

Exploration Report

on the

Mink Lake Gold Property

**Chabanel Township,
Sault Ste. Marie Mining Division, Ontario.**

by

2.28551

Henry P Hutteri P.Geol.

September, 2004

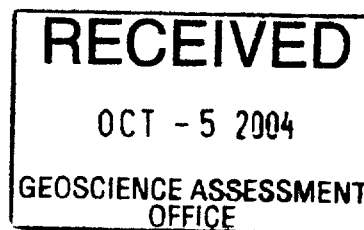


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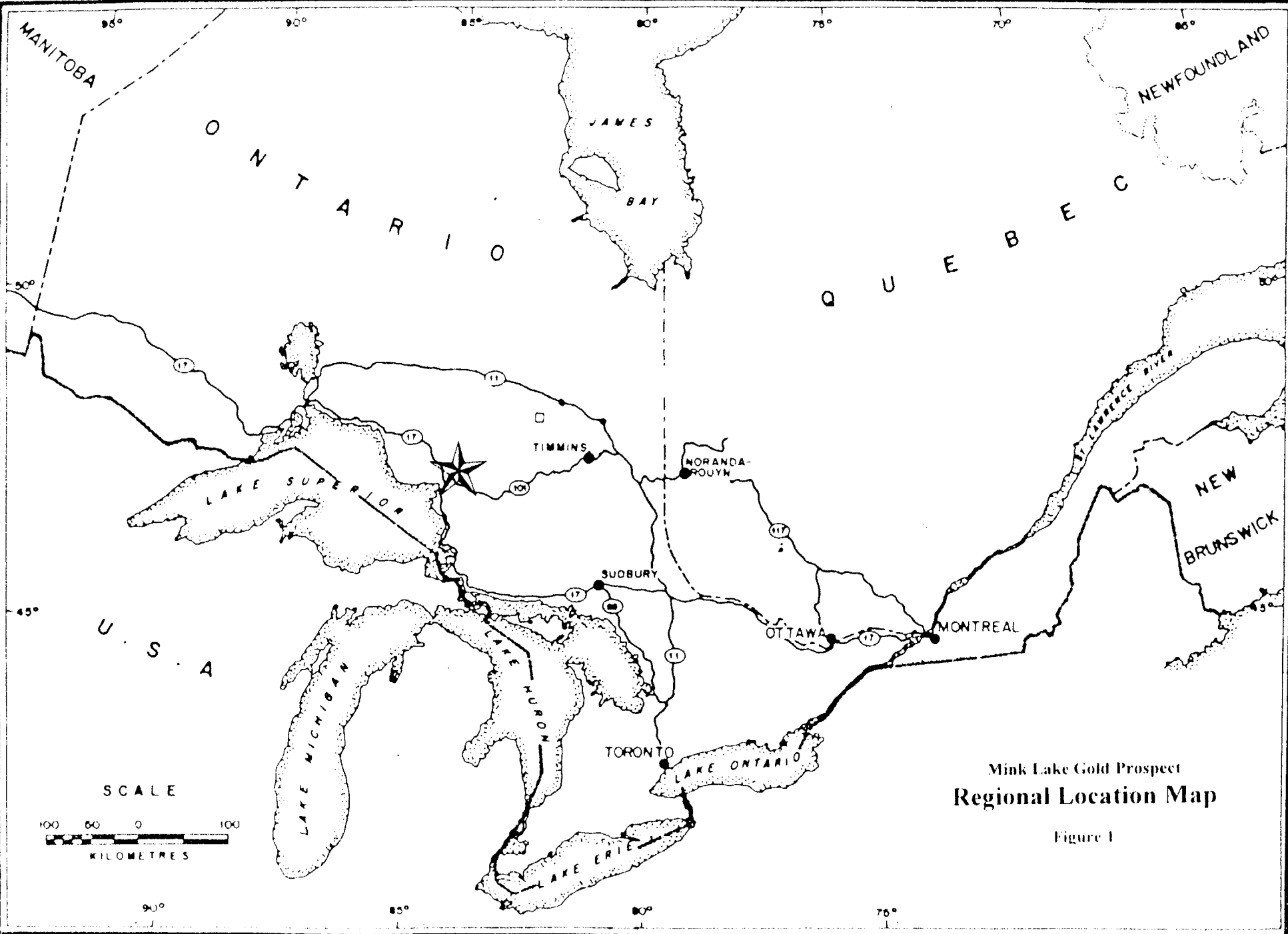
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Mink Lake Gold Prospect
Regional Location Map

Figure 1

Introduction

A short program consisting of flagged grid lines, geological mapping and prospecting was carried out on the Mink Lake Gold Property located 5 kilometers north of Wawa, Ontario.

