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2024 Work Assessment Report

Claim 852744

(Provincial Grid Cell 31M04F040)

Best Township

(Provincial Grid Group 31M04F)

Territorial District of Nipissing Ontario

Sudbury Mining Division

Prepared By:



Ed Shynkorenko
Cochrane, Ontario
(License M-25405 / MAAP 5932)

June 16, 2024

Forward:

This report builds upon what has been previously documented of the mineral potential on lands situated southwesterly of the former “Northland Pyrite Mine” and northwesterly of the “Cuniptau Silica Deposit” / “Danlou Gold Occurrence”. This general area of Best Township is known to host promising molybdenum, copper and nickel occurrences.

The subject property is comprised of mining claim 852744 situated in Best Township, Sudbury Mining Division. The subject property is also part of a contiguous block of 8 claims, all of which were acquired by the author, Ed Shynkorenko, in 2023 (Client # 194158).

The 2024 “grass roots” field work undertaken focused on further ascertaining the molybdenum-copper-nickel potential discovered during past drilling and trenching activities on a portion of the subject property lying immediately south of Granite Lake.

On May 12th 2024 the subject property was prospected by the author Ed Shynkorenko (License M-25405 / MAAP 5932), and fellow prospector Peter Hermeston (Lic.1003623 / MAAP No. 6559).

The field work detailed in this document, being hand sampling and mapping, accumulated a total of 2 man-days.

The report was prepared by Ed Shynkorenko. Stations quoted in this report, and shown on the work compilation plan, correspond to the assayed sample “tag” numbers. All required illustrations, tables, maps, sample location photographs and required receipts are contained separately within the Appendices of this document, and all Appendices have been submitted separately in pdf format.

Expenditure rates for work, transportation, etc., were derived from provincial government and industry standards.

As required by staff of the Geo-Assessment Unit, gas receipts for proof of travel have been included in this submission. However, only expenditures based on the current accepted rate of \$0.68 per kilometre are being claimed.

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Appendices *(submitted separately-electronically in pdf format)*

Appendix A	“Location Map / Key Map”
Appendix B	“Claim Map” <i>(includes a map of subject property and contiguous claims, title abstract for subject claim, and a list of said contiguous claims)</i>
Appendix C	“Access Map”
Appendix D	“Regional Geology Map” <i>(expandable)</i>
Appendix E	“Work Compilation Plan” <i>(expandable)</i>
Appendix F	“Sample Location Photographs” <i>(expandable)</i>
Appendix G	“Assay Results”
Appendix H	“Required Receipts & Expenditure Rate Rationales” <i>(proof of travel receipts and rationale for rates of labour, etc.)</i>
Appendix H-1	“Assay Receipt”

Introduction/History:

Since the early 1900's the lands within Best Township have been prospected for gold, silver, copper and other minerals.

Approximately 1.7 kilometres northeasterly of the subject property the "Northland Pyrite Mine" deposit was discovered in 1903, and records indicate that a 300-foot shaft was sunk, with levels developed at 100, 175, and 275 feet along with open cuts. The mine produced 76,067,050 pounds of ore during the years 1906 to 1911. Throughout the 1950's, 60's, and early 90's, several geophysical surveys and diamond drilling efforts occurred on the property. Tenure to the property eventually expired circa 2009.

Approximately 850 metres southeasterly of the subject property the "Cuniptau Silica Deposit", a rather high-grade deposit, supplied flux material to the "Cuniptau Mine" situated near Temagami Ontario. The "Danlou Gold Occurrence", which is located along the southern edge of the said silica enrichment zone, had been modestly drilled by Danlou Mines in the early 1960's with less than favorable results.

During the late 1960's to early 1970's C. Mortimer undertook trenching and drilling projects, partially on what is now the subject property. Mortimer's efforts confirmed high grades of molybdenum (molybdenite and powellite) at near surface depths.

From the second half of 1973 continuing to the mid-1990's the area was subject to the "Temagami Land Caution". With the lifting of the land caution the subject property and area was again staked. An online search of assessment reports filed for this general area over the decades revealed that since 1972 no recorded attempt toward further ascertaining the molybdenum potential of the actual subject property has been undertaken to date.

List of Illustrations:

All required maps, photos, tables and sketches referred to in this document are contained within the attached Appendices, all of which are submitted separately in pdf format.

Property Ownership, Description and Location:

The subject property is located approximately 13 kilometres north of Temagami, Ontario. The property is comprised of claim 852744, being part of 8 contiguous claims all situated in Best Township, Sudbury Mining Division. The subject property is currently held 100% by prospector Ed Shynkorenko (*see Appendix A "Location / Key Map" and Appendix B "Claim Map"*).*

*Appendix B includes a map of subject property and contiguous claims, title abstract for subject claim, and a list of said contiguous claims.

Access:

Access to the property is gained by traveling approximately 12 kilometres north of Temagami Ontario via Highway 11, then exiting west from Highway 11 onto the municipal “Cemetery Road” for roughly 510 metres until the said road intersects the TransCanada Pipeline corridor. Thence, 1.6 kilometres northward along the said corridor to the subject property. Access to the subject property is also gained via boat for approximately 1.5 kilometres across Granite Lake (see Appendix C “Access Map”).



