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Keyed To : Technical Standards for Reporting Assessment Work Under the Provisions of the Mining Act, R.S.O. 1990, July 5, 2018

2. BEDROCK TRENCHING, BEDROCK PITTING, OVERBURDEN STRIPPING AND RELATED MANUAL WORK

2.(i)

South Break Project

Claims 312375, 343853, 134888, 199600, 275061, 291641, 216065 and 214064

formerly known as

Claims L4217525, L4217526, L4217527

Eby & Otto Townships

NTS - 42 A/1

80°08'57"W 48°05'46"N

0563340E 5327400N

NAD 83 Datum Zone 17u

February 14, 2020

E. Marion

2. BEDROCK TRENCHING, BEDROCK PITTING, OVERBURDEN STRIPPING AND RELATED MANUAL WORK

A technical report in respect of bedrock trenching, bedrock pitting, overburden stripping and related manual work including outcrop mapping, outcrop washing and brushing and sampling associated with this work such as channel sampling and plugger sampling, shall:

2.(i) contain a title page, with the name of the technical report, the property name, the date of completion of the report, and clearly identifying the author(s);

2.(ii) give the names of the persons who performed the work;

2.(iii) identify the mining lands on which the work was performed, using the Township name, the cell number(s) on the Provincial Grid, as well as the claim numbers, lease numbers, Licences of Occupation numbers or Patent numbers, and identify the ownership of the land;

2.(iv) identify the means of access to the land from the nearest population centre;

2.(v) state the purpose for which the work was performed;

2.(vi) contain a key map showing the land worked in relation to identifiable topographic features and township boundaries or established grid lines, stations or markers;

2.(vii) provide a daily log describing in detail the nature and content of the work and the observations made during the performance of the work, the nature of rocks and mineralization exposed, as well as the type of equipment used, the dates and hours of use of the equipment, the dates and hours worked by the equipment operator and the hourly rates for equipment use and for the operator;

2.(viii) provide the number of any applicable exploration permit issued or exploration plan filed pursuant to O. Reg 308/12;

2.(ix) describe the dimensions of the work areas and the total area and volume of material stripped, and/or pitted, and/or trenched;

2.(x) summarize the number of samples collected, and the number of samples analysed;

2.(xi) provide a description and GPS location of all samples collected;

2.(xii) include all assays and analyses with their corresponding certificates;

2.(xiii) provide a legend of all symbols or abbreviations used in the technical report;

2.(xiv) include a map at a scale between 1:100 and 1:5,000 showing,

- **a. the location of trenches, pits, and stripped areas, in relation to the land disposition boundaries;**
- **b. lakes, streams and other notable topographic features, and railways, roads, trails, power lines, pipelines and buildings;**
- **c. Provincial Grid cell boundary lines, claim boundary lines, township boundary lines, base lines, established grid lines, if any, and grid stations;**
- **d. the cell number(s) on the Provincial Grid, the mining claim, leases, patent or parcel numbers of all mining lands on which the bedrock trenching, bedrock pitting, overburden stripping and related manual work was performed;**
- **e. a graphic or bar scale and the north direction;**

2.(xv) include a detailed map of each of the trenches, pits, and/or stripped areas at a scale between 1:10 and 1:500,

- **a. showing the dimensions of the trenches, pits, or stripped areas and of overburden storage areas, and clearly identifying areas previously worked, if applicable, and new surface stripping, bedrock trenching and known rock outcrops;**
- **b. showing the nature of the rocks and mineralization exposed during the performance of the work;**
- **c. clearly identifying the location of each sample by number, letter or grid coordinate designation;**
- **d. showing a graphic or bar scale and the north direction; and**
- **e. showing a descriptive list of all symbols used; and**

2.(xvi) include photographs of each of the trenched, pitted, and/or stripped areas, including a GPS receiver screen photograph with legible coordinates, and captioned with the trench, pit or stripped area identifier.

