



52J04SW2001 2.19351 DRAYTON

010

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# OPAP98 Final Report

Drayton Township Gold Prospect



2.19351

by  
*Alex Glatz*

*January 8, 1999*



52J04SW2001 2.19351 DRAYTON

010C

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**OPAP98 - 042 Final Report** Project #3

Drayton Twp. Au Prospect

**Name:** Drayton Project

**Location:** Lot 4 and 5, Conc. IV, Drayton Twp., Patricia Mining Division. Approximately 10 km ESE of the Town of Sioux Lookout. NTS 52J/SW, Latitude: 50\*02.67', Longitude: 91\*46.22'

**Present Claims:** 1216505 (12 units), 1166823 (16 units), 1166824 (12 units), 1166822 (8 units). Total: 48 units.

**Claim Holders:** Alex Glatz and Ivar Riives

**Access:** From Sioux Lookout, a road leads east to Superior Junction and Alcona. From Alcona a secondary road leads into the claims south of Mullen Lake. The showing is located 600 metre south of a boat landing on a small bay of Minnitaki Lake. An ATV trail to the showing has been established by the present claim holders. More recently, a trail was located through the cut-over from the north-east for backhoe access.

**History:** Three old patented claims, K264, K171 and K265 are located just east of a small bay of Minnitaki Lake. No records of any work can be found in the MNDM files in Sioux Lookout and the existence of a shaft on these lands was unknown until one was unexpectedly located on K171 in June of 1998.

Shortly after, I. Riives and A. Glatz of Dryden staked the ground.

**Geology:** The general area is underlain by volcanic rocks, ranging from basalt to andesite. In the area of the shaft the sequence has been intruded by a medium to coarse grained felsic rock. Unaltered parts resemble a feldspar porphyry, but the high degree of alteration makes the identification of the original rock type difficult, some sections resemble an altered diorite. Some of the dump material looks like pink feldspar and could indicate that some of the original rock was syenite. Narrow quartz veins form a stock work within which the rock is altered by silicification,

carbonation and the presence of large cubes of pyrite. The higher gold values occur within the pyrite concentrations. The zone has been stripped for over 300 ft. along strike and runs under overburden at both ends.

**Old Workings:** One shaft and numerous trenches were sunk in a medium grained acidic rock. The work would seem to be more than 80 years old as large spruce trees grow on top of the excavated material.

**New Workings done under 1998 OPAP funding:**

The newly discovered shaft was secured by stringing heavy steel wire around the edges and the depth of 25 metres was determined with a fishing line. Manual stripping was done by the claim holders to expose material for sampling. Preliminary sampling results were very encouraging. Two samples ran more than one ounce gold per ton and unmineralized and unaltered quartz diorite gave elevated gold values on assay. This prompted the staking of more claims. The extended claim group covers a Cu/Au showing three kilometres WSW of the shaft on an island in Minnitaki Lake. The copper showing consists of two pits with chalcopyrite in altered, brecciated rocks of intermediate composition within a larger felsic intrusion of what appears to be quartz-diorite and related rocks. Samples shipped for assaying yielded up to three percent copper and 13,852 ppb gold.

On August 28/98 a backhoe (Link Belt 2800 excavator) was hired to expose the alteration-zone on both sides of the shaft. A power pump was used to wash-off the 300 ft.+ exposure. Eight 2 m chip samples were taken along the stripped area. In places the mineralized zone is 25 ft. wide.

Part of the dump material is composed of altered rock, heavily mineralized with cubes of pyrite, some of the pyrite crystals measure up to 2 cm. An Induced Polarization survey should be done to outline the extent of this mineralization. Visible gold is found where the pyrite has been oxidized. Recently, new sampling of massive, fine grained sulfide from the dump yielded more than nine ounces of gold per ton. No visible gold was seen in the sample. If these sulfide seams are of any extent they may cause a conductive VLF response.

A gold-bearing shear was located about 350 metres ENE of the shaft on September

22/98. Two samples assayed yielded more than 11,000 ppb in gold. A narrow quartz vein exhibited isolated visible gold, with one spectacular splash of native gold being found by a visiting company geologist. The rock enclosing the vein is heavily pyritized and decomposed and runs under overburden at both ends. Further backhoe work is required here to expose fresh material for sampling.

Magnetite can be observed 300 metres west of the shaft and in the mineralized zone where ilmenite is also found. These minerals seem to cause the small, scattered small mag anomalies on the airborne map.

### **Geophysical observations:**

A baseline was laid out by compass and flagging for 2600 metres at a bearing of N 60°E. Seven cross lines were established, one hundred metre apart, over the alteration zone. Total lines run is 3400 m.

#### *Magnetics:*

Random magnetometer (*Scintrex, Model MP-2*) work by the writer shows small and erratic magnetic spikes in the vicinity of the shaft; with the highest reading of 65,000 gamma located 25 metres WSW of the shaft in the stripped area where ilmenite can be seen in the rock. In order to get a meaningful magnetic profile, the grid would have to be tight, perhaps with measurements taken at 5-10 metre intervals.

#### *VLF survey:*

The area of alteration and its strike was covered by a VLF survey, using a GEONICS-16 instrument. Measurements were taken facing north at 15 metre intervals along the cross lines. The close spacing was deemed necessary to detect structural variations in the mineralized zone.

The survey revealed a strong conductor concordant with the exposed alteration zone for more than 100 metres on both sides of the shaft. While the cross-overs are not sharp, dip angles run up to 150%.

The VLF data was run through the 'Fraser Filter' to compensate for the absence of good 'cross-overs'. This process produced an area of conductivity over the strike

length surveyed. A highly conductive zone runs from 100 metres west of the shaft to 200 metres east of the shaft. On lines 100W and 00 the conductivity is just south of the baseline, it then changes to the NE and on line 200E it lies 50 metres north of the baseline.

It is felt that the gravelly overburden, exposed by the backhoe, did not cause the readings obtained. There is a good chance that the conductor is caused by massive sulphide bands similar to the one slab on the dump which assayed over 9 ounces in gold per ton.