“Northern portion of Subject Property is within Granite Lake”

Regional and Property Geology:

Situated within the Abitibi Greenstone Belt, the subject property geology is mainly comprised of massive to pillowed flows of mafic to intermediate metavolcanic rock intrusions. With regards to the township of Best generally, and as previously described, *“The bedrock exposed in the area is Precambrian in age. The Archean rocks consist of Keewatin volcanics, granitic rocks, mafic and ultramafic intrusive rocks, and Proterozoic rocks of Huronian Cobalt Group sediments and Keweenawan intrusive rocks”*, (Open File Report No. 5016, Thomson 1968).

With regards to mineralization found within portions of the now subject property, in his 1968 report Thomson had indicated that, *“The molybdenite occurs (1) in quartz veinlets up to an inch wide traversing Keewatin volcanics and altered mafic intrusive rocks; (2) as films about 1/40 inch thick and over about 3 square inches along slips in Keewatin volcanics and altered mafic intrusive rocks; (3) in red feldspathic veinlets accompanied by chalcopyrite and pyrite in minor amount. Axinite is present in one such veinlet on the west side of the gas pipeline about 130 feet due south of the northeast corner of claim T.31704. The feldspathic veinlets contain epidote and in places small amounts of white calcite. In some places the molybdenite is accompanied by powellite...”*.

Regional and Property Geology continued:

A significant portion of the subject property is covered by the waters of Granite Lake. Topography conditions are commonly shared amongst the outcrops noted. Elevations on the property range from 300 metres to 330 metres above sea level. Exposed outcrops are for the most part modestly sloped. On average soils consist of an organic “A” horizon covering coarse, loamy-sand, gravel and isolated pockets of clay. (*see Appendix D “Regional Geology Map”*).

The subject property is situated within a traditional Great Lakes St. Lawrence Forest setting. Forest cover includes cedar, black spruce, black ash, and tamarack in the lower areas changing to white spruce, white pine, red pine, balsam fir, trembling aspen, and white birch over the more elevated areas of the property. The property also contains a small portion of an unnamed lake which drains northward into Granite Lake, which in turn, drains into the Net Lake system.



“A now grown in trench established circa 1969”

Work Program:

Rationale:

The objective of the field activities reported in this particular document was to locate and sample a small previously charted circa 1969 trench. Also, to locate a previous drill site and exposed outcrops displaying mineralization in order to expand upon what is already known of the subject property’s mineral potential, in particular the molybdenum-copper-nickel components.

Daily Log:

On May 12th 2024, the subject property was prospected by Ed Shynkorenko and Peter Hermeston, working as a two-man team (*for age and health concerns*), a total of 1.3 kilometres (land portion) were traversed while on the property. The targeted shallow (1.4 metres width x 3.0 metres length x 0.5 metre average depth) historical trench was located and two rock samples (TE0224 & TE0324) taken. An additional sample (TE0124), was taken from a nearby rock outcrop of interest.

Daily Log continued....

Routes traversed and outcrops inspected were mapped and locations of the assayed sample locations were recorded in NAD 83 using a handheld Garmin E-Trex 10 GPS device (*see Appendix E "Work Compilation Plan"*). Assayed sample locations were also photographed using a digital camera with date coding, being a Fuji XP 140 model (*see Appendix F "Sample Location Photographs"*).

The assayed results of the samples taken are provided (*see Appendix G "Assay Results"*). Required receipts and expenditure rate rationales are provided as well (*see Appendix H "Required Receipts & Expenditure Rate Rationales"*).

For assay receipts (*see Appendix H-1 "Assay Receipt"*).

Conclusions:

The targeted trench was located. However, assay results from the two loose rock samples taken from within the said trench did not find a strong presence of molybdenum, copper or nickel.

The singular sample (TE0124). taken at the likely nearby location of the sought drill site did provide assay results of **P** at 870 ppm, along with **Ce** at 45 ppm, **La** at 22.4 ppm and **Y** at 9.66 ppm. Although these are low values for rare earth elements, the elevated presence of phosphorous brings the possibility of better results for such elements in future sampling efforts.

Recommendations:

A more comprehensive sampling program should be undertaken on the subject property, including an effort to hand strip sections of the mapped outcrops encountered so far. The now located targeted trench, which had provided high molybdenum results in the late 1960's, should be grubbed out and more samples taken. All future assayed samples should include testing for all rare earth elements.

Author Qualifications:

The author is an honour graduate of the Sault College of Applied Arts and Technology forestry program (1980), Sault Ste. Marie, Ontario, and was a longtime employee with the Ontario Ministry of Natural Resources. Throughout the past 43 years he has been exposed to numerous mining projects (Hemlo, Detour Lake, and Agrium). Prospecting remains his life-long hobby.

Communications (Direct & Indirect):

Peter Hermeston, fellow prospector, North Bay, Ontario.
Jason Jurynech, fellow prospector, Cochrane, Ontario.

References:

OGS Report 5439 “Industrial Minerals of Northern Ontario-Supplement 2” (Vos and Smith 1983).

“A Technical Report on the Granite-James Lake Property” (Chitaroni 1993), MNDM&F file 31M04NE0010 W94478.00016 Best.

