



**JANUARY 21, 1993**

**PROSPECTING REPORT FOR OPAP 1992 BY MARK PERRAULT**

**PROJECT 1.**

**HAYCOCK ROAD AREA**

**Location and Access:**

The project area is located in Haycock Township (see Project Location Map: #1, and Fig. 1.) and is bounded by Highway 17 to the south and east; Highway 17A (the Kenora Bypass) to the West and south of the CPR tracks. The project was centred on the Haycock Road which was recently created for lumber cutting. The road starts at Highway, 19km east of Kenora. Access to the area was also obtained via two Hydro right of ways, one from the bypass and the other from Highway 17.

**Geology:**

The project area is mainly composed of granites and granodiorite with a band of medium to high grade mafic volcanics running east-west through the area, pinching out to the east. There are also some felsic dikes running around 95°. The mafic volcanics are composed of pillowed basalt and medium to coarse flows. An east-west shear zone runs through the mafic volcanics varying in width from 50 to 200 feet wide. Associated with the shearing is silicification and sulphide mineralization. The far western portion of the map area, along the bypass, also has some quartz veining along the shear zone. The quartz veins are typically under a foot wide and have minor amounts of sulfides and some gold.

**Work Done:**

A total of 23 field days were spent on the area, less than originally proposed due to poor results. 15 days were spent prospecting along 30 pace and compass lines spaced 400' apart, running north-south, perpendicular to the observed shear zone. Two days were spend prospecting along the road and mapping it in since the road does not appear on any maps. One day was spent prospecting around the old Norway Mine and the bypass to look at the type of rocks hosting the ore zone. 1 day was spent prospecting along the western hydro right of way from the bypass; two days were spent on the eastern hydro right of way from Highway 17. One day was spent following the shear zone tying it in with the road and finally one day was spent re-examining the area along the bypass where the best assay result came from. A total of 16 samples, MP001-MP0016 were taken (see attached sample description sheet and assay sheets). Observations, rock types

and sample locations were noted on 1" to 1/4 mile air photos and were incorporated on to Fig.1.

### Results and Recommendations:

The assay results are attached to this report. The best result came from sample MP004, which came from a quartz vein along the bypass. Further examination of that area showed the quartz vein to be too small to be of economic value.

It was hoped that more tongues of mafic volcanics and or quartz veins would be found in the granites and granodiorite. But after running thirty lines through the area it is evident that the mafic volcanics are limited to a narrow zone and the quartz veins are limited to the western end of the map area. The shear zone outlined on the map turned out to be disappointing. Though over a mile long and silicified with sulfides the assay results were too low to be of economic interest. No further work is recommended on the area.

### PROJECT 2.

#### **VIOLA LAKE - WITCH BAY ROAD PROJECT**

#### Location and Access:

The project area (see Project Location Map: #2 and Fig.2) is located in Code and Manross Townships and can be accessed via the Witch Bay Road which connects to Highway 72 and is 30 km by road south of Kenora. Addition access to the area was provided by a hydro right of way. To get to Rat Lake in the southeastern end of the project area a float plane was used.

#### Geology:

The project area centred on the Voila Lake Stock and the felsic volcanics, sedimentary rocks and mafic volcanics along its margins. The Viola Lake Stock is composed of porphyritic granodiorite. The sedimentary rocks are mostly arkoses and arenites. The felsic volcanics are mostly tuffs and quartz-eye tuffs. It was hoped that there would be fracturing in the Viola Lake Stock but no evidence of this was found during my project. Near Cassandra Lake the felsic volcanics were sheared, with the zone striking 90° and vertical dipping. The shearing extends south into the arkoses. The felsic units further south, next to the Bunion Lake Stock are strongly metamorphosed, and grade into gneiss. Furthest south, on the northwest side of Rat Lake, the felsic rocks are predominantly lapilli tuffs. Close to Rat Lake some of the felsics were sheared and carbonatized with some sulphide mineralization. Further west near the Viola Lake Stock the rocks mainly tuffs and were not sheared.

**Work Done:**

A total of 10 days were spent doing traditional prospecting of the area. 4 days were spent prospecting in the Viola Lake Stock and around its margins. 5 days were used to prospect the felsic volcanics and sediments northeast of Viola Lake. The hydro right of way was used as a base line and sampling was performed along it. 17 samples were taken from the felsics and sediments in the area around Cassandra Lake. 1 day was spent prospecting the felsics on the northwest side of Rat Lake. 6 samples were taken including MP030 from the island.

**Results and Recommendations:**

By prospecting in and around the Viola Lake Stock, I was hoping to find some fracturing of the stock and mineralization. None was found and no samples were taken. Around its margins I looked for re-mobilization in any of the rock types but again nothing of interest was found. No more work is needed in this area.

In the felsic tuffs by Cassandra Lake (see fig.2) an east-west shear zone was discovered. The zone is characterized by moderate to intense shearing with pervasive carbonatization and 1-2% py across the zone. 17 samples were taken from the zone, samples MP017-24, MP031-36 & MP039-40 (see attached sample description sheet and assay sheets).

The assay results were poor but assays from drillholes east and west of the area indicate that there is zinc in the area. One sample, MP024 gave an assay of 120ppm Zn which is anomalous. Since no geophysical survey has ever been done on this area it would be recommended. Until then no surface work is needed.

Results from Rat lake were very poor. No further work should be done.

**PROJECT 3.****MIST INLET PROJECT****Location and Access:**

This project area is location in MacQuarrie and Devonshire Townships (see Project Location Map, #3 and Figures 3 and 3A). Access to the area is by a logging road that branches off Hwy 72 across from Bunny Lake and by the White Moose Road.

**Geology:**

The rocks encountered in this survey were mainly unaltered sediments with a consistent foliation of 135° and to the south of them, felsic tuffs. The felsics appeared to be totally unaltered and none showed any signs of mineralization or alteration.

**Work Done:**

1 day was spent prospecting along the logging road down to Mist Inlet and 1 day was spent prospecting north of the White Moose Road.

**Results and Recommendations:**

Due to the total lack of any alteration or structure no samples were taken and no further work is recommended

**PROJECT #4.****PHINNEY LAKE STOCK - BROOKS LAKE AREA****Location and Access:**

The area is located directly west of Nestor Falls and can be accessed from Nestor Falls via the Tri-Lake Road (see Project Location Map, #4 and Figure 4). My survey actually started at the end of the Tri-Lake Road keeping to the right forks, which is 29 km from Hwy 72. Unfortunately the road did not take me into the felsic unit I originally planned to visit so I prospected the rocks along the road in the Brooks Lake Area (claim map G2670). Access to my original target area requires a float plane.

**Geology:**

The Tri-Lake Road transects a variety of geologic terrains. Starting off in the Sabaskong Batholith it crosses into a large area of mafic volcanics, mainly pillow basalt and medium grained flows. Interspersed in the mafic volcanics are gabbroic sills. The rocks where sample MP037 was taken from were pillow basalt. Though no shearing was present the rocks had a paler and smooth look to them and were strongly carbonatized. The rock contained 1% py & cp.

**Work Done:**

1 day was spent driving down the Tri-Lake Road to reach the felsic volcanics at Phinney Lake. After 29 km the road ended and I was still several kilometres away from target. I then

prospected from where the road ended back along the road to the western edge of the Brooks Lake claim map sheet. I took one sample, MP037 from a carbonatized pillow basalt which had py and cp.

Results and Recommendations:

Unfortunately I only spent one day on the road due to the fact that I could not reach my intended target. The assay from the one sample I did take was encouraging. The sample gave 155ppm Cu, 113 ppm Zn, .8ppm Ag and was depleted in potassium and in sodium. Further surface exploration around the area is warranted.



52F13SE0003 OP92-621 HAYCOCK

020

DAILY LOG - 1985 24

MARK PERRAULT

- Aug/3 -Tie in Haycock road onto base map (Haycock Road is recent and is not on any maps. Examined several rock types along road - diorite and quartz diorite and several felsic dikes trending 220°. Covered 2.6km of road.
- Aug/4 -Starting 1.1km down road at left fork - examined rocks along the road for 2km. Took MP001 from q.v. at 1.9km and MP002 from wallrock. Took sample MP003 from mafic volc. 500m farther down road. Marked off 28 lines along side of road using flagging and rock cairns. Used 400 foot spacings and accounted for the curves in the road.
- Aug/5 -Raining so visited west end of project area (actually farther away than originally intended). Prospected on open ground near the Norway Mine. Also examined rocks along the bypass. Took samples MP004-5 from a shear zone. West side off the bypass is staked. Zone weakens rapidly as you go east.
- Aug/6 -Starting at the bypass took MP006 from a crack and seal q.v. right near the hydro right of way. Prospected along the right of way and perpendicular to it. Some mafic volc. but dry looking. About 2000' came to large escarpment. Walked 1000' north to get around it. Rocks are mostly granites and diorites. Went another 1000' east and returned.
- Aug/7 -Prospected along L-1 and L-2 (lines 1 and 2). Some mafics near road and 100' south. After that walk 2500' south (approx due to swamps and to check outcrops (see fig.1 for more detailed observations. Headed west 400' and north 2800' to road. Went north on L-2, 1200' and east 400' and south 1300' to road 50' west of L-1.
- Aug/8 -Prospected on L-3 and L-4 the same as the day before. Rain slowed things down, hard to write notes. See fig.1.
- Aug/9 -Rain hard early. Wait 2 hours. Prospect L-9 & L-10. Silicified zone parallels road.
- Aug/10 -Steady rain again. Prospected around where sample MP-003 was taken. At noon prospect L-11 and L-12. Slipped and cut hand open- call it a day.
- Aug/11 -Rain again. Prospect lines L-13 and L-14. Look for

contact of granite and mafic. Prospect shore of Russ lake.

- Aug/12 -Drizzle, thunder shower at 2.00 pm. Prospect lines L-15 and L-16. Mafics dry looking. not worth sampling.
- Aug/13 -Light rain. Prospect L-17 and L-18. Did some shoreline of lake north of road. Swampy in places. No sign of any mafics in granite other than in the one band.
- Aug/14 -Rain really makes walking slow, Notebook got wet. Prospect L-19 and L-20. 1600' up L-20 go 270° for 700' to east shore of Carmicheal Lake. Prospect shoreline. Hit large swamp and go around. No outcrop. Finish lines.
- Aug/15 -Prospect lines L-21 and L-22. Mafic volcanics trend 85°. Go to shore of Carmicheal Lake follow shoreline. Mafics along shore. Rain gets heavy. Wait 1 hour. Finish lines.
- Aug/16 -Prospect lines L-23 and L-24. Large cut over area. Lots of outcrop exposure. Prominent shearing, silicification and sulfides. Course flows or gabbro- Not mineralized. Samples MP007,8,9. Cumulative grabs across 10 to 40 feet. Shearing east-west and vertical. Nice looking rock. Some rusty.
- Aug/17 -Prospect L-25 and L-26. Heavy rain. Prospect over cut over area till it lets up. Large felsic dike running 85°. Follow for 1000'. Take sample MP010 from sheared mafics next to dike. Finish lines in afternoon.
- Aug/18 -Prospect L-27 and L-28. Go down near to hydro-line and back up. On side of hill 1350' up line L-28 take sample of sheared mafic running 85°, sample MP011. Try to follow it west but lose it. Finish line.
- Aug/19 -Prospect from Highway 17 along hydro-line. Go 3800' and walk 45° to Carmicheal Lake. Went up 800' and back to line 225°, went past line 1/4 mile up 800' at 315° and back to hydroline and return.
- Aug/20 -Prospect along same hydro-line. Went 1 & 3/4 miles till line crossed lake. Took sample MP012 from quartz vein in sheared mafics. Vein ran 80°. Prospected around area and headed back.