### **Conclusions and Recommendations:**

From the work done it can be concluded that high grade gold occurs in the local structures. The gold is associated with the sulphide mineralization, consisting of pyrite and to a small degree of ilmenite. It is yet unclear what role ilmenite played in the precipitation of the gold mineralization.

The potential for an economic gold resource does exist here. Systematic and detailed exploration is needed to prove up a deposit.

Quartz veins within the main zone range from 5 cm to 20 cm in width and cross the zone at various angles or follow the structure and, by themselves, don't carry gold; but the highest alteration (and the best grade) is always adjacent to the quartz. Judging from the geophysical results and from surface observations it would seem that nonconcordant substructures exist along the main alteration zone.

The following work should be undertaken:

- ◆ Further mechanical trenching to increase the original stripping to the west where a highly mineralized rock runs under 1.5m of overburden.
- ◆ Backhoe trenching of the newly found showing 350m east of the shaft.
- ◆ I.P. survey over the existing grid to better delineate the pyritized horizon.
- ◆ Add two cross lines to the west (300W and 400W) and lengthen all lines west of 00

by 150 metres to intersect strike length of conductor 'B'.

- ◆ Insert cross lines at 150W, 50W, 50E and 150E.
- ◆ Magnetometer survey over the existing grid at very close spacing.
- ◆ Establish drill targets by evaluating the surface rock exposures and the geophysical results
- ◆ Find a joint-venture partner or option the claims to a competent exploration company for advanced exploration

Preliminary contact has been made with three mining companies regarding further exploration of this ground.

## **Qualification of Author**

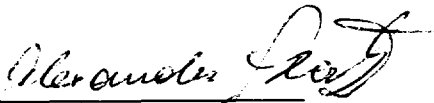


QUALIFICATION OF AUTHOR

I, Alexander Glatz, have been prospecting since 1964 in Ontario and have used dip-needles, magnetometers, scintilometers and EM equipment.

On my own accord, I have successfully used a number of magnetic measuring devices to find new nickel showings in the Stanawan Bay and Pincher Lake areas in Dryden District in 1969.

Having worked with Ross Kidd, a well known mining engineer and geophysicist from 1965-79 on some of my properties, I became familiar with electromagnetic surveys using a Ronka 16 instrument. Having carefully studied the Ronka 16 manual from Geonics Ltd., I feel that I am technically competent to do surveys with this instrument. I am able to correlate the results with the local geology and to guide exploration efforts.



Alexander Glatz

**Assay Certificates**



Established 1928

# Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

## Geochemical Analysis Certificate

8W-2079-RG1

Company: **J. RIVES**

Date: JUL-28-98

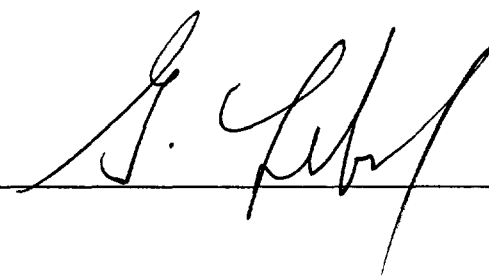
Project:

Attn: J. Riives

We hereby certify the following Geochemical Analysis of 10 Rock samples submitted JUL-22-98 by .

| Sample Number | Au<br>PPB | Au Check<br>PPB | Au 2nd<br>PPB | Ag<br>PPM |
|---------------|-----------|-----------------|---------------|-----------|
| 5401-B        | 14537     | 15600           | 16389         | 1.4       |
| 5402-B        | 58        | -               | -             | -         |
| 5403-B        | 67        | -               | -             | -         |
| 5404-B        | 15        | -               | -             | -         |
| 5405-B        | 5         | -               | -             | -         |
| 5406-B        | 123       | -               | -             | -         |
| 5407-B        | 19        | -               | -             | -         |
| 5408-B        | 206       | 168             | -             | -         |
| 5409-B        | 29        | -               | -             | -         |
| 5410-B        | 3         | -               | -             | -         |

One assay ton portion used.

Certified by 

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705)642-3244 Fax (705)642-3300



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## Geochemical Analysis Certificate

8W-2184-RG1

Company: **J. RIIVES**

Date: AUG-06-98

Project:

Attn: J. Riives

We hereby certify the following Geochemical Analysis of 3 Rock samples submitted JUL-31-98 by .

| Sample<br>Number | Au<br>PPB | Au Check<br>PPB |
|------------------|-----------|-----------------|
| 5412-B           | 4903      | -               |
| 5413-B           | 85166     | 89006           |
| 5414-B           | 13886     | 11932           |

One assay ton portion used.

Certified by Denis Charbon



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## Geochemical Analysis Certificate

**8W-2469-RG1**

Company: **J. RIIVES**

Date: AUG-28-98

Project:

Attn: J. Riives

We hereby certify the following Geochemical Analysis of 4 Rock samples submitted AUG-24-98 by .

| Sample Number | Au PPB | Au Check PPB | Cu PPM | Cu % | Multi Element |
|---------------|--------|--------------|--------|------|---------------|
| B-5415        | 5349   | 4903         | -      | -    | Results       |
| B-5419        | 1509   | -            | >10000 | 1.28 | to            |
| B-5420        | 1783   | -            | -      | -    | follow        |
| B-5421        | 3360   | 3394         | -      | -    |               |

One assay ton portion used.

