the main source of gold in the Superior and Slave provinces as evidenced by the Timmins – Val D’or and Red Lake camps. 2.) Iron formation hosted gold represented by linear airborne magnetic and electromagnetic anomalies and 3.) komatiite hosted copper-nickel-PGE deposits represented by distinct density gradients between contrasting rock types.

- A large 4 kilometre by 2.5-kilometre gravity high anomaly located in the eastern section of the Peter Lake Property claim suggests a possible buried ultramafic intrusive plug or sill. An anomalous till zone of copper-nickel occurs along its southern boundary and remains unexplained.

- Several zones of anomalous conductivity have been identified from airborne data interpretation including Zone H which may represent a response characteristic of a kimberlite intrusion. Indicator minerals can be verified using the reject material from the till sampling by MGL.

- In 2012, MGL completed a horizontal loop electromagnetic survey (HLEM) on five grids that detail previously identified airborne magnetic and EM anomalies at the Peter Lake Property. A total of six HLEM conductors were located, three were drill tested and three remain untested.

- Seven drill holes were completed by MGL. The holes tested electromagnetic conductors along the edges of the inferred ultramafic plug (gravity high anomaly) in the eastern part of the property and linear magnetic high anomalies representing possible iron formation. All holes intersected alternating sequences of metavolcanics, magnetite rich metasedimentary rocks and smaller graphite and pyrrhotite rich siliceous sediments. No ultramafic rocks or distinct iron formation units were intersected.

18. RECOMMENDATIONS

It is recommended that the Peter Lake Project be explored further in 2 phases of work.

In connection with that exploration, it is also recommended an 'onsite camp' be constructed to accommodate an anticipated crew of 12, including a five-member drill crew and six geological staff and one cook. Camp should be constructed close to water so supplies could be brought in by float plane. Daily helicopter support will be necessary and inquiries about permits and planning should be made with local operators.

18.1 Rock/Till sampling, mapping, and prospecting – Phase 1

It is recommended that the following program of rock/till sampling, mapping and prospecting be completed as part of the Phase 1 exploration program:

- Collect additional 'frost boil' till samples particularly in the western half of the Property where previous till sample programs by Meliadine Gold were either widely spaced or not covered at all. Ideal results would have a sample density of 500 metre or less. Samples should be sent to ODM (Overburden Drilling Management) for gold grain count as well as geochemical analysis with an accredited laboratory.
- Prospecting, rock sampling and geological mapping along the distinct magnetic high linears on the western side of the Dickson-Pyke fault (Western Magnetic Linears). Gold rich quartz float at the 282, RIL and Island zones all occur within strong magnetic high. When prospecting these magnetic lineaments, attention should be given to shorelines that have been exposed to the prevailing northwest wind directions where general wave action and wind erosion over time has swept many of the surface boulders free of cover and in some cases the underlying sandy till.
- Prospecting and rock sampling the eastern side of the Dickson-Pyke fault (Eastern Fold Structure) in areas between the Hinge, RB, and GD zones. Look for subtle indications of potential gold mineralization in varying rock types that host small quartz networks or stock-works of quartz veining generally with little or no sulphide stain and along the perceived hinge and nearby limbs of the Eastern Fold Structure. Several anomalous till samples with high 'pristine' gold grain counts located along the eastern limb of the fold have not been prospected in detail. This includes till samples S-178, 183, 186, 226 and 254.

Trenching is not recommended at any of the mineralized gold zones. The general thickness of the glacial tills and loose blocky regolith covering solid bed rock makes mapping and sampling problematic.

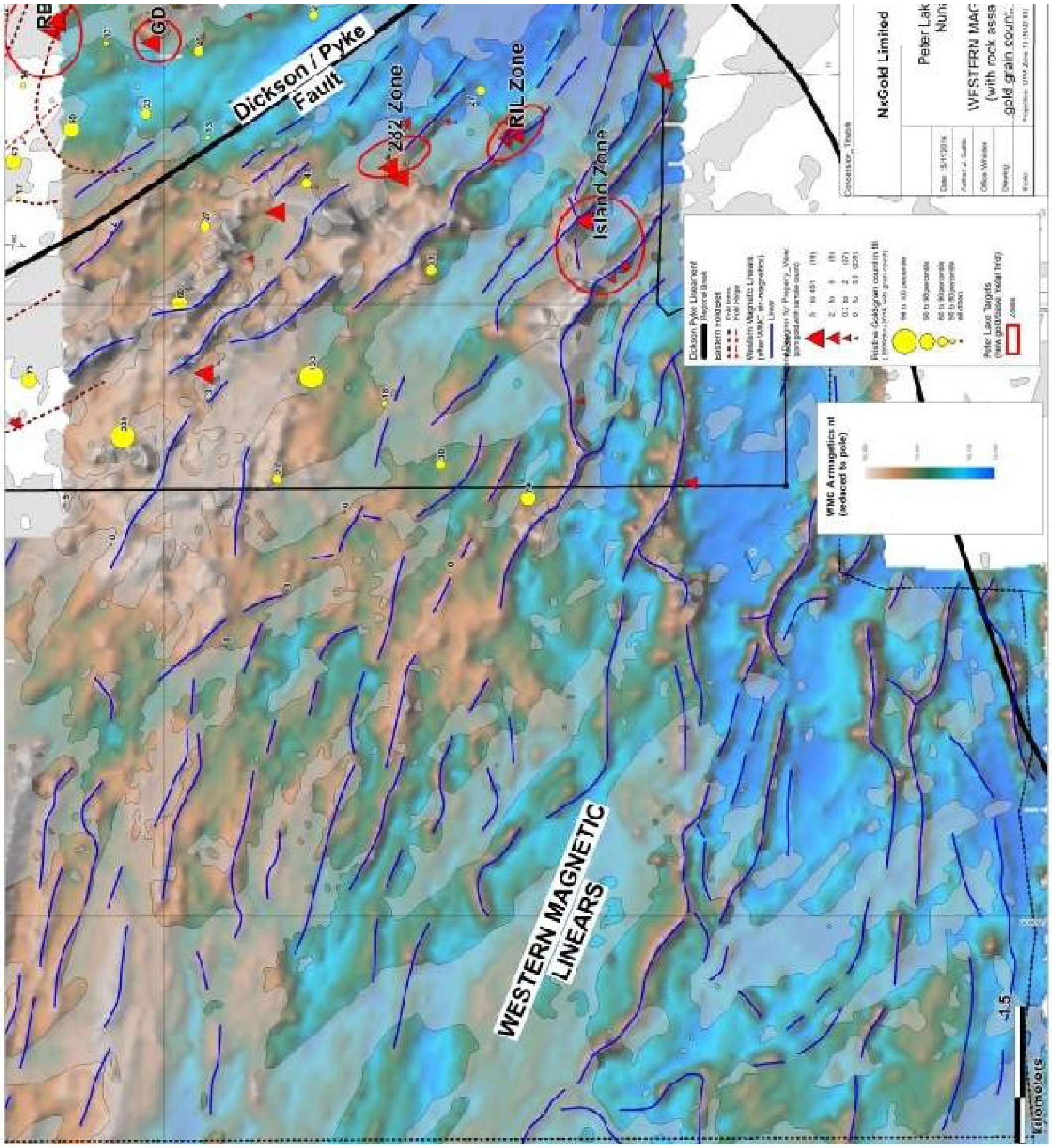


Figure 15: Western Magnetic Linear Area (WML) - showing regional magnetic high trends

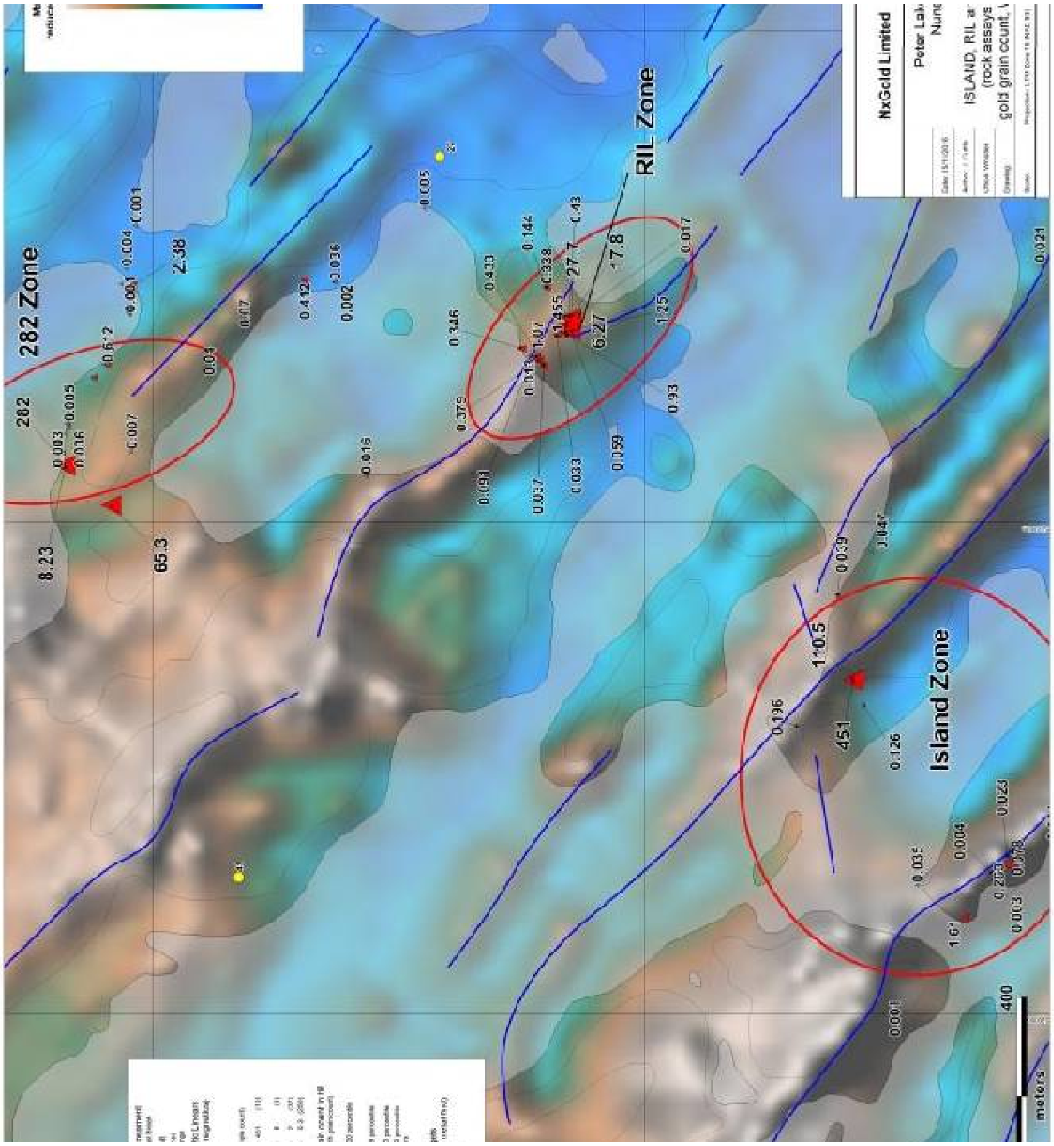


Figure 16: Close-up, Island, RIL and 282 Zones (WML) with air magnetics and rock assays for gold

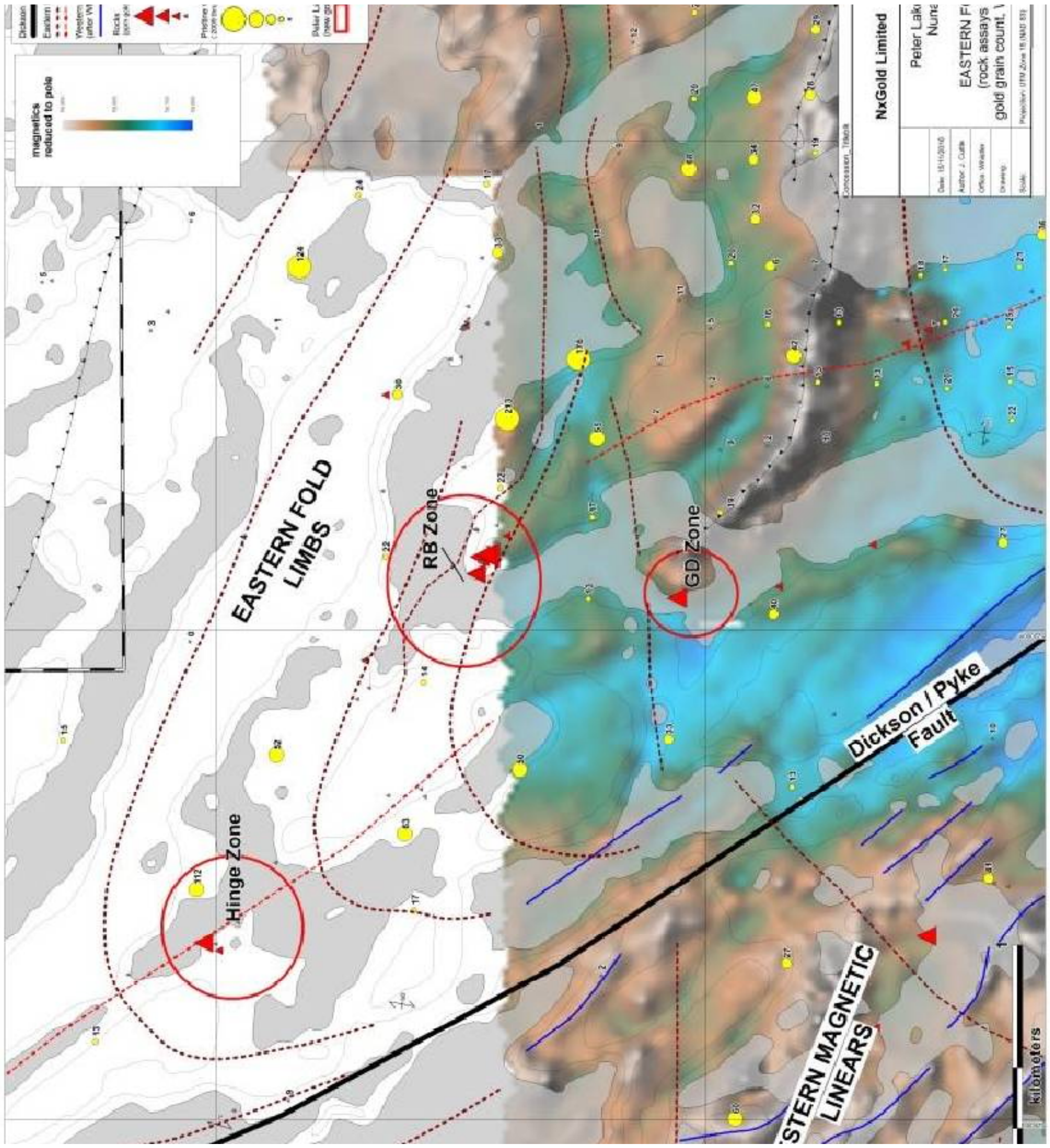


Figure 17: Eastern Fold Limbs or Structure (EFS) with fold structures along the Hinge, RB, and GD zones

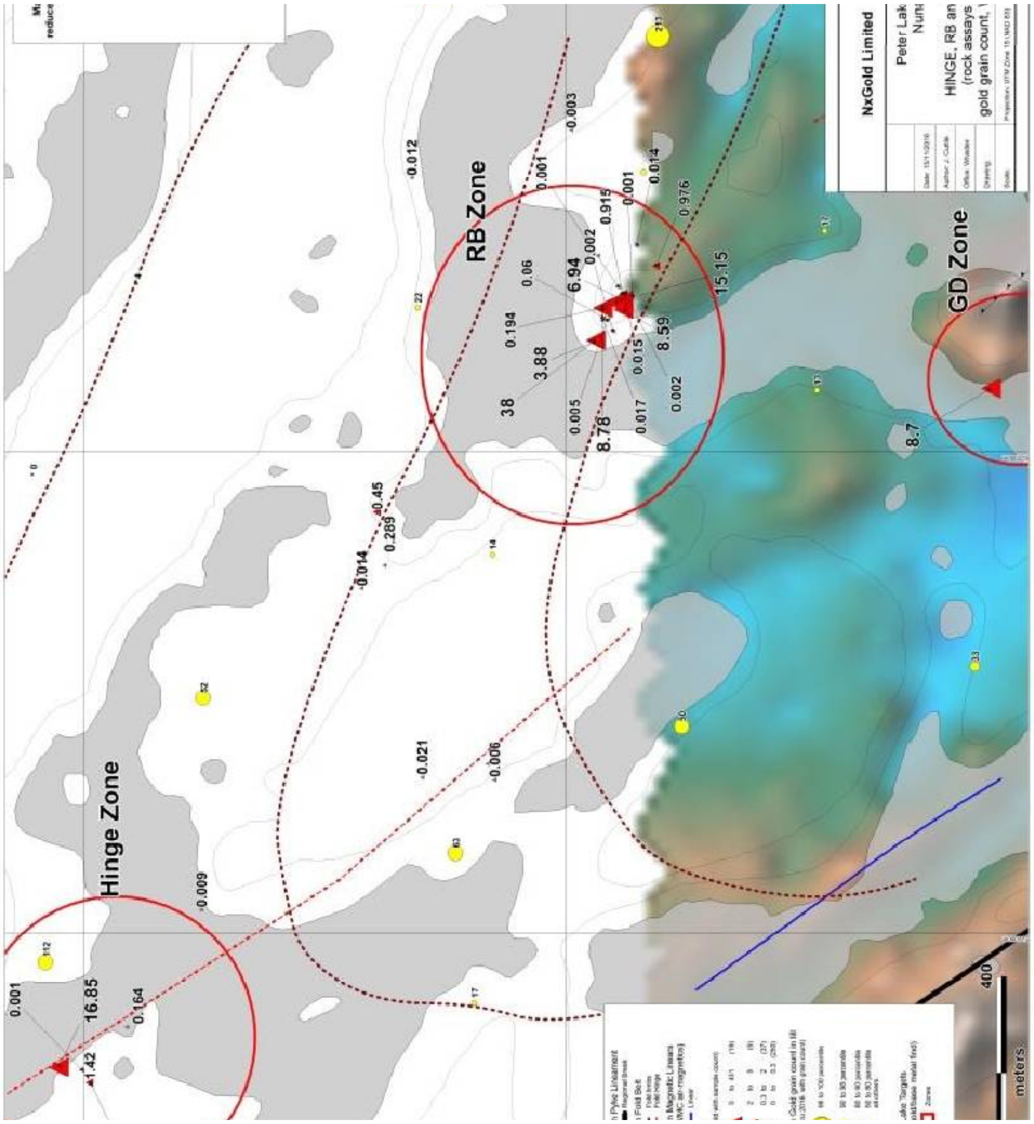


Figure 18: Close-up, Eastern Fold Limbs or Structure (EFS), with rock assays for gold

18.2 Drilling – Phase 1

Approximately 2,000 metres of NQ core drilling is also recommended as part of the Phase 1 exploration program to test newly discovered gold zones at the Peter Lake Property. Both the EFS and WML areas currently have targets or zones at the drill stage, specifically where areas of higher concentration of newly discovered gold rich quartz float material (RIL and RB zones) occur. As the initial rock sampling and prospecting programs progress, these drill targets may be changed or upgraded depending on results of the initial field work.

At this stage, two drill fences each with 3 to 4 angled drill holes with lengths no longer than 80 metres each would cross-cut gold rich quartz float locations at the RIL and RB zones. This would best capture geology, alteration, and structure of any underlying mineralization, including the possible source of the gold rich boulders found on the surface.

Total proposed drilling at the RIL and RB zones is 1,000 metres. This leaves an additional 1,000 metres of drilling for other targets developed during the initial phase 1 field work.

