

**TRENCHING REPORT**  
**NIEMETZ PROPERTY – BRIGGS TWP.**  
**Sudbury Mining Division**  
**NTS 31 M/4**

**D.Laronde    December 9, 2003.**



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**Introduction:**

As part of an extensive mineral exploration program, trenching was performed at the Niemetz copper-gold showing. From November 10 to 15, 2003 a series of trenches were drilled and blasted in and around the historic Niemetz showing. This phase of work was designed to enlarge existing trenching and to test for additional mineralization along section and to expand the grade of the occurrence. Three trenches were done as well as a first pass of sampling. A further program of systematic sampling should follow based on the quality of the results and lithological interpretation. The UTM location of the trenching is 579700 E, 5203284 N NAD 27 on claim no. 1229493 in Briggs Twp.

**Dates, Personnel and Work Description:**

November 9	Fix road to site, site preparation, stripping with excavator
10	Site preparation, cut trees and stripping by hand to expose outcrop
11	Mobilize compressor onto site, set up and drilling
12	Drilling
13	Drilling and blasting
14	Mucking out trenches
15	Sampling and mapping
16	Drafting plans and examining samples
17	Report, filing documents
24	Property visit, sampling

November 9	David Laronde	8 hrs
	Raymond Daneault	4 hrs
November 10	Fred Blake	8 hrs
	Angus MacDonnell	8 hrs
November 11	Fred Blake	8 hrs
	Angus MacDonnell	8 hrs
November 12	Fred Blake	8 hrs
	Angus MacDonnell	8 hrs
November 13	David Laronde	8 hrs
	Fred Blake	8 hrs
	Angus MacDonnell	8 hrs
November 14	David Laronde	8 hrs
	Fred Blake	8 hrs
	Angus MacDonnell	8 hrs
November 15	David Laronde	8 hrs
November 16	David Laronde	8 hrs
November 17	David Laronde	8 hrs
November 24	Gino Chitaroni	6 hrs

### **Work Methodology:**

The area to be trenched was cleared of trees and the overburden cleaned off with an excavator. For the drill and blast method several 1 1/4 inch diameter plugger holes were put down in a 16 inch pattern and angled to optimize rock breakage. Holes were drilled to about 18 inches in depth and then filled with explosives and detonated with primacord and electric blasting caps. The pluggers were run by a large air compressor powered by a trailer mounted diesel engine. The weight of the compressor made it difficult to get to the jobsite over the bush road so there was some road building. Following the blasting the trenches were mucked out by hand. Ten grab samples were taken by the author and three samples taken by Gino Chitaroni. All were assayed and the results of herein.

### **Trench, Geology and Sample Descriptions**

#### **Trench A:**

**Grid Coordinates:** 982 m South, 950 m West  
**Length:** 15 meters (50 feet)  
**Width:** 0.5 to 1.0 meters (1.6 to 3.2 feet)  
**Depth:** 30 to 60 cm (1 to 2 feet)

#### **Grab Samples:**

**A-1** greenish-grey metavolcanic schist, sheared with minor pyrite, slickensides, at a contact between different shades of volcanic rock  
**A-2** dark green metavolcanic, jointed, minor pyrite, carbonate veinlets  
**A-3** same as A-2 only with epidote inclusions 10 mm  
**A-4** dark green metavolcanic with 1-2 % pyrite, 1mm veinlets of carbonate, orange staining along slickened fracture planes  
**5714** greenish grey metavolcanic with abundant calcite/carbonate veinlets (no pattern) and epidote alteration, 1-5% disseminated pyrite 0.008 oz/ton Au

#### **Trench B:**

**Grid Coordinates:** 970 m South, 950 m West  
**Length:** 7.3 meters (24 feet)  
**Width:** 0.5 to 1.0 meters (1.6 to 3.2 feet)  
**Depth:** 30 cm (1 foot)

**Grab Samples:**

**B-1** dark green metavolcanic with 1% chalcopyrite, minor bornite, pyrite 3% and malchite staining along fractures, epidote inclusions, carbonate veinlets

**B-2** dark green metavolcanic with 1% pyrite in epidote inclusions up to 25mm in diameter, pyrite and possibly chalcopyrite also through volcanic

**B-3** same as B-2 with granitic veins containing 3% pyrite and orange iron staining

**5715** dark green metavolcanic with epidote alteration throughout, stringer type calcite and pink dolomitic micro-veining present ) 0.026 oz/ton Au and 0.09% Cu