The work was performed in order to define the bedrock lithologies on the claim and locate additional areas of gold mineralization and /or potential structures which may host gold mineralization. The work was carried out on the northernmost unit of a 3 unit mining claim. The other two units had previously been mapped by the author in 1998 and host the Mink Lake Gold Occurrence which had several reported shallow, low grade gold-bearing intersections including 2.9g/t / 8.06m, 2.3g/t / 8.5m and 1.7g/t / 5.10m. The last and deepest hole also returned the most significant assay of 6.5g/t over 3.0m.

The field work was carried out by the author of this report and was assisted by Joel Hutteri of Porcupine, Ontario.

Location and Access

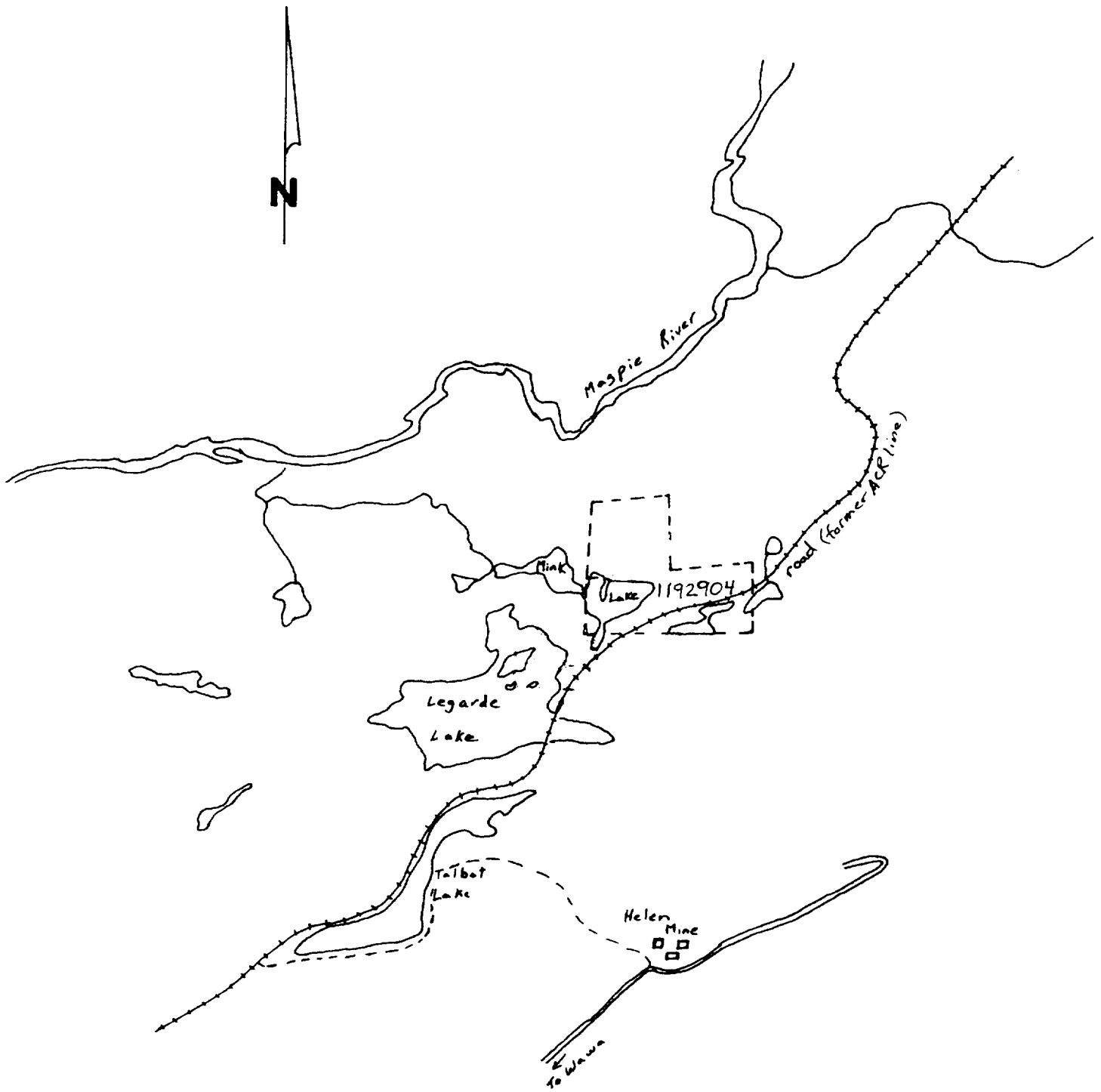
The Mink Lake Prospect lies in the south-central part of Chabanel Township, 5 kilometers northeast of the town of Wawa, Ontario. The former Helen Iron Mine lies about 1 kilometer to the south. The best access to the claims gained by following Highway 101 east approximately 8 km and turning north onto a gravel road at the very east end of Wawa Lake and then traveling another 6 km to the ACR railway bed which from which the rails have been removed. Driving south an additional 3 km on this new roadway will lead directly onto the southern portion of the Mink Lake Property. The portion of this 3 unit property that was worked is located on the north side of Mink Lake, which is clearly visible from the road. The property is shown on the claim location map (figure 2).