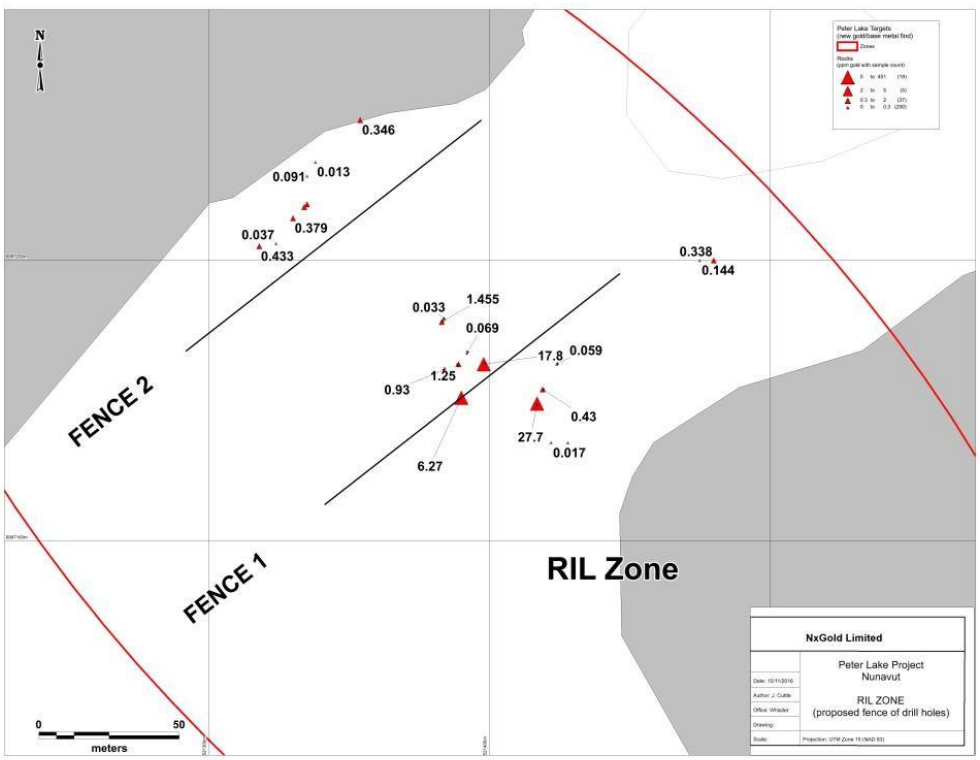


Figure 19; Proposed drill hole fence - RIL Zone – Western Magnetic Linear area

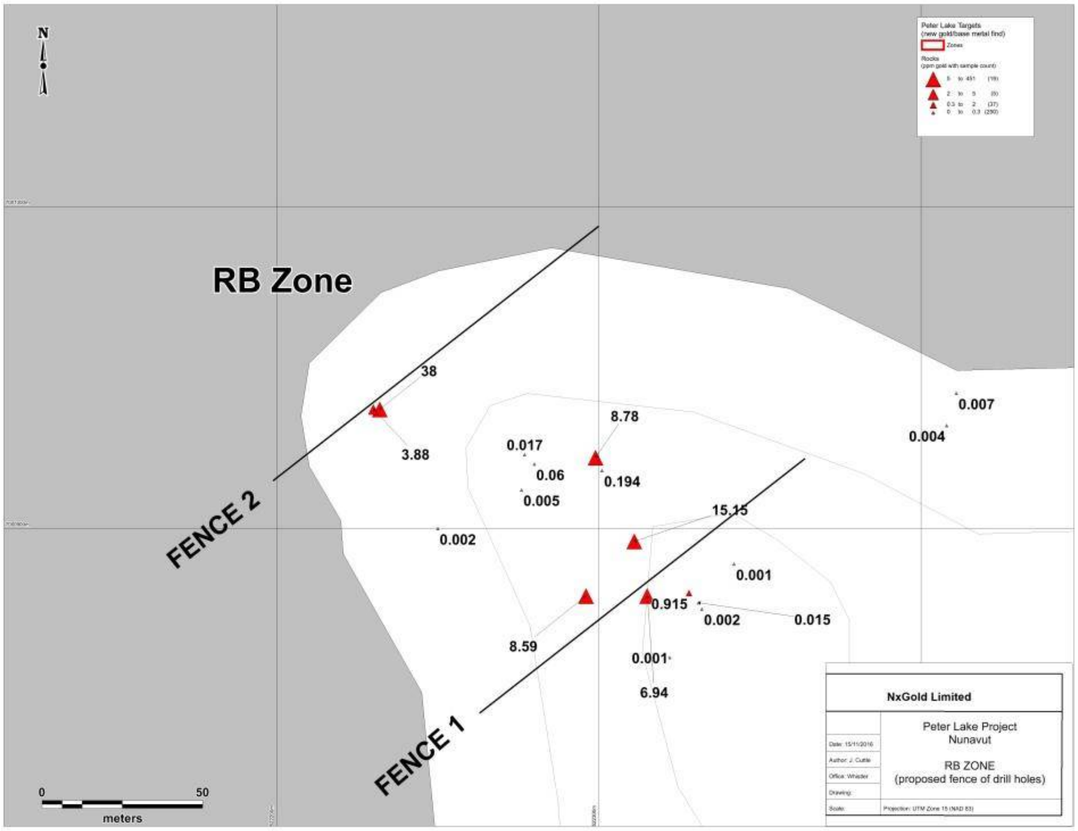


Figure 20: Proposed drill hole fence - RB Zone – Eastern Fold Limbs or Structure area

Work Type	Totals ($Can)
Phase 1	
Drilling – 2,000 metres @ 400/m (with fuel and support)	$800,000
Helicopter / Fixed wing (130 hrs)	$150,000
Assays (800 till, rock and core samples)	$60,000
Expediting	$50,000
Supplies / Travel	$70,000
Salaries / Consultants / Contractors	$70,000
Freight	$40,000
Contingency	$60,000
Total	$1,300,000

Table 19: Phase 1 - Proposed Budget

18.3 Drilling – Phase 2

Assuming positive results are obtained from the recommended Phase 1 exploration program it is recommended that a Phase 2 exploration program be completed consisting of 5,000 metres of core drilling with the following budget.

Work Type	Totals ($Can)
Phase 2	
Drilling – 5,000 metres @ 400/m (with fuel and support)	$2,000,000
Helicopter / Fixed wing (300 hrs)	$375,000
Assays (1800 till, rock and core samples)	$150,000
Expediting	$125,000
Supplies / Travel	$175,000
Salaries / Consultants / Contractors	$175,000
Freight	$100,000
Contingency	$150,000
Total	$3,250,000

Table 20: Phase 2 - Proposed Budget

19. REFERENCES

Aeroquest International, 2010. Report on a Helicopter-Borne AeroTEM System Electromagnetic and Magnetic Survey. Job #10-073. Rankin Inlet, Nunavut. For G&E Dickson Enterprises Ltd.

Agnico Eagle website – http://www.agnico-eagle.com

Ash, Chris and Alldrick, Dani, 1996. Au-quartz veins, in Selected British Columbia Mineral Deposit Profiles. Volume 2 - Metallic Deposits, Lefebure, D.V. and Hoy, T., Editors, Open File 1996-13, pages 53-56.

Campbell, C., 2011. Airborne Geophysical Interpretation of the Peter Lake Survey. For G&E Dickson Enterprises. By Intrepid Geophysics Ltd.

Cuttle, J., 2012, Technical Report on the Peter Lake Project. Inuit Land Package RI 12-001. Kivalliq Region, Nunavut, Canada. Internal report prepared for Canada Nickel, Feb 2012.

Dubé, B., and Gosselin, P., 2007, Greenstone-hosted quartz-carbonate vein deposits, *in* Goodfellow, W.D., ed., Mineral Deposits of Canada: A Synthesis of Major Deposit-Types, District Metallogeny, the Evolution of Geological Provinces, and Exploration Methods: Geological Association of Canada, Mineral Deposits Division, Special Publication No. 5, p. 49-73.

DuBray, E., 1995. Preliminary compilation of Mineral Deposit Models. USGS, Open-File 95-831

Everest, J. et al, 2000, The 1999 geophysical, Geochemical and Geological Exploration Program on the Tan, Ant, and W1 Exploration Agreements. Meliadine Mining Joint Venture Property. Nunavut.

Hulbert, L.J. and Gregoire, D.C.1993, Re-Os isotope systematics of the Rankin Inlet Ni ores: An example of the application of ICP-MS to investigate Ni-Cu PGE mineralization and the potential use of the Os isotope in mineral exploration. Can. Min., 31, pp. 861-876.

Miller, A.R., Balog, M.J., Tella, S., 1995. Oxide iron-formation-hosted lode gold, Meliadine Trend, Rankin Inlet Group, Churchill Province, Northwest Territories, Canada; in Current Research 1995-C, Geological Survey of Canada, p. 163-174.

McMillan, R.H. (1996). Iron formation-hosted Au, in Selected British Columbia Mineral Deposit Profiles, Volume 2, Metallic Deposits, Lefebure, D.V. and Hoy, T., Editors, Open File 1996-13, pages 63-66.

Overburden Drilling Management website – http://www.odm.ca

Stevens, M., 2002, Dighem Survey for WMC International Limited. Meliadine West Joint Venture. TW. NS 55J/13, 55K/16, 55N/1,2, 55O/4. Fugro Airborne Surveys Corp, Mississauga, Ontario.

Tella, S., Schau, M., Armitage, A.E., Seemayer, B.E. and Lemkow, D. 1992. Precambrian geology and economic potential of the Meliadine Lake - Barbour Bay Region, District of Keewatin, Northwest Territories.

In: Current Research, Part C, GSC Paper 92-1C, pp. 1-11.

Tella, S., Schau, M. 1994. Geology, Gibson Lake east half. District of Keewatin, Northwest Territories, Geological Survey of Canada. Open File 2737 including notes.

Tykajlo, P., 2011, Peter Lake Project. 2011 Ground geophysics Survey Interpretation. Comments and Recommendations. GeoVector Management Inc. for Canada Nickel Inc.

20. DATE AND SIGNATURE PAGE

This report titled "Technical Report on the Peter Lake Project, Kivalliq Region, Nunavut, Canada" having an effective date of January 10, 2017 was prepared and signed by the following author:

(Signed and Sealed) "*Jim F Cuttle*"
Jim F. Cuttle P.Geo.

Dated Whistler, BC
January 19, 2017

APPENDIX I Rock sample assays - Peter Lake Property, 2009- 2016

Rock Samples - PeterLake property

1

Sample#	Sampler	east_83	north_83	elev m	Au_ppb	Au_ppm	Ag_ppm	As_ppm	Cu_ppm	Pb_ppm	Zn_ppm	Ni	Co	Mn	Cert	Area	type	year
JC-1	JC	523264	6999218	60	61	0.061	0.2	7.7	85.9	5.5	27	14.1	4.3	156	VAN09004369		boulder	2009
JC-2	JC	523319	6999133	56	298	0.298	0.2	8.4	328.9	9.5	104	57.7	58	1635	VAN09004369		boulder	2009
JC-3	JC	523998	6998294	52	45	0.045	0.9	4.6	930.4	3.3	31	327.8	243.9	244	VAN09004369		boulder	2009
JC-4	JC	523943	6998341	52	20	0.02	0.1	36.7	605.8	1.3	3	145.3	94.4	87	VAN09004369		boulder	2009
JC-5	JC	524332	6997668	52	27	0.027	8.7	265.2	633.8	3508.4	1347	90.8	28.8	32	VAN09004369		boulder	2009
JC-6	JC	524539	6997238	45	5	0.005	0.1	12.1	70	7.7	54	65.1	27	1049	VAN09004369		boulder	2009
JC-7	JC	524965	6996970	54	13	0.013	0.3	8.6	28.6	20.8	59	2.7	0.8	47	VAN09004369		boulder	2009
JC-8	JC	524798	6996873	54	2	0.002	0.6	9.8	580.5	5.3	1559	78.3	50.9	105	VAN09004369		boulder	2009
JC-9	JC	524940	6996130	50	20	0.02	9.4	80.7	136.9	1651.6	407	4.8	5.1	49	VAN09004369		boulder	2009
E-01	EC	524671	6997088	53	10	0.01	0.3	310	302	2	225	62	43	224	VA11210257		boulder	2011
E-02	EC	525113	6997161	58	9	0.009	0.6	3	332	2	42	26	13	838	VA11210257		boulder	2011
E-03	EC	525307	6998127	51	5	0.005	0.3	2	170	4	682	70	40	351	VA11210257		boulder	2011
E-04	EC	524268	6997955	56	19	0.019	0.7	3	840	5	31	81	52	169	VA11210257		boulder	2011
E-05	EC	524412	6997210	54	5	0.005	0.5	60	278	2	9100	108	49	172	VA11210257		boulder	2011
E-06	EC	524127	6998807	42	23	0.023	0.3	80	82	21	159	52	62	232	VA11210257		boulder	2011
E-07	EC	525006	6995905	52	12	0.012	0.5	2	2480	2	1895	110	124	341	VA11210257		boulder	2011
E-08	EC	524837	6996133	55	18	0.018	0.6	86	432	10	949	94	67	120	VA11210257		boulder	2011
E-09	EC	521655	6999474	54	105	0.105	0.7	2	110	2	14	4	2	258	VA11210257		boulder	2011
E-10	EC	524851	6998650	59	8	0.008	0.3	9	407	2	1435	116	80	293	VA11210257		otc	2011
E-11	EC	525331	6999003	72	8	0.008	2.3	2	362	8	93	6	15	1390	VA11210257		boulder	2011
E-12	EC	523530	6996865	57	5	0.005	0.4	2	596	2	208	33	33	807	VA11210257		boulder	2011
E-13	EC	524226	6996548	51	7	0.007	0.6	5	1450	2	1675	277	138	171	VA11210257		boulder	2011
E-14	EC	524432	6997204	54	11	0.011	0.8	6	541	32	2630	64	44	114	VA11210257		boulder	2011
E-15	EC	524431	6998081	52	5	0.005	0.2	2	129	8	118	1	4	354	VA11210257		boulder	2011
N-01	NC	524350	6997033	64	5	0.005	0.2	2	39	2	11	4	1	76	VA11210257		boulder	2011
N-02	NC	524970	6996949	61	61	0.061	0.3	8180	286	2	6	785	80	73	VA11210257		boulder	2011
N-03	NC	524953	6996964	61	5	0.005	0.2	718	157	2	205	19	22	160	VA11210257		boulder	2011
N-04	NC	524421	6996803	53	13	0.013	0.2	220	1150	2	223	190	96	482	VA11210257		boulder	2011
N-05	NC	525072	6995333	55	5	0.005	0.2	21	143	3	86	122	34	288	VA11210257		boulder	2011
N-06	NC	525103	6995924	57	5	0.005	1.6	6	358	65	424	306	59	244	VA11210257		boulder	2011
N-07	NC	525016	6995990	66	42	0.042	0.2	2070	103	31	27	41	40	342	VA11210257		boulder	2011
N-08	NC	525017	6995990	50	110	0.11	1.1	242	274	43	672	160	331	294	VA11210257		boulder	2011
N-09	NC	523536	6996693	57	26	0.026	0.4	5	1080	2	1775	43	61	440	VA11210257		boulder	2011
N-10	NC	522350	6999316	61	392	0.392	0.3	22	496	7	9	20	273	84	VA11210257		boulder	2011
N-11	NC	523790	6997283	60	5	0.005	0.2	4	115	2	153	17	17	1520	VA11210257		boulder	2011
N-12	NC	524033	6997434	53	11	0.011	0.3	5	348	2	154	57	41	1265	VA11210257		boulder	2011
N-13	NC	524115	6997713	55	25	0.025	0.3	3350	432	2	60	209	160	227	VA11210257		boulder	2011
N-14	NC	524518	6999353	61	5	0.005	0.2	14	624	2	57	39	45	393	VA11210257		otc	2011
N-15	NC	524536	6999353	60	5	0.005	0.2	2	214	2	187	34	34	995	VA11210257		boulder	2011
N-16	NC	524703	6997286		11	0.011	2.3	15	625	97	3990	152	96	544	VA11210257		boulder	2011
N-17	NC	524925	6997224		15	0.015	0.6	94	44	22	255	17	41	80	VA11210257		boulder	2011
N-18	NC	524395	6997256		11	0.011	1.5	4	1140	63	2560	128	75	151	VA11210257		boulder	2011
N-19	NC	524468	6998033		7	0.007	0.2	2	210	3	120	4	8	354	VA11210257		boulder	2011
GD-1	GD	524910	6996190		8	0.008	0.4	7	1835	2	57	119	114	125	VA13127334		boulder	2013
GD-2	GD	524654	6996603		434	0.434	0.2	10000	61	7	30	28	29	113	VA13127334		boulder	2013
JC-10	JC	524883	6996244	59	16	0.016	0.3	23	1150	2	2060	53	45	344	VA13127334		boulder	2013
JC-11	JC	524616	6996757	62	88	0.088	23.1	199	564	3780	8770	112	25	43	VA13127334		boulder	2013
JC-12	JC	523763	6997523	61	9	0.009	0.2	5	200	9	42	31	12	193	VA13127334		boulder	2013
JC-13	JC	524189	6998835	60	29	0.029	0.2	3	686	15	231	30	40	601	VA13127334		boulder	2013
JC-14	JC	524819	6997944	54	25	0.025	0.2	2	934	2	62	78	75	332	VA13127334		boulder	2013
JC-15	JC	524954	6997801	54	24	0.024	0.8	2	208	30	103	38	27	156	VA13127334		boulder	2013
JC-16	JC	525132	6996775	69	2.5	0.0025	0.2	187	25	2	6	1	2	34	VA13127334		boulder	2013
JC-17	JC	525140	6996747	69	68	0.068	0.9	291	308	7	31	97	56	155	VA13127334		boulder	2013
JC-18	JC	525645	6996480	67	2.5	0.0025	0.2	234	225	2	590	40	24	44	VA13127334		boulder	2013
JC-19	JC	524862	6996211	62	40	0.04	0.2	259	279	2	213	144	56	673	VA13127334		boulder	2013
JC-20	JC	524654	6996603	64	2.5	0.0025	0.2	3	186	3	6230	52	37	134	VA13127334		boulder	2013
N-1301	NC	524314	6998653		88	0.088	0.2	2	648	2	153	28	47	446	VA13127334		boulder	2013
N-1302	NC	524315	6998659		5	0.005	0.3	2	1285	2	88	57	85	355	VA13127334		boulder	2013
N-1303	NC	524072	6999030		5	0.005	0.2	3	194	2	26	23	16	1240	VA13127334		boulder	2013