**Trench C:**

**Grid Coordinates:** 993 m South, 938 West

**Length:** 5.5 meters (18 feet)

**Width:** 0.5 to 1.0 meters (1.6 to 3.2 feet)

**Depth:** 30 to 60 cm (1 to 2 feet)

**Grab Samples:**

**C-1** intermediate metavolcanic with abundant carbonate content with stringers and semi-massive pyrite, rusted fracture planes

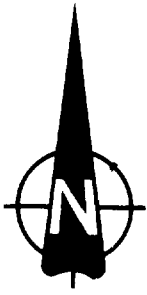
**C-2** same as C-1

**C-3** intermediate metavolcanic with abundant carbonate in vein 3 mm wide, minor pyrite, rusted fracture planes

**5713** Semi-massive pyrite in sheared intermediate mafic volcanic, heavy gossan  
0.10 oz/ton Au and 0.49% Cu

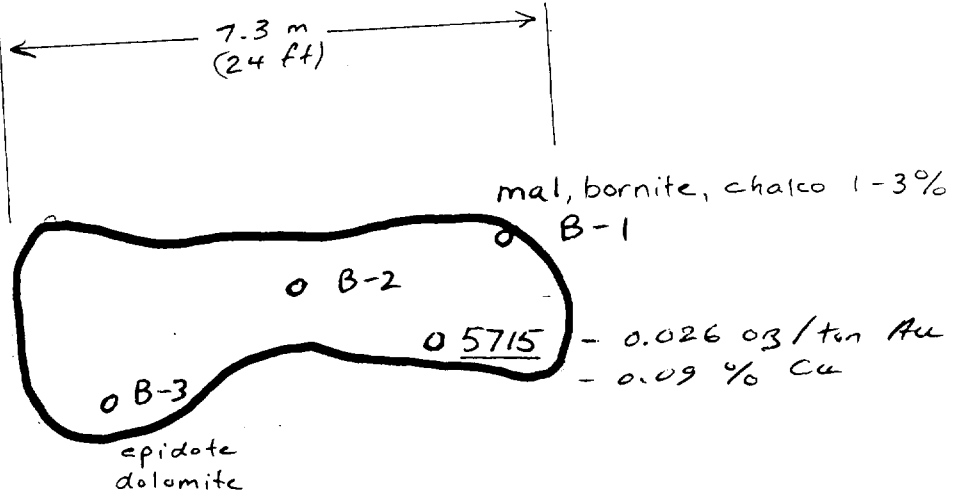
**Note:** Samples 5713,5714,5715 were collected by Gino Chitaroni on Nov. 24, 2003