Certified by Denis Chantre

# Swastika Laboratories

1 Cameron, Swastika, Ontario

PHONE (705) 642-3244 FAX (705) 642-3300

Report : 8W2469

Date : Sep-02-98

J. RIIVES

Attention: J. Riives

Project:

Sample: Rock

## MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

| Sample Number | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | K %  | Mg % | Mn ppm | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sn ppm | Sr ppm | Ti %  | V ppm | W ppm | Y ppm | Zn ppm | Zr ppm |
|---------------|--------|------|--------|--------|--------|--------|------|--------|--------|--------|--------|------|------|------|--------|--------|------|--------|-------|--------|--------|--------|--------|--------|-------|-------|-------|-------|--------|--------|
| B-5420        | <0.2   | 0.23 | <5     | 20     | <0.5   | <5     | 3.47 | 1      | 20     | 223    | 20     | 7.83 | 0.03 | 0.89 | 1315   | <2     | 0.07 | 7      | 1910  | 14     | 5      | 7      | <10    | 64     | <0.01 | 12    | <10   | 5     | 173    | 12     |

A 5 gm sample is digested with 10 ml 3.1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H2O.

Signed: \_\_\_\_\_





Established 1928

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Assaying - Consulting - Representation

## Geochemical Analysis Certificate

8W-2517-RG1

Company: **J. RIIVES**

Date: SEP-02-98

Project:

Attn: J. Riives

We hereby certify the following Geochemical Analysis of 6 Rock samples submitted AUG-28-98 by .

| Sample Number | Au PPB | Au Check PPB | Multi Element |
|---------------|--------|--------------|---------------|
| B5422         | 718    | 720          | Results       |
| C5422         | 5      | -            | to            |
| B5423         | 209    | 206          | follow        |
| B5424         | Nil    | -            |               |
| C5424         | 12     | -            |               |
| B5425         | 2      | -            |               |

One assay ton portion used.

Certified by 

**J. RIIVES**

Attention: J. Riives

Project:

Sample: Rock

**Swastika Laboratories**

1 Cameron Ave., Swastika, Ontario

PHONE (705) 642-3244 FAX (705) 642-3300

Report No : **8W2517**

Date : Sep-00-98

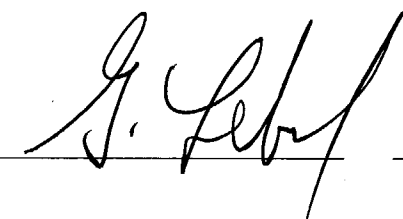
**MULTI-ELEMENT ICP ANALYSIS**

Aqua Regia Digestion

| Sample Number | Ag ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | K %  | Mg % | Mn ppm | Mo ppm | Na % | Ni ppm | P ppm | Pb ppm | Sb ppm | Sc ppm | Sn ppm | Sr ppm | Ti % | V ppm | W ppm | Y ppm | Zn ppm | Zr ppm |
|---------------|--------|------|--------|--------|--------|--------|------|--------|--------|--------|--------|------|------|------|--------|--------|------|--------|-------|--------|--------|--------|--------|--------|------|-------|-------|-------|--------|--------|
| C5422         | <0.2   | 2.78 | <5     | 30     | 0.5    | <5     | 3.95 | <1     | 37     | 67     | 159    | 9.09 | 0.04 | 1.92 | 1485   | <2     | 0.07 | 3      | 2820  | 10     | 5      | 17     | <10    | 81     | 0.01 | 72    | <10   | 7     | 176    | 10     |

—  


A .5 gm sample is digested with 10 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H2O.

Signed: 





Established 1928

# Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

## Geochemical Analysis Certificate

8W-2583-RG1

Company: **J. RIIVES**

Date: SEP-09-98

Project:

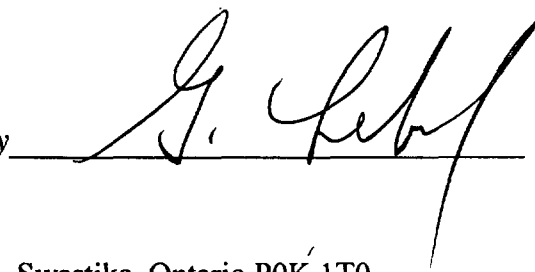
Attn: J. Riives

We hereby certify the following Geochemical Analysis of 4 Rock samples submitted SEP-03-98 by .

| Sample Number | Au PPB | Au Check PPB | Au 2nd PPB |
|---------------|--------|--------------|------------|
| B5426         | 10046  | 9669         | 9909       |
| B5427         | 518    | -            | -          |
| B5428         | 1788   | 1959         | -          |
| B5429         | 173    | -            | -          |

One assay ton portion used.