Rock Samples - PeterLake property

2

Sample#	Sampler	east_83	north_83	elev m	Au_ppb	Au_ppm	Ag_ppm	As_ppm	Cu_ppm	Pb_ppm	Zn_ppm	Ni	Co	Mn	Cert	Area	type	year
N-1304	NC	522864	6999195		67	0.067	1.2	2	381	2	17	37	12	183	VA13127334		boulder	2013
N-1305	NC	522654	6998266		25	0.025	0.8	2	1815	3	211	78	73	327	VA13127334		boulder	2013
N-1306	NC	522394	699820		5	0.005	1	2	1715	2	52	146	122	244	VA13127334		boulder	2013
N-1307	NC	524934	6996187		5	0.005	0.2	2	272	2	519	43	33	93	VA13127334		boulder	2013
N-1308	NC	525173	6995793		12	0.012	1.3	7	579	17	226	547	149	131	VA13127334		boulder	2013
N-1309	NC	525181	6995592		2740	2.74	35.4	5640	302	7590	2590	77	27	141	VA13127334		boulder	2013
N-1310	NC	525193	6995574		6290	6.29	18.3	10000	322	3450	7170	67	71	82	VA13127334		boulder	2013
N-1311	NC	525071	6995731		6	0.006	0.2	32	89	12	22	68	24	54	VA13127334		boulder	2013
N-1312	NC	525107	6995895		5	0.005	0.6	26	65	58	5720	45	11	76	VA13127334		boulder	2013
N-1313	NC	525030	6995823		63	0.063	1.7	30	255	141	1200	63	32	56	VA13127334		boulder	2013
N-1314	NC	524904	6996955		79	0.079	1.5	10000	741	56	15700	264	212	121	VA13127334		boulder	2013
N-1315	NC	524425	6997180		5	0.005	0.2	20	217	5	2360	63	26	54	VA13127334		boulder	2013
N-1316	NC	524199	6996589		5	0.005	0.2	7	488	3	211	180	91	124	VA13127334		boulder	2013
JC-21	JC	520037	7001925.998															2014
JC-22	JC	523303	7002198.003															2014
JC-23	JC	523429	7002671.996															2014
JC-25	JC	524410	7003549.998															2014
660254	BM	522342	7000889	57	1	0.001	0.1	2	22	2	20	18	8	458	VA15128952			2015
660255	BM	522668	7000988	50	3	0.003	0.1	1	57	4	92	40	27	1180	VA15128952			2015
660256	BM	522891	6999357	58	3	0.003	0.1	4	7	11	67	13	6	121	VA15128952			2015
660257	BM	522799	6998921	47	3	0.003	0.1	10	133	1	25	63	23	642	VA15128952			2015
660258	BM	525150	6995685	54	19	0.019	2.8	218	376	439	2520	92	54	184	VA15128952			2015
660259	BM	525091	6995735	54	4	0.004	0.3	2	223	23	135	75	29	289	VA15128952			2015
660260	BM	525002	6995872	53	14	0.014	1.2	19	1100	4	41	1665	212	323	VA15128952			2015
660261	BM	524984	6996123	53	68	0.068	0.2	925	32	7	26	8	2	107	VA15128952			2015
660262	BM	524980	6996123	51	15	0.015	0.1	1735	134	3	84	53	29	205	VA15128952			2015
660263	BM	524979	6996124	56	151	0.151	0.3	10000	74	11	44	50	52	155	VA15128952			2015
660264	BM	524981	6996119	53	24	0.024	0.1	63	59	3	85	30	10	265	VA15128952			2015
660265	BM	524693	6996536	52	8	0.008	0.4	12	328	8	1770	64	46	115	VA15128952			2015
660266	BM	524683	6996532	57	3	0.003	0.1	20	136	4	77	33	18	146	VA15128952			2015
660267	BM	524682	6996531	57	5	0.005	0.5	1	254	11	95	129	44	170	VA15128952			2015
660268	BM	524673	6996538	57	6	0.006	0.6	8	372	9	1400	82	59	96	VA15128952			2015
660269	BM	524670	6996534	52	19	0.019	0.2	6	194	4	137	100	36	178	VA15128952			2015
660270	BM	524448	6997203	58	9	0.009	0.4	105	274	1	7240	72	33	60	VA15128952			2015
660271	BM	524467	6997495	49	33	0.033	0.1	7950	143	3	34	161	95	67	VA15128952			2015
660272	BM	524448	6997807	51	19	0.019	0.9	21	370	11	2410	126	82	83	VA15128952			2015
660273	BM	524380	6998056	46	19	0.019	0.3	34	886	3	45	27	10	163	VA15128952			2015
660274	BM	517944	6996984	44	3	0.003	0.1	22	122	2	20	22	9	187	VA15128952			2015
N941983	BM	524214	6995648	53	224	0.224	0.1	5840	133	1	249	5	44	525	VA15128952			2015
N941984	BM	524230	6995666	51	12	0.012	0.2	19	760	2	210	67	71	415	VA15128952			2015
N941985	BM	524231	6995674	49	82	0.082	0.3	64	196	1	43	2	3	82	VA15128952			2015
N941986	BM	524176	6995742	50	81	0.081	0.4	24	650	3	146	51	62	491	VA15128952			2015
N941987	BM	523997	6996554	50	25	0.025	0.1	1450	259	1	945	50	93	78	VA15128952			2015
N941988	BM	524121	6997418	55	10	0.01	1.6	6	2190	13	9040	285	240	32	VA15128952			2015
N941989	BM	524122	6997521	51	50	0.05	0.4	4	930	1	47	5	9	341	VA15128952			2015
660226	GD	522132	7000116	48	8700	8.7	1.7	2	20	854	301	2	2	158	VA15128952			2015
660227	GD	521478	6998047	44	2380	2.38	0.1	24	134	3	1	25	16	33	VA15128952	282		2015
660228	GD	521116	6998179	45	282000	282	19.4	4	5530	6710	35	45	30	178	VA15128952	282		2015
660229	GD	520750	6999096		12700	12.7	1.6	11	17	25	2	19	43	29	VA15128952			2015
660230	GD	519431	6999684		8000	8	0.6	73	33	22	5	15	17	424	VA15128952			2015
660231	GD	525180	6995532		247	0.247	0.2	1	143	27	78	137	13	285	VA15128952			2015
660232	GD	524943	6996104		77	0.077	0.1	1	402	1	102	38	41	1105	VA15128952			2015
660233	GD	524648	6996563		9	0.009	0.2	1	244	4	1070	56	39	154	VA15128952			2015
660234	GD	524609	6996678		23	0.023	0.4	67	141	5	224	21	13	111	VA15128952			2015
660235	GD	525398	6996825		9	0.009	0.6	5	7	8	10	1	1	51	VA15128952			2015
660236	GD	524597	6998036		3	0.003	0.3	12	208	18	392	78	28	302	VA15128952			2015
660237	GD	518343	6993307		26	0.026	1	24	237	83	303	30	21	1080	VA15128952			2015
660238	GD	524252	6995759		36	0.036	0.6	2	1770	4	193	109	98	410	VA15128952			2015
660275	JC	522178	6999699	51	989	0.989	0.1	3	80	1	5	16	6	88	VA15128952			2015
660276	JC	522108	6999818	51	44	0.044	0.3	1	58	2	6	5	5	168	VA15128952			2015

Rock Samples - PeterLake property

3

Sample#	Sampler	east_83	north_83	elev m	Au_ppb	Au_ppm	Ag_ppm	As_ppm	Cu_ppm	Pb_ppm	Zn_ppm	Ni	Co	Mn	Cert	Area	type	year
660277	JC	525204	6995546	61	29	0.029	0.4	3	57	12	224	7	4	87	VA15128952			2015
660278	JC	525204	6995522	59	12	0.012	0.3	29	71	2	67	49	56	227	VA15128952			2015
660279	JC	525072	6995349	55	6	0.006	0.1	1	114	3	129	107	29	279	VA15128952			2015
660280	JC	525092	6995542	57	7	0.007	0.1	2	54	1	3	2	4	61	VA15128952			2015
660281	JC	524472	6997030	64	4	0.004	0.1	5	11	2	71	1	1	27	VA15128952			2015
660282	JC	524416	6997199	63	10	0.01	0.1	42	17	2	678	2	1	36	VA15128952			2015
660283	JC	525078	6996850	62	21	0.021	0.3	29	231	1	2730	21	19	58	VA15128952			2015
660284	JC	525046	6996859	61	7	0.007	0.2	12	264	1	17	25	14	56	VA15128952			2015
660285	JC	525036	6996862	60	19	0.019	0.1	22	60	2	370	5	3	43	VA15128952			2015
660286	JC	524965	6996969	60	12	0.012	0.1	2	40	1	70	1	1	37	VA15128952			2015
660287	JC	524903	6996955	60	6	0.006	0.6	86	858	15	4590	213	104	39	VA15128952			2015
660201	RB	522232	7000937	49	38000	38	5.3	2	12	1640	994	2	1	33	VA15128952	RB		2015
660202	RB	522299	7000922	58	8780	8.78	3	1	9	1325	318	3	2	127	VA15128952	RB		2015
660203	RB	522276	7000912	74	5	0.005	0.1	2	67	5	18	24	15	428	VA15128952			2015
660204	RB	522442	6999869	56	59	0.059	1	1	188	6	18	17	51	544	VA15128952			2015
660205	RB	523267	6999217	60	59	0.059	0.2	1	64	7	23	5	2	160	VA15128952			2015
660206	RB	523311	6999110	58	71	0.071	0.4	1	187	1	41	13	6	160	VA15128952			2015
660207	RB	523306	6998096	58	6	0.006	0.2	5	75	6	2	5	5	54	VA15128952			2015
660208	RB	523497	6998441	49	32	0.032	0.6	4	2990	1	30	160	119	316	VA15128952			2015
660209	RB	524384	6997239	52	10	0.01	0.3	731	187	2	5530	47	65	61	VA15128952			2015
660210	RB	524400	6997238	54	8	0.008	0.3	5	238	2	10900	40	24	83	VA15128952			2015
660211	RB	525167	6995666	57	601	0.601	0.4	10000	29	10	789	4	9	44	VA15128952			2015
660212	RB	525110	6995896	55	12	0.012	1	26	321	15	164	231	48	320	VA15128952			2015
660213	RB	524955	6996043	55	217	0.217	0.2	101	382	5	34	101	40	53	VA15128952			2015
660214	RB	524950	6996033	51	570	0.57	10.1	10000	302	931	2680	135	174	192	VA15128952			2015
660215	RB	524816	6996364	55	23	0.023	0.8	32	823	13	2180	130	93	156	VA15128952			2015
660216	RB	524600	6996693	49	12	0.012	0.8	15	445	13	1460	128	87	218	VA15128952			2015
660217	RB	524457	6997011	45	7	0.007	0.2	14	10	2	82	2	1	28	VA15128952			2015
660218	RB	524453	6997192	46	7	0.007	0.3	100	142	1	517	47	23	30	VA15128952			2015
660219	RB	524429	6997225	43	9	0.009	0.6	5	499	59	2010	114	69	134	VA15128952			2015
660220	RB	524627	6996969	61	233	0.233	0.2	7220	1390	3	114	180	325	436	VA15128952			2015
660221	RB	524475	6997497	48	1	0.001	0.1	15	144	1	10	73	13	525	VA15128952			2015
660222	RB	524320	6997692	46	718	0.718	36.1	10000	86	15100	463	65	68	33	VA15128952			2015
660223	RB	524369	6998033	46	3	0.003	0.2	31	148	44	125	30	26	818	VA15128952			2015
660224	RB	518189	6994053	55	359	0.359	1.8	7	7220	5	88	32	82	420	VA15128952			2015
660225	RB	524335	699874	57	4	0.004	0.3	33	391	63	25	113	49	688	VA15128952			2015
941961	RB	523979	6997801	61	9	0.009	0.1	9	293	1	18	46	15	166	VA15128952			2015
941962	RB	523929	6997795	83	375	0.375	2	5	378	3	105	46	86	469	VA15128952			2015
660239	GD	520263	6996446		35	0.035	0.1	11	16	1	4	4	3	50	VA16122541			2016
660240	GD	520348	6996192		1	0.001	0.1	5	11	1	7	1	1	127	VA16122541			2016
660241	GD	519949	6996492		1	0.001	0.1	1	7	1	5	3	2	105	VA16122541			2016
660242	GD	518536	6995803		4	0.004	0.1	1	196	1	4	16	21	50	VA16122541			2016
660243	GD	517772	6995791		2	0.002	0.1	7	57	1	5	5	3	143	VA16122541			2016
671976	GD	521321	6998094		612	0.612	0.1	25	105	1	1	18	8	60	VA16122541			2016
671977	GD	521144	6998045		7	0.007	0.1	1	40	4	59	24	9	237	VA16122541	282		2016
671978	GD	521423	6998048		1	0.001	0.1	1	18	5	15	2	3	116	VA16122541	282		2016
671979	GD	521426	6998050		4	0.004	0.1	1	14	10	33	13	6	161	VA16122541	282		2016
671980	GD	521427	6998052		3	0.003	0.1	1	2	4	3	0.5	1	50	VA16122541	282		2016
671981	GD	521035	6998086		65300	65.3	11.1	2	42	110	68	43	46	647	VA16122541	282		2016
671982	GD	519395	6999559		26	0.026	0.1	1	111	2	101	127	50	1820	VA16122541			2016
671983	GD	519376	6999599		64	0.064	0.1	8	211	3	148	59	52	777	VA16122541			2016
671984	GD	520375	6999302		914	0.914	0.7	11	251	346	37	41	47	458	VA16122541			2016
671985	GD	520966	6998819		20	0.02	0.1	2	85	1	24	26	13	316	VA16122541			2016
671986	GD	521295	6997887		40	0.04	0.3	2	220	3	90	72	61	1135	VA16122541			2016
671987	GD	521393	6997815		70	0.07	0.1	1	25	6	164	50	49	1085	VA16122541			2016
671988	GD	521489	6997631		36	0.036	0.2	1	116	4	84	74	47	1205	VA16122541			2016
671989	GD	521489	6997630		2	0.002	0.1	84	72	1	88	121	91	1025	VA16122541			2016
671990	GD	521639	6997449		5	0.005	0.1	3	3	4	12	5	3	241	VA16122541			2016
671991	GD	521201	6998172		5	0.005	0.1	2	52	1	13	12	11	155	VA16122541			2016
671992	GD	521197	6998173		3	0.003	0.1	1	13	1	25	6	8	195	VA16122541			2016
671993	GD	521196	6998171		5	0.005	0.1	3	332	1	7	12	17	144	VA16122541			2016
671994	GD	521095	6997568		16	0.016	0.1	2	102	5	97	113	51	1655	VA16122541			2016
671995	GD	521318	6997205		433	0.433	0.1	18	36	2	26	25	19	219	VA16122541	RIL		2016
671996	GD	521324	6997206		37	0.037	0.1	10	52	5	44	13	15	579	VA16122541	RIL		2016
671997	GD	521330	6997215		379	0.379	0.2	5	19	1	1	1	3	78	VA16122541	RIL		2016
671998	GD	521335	6997220		1070	1.07	1.9	65	47	89	8	8	47	56	VA16122541	RIL		2016

Rock Samples - PeterLake property

4

Sample#	Sampler	east_83	north_83	elev m	Au_ppb	Au_ppm	Ag_ppm	As_ppm	Cu_ppm	Pb_ppm	Zn_ppm	Ni	Co	Mn	Cert	Area	type	year
671999	GD	521475	6997200		144	0.144	0.2	7	36	2	12	10	9	96	VA16122541	RIL		2016
672000	GD	521480	6997200		338	0.338	0.2	6	216	3	13	12	18	187	VA16122541	RIL		2016
GD-10	GD	521389	6997163		1250	1.25	0.5	35	25	9	4	9	20	112	VA16153744	RIL		2016
GD-11	GD	521390	6997151		6270	6.27	1.6	22	58	1	5	37	34	87	VA16153744	RIL		2016
GD-12	GD	521424	6997163		59	0.059	0.1	4	96	3	94	22	25	503	VA16153744	RIL		2016
GD-13	GD	521422	6997135		17	0.017	0.3	2	21	9	18	7	6	113	VA16153744	RIL		2016
GD-14	GD	520630	6996556		126	0.126	0.1	4	49	1	1	1	1	23	VA16153744	Island		2016
GD-15	GD	520286	6996294		4	0.004	0.1	6	23	1	18	6	3	261	VA16153744	Island		2016
GD-16	GD	520283	6996286		3	0.003	0.1	7	14	6	33	5	2	228	VA16153744	Island		2016
GD-17	GD	520318	6996262		23	0.023	0.1	5	21	6	37	10	6	393	VA16153744	Island		2016
GD-18	GD	520312	6996258		263	0.263	0.1	19	43	12	118	36	24	979	VA16153744	Island		2016
GD-3	GD	520691	7001986		25	0.025	0.9	18	5	14	3	4	1	61	VA16153744	Hinge		2016
GD-4	GD	520690	7001988		1420	1.42	0.2	2890	69	6	90	50	36	1285	VA16153744	Hinge		2016
GD-5	GD	520716	7002002		1	0.001	0.1	8	4	2	60	15	15	402	VA16153744	Hinge		2016
GD-6	GD	522322	7000860		1	0.001	0.1	2	4	1	5	3	1	62	VA16153744	RB		2016
GD-7	GD	522332	7000875		2	0.002	0.1	10	5	2	22	6	3	136	VA16153744	RB		2016
GD-8	GD	522277	7000923		17	0.017	0.1	2	4	1	1	4	<1	36	VA16153744	RB		2016
GD-9	GD	521384	6997161		930	0.93	0.3	22	98	2	1	14	22	92	VA16153744	RIL		2016
671501	JA	520592	7002360		14	0.014	0.1	1	75	1	103	37	2	945	VA16122541			2016
671502	JA	521875	7001391		450	0.45	0.2	1	10	133	24	2	3	153	VA16122541			2016
671503	JA	522961	7001307		1350	1.35	1	6	328	15	67	40	41	328	VA16122541			2016
671504	JA	523115	7000998		95	0.095	0.5	4	404	11	117	53	48	668	VA16122541			2016
671505	JA	520585	6996689		196	0.196	0.2	2	13	5	15	3	4	144	VA16122541			2016
671506	JA	520850	6996608		39	0.039	0.1	4	56	5	47	1	4	260	VA16122541			2016
671507	JA	520941	6996539		47	0.047	0.1	1	190	5	47	44	38	485	VA16122541			2016
671508	JA	521205	6996102		4	0.004	0.2	1	152	2	47	18	6	694	VA16122541			2016
671509	JA	521525	6996196		21	0.021	0.1	5	3	3	6	0.5	0.5	107	VA16122541			2016
671510	JA	521672	6996260		9	0.009	0.1	6	42	7	85	41	14	296	VA16122541			2016
671511	JA	521839	6995961		5990	5.99	2.5	2960	88	94	10	5	14	146	VA16122541	Island S		2016
671512	JA	521781	6995884		1655	1.655	0.2	51	36	5	29	1	4	326	VA16122541	Island S		2016
671513	JA	521319	7001147		6	0.006	0.2	1	284	2	32	22	15	232	VA16122541			2016
671514	JA	521352	7001162		149	0.149	0.1	12	88	7	16	9	12	368	VA16122541			2016
671515	JA	521324	7001297		21	0.021	0.3	1	133	6	47	14	12	275	VA16122541			2016
671516	JA	523172	6999181		895	0.895	0.1	1	205	6	98	56	42	1250	VA16122541			2016
671517	JA	523225	6999131		139	0.139	0.1	1	159	13	83	33	34	1005	VA16122541			2016
671518	JA	523227	6999091		654	0.654	0.3	6	369	38	46	14	25	1355	VA16122541			2016
671519	JA	523386	6998667		45	0.045	0.7	21	2150	1	508	143	98	507	VA16122541			2016
671526	JA	521117	6998179		8230	8.23	0.5	5	389	22	91	65	24	762	VA16122541			2016
671527	JA	521291	6998118		19	0.019	0.1	2	71	5	144	62	51	1265	VA16122541			2016
671528	JA	521485	6998065		13	0.013	0.1	1	53	4	85	77	21	280	VA16122541			2016
671529	JA	521475	6998055		74	0.074	0.1	2	125	15	49	14	10	243	VA16122541			2016
671530	JA	521478	6998048		2	0.002	0.1	1	63	6	50	31	14	389	VA16122541			2016
671531	JA	521517	6998055		4	0.004	0.1	2	18	4	66	33	12	295	VA16122541			2016
671532	JA	521604	6998036		1	0.001	0.1	1	25	5	38	19	7	170	VA16122541			2016
671533	JA	522301	7000918		194	0.194	0.1	1	6	21	89	1	3	148	VA16122541			2016
671534	JA	522280	7000920		60	0.06	0.1	4	143	4	60	35	26	594	VA16122541			2016
671535	JA	522411	7000942		7	0.007	0.1	1	22	5	75	29	20	429	VA16122541			2016
671536	JA	522408	7000932		4	0.004	0.1	1	139	3	41	63	32	395	VA16122541			2016
671537	JA	522428	7000851		14	0.014	0.4	1	247	7	631	52	28	279	VA16122541			2016
671538	JA	523523	7000914		2	0.002	0.1	3	22	3	21	29	35	154	VA16122541			2016
671539	JA	523324	7000971		2	0.002	0.1	1	6	11	97	55	17	671	VA16122541			2016
671540	JA	523261	7000977		40	0.04	0.1	1	94	5	54	32	26	247	VA16122541			2016
671541	JA	523252	7000891		146	0.146	0.1	1	117	3	113	107	42	1410	VA16122541			2016
671542	JA	523249	7000982		110	0.11	0.1	1	36	3	107	42	32	770	VA16122541			2016
671543	JA	523245	7000980		395	0.395	0.1	1	103	4	129	28	29	1020	VA16122541			2016
671544	JA	523243	7000983		5	0.005	0.1	1	71	2	66	25	11	256	VA16122541			2016
671545	JA	523241	7000985		42	0.042	0.1	1	173	1	79	54	50	805	VA16122541			2016
671546	JA	523230	7000998		6	0.006	0.1	1	61	1	54	39	26	514	VA16122541			2016
671547	JA	523240	7000991		40	0.04	0.1	1	139	3	119	60	40	1260	VA16122541			2016
671548	JA	523230	7000990		8	0.008	0.1	1	112	2	143	49	30	942	VA16122541			2016
671549	JA	523234	7000983		14	0.014	0.2	1	185	29	77	66	36	538	VA16122541			2016
671550	JA	523245	7000973		1	0.001	0.1	1	2	3	55	16	15	227	VA16122541			2016
671976	JA	521295	6998120		612	0.612	0.1	25	105	1	1	18	8	60	VA16122541			2016
671977	JA	521291	6998118		7	0.007	0.1	1	40	4	59	24	9	237	VA16122541			2016
660288	JC	521493	6997692	45	412	0.412	2	53	2090	5	16	49	277	110	VA16122541			2016
660289	JC	521192	6998173	46	36	0.036	0.2	4	501	1	7	62	35	131	VA16122541			2016