# TRENCHING AND SAMPLING PLAN

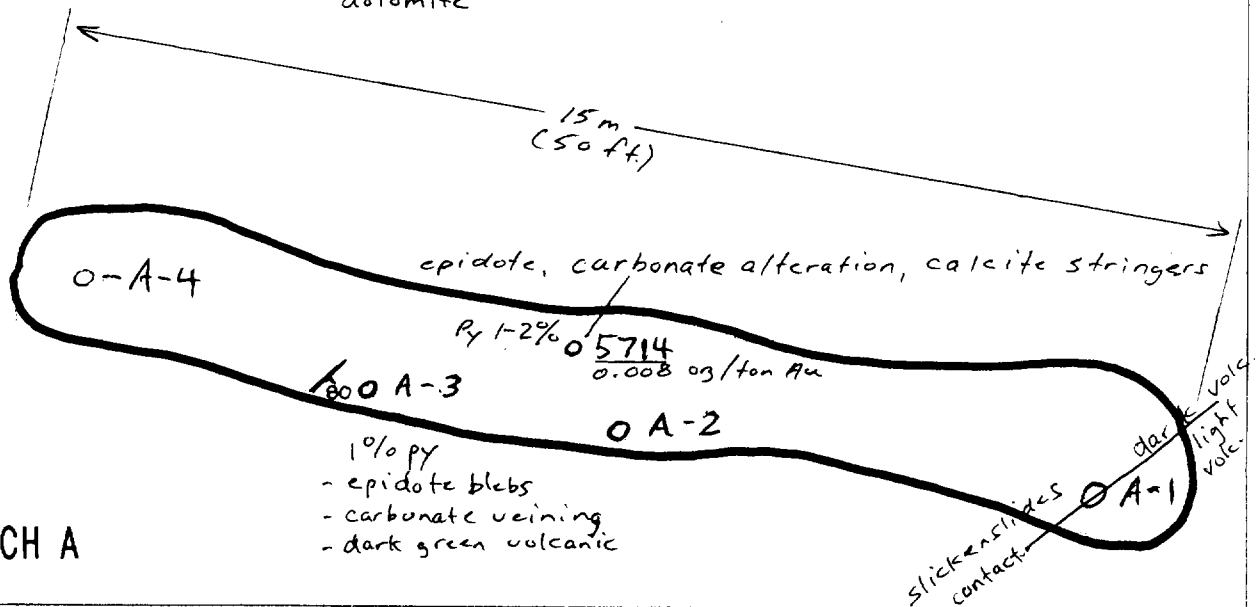


astro

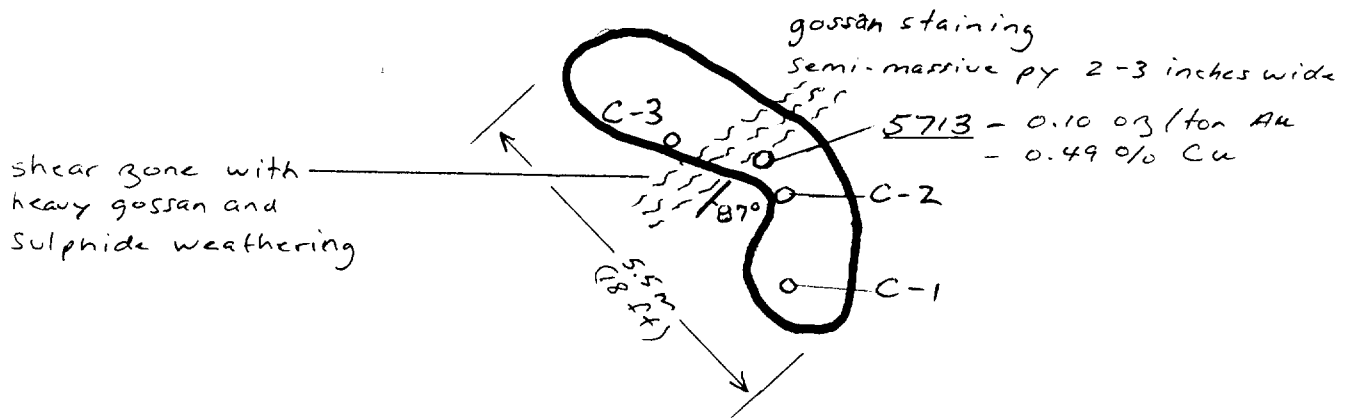
## TRENCH B



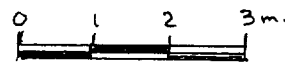
## TRENCH A



## TRENCH C



o sample location (grab)