Property description

The property is comprised of 1 mining claim of 3 units located in the south-central part of Chabanel Township, Sault Ste Marie Mining Division, Ontario. The claim numbers are listed below.

<u>Claim #</u>	<u># Units</u>
1192904	3

This claim is currently registered to Henry Hutteri, Box 59, 5 Hallnor Road, Porcupine, Ontario. P0N 1C0.



Mink Lake Gold Prospect
Claim Location Map

Figure 2

Previous Work

The area was worked by prospectors since at least the 1930's when trenching was done on a few of the known gold showings. The earliest recorded work on the Mink Lake Prospect was in 1936 when Erie Canadian Mines and Hollinger Consolidated carried out trenching, sampling and a shallow diamond drilling program on a gold-arsenopyrite-pyrite bearing "iron formation". The best assay interval from the trenching program was reported to be 4.05g/t over 2.4m. Approximately seven very shallow diamond drill holes were subsequently drilled in the area of the main trenches. Four of the holes were reported to have yielded the following intersections: 3.12g/t over 8.5m, 29.65g/t over 2.2m, 3.43g/t over 4.6m and 5.61g/t over 1.5m.

In 1938, additional trenching and sampling was reported by two prospectors (Miller and Williamson) north of Mink Lake and partly on the northern part of current claim 123732. A series of 060 striking quartz veins with heavy associated sulfide mineralization including chalcopyrite and arsenopyrite was reported along with some visible gold within diorite masses. There is no record of any diamond drilling being carried out.

In 1983, H.Ferderber Geophysics carried out VLF-EM and Fluxgate magnetometer surveys over most of the current 4 unit claim group on behalf of Hemgold Resources Ltd. The grid lines were oriented north-south and were spaced 400 feet apart. Two conductive zones striking east-west were outlined, one of which was found to be an iron formation located north of Mink Lake. Subsequent geological mapping and sampling suggested that the main showing occurred within a sulfide-rich "quartzite" unit with cross-cutting narrow quartz veins. Several gold values ranging from 0.01 to 0.08 oz/t were obtained from sampling with two high gold values of 0.48 and 0.26 oz/ton. No diamond drilling was carried out.

In 1986, Noranda Exploration Co. optioned the 4 claim units currently comprising the Mink Lake Property from Hydro Home Appliance. In addition, Noranda acquired a few hundred claims in the surrounding area. Initial claim line geological mapping and reconnaissance rock geochemical sampling was completed over much of the large land package followed by very limited magnetic and VLF-EM surveying and geological mapping over a couple small grids covering the Mink Lake and Legarde Lake gold occurrences. On the Mink Lake gold occurrence, a total of 14 diamond drill holes were drilled from 1986 to 1989 to test a "cherty dolostone" unit located along the contact of a quartz porphyry unit to the north and sheared and iron carbonate altered mafic volcanics to the south. The best intersections were reported as follows: 2.9 g/t over 8.0m, 2.3 g/t over 8.5m including 3.7 g/t over 3.0m, 1.7 g/t over 5.1m and 6.5 g/t over 3.0m. The best result of 6.5 g/t over 3.0m was obtained from the last and deepest hole of the drill program, ML-14. Additional drill holes were proposed but not drilled. In addition, a 14m wide siliceous zone containing minor galena and chalcopyrite located at a Quartz-Feldspar Porphyry-Gabbro contact yielded gold values of 4.3 g/t over 2.0m.

In 1998, Henry Hutteri and Edward Korba carried out a program of line cutting, prospecting, geological mapping, magnetometer surveying, blasting and sampling on the southern

two units of the current Mink Lake Property. Sampling on the main gold-bearing siliceous carbonate zone yielded eleven grab samples ranging from 0.91 to 34.39 g/t gold.