Rock Samples - PeterLake property

5

Sample#	Sampler	east_83	north_83	elev m	Au_ppb	Au_ppm	Ag_ppm	As_ppm	Cu_ppm	Pb_ppm	Zn_ppm	Ni	Co	Mn	Cert	Area	type	year
660290	JC	521192	6998173	46	3	0.003	0.1	3	204	1	6	4	3	101	VA16122541			2016
660291	JC	521192	6998173	46	1	0.001	0.1	4	137	2	127	53	50	991	VA16122541			2016
660292	JC	521354	6997250	49	346	0.346	0.2	59	14	5	2	9	64	87	VA16122541	RIL		2016
660293	JC	521338	6997235	49	13	0.013	0.1	79	74	10	22	8	16	85	VA16122541	RIL		2016
660294	JC	521335	6997230	49	91	0.091	0.1	10	13	3	8	6	1	146	VA16122541	RIL		2016
660295	JC	521334	6997219	48	1725	1.725	0.2	7	43	1	10	6	6	55	VA16122541	RIL		2016
660296	JC	521419	6997154	49	430	0.43	0.4	22	93	1	4	3	2	40	VA16122541	RIL		2016
660297	JC	521398	6997163	49	17800	17.8	1.9	20	216	3	1	91	59	59	VA16122541	RIL		2016
660298	JC	520196	6996349	47	1610	1.61	0.1	6	130	2	10	5	0.5	141	VA16122541	Island		2016
660299	JC	520275	6996303	47	43	0.043	0.2	11	155	1	2	15	17	46	VA16122541	Island		2016
660300	JC	520318	6996264	54	78	0.078	0.2	24	213	1	6	15	14	161	VA16122541	Island		2016
660301	JC	520310	6996253	54	389	0.389	0.5	58	400	4	21	30	18	215	VA16122541	Island		2016
660302	JC	518546	6995710	53	2730	2.73	19.8	7	11000	5	71	21	469	200	VA16122541			2016
660303	JC	519055	7001244	45	21	0.021	0.1	16	39	1	3	5	1	100	VA16122541			2016
660276-1	JC	521323	6998096	47	21	0.021	0.1	2	87	2	9	22	12	85	VA16122541	282		2016
660277-1	JC	521321	6998094	47	11	0.011	0.3	2	425	4	133	72	56	754	VA16122541	282		2016
660278-1	JC	521208	6998172	47	9	0.009	0.1	4	346	5	17	15	67	144	VA16122541	282		2016
660279-1	JC	521200	6998175	47	19	0.019	0.1	2	94	5	135	46	44	883	VA16122541	282		2016
660280-1	JC	521202	6998177	47	13	0.013	0.1	4	301	1	15	6	9	124	VA16122541	282		2016
660281-1	JC	521191	6998176	47	21	0.021	0.3	5	825	2	11	150	133	104	VA16122541			2016
660282-1	JC	521181	6998181	47	4	0.004	0.1	10	148	37	48	38	27	139	VA16122541			2016
660283-1	JC	521142	6998184	47	281	0.281	2.5	1	6960	4	68	1385	113	245	VA16122541			2016
660284-1	JC	519517	6999558	47	9	0.009	0.1	5	30	7	21	14	7	234	VA16122541			2016
660285-1	JC	519939	6999414	46	25	0.025	0.2	2	763	3	52	140	32	777	VA16122541			2016
660286-1	JC	520969	6998847	46	2	0.002	0.1	1	58	2	24	20	8	235	VA16122541			2016
660287-1	JC	520951	6998763	46	141	0.141	0.9	7	1145	3	96	142	34	662	VA16122541			2016
JC-26	JC	522328	7000880	65	915	0.915	0.1	10	11	15	26	3	2	147	VA16153744	RB		2016
JC-27	JC	522331	7000877	65	15	0.015	0.1	1	1	1	1	2	1	37	VA16153744	RB		2016
JC-28	JC	522315	7000879	62	6940	6.94	0.5	3	15	9	40	4	3	164	VA16153744	RB		2016
JC-29	JC	521353	6998084	47	1	0.001	0.1	3	4	2	10	4	2	101	VA16153744	282		2016
JC-30	JC	521383	6997178	46	1455	1.455	0.6	13	716	15	49	76	93	274	VA16153744	RIL		2016
JC-31	JC	521384	6997179	46	33	0.033	0.2	2	185	7	232	53	29	784	VA16153744	RIL		2016
JC-32	JC	521392	6997167	48	69	0.069	0.2	18	66	3	4	10	14	55	VA16153744	RIL		2016
JC-33	JC	521417	6997149	48	27700	27.7	2.5	17	206	2	8	30	17	107	VA16153744	RIL		2016
JC-34	JC	521428	6997135	49	26	0.026	0.1	8	60	1	9	9	61	81	VA16153744	RIL		2016
JC-35	JC	520681	6996575	48	110500	110.5	35.2	57	381	3170	882	4	4	41	VA16153744	Island		2016
JC-36	JC	520299	6996259	47	66	0.066	0.1	13	57	6	3	9	7	179	VA16153744	Island		2016
JC-37	JC	520303	6996261	48	769	0.769	0.5	62	39	21	8	22	25	136	VA16153744	Island		2016
JC-38	JC	520317	6996246	46	309	0.309	0.2	54	102	7	76	38	23	788	VA16153744	Island		2016
671951	RB	522230	7000937		3880	3.88	0.5	2	14	34	179	3	2	115	VA16122541	RB		2016
671952	RB	522250	7000900		2	0.002	0.1	3	34	6	10	3	2	81	VA16122541	RB		2016
671953	RB	522296	7000879		8590	8.59	0.1	2	45	7	18	6	6	333	VA16122541	RB		2016
671954	RB	522311	7000896		15150	15.15	7.5	2	7	6610	22	3	3	118	VA16122541	RB		2016
671955	RB	522386	7000812		976	0.976	2	1	9	816	165	1	2	100	VA16122541	RB		2016
671956	RB	523274	7000968		109	0.109	0.3	2	123	14	10	4	5	69	VA16122541			2016
671957	RB	523109	7001043		227	0.227	0.3	11	804	40	4	34	5	69	VA16122541			2016
671958	RB	522570	7001319		12	0.012	0.2	2	200	14	42	12	21	273	VA16122541			2016
671959	RB	521872	7001388		289	0.289	0.1	2	81	3	28	19	12	617	VA16122541			2016
671960	RB	521764	7001375		39	0.039	0.1	1	56	15	8	7	7	91	VA16122541			2016
671961	RB	521717	7001423		14	0.014	0.2	1	59	5	5	3	3	92	VA16122541			2016
671962	RB	520722	7002051		16850	16.85	0.7	1	12	2	53	16	15	641	VA16122541	Hinge		2016
671963	RB	520807	7001910		164	0.164	0.1	3	69	10	79	48	18	443	VA16122541	Hinge		2016
671964	RB	521049	7001756		9	0.009	0.3	1	130	42	59	12	7	95	VA16122541	Hinge		2016
671965	RB	520680	6996576		451000	451	247	60	221	7220	216	4	6	38	VA16122541	Island		2016
671966	RB	520982	6996238		276	0.276	1	1	1150	33	7	15	30	66	VA16122541			2016
671967	RB	522489	6996407		537	0.537	0.3	1	4	9	1	2	2	47	VA16122541			2016
671968	RB	519208	6996611		1100	1.1	1	1	118	41	136	84	35	733	VA16122541			2016
671969	RB	518561	6997086		34	0.034	0.1	1	173	1	53	66	36	394	VA16122541			2016
671970	RB	519007	7001225		102	0.102	0.3	1	475	9	37	70	35	609	VA16122541			2016
671971	RB	519029	7001224		4750	4.75	1.8	1	1300	80	25	86	123	292	VA16122541			2016

Rock Samples - PeterLake property

6

Sample#	Description
JC-1	rusty biotite,qtz hornblende amphibolite. Strongly magnetic. WMC#329581 - 0.03 Au
JC-2	sharp, pitted and contorted qtz amphibolite. Weathering resembles carbonate boudins. Po/py in blebs/diss/wisps with local cp
JC-3	Rounded Fe stained boulder with 2-5% py,po,mag,in black matrix with <1%cp. Heavy and foilated
JC-4	Angular qtz boulder, 0.5mx0.5m with 1-2%po,py fract fills and <1% cp
JC-5	Sugary, and opaque white to rusty qtz, 0.3mx0.4m. Diss & fract fillpo,py and < 1% cp and trace gn
JC-6	Dark green/black med grain hornblendite with 5-10% pyroxene, trace diss po, minor magnetics. UM sill?
JC-7	Rounded rusty sugary qtz, pitted with local sulphide remants
JC-8	Angular float, 0.3m x 0.3m of rusty siliceous siltsone. Possible graphitic layers?
JC-9	Black qtz with fe stain and py. Local weathered carbonate layers
E-01	rusty, 10% sulphides,
E-02	rusty, specks of sulphides, magnetic, some quartz
E-03	magnetic, sulphides along fractures
E-04	pyrite, some quartz, non-magnetic
E-05	pyrite, bits of pyrrhotite, slightly magnetic
E-06	rusty boulder, bit of quartz, lots of pyrrhotite, magnetic
E-07	rusty quartz, pyrite, some pyrrhotite, bit magnetic
E-08	rusty, some graphite, pyrite, pyrrhotite, magnetic, chalcopyrite?
E-09	rusty rock, lots of pyrrhotite, pyrite, very magnetic
E-10	shear parallel to foliation in basalt – 5% pyrite & 2% along fractures – slightly magnetic – 20 m in length
E-11	very rusty & weathered – 5% pyrite, 2% pyrrhotite, slightly magnetic
E-12	broken up rusty boulder, sheared, 2% pyrrhotite, 1% pyrite, 2% chalcopyrite
E-13	30% pyrrhotite, 20% pyrite, 2% chalcopyrite
E-14	rusty sheared blackish rock – 2% pyrite, 1% pyrrhotite
E-15	Rusty, 2% pyrite, 2% pyrrhotite
N-01	rounded boulder – banded quartz with pyrite, amphibolite, biotite, garnetiferous -- granite gneiss? -- unable to get good sample
N-02	30 cm rounded rusty quartz boulder – near massive vuggy pyrite in places – minor arsenopyrite in and around black wall rock clasts and stringers – minor biotite – trace sphalerite? - grey to dark smokey quartz - several rusty sedimentary boulders up to 100 cm adjacent with pyrite – another similar 60 x 50 cm boulder 10 m to NW
N-03	mostly sandy quartz with grey to smokey grey veins within – trace pyrite and arsenopyrite within sedimentary wall rock
N-04	5 to 10% pyrite in slightly banded siliceous rock – sediment? - grey quartz
N-05	dozens of magnetic graphitic pelite boulders, pyrite, pyrrhotite – close to source – didn't mark – off property – speck chalcopyrite
N-06	30 – 50% combined pyrrhotite, pyrite, magnetite, tr chalcopyrite? In siliceous sediment – abundant graphite – very weathered
N-07	quartz shard in mud boil - trace to 1% pyrite, pyrrhotite in quartz – also shard of rusty sediment with 2-3% pyrrhotite
N-08	2 metres from N-07 - 80% pyrrhotite in siliceous sediment – area with lots of mud boils
N-09	on esker with granite boulders – altered BIF with amphibolites – near massive pyrrhotite & magnetite in < 1 cm bands, chert, smokey grey quartz with pyrite to 3% - possible chalcopyrite – probably fold nose
N-10	near massive pyrite, 70% as crystals 2-7 mm, rest very fine grained – in crystalline quartz matrix – probably granulite – under water at lake-shore
N-11	small shards of amphibolitic? Rock, black, minor pyrite along shear/foliation planes – non-magnetic
N-12	small shards of more siliceous volcanic?, foliated, to 5% pyrrhotite throughout, slightly magnetic, other similar along lake shore
N-13	under water – several similar to 100 cm in size within 3 metres – probably close to source – banded and folded, siliceous, chert originally? – some bands with 2% to near massive pyrrhotite – bands 1 to 10 mm – minor to 1% arsenopyrite generally along some band margins, but also cross-cutting in very fine fractures – 1 white 1 cm quartz vein-boudin with 2-5 mm crystals massive pyrrhotite, minor arsenopyrite – a few specks chpy – select grab
N-14	15 cm wide IF [po] and banded – at contact between very foliated basalt [gabbro?] and fine-grained black mafic rock – possibly cooked sediment – siliceous bands 2-3% pyrrhotite – medium magnetic – on lake-shore approximately parallel to IF mag just north on map – continues to east in outcrop – possible relationship foliated gabbro dyke? just to north
N-15	2 boulders just to east of above – minor pyrrhotite and pyrite – bull quartz vein within – slightly magnetic
N-16	folded graphitic pelite with 10% pyrrhotite as concordant stringers of fine grain – areas of quartz and feldspar veins and clasts with 20% po and pyrite crystals 1-5 mm – magnetic
N-17	well foliated and folded massive graphitic pelite - < 1mm concordant massive py layers – 5% py crystals in extremely folded areas – minor cuartz inclusions – small layers of more siliceous sediment
N-18	large half-buried boulder - decent 145 cm chip across foliation - generally 2-5% pyrrhotite, 1 near massive pyrrhotite vein 2-3 cm wide - to 3% chpy in places – tr arsenopyrite? - speck vg? – a few other similar within a few metres
N-19	very silicified sediment – minor folding – minor to 1% pyrrhotite in matrix – to 2% pyrite in a few places – some quartz veining
GD-1	
GD-2	
JC-10	
JC-11	
JC-12	
JC-13	
JC-14	
JC-15	
JC-16	
JC-17	
JC-18	
JC-19	
JC-20	
N-1301	very folded, sheared, banded – mostly siliceous bands 70% - tr to 5% to 15% pyrite in qtz and wall rock - probably sediment, altered BIF? - non magnetic
N-1302	very folded and banded – 15% pyrrhotite throughout – much darker near black wall rock and quartz than above – very magnetic – probably sediment
N-1303	flaggy – amphibolite – siliceous – 1 to 3% sulphides – very magnetic – sheared basalt or granulitic

Rock Samples - PeterLake property

7

Sample#	Description
N-1304	Medium magnetic – 5 to 10% pyrrhotite and pyrite throughout – mostly siliceous matrix, some chlorite and mafics – minor primary quartz veins/pods with larger sulphide crystals proximal
N-1305	very rusty and weathered – probably granulite BIF – mafic and felsic components – felsics rotted – mafics folded – 1-5% pyrite,magnetite,and pyrrhotite, to 10% pyrite as larger crystals in veins concordant with foliation – mafics very magnetic – minor chalcopyrite
N-1306	at lakeshore – banded quartz-mafic – probably altered IF – 1 to 5% pyrite and pyrrhotite – minor magnetite – mafic bands medium magnetic – similar boulder 4 meters north on
N-1307	5 centimetre quartz vein in folded graphitic pelite – 1% pyrite in quartz, 1 to 5% along quartz margins, minor to 1% pyrrhotite in mafics, trace arsenopyrite?, some chert
N-1308	50% pyrite and pyrrhotite, magnetic, some quartz fragments
N-1309	grey and white quartz – 1 to 3% pyrite, arsenopyrite, and galena as fracture fillings, along grey quartz boundaries, and scattered throughout – some chlorite – arsenopyrite as large random crystals to 7mm – many boulders adjacent are silicified and quartz-veined basalt with 1 to 3% pyrrhotite and magnetic
N-1310	similar to N-1309 - same hole as silicified basalt with 1 to 3% pyrrhotite – magnetic – may be wall rock, not included in sample
N-1311	sheared chert? with grey quartz – pyrite and arsenopyrite seem to be associated with the grey quartz – generally surrounding, and within sheared chert to one side, and chloritic and graphitic mafic wall rock to other side – pyrite and arsenopyrite also along fractures in chert – select grab
N-1312	chert boulder – sitting between and probably part of two metre-sized boulders of 50% pyrrhotite and graphitic – quartz boulder has up to 1 to 2% arsenopyrite, galena, pyrite and magnetite along fractures and qtz margins with wall rock – cherty with some grey quartz,some chlorite
N-1313	virtually all quartz – quartz vein is at least 100 cm wide – mostly grey quartz with pyrite and pyrrhotite to 2%,some massive fracture fillings, trace galena and magnetite – wall rock dark, some sulphides,graphitic – no arsenopyrite
N-1314	white quartz breccia with grey quartz – massive pyrite as crystals to 15mm infilling and along fractures – some minor galena, arsenopyrite,and pyrrhotite – some graphitic wall rock containing minor arsenopyrite – about 10% pyrite overall
N-1315	mostly quartz, more grey than white – 1 to 2% pyrite as crystals and along fractures
N-1316	mostly grey quartz – mafic wall rock – 1 to 2% pyrite in wall rock and quartz along fractures and shear planes
JC-21	
JC-22	
JC-23	
JC-25	
660254	
660255	
660256	
660257	
660258	
660259	
660260	
660261	
660262	
660263	
660264	
660265	
660266	
660267	
660268	
660269	
660270	
660271	
660272	
660273	
660274	
N941983	
N941984	
N941985	
N941986	
N941987	
N941988	
N941989	
660226	
660227	
660228	
660229	
660230	
660231	
660232	
660233	
660234	
660235	
660236	
660237	
660238	
660275	White rusty vuggy qtz. Sweat with amphib frag and chlorite
660276	Grey silica mag laminated lean IF? In amphibolite host

Rock Samples - Peter Lake property

8

Sample#	Description
660277	Angular dark grey black pelitic sed with qtz and minor graphite trace py,po
660278	Sericitic / boudinage qtz in pelite with 2-5% py. No graphite. Almost cherty
660279	White felsic tuff, minor graphite. 1-5% po trace py
660280	Rusty sugar qtz, part amorphous with <1%po and trace py,cp
660281	Rusty angular qtz
660282	Sugar to amorphous qtz with black sutty fractures and v fine sulphide disseminates
660283	Semi angular sugary qtz boulder with 1-5% py and 1%cp local
660284	Angular rusty to white qtz boulder with 1-3%cp, py,po trace and possible aspy trace
660285	Rusty angular qtz boulder with phyllite wallrock. 1%py with trace po
660286	Rusty qtz sweats with graphitic laminates near phyllite host
660287	Bx healed rounded amorphous qtz float. Healed partly with 10-30% py.
660201	Quartz in metavolcanic with galena, and pyrite
660202	Similar to 660201 as qtz in green diorite? With gn, py and trace sp. Angular boulders
660203	Black fine sedimentary gneiss / mica schist
660204	Semi massive Py / mag in meta sed?
660205	Rusty boulder, highly magnetic, angular and friable
660206	Large rusty boulder
660207	Large sub angular boulder, rusty with pyrite
660208	Angular rusty boulder with py po? And cp?
660209	Angulular rusty qtz with py, aspy, sp, possible cp
660210	same as 660209
660211	Angular qtz boulder with aspy
660212	Old site N1312. Schistose rock
660213	Boulder with py and possible aspy
660214	Boulder brecciated with possible aspy and qtz vein
660215	Boulder with massive pyrite
660216	Rusty boulder with fine to med grain sulphide
660217	Rusty boulder with qtz and leached cavities
660218	Large rusty angular boulder with graphite and py
660219	massive sulphide in dark schistose rock. Similar to 660218
660220	Rusty boulder with aspy, py, po and qtz
660221	Ang float boulder with qtz, po in unaltered platy vol
660222	Sub rounded boulder of qtz with py, sp, gn. Host unknown
660223	Rusty platy schist with py, po
660224	Qtz with cp in black schistose rock
660225	Qtz sub o/c with po?
941961	
941962	
660239	
660240	
660241	
660242	
660243	
671976	Resample of 660277
671977	qv material from south of 282
671978	qv material from south of 282
671979	qv material from south of 282
671980	qv material from south of 282
671981	QV material from 282 area
671982	
671983	
671984	
671985	
671986	
671987	
671988	
671989	
671990	
671991	
671992	
671993	
671994	
671995	
671996	
671997	
671998	