- Aug/21 -Tie in shear zone from one end to the other. Road seems to cover much of it. Took 4 more samples, MP013-16 from various areas along the road. Sent samples for assay that day.
- Aug/22 -Prospected on L-5 and L-6. Surveyed shoreline of unnamed lake. Nothing of interest.
- Aug/23 -Prospected L-7 and L-8. Came down to lake. North of road some mafics but dry looking.
- Aug/24 -Decided to do new line, near start of road, L-29 & L-30. Mixed mafic and diorite. Mafic too high-grade. Also looked at outcrops across highway.
- Aug/25 - Got results from lab. Re-examined area where MP004 came from (it assayed 1.5 grams/t). Best shearing goes east on staked ground. Went 1500' east from shear searching both directions but nothing looked worth sampling.
- Aug/26 -Witch Bay Road. Did traverse T-1 on fig.2. Crossed through top part of Viola Lake Stock. Did allot of walking but saw nothing of interest.
- Aug/27 -Witch Bay Road. Did traverse T-2 covering the contact between the sediments and the Viola Stock. Sediments are high grade but have no shearing.
- Aug/28 - Witch Bay Road. Prospected around traverse T-3. Crossed sediments and possibly some cooked up mafics. Nothing looked worth sampling.
- Aug/29 -Witch Bay Road. Prospected traverse T-4. Went around unnamed lake. Broke a lot of rocks, mostly sediments. Rocks are pretty cooked.
- Aug/30 -Witch Bay Road. Last spot where road crosses hydro-line. Follow hydro-line (T-5). Sheared felsic volcanics. Sample across 3000'. Take samples MP017 - MP024.
- Sept/24 -Witch Bay Road. Went past last sample site. Go down to Bunion Lake Stock to check felsics (traverse T-6). Too high grade.
- Sept/30 -Witch Bay Road. Went to where samples were taken and headed west (T-7). Seen felsics and marked them but lost hammer and couldn't sample. Have to go back another day.



**MARK PERRAULT**  
**DAILY LOG - OPAP '92**

**4**

- Oct/1 -Flew in to Rat Lake with an assistant. Prospected to the west in the felsics (T-8). Took 5 samples MP025 -29 on mainland and MP030 on the island.
- Oct/5 -Went back to traverse T-7 and took samples MP031-33. Did traverse T-9. Took sample MP034 from lapilli tuff.
- Oct/6 -Mist Inlet. Drove down Hwy 72 to logging road across from Bunny Lake. Prospected along road down to Mist Inlet. See Figures 3 and 3A which are claim maps G1329 and G1343 for traverses and observations.
- Oct/7 -Mist Inlet. Travelled 3km down White Moose Road. Prospected north 5000', east 800' and south to road 4800'.
- Oct/8 -Phinney Lake Stock Area. Drove to Nestor Falls and 29 km down the Tri-Lake Road (Airport Rd.) to try to get to intended work area. Road did not go as far as planned. Decided to examine rocks along road from the end back as far as the Brooks Lake Area claim map sheet extends (see Fig. 4 which is the Brooks Lake Area claim map sheet). Took sample MP037 from carbonatized pillow basalt.
- Oct/14 -Witch Bay Road. Prospected along Witch Bay Road and along unnamed lake (see traverse T-10). Took samples MP038-40.

**SAMPLE DESCRIPTION SHEET**

**Sample Number:** MP001

**Type:** Grab

**Size:** 3 lbs

**Rock Type:** Quartz vein

**Description:** - Translucent Q vein  
- crack + seal - some mafic inclusions  
- no sulfides in qtz itself but in mafic inclusions  
- <1% sulfides

**Assay:** Au - Mill

**Sample Number:** MP002

**Type:** Grab

**Size:** 4 lbs

**Rock Type:** Mafic volc - wallrock to MP001

- dark green  
- fine grained py - 17%

**Description:** - dark green  
- med. sheared - ~~50°~~ 30°  
- fine grained  
- 17% py

**Assay:** Au - Mill

**SAMPLE DESCRIPTION SHEET**

**Sample Number:** MP003

**Type:** Grab

**Size:** 4 lbs

**Rock Type:** mafic volcanics.

**Description:**

- Dark green
- Fine grained. - mod sheared.
- very fine grained py - 1%

**Assay:** Au - 30 ppb

---

**Sample Number:** MP004

**Type:** Grab

**Size:** 3 lbs

**Rock Type:** Qtz vein

**Description:**

- translucent Qtz vein with mafic inclusions
- smeared py along fracture plane.
- 1-2% py

**Assay:** Au 1540 ppb

### SAMPLE DESCRIPTION SHEET

**Sample Number:** MP005

**Type:** <sup>cumulative</sup> ~~composite~~ grab across 10'

**Size:** 6 lbs

**Rock Type:** mixed diorite, mafic vule + qtz stringers

**Description:**

- Abd to E-SSile shearing
- small to 1' wide qtz veins (MP004)
- fine grained py in wallrock - 1%.
- silicified

**Assay:** Au - 100 ppb

**Sample Number:** MP006

**Type:** grab

**Size:** 4 lbs

**Rock Type:** crack + seal qtz vein set in pillow basalts

**Description:**

- milky white quartz with 1/4" mafic inclusions
- mafics contain 1-2% py.

**Assay:** Au - 70 ppb

**SAMPLE DESCRIPTION SHEET**

**Sample Number:** MP007

**Type:** <sup>Cumulative</sup> composite grab across 40'

**Size:** 10 lbs

**Rock Type:** mafic volc. - flow

**Description:** - sheared - rusty mafic flow  
- 1" carbonate stringers  
- silicified  
- very fine py, po

**Assay:** Au - 30 ppb

---

**Sample Number:** MP009

**Type:** <sup>Cumulative</sup> composite grab across 30'

**Size:** 8 lbs

**Rock Type:** pillow basalt

**Description:** - moderately sheared + stretched pillow reefs  
- dark green  
- very fine-grained py - 1%  
- silicified

**Assay:** Au - 300 ppb

**SAMPLE DESCRIPTION SHEET**

**Sample Number:** MPCC 4

**Type:** cumulative grab across 8'

**Size:** 6 lbs

**Rock Type:** pillow basalt

**Description:** sheared pillow basalt with 1/2" x 1" quartz stringers  
- basalt selected

**Assay:** Au - 30 ppb

---

**Sample Number:** MP 010

**Type:** grab

**Size:** 5 lbs

**Rock Type:** pillow basalt

**Description:** sheared pillow basalt near contact with granite  
- dark green  
- fine grained  
- 1% fine grained py  
- silicified

**Assay:** Au - 30 ppb

**SAMPLE DESCRIPTION SHEET**

**Sample Number:** MPC11

**Type:** grab

**Size:** 5 lbs

**Rock Type:** Mafic volcanic - flow

**Description:**

- fine grained mafic flow
- moderately sheared - silicified
- 17% py

**Assay:** Au - 30ppb

---

**Sample Number:** MPC12

**Type:** cumulative grab across 10'

**Size:** 6 lbs.

**Rock Type:** quartz vein & sheared mafic volcanics

**Description:** milky white qtz vein with dark green mafic inclusions

- sheared mafic wallrock.
- py - 10% in mafic volcanics.
- silicified

**Assay:** Au - 100ppb

**SAMPLE DESCRIPTION SHEET**

**Sample Number:** MPC13

**Type:** grab

**Size:** 5 lbs

**Rock Type:** high grade basalt with 1/2" Qtz veinlet

**Description:**

- siliceoid
- pale green
- traces of yellow sulfides - stretched
- very fine grained by  $< 1\%$
- quartz milky white

**Assay:** Au - 70 ppb

---

**Sample Number:** MPC14

**Type:** Float

**Size:** 5 lbs

**Rock Type:** ~~high med grained mafic volc. with streaks of massive sulfides.~~  
~~- sulfides -  $> 1\%$~~

**Description:**

- med grained
- bands or streaks of very fine massive sulfides
- rock dark green
- <sup>total</sup> sulfides - up to 5%

**Assay:** Au - 100 ppb



**SAMPLE DESCRIPTION SHEET**

**Sample Number:** MP015

**Type:** grab

**Size:** 5 lbs.

**Rock Type:** mafic volcanic

**Description:** - silicified mafic volc.  
- sheared  
- 190 py.

**Assay:** Au - 30 ppb

---

**Sample Number:** MP016

**Type:** grab

**Size:** 5 lbs

**Rock Type:** ~~MP~~ Mafic volcanic

**Description:** - silicified, mod. sheared.  
- 190 py.

**Assay:** Au + 29  
Au - 7 ppb

**SAMPLE DESCRIPTION SHEET**

**Sample Number:** MP017

**Type:** Grab

**Size:** 6 lb.

**Rock Type:** quartz-eye felsic tuff.

**Description:**

- pale-green-grey.
- 1/4" qtz-eyes - bluish.
- Sheared
- strongly carb
- 2% f. grained py.

**Assay:** Au + 29 elements - see Assay Sheets

---

**Sample Number:** MP018

**Type:** grab

**Size:** 5 lbs

**Rock Type:** qtz-eye felsic tuff.

**Description:** same as MP017 except only 10% py.

**Assay:** Au + 29 elements - see Assay sheets

---

**SAMPLE DESCRIPTION SHEET**

**Sample Number:** MFO19

**Type:** grab.

**Size:** 6 lbs

**Rock Type:** - felsic tuff

**Description:** - clay fine grain - pale grey-green  
- very strongly carb  
- sheared  
- 17% py.

**Assay:** Au + 29 elements - see Assay sheets

**Sample Number:** MP020

**Type:** Grab

**Size:** 5 lbs

**Rock Type:** same as MFO19. - felsic tuff  
~~py in blocks up to 1/2"~~  
- py - 4-5%

**Description:** - same as MFO19 except the py is in blocks up to 1/4"  
- py - 1-2%

**Assay:** Au + 29 elements - See Attached Assay sheets

**SAMPLE DESCRIPTION SHEET**

**Sample Number:** M1021

**Type:** grab

**Size:** 6 lb

**Rock Type:** Felsic tuff

**Description:**

- strongly sheared felsic tuff.
- 20% calcium carbonate.
- 1% very fine-grained py.

**Assay:** Au + 29 elements

---

**Sample Number:** M1022

**Type:** grab.

**Size:**

**Rock Type:** ~~felsic tuff with quartz eyes~~ <sup>felsic</sup>  
- quartz-eye felsic tuff

**Description:**

- 1/2" qtz-eyes - bluish
- fine grain matrix.
- 2% py
- sericite - 2%

**Assay:** Au + 29 elements

---

**SAMPLE DESCRIPTION SHEET**

**Sample Number:** MP023

**Type:** grab

**Size:** 5 lbs

**Rock Type:** lapilli tuff

**Description:**

- coarse grained tuff
- very fine grained by 3 pass CP ~ 1%  
- strongly carb.
- poss. sericitized

**Assay:** Au + 29 elements

---

**Sample Number:** MP024

**Type:** grab

**Size:** 5 lbs

**Rock Type:** - argillitic seds.

**Description:**

- brownish colour
- fissile
- fine grained py.