Regional Geology

The Mink Lake Prospect lies within the Michipicoten Greenstone Belt and within the Legarde Lake-Mink Lake area consists of a northeast trending suite of primarily felsic volcanic rocks with lesser mafic to intermediate volcanics, gabbro sills and quartz porphyries. These rocks are overlain to the north by a narrow band of iron formation and a thick unit consisting of conglomerate, greywacke and argillite.

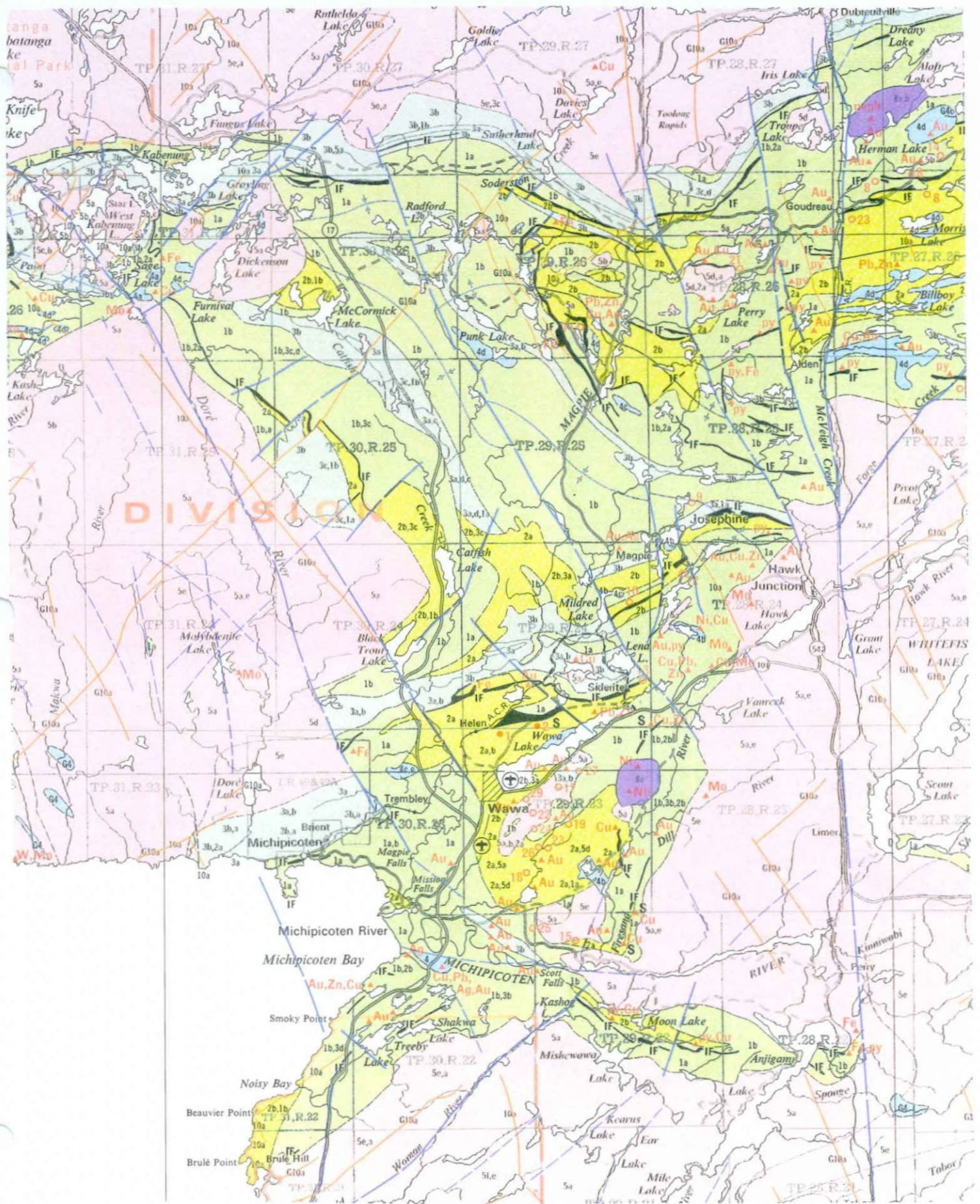
The main structural feature in the region is the Michipicoten Structural Zone which consists of a broad corridor of variably structurally deformed rocks, a high frequency of gold occurrences (including current and past producing mines) and an exceptional amount of felsic to mafic intrusive sills and stocks. This structural zone strikes southwest from the Renabie Gold Mine in the extreme northeast portion of the belt to Michipicoten Bay in Lake Superior. Several miles to the west, the Eagle River and Mishibishu Lake Deformation zones may possibly represent the western extension of this regional structural zone.