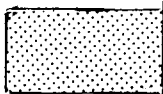
1:100

TRENCH LOCATION MAP

NIEMETZ PROPERTY



astro



- stripped area

579700 E  
NAD 27

950 S

Claim No. 1229493

TRENCH B

50 sq. m

90°

9755

5203284 N

NAD 27

TRENCH A

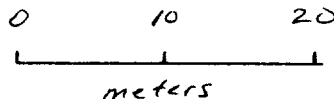
225 sq. m

TRENCH C

1000 S

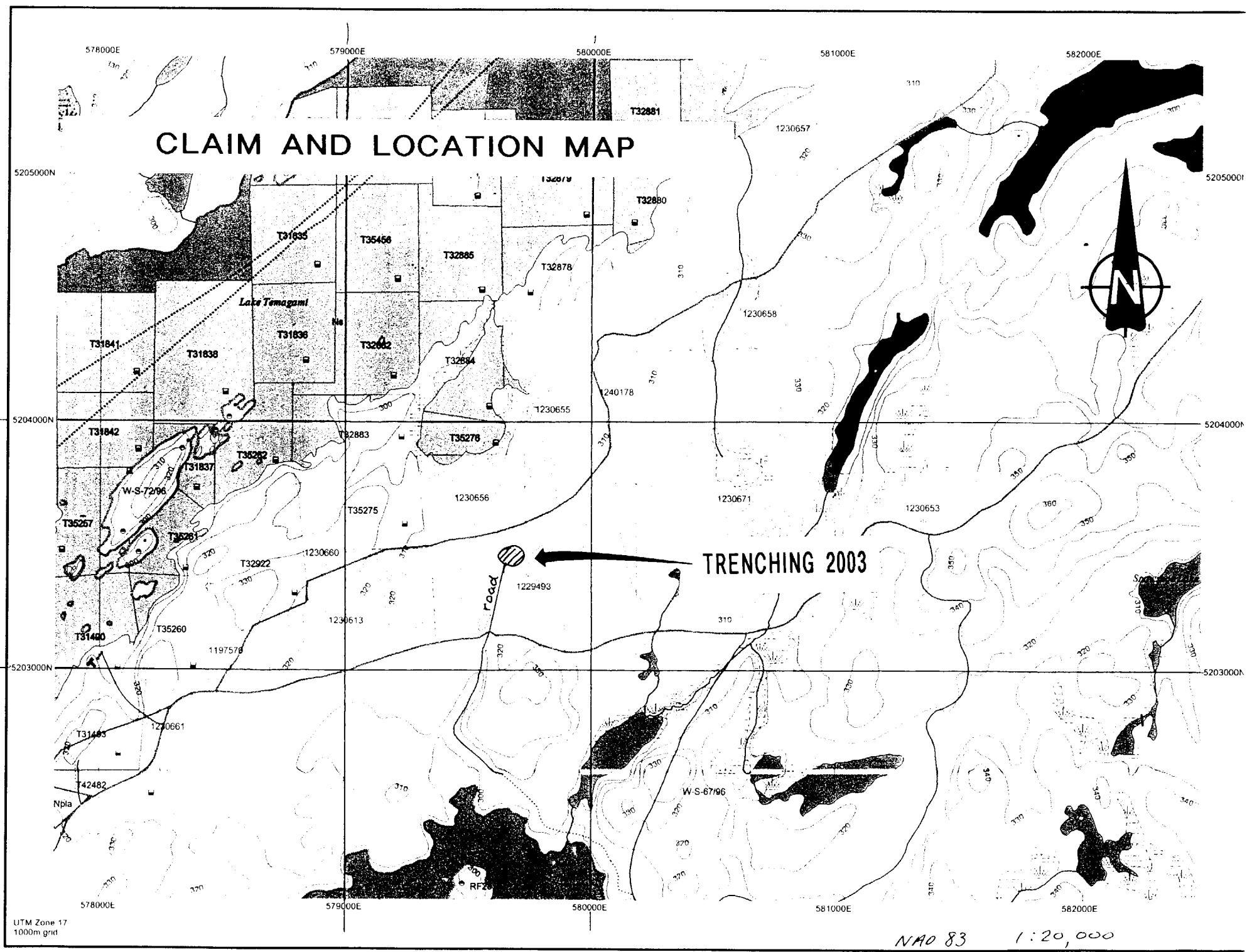
— Road —

1950 W  
NAD 27



1:500

# CLAIM AND LOCATION MAP



UTM Zone 17  
1000m grid

NAD 83 1:20,000



Trench M looking east



Trench A looking west



Trench B looking east

Trench C looking west

Trench C looking southeast



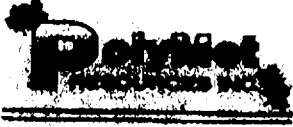
Looking from Trench A to B



Trench B looking west



Area stripped south of Trench B



PolyMet Laboratories

COPY

Project/Job 8-024  
 Customer Tryx Ventures  
 Date Nov. 26/03

Assay Certificate # 883

	Gold Oz/ton	Silver Oz/ton	Pd Oz/ton	Cu%	Be ppm	Pb%	Ni%	Fe %
5713	0.100			0.49				
5714	0.008							
5715	0.026			0.09				

\_\_\_\_\_  Yes  No Certified by: *[Signature]*  
 Fees Received Assayer

Division of PolyMet Resources Inc. 1 Presley St, Cobalt, ON POJ 1C0

Tel: 706-679-5500 Fax: 706-679-5519

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Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines



Date: 2003-DEC-23

GEOSCIENCE ASSESSMENT OFFICE  
933 RAMSEY LAKE ROAD, 6th FLOOR  
SUDBURY, ONTARIO  
P3E 6B5

THOMAS VON CARDINAL  
P O BOX 58  
#2 CHAPUT DR.  
LATCHFORD, ONTARIO  
POJ 1N0 CANADA

Tel: (888) 415-9845  
Fax: (877) 670-1555

**Submission Number:** 2.26877  
**Transaction Number(s):** W0370.02003

Dear Sir or Madam

**Subject: Approval of Assessment Work**

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

If you have any question regarding this correspondence, please contact STEVEN BENETEAU by email at [steve.beneteau@ndm.gov.on.ca](mailto:steve.beneteau@ndm.gov.on.ca) or by phone at (705) 670-5855.