**Assay:** Au + 29 elements

Best - 120 ppm Zn

**SAMPLE DESCRIPTION SHEET**

**Sample Number:** MP025

**Type:** grab.

**Size:** 5 lbs

**Rock Type:** lapilli tuff.

**Description:** - coarse - 1" lapilli fragments  
- < 1% py.  
- moderately carb.

**Assay:** fu + 29 elements

---

**Sample Number:** MP026

**Type:** grab

**Size:** 5 lbs

**Rock Type:** lapilli tuff

**Description:** same as MP025  
except no carbonatization

**Assay:** Au + 29 elements

**SAMPLE DESCRIPTION SHEET**

**Sample Number:** MFC27

**Type:** grab

**Size:** 5 lb.

**Rock Type:** lapilli tuff

**Description:** - coarse ~~lapilli~~ fragments  
- moderately carb.  
- trace carb.

**Assay:** Au + 29 elements

---

**Sample Number:** MFC28

**Type:** grab

**Size:** 5 lb

**Rock Type:** - felsic tuff.

**Description:** - fine grained -  
- strongly carb.  
- in contact with biotite schist  
- very fine grained py - 14%.

**Assay:** Au + 29 elements

---

**SAMPLE DESCRIPTION SHEET**

**Sample Number:** MP029

**Type:** grab

**Size:** 5lb

**Rock Type:** lapilli tuff

**Description:**

- 1" fragments
- moderately sheared
- strong carb.
- trace py.

**Assay:** Au + 29 elements

---

**Sample Number:** MP030

**Type:** grab

**Size:** 5lb

**Rock Type:** lapilli tuff

**Description:**

- ~~fine lapilli tuff~~
- coarse lapilli tuff
- strongly carb
- specks of pyrite

**Assay:** Au + 29 elements

---



**SAMPLE DESCRIPTION SHEET**

**Sample Number:** MP031

**Type:** grab

**Size:** 5 lb

**Rock Type:** felsic tuff

**Description:**

- fine grained
- mod sheared
- strong carb
- t.g. py.

**Assay:** fv + 29 elements

---

**Sample Number:** MP032

**Type:** grab

**Size:** 5 lb

**Rock Type:** lapilli tuff with carb. stringers

**Description:**

- coarse lapilli tuff with green carbonate stringers up to  $\frac{1}{2}$  wide
- trace to 1% py
- sheared.

**Assay:** Av + 29 elements

---

**SAMPLE DESCRIPTION SHEET**

**Sample Number:** MP033

**Type:** grab

**Size:** 61b

**Rock Type:** lapilli tuff

**Description:**

- coarse fragment - 1" - 1 1/2" diam.
- 60% carbonate.
- 10% py.

**Assay:** Au + 29 elements

---

**Sample Number:** MP034

**Type:** grab

**Size:** 51b

**Rock Type:** - sheared breccia - lapilli tuff

**Description:**

- strongly sheared & brecciated lapilli tuff.
- extremely fissile.
- strong carb.
- very f.g. py. - 10%

**Assay:** Au + 24 elements

**SAMPLE DESCRIPTION SHEET**

**Sample Number:** MP035

**Type:** grab.

**Size:** 5 lb

**Rock Type:** quartz-eye felsic tuff

**Description:**

- finegrained felsic tuff
- moderately sheared
- occasional black quartz-eyes ~~with~~
- 2% carb.
- < 1% py. - very fine grained.

**Assay:** Au + 29 elements

---

**Sample Number:** MP036

**Type:** grab

**Size:** 5 lb

**Rock Type:** quartz - carbonate vein.

**Description:**

- rusty with malachite staining
- py - 1%, possible galena
- vein 4" wide

**Assay:** Au + 29 elements  
rest - Ag - 12.4 ppm

**SAMPLE DESCRIPTION SHEET**

**Sample Number:** MF 037

**Type:** grab.

**Size:** 5 lb

**Rock Type:** pillow basalt

**Description:**

- pale green pillowed basalt.
- strongly carbonatized
- 1% py + cp.

**Assay:** Au + 24 elements

Best Assays      Na - 0.08%

Cu - 155 ppm      K - 0.01%

Zn - 113 ppm

Hg - 8 ppm

---

**Sample Number:** MP038

**Type:** grab

**Size:** 5 lb

**Rock Type:** felsic tuff.

**Description:**

- fine grained
- pervasively carbonatized
- weakly sheared.

**Assay:** Au + 24 elements

**SAMPLE DESCRIPTION SHEET**

**Sample Number:** MPC39

**Type:** grab

**Size:** 5 lb

**Rock Type:** quartz-yr felsic tuff.

**Description:**

- fine-grained - bluish ytz-crst.
- < 1% py - very fine-grained.
- 5% carbonate.

**Assay:** Au + 29 elements

---

**Sample Number:** MPC40

**Type:** grab

**Size:** 5 lb

**Rock Type:** felsic tuff

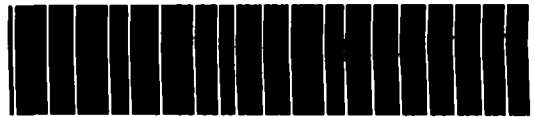
**Description:**

- very fine grained.
- 2-3% carb.
- < 1% f. grained py.

**Assay:** Au + 24 elements



Geochemical :



52F13SE0003 OP92-821 HAYCOCK

040

MR. MARK PERRAULT  
517 2ND STREET SOUTH  
KENORA, ONTARIO  
P9N 1G9

+ + + + +

**REPORT: 092-42706.0 ( COMPLETE )**
**REFERENCE:**
**CLIENT: MR. MARK PERRAULT  
PROJECT: NONE**
**SUBMITTED BY: M. PERRAULT  
DATE PRINTED: 12-NOV-92**

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au Gold	25	5 PPB	FIRE ASSAY	FIRE ASSAY @ 10 G
2	Al Aluminum	25	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
3	Fe Iron	25	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
4	Mn Manganese	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
5	Mg Magnesium	25	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
6	Ca Calcium	25	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
7	Na Sodium	25	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
8	K Potassium	25	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
9	Sc Scandium	25	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
10	V Vanadium	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
11	Cr Chromium	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
12	Co Cobalt	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
13	Ni Nickel	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
14	Cu Copper	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
15	As Arsenic	25	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
16	Sr Strontium	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
17	Y Yttrium	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
18	Mo Molybdenum	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
19	Ag Silver	25	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
20	Cd Cadmium	25	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
21	Sn Tin	25	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
22	Sb Antimony	25	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
23	Te Tellurium	25	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
24	Ba Barium	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
25	La Lanthanum	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
26	W Tungsten	25	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
27	Pb Lead	25	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
28	Bi Bismuth	25	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
29	Zn Zinc	25	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
30	Hg Mercury	25	5 PPB	HNO3-HCL-SNCL2	COLD VAPOR AA



# Geochemical Lab Report

# Inchcape Testing Services

REPORT: 092-42708.0 ( COMPLETE )

REFERENCE:

CLIENT: MR. MARK PERRAULT  
PROJECT: NONE

SUBMITTED BY: M. PERRAULT  
DATE PRINTED: 12-NOV-92

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK	25	-200	25	CRUSH, PULVERIZE	25

REPORT COPIES TO: 517 2ND STREET SOUTH  
FAX TO: MRS. PERRAULT

INVOICE TO: 517 2ND STREET SOUTH

Bondar-Clegg & Company Ltd.

5420 Canotek Road, Ottawa, Ontario, K1J 9G2, Canada

Tel: (613) 749-2220, Fax: (613) 749-7170





# Geochemical Lab Report

# Inchcape Testing Services

REPORT: 092-42708.0 ( COMPLETE )

DATE PRINTED: 12-NOV-92

PROJECT: NONE

PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Al PCT	Fe PCT	Mn PPM	Mg PCT	Ca PCT	Na PCT	K PCT	Sc PPM	V PPM	Cr PPM
NP016		7	2.68	1.62	303	0.61	2.77	0.27	0.28	♁	32	82
NP017		8	2.12	1.84	319	0.73	2.11	0.22	0.50	♁	31	91
NP018		♁	0.81	1.90	192	0.22	0.54	0.10	0.48	♁	22	76
NP019		14	1.58	2.43	372	0.80	1.33	0.17	0.97	♁	35	127
NP020		6	1.75	2.48	355	1.05	1.12	0.17	1.06	♁	29	112
NP021		7	1.11	2.26	236	0.72	0.82	0.11	0.54	♁	27	113
NP022		7	2.39	3.01	623	1.77	0.51	0.20	1.45	♁	47	103
NP023		11	1.43	2.41	574	0.94	3.19	0.12	0.71	♁	27	109
NP024		11	1.40	2.64	459	1.02	0.11	0.11	0.87	♁	45	150
NP025		11	1.96	2.48	517	1.69	1.47	0.12	1.35	♁	59	166
NP026		7	1.79	2.41	570	1.44	1.64	0.11	1.26	♁	45	113
NP027		6	0.47	0.76	168	0.23	0.54	0.12	0.32	♁	18	118
NP028		♁	2.10	2.98	823	1.71	2.20	0.12	1.57	♁	74	146
NP029		11	1.53	2.37	994	1.13	3.53	0.10	1.15	♁	54	108
NP030		♁	2.18	3.33	456	1.98	1.11	0.11	1.59	♁	80	97
NP031		8	1.25	1.91	252	0.72	1.11	0.15	0.90	♁	35	151
NP032		5	1.33	2.01	258	0.84	1.33	0.14	0.96	♁	37	127
NP033		7	1.85	3.04	724	1.24	1.76	0.14	1.19	♁	47	158
NP034		5	1.12	1.98	329	0.65	1.84	0.14	0.59	♁	19	148
NP035		8	1.43	2.15	531	0.87	1.43	0.14	0.91	♁	28	95
NP036		80	0.06	0.44	84	0.02	0.25	0.06	0.05	♁	<1	198
NP037		10	4.30	9.61	2066	3.14	5.85	0.08	0.01	6	162	83
NP038		6	0.37	0.35	113	0.05	1.24	0.13	0.14	♁	6	136
NP039		5	1.15	2.26	315	0.28	0.40	0.12	0.63	♁	25	124
NP040		5	2.24	3.73	607	2.08	2.77	0.13	0.14	6	70	118

REPORT: 092-42708.0 ( COMPLETE )