The Mink Lake Property lies on the northern limit of the Michipicoten Structural Zone. Within this area there is a broad northeast striking zone of shearing and cleavage development with widespread sericite, iron carbonate and silica alteration. Disseminations and stringers of tourmaline as well as narrow quartz-tourmaline veins are common. Rock geochemical sampling carried out previously by Noranda Exploration Co. in the Mink Lake- Legarde Lake areas reported that there was a very broad area of rocks exhibiting sodium depletion as well as an enrichment in potassium and silica. Gold occurrences generally strike northeast and occur in all lithologies and a variety of settings including disseminated sulfides in sericite-carbonate schist (Legarde Lake showing), quartz-tourmaline veins (common), carbonate-silica-quartz stockwork-sulfide zones (Mink Lake Prospect, Legarde Lake-North showing), and quartz veins with sulfide haloes within sedimentary and mafic intrusive rocks (Mink Lake-North showings). Gold also has been found in alteration zones along geological contacts.

1998 Exploration Program

Grid

A grid was established prior to the geological mapping and prospecting being carried out. Since the property was located north of the Algoma Steel sinter plant within the "fume kill area", the area was largely devoid of any bush with only very sparse small birch trees starting to grow back. Grid lines and stations were marked using flagging tape and the distance between pickets was chained in with a tape measure.



Regional Geology Map

Figure 3

A total of 2.0 km of grid lines and 400m of tie lines were established over the one mining claim unit. The tie line at 1+50m south was oriented at 090 azimuth with grid lines at 360. The grid lines were spaced 100 meters apart with the stations at 25 meter intervals. Joel Hutteri assisted in the two man chaining of the lines.

Geological Mapping

Geological Mapping and prospecting was carried out over a 40 acre mining claim unit which was part of a 3 unit claim at a scale of 1:2500 (Map 1). The geological mapping and prospecting was performed by geologist Henry Hutteri, the author of this report. All grid lines and areas of outcrop adjacent to and between the lines were walked during the course of the survey. Outcrop exposure was greater than 50 % overall. The northern two thirds of the grid covered a prominent east-west striking rock ridge and consisted almost entirely of outcrop and sub outcrop exposures while the southern third was covered mainly by a gravelly till layer.

The grid was found to be underlain primarily by an east-northeast striking weakly altered central gabbro intrusive bounded to the north and south with quartz eye bearing felsic tuffs and fine grained sediments in the extreme north end.

The gabbroic intrusive (4) commonly had a dark green to slightly brownish green weathered surface and a dark green fresh surface. It typically had a massive, medium grained, salt and pepper intrusive texture and was often weakly magnetic. There was a weak sporadic rusty iron carbonate alteration and shearing which was noticeably stronger along its northern contact with the felsic volcanic rocks. Quartz stringers, veins and sulfides were generally absent within the gabbro, however, there was some significant quartz veining up to approximately 1m thick observed just east of the property boundary at about 1+50 S.

The felsic to intermediate volcanic rocks (1) consisted mainly of ash and lesser lapilli tuffs. These varied from white weathering to tan-brown depending on the amount of iron carbonate alteration. They were massive to weakly foliated with a fine grained felsic matrix commonly containing variable amounts of iron carbonate and a very fine grained weak to moderate pervasive sericite alteration. Occasional beds with lapilli sized felsic fragments were noted. The felsic ash tuffs were hard and siliceous and commonly contained fine <2mm sized quartz eyes disseminated throughout. The concentration of quartz eyes ranged from <5% to 20%. Brown weathering iron carbonate alteration was typically weak with moderate carbonate noted close to the gabbro contact. Occasional quartz and quartz-tourmaline stringers and high angle tension veinlets as well as rare fine pyritic bands were seen within these rock types.

The sedimentary rocks (3a) observed were generally very fine grained, grey-green weathering, fairly soft, locally fissile, with local weak iron carbonate alteration and a medium grey fresh surface. This unit occurred along the north edge of the property, had an east-northeast strike and a steep north dip.

Conclusions and Recommendations

A program involving establishing a grid, geological mapping and prospecting was carried out on a single unit of the Mink Lake Property. The grid area encompassed a large barren rocky ridge devoid of forest and was underlain mainly by a gabbro intrusive with lesser quartz porphyritic felsic volcanics and argillaceous sediments in the northern part.