“Geology Adjacent to Highway 11 in Best Township and the South Part of Gilles Limit Township Districts of Timiskaming and Nipissing” (Thomson 1968) Open File Report No. 5016.

“Drill Report No. 15, Best Township” (A. Hopkins & C. Mortimer 1972), File No. 31M04NE0048 15 Best.

“Precambrian Geology, Geological Compilation of the Cobalt-Temagami Area, Abitibi Greenstone Belt” Ontario Geological Map P.3581 (2006).

Geology Ontario “Historical Claim Maps” website (Best Twp.).

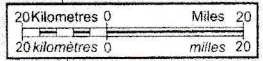
APPENDICES

(submitted separately-electronically in pdf format)

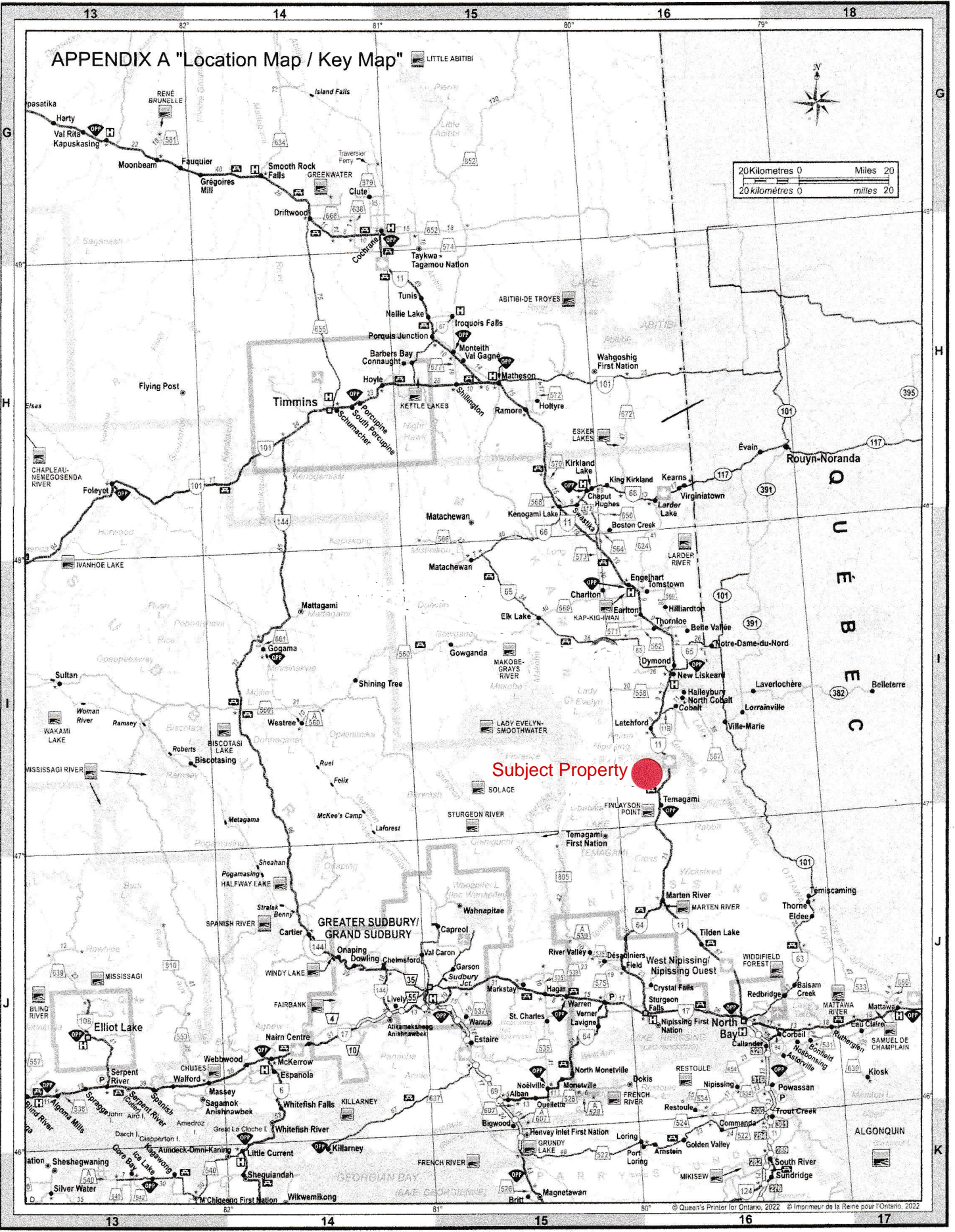
Appendix A	“Location Map / Key Map”
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APPENDIX A "Location Map / Key Map"