DATE PRINTED: 12-NOV-92

PROJECT: NONE

PAGE 18

SAMPLE NUMBER	ELEMENT UNITS	Co PPM	Ni PPM	Cu PPM	As PPM	Sr PPM	Y PPM	Mo PPM	Ag PPM	Cd PPM	Sn PPM	Sb PPM
NP016		12	35	103	<5	68	3	2	<0.2	0.8	<20	5
NP017		11	30	61	5	57	3	2	<0.2	0.8	<20	6
NP018		9	20	10	<5	34	5	<1	<0.2	<0.2	29	<5
NP019		14	21	16	<5	77	4	<1	<0.2	0.6	<20	<5
NP020		16	20	18	<5	77	4	<1	<0.2	1.1	<20	6
NP021		12	21	12	<5	46	4	1	0.2	0.9	<20	5
NP022		12	15	4	<5	44	4	<1	0.2	0.8	<20	9
NP023		12	18	50	<5	113	5	2	0.3	<0.2	21	6
NP024		13	33	35	<5	17	4	2	<0.2	0.4	<20	7
NP025		16	36	30	<5	112	3	1	0.3	<0.2	<20	8
NP026		15	41	22	<5	90	2	<1	<0.2	0.3	<20	7
NP027		5	9	11	<5	25	2	<1	<0.2	<0.2	<20	<5
NP028		25	81	30	<5	106	3	<1	0.3	<0.2	<20	9
NP029		14	34	16	<5	89	3	1	<0.2	<0.2	<20	6
NP030		25	78	28	<5	97	5	1	0.3	0.8	<20	8
NP031		13	21	39	12	101	3	2	<0.2	0.8	<20	<5
NP032		13	23	29	<5	101	3	<1	0.3	0.7	22	6
NP033		14	16	12	<5	39	3	1	<0.2	0.6	28	7
NP034		7	11	13	<5	64	3	2	<0.2	0.8	20	<5
NP035		11	18	6	<5	50	4	1	0.2	<0.2	<20	6
NP036		<1	2	8	<5	15	<1	9	12.4	<0.2	<20	<5
NP037		66	94	155	65	79	5	<1	0.8	1.7	<20	11
NP038		4	5	11	<5	59	2	1	<0.2	0.2	<20	<5
NP039		9	16	8	<5	26	3	<1	<0.2	0.5	<20	<5
NP040		20	24	35	<5	121	8	<1	<0.2	0.7	<20	10



# Geochemical Lab Report

Inchcape  
Testing  
Services

REPORT: 092-42706.0 ( COMPLETE )

DATE PRINTED: 12-NOV-92

PROJECT: NONE

PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	Te PPM	Ba PPM	La PPM	V PPM	Pb PPM	Bi PPM	Zn PPM	Hg PPB
NP016		<10	59	5	<20	20	<5	24	<5
NP017		<10	106	10	<20	17	<5	31	<5
NP018		<10	105	20	<20	15	<5	43	<5
NP019		<10	230	20	<20	19	<5	54	<5
NP020		<10	154	18	<20	20	<5	81	<5
NP021		<10	107	21	<20	17	<5	60	<5
NP022		<10	416	12	<20	27	6	78	<5
NP023		<10	397	18	<20	22	<5	70	<5
NP024		<10	154	14	<20	23	<5	120	<5
NP025		<10	282	12	<20	30	5	82	<5
NP026		<10	233	7	<20	21	6	72	<5
NP027		<10	44	7	<20	11	<5	48	16
NP028		<10	247	10	<20	23	6	91	8
NP029		<10	82	12	<20	18	<5	66	<5
NP030		<10	789	20	<20	23	<5	75	<5
NP031		<10	164	11	<20	16	<5	69	<5
NP032		<10	147	9	<20	17	<5	70	<5
NP033		<10	248	8	<20	19	5	64	<5
NP034		<10	111	13	<20	34	<5	57	<5
NP035		<10	147	15	<20	15	<5	60	<5
NP036		<10	16	<1	<20	27	68	9	<5
NP037		<10	9	7	<20	34	7	113	19
NP038		<10	60	11	<20	10	<5	15	<5
NP039		<10	129	14	<20	13	<5	89	<5
NP040		<10	53	16	<20	28	<5	72	<5

Bondar-Clegg & Company Ltd.

5420 Canotek Road, Ottawa, Ontario, K1J 9G2, Canada

Tel: (613) 749-2220, Fax: (613) 749-7170

REPORT: 092-42708.0 ( COMPLETE )

DATE PRINTED: 12-NOV-92

PROJECT: NONE

PAGE 2A

STANDARD NAME	ELEMENT UNITS	Au PPB	Al PCT	Fe PCT	Mn PPM	Mg PCT	Ca PCT	Na PCT	K PCT	Sc PPM	V PPM	Cr PPM
AL91-1		28	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-	-	-	-
Mean Value		28.0	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		25	-	-	-	-	-	-	-	-	-	-
GEO TRACE STD1(1989)		-	2.70	4.46	535	1.16	0.73	0.11	0.14	6	88	87
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1
Mean Value		-	2.696	4.463	535.3	1.162	0.731	0.112	0.143	6.0	88.2	86.7
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	2.75	4.50	450	1.21	0.76	0.06	0.12	-	85	100
ANALYTICAL BLANK		<5	<0.01	<0.01	<1	<0.01	<0.01	<0.01	<0.01	<5	<1	<1
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1
Mean Value		2.5	0.005	0.005	0.5	0.005	0.005	0.005	0.005	2.5	0.5	0.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		5	<0.01	0.05	1	<0.01	<0.01	<0.01	<0.01	<1	1	1

REPORT: 092-42708.0 ( COMPLETE )

DATE PRINTED: 12-NOV-92

PROJECT: NONE

PAGE 28

STANDARD NAME	ELEMENT UNITS	Co PPM	Ni PPM	Cu PPM	As PPM	Sr PPM	Y PPM	Mo PPM	Ag PPM	Cd PPM	Sn PPM	Sb PPM
AU91-1		-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-
GEO TRACE STD1(1989)		11	15	177	<5	60	5	17	27.0	0.2	<20	9
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1
Mean Value		10.5	14.9	177.4	2.5	59.9	4.9	17.0	26.96	0.25	10.0	9.4
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		7	15	190	8	63	10	17	34.0	0.2	5	7
ANALYTICAL BLANK		<1	<1	<1	<5	<1	<1	<1	<0.2	<0.2	<20	<5
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1
Mean Value		0.5	0.5	0.5	2.5	0.5	0.5	0.5	0.10	0.10	10.0	2.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		1	1	1	5	<1	<1	1	0.2	1.0	<1	5



Geochemical Lab Report

Inchcape  
Testing  
Services

REPORT: 092-42708.0 ( COMPLETE )

DATE PRINTED: 12-NOV-92

PROJECT: NONE

PAGE 2C

STANDARD NAME	ELEMENT UNITS	Te PPM	Ba PPM	La PPM	V PPM	Pb PPM	Bi PPM	Zn PPM	Hg PPM
AU91-1		-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-
GEO TRACE STD1(1989)		<10	71	5	<20	20	<5	61	21
Number of Analyses		1	1	1	1	1	1	1	1
Mean Value		5.0	71.1	5.0	10.0	20.0	2.5	60.7	21.0
Standard Deviation		-	-	-	-	-	-	-	-
Accepted Value		-	74	4	2	15	1	62	30
ANALYTICAL BLANK		<10	<1	<1	<20	<2	<5	<1	<5
Number of Analyses		1	1	1	1	1	1	1	1
Mean Value		5.0	0.5	0.5	10.0	1.0	2.5	0.5	2.5
Standard Deviation		-	-	-	-	-	-	-	-
Accepted Value		<1	<1	<1	<1	2	2	1	5

REPORT: 092-42706.0 ( COMPLETE )

DATE PRINTED: 12-NOV-92

PROJECT: NONE

PAGE 3A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Al PCT	Fe PCT	Mn PPM	Mg PCT	Ca PCT	Na PCT	K PCT	Sc PPM	V PPM	Cr PPM
HP024		11	1.40	2.64	459	1.02	0.11	0.11	0.87	<5	45	150
Duplicate		9	1.20	2.24	390	0.86	0.09	0.10	0.75	<5	38	129
HP026		7	1.79	2.41	570	1.44	1.64	0.11	1.26	<5	45	113
Prep Duplicate		<5	1.81	2.41	562	1.40	1.64	0.13	1.24	<5	46	145
HP040		5	2.24	3.73	607	2.08	2.77	0.13	0.14	6	70	118
Duplicate			2.22	3.71	604	2.07	2.75	0.11	0.14	6	70	116
Prep Duplicate		<5	1.81	2.41	562	1.40	1.64	0.13	1.24	<5	46	145
Duplicate												

--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--

REPORT: 092-42706.0 ( COMPLETE )

DATE PRINTED: 12-NOV-92

PROJECT: NONE

PAGE 38

SAMPLE NUMBER	ELEMENT UNITS	Co PPM	Ni PPM	Cu PPM	As PPM	Sr PPM	Y PPM	Mo PPM	Ag PPM	Cd PPM	Sn PPM	Sb PPM
HP024		13	33	35	<5	17	4	2	<0.2	0.4	<20	7
Duplicate		11	29	30	8	14	3	<1	<0.2	<0.2	<20	6
HP026		15	41	22	<5	90	2	<1	<0.2	0.3	<20	7
Prep Duplicate		15	40	22	16	101	2	<1	<0.2	0.2	<20	7
HP040		20	24	35	<5	121	8	<1	<0.2	0.7	<20	10
Duplicate		19	24	36	<5	119	8	2	<0.2	<0.2	<20	8
Prep Duplicate		15	40	22	16	101	2	<1	<0.2	0.2	<20	7
Duplicate												



REPORT: 092-42708.0 ( COMPLETE )

DATE PRINTED: 12-NOV-92

PROJECT: NONE

PAGE 3C

SAMPLE NUMBER	ELEMENT UNITS	Te PPM	Ba PPM	La PPM	V PPM	Pb PPM	Bi PPM	Zn PPM	Hg PPM
NP024		<10	154	14	<20	23	<5	120	<5
Duplicate		<10	131	12	<20	17	<5	101	<5
NP026		<10	233	7	<20	21	6	72	<5
Prep Duplicate		<10	230	8	<20	19	<5	69	<5
NP040		<10	53	16	<20	28	<5	72	<5
Duplicate		<10	52	16	<20	27	5	72	
Prep Duplicate		<10	230	8	<20	19	<5	69	<5
Duplicate									<5

REPORT: 092-42708.0 ( COMPLETE )

DATE PRINTED: 12-NOV-92

PROJECT: NONE

PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Al PCT	Fe PCT	Mn PPM	Mg PCT	Ca PCT	Na PCT	K PCT	Sc PPM	V PPM	Cr PPM
NP016		7	2.68	1.62	303	0.61	2.77	0.27	0.28	<5	32	82
NP017		8	2.12	1.84	319	0.73	2.11	0.22	0.50	<5	31	91
NP018		<5	0.81	1.90	192	0.22	0.54	0.10	0.48	<5	22	76
NP019		14	1.58	2.43	372	0.80	1.33	0.17	0.97	<5	35	127
NP020		6	1.75	2.48	355	1.05	1.12	0.17	1.06	<5	29	112
NP021		7	1.11	2.26	236	0.72	0.82	0.11	0.54	<5	27	113
NP022		7	2.39	3.01	623	1.77	0.51	0.20	1.45	<5	47	103
NP023		11	1.43	2.41	574	0.94	3.19	0.12	0.71	<5	27	109
NP024		11	1.40	2.64	459	1.02	0.11	0.11	0.87	<5	45	150
NP025		11	1.96	2.48	517	1.69	1.47	0.12	1.35	<5	59	166
NP026		7	1.79	2.41	570	1.44	1.64	0.11	1.26	<5	45	113
NP027		6	0.47	0.76	168	0.23	0.54	0.12	0.32	<5	18	118
NP028		<5	2.10	2.98	823	1.71	2.20	0.12	1.57	<5	74	146
NP029		11	1.53	2.37	994	1.13	3.53	0.10	1.15	<5	54	108
NP030		<5	2.18	3.33	456	1.98	1.11	0.11	1.59	<5	80	97
NP031		8	1.25	1.91	252	0.72	1.11	0.15	0.90	<5	35	151
NP032		5	1.33	2.01	258	0.84	1.33	0.14	0.96	<5	37	127
NP033		7	1.85	3.04	724	1.24	1.76	0.14	1.19	<5	47	158
NP034		5	1.12	1.98	329	0.65	1.84	0.14	0.59	<5	19	148
NP035		8	1.43	2.15	531	0.87	1.43	0.14	0.91	<5	28	95
NP036		80	0.06	0.44	84	0.02	0.25	0.06	0.05	<5	<1	198
NP037		10	4.30	9.61	2066	3.14	5.85	0.08	0.01	6	162	83
NP038		6	0.37	0.35	113	0.05	1.24	0.13	0.14	<5	6	136
NP039		5	1.15	2.26	315	0.28	0.40	0.12	0.63	<5	25	124
NP040		5	2.24	3.73	607	2.08	2.77	0.13	0.14	6	70	118