Yours Sincerely,

A handwritten signature in black ink that reads "Ron C Gashinski".

Ron C. Gashinski  
Senior Manager, Mining Lands Section

**Cc:** Resident Geologist

David Dennis Laronde  
(Agent)

Thomas Von Cardinal  
(Assessment Office)

Assessment File Library

Thomas Von Cardinal  
(Claim Holder)





31L13NW2014 2.26877 BRIGGS

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ONTARIO  
CANADA

MINISTRY OF NORTHERN  
DEVELOPMENT AND MINES  
PROVINCIAL MINING  
RECORDERS' OFFICE

Mining Land Tenure  
Map

Date / Time of Issue: Tue Jan 06 10:35:44 EST 2004

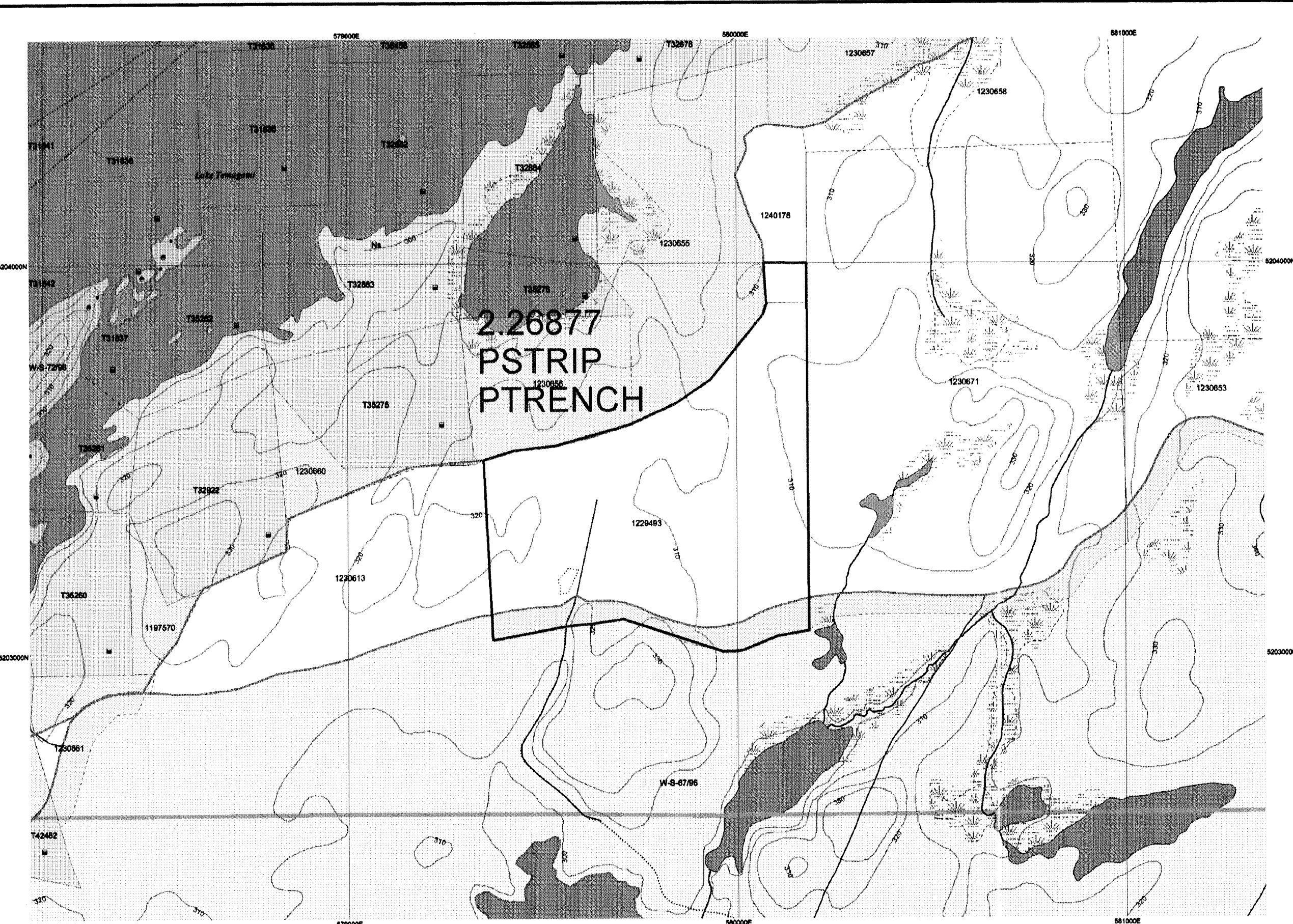
TOWNSHIP / AREA  
BRIGGS

PLAN  
G-3411

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division  
Land Titles/Registry Division  
Ministry of Natural Resources District