Shearing and moderate iron carbonate alteration was found primarily along the northern contact of the gabbro intrusive with the quartz porphyritic felsic volcanics. Other than minor occasional quartz stringers and tension veinlets and a few fine formational pyrite seams within the quartz porphyritic felsic volcanics, no significant zones of interest were found. No significant gold values were obtained either from the samples containing quartz stringers or pyritic felsic volcanic rock.

Further work should concentrate mainly on the Mink Lake Gold Occurrence located on the lower part of the current property and should consist of follow-up diamond drilling down plunge of the known gold-bearing intersections.


Henry P Hutteri P Geo

Appendix A

Sample Description and Assay Results

Sample No.	Description
28109	-10cm rusty dark grey and white qv float. tr. Py
28110	-grey and white irregular quartz stringers in moderately carbonatized quartz porphyritic felsic volcanic rocks
28111	-quartz stringers and quartz swells up to 15 cm thick at 45 to 90 degree angle to sheared and moderately carbonatized quartz porphyritic felsic volcanic rocks
28112	-dark grey and white quartz stringers and veinlets in sheared and moderately carbonatized quartz porphyritic felsic volcanic rocks
28113	-<10 to 30 cm thick gossanous layer with a few fine py seams within sheared and moderately carbonatized felsic tuffs

* Note:see Map 1 for sample locations



Established 1928

Swastika Laboratories Ltd

Assaying - Consulting - Representation

Assay Certificate

4W-2125-RA1

Company: **Ed Korba**
Project: **Wawa**
Attn: **Ed Korba**

Date: SEP-20-04

We hereby certify the following Assay of 5 Rock samples submitted SEP-15-04 by .

Sample Number	Au g/tonne	Au Check g/tonne
28109	0.03	0.02
28110	0.01	-
28111	0.01	-
28112	0.01	-
28113	0.06	-

Certified by 

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 Fax (705) 642-3300

Date: 2004-OCT-07

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

HENRY PETER HUTTERI
5 HALLNOR ROAD
BOX 59
PORCUPINE, ONTARIO
P0N 1C0 CANADA

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

Submission Number: 2.28551
Transaction Number(s): W0450.01563

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 or by phone at (705) 670-5855.

Yours Sincerely,



Ron C. Gashinski
Senior Manager, Mining Lands Section

Cc: Resident Geologist
Henry Peter Hutteri
(Claim Holder)

Assessment File Library
Henry Peter Hutteri
(Assessment Office)