Rock Samples - PeterLake property

9

Sample#	Description
671999	
672000	
GD-10	
GD-11	
GD-12	
GD-13	
GD-14	
GD-15	
GD-16	
GD-17	
GD-18	
GD-3	
GD-4	
GD-5	
GD-6	
GD-7	
GD-8	
GD-9	
671501	Meta vol, dark grey - black with qtz veing with 2-5% py
671502	Qtz feld biotite gneiss with qv + py and gn traces with 1% py
671503	Meta vol host for 80% qtz vein with biotite/chlor
671504	Mafic to ultra mafic vol with 40% qtz vein flooding and 10% py cubes throughout
671505	Qtz vein minor biotite feldspar with 3-5% py throughout qtz
671506	Meta vol qith qtz flooding and feldspar augens. 10% py throughout
671507	UM, dark grey to black with qtz carb veinlets. Abund py with po
671508	Silicate BIF, mainly qtz with mm scale bands of amph / chlorite. Garnet with 1-2% py
671509	Qtz sericite with vuggy qtz vein
671510	Meta vol with qtz chlorite and qtz veins. 10-15% py along fracts
671511	Meta vol with qtz veins. Py along fracts. Wall rock qtz chlorite
671512	Meta vol qtz chl with qv's. 5-10% py pervasive. Boulder .75 x .50 x .20
671513	Qtz carb boulder 25 x 40cmwith vuggy qtz veins with chlFe-carb clots and trace pyrite
671514	Sub rounded qtz chl boulder with py conc along fracts. 15cm round
671515	Chl rich meta vol with qtz veining and flooding. 50% py in in qtz vns
671516	Ultramafic boulder 1m x 0.5 x 0.2m. Qtz carb flooding with minor py. Magnetic
671517	UM boulder, carb pitting. Dark matrix with 3cm qv. Py 2-3%, possible Po. Highly magnetic. Near drill hole
671518	
671519	
671526	Wall rock from sample 660288, the 282 vein
671527	Sheared volcanic, dark green-grey, mag, qtz flooded, py aspy
671528	Greywacke, 80% qtz grains with biotite. 2-5% py with possible aspy
671529	Mainly qtz vein in altered mafic rock with minor py xtals. Milky white qtz, some vugs
671530	Angular metaseds, 30% qtz veins flooding?. Minor kspar 2-5% py sample at nose of small fold
671531	Meta seds with 60% qtz with biotite and qtz flooding / small veins with upto 2% py
671532	Qtz xtals and veining with fe stain, 1-2% py along wall rock contact
671533	Qtz fels (arkose) with 1-2 wide qtz + ch, py
671534	Large angular bouider greywacke with qtz vein upto 2cm wide. Contact has py xtals
671535	Small qtz boulder vuggy qtz milky white with 1% py, possible vg
671536	Large boulder mafic vol with xtals of feldspar or plag. Py upto 2% along fracts
671537	Angular boulder meta seds qtz biotite going to biotite. Fe stain with late qtz flooding with 2% py
671538	Boulder of green stone with 8cm with qtz vein with stringers 2-5% py in qtz
671539	Meta volcanic with qtz vein up to 15cm and 2% py
671540	Qtz biotite meta volcanic with qtz flooding and veinlets 2-5% py
671541	Qtz biotite meta volcanics. 2 different vein sets, abundant py mm scale. Small scale folding in qtz veining
671542	Qtz biotite meta-vol with qtz flooding.
671543	Qtz biotite meta vol with qtz flooding and veins. Py xtals throughout
671544	Qtz biotite slightly mag with 10% poorly formed garnets. 1-2% py
671545	Meta vol green grey with 5-10% py. Magnetic
671546	meta vol with small qtz veins and silica and 2% py
671547	Qtz biotite chlorite meta vol. Qtz veinlets up to 5mm wide. Magnetic
671548	Qtz biotite chl with small scale qtz veins mm scale. Py along qtz veins 2-5%
671549	Qtz chl biotite with minor qtz veining possible carbonate pitting. Py 5%
671550	Qtz feld biotite with 1%py along qtz feld veins
671976	
671977	Qtz flooding into meta-seds
660288	Weather and rounded semi massive sulphide in qtz matrix. Py dominant as diss and cubic. Exotic
660289	Amorphous qtz with fractures coated with chlorite, +/- py wisps. Minor carb altered frags

Rock Samples - PeterLake property

10

Sample#	Description
660290	Amorphous qtz with fractures coated with chlorite, +/- py wisps. Minor carb altered frags
660291	UM wall rock to 282 zone. Intense altered fine to med green/grey UM. Uhedral pyrite 1-2%, strong mag and network qtz carb veinlets
660292	Amorphous qtz material, milky clots with chlorite slivers and <1% py along fracts 10 x 20 x 20cm
660293	Milky qtz vein float, Fe stained with local clots of cm scale cubic py. Wisps along fracts, tr py diss in white qtz. 20 x 20cm
660294	White amorphous Qtz material with clots of py approx 1%
660295	Glassy milky white qtz, 20 x 20cm, Fe stained fract with v. local clots of py 1-5cm cubic
660296	Fe stained milky amorphous qtz, sericite wisps along fracts and weather beige carbonate and trace py
660297	Qtz boulder 90 x 70. Fe stained amorphous rextalized qtz. 1-3 % Py clots with sericite wisps.
660298	Rusty 5-10 qv with biotite rich metavol. Trace py, mal
660299	Qtz boulder with blebs and clots of cubic py along fracts.
660300	Rusty to milky qv boulder 30 x 40 cm. with 1-2% clots py near fracts
660301	Rusty to milky qv boulder 20 x 30 cm. with 1-2% po and trace py
660302	Finely spotted and laminated amphibolite boulder host with sample of 1 small 5-10 cm qz with 20% py, cp mix. Host highly magnetic
660303	50cm x 40cm mag-50%, garnet-10%, rusty platey laths m vol?
660276-1	Rusty glassy to amorphous qtz, <1%py trace cp. Single boulder 20cm x 10cm
660277-1	Amphibolite wallrock to 660276-1. Fine grain, black, minor biotite. Wispy py, non magnetic
660278-1	30cm x 20cm qtz with fe stained fracts with minor <1% py witrh trace gn/As??
660279-1	Intensely Carb altered / pitted UM. Wall rock to qtz at 282
660280-1	Rusty fractured qtz carb vein/boudin within carb altered um. Trace py, mag
660281-1	Rusty qtz vein 20cm x 20. Py blebs >2% with trace cp
660282-1	Qtz carb vein, minor rust and heavy boudinage within um host. Calcite clots, pervasive alteration
660283-1	Qtz vein 30cm x 10 Fe and blebs cp, po, py 1-4% combined
660284-1	Carb altered / pitted um with 20% local cp/py
660285-1	Coarse grain hornblendite. Intrusive looking with 5%po + 1%cp. Rounded boulder 30cm x 20cm - erratic?
660286-1	Qtz carb vein, minor rust and heavy boudinage within um host. Calcite clots, pervasive alteration
660287-1	10cm qtz carb vein with 1% py and tr cp blebs.Hornblendite/UM float
JC-26	Rusty sugary qv 4cm, folded in grey gneissic rock
JC-27	Qtz boulder 10x10cm, rusty, no sulphide seen. Non descript
JC-28	Rusty 5cm qv beside 671954 (15.5g), pitted surface from rusty weathered surface
JC-29	White beige sugary orthogneiss/paragneiss with wispy biotite, tr py. Resample of 671981 (65g Au) Why high Au??
JC-30	Qtz boulder 50cmx20cm, v hard, rusty amorphous white, 1-2%py clots and fracture stains, tr cp,po
JC-31	wall rock of JC-30. Dominant biotite 90%, with wispy laminates py (5%) trace cp. (White albite blebs??
JC-32	Qtz boulder 30x40cm white hard, with fractures fe stain, minor py blebs, +/- carb pits (Fe carb or calcite??). Local tourmaline. Beside 17.7g Au #660297
JC-33	Highly fractured rusty, pitted white quartz, sericite globs, minor py with fe carbonate, Local masses bladed tourmaline with possible VG
JC-34	Amorphous qtz 40x50cm with local fe carb pits and blebs py, tr cp, with unknow dull silver mineral (hem??)
JC-35	White amorphous / part sugary qtz, 20x20cm, loc fractures with cubic py 1-2%, gn <1% and tr cp, mal / azu
JC-36	Whitish bull qtz, 2m x 0.7m, part sugarywith fe stain. Part carb pits with biotite laminates
JC-37	Amorphous fe stained qtz, 30x40cm, with biotite, sericite, with wispy to clotty py. Hard and concoidal
JC-38	White grey amorphous qtz, part sugar, with wispy ser and carbonate blebs, local fresh blebs py. 40x10cms
671951	host rock of 38 gm (ronb sample) appears to be alt'd granitic rock wi/ dissem py and minor qtz
671952	large qtz/felds +/- biotite boulder w/occas py; appears like qtz is broken or 'reworked'
671953	small boulder of schist ?? w/qtz vein w/py along contact; appears to be some acid leaching (ratty boxworks) of py
671954	large boulder; appears to be granitic w/ .5 to 2 cm qtz veins w/sporadic coarse py and galena
671955	small boulder of granite gneiss(?) w/occas galena and trace coarse pyrite
671956	small boulder waters edge; carb alt'd volc w/felds, qtz; tr py, +/- cpy
671957	med sized qtz boulder; host possible biotite schist; py and occas arseno? ..and possible cpy
671958	rusty qtz-biotite boulder; schist (?); occas 'knots' of py
671959	rusty boulder w/qtz and occas 'streaks' of biotite; rare cpy(?) and traces of py
671960	small rustybouldr w/spotty pyrite along foliation; possible traces of cpy
671961	rusty quartz in soil; many pieces and likely from larger boulder below; host appears to be biotite schist.
671962	qtz-carb-volc; foliated w/py in both qtz and host; more similar float in area
671963	qtz-biotite-kspar rock w/coarse dissem py and possible cpy
671964	sm rusty qtz-biotite schist boulder w/tr cpy and py
671965	15 to 20 cm qtz vein in felsic granitic rock; coarse galena & py; large angular boulder
671966	sub rouned boulder, rusty quartz vein w/py; host appears to be fine micro diortite
671967	boulder rusty qtz w/very coarse py, fine tourmaline; host fine felsite
671968	angular boulder; biotite-qtz 'schist'; possible carbonate veinlet w/occas pyrite
671969	large sub angular boiulder met volc w/qtz, py conforming to foliation
671970	large boulder foliated carb altered volcanic (?) w/rusty quartz w/py, galena and possible cpy
671971	sim rock to last; rusty quartz w/pyrite and possible cpy

APPENDIX II Till Sample Gold Grains– Overburden Drilling Management (ODM) – 2009 thru 2016

Till - GOLD GRAIN COUNTS - PETER LAKE PROJECT

3

Seq	Sample No.	east-83	north-83	Company	year	>2mm V/S%	>2mm GR%	>2mm LS%	>2mm OT%	Au grains total	reshaped	modified	pristine	table feed<2mm kg	Norm total 10kg	Norm reshaped	Norm modified	Norm pristine	ODM File
1	S-001	523222	6999061	Meliadine	2009	50	50	0	0	29	13	9	7	9.8	30	13	9	7	20094783
2	S-002	523122	6999637	Meliadine	2009	30	35	0	35	80	16	20	44	10.4	77	15	19	42	20094783
3	S-003	523477	6999712	Meliadine	2009	30	70	0	0	20	7	7	6	9.6	21	7	7	6	20094783
4	S-004	523450	6999120	Meliadine	2009	65	35	0	0	66	26	24	16	9.1	73	29	26	18	20094783
5	S-005	523615	6998623	Meliadine	2009	55	45	0	0	84	20	28	36	9.9	85	20	28	36	20094783
6	S-006	523237	6998531	Meliadine	2009	95	5	0	Tr	110	18	34	58	10.0	110	18	34	58	20094783
7	S-007	523376	6998007	Meliadine	2009	60	20	0	20	25	12	6	7	10.4	24	12	6	7	20094783
8	S-008	523999	6998250	Meliadine	2009	75	25	0	0	46	17	10	19	8.5	54	20	12	22	20094783
9	S-009	524398	6998203	Meliadine	2009	90	10	0	0	30	12	9	9	9.2	33	13	10	10	20094783
10	S-010	524421	6997558	Meliadine	2009	30	20	Tr	50	32	12	8	12	10.1	32	12	8	12	20094783
11	S-011	524008	6997695	Meliadine	2009	95	5	0	0	2	2	0	0	8.2	2	2	0	0	20094783
12	S-012	523763	6997213	Meliadine	2009	90	10	0	Tr	64	13	16	35	7.5	85	17	21	47	20094783
13	S-013	524108	6996926	Meliadine	2009	95	5	0	0	19	6	7	6	8.5	22	7	8	7	20094783
14	S-014	524564	6997261	Meliadine	2009	70	30	Tr	0	22	9	7	6	9.7	23	9	7	6	20094783
15	S-015	525100	6997091	Meliadine	2009	40	60	0	0	6	2	1	3	10.3	6	2	1	3	20094783
16	S-016	525355	6996278	Meliadine	2009	45	55	0	0	39	20	5	14	9.7	40	21	5	14	20094783
17	S-017	524946	6996295	Meliadine	2009	35	30	0	35	31	14	10	7	9.3	33	15	11	8	20094783
18	S-018	524580	6996060	Meliadine	2009	20	10	0	70	35	10	10	15	8.3	42	12	12	18	20094783
19	S-019	525011	6995916	Meliadine	2009	65	35	0	Tr	48	23	14	11	8.4	57	27	17	13	20094783
20	S-020	524517	6996957	Meliadine	2011	80	20	0	Tr	31	9	7	15	5.0	62	18	14	30	20115646
21	S-021	524702	6996987	Meliadine	2011	80	20	0	0	81	30	5	46	7.2	113	42	7	64	20115646
22	S-022	525040	6996962	Meliadine	2011	80	20	0	0	27	14	4	9	5.0	54	28	8	18	20115646
23	S-023	525376	6997209	Meliadine	2011	90	10	0	0	55	21	18	16	9.4	59	22	19	17	20115646
24	S-024	525597	6996991	Meliadine	2011	5	0	0	95	36	27	4	5	8.1	44	33	5	6	20115646
25	S-025	525504	6996760	Meliadine	2011	30	70	0	0	27	15	3	9	3.9	69	38	8	23	20115646
26	S-026	525225	6996800	Meliadine	2011	80	20	0	0	62	17	7	38	5.6	111	30	13	68	20115646
27	S-027	524989	6996685	Meliadine	2011	90	10	0	0	23	7	5	11	5.3	43	13	9	21	20115646
28	S-028	524741	6996789	Meliadine	2011	10	90	0	0	11	7	1	3	6.4	17	11	2	5	20115646
29	S-029	524484	6996742	Meliadine	2011	90	10	0	0	22	10	3	9	4.6	48	22	7	20	20115646
30	S-030	524571	6996486	Meliadine	2011	90	10	0	0	19	8	5	6	5.4	35	15	9	11	20115646
31	S-031	524800	6996470	Meliadine	2011	90	10	0	0	29	11	8	10	4.9	59	22	16	20	20115646
32	S-032	525011	6996505	Meliadine	2011	10	90	0	0	7	5	1	1	7.8	9	6	1	1	20115646
33	S-033	525266	6996491	Meliadine	2011	10	90	0	0	42	11	17	14	8.7	48	13	20	16	20115646
34	S-034	525422	6996471	Meliadine	2011	20	80	0	0	33	16	8	9	6.2	53	26	13	15	20115646
35	S-035	525521	6996215	Meliadine	2011	10	90	0	0	29	18	7	4	5.9	49	31	12	7	20115646
36	S-036	525268	6996240	Meliadine	2011	10	90	0	0	41	20	10	11	6.9	59	29	14	16	20115646
37	S-037	524920	6996271	Meliadine	2011	0	5	0	95	33	12	8	13	6.5	51	18	12	20	20115646
38	S-038	524702	6996312	Meliadine	2011	90	10	0	0	22	13	3	6	4.0	55	33	8	15	20115646
39	S-039	524507	6996208	Meliadine	2011	10	90	0	0	6	3	1	2	5.9	10	5	2	3	20115646
40	S-040	524586	6996068	Meliadine	2011	15	5	Tr	80	5	0	2	3	4.2	12	0	5	7	20115649
41	S-041	524759	6996001	Meliadine	2011	95	5	0	Tr	46	23	9	14	7.9	58	29	11	18	20115649
42	S-042	524957	6996057	Meliadine	2011	95	5	0	0	52	29	10	13	7.8	67	37	13	17	20115649
43	S-043	525285	6996057	Meliadine	2011	60	40	0	0	37	25	10	2	9.0	41	28	11	2	20115649
44	S-044	525430	6995946	Meliadine	2011	95	5	0	0	9	5	2	2	3.1	29	16	6	6	20115649
45	S-045	524216	6996055	Meliadine	2011	80	20	0	0	32	12	8	12	9.7	33	12	8	12	20115649
46	S-046	524114	6995951	Meliadine	2011	60	40	0	0	98	18	31	49	9.7	101	19	32	51	20115649
47	S-047	523988	6996272	Meliadine	2011	50	50	0	0	45	13	11	21	8.1	56	16	14	26	20115649
48	S-048	524271	6996235	Meliadine	2011	20	80	0	0	47	12	14	21	8.4	56	14	17	25	20115649
49	S-049	524279	6996488	Meliadine	2011	95	5	0	Tr	44	18	10	16	9.5	46	19	11	17	20115649
50	S-050	524074	6996526	Meliadine	2011	40	30	0	30	13	6	5	2	8.0	16	8	6	3	20115649
51	S-052	524109	6996927	Meliadine	2011	100	Tr	0	0	13	7	4	2	3.8	34	18	11	5	20115649
52	S-054	524108	6997203	Meliadine	2011	90	10	0	0	16	2	9	5	6.8	24	3	13	7	20115649
53	S-056	524549	6997275	Meliadine	2011	40	20	0	40	28	11	11	6	7.3	38	15	15	8	20115649
54	S-057	524778	6997332	Meliadine	2011	90	10	0	0	17	8	5	4	7.5	23	11	7	5	20115649
55	S-058	524997	6997250	Meliadine	2011	20	80	0	0	15	8	5	2	8.5	18	9	6	2	20115649
56	S-060	525515	6997262	Meliadine	2011	40	60	0	0	36	14	14	8	8.9	40	16	16	9	20115649
57	S-061	525501	6997490	Meliadine	2011	20	80	0	0	12	5	5	2	7.8	15	6	6	3	20115649
58	S-062	525237	6997488	Meliadine	2011	90	10	0	0	18	9	5	4	7.6	24	12	7	5	20115649
59	S-063	525015	6997560	Meliadine	2011	95	5	0	0	31	8	17	6	7.7	40	10	22	8	20115649
60	S-064	525009	6997724	Meliadine	2011	95	5	0	0	38	12	17	9	8.0	48	15	21	11	20115655
61	S-065	525253	6997760	Meliadine	2011	10	90	0	0	22	7	4	11	8.5	26	8	5	13	20115655
62	S-068	525248	6997995	Meliadine	2011	10	90	0	0	44	13	10	21	8.2	54	16	12	26	20115655
63	S-069	525041	6997935	Meliadine	2011	15	85	0	0	15	7	4	4	6.3	24	11	6	6	20115655
64	S-070	524759	6997994	Meliadine	2011	70	30	0	0	21	11	5	5	6.6	32	17	8	8	20115655
65	S-071	524432	6998039	Meliadine	2011	Tr	10	0	90	21	5	9	7	7.4	28	7	12	9	20115655
66	S-072	524237	6997982	Meliadine	2011	60	40	0	0	47	22	13	12	7.8	60	28	17	15	20115655
67	S-073	524039	6997978	Meliadine	2011	95	5	0	0	37	17	4	16	6.4	58	27	6	25	20115655
68	S-074	524016	6997685	Meliadine	2011	95	5	0	0	23	13	1	9	7.1	32	18	1	13	20115655
69	S-075	524263	6997681	Meliadine	2011	5	20	0	75	49	30	7	12	8.2	60	37	9	15	20115655
70	S-076	524236	6997481	Meliadine	2011	15	5	0	80	30	16	4	10	8.3	36	19	5	12	20115655
71	S-077	523921	6997532	Meliadine	2011	95	5	0	0	8	4	1	3	6.3	13	6	2	5	20115655
72	S-078	523827	6997761	Meliadine	2011	95	5	0	0	18	11	5	2	7.5	24	15	7	3	20115655
73	S-081	523282	6997528	Meliadine	2011	10	Tr	0	90	19	8	3	8	8.6	22	9	3	9	20115655
74	S-082	522999	6997505	Meliadine	2011	100	0	0	0	10	5	3	2	8.1	12	6	4	2	20115655
75	S-083	522817	6997488	Meliadine	2011	30	70	0	0	86	49	14	23	8.2	105	60	17	28	20115655
76	S-084	522744	6997737	Meliadine	2011	20	80	0	0	25	14	4	7	9.4	27	15	4	7	20115655
77	S-087	523257	6997983	Meliadine	2011	90	10	0	0	36	25	4	7	6.6	55	38	6	11	20115655
78	S-088	523504	6997979	Meliadine	2011	90	10	0	0	35	25	2	8	6.0	58	42	3	13	20115655
79	S-091	523749	6998252	Meliadine	2011	40	60	0	0	26	15	5	6	9.0	29	17	6	7	20115655
80	S-092	523544	6998243	Meliadine	2011	50	50	0	0	16	10	4	2	8.9	18	11	4	2	20115677
81	S-094	523012	6998252	Meliadine	2011	20	30	0	50	25	15	3	7	9.3	27	16	3	8	20115677
82	S-095	522999	6998500	Meliadine	2011	90	10	0	0	28	16	4	8	8.0	35	20	5	10	20115677
83	S-096	523259	6998505	Meliadine	2011	100	Tr	0	0	73	46	4	23	7.9	92	58	5	29	20115677
84	S-097	523505	6998451	Meliadine	2011	40	60	0	0	51	33	2	16	7.8	65	42	3	21	20115677
85	S-098	523486	6998715	Meliadine	2011	20	80	0	0	37	17	5	15	7.2	51	24	7	21	20115677
86	S-099	523238	6998757	Meliadine	2011	10	90	0	0	66	37	7	22	8.7	76	43	8	25	20115677
87	S-100	523015	6998753	Meliadine	2011	100	Tr	0	0	81	62	7	12	8.1	100	77	9	15	20115677