RECEIVED ON August 21, 1992

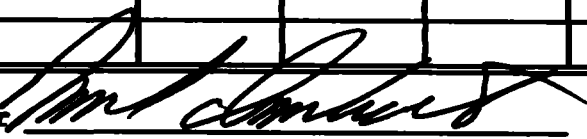
FROM Mr. Mark Perrault

**ASSAY OF 15 SAMPLE(S) Rocks**

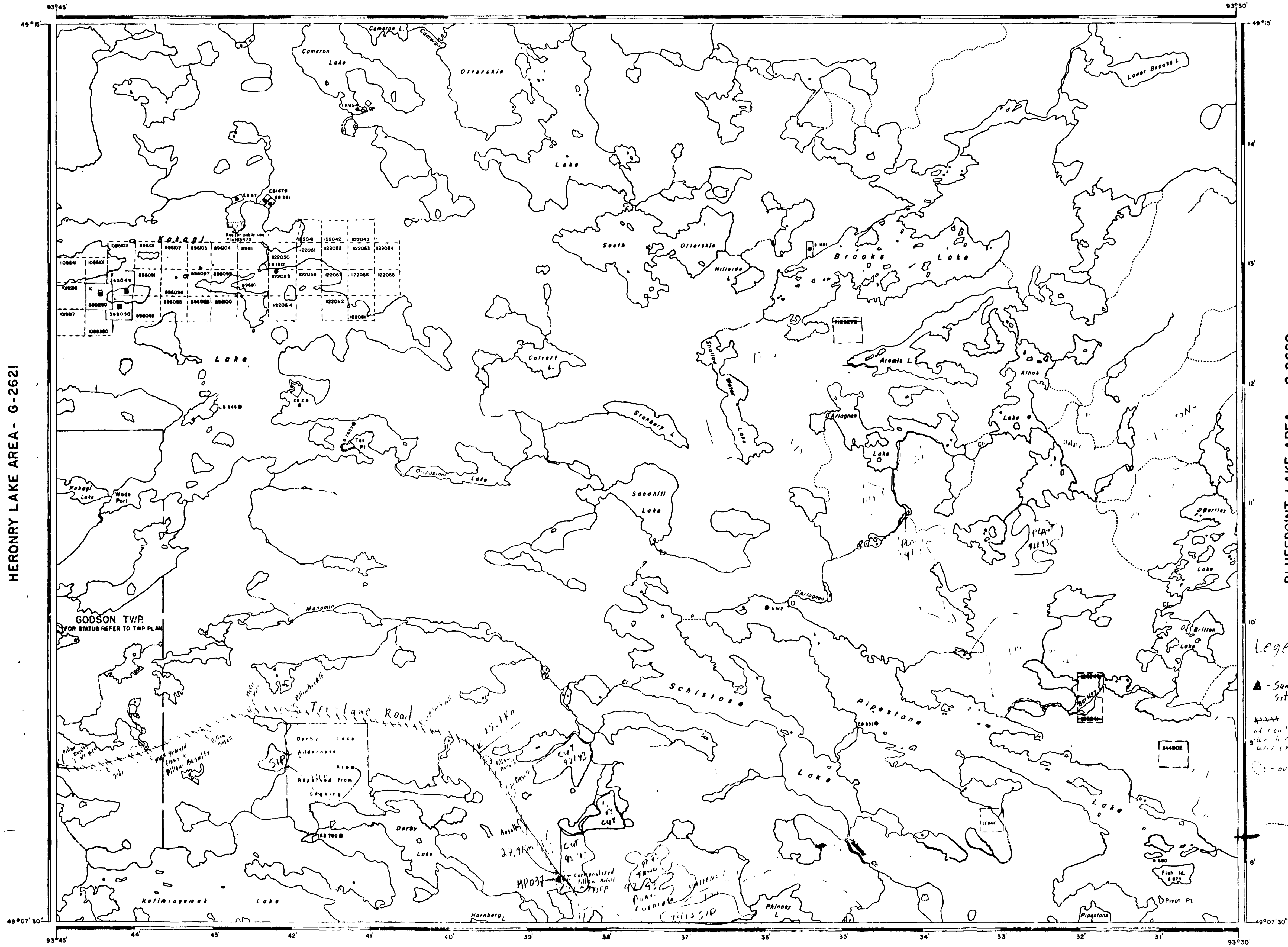
Attention:

Page 1 of 1

Laboratory Number	Marks on Sample	Au							
		ppb							
N - 1070	MP 001	NIL							
N - 1071	MP 002	NIL							
N - 1072	MP 003	30							
N - 1073	MP 004	1540							
N - 1074	MP 005	100							
N - 1075	MP 006	70							
N - 1076	MP 007	30							
N - 1077	MP 008	30							
N - 1078	MP 009	30							
N - 1079	MP 010	30							
N - 1080	MP 011	30							
N - 1081	MP 012	100							
N - 1082	MP 013	70							
N - 1083	MP 014	100							
N - 1084	MP 015	30							



ROWAN LAKE AREA- G-2696



HERONRY LAKE AREA - G-2621

BLUFFPOINT LAKE AREA - G-2669

DASH LAKE - G-2671

LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES, ETC
  - LOTS, MINING CLAIMS, PARCELS, ETC
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT
- TOURIST CAMPS (OP - OUTPOST)

DISPOSITION OF CROWN LANDS

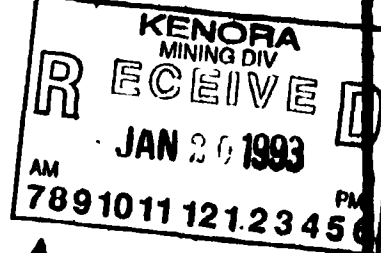
TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER-IN-COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1912, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1918, CHAP. 280, SEC. 68, SUBSEC. 1

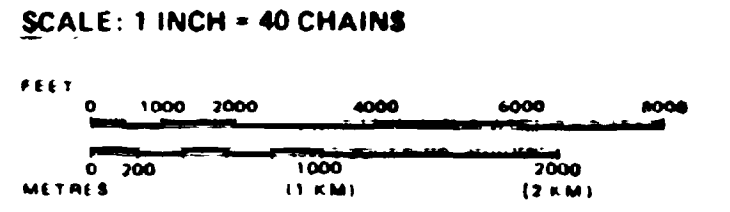
REFERENCES

/ REAS WITHDRAWN FROM DISPOSITION

Description	Order No.	Date	Disposition	File
M.R.O. - MINING RIGHTS ONLY				
S.R.O. - SURFACE RIGHTS ONLY				
M.S. - MINING AND SURFACE RIGHTS				



THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.



AREA  
**BROOKS LAKE**  
 M.N.R. ADMINISTRATIVE DISTRICT  
**FORT FRANCES**  
 MINING DIVISION  
**KENORA**  
 LAND TITLES / REGISTRY DIVISION  
**KENORA**

Ministry of Natural Resources  
 Land Management Resources Branch  
 Ontario

Date: MARCH, 1984  
 Number: **G-2670**

Legend  
 ▲ - Sample site  
 --- section of road above  
 --- section of road below  
 --- section of road  
 --- section of road

THE TOWNSHIP OF

# HAYCOCK

DISTRICT OF KENORA

KENORA MINING DIVISION

SCALE 1-INCH 40 CHAIN

## LEGEND

- PATENTED LAND
- CROWN LAND SALE
- LEASES
- LOCATED LAND
- LICENSE OF OCCUPATION
- MINING RIGHTS ONLY
- SURFACE RIGHTS ONLY
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUSKEG
- MINES
- CANCELLED
- SURFACE RIGHTS PERMIT

## NOTES

400' Reserve around all lake & rivers to Dept of Lands & Forests

Surface Rights withdrawn from staking job 3 Sec (d) Mg Act shown thus File 634

App. 11/15/73 from staking job 3

3 1/2 Miles from R.S.O. 1973

Order No. 1111 D 1111 Disposal

11/15/73 11/15/73 11/15/73

Pending Application Plans Open Line Bill

11-1-00-00 April 7, 1988

RECEIVED MAR 24 1992

MINING DIVISION

SEP 27 1985

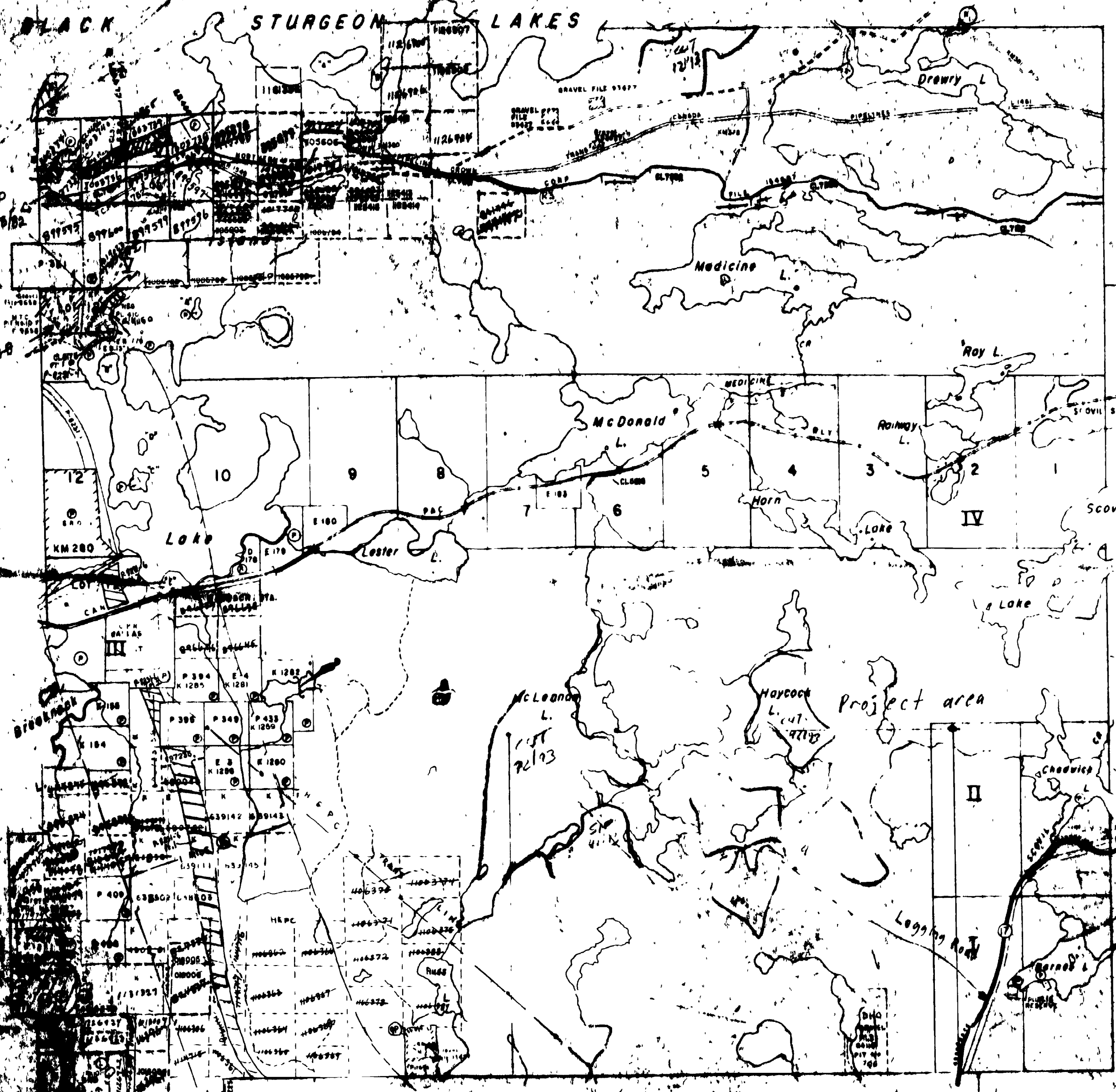
THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