LITTLE ABITIBI



Subject Property





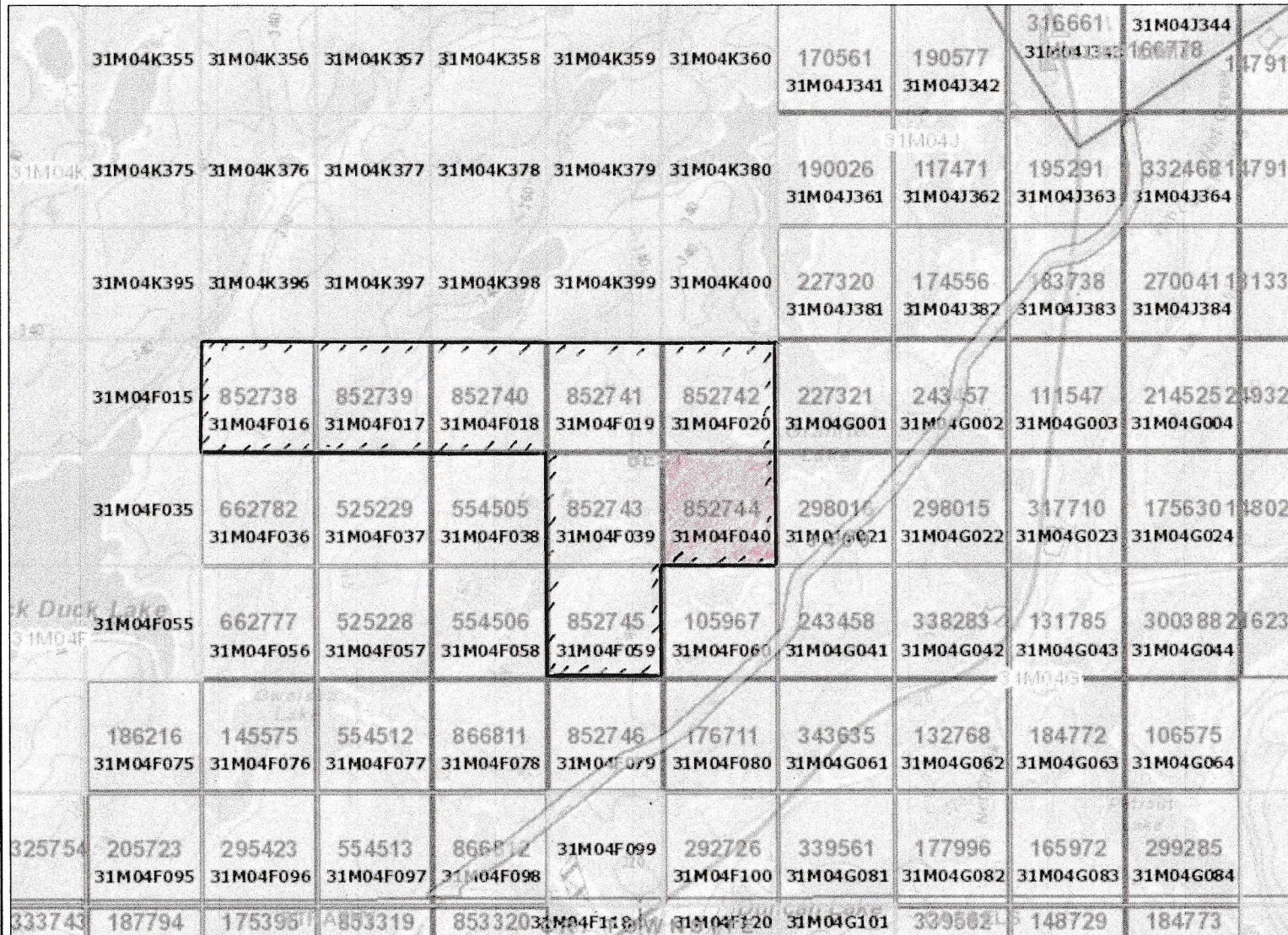
Ministry of Mines (MINES)

MLAS Map Viewer

APPENDIX "B"

Notes:

Subject Property
Contiguous Claims



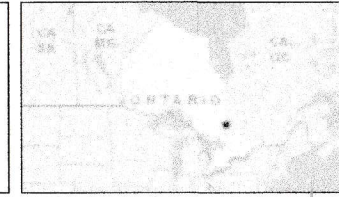
Legend

- Provincial Grid Cell**
 - Available
 - Pending
 - Unavailable
- Mining Claim**
 - Mining Claim
 - Boundary Claim
- Alienation**
 - Withdrawal
 - Notice
- MINES Administrative Boundaries**
 - MINES Townships and Areas
 - Geographic Lot Fabric
 - UTM Grid 1K
 - UTM Grid 10K
 - Mining Division
 - Mineral Exploration and Development Region
 - CLUPA Protected Area - Far North
 - Resident Geologist District
 - Federal Land Other
 - Native Reserves
- AMIS Sites**
 - AMIS Sites
 - AMIS Features
 - Drill Hole
 - Mineral Occurrences
- MLAS Mining History**
 - Withdrawal - History
 - Notice - History
 - Mining Claim - History
 - Mining Land Tenure - History
 - Legacy Claim
- Provincial Grid**
 - Provincial Grid 250K
 - Provincial Grid 50K
 - Provincial Grid Group
- Land Tenure**
 - Surface Rights
 - Mining Rights
 - Mining and Surface Rights
 - Order-in-Council

Those wishing to register mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Mines (MINES) for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources and Forestry. The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Mines (MINES) web site.