Ontario MINISTRY OF NORTHERN DEVELOPMENT AND MINES
MLAS Map Viewer

Key Map

Notes:



Legend

- Provincial Grid Cell
  - Available
  - Pending
  - Unavailable
- Mining Claim
- Mining Lease
  - Surface Rights Only
  - Mining Rights Only
  - Surface and Mining Rights
- Mining Licence of Occupation
  - Surface Rights Only
  - Mining Rights Only
  - Surface and Mining Rights
- Mining Patent
  - Surface Rights Only
  - Mining Rights Only
  - Surface and Mining Rights
- Mining Division
- MNDM Townships and Areas
- Provincial Grid Group
- Non-Mining Land Tenure
  - Patent, Surface Rights Only
  - Patent, Mining Rights Only
  - Patent, Surface and Mining Rights
  - Lease, Surface Rights Only
  - Lease, Mining Rights Only
  - Lease, Surface and Mining Rights
  - Water Power Lease Agreement
  - Licence of Occupation, Surface Rights Only
  - Licence of Occupation, Surface and Mining Rights
  - Order-in-Council
- Alienation
  - Withdrawal
  - Notice
- UTM Grid Labels 1K
- UTM Grid 1K
- Indian Reserve
- Federal Land Other
- CLUPA Protected Area - Far North



2.(ii) WORKERS

The work was performed by E. Marion and L. Despres

2. (iii) CLAIMS

The project area consists of 3 former ground staked mining claim units in Temiskaming District, in the subdivided Townships of Eby and Otto, recorded on Plan M-0345 of Eby Township and Plan M-379 of Otto Township. The descriptions of the aloquoit parts claimed are as follows:

CL#4217525--Lot 12, Con. 6, SW¼ of N½ Otto Twp ~14ha
CL#4217526--Lot 1 Con. 6, SE¼ of N½ Eby Twp ~16ha
CL#4217527--Lot 1 Con. 6, SW¼ of N½ Eby Twp ~16ha

New MLAS designations and approximate land descriptions* are now as follows:

CL#312375-- pt. Lot 1 Con.6 SW¼ of N½ Eby Twp part utm cell # 42A01G336

CL#343853-- pt. Lot 1 Con.6 SW¼ of N½ Eby Twp
+ pt. Lot 1 Con.6 SE¼ of N½ Eby Twp part utm cell # 42A01G337

CL#134888-- pt. Lot 1 Con.6 SE¼ of N½ Eby Twp
+ pt. Lot 12 Con.6 SW¼ of N½ Otto Twp part utm cell # 42A01G338

CL#199600-- pt. Lot 12 Con.6 SW¼ of N½ Otto Twp part utm Cell # 42A01G339

CL#275061-- pt. Lot 1 Con.6 SW¼ of N½ Eby Twp part utm cell # 42A01G356

CL#291641-- pt. Lot 1 Con.6 SW¼ of N½ Eby Twp
+ pt. Lot 1 Con.6 SE¼ of N½ Eby Twp part utm cell # 42A01G357

CL#216065-- pt. Lot 1 Con.6 SE¼ of N½ Eby Twp
+ pt. Lot 12 Con.6 SW¼ of N½ Otto Twp part utm cell # 42A01G358

CL#214064-- pt. Lot 12 Con.6 SW¼ of N½ Otto Twp part utm cell # 42A01G359

This particular work program was performed on that part of the SW¼ of the N½ of Lot 12 Concession 6 Otto Twp registered 100% to Eric Marion, now identified with tenure I.D. 216064, being a piece of utm cell # 42A01G359

**It is important to note that the surface rights surrounding the project area are defined by the aloquoit units of the subdivided townships and existing land survey. The online cell geospatial data depicting location and extent of the local patents and leases conflicts with the abundant pre-existing land survey evidence. To avoid trespass as well as performance of work on someone elses land great care must be taken to ensure the real locations are field defined by referencing the survey rather than depictions provided on the MLAS system.*

2.(iv) ACCESS

Heading west south west on Hwy.#66 from the railway underpass in Swastika for 4.4 kilometers will bring you to the area where Hwy 66 goes across the north west corner of L4217527. 800M east of this point, the Eby-Otto Twp line is cut out and provides walking access to the claims at that area.