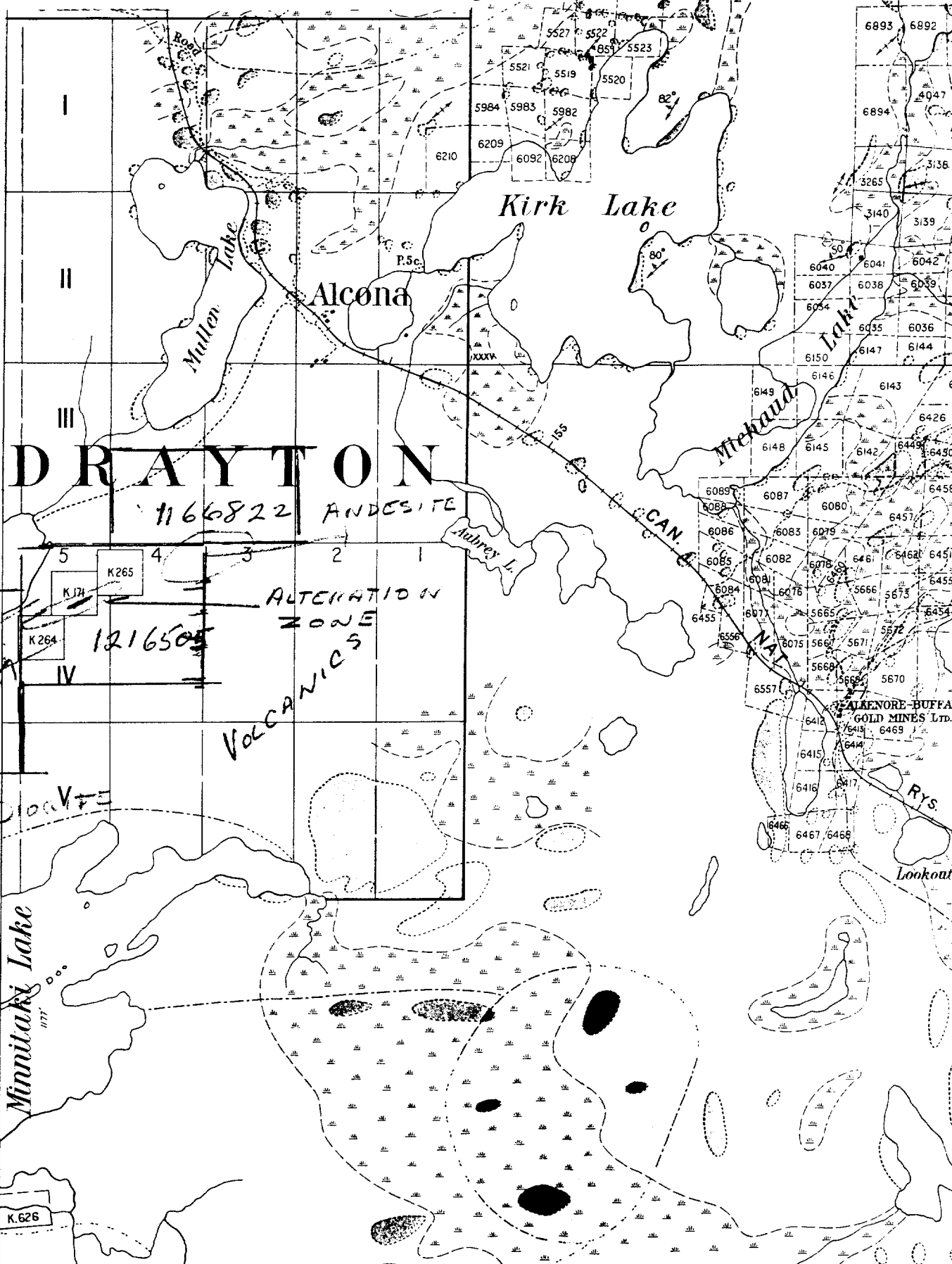
Certified by



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

## **Geology Map**

Adjoins Sioux Lookout Area M.

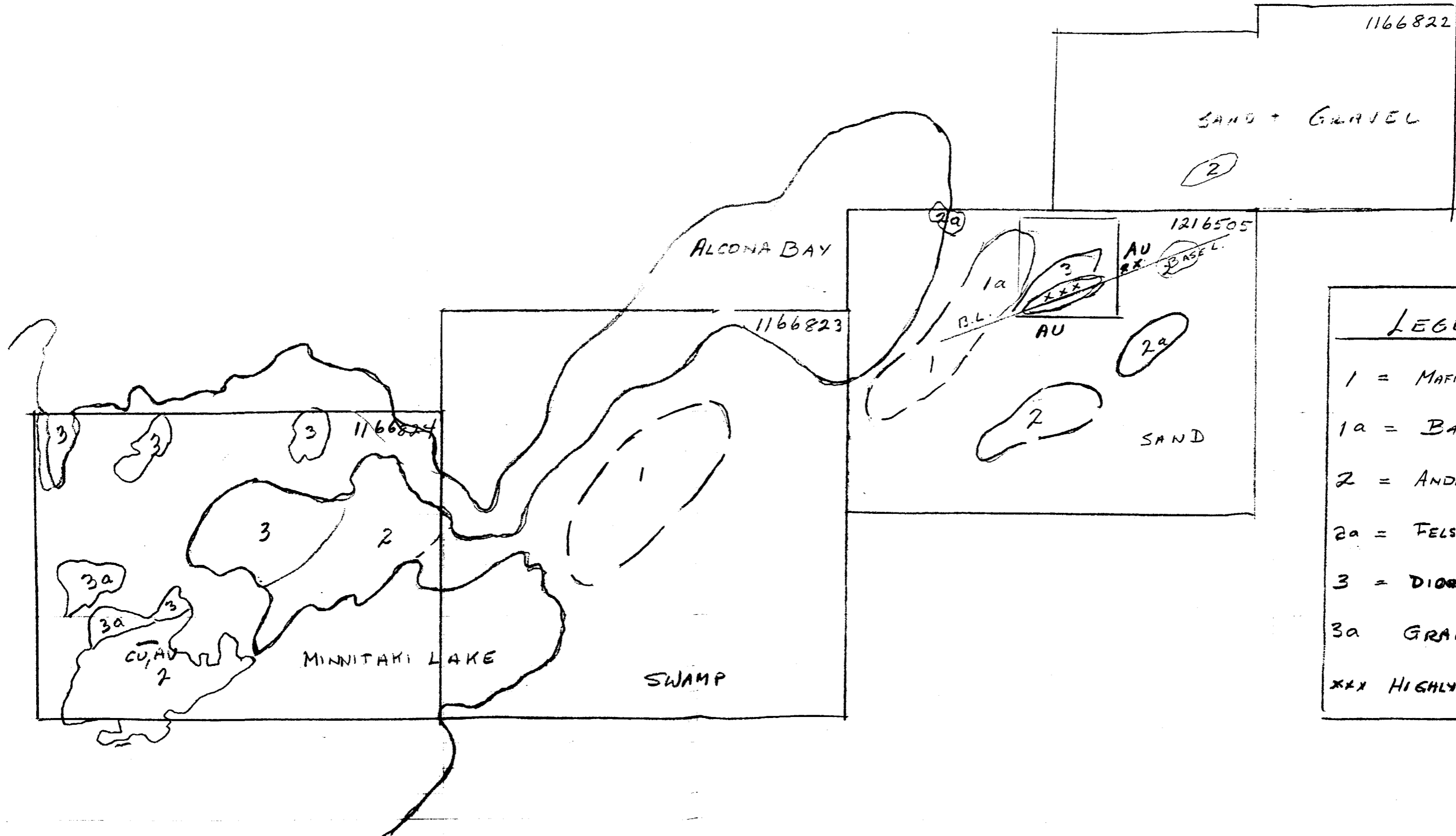


Adjoins Map No. 46c

DRAYTON TWP. GOLD PROSPECT.