PLAN No. 11-1987

MINISTRY OF NATURAL RESOURCES

SURVEY BRANCH

# PETTYPIEGE



**NOTES**

1000' wide rights reservation along the shores of all lakes and rivers.  
 Flooding rights reserved to 1004 feet above mean sea level on all lands bordering on Long Bay

**RESERVES**

- ① reserved for public use, 25 Nov '46 file 114076
- ② reserved for public use file 77094 v 5

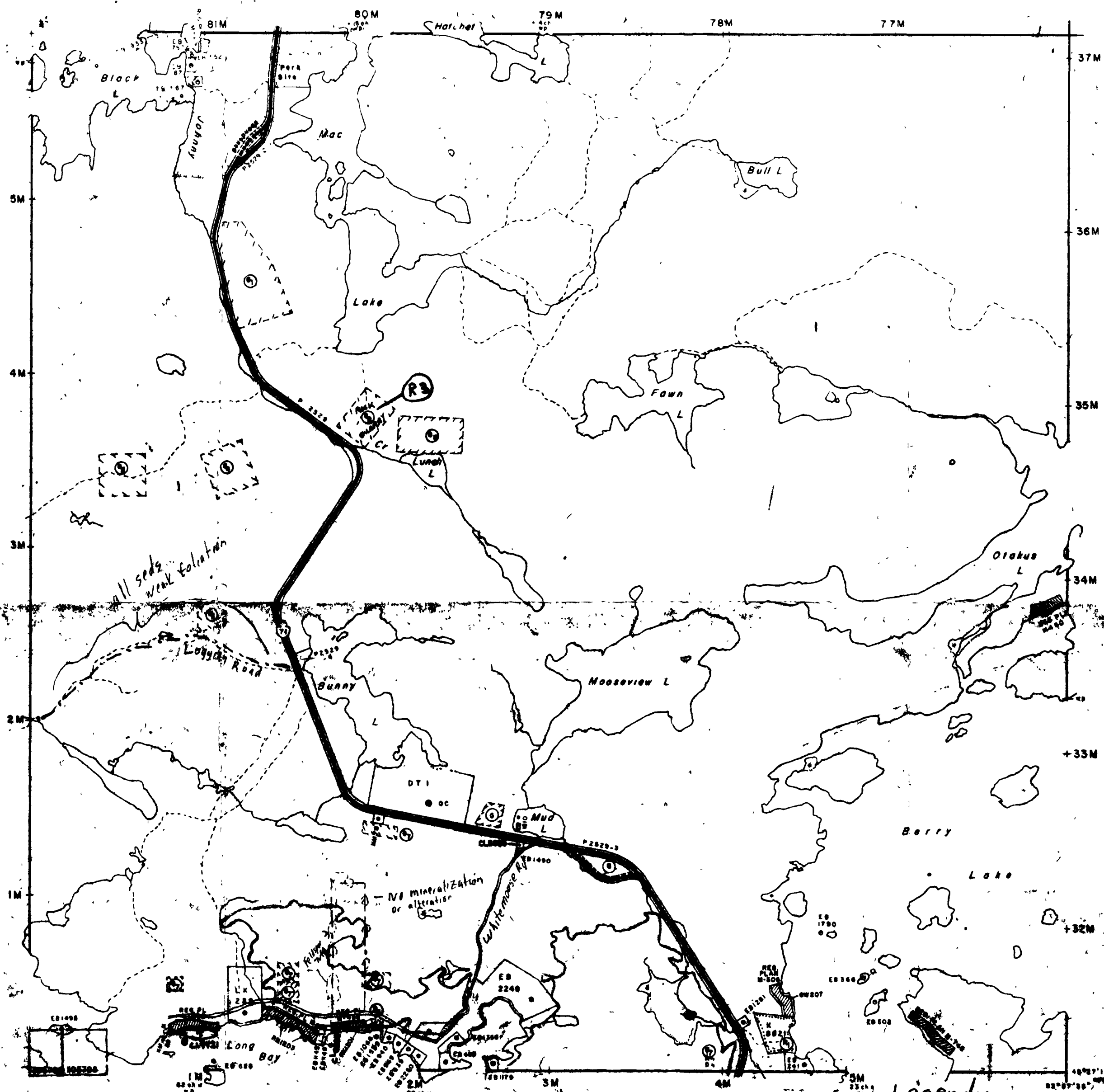
*R3 4/1/02 March 91 S+MR*

**SAND and GRAVEL**

- ① QUARRY PERMIT
- ② M.T.C. Gravel Pit 263
- ③ " " " 1770
- ④ " " " 1771
- ⑤ Gravel Pit 1756
- ⑥ Gravel file 155928
- ⑦ M.T.C. Pit No. 10-2, File 158928

G 1343  
MACQUARRIE Tp. M-2074

G 1360  
WORK Tp. M-1657



G 2614  
DRYBERRY LAKE M-2699

G 2627  
LOBSTICK BAY M-2635

G 1359  
WILLINGDON Tp. M-2060

Legend

Traverse  
Outcrop

**LEGEND** Figure 7

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
- TOWNSHIP, BASE LINES ETC.
- LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES
- LOT LINES
- PARCEL BOUNDARY
- MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES

**DISPOSITION OF CROWN LANDS**

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
SURFACE RIGHTS ONLY	○
MINING RIGHTS ONLY	○
LEASE, SURFACE & MINING RIGHTS	○
SURFACE RIGHTS ONLY	○
MINING RIGHTS ONLY	○
LICENCE OF OCCUPATION	○
CROWN LAND SALE	○
ORDER-IN-COUNCIL RESERVATION	○
CANCELLED SAND & GRAVEL	○

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. SHOULD YOU BE INTERESTED IN PURSUING CLAIMS, YOU SHOULD CONSULT WITH THE MINING RECORDS, MINISTRY OF NORTH-WEST DEVELOPMENT.

SCALE: 1 inch = 4000 feet  
 METERS: 0 100 200 300 400

ACRES	HECTARES
40	10

TOWNSHIP  
**DEVONSHIRE**  
 DISTRICT

KENORA MINING DIV.  
 MINING DIVISION **RECEIVED**  
 KENORA JAN 13 1993  
 7891011 12123456

**Ministry of Natural Resources**  
 Ontario Surveys and Mapping Branch

Whitney Block  
 Queen's Park, Toronto  
**M-1966**  
 G-1329

KENORA MINING DIV.  
**RECEIVED**  
 JAN 16 1994  
 7891011 12123456



NOTES

Surface rights reservation along the shores of these and other

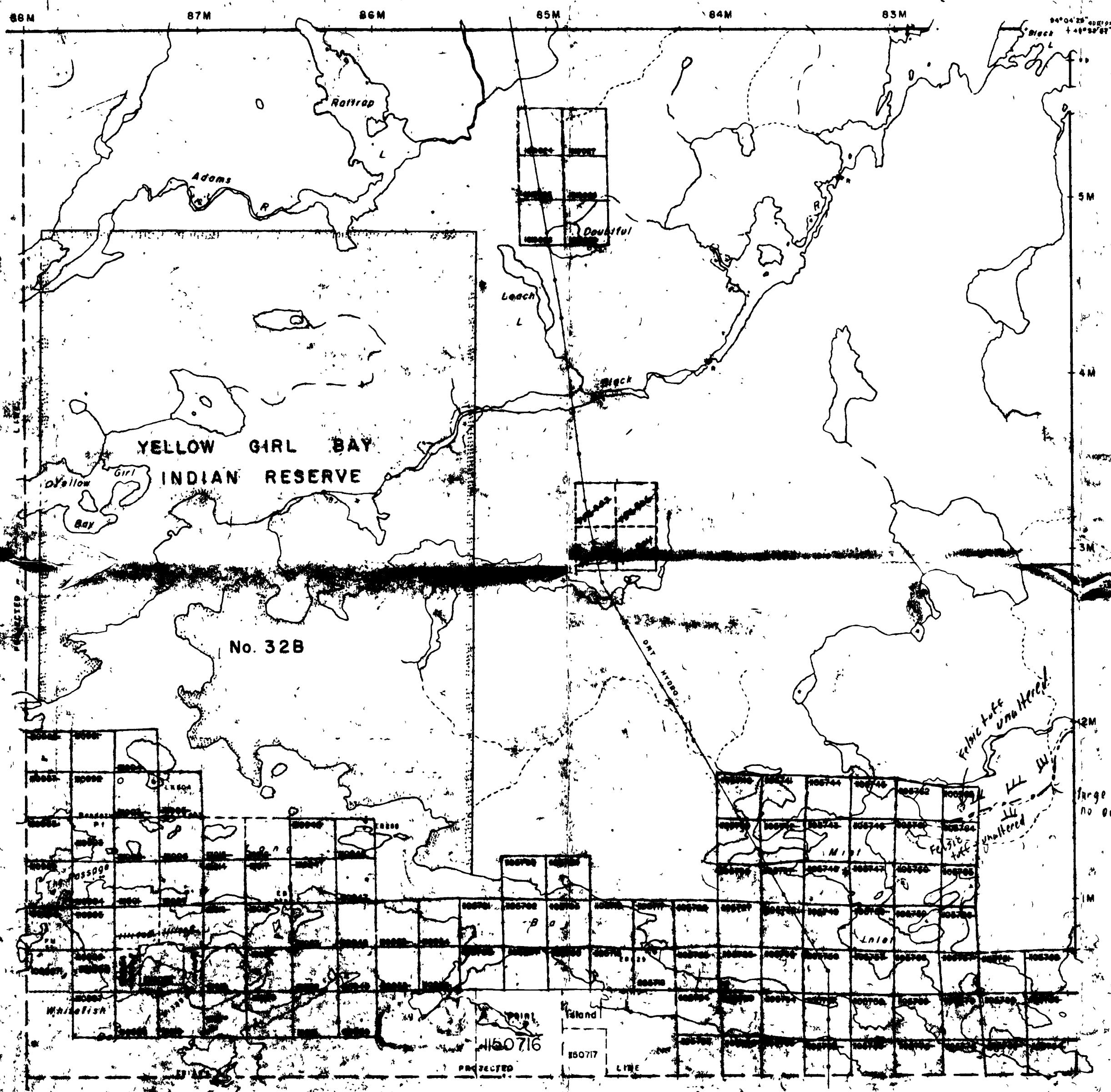
Mining rights reserved in 1964 and 1965 on all lands bordering Yellow Bay

G 1326  
CODE Tp. M. 1962

G 2636  
WHITEFISH BAY M. 2338

G 2604  
LONG POINT ISLAND M. 2637

G 1329  
DEVONSHIRE Tp. M. 1966



LEGEND

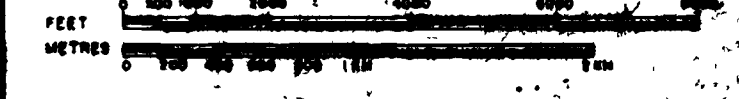
- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
SURFACE RIGHTS ONLY	
MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
SURFACE RIGHTS ONLY	
MINING RIGHTS ONLY	
LICENSE OF OCCUPATION	
CROWN LAND SALE	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE WHO WISH TO STAKE MINING CLAIMS SHOULD CONSULT THE APPROPRIATE AGENCIES.