2.(v) TARGET

The work was performed to assess the mineral potential of the selected location by stripping, cleaning and brushing thereby exposing the underlying bedrock.

2.(vii) WORK PERFORMED

On September 20, 23, 27, 30 and Oct 3, 6, 2019, manual stripping and outcrop cleaning was performed with sandvik, axe, shovels, swede pick, pry bar, water pail and brushes centered at a location on the local cut grid coordinates 2+40E 2+80S. GPS coordinates are about 0563784E and 5327387N(NAD83 Zone 17u). The work was done intermittantly during the hauling of portable drill equipment by hand to a site proximal to the stripped area. The brush and balsam sapling cover was firstly hand cut into managable pieces and piled off the work area out of the way. Then the organics, sand and gravel were cleared and piled somewhat individually adjacent to the stripped area, leaving enough room to work freely around the site. It is planned to further expand the stripping and undertake sampling.

The prominant feature is a sheared and deformed zone about 1.5 meter wide cutting the exposed area at about 090°astronomic**.** Platey shearing and foliation with streaks of bright emerald green fuchsite occur throughout lending an almost waxy appearance, with random minor yellowish mineral probably sericite. Bending is visible with waxy appearing fuchsite coatins on exposed contacts and slickensides(?) with pyrite in sprays and disseminations throughout. The pyrite observed is of fine grains of about 1/10mm to 1/5mm in dissiminations up to 10%, with coarser more cubic appearing grains of 0.5mm to 1mm size and aggregates up to 4 or 5mm in size. Some of the coarser grains have a more brassy color.

The outcrop exposed is previously mapped as flow to framental mafic volcanic rock, probably of theoliitic origin. All rock was moderately to highly carbonarte altered with much emerald green fuchsite apparent on fractures and within the matrix of the rock. Silica and albitic? alteration shows as breccia filling, flooding as well as cross-cutting veinlets up to 3 cm throughout the exposed area.

2.(viii)

No plan or permit is required for the submitted activities.

2.(ix)

In total about approximately 25 square meters section of outcrop in a cleared area about 7 meters long by about 6 meters wide at its greatest dimensions were stripped, trenched, exposed and cleaned by hand. The depth ran from 12cm to 15cm of organic material laying on bedrock in spots, and up to about 20 cm deep where sand and till were deeper with an average proposed depth of about 15cm of organics and sand/till combined. Using these estimates, approximately $3m^3$ to $3.5m^3$ of organic material, sand and sandy till were manually cleared.

2.(x)

No samples submitted for analysis.

2.(xi)

N/A

2.(xii)

N/A

2.(xiii)

Symbols or abbreviations may used in the text are as follows:

HCL - hydrochloric acid (usu. 7.5%)
N A - on maps - north astronomical
ppb - parts per billion
ppm - parts per million