GEOLOGY

SCALE: 1:15,840



| LEGEND |                      |
|--------|----------------------|
| 1      | = MAFIC VOLCANICS    |
| 1a     | = BASALT + MAGNETITE |
| 2      | = ANDESITE           |
| 2a     | = FELSIC BRECCIA     |
| 3      | = DIORITE, SYENITE   |
| 3a     | GRANODIORITE         |
| xxx    | HIGHLY ALTERED       |

## **Claim Map**

# Ontario Ministry of Northern Development and Mines Mines and Minerals Division

~~Wednesday, 10:58 PM 12/9/98, Request you requested~~

2

## G-3379 - DRAYTON - PATRICIA Division



### Zoom Tools

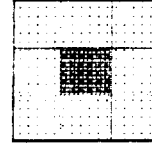
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Entire G-Plan

GO

### Adjacent Map



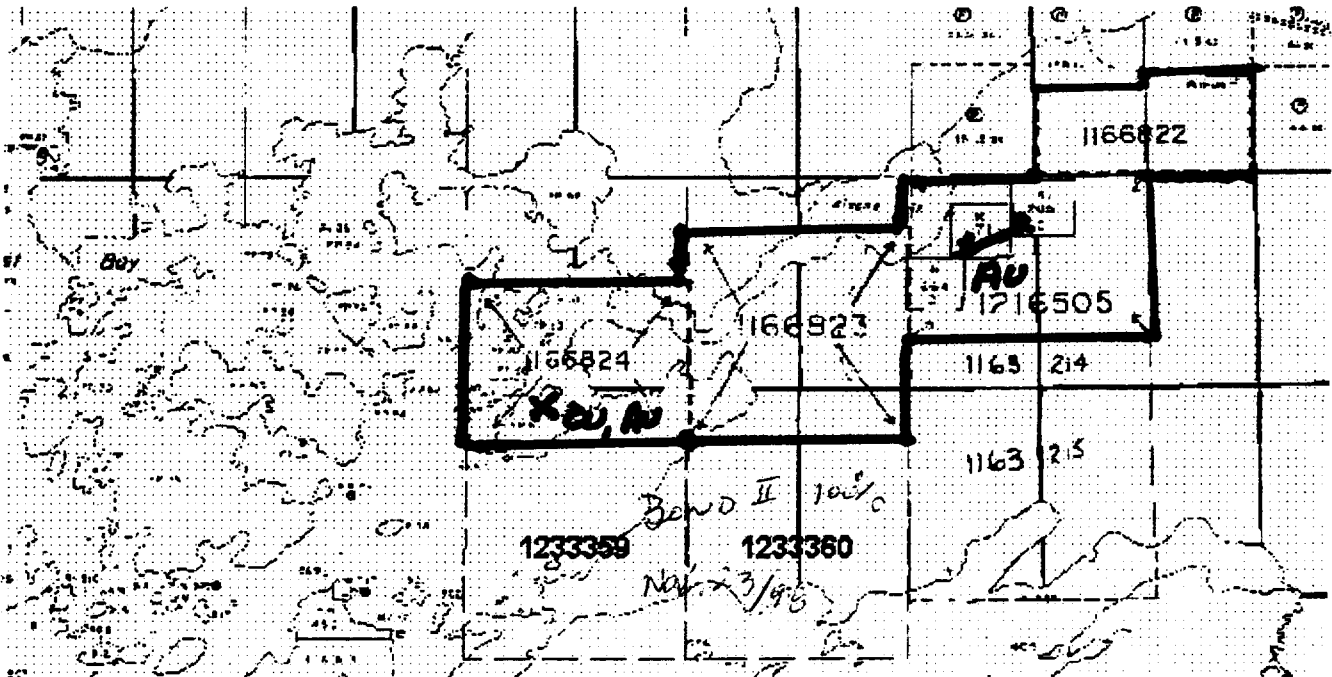
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DAILY WORK REPORT - 17 RINES PROSPECTING.  
 DRAYTON TOWNSHIP