SCALE: 1 INCH = 40 CHAINS

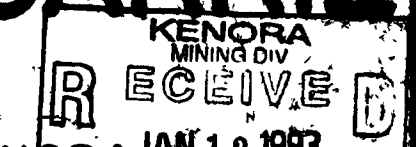


ACRES	HECTARES
40	16

TOWNSHIP

MacQUARRIE

DISTRICT



MINING DIVISION

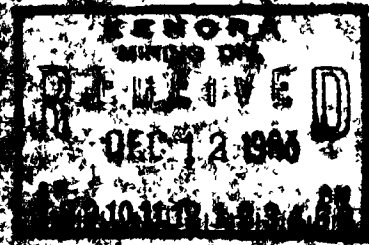
7891011 121 23 458

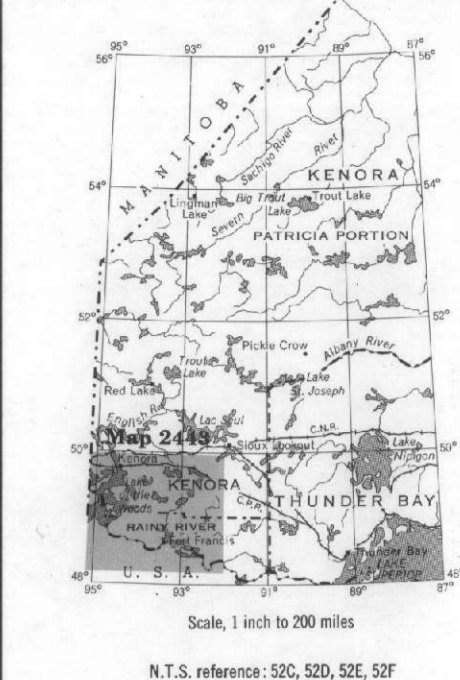
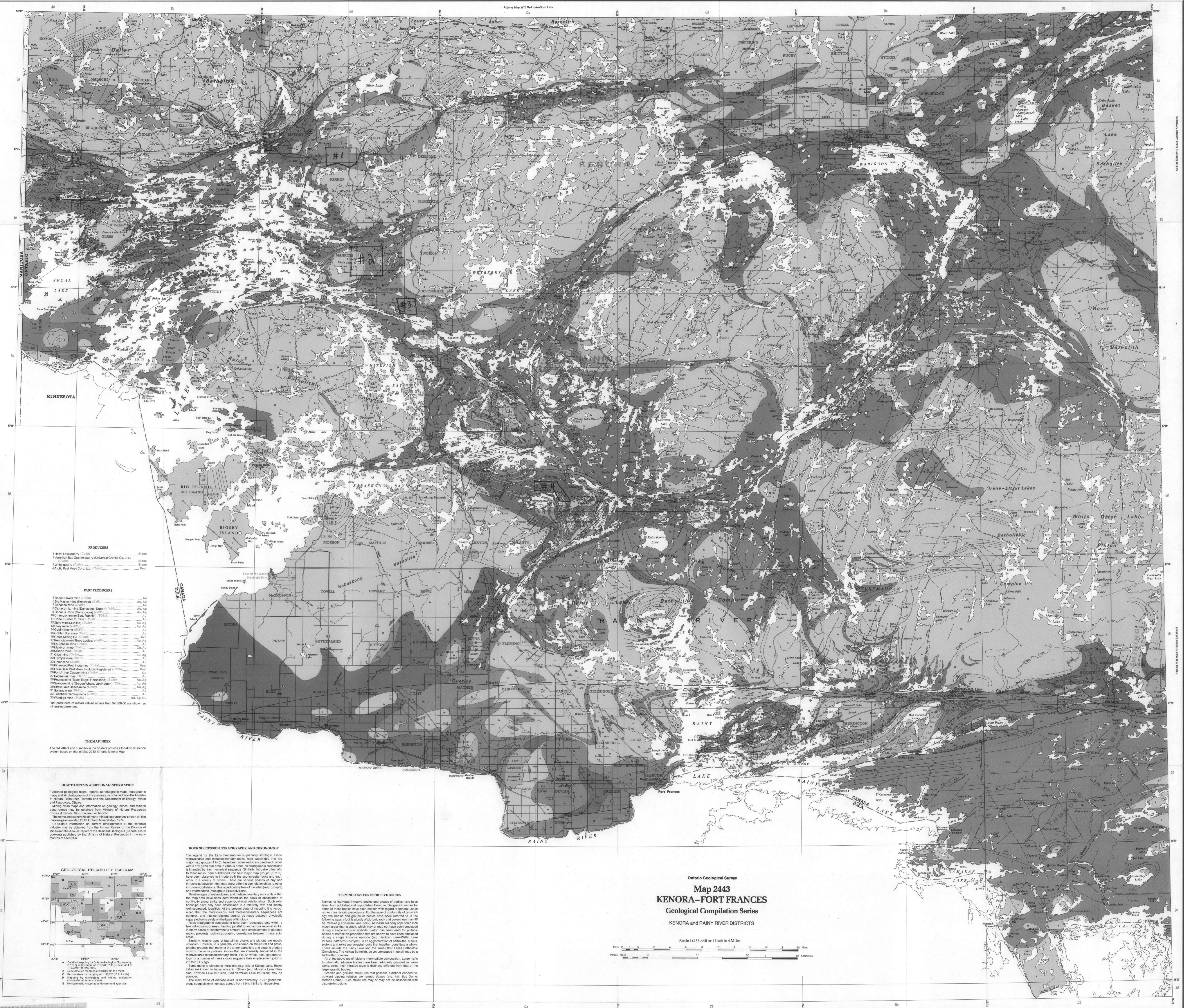
KENORA

Ministry of Natural Resources  
Ontario  
Surveys and Mapping Branch

Plan No. M. 2074

G-1343



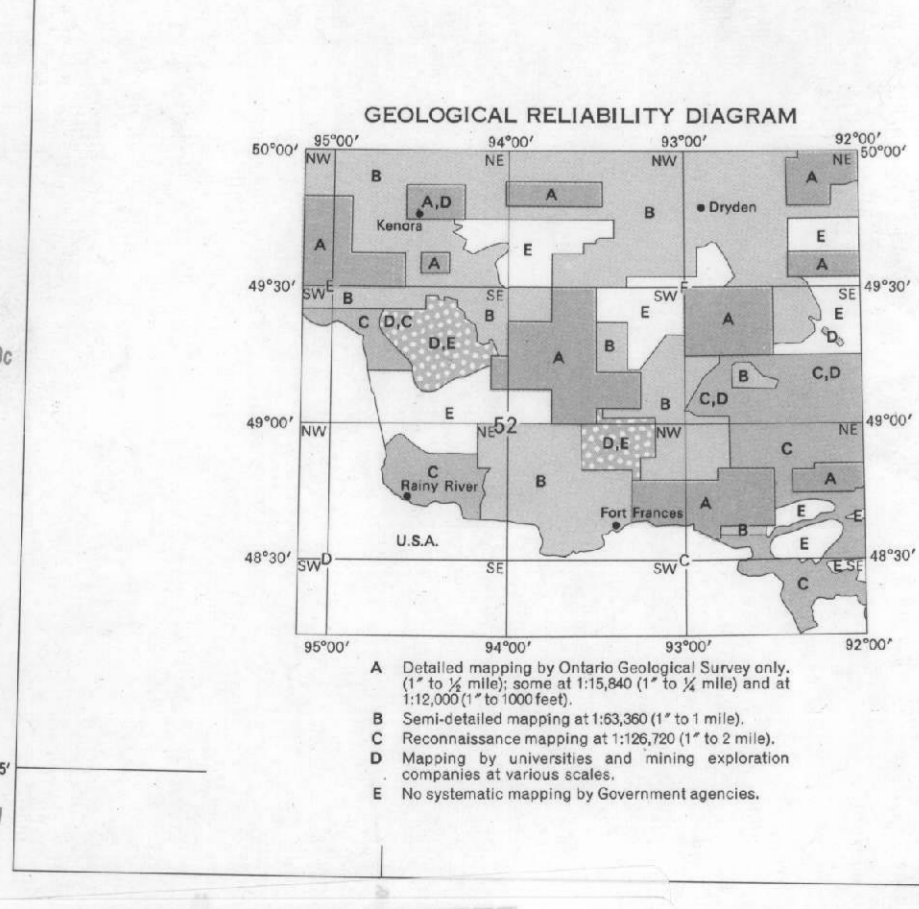


LEGEND
PHANEROZOIC
CENOZOIC
QUATERNARY
PLEISTOCENE AND RECENT
PRECAMBRIAN
MIDDLE TO LATE PRECAMBRIAN
MAFIC INTRUSIVE ROCKS
EARLY PRECAMBRIAN
FELSIC AND INTERMEDIATE INTRUSIVE ROCKS
METAMORPHIC AND ULTRAMAFIC INTRUSIVE ROCKS
METASEDIMENTS
CLASTIC METASEDIMENTS
METACLASTICS
FELSIC TO INTERMEDIATE METACLASTICS
MAFIC METACLASTICS

PRODUCERS
1 Heaton Lake quarry (Universal Granite Co. Ltd.)
2 Vernon Bay Granite quarry (Universal Granite Co. Ltd.)
3 White quarry (A/S)
4 Arctic Near West Corp. Ltd. (A/S)

THE MAP INDEX
The red letters and numbers in the borders provide a location reference system based on that of Map 2310, Ontario Mineral Map.