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Claim Abstract

852744

Status: Active

Cell Claim Type: Single Cell	Due Date: 14-Aug-2025	Total Reserve: 0
Special Status: N	Total Work: 0	Assessment Assmnt: 50000
Number of Cells: 1	Work Required: 400	Consultation Reserve: 0
Registration Date: 14-Aug-2023	Total Payment In Place: 0	Exploration Reserve: 0
Anniversary Date: 14-Aug-2025	Last Paid in Place Date:	
UTM Zone: 17	Mining Division: Sudbury	
MNR District: North Bay	Township Name: BEST	

Cell ID(s)	31M04F040
------------	-----------

Client Number	Recorded Holder(s)	Percent
194158	EDWARD SHYNKORENKO	100

Claim Abstract
852744
Status: Active

Event #	Recorded By	Event Description	Abstract Wording	Event Date
1726493	MLAS System internal	Mining claim acquisition notification handling	Confirmation of Registration Not Required	14-Aug-2023
1726489	EDWARD SHYNKOREN	Register a Mining Claim	Registered By EDWARD SHYNKORENKO (194158)	14-Aug-2023

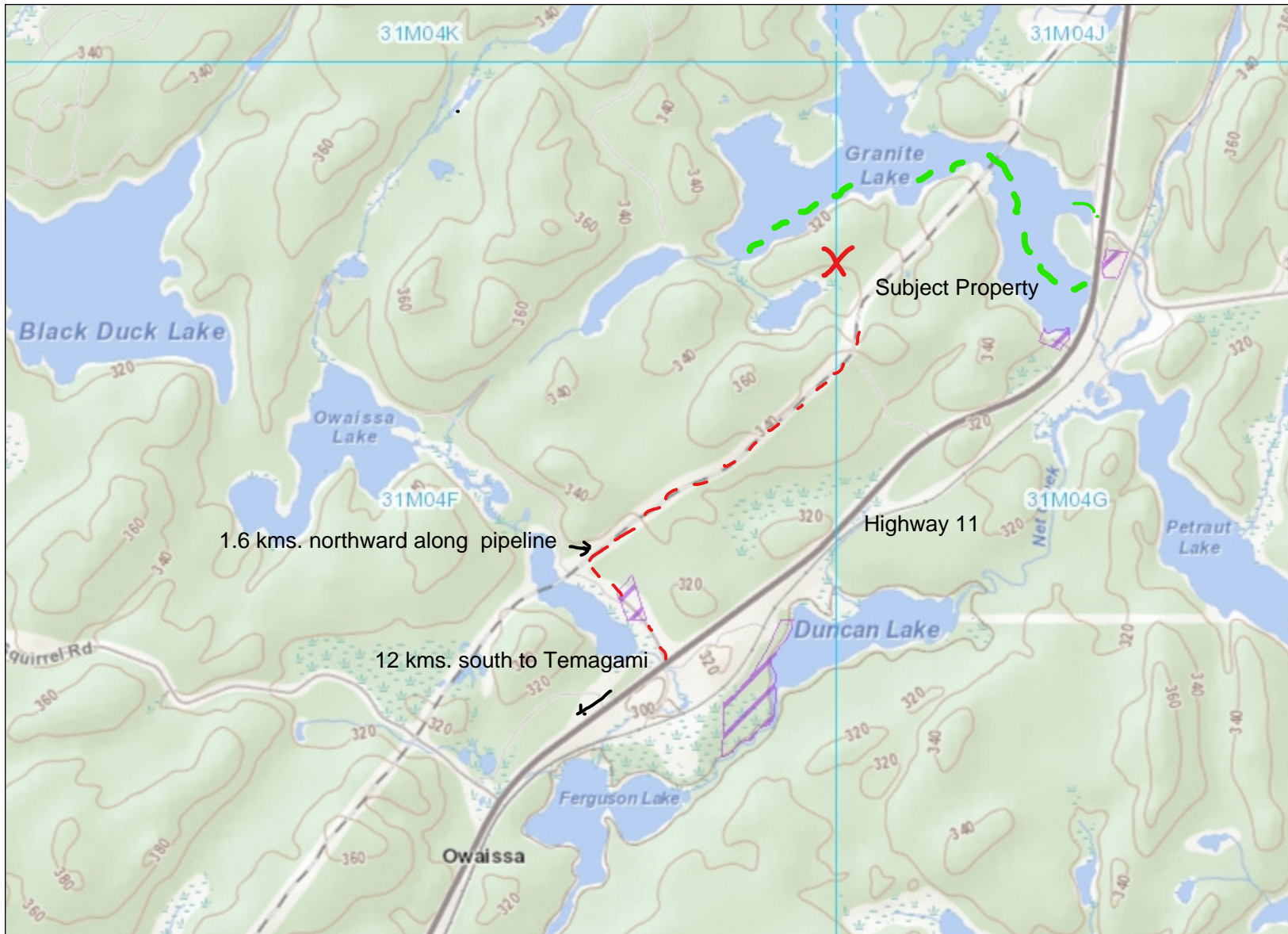
Reservations under the Mining Act may apply

Note: Status of Claim is based on information currently on record.