Date / Time of Issue: Thu Oct 07 08:57:51 EDT 2004

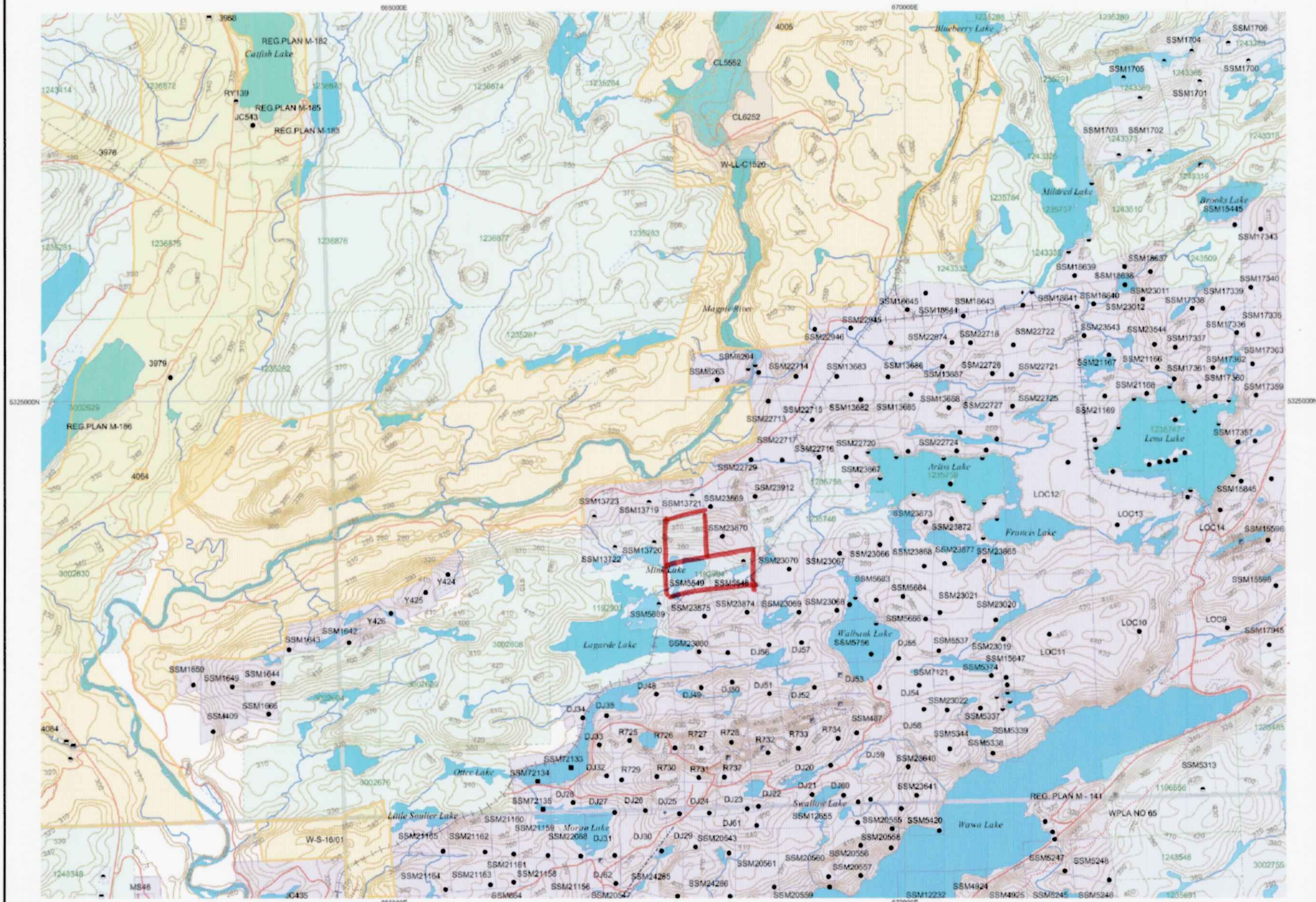
TOWNSHIP / AREA
CHABANEL

PLAN
G-2744

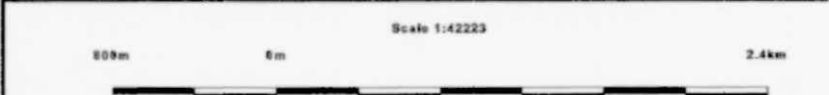
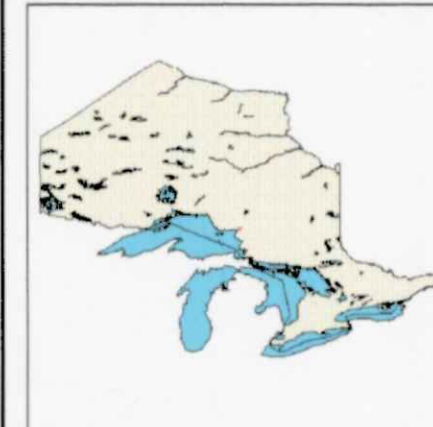
ADMINISTRATIVE DISTRICTS / DIVISIONS

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

Sault Ste. Marie
ALGOMA
WAWA



TOPOGRAPHIC		Land Tenure	
	Administrative Boundaries		Surface And Mining Rights
	Township		Surface Rights Only
	Concession Lot		Mining Rights Only
	Provincial Park	Leasehold Patent	
	Indian Reserve		Surface And Mining Rights
	CIE, P1 & File		Surface Rights Only
	Contour		Mining Rights Only
	Mine Shafts	License of Occupation	
	Mine Headframe		Uses Not Specified
	Railway		Surface And Mining Rights
	Road		Surface Rights Only
	Trail		Mining Rights Only
	Natural Gas Pipeline		Land Use Permit
	Utilities		Order in Council (Not open for staking)
	Tower		Water Power Lease Agreement
			Mining Claims
			Filed Only Mining Claims
		LAND TENURE WITHDRAWALS	
	1234 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		
	No IMPORTANT NOTICES		