CLAIM NUMBER DATE WORK PERFORMED

|   |         |                |  |   |
|---|---------|----------------|--|---|
| P | 1216505 | July 9-1998    | RE LOCATED + BLAZED hot line 5 in con. II - Took SAM 5401, 5402                | 1 |
| P | 1216505 | July 10-       | PROSPECTED ALONG hot line 5 - TRYING TO TIE IN TO THE DIVINE GUIDANCE.         | 1 |
| P | 1216505 | July 20-       | LOCATED THE DIVINE GUIDANCE SHOWING FROM hot line 5 - Took SAM 5410 - PITS     | 1 |
| " | "       | " 29           | CLEARING DEAD BALSAM FROM OLD TRENCHES - PROSPECTING + MAPPING 5412-541        | 1 |
| " | "       | " 23           | CUT TRAIL TO THE DIVINE GUIDANCE SHOWING IN ORDER TO HAUL FIRE PUMP + HOSE     | 1 |
| " | "       | " 27           | PROSPECTING + SAMPLING TRENCHES + SHAFT AREA OF THE DIVINE GUIDANCE WITH GLATZ | 1 |
| " | "       | " 29           | CLEARING TRENCHES AND MAPPING THE SHAFT AREA (MAGNETIC ATTRACTION)             | 1 |
| " | "       | "              | SAM # 5415   | 1 |
| A | 1166824 | AUGUST 6, 1998 | MOVED m3 PUMP TO BEAVER POND - STRIPPING ROCKS IN THE DIVINE GUIDANCE          | 1 |
| " | "       | " 20,          | PROSPECTING + SAMPLING WITH A. GLATZ ISLAND FP 61 TOOK SAM 5416-18-19          | 1 |
| " | "       | "              | LAYD OUT A TRAIL TO THE DIVINE GUIDANCE SHOWING FOR BACK HOE.                  | 1 |
| P | 1216505 | " 21           | CLEARING + PUMPING THE D. G. SHOWING AREA SAM 4520 + 21                        | 1 |
| " | "       | " 25           | PROSPECTING AND MAPPING TRENCHES N65E-350M OF SHAFT ARE SAM 5422-5425          | 1 |
| " | "       | " 28           | STRIPING + TRENCHING IN THE DIVINE GUIDANCE SHOWING WITH LINK BELT HOE -       | 1 |
| " | "       | " 29           | HAULED m3 FIRE PUMP TO DRYDEN FOR REPAIRS - 1/2 DAY PUMPING.                   | 1 |
| " | "       | " 31           | TRENCHING WITH BACK HOE + PUMPING. COMPLETED 310'x40' TRENCH (5426-30)         | 1 |
| " | "       | SEPTEMBER 8    | HOSED NEWLY BUILT TRENCHES - MAPPED TRENCHES; A. GLATZ TOOK 9 SAM.             | 1 |
| " | "       | " 9            | HAULED PUMP + 900' HOSE OUT - MAINTAINED IT AT FIRE DEPT. DRYDEN               | 1 |
| " | "       | " 22           | BLASTING AND SAMPLING THE N.E. SHOWING 350M N65E FROM SHAFT                    | 1 |
| " | "       | "              | SAM #5430 SOME V.G. IN QTS.  | 1 |
| " | "       | " 24           | PROSPECTED AND SAMPLED AT THE DIVINE GUIDANCE - GLATZ SENT SAM,                | 1 |
| " | "       | " 26           | Took RICHARD PAGE - TECK CORP TO THE TWO SHOWINGS - SAMPLING + MAPPING         | 1 |
| " | "       | OCTOBER 6      | TOOK PETER CHUB-CAMECO GOLD, TO BOTH SHOWINGS - SAMPLING + MAPPING             | 1 |
| " | "       | 8              | BLASTING + SAMPLING THE N.E. SHOWING   | 1 |
| " | "       | NOVEMBER 3     | TOOK GLEN SEIM TO THE DIVINE GUIDANCE SAMPLING, BLASTING                       | 1 |
| " | "       | 9              | PUMPING TRENCHES AGAIN, BURNING BRUSH - ALEX GLATZ SAMPLING - VHF WORK.        | 1 |
| " | "       | 10             | PUMPING BOTH SHOWINGS TO GET RID OF WATER TOOK SAM 5434                        | 1 |
| " | "       | 16             | TRENCHING (BLASTING), PUMPING NE SHOWING                                       | 1 |
| " | "       | 17             | TRENCHING (BLASTING) AND PUMPING NE SHOWING - TOOK EQUIP. HOME.                | 1 |
| " | "       | 18             | RUN SOME VHF LINES ALONG GRID WITH A. GLATZ                                    | 1 |
| P | 1216505 | DEC. 14-1998   | CHECKED SOME GRID LINES IN S.W. END OF GRID WITH ALEX GLATZ                    | 1 |
| P | 1216505 | JAN. 15-1999   | WORKED WITH BEEP MAT B.L. 00 + 170M/W AND AREA                                 | 1 |
| " | "       | " 18-1999      | WORKED WITH THE BEEP MAT N OF BASE LINE - 4 CONDUCTORS - SMOOT                 | 1 |

TOTAL DAYS 30

P1216505

P1166824

RECEIVED

MAR 2 1999

520048W2001 2.19351

DRAYTON

020



SCIENCE ASSESSMENT OFFICE

2.19351

# DRAYTON TOWNSHIP

## DESCRIPTION OF SAMPLES

I. J. RUIZ PROSPECTING.

| CLAIM     | SAMPLE NUMBER | SAMPLE TYPE | MINERALIZATION              | LITHOLOGY                      | AU/PPB. | AGPPM. | Cu    | MULTI MIN. |
|-----------|---------------|-------------|-----------------------------|--------------------------------|---------|--------|-------|------------|
| P 1216505 | 5401          | B           | ROCK-GRAB RUST-PYRITE-LARGE | QUARTZ PORPHYRY                | 16389   |        |       |            |
| "         | 5402          | B           | ROCK-GRAB RUST STAINS       | CARBONATIZED IRON DIORITE      | 58      |        |       |            |
| "         | 5403          | B           | " " FEW FINE PY             | FELSIC WITH BANDS OF QTS.      | 15      |        |       |            |
| "         | 5410          | B           | " " RUST                    | SHEARED IRON DIORITE.          | 3       |        |       |            |
| "         | 5412          | B           | " " 10% LARGE PY CUBES      | ALTERED DIORITE                | 4903    |        |       |            |
| "         | 5413          | B           | " " MASSIVE PY-SULPHUR      | ALTERED DIORITE + QTS. VEINS   | 89006   |        |       |            |
| "         | 5414          | B           | " " 10% PY-SULPHUR STAINED  | ALTERED DIORITE + SMALL QTS.   | 13866   |        |       |            |
| "         | 5415          | B           | " " 10% PY-QTS RUST         | QTS. VEINS IN ALTERED PORPHYRY | 5349    |        |       |            |
| P 1166824 | 5416          | B           | " " CP-PY RUST              | ALTERED-FINE MAFIC             | 3874    | 9.2    | 26%   |            |
| P 1166824 | 5417          | B           | " " PY ONLY - RUST          | ALTERED MAFIC ROCK             | 13852   |        |       |            |
| P 1166824 | 5418          | B           | " " HIGH GRADE CP           | ALTERED FINE GRAINED MAFIC     | 1097    |        | 3.20% |            |
| P 1166824 | 5419          | B           | " " CP + RUST               | ALTERED FINE GRAINED MAFIC     | 1509    |        | 1.28% |            |
| P 1216505 | 5420          | B           | " " 5% PY RUST              | PORPHYRY + QTS                 | 1783    |        |       | ✓          |
| "         | 5421          | B           | " " PY + RUST               | FELDSPAR PORPHYRY              | 3390    |        |       |            |
| "         | 5422          | B           | " " PY RUST                 | CARBONATIZED-ALTERED PORPHYRY  | 720     |        |       | ✓          |
| "         | 5422          | C           | " " CP RUST                 | FINE MAFIC INTRUSIVE           | 5       |        |       |            |
| "         | 5423          | B           | " " FEW PY RUST             | NARROW QTS VEIN                | 209     |        |       |            |
| "         | 5424          | B           | " " RUSTY "SKIN" FEW PY     | SHEARED MAFIC                  | NIL     |        |       |            |
| "         | 5424          | C           | " " LARGE PY CRYSTALS       | ALTERED QTS. PORPHYRY          | 12      |        |       |            |
| "         | 5425          | B           | " " FEW FINE PY             | FINE FELSIC LAYERED PY         | 2       |        |       |            |
| "         | 5426          | B           | " " MASSIVE PY, RUST        | LARGE MINERALIZED QTS. BLOB    | 10046   |        |       |            |
| "         | 5427          | B           | " " PY, RUST                | ALTERED QTS PORPHYRY           | 518     |        |       |            |
| "         | 5428          | B           | " " PY + RUST               | QTS WITH ALTERED PORP.         | 1959    |        |       |            |
| "         | 5429          | B           | " " PY + RUST STAINS        | FRACTURED QTS + PORPHYRY       | 173     |        |       |            |
| "         | 5430          | B           | " " PYRITE CUBES + V.G.     | 3" QTS VEIN + QTS PORPHYRY     | 2026    |        |       |            |
| "         | 5434          | B           | " " PYRITE, ILMENITE        | QTS. VEINS + QTS PORPHYRY      | 2000    |        |       |            |
| "         | 5404          | B           | " " FEW PY RUST             | QTS. VEIN IN MAFIC ROCK        | 15      |        |       |            |