Till - GOLD GRAIN COUNTS - PETER LAKE PROJECT

3

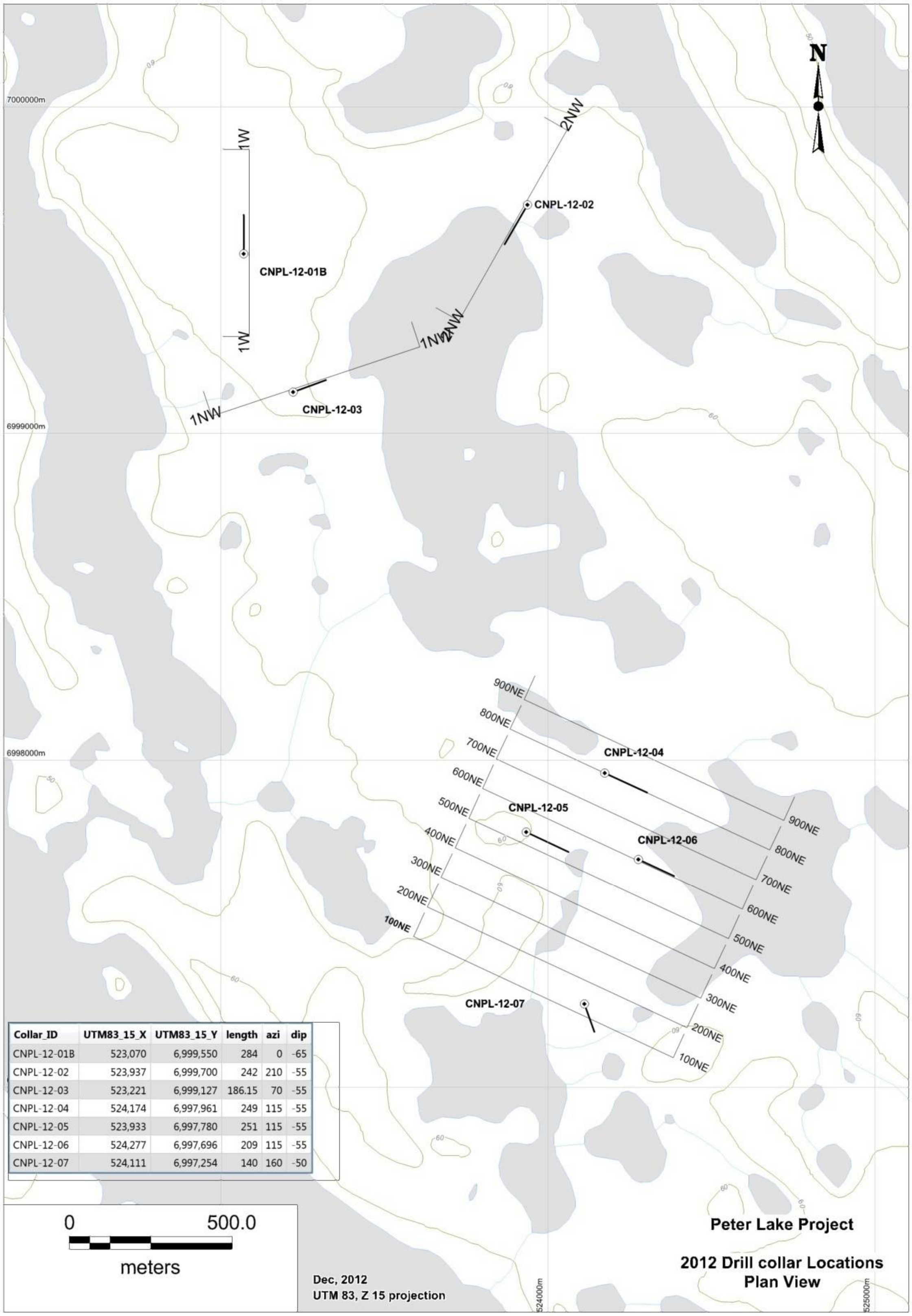
Seq	Sample No.	east-83	north-83	Company	year	>2mm_V/S%	>2mm_GR%	>2mm_LS%	>2mm_OT%	Au grains_total	reshaped	modified	pristine	table feed<2mm kg	Norm total 10kg	Norm reshaped	Norm modified	Norm pristine	ODM File
88	S-101	522856	6998746	Meliadine	2011	60	30	0	10	37	10	8	19	8.8	42	11	9	22	20115677
89	S-102	522987	6999011	Meliadine	2011	20	80	0	0	60	24	19	17	8.4	71	29	23	20	20115677
90	S-103	523258	6999019	Meliadine	2011	10	90	0	0	57	17	16	24	9.4	61	18	17	26	20115677
91	S-104	523475	6999018	Meliadine	2011	20	80	0	0	48	23	9	16	9.3	52	25	10	17	20115677
92	S-106	523005	6999298	Meliadine	2011	10	90	0	0	37	22	3	12	9.3	40	24	3	13	20115677
93	S-107	522751	6999505	Meliadine	2011	20	80	0	0	43	32	2	9	8.9	48	36	2	10	20115677
94	S-108	523013	6999540	Meliadine	2011	10	90	0	0	60	43	5	12	8.9	67	48	6	13	20115677
95	S-109	523257	6999453	Meliadine	2011	10	90	0	0	24	10	4	10	8.0	30	13	5	13	20115677
96	S-110	523477	6999552	Meliadine	2011	10	90	0	0	21	7	8	6	8.4	25	8	10	7	20115677
97	S-111	523490	6999733	Meliadine	2011	Tr	100	0	0	81	45	9	27	8.2	99	55	11	33	20115677
98	S-112	523248	6999743	Meliadine	2011	10	90	0	0	46	27	5	14	8.7	53	31	6	16	20115677
99	S-113	522996	6999745	Meliadine	2011	20	80	0	0	24	15	4	5	8.0	30	19	5	6	20115677
100	S-114	522755	6999746	Meliadine	2011	30	70	0	0	13	10	1	2	8.5	15	12	1	2	20115681
101	S-115	523995	6998243	Meliadine	2011	60	40	0	0	37	18	5	14	7.8	47	23	6	18	20115681
102	S-116	524250	6998255	Meliadine	2011	90	10	0	0	31	19	0	12	7.6	41	25	0	16	20115681
103	S-117	524503	6998253	Meliadine	2011	100	Tr	0	0	20	13	4	3	7.4	27	18	5	4	20115681
104	S-118	524803	6998288	Meliadine	2011	50	50	0	0	12	6	2	4	8.0	15	8	3	5	20115681
105	S-119	525112	6998286	Meliadine	2011	20	80	0	0	25	13	4	8	8.1	31	16	5	10	20115681
106	S-120	525248	6998290	Meliadine	2011	30	70	0	0	14	7	3	4	8.2	17	9	4	5	20115681
107	S-121	525530	6998235	Meliadine	2011	20	80	0	0	14	11	1	2	8.6	16	13	1	2	20115681
108	S-123	525247	6998484	Meliadine	2011	10	90	0	0	30	18	2	10	8.2	37	22	2	12	20115681
109	S-124	524982	6998499	Meliadine	2011	20	80	0	0	13	9	3	1	8.3	16	11	4	1	20115681
110	S-125	524754	6998503	Meliadine	2011	20	80	0	0	22	14	2	6	8.7	25	16	2	7	20115681
111	S-127	524258	6998752	Meliadine	2011	60	40	0	0	35	16	8	11	7.7	45	21	10	14	20115681
112	S-128	524494	6998751	Meliadine	2011	30	70	0	0	33	18	3	12	8.4	39	21	4	14	20115681
113	S-129	524747	6998750	Meliadine	2011	30	70	0	0	29	17	6	6	8.4	35	20	7	7	20115681
114	S-130	524986	6998769	Meliadine	2011	10	90	0	0	66	39	6	21	8.5	77	46	7	25	20115681
115	S-132	525501	6998750	Meliadine	2011	40	60	0	0	49	27	10	12	6.2	79	44	16	19	20115681
116	S-134	523747	6996714	Meliadine	2011	90	10	0	0	20	14	3	3	8.7	23	16	3	3	20115681
117	S-135	523493	6996737	Meliadine	2011	10	90	0	0	83	51	9	23	7.8	106	65	12	29	20115681
118	S-136	523515	6997049	Meliadine	2011	40	60	0	0	89	43	19	27	5.9	150	72	32	45	20115681
119	S-137	523416	6997206	Meliadine	2011	45	50	0	5	41	15	14	12	8.2	50	18	17	15	20115681
120	S-139	524121	6998953	Meliadine	2013	80	20	0	0	28	5	6	17	7.0	40	7	9	24	20136357
121	S-140	524380	6998960	Meliadine	2013	70	30	0	0	20	5	7	8	8.7	23	6	8	9	20136357
122	S-141	524621	6998955	Meliadine	2013	90	10	0	0	14	4	5	5	7.2	19	6	7	7	20136357
123	S-142	524895	6998958	Meliadine	2013	40	60	0	0	36	6	13	17	7.3	49	8	18	23	20136357
124	S-143	525106	6998954	Meliadine	2013	80	20	0	0	17	4	2	11	6.2	27	6	3	18	20136357
125	S-144	525376	6998955	Meliadine	2013	60	40	0	0	13	1	3	9	7.2	18	1	4	13	20136357
126	S-145	525308	6999198	Meliadine	2013	70	30	0	0	8	4	2	2	8.9	9	4	2	2	20136357
127	S-146	524779	6999118	Meliadine	2013	30	70	0	0	20	10	7	3	10.1	20	10	7	3	20136357
128	S-147	524471	6999221	Meliadine	2013	80	20	0	0	37	5	10	22	8.7	43	6	11	25	20136357
129	S-148	524317	6999272	Meliadine	2013	50	50	0	0	22	8	7	7	8.1	27	10	9	9	20136357
130	S-149	524053	6999207	Meliadine	2013	90	10	0	0	27	8	3	16	6.0	45	13	5	27	20136357
131	S-150	523862	6999194	Meliadine	2013	70	30	0	0	40	7	15	18	7.4	54	9	20	24	20136357
132	S-151	523951	6999552	Meliadine	2013	60	40	0	0	35	9	9	17	8.9	39	10	10	19	20136357
133	S-152	524185	6999571	Meliadine	2013	60	40	0	0	63	14	26	23	8.1	78	17	32	28	20136357
134	S-153	524455	6999548	Meliadine	2013	70	30	0	0	49	13	13	23	7.9	62	16	16	29	20136357
135	S-154	524741	6999537	Meliadine	2013	80	20	0	0	73	1	20	52	4.4	166	2	45	118	20136357
136	S-155	524981	6999558	Meliadine	2013	60	40	0	0	18	4	3	11	8.1	22	5	4	14	20136357
137	S-156	525161	6999547	Meliadine	2013	70	30	0	0	13	11	1	1	7.9	16	14	1	1	20136357
138	S-157	523680	6999793	Meliadine	2013	50	50	0	0	46	13	9	24	7.4	62	18	12	32	20136357
139	S-158	523924	6999803	Meliadine	2013	80	20	0	0	66	20	17	29	8.6	77	23	20	34	20136357
140	S-159	524176	6999799	Meliadine	2013	80	20	0	0	88	15	37	36	7.7	114	19	48	47	20136357
141	S-160	524682	6999803	Meliadine	2013	40	60	0	0	47	11	12	24	10.4	45	11	12	23	20136357
142	S-161	524973	6999810	Meliadine	2013	60	40	0	0	185	19	47	119	10.1	183	19	47	118	20136357
143	S-162	522479	6999939	Meliadine	2013	50	50	0	0	41	12	11	18	9.4	44	13	12	19	20136357
144	S-163	522738	6999940	Meliadine	2013	40	60	0	0	22	4	9	9	9.5	23	4	9	9	20136357
145	S-164	522997	6999974	Meliadine	2013	40	60	0	0	16	10	4	2	9.5	17	11	4	2	20136357
146	S-165	523233	6999980	Meliadine	2013	60	40	0	0	22	8	9	5	10.0	22	8	9	5	20136357
147	S-166	523500	6999894	Meliadine	2013	70	30	0	0	36	5	13	18	9.0	40	6	14	20	20136357
148	S-167	523885	7000066	Meliadine	2013	40	60	0	0	72	6	16	50	7.4	97	8	22	68	20136357
149	S-168	524171	7000046	Meliadine	2013	50	50	0	0	41	10	15	16	7.9	52	13	19	20	20136357
150	S-169	524524	7000043	Meliadine	2013	50	50	0	0	28	5	5	18	8.7	32	6	6	21	20136357
151	S-170	524721	6999993	Meliadine	2013	60	40	0	0	15	5	2	8	9.2	16	5	2	9	20136357
152	S-171	522863	7000203	Meliadine	2013	30	70	0	0	6	3	1	2	9.1	7	3	1	2	20136357
153	S-172	523086	7000186	Meliadine	2013	20	80	0	0	19	14	4	1	7.6	25	18	5	1	20136357
154	S-173	523349	7000104	Meliadine	2013	50	50	0	0	23	10	3	10	8.8	26	11	3	11	20136357
155	S-174	524402	7000294	Meliadine	2013	40	60	0	0	22	6	5	11	9.3	24	6	5	12	20136357
156	S-175	524715	7000289	Meliadine	2013	40	60	0	0	17	3	5	9	9.7	18	3	5	9	20136357
157	S-176	522459	7000461	Meliadine	2013	40	60	0	0	27	4	8	15	8.8	31	5	9	17	20136357
158	S-177	522786	7000441	Meliadine	2013	50	50	0	0	69	12	11	46	8.4	82	14	13	55	20136357
159	S-178	523107	7000516	Meliadine	2013	80	20	0	0	227	14	81	132	7.5	303	19	108	176	20136357
160	S-179	523581	7000446	Meliadine	2013	50	50	0	0	21	4	7	10	9.3	23	4	8	11	20136357
161	S-180	523950	7000353	Meliadine	2013	40	60	0	0	28	10	10	8	8.8	32	11	11	9	20136357
162	S-182	522581	7000837	Meliadine	2013	30	70	0	0	53	20	11	22	10.2	52	20	11	22	20136357
163	S-183	522864	7000807	Meliadine	2013	30	70	0	0	241	15	64	162	7.6	317	20	84	213	20136357
164	S-184	523544	7000849	Meliadine	2013	30	70	0	0	48	3	18	27	8.3	58	4	22	33	20136357
165	S-185	523777	7001417	Meliadine	2013	30	70	0	0	36	11	8	17	7.0	51	16	11	24	20136357
166	S-186	523486	7001658	Meliadine	2013	50	50	0	0	115	5	16	94	7.6	151	7	21	124	20136357
167	S-187	523234	7001750	Meliadine	2013	30	70	0	0	3	2	0	1	8.1	4	2	0	1	20136357
168	S-188	522300	7001306	Meliadine	2013	30	70	0	0	41	20	3	18	8.1	51	25	4	22	20136357
169	S-189	524034	7000679	Meliadine	2013	70	30	0	0	20	14	5	1	9.0	22	16	6	1	20136357
170	S-190	523823	7000893	Meliadine	2013	30	40	0	30	16	2	2	12	7.2	22	3	3	17	20136357
171	S-191	524595	7000820	Meliadine	2013	60	40	0	0	12	7	2	3	7.8	15	9	3	4	20136357
172	S-192	524905	7000966	Meliadine	2013	60	40	0	0	37	8	14	15	8.0	46	10	18	19	20136357
173	S-193	525244	7000663	Meliadine	2013	50	50	0	0	30	14	7	9	8.4	36	17	8	11	20136357
174	S-194	525476	7000879	Meliadine	2013	50	50	0	0	5	2	1	2	8.0	6	3	1	3	20136357