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GEOL
ASSAY

UTM Zone 18
500m grid



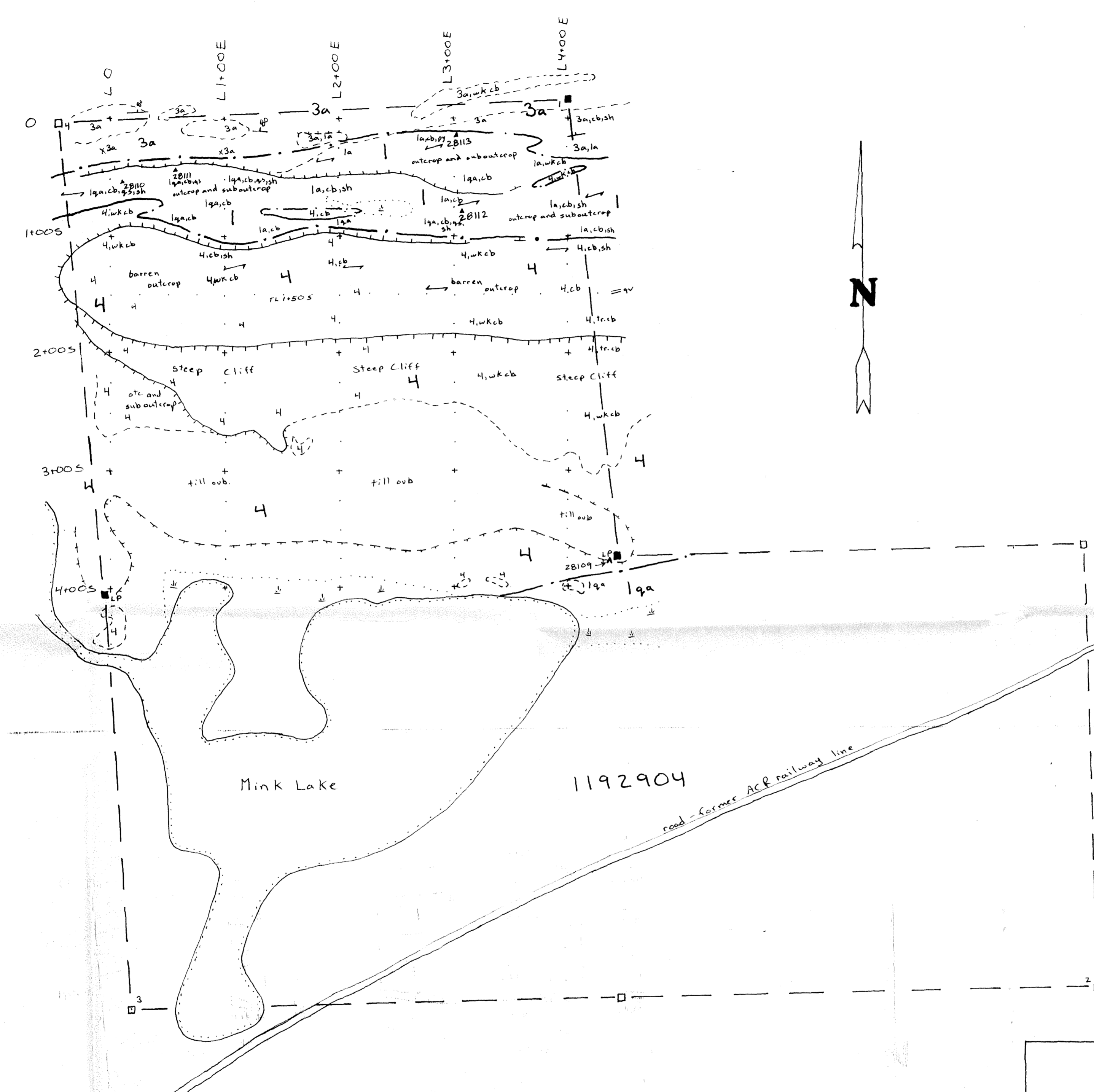
For Northern Development and Mines for additional
determination purposes as the information
at information may also be obtained through the
of downloading from the Ministry of Northern

General Information and Limitations
Contact Information:
Provincial Mining Recorders' Office
Wilket Green Miller Centre 933 Ramsey Lake Road
Sudbury ON P3E 6B5
Home Page: www.mndm.gov.on.ca/MNDMMINESLANDS/misampg.htm

Toll Free
Tel: 1 (855) 415-9845 ext 57
Fax: 1 (877) 670-1444

Map Datum: NAD 83
Projection: UTM (6 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.



LEGEND

- 1 Felsic Volcanic Rocks
 - a Ash-Lapilli Tuff
 - qa Quartz Porphyritic Ash-Lapilli Tuff
 - 3 Sedimentary Rocks
 - a Argillite, Greywacke
 - 4 Gabbro Intrusive
-
- cb iron carbonate
 - qv quartz vein
 - qs quartz stringers
 - sh sheared
 - □ claim post (located/not located)
 - ↘ bedding with dip
 - ↔ shear direction
 - ⋆ swamp
 - ▲ ridge
 - ▲ sample location and number
 - outcrop
 - 1 float

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Mink Lake Gold Property

GEOLOGY MAP

Kenny Hutteri

Scale 1:2500	Date: Sept 2004
Drawn: H Hutteri	Map No.1