Sudbury  
NIPISSING  
NORTH BAY

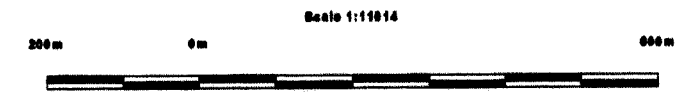
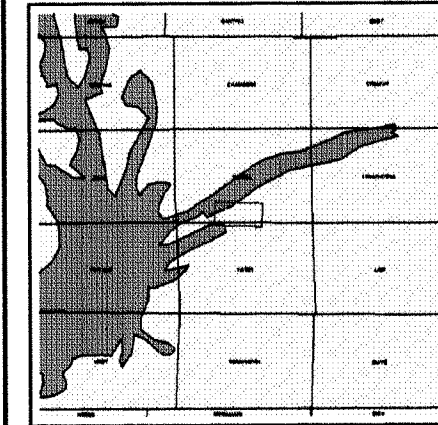


TOPOGRAPHIC

- Administrative Boundaries
- Township
- Concession Lot
- Provincial Park
- Indian Reserve
- Cliff, Pit & Pile
- Contour
- Mine Shafts
- Mine Headframe
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Utilities
- Tower

Land Tenure

- Freehold Patent
    - Surface And Mining Rights
    - Surface Rights Only
    - Mining Rights Only
  - Leasehold Patent
    - Surface And Mining Rights
    - Surface Rights Only
    - Mining Rights Only
  - Licence of Occupation
    - Uses Not Specified
    - Surface And Mining Rights
    - Surface Rights Only
    - Mining Rights Only
  - Land Use Permit
  - Order in Council (Not open for staking)
  - Water Power Lease Agreement
  - Mining Claim
  - Filled Only Mining Claims
- LAND TENURE WITHDRAWALS**
- Areas Withdrawn from Disposition
  - Mining Acts Withdrawal Types
  - Surface And Mining Rights Withdrawn
  - Surface Rights Only Withdrawn
  - Mining Rights Only Withdrawn
  - Order in Council Withdrawal Types
  - Surface And Mining Rights Withdrawn
  - Surface Rights Only Withdrawn
  - Mining Rights Only Withdrawn
- IMPORTANT NOTICES**
- IMPORTANT NOTICES



LAND TENURE WITHDRAWAL DESCRIPTIONS

Identifier	Type	Date	Description
W-S-67/96	Wam	Sep 13, 1996	SEC.35/90 W-S-67/96 09/13/96 M&S 195150
W-S-72/96	Wam	Sep 17, 1996	SEC.35 W-S-72/96 HER SEP17/96 M & S 195150 (ALL ISLANDS IN LAKE TEMAGAMI)
W-S-67/96	Wam	Sep 13, 1996	SEC.35/90 W-S-67/96 09/13/96 M&S 195150

IMPORTANT NOTICES

Areas under which special regulation, limitations or conditions exist that affect normal prospecting, staking and mineral development

ONTARIO REGULATION 30/98-MINING ACT & ONTARIO REGULATION 30/98-PUBLIC LANDS ACT APPLY TO THIS AREA AND MAY IMPACT EXPLORATION ACTIVITIES. FOR INFORMATION CONTACT PROVINCIAL RECORDING OFFICE 1-888-415-9848

Those wishing to stake mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Northern Development and 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.

The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Northern Development and Mines web site.

General Information and Limitations

Contact Information:  
Provincial Mining Recorders' Office  
Willet Green Miller Centre 933 Ramsey Lake Road  
Sudbury ON P3E 9B5  
Home Page: www.mndm.gov.on.ca/MNDM/MINES/LANDS/misnmpge.htm

Toll Free  
Tel: 1 (888) 415-9848 ext 577  
Fax: 1 (877) 670-1444  
Map Datum: NAD 83  
Projection: UTM (8 degree)  
Topographic Data Source: Land Information Ontario  
Mining Land Tenure Source: Provincial Mining Recorders' Office

This map may not show unregistered land tenure and interests in land including certain patents, leases, easements, right of ways, flooding rights, licences, or other forms of disposition of rights and interest from the Crown. Also certain land tenure and land uses that restrict or prohibit free entry to stake mining claims may not be illustrated.