List of Contiguous Claims

852738, 852739, 852740, 852741, 852742, 852743, **852744*** 852745

***Subject Property Claim 852744**



Legend

- Provincial Grid Cell**
 - Available
 - Pending
 - Unavailable
- Mining Claim**
 - Mining Claim
 - Boundary Claim
- Alienation**
 - Withdrawal
 - Notice
- MINES Administrative Boundaries**
 - MINES Townships and Areas
 - Geographic Lot Fabric
 - UTM Grid 1K
 - UTM Grid 10K
 - Mining Division
 - Mineral Exploration and Development Region
 - CLUPA Protected Area - Far North
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 - AMIS Features
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 - Mineral Occurrences
- MLAS Mining History**
 - Withdrawal - History
 - Notice - History
 - Mining Claim - History
 - Mining Land Tenure - History
 - Legacy Claim
- Provincial Grid**
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 - Provincial Grid 50K
 - Provincial Grid Group
- Land Tenure**
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0 1.25 km

Projection: Web Mercator



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APPENDIX E

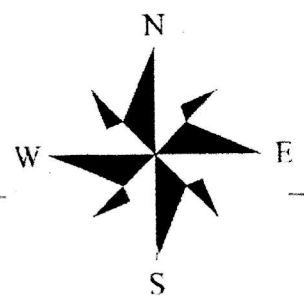
Work Compilation Plan

Claim 852744
(Prov. Grid Cell 31M04F040)

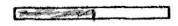
Best Township
District of Nipissing
Sudbury Mining Division

Provincial Grid Group
31M04F

Scale 1:3800
Zone 17 NAD83



0 38 76



Scale 1 cm. = 38m

Legend

Claim Boundary

Traverse Line & Date (May/24 >)

Rock Outcrop

Access Trail / Pipeline Corridor

Access via Water

Creek

Sample Location TE0124

Swamp

Claim Corner Loc. **594750E**
5223517N
(Est. by MLAS)

Existing Trench / Drill Loc.

852741

852742

852743

Granite Lake

852744
Grid Cell 31M04F040

NW Corner
594269E
5223973N

SW Corner
594276E
5223510N

SE Corner
594750E
5223517N

1.5 km to Hwy. 11 access point >

(< May 12/24 >)

(May 12/24 >)

Possible DDH Loc.

TE0124

TE0224

TE0324

historical trench

298016

105967

Un-named Lake

852745

Prepared by: Ed Shynkorenko

Date: JUNE 16th 2024

Sample No.	Sample Type	Coord. NAD 83
TE0124	Rock (in situ)	0594716E x 5223654N
TE0224	Rock (float)	0594745E x 5223651N
TE0324	Rock (float)	0594744E x 5223648N

9409 - Alienation of Public Lands
Associated with operations of
TransCanada Pipelines

9409

243458

APPENDIX F Sample Location Photographs



Sample Location TE0124
594716E x 5223654N
Zone 17 /NAD83



**Sample Location TE0224
594745E x 5223651N
Zone 17 /NAD83**



**Sample Location TE0324
594744E x 5223648N
Zone 17 /NAD83**



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To: EDWARD SHYNKORENKO

Page: 1
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 1-JUN-2024
 This copy reported on 3-JUN-2024
 Account: SHYNEDW

CERTIFICATE TM24136513

This report is for 3 samples of Rock submitted to our lab in Timmins, ON, Canada on 23-MAY-2024.
 The following have access to data associated with this certificate:
 EDWARD SHYNKORENKO

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS41	Ultra Trace Aqua Regia ICP-MS	

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
 ***** See Appendix Page for comments regarding this certificate *****

Signature: 
 Saa Traxler, Director, North Vancouver Operations



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Page: 2 - A
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 1-JUN-2024
 Account: SHYNEDW

CERTIFICATE OF ANALYSIS TM24136513

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm	ME-MS41 Cs ppm
		0.02	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
TE0124		0.42	0.06	2.54	1.2	<0.02	<10	140	0.46	0.53	1.09	0.06	45.0	17.0	98	0.63
TE0224		0.67	0.07	0.28	0.8	<0.02	<10	60	0.14	0.56	0.07	0.01	11.80	1.7	7	0.33
TE0324		1.79	0.01	0.36	0.4	<0.02	<10	30	0.08	0.12	0.07	0.01	35.1	1.8	29	0.21

***** See Appendix Page for comments regarding this certificate *****



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Page: 2 - B
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 Account: SHYNEDW

CERTIFICATE OF ANALYSIS TM24136513

Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
		ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
		0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
TE0124		44.5	4.32	8.05	0.09	0.45	0.01	0.013	0.16	22.4	33.9	1.79	920	1.29	0.04	0.37
TE0224		5.7	0.80	1.12	<0.05	0.19	<0.01	0.009	0.19	5.5	2.9	0.05	73	0.58	0.05	0.77
TE0324		4.8	0.68	1.28	<0.05	0.11	<0.01	<0.005	0.11	17.2	4.0	0.19	47	0.26	0.04	0.28

***** See Appendix Page for comments regarding this certificate *****



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Page: 2 - C
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 Finalized Date: 1-JUN-2024
 Account: SHYNEDW