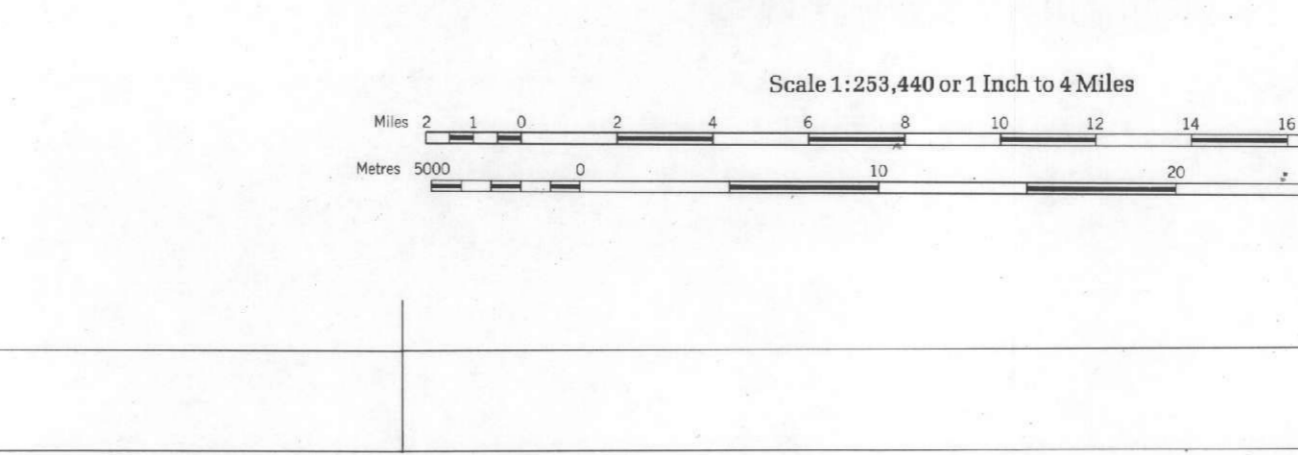
HOW TO OBTAIN ADDITIONAL INFORMATION
Published geological maps, reports, aeromagnetic maps, topographic maps and all other maps are available from the Ministry of Natural Resources, Toronto and the Department of Energy, Mines and Technical Surveys, Ottawa.



ROCK SUCCESSION, STRATIGRAPHY, AND CHRONOLOGY
The legend for the Batholite is primarily stratigraphic. Since metamorphic and metasedimentary rocks have been subdivided into four major groups (1 to 4), they have been placed in various orders of stratigraphic succession.

TERMINOLOGY FOR INTRUSIVE BODIES
Names for individual intrusive bodies and groups of bodies have been taken from published and unpublished literature. Generally, names for some of these bodies have been chosen with regard to general shape.

Ontario Geological Survey
Map 2443
KENORA-FORT FRANCES
Geological Compilation Series
KENORA AND RAINY RIVER DISTRICTS



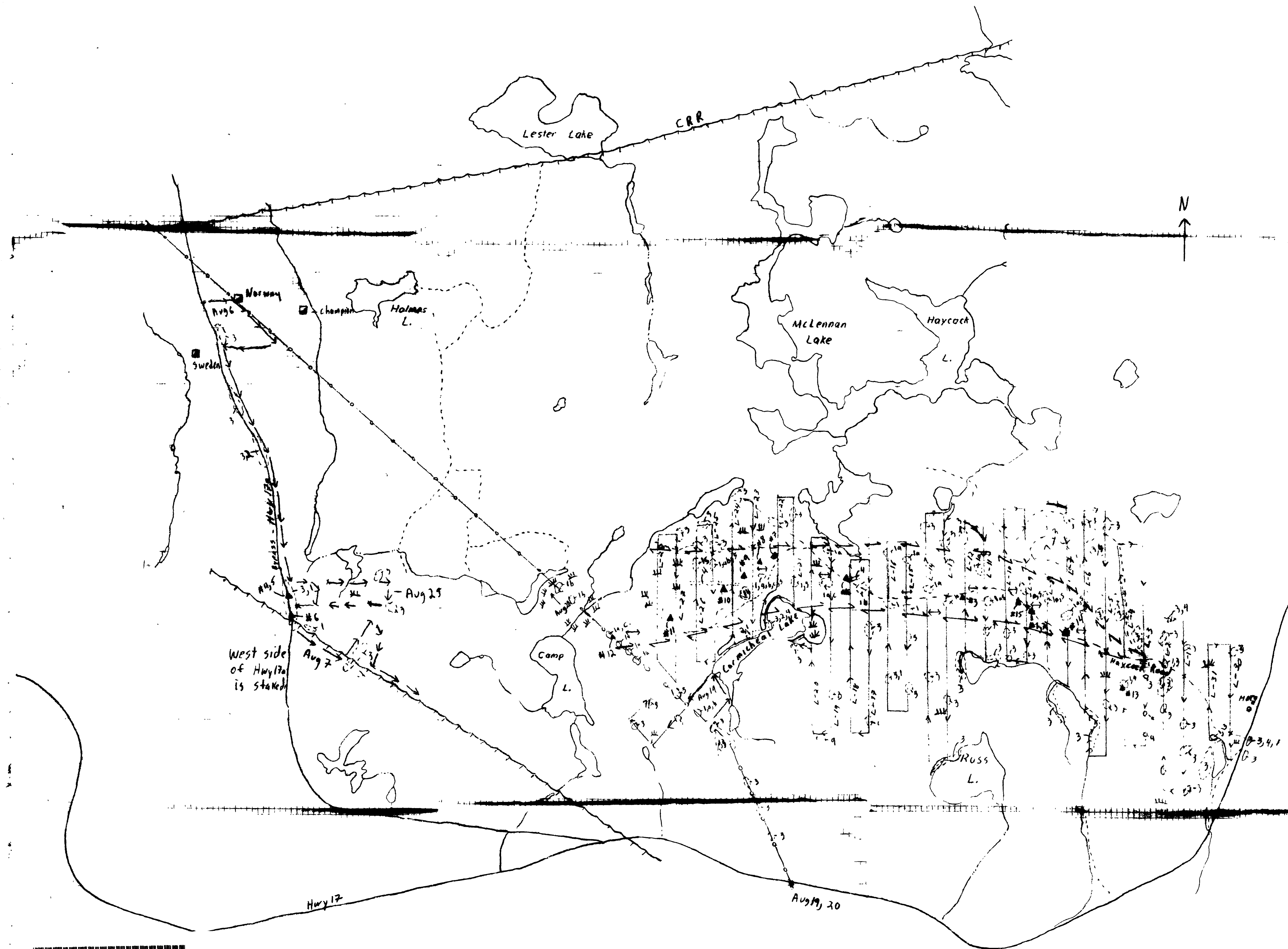
SYMBOLS
Geological boundary position
Fault
Lineament
Artificial axis with plunges
Synclinal axis with plunges
Antiformal axis with plunges
Sporadic axis with plunges
Foliation trend lines
Mina
Railway with station or flagstop
Provincial highway
Motor road
Other road
Aircraft landing facilities
Larger community
Smaller community
Producer
Fuel producer
Mines occurrence
Regional Geologist's office, Regional Mining Recorder's office, Kenora
Mining Division boundary
International boundary
Interprovincial boundary
District boundary
Township boundary
Township boundary, unsurveyed
Surveyed line

METAL AND MINERAL REFERENCE
Ag - Silver
Au - Gold
As - Arsenic
Ba - Barium
Bi - Bismuth
Br - Bromine
Ca - Calcium
Cd - Cadmium
Co - Cobalt
Cu - Copper
Fe - Iron
Fl - Fluorine
G - Garnet
H - Halite
M - Manganese
Ni - Nickel
P - Phosphate
Pt - Platinum
S - Sulfur
U - Uranium
Zn - Zinc



Figure 1.  
Haycock Road Project

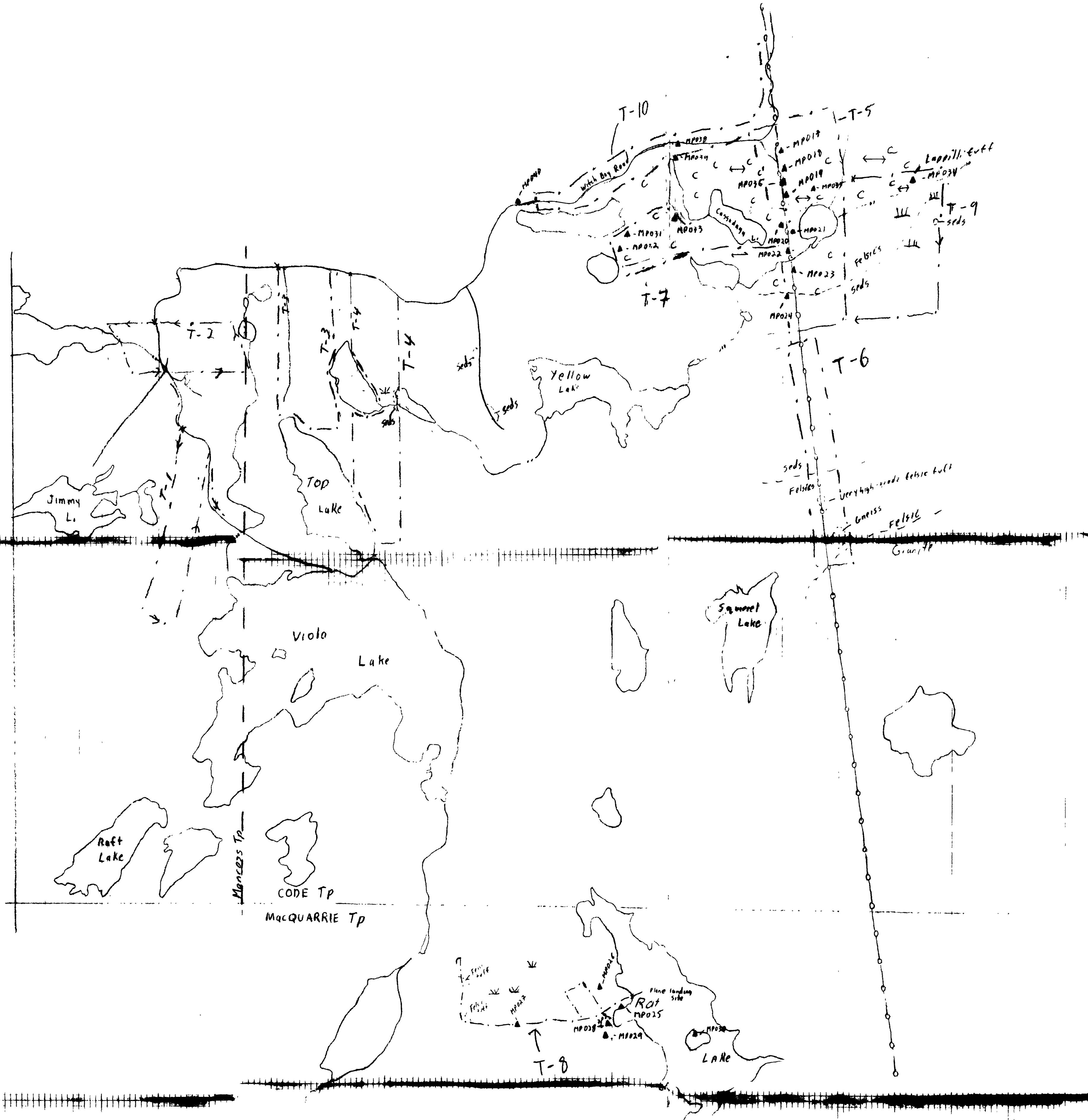
- 4 - felsic dykes
  - 3 - granites, diorites
  - 2 - gabbro
  - 1 - la - mafic flow
    - a - alluvial deposit
    - c - carbonated
    - s - silicified
  - ← - shearing
  - py - pyrite
  - po - pyrrhotite
  - ▲ #1,2 - sample site MP001, MP002
  - \* - starting point
  - - pace and compass line
  - ↘ - arrow indicates direction walked
  - - hydroline - single
  - - hydroline - double line
  - - road
  - - swamp
  - ↔ - shear zone
- Scale - 1" to 1/4 mile



All Ground unstaked unless shown.

Figure 2.

Viola Lake - Witch Bay Road



▲ - Sample site

--- T-2 - Traverse

C C - Carbonatization

↔ - Shearing

— - stream

W - Swamp

Scale 1" = 1/4 mile

1/4 mile 0 1/4 1/2 mile