**RECEIVED**

MAR 22 1999

GEOSCIENTIFIC ASSESSMENT  
OFFICE





Ministry of  
Northern Development  
and Mines

### Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 66(2) and 66(3), R.S.O. 1990

|   |
|---|
| Transaction Number (office use)<br><i>W9930.00050</i> |
| Assessment Files Research Imaging                     |



52J04SW2001 2.19351 DRAYTON

900

tion 65(2) and 66(3) of the Mining Act, Under section 8 of the Mining Act, this work and correspond with the mining land holder. Questions about this collection t and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

- Instructions: - For work performed on Crown Lands before recording a claim, use form 0240.  
- Please type or print in ink.

**1. Recorded holder(s) (Attach a list if necessary)**

|  |   |
|--|---|
| Name<br><i>IVAR J. RIVES</i>                         | Client Number<br><i>187550</i>          |
| Address<br><i>BOX 5 SITE 132 DRYDEN, ONT PBN 2Y4</i> | Telephone Number<br><i>807 223-5465</i> |
|  | Fax Number<br><i>807-223-5545</i>       |
| Name<br><i>ALEXANDER GLATZ</i>                       | Client Number<br><i>137014</i>          |
| Address<br><i>15 PARK CRESENT</i>                    | Telephone Number<br><i>807 223 6145</i> |
| <i>DRYDEN ONT PBN 1T7</i>                            | Fax Number<br><i>807-223 3142</i>       |

**2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.**

|  |   |  |
|--|---|--|
| <input type="checkbox"/> Geotechnical: prospecting, surveys, assays and work under section 18 (regs)                               | <input checked="" type="checkbox"/> Physical: drilling stripping, trenching and associated assays | <input type="checkbox"/> Rehabilitation                |
| Work Type<br><i>PROSPECTING, SAMPLING, TRENCHING STRIPING WITH POWER PUMP. BEEP IN AT WORK.</i>                                    |   | Office Use   |
| Commodity  |   | <b>RECEIVED</b><br>10:15 a.m.<br>MAR 22 1999           |
| Total \$ Value of Work Claimed # <i>8476</i>   |   |  |
| Dates Work Performed From <i>09</i> Day   Month <i>07</i>   Year <i>1998</i> To <i>01</i> Day   Month <i>15</i>   Year <i>1999</i> |   | NTS Reference  |
| Global Positioning System Data (if available)  | Township/Area<br><i>DRAYTON</i>   | Mining Division<br><i>Geoscience Assessment Office</i> |
|  | M or G-Plan Number<br><i>G 3379</i>   | Resident Geologist District<br><i>Sioux Lookout</i>    |

- Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;  
- provide proper notice to surface rights holders before starting work;  
- complete and attach a Statement of Costs, form 0212;  
- provide a map showing contiguous mining lands that are linked for assigning work;  
- include two copies of your technical report.

**3. Person or companies who prepared the technical report (Attach a list if necessary)**

|  |   |
|--|---|
| Name<br><i>IVAR J. RIVES</i>             | Telephone Number<br><i>807-223 5465</i> |
| Address<br><i>DRYDEN ONTARIO PBN 2Y4</i> | Fax Number<br><i>223 5545</i>           |
| Name                                     | Telephone Number                        |
| Address                                  | Fax Number                              |
| Name<br><i>ALEXANDER GLATZ</i>           | Telephone Number<br><i>807 223 6145</i> |
| Address<br><i>DRYDEN ONTARIO</i>         | Fax Number<br><i>223 3142</i>           |

**4. Certification by Recorded Holder or Agent**

I, *IVAR J. RIVES* (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

|   |   |
|---|---|
| Signature of Recorded Holder or Agent<br><i>[Signature]</i> | Date<br><i>MARCH 10, 1999</i>           |
| Agent's Address<br><i>DRYDEN ONT</i>                        | Telephone Number<br><i>807 223-5465</i> |
|   | Fax Number<br><i>223 5545</i>           |