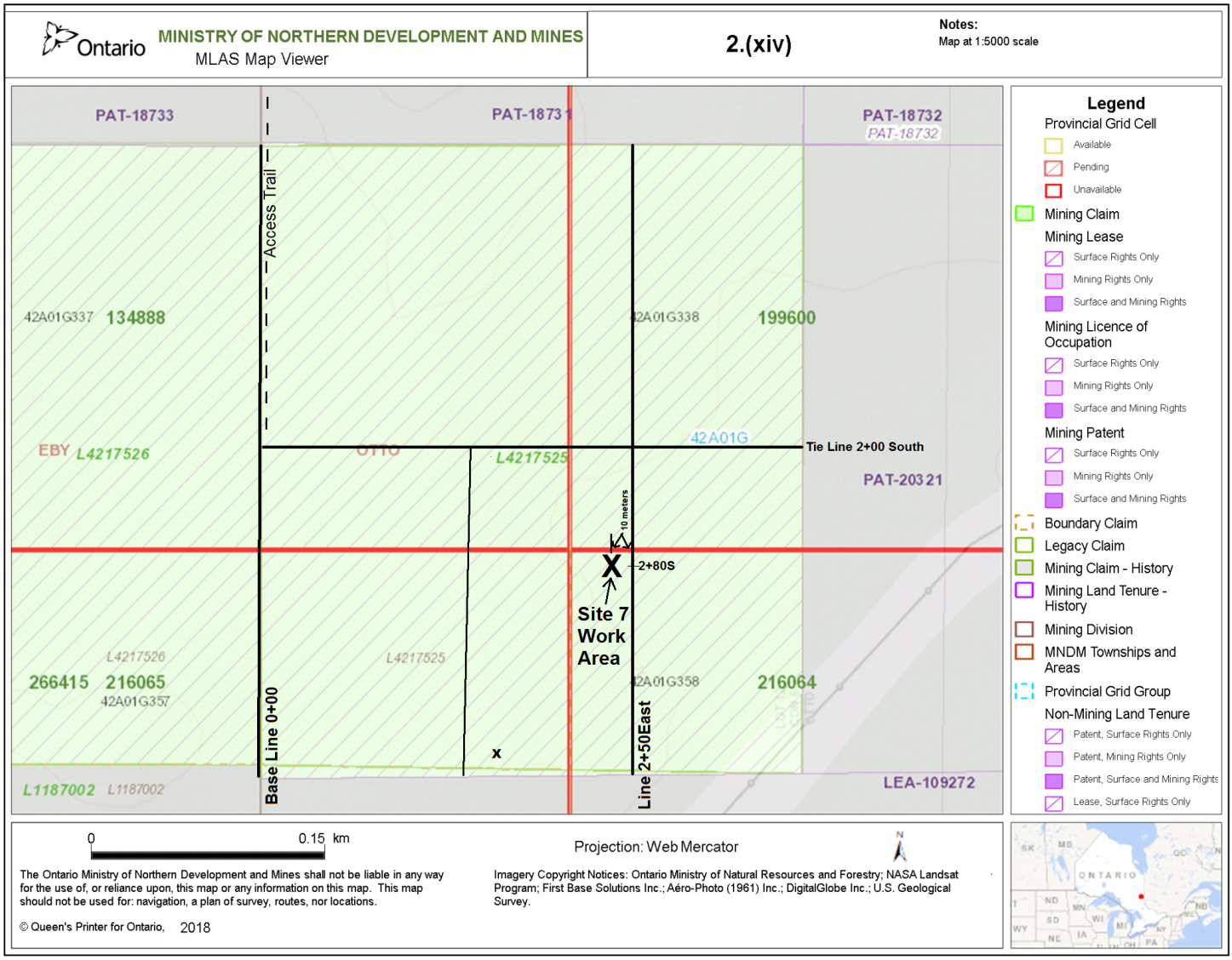
Au - gold
Ag - silver
As -arsenic
Co - cobalt
Cu - copper
Mo - molybdenum
Ni - nickel
Pb - lead
Zn - zinc
Twp - township
qz - quartz

See individual illustration legends for their respective legend.

All UTM coordinates used herein refer to NAD83 datum and are in zone 17u.