CERTIFICATE OF ANALYSIS TM24136513

Sample Description	Method Analyte Units LOD	ME-MS41 Ni ppm 0.2	ME-MS41 P ppm 10	ME-MS41 Pb ppm 0.2	ME-MS41 Rb ppm 0.1	ME-MS41 Re ppm 0.001	ME-MS41 S % 0.01	ME-MS41 Sb ppm 0.05	ME-MS41 Sc ppm 0.1	ME-MS41 Se ppm 0.2	ME-MS41 Sn ppm 0.2	ME-MS41 Sr ppm 0.2	ME-MS41 Ta ppm 0.01	ME-MS41 Te ppm 0.01	ME-MS41 Th ppm 0.2	ME-MS41 Ti % 0.005
TE0124		56.3	870	11.7	10.6	0.001	0.07	0.27	4.4	0.2	0.5	21.8	0.01	0.02	6.0	0.193
TE0224		1.3	120	2.3	9.6	<0.001	0.09	<0.05	0.7	0.2	0.6	2.9	<0.01	0.12	4.8	0.015
TE0324		7.0	70	1.5	4.6	<0.001	<0.01	<0.05	0.7	0.2	<0.2	4.0	<0.01	<0.01	4.4	0.041

***** See Appendix Page for comments regarding this certificate *****



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CERTIFICATE OF ANALYSIS TM24136513

Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Tl	U	V	W	Y	Zn	Zr
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.05	1	0.05	0.05	2	0.5
TE0124		0.06	2.13	44	0.29	9.66	91	15.1
TE0224		0.05	0.99	2	0.20	7.61	10	4.4
TE0324		0.02	0.41	6	<0.05	4.60	9	3.5

***** See Appendix Page for comments regarding this certificate *****



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CERTIFICATE OF ANALYSIS TM24136513

	CERTIFICATE COMMENTS
Applies to Method:	<p style="text-align: center;">ANALYTICAL COMMENTS</p> <p>Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). ME-MS4</p> <p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Applies to Method: ME-MS4</p> <p>Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada. Applies to Method: CRU-31 CRU-QC LOG-22 PUL-31 PUL-QC SPL-21 WEI-21</p>



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QC CERTIFICATE TM24136513

This report is for 3 samples of Rock submitted to our lab in Timmins, ON, Canada on 23-MAY-2024.

The following have access to data associated with this certificate:

EDWARD SHYNKORENKO

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS41	Ultra Trace Aqua Regia ICP-MS	

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, Director, North Vancouver Operations



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QC CERTIFICATE OF ANALYSIS TM24136513

Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05	0.2
STANDARDS																
MRCA-21		8.06	2.04	17.4	0.12	10	630	1.61	1.42	0.45	2.06	56.1	29.2	52	9.37	937
Target Range - Lower Bound		7.63	1.88	17.2	0.08	<10	570	1.45	1.39	0.40	1.87	53.1	28.0	47	9.13	886
Upper Bound		9.35	2.32	21.2	0.17	20	790	1.89	1.73	0.51	2.31	64.9	34.4	59	11.25	1020
OREAS 232b		0.10	2.62	454	0.86	<10	110	1.18	0.28	0.33	0.03	50.8	14.3	108	6.38	24.5
Target Range - Lower Bound		0.08	2.44	409	<0.02		90	1.08	0.26	0.29	0.02	46.8	13.8	97	6.09	23.4
Upper Bound		0.13	3.00	501	0.04		150	1.44	0.34	0.38	0.07	57.2	17.0	121	7.48	27.4
BLANKS																
BLANK		<0.01	<0.01	<0.1	<0.02	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
Target Range - Lower Bound		<0.01	<0.01	<0.1	<0.02	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
Upper Bound		0.02	0.02	0.2	0.04	20	20	0.10	0.02	0.02	0.02	0.04	0.2	2	0.10	0.4
DUPLICATES																
ORIGINAL		0.24	2.70	<0.1	0.02	<10	10	<0.05	1.10	0.35	0.12	12.40	40.6	74	0.44	411
DUP		0.25	2.72	0.1	0.02	<10	10	<0.05	1.16	0.35	0.12	13.05	41.5	74	0.46	420
Target Range - Lower Bound		0.22	2.56	<0.1	<0.02	<10	<10	<0.05	1.06	0.32	0.10	12.05	38.9	69	0.38	401
Upper Bound		0.27	2.86	0.2	0.04	20	20	0.10	1.20	0.38	0.14	13.40	43.2	79	0.52	430

***** See Appendix Page for comments regarding this certificate *****



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QC CERTIFICATE OF ANALYSIS TM24136513

Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm
		0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05	0.2
STANDARDS																
MRCA-21		3.22	9.43	0.13	0.28	0.06	0.114	1.01	31.9	48.4	0.69	7810	22.4	0.14	0.67	939
Target Range - Lower Bound		2.94	9.13	<0.05	0.25	0.04	0.103	0.90	29.7	42.4	0.62	7320	21.3	0.13	0.64	847
Upper Bound		3.62	11.25	0.26	0.36	0.10	0.137	1.12	36.7	52.0	0.78	8960	26.1	0.18	1.01	1035
OREAS 232b		3.28	7.68	0.10	0.46	<0.01	0.030	0.89	25.2	40.1	1.29	285	0.87	0.09	0.32	57.1
Target Range - Lower Bound		2.96	7.67	<0.05	0.43		0.022	0.77	22.8	37.3	1.19	265	0.79	0.08	0.22	52.9
Upper Bound		3.64	9.49	0.23	0.57		0.046	0.97	28.3	45.8	1.47	335	1.09	0.13	0.50	65.1
BLANKS																
BLANK		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05	<0.2
Target Range - Lower Bound		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05	<0.2
Upper Bound		0.02	0.10	0.10	0.04	0.02	0.010	0.02	0.4	0.2	0.02	10	0.10	0.02	0.10	0.4
DUPLICATES																
ORIGINAL		5.51	11.50	0.11	0.11	<0.01	0.050	0.04	5.5	15.7	2.19	267	3.40	0.07	0.08	61.8
DUP		5.57	11.50	0.11	0.10	<0.01	0.050	0.04	5.8	15.6	2.21	263	3.53	0.07	0.08	62.9
Target Range - Lower Bound		5.25	10.90	<0.05	0.08	<0.01	0.043	0.03	5.2	14.8	2.08	247	3.24	0.06	<0.05	59.0
Upper Bound		5.83	12.15	0.17	0.13	0.02	0.058	0.05	6.1	16.5	2.32	283	3.69	0.08	0.10	65.7