Till - GOLD GRAIN COUNTS - PETER LAKE PROJECT

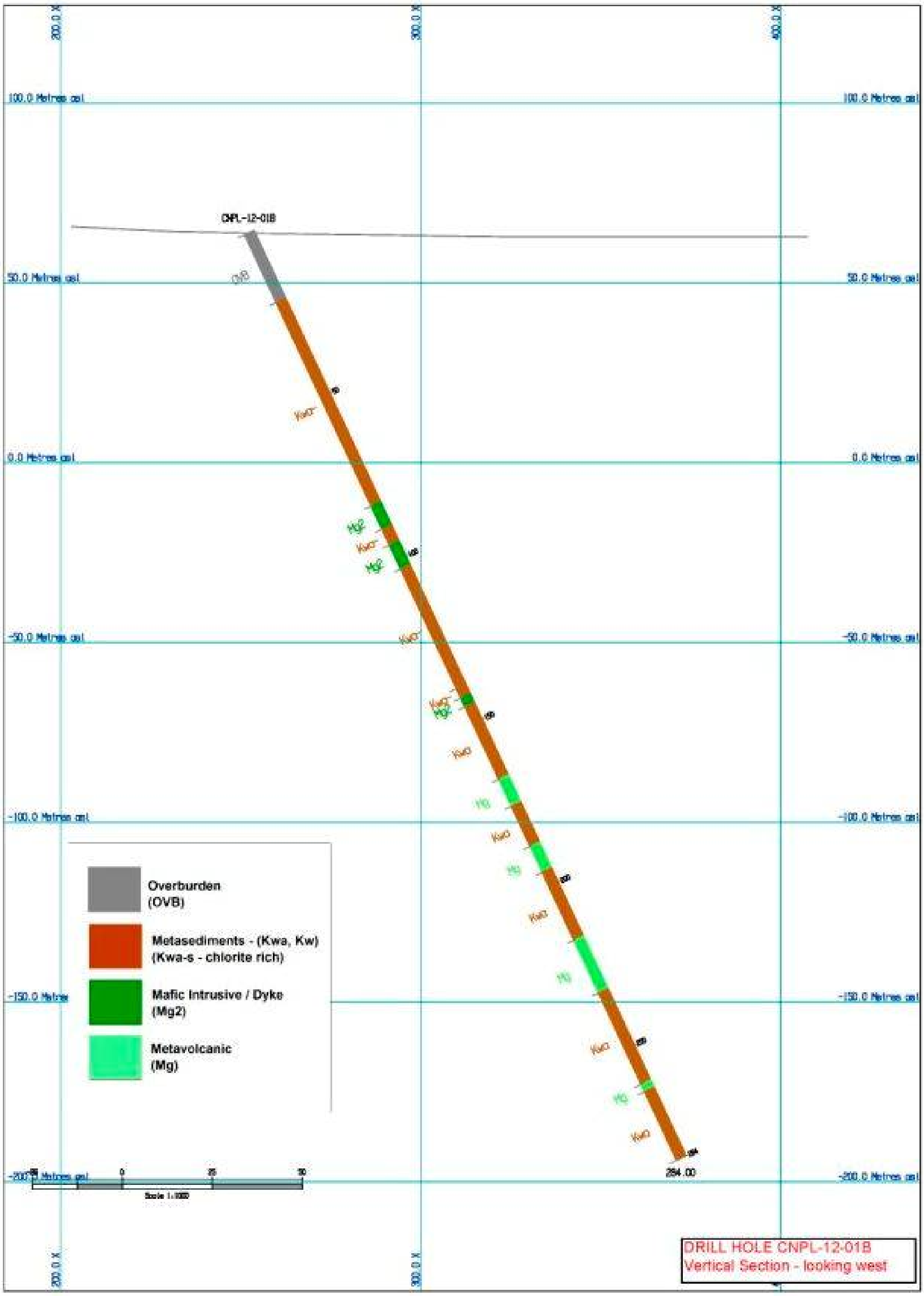
3

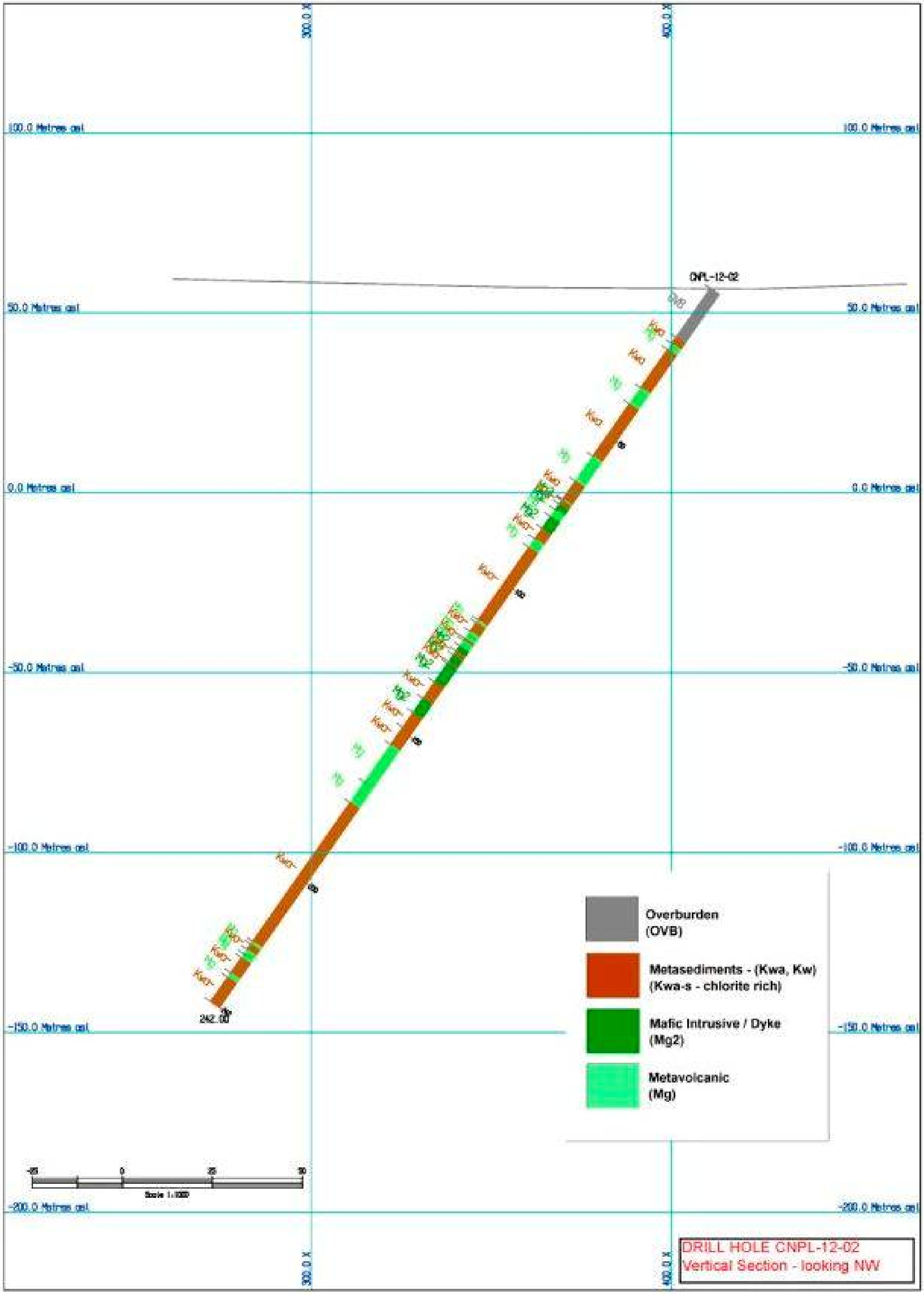
Seq	Sample No.	east-83	north-83	Company	year	>2mm V/S%	>2mm GR%	>2mm LS%	>2mm OT%	Au grains total	reshaped	modified	pristine	table feed<2mm kg	Norm total 10kg	Norm reshaped	Norm modified	Norm pristine	ODM File
175	S-195	523237	6998531	Meliadine	2013	100	0	0	0	31	10	9	12	7.4	42	14	12	16	20136357
176	S-196	524698	6998985	Meliadine	2013	80	20	0	0	33	5	12	16	7.9	42	6	15	20	20136357
177	S-197	524652	6996954	Meliadine	2013	10	10	0	80	28	7	11	10	9.8	29	7	11	10	20136357
178	S-198	524634	6996905	Meliadine	2013	30	70	0	0	24	5	3	16	8.7	28	6	3	18	20136357
179	S-199	524600	6996869	Meliadine	2013	60	40	0	0	15	4	5	6	7.7	19	5	6	8	20136357
180	S-200	524736	6997036	Meliadine	2013	60	40	0	0	12	6	2	4	7.8	15	8	3	5	20136357
181	S-201	524769	6997060	Meliadine	2013	60	40	0	0	22	12	6	4	7.1	31	17	8	6	20136357
182	S-202	524800	6997105	Meliadine	2013	80	20	0	0	19	5	5	9	7.8	24	6	6	12	20136357
183	S-203	524782	6997018	Meliadine	2013	80	20	0	0	29	6	4	19	9.3	31	6	4	20	20136357
184	S-204	519407	6998798	Meliadine	2014	5	90	0	5	246	48	78	120	9.0	273	53	87	133	20146677
185	S-205	520985	6998841	Meliadine	2014	5	90	0	5	79	16	30	33	8.1	98	20	37	41	20146677
186	S-206	521556	6998824	Meliadine	2014	5	95	0	Tr	42	13	16	13	13.5	31	10	12	10	20146677
187	S-207	522358	6998782	Meliadine	2014	5	90	0	5	85	29	31	25	9.4	90	31	33	27	20146677
188	S-208	522535	6998134	Meliadine	2014	5	90	0	5	49	3	29	17	9.2	53	3	32	18	20146677
189	S-209	521744	6997417	Meliadine	2014	5	80	0	15	65	26	13	26	9.5	68	27	14	27	20146677
190	S-210	520279	6997826	Meliadine	2014	10	85	0	5	101	34	32	35	8.5	119	40	38	41	20146677
191	S-211	518333	7002995	Meliadine	2014	5	90	0	5	18	12	3	3	8.6	21	14	3	3	20146677
192	S-212	519429	7002526	Meliadine	2014	10	80	0	10	17	8	5	4	10.8	16	7	5	4	20146677
193	S-213	518226	7001780	Meliadine	2014	10	80	0	10	12	7	2	3	9.7	12	7	2	3	20146677
194	S-214	519376	7001103	Meliadine	2014	10	85	0	5	100	10	28	62	8.9	112	11	31	70	20146677
195	S-215	518920	7000337	Meliadine	2014	Tr	90	10	Tr	246	6	50	190	8.0	308	8	63	238	20146677
196	S-216	520588	7000424	Meliadine	2014	5	90	0	5	7	3	2	2	11.2	6	3	2	2	20146677
197	S-217	520637	6999667	Meliadine	2014	Tr	95	0	5	65	5	31	29	10.9	60	5	28	27	20146677
198	S-218	519803	7003021	Meliadine	2014	Tr	90	0	10	7	2	5	0	11.7	6	2	4	0	20146677
199	S-219	520316	7002492	Meliadine	2014	5	90	0	5	40	8	18	14	10.4	38	8	17	13	20146677
200	S-220	520078	7001702	Meliadine	2014	Tr	100	0	Tr	25	4	12	9	9.6	26	4	13	9	20146677
201	S-221	520855	7001189	Meliadine	2014	5	95	0	Tr	41	6	18	17	10.3	40	6	17	17	20146677
202	S-222	521787	7001151	Meliadine	2014	Tr	90	0	10	41	8	18	15	10.7	38	7	17	14	20146677
203	S-223	522128	7000477	Meliadine	2014	Tr	95	Tr	5	42	10	20	12	8.9	47	11	22	13	20146677
204	S-224	522064	6999721	Meliadine	2014	10	80	0	10	108	12	54	42	10.4	104	12	52	40	20146677
205	S-225	521360	6999644	Meliadine	2014	10	80	0	10	45	11	22	12	9.3	48	12	24	13	20146677
206	S-226	521490	7001752	Meliadine	2014	Tr	85	10	5	100	14	37	49	9.5	105	15	39	52	20146677
207	S-227	522349	7001889	Meliadine	2014	5	85	0	10	17	9	4	4	10.7	16	8	4	4	20146677
208	S-228	522964	7001257	Meliadine	2014	Tr	90	5	5	72	19	21	32	10.6	68	18	20	30	20146677
209	S-229	523223	7002266	Meliadine	2014	5	85	0	10	10	4	3	3	10.5	10	4	3	3	20146677
210	S-230	523422	7002710	Meliadine	2014	5	90	0	5	17	6	6	5	10.2	17	6	6	5	20146677
211	S-231	523673	7002101	Meliadine	2014	10	85	0	5	14	4	5	5	9.0	16	4	6	6	20146677
212	S-232	524666	7002215	Meliadine	2014	5	90	0	5	13	7	4	2	11.5	11	6	3	2	20146677
213	S-233	525104	7001692	Meliadine	2014	10	85	0	5	12	8	4	0	9.2	13	9	4	0	20146677
214	S-234	524039	7003307	Meliadine	2014	90	10	Tr	Tr	13	6	5	2	9.6	14	6	5	2	20146677
215	S-235	523071	7003179	Meliadine	2014	95	5	0	Tr	9	6	2	1	9.1	10	7	2	1	20146677
216	S-236	522202	7003122	Meliadine	2014	5	90	0	5	55	13	18	24	8.5	65	15	21	28	20146677
217	S-237	521550	7002624	Meliadine	2014	10	85	0	5	40	7	19	14	9.3	43	8	20	15	20146677
218	S-238	521016	7003466	Meliadine	2014	20	80	Tr	Tr	31	13	12	6	8.7	36	15	14	7	20146677
219	S-239	520902	7004322	Meliadine	2014	5	90	0	5	27	15	11	1	10.2	26	15	11	1	20146677
220	S-240	519022	7004410	Meliadine	2014	10	85	0	5	23	8	10	5	9.8	23	8	10	5	20146677
221	S-241	524183	7005103	Meliadine	2014	Tr	100	0	Tr	8	4	4	0	10.2	8	4	4	0	20146677
222	S-242	525617	7005451	Meliadine	2014	5	95	0	Tr	8	5	3	0	8.8	9	6	3	0	20146677
223	S-243	526409	7004068	Meliadine	2014	5	90	0	5	5	3	0	2	11.4	4	3	0	2	20146677
224	S-244	525763	7003735	Meliadine	2014	100	Tr	Tr	0	1	1	0	0	7.7	1	1	0	0	20146677
225	S-245	524897	7003328	Meliadine	2014	10	85	0	5	4	1	2	1	8.2	5	1	2	1	20146677
226	S-246	526019	7002541	Meliadine	2014	5	90	0	5	7	6	1	0	9.7	7	6	1	0	20146677
227	S-247	520262	7005783	Meliadine	2014	5	90	0	5	6	3	1	2	9.1	7	3	1	2	20146677
228	S-248	520980	7005321	Meliadine	2014	5	60	30	5	40	11	24	5	9.5	42	12	25	5	20146677
229	S-249	522099	7005489	Meliadine	2014	5	90	0	5	6	3	3	0	8.7	7	3	3	0	20146677
230	S-250	522724	7004297	Meliadine	2014	Tr	95	0	5	13	10	3	0	10.7	12	9	3	0	20146677
231	S-251	518095	7004869	Meliadine	2014	Tr	95	0	5	9	5	4	0	8.8	10	6	5	0	20146677
232	S-252	517472	7003388	Meliadine	2014	5	90	0	5	19	12	7	0	9.4	20	13	7	0	20146677
233	S-253	521953	7002106	Meliadine	2016	20	70	0	10	21	18	3	0	9.2	23	20	3	0	20167250
234	S-254	520940	7002079	Meliadine	2016	20	75	0	5	328	91	92	145	12.9	254	71	71	112	20167250
235	S-255	521167	7001228	Meliadine	2016	20	70	0	10	162	38	44	80	12.8	127	30	34	63	20167250
236	S-256	521430	7000758	Meliadine	2016	20	70	0	10	168	38	58	72	14.5	116	26	40	50	20167250
237	S-257	521554	7000149	Meliadine	2016	20	70	0	10	91	13	34	44	13.4	68	10	25	33	20167250
238	S-258	520003	6999876	Meliadine	2016	20	80	0	Tr	139	36	40	63	10.5	132	34	38	60	20167250
239	S-259	519216	6999646	Meliadine	2016	20	75	0	5	30	21	6	3	10.6	28	20	6	3	20167250
240	S-260	519052	7001856	Meliadine	2016	30	65	0	5	57	7	20	30	7.1	80	10	28	42	20167250
241	S-261	518359	7000810	Meliadine	2016	20	25	50	5	40	28	8	4	8.5	47	33	9	5	20167250
242	S-262	518036	7000433	Meliadine	2016	30	70	0	Tr	5	5	0	0	6.2	8	8	0	0	20167250
243	S-263	517194	6999496	Meliadine	2016	20	70	0	10	19	7	7	5	6.3	30	11	11	8	20167250
244	S-264	517639	6999003	Meliadine	2016	20	80	0	Tr	21	12	3	6	7.3	29	16	4	8	20167250
245	S-265	518299	6998530	Meliadine	2016	10	90	0	Tr	7	5	2	0	7.1	10	7	3	0	20167250
246	S-266	518688	6997745	Meliadine	2016	5	95	0	Tr	69	26	21	22	7.4	93	35	28	30	20167250
247	S-267	517815	6997670	Meliadine	2016	20	80	0	Tr	5	4	1	0	6.3	8	6	2	0	20167250
248	S-268	518417	6997031	Meliadine	2016	Tr	100	0	Tr	127	41	40	46	6.2	205	66	65	74	20167250
249	S-269	518572	6999078	Meliadine	2016	5	90	0	5	46	17	9	20	7.5	61	23	12	27	20167250
250	S-270	519185	6998207	Meliadine	2016	10	85	0	5	71	39	16	16	8.7	82	45	18	18	20167250