2.(xiv)

LOCATION MAP



2.(xv) Detailed map of each of the trenches, pits, and/or stripped area

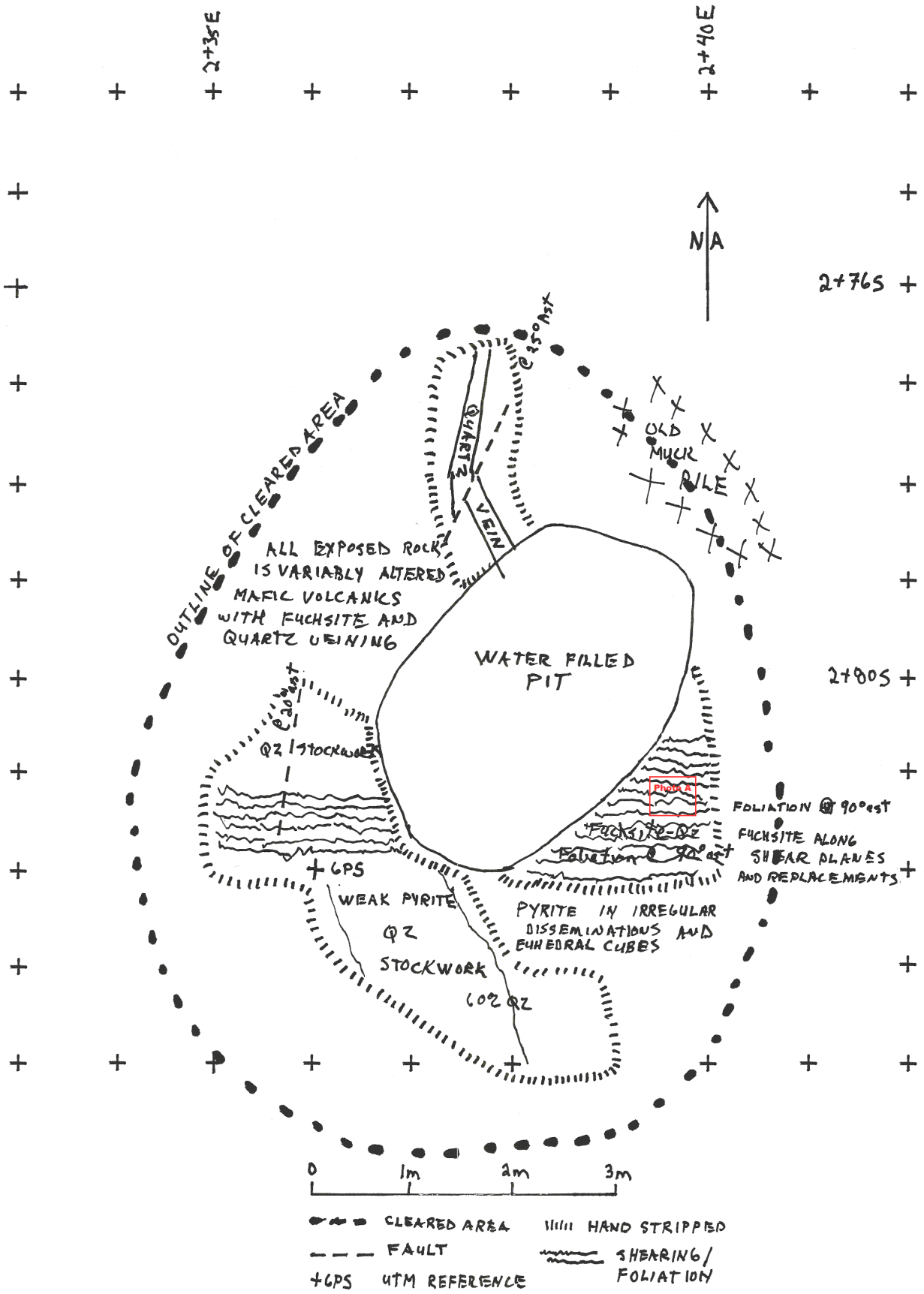




Photo A - Sheared mafic volcanic rock with fuchsite on shear planes.


X-cutting quartz vein with chloritic fracture coatings(muck pile)



Quartz-fuchsite-pyrite altered mafic volcanic rock(muck pile)

2.(xvi) Photograph of Work Area & GPS Screen

Site 7



Photo looking south east at west side of workings

GPS Coordinates at Site 7



END