0241 (03/97)

*Decreed on June 20/99 2.19351*

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

W9936-00050

| Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map. | Number of Claim Units. For other mining land, list hectares. | Value of work performed on this claim or other mining land. | Value of work applied to this claim. | Value of work assigned to other mining claims. | Bank. Value of work to be distributed at a future date |
|---|--|---|--------------------------------------|--|--|
| eg TB 7827  | 16 ha  | \$26,825  | N/A                                  | \$24,000                                       | \$2,825  |
| eg 1234567  | 12   | 0   | \$24,000                             | 0  | 0  |
| eg 1234568  | 2  | \$ 8,892  | \$ 4,000                             | 0  | \$4,892  |
| 1 P1216505  | 12   | 8244  | 8244                                 | /  | /  |
| 2 P1166824  | 12   | 232   | 232                                  | /  | /  |
| 3   |  |   |                                      |  |  |
| 4   |  |   |                                      |  |  |
| 5   |  |   |                                      |  |  |
| 6   |  |   |                                      |  |  |
| 7   |  |   |                                      |  |  |
| 8   |  |   |                                      |  |  |
| 9   |  |   |                                      |  |  |
| 10  |  |   |                                      |  |  |
| 11  |  |   |                                      |  |  |
| 12  |  |   |                                      |  |  |
| 13  |  |   |                                      |  |  |
| 14  |  |   |                                      |  |  |
| 15  |  |   |                                      |  |  |
| <b>Column Totals</b>  | <b>24</b>  | <b>8476</b>   | <b>8476</b>                          | <b>/</b>                                       | <b>/</b>   |

I, IVAR P. RINES (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing: [Signature] Date: MARCH 10, 1999

6. Instruction for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

|                |   |                                |
|----------------|---|--------------------------------|
| Received Stamp | Deemed Approved Date                                  | Date Notification Sent         |
|                | Date Approved   | Total Value of Credit Approved |
|                | Approved for Recording by Mining Recorder (Signature) |                                |



1999



Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

| Work Type  | Units of Work<br><small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small> | Cost Per Unit of work | Total Cost     |
|--|---|-----------------------|----------------|
| PROSPECTING, SAMPLING  | 31 DAYS   | \$ 150.00             | 4650.00        |
| BLASTING, TRENCHING  |   |                       |                |
| STRIPING WITH POWER PUMPS  |   |                       |                |
| <b>RECEIVED</b>  |   |                       |                |
| MAR 22 1999  |   |                       |                |
| GEOSCIENCE ASSESSMENT OFFICE   |   |                       |                |
| <b>Associated Costs (e.g. supplies, mobilization and demobilization).</b>                        |   |                       |                |
| MOBILIZATION + DEMOBILIZATION 3 DAYS   |   | \$ 150.00             | 450.00         |
| ASSAY COSTS  |   |                       | 349.42         |
| FUEL FOR ATV, SNOW MACHINE, OUTBOARD, POWER SAW, POWER PUMP, SUPPLIES AND FREIGHT. SEE ATTACHED. |   |                       | 395.87         |
| <b>Transportation Costs</b>  |   |                       |                |
| 4x4 1/2 TON TRUCK 31 DAYS @ 225 Km.  |   | 30¢/km                | 2092.50        |
| <b>Food and Lodging Costs</b>  |   |                       |                |
| FOOD - \$15.00 @ DAY FOR 31 DAYS   |   | \$ 15.00              | 465.00         |
| MOTEL - 1 DAY  |   | 72.75                 | 72.75          |
| <b>Total Value of Assessment Work</b>  |   |                       | <b>8475.54</b> |

**Calculations of Filing Discounts:**

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK                      x 0.50 =                      Total \$ value of worked claimed.

**Note:**

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

**Certification verifying costs:**

2.19351

I, LUAR P. RUIZ (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as RECORDED HOLDER (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

|               |                      |
|---------------|----------------------|
| Signature<br> | Date<br>MAR 10, 1999 |
|---------------|----------------------|

Geoscience Assessment Office  
933 Ramsey Lake Road  
6th Floor  
Sudbury, Ontario  
P3E 6B5

Telephone: (888) 415-9846  
Fax: (877) 670-1555

June 23, 1999

IVAR JOSEPH RIIVES  
BOX 5, SITE 132  
15 KEITH AVENUE  
DRYDEN, ON  
P8N-2Y4

Visit our website at:  
[www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm](http://www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm)

Dear Sir or Madam:

**Submission Number:** 2.19351

**Status**

**Subject: Transaction Number(s):** W9930.00050 Deemed Approval

---

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Steve Beneteau by e-mail at [steve.beneteau@ndm.gov.on.ca](mailto:steve.beneteau@ndm.gov.on.ca) or by telephone at (705) 670-5855.

Yours sincerely,



ORIGINAL SIGNED BY  
Blair Kite  
Supervisor, Geoscience Assessment Office  
Mining Lands Section

# Work Report Assessment Results

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**Submission Number:** 2.19351

**Date Correspondence Sent:** June 23, 1999

**Assessor:** Steve Beneteau

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| <b>Transaction Number</b> | <b>First Claim Number</b> | <b>Township(s) / Area(s)</b> | <b>Status</b>   | <b>Approval Date</b> |
|---------------------------|---------------------------|------------------------------|-----------------|----------------------|
| W9930.00050               | 1216505                   | DRAYTON                      | Deemed Approval | June 20, 1999        |

**Section:**

9 Prospecting PROSP

10 Physical PTRNCH

10 Physical PSTRIIP

**Correspondence to:**

Resident Geologist  
Sioux Lookout, ON

**Recorded Holder(s) and/or Agent(s):**

IVAR JOSEPH RIIVES  
DRYDEN, ON

Assessment Files Library  
Sudbury, ON

ALEXANDER GLATZ  
DRYDEN, Ontario

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Lost Lake Area

Grove Lake Area

Sharron Lake Area

Vermilion Additional Twp.

Jordan Twp.