APPENDIX III Plan and Drill sections, Peter Lake Property - 2012

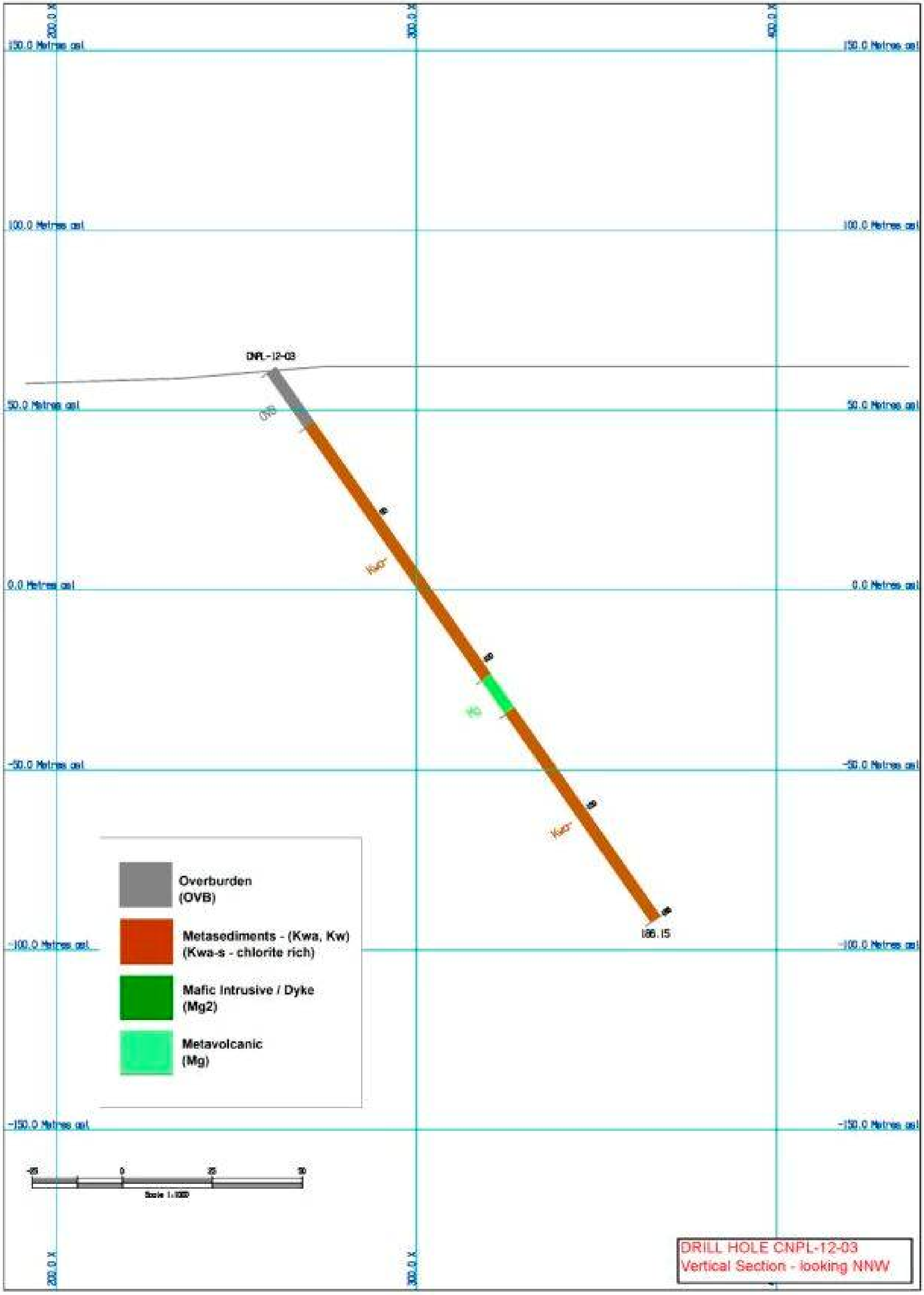


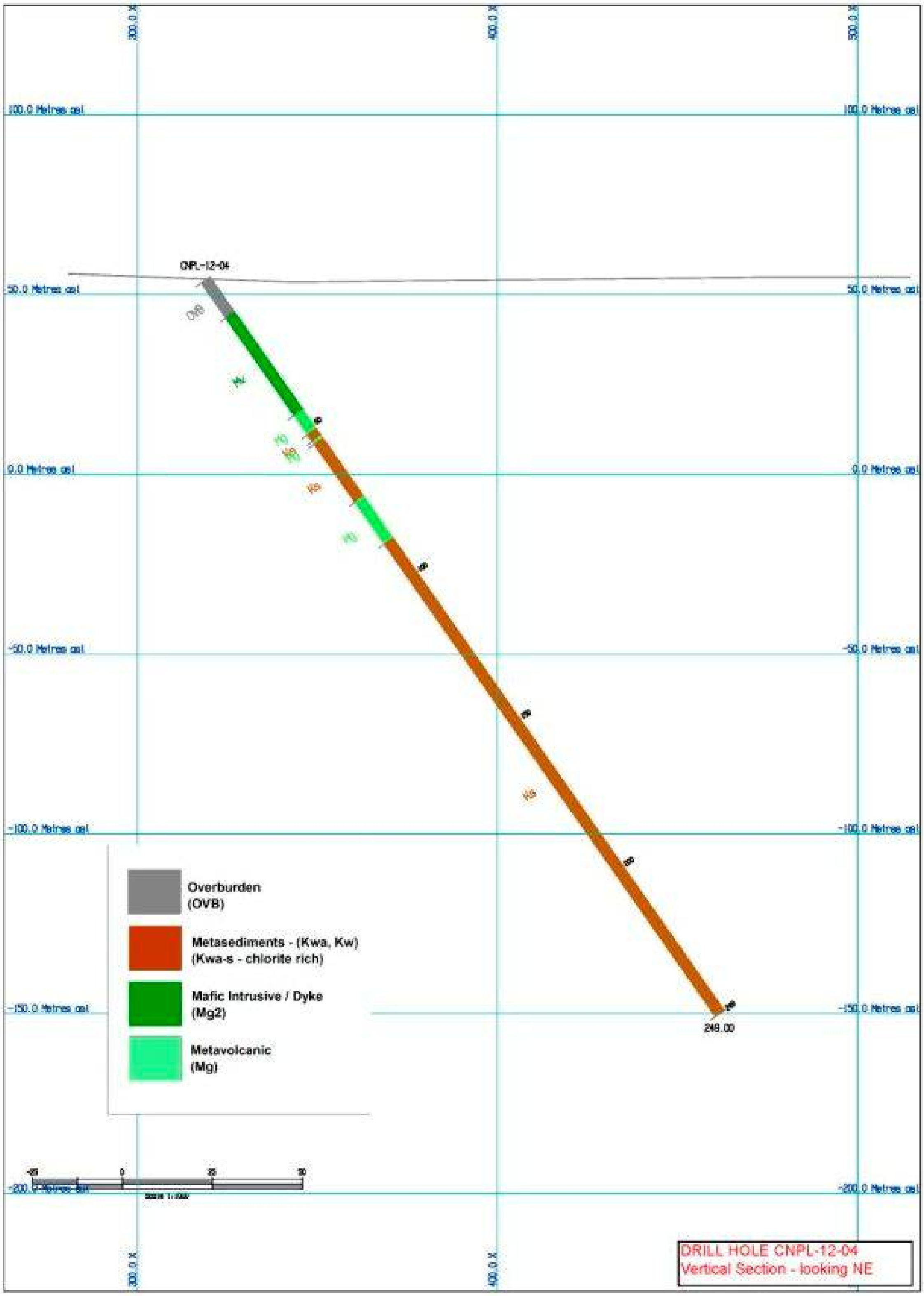
Collar_ID	UTM83_15_X	UTM83_15_Y	length	azi	dip
CNPL-12-01B	523,070	6,999,550	284	0	-65
CNPL-12-02	523,937	6,999,700	242	210	-55
CNPL-12-03	523,221	6,999,127	186.15	70	-55
CNPL-12-04	524,174	6,997,961	249	115	-55
CNPL-12-05	523,933	6,997,780	251	115	-55
CNPL-12-06	524,277	6,997,696	209	115	-55
CNPL-12-07	524,111	6,997,254	140	160	-50

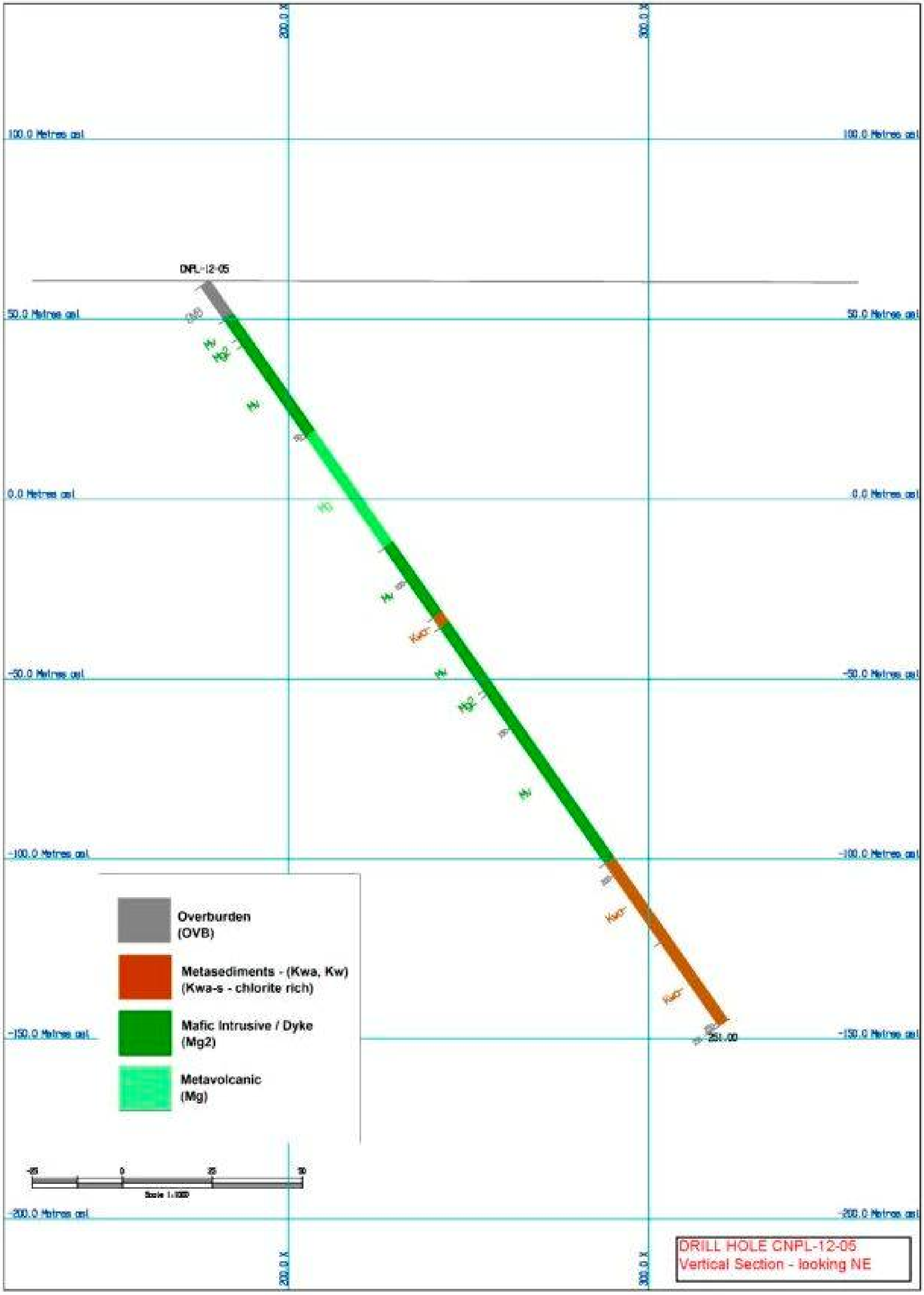

100.0 Metres asl
CNPL-12-01B
OVB
50.0 Metres asl
0.0 Metres asl
-50.0 Metres asl
-100.0 Metres asl
-150.0 Metres asl
-200.0 Metres asl
200.0 X
300.0 X
400.0 X
Kwa
Mg2
Mg
Overburden
(OVB)
Metasediments - (Kwa, Kw)
(Kwa-s - chlorite rich)
Mafic Intrusive / Dyke
(Mg2)
Metavolcanic
(Mg)
294.00
DRILL HOLE CNPL-12-01B
Vertical Section - looking west



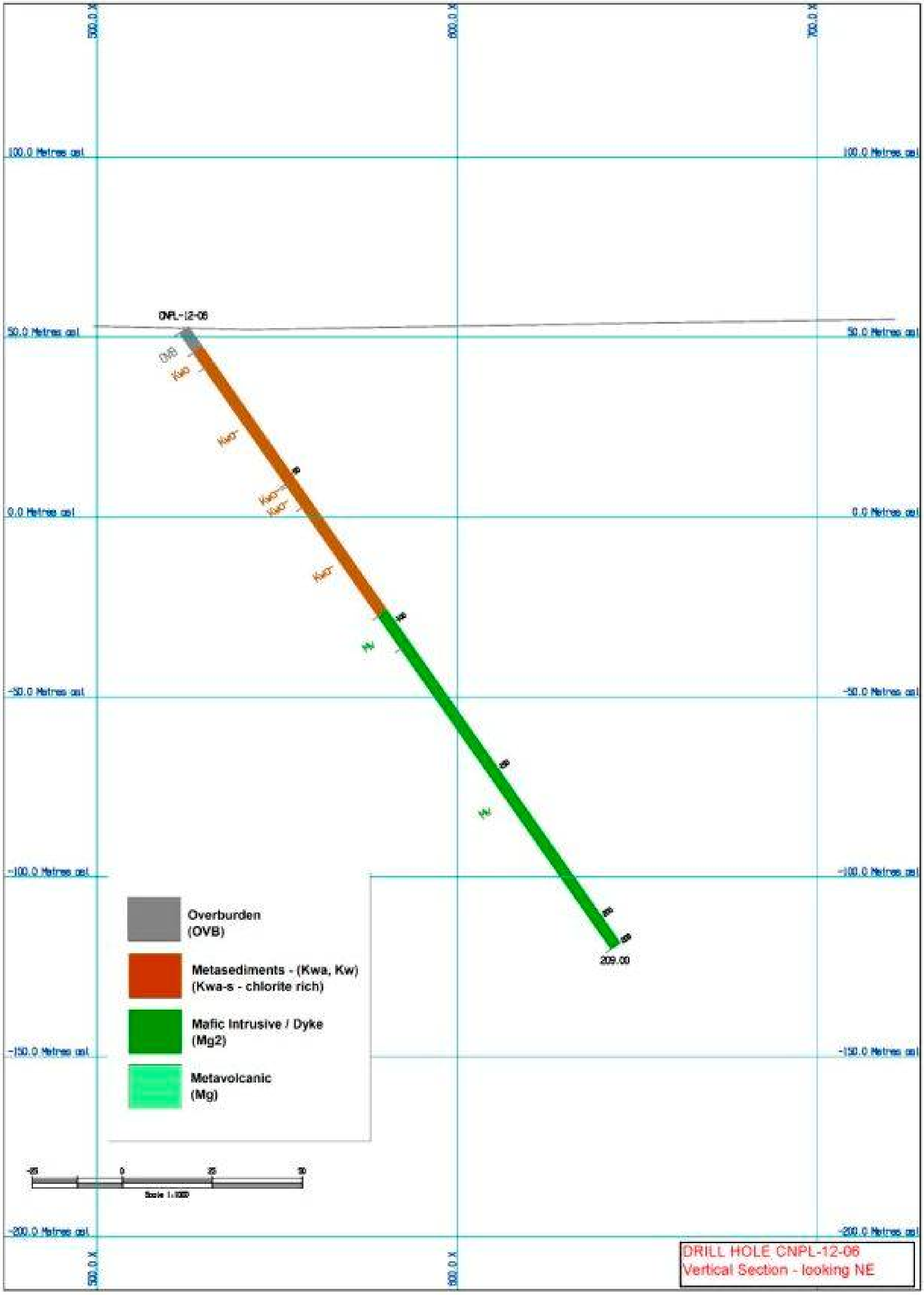
Overburden (OVB)
Metasediments - (Kwa, Kw) (Kwa-s - chlorite rich)
Mafic Intrusive / Dyke (Mg2)
Metavolcanic (Mg)
DRILL HOLE CNPL-12-02
Vertical Section - looking NW


200.0 X
300.0 X
400.0 X
150.0 Metres asl
100.0 Metres asl
50.0 Metres asl
0.0 Metres asl
-50.0 Metres asl
-100.0 Metres asl
-150.0 Metres asl
CNPL-12-03
OVB
186.15
Overburden
(OVB)
Metasediments - (Kwa, Kw)
(Kwa-s - chlorite rich)
Mafic Intrusive / Dyke
(Mg2)
Metavolcanic
(Mg)
DRILL HOLE CNPL-12-03
Vertical Section - looking NNW

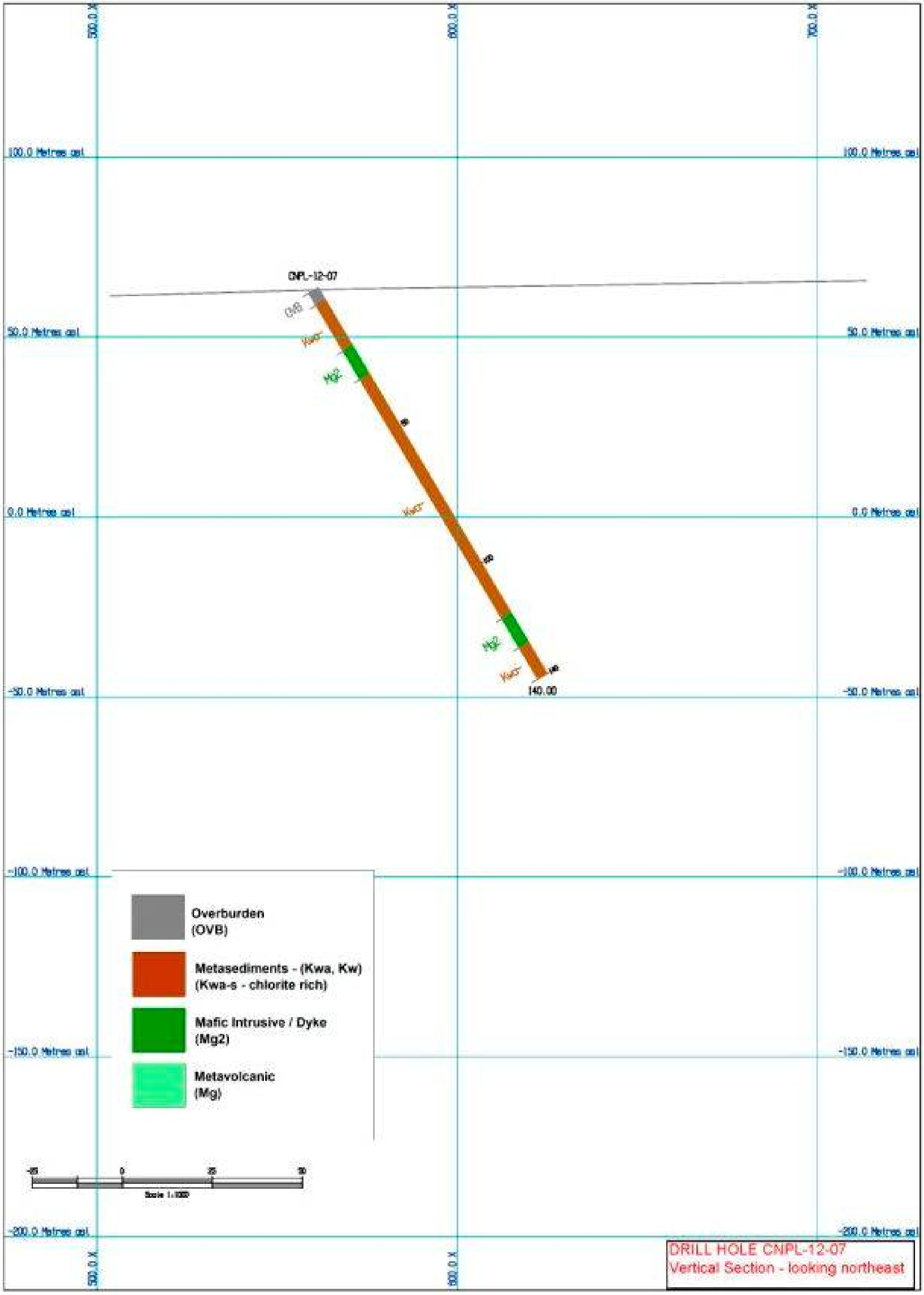

CNPL-12-04
100.0 Metres asl
50.0 Metres asl
0.0 Metres asl
-50.0 Metres asl
-100.0 Metres asl
-150.0 Metres asl
-200.0 Metres asl
300.0 X
400.0 X
500.0 X
OVB
249.00
Overburden
(OVB)
Metasediments - (Kwa, Kw)
(Kwa-s - chlorite rich)
Mafic Intrusive / Dyke
(Mg2)
Metavolcanic
(Mg)
-25
0
25
50
DRILL HOLE CNPL-12-04
Vertical Section - looking NE



200.0 X
300.0 X
100.0 Metres asl
50.0 Metres asl
0.0 Metres asl
-50.0 Metres asl
-100.0 Metres asl
-150.0 Metres asl
-200.0 Metres asl
Mv
Mg2
Mg
Kwa
251.00
Overburden
(OVB)
Metasediments - (Kwa, Kw)
(Kwa-s - chlorite rich)
Mafic Intrusive / Dyke
(Mg2)
Metavolcanic
(Mg)
-25
0
25
50
DRILL HOLE CNPL-12-05
Vertical Section - looking NE



500.0 X
600.0 X
700.0 X
100.0 Metres asl
50.0 Metres asl
0.0 Metres asl
-50.0 Metres asl
-100.0 Metres asl
-150.0 Metres asl
-200.0 Metres asl
OVB
209.00
Overburden
(OVB)
Metasediments - (Kwa, Kw)
(Kwa-s - chlorite rich)
Mafic Intrusive / Dyke
(Mg2)
Metavolcanic
(Mg)
DRILL HOLE CNPL-12-06
Vertical Section - looking NE



500.0 X
600.0 X
700.0 X
100.0 Metres asl
50.0 Metres asl
0.0 Metres asl
-50.0 Metres asl
-100.0 Metres asl
-150.0 Metres asl
-200.0 Metres asl
CNPL-12-07
OVB
Kwa
Mg2
140.00
Overburden (OVB)
Metasediments - (Kwa, Kw) (Kwa-s - chlorite rich)
Mafic Intrusive / Dyke (Mg2)
Metavolcanic (Mg)
-25
0
25
50
DRILL HOLE CNPL-12-07
Vertical Section - looking northeast