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QC CERTIFICATE OF ANALYSIS TM24136513

Sample Description	Method Analyte Units LOD	ME-MS41 P ppm	ME-MS41 Pb ppm	ME-MS41 Rb ppm	ME-MS41 Re ppm	ME-MS41 S %	ME-MS41 Sb ppm	ME-MS41 Sc ppm	ME-MS41 Se ppm	ME-MS41 Sn ppm	ME-MS41 Sr ppm	ME-MS41 Ta ppm	ME-MS41 Te ppm	ME-MS41 Th ppm	ME-MS41 Tl %	ME-MS41 Tl ppm
		10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005	0.02
		STANDARDS														
MRCA-21		640	864	102.0	0.011	0.43	21.2	8.4	1.0	3.6	35.3	0.01	0.10	6.2	0.281	0.76
Target Range - Lower Bound		570	796	98.0	0.009	0.38	19.25	7.6	0.6	3.1	33.6	<0.01	0.09	6.2	0.249	0.69
Upper Bound		710	974	120.0	0.015	0.48	26.2	9.5	1.5	4.3	41.6	0.03	0.15	8.0	0.315	0.97
OREAS 232b		590	8.0	79.0	<0.001	0.18	160.5	6.8	<0.2	1.6	27.8	<0.01	0.01	10.4	0.169	0.46
Target Range - Lower Bound		520	7.6	75.5		0.15	120.0	6.0		1.1	25.9			10.2	0.144	0.40
Upper Bound		660	9.7	92.5		0.21	162.0	7.5		2.1	32.1			13.0	0.188	0.58
		BLANKS														
BLANK		<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
Target Range - Lower Bound		<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
Upper Bound		20	0.4	0.2	0.002	0.02	0.10	0.2	0.4	0.4	0.4	0.02	0.02	0.4	0.010	0.04
		DUPLICATES														
ORIGINAL		230	2.7	1.6	0.009	0.88	<0.05	3.2	4.5	0.2	7.7	<0.01	2.51	1.6	0.059	0.03
DUP		240	2.5	1.6	0.010	0.90	<0.05	3.3	4.7	0.2	8.0	<0.01	2.70	1.7	0.059	0.03
Target Range - Lower Bound		210	2.3	1.4	0.008	0.84	<0.05	3.0	4.2	<0.2	7.3	<0.01	2.46	1.4	0.051	<0.02
Upper Bound		260	2.9	1.8	0.011	0.94	0.10	3.5	5.0	0.4	8.4	0.02	2.75	1.9	0.067	0.04



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QC CERTIFICATE OF ANALYSIS TM24136513

Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.05	1	0.05	0.05	2	0.5
STANDARDS							
MRCA-21		3.26	61	6.71	11.75	804	6.7
Target Range - Lower Bound		3.16	56	5.72	11.10	727	5.9
Upper Bound		3.98	70	7.86	13.70	893	9.4
OREAS 232b		1.28	65	0.37	8.12	80	16.8
Target Range - Lower Bound		1.21	59	0.21	7.91	71	16.5
Upper Bound		1.59	75	0.47	9.77	91	23.5
BLANKS							
BLANK		<0.05	<1	<0.05	<0.05	<2	<0.5
Target Range - Lower Bound		<0.05	<1	<0.05	<0.05	<2	<0.5
Upper Bound		0.10	2	0.10	0.10	4	1.0
DUPLICATES							
ORIGINAL		0.20	39	0.08	1.46	189	4.2
DUP		0.21	40	0.08	1.46	188	4.1
Target Range - Lower Bound		0.14	37	<0.05	1.34	177	3.3
Upper Bound		0.27	42	0.10	1.58	200	5.0

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QC CERTIFICATE OF ANALYSIS TM24136513

CERTIFICATE COMMENTS									
	ANALYTICAL COMMENTS								
Applies to Method:	Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). ME-MS41								
	LABORATORY ADDRESSES								
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. ME-MS41								
Applies to Method:	Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.								
	<table border="0"> <tr> <td>CRU-31</td> <td>CRU-QC</td> <td>LOG-22</td> <td>PUL-31</td> </tr> <tr> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-22	PUL-31	PUL-QC	SPL-21	WEI-21	
CRU-31	CRU-QC	LOG-22	PUL-31						
PUL-QC	SPL-21	WEI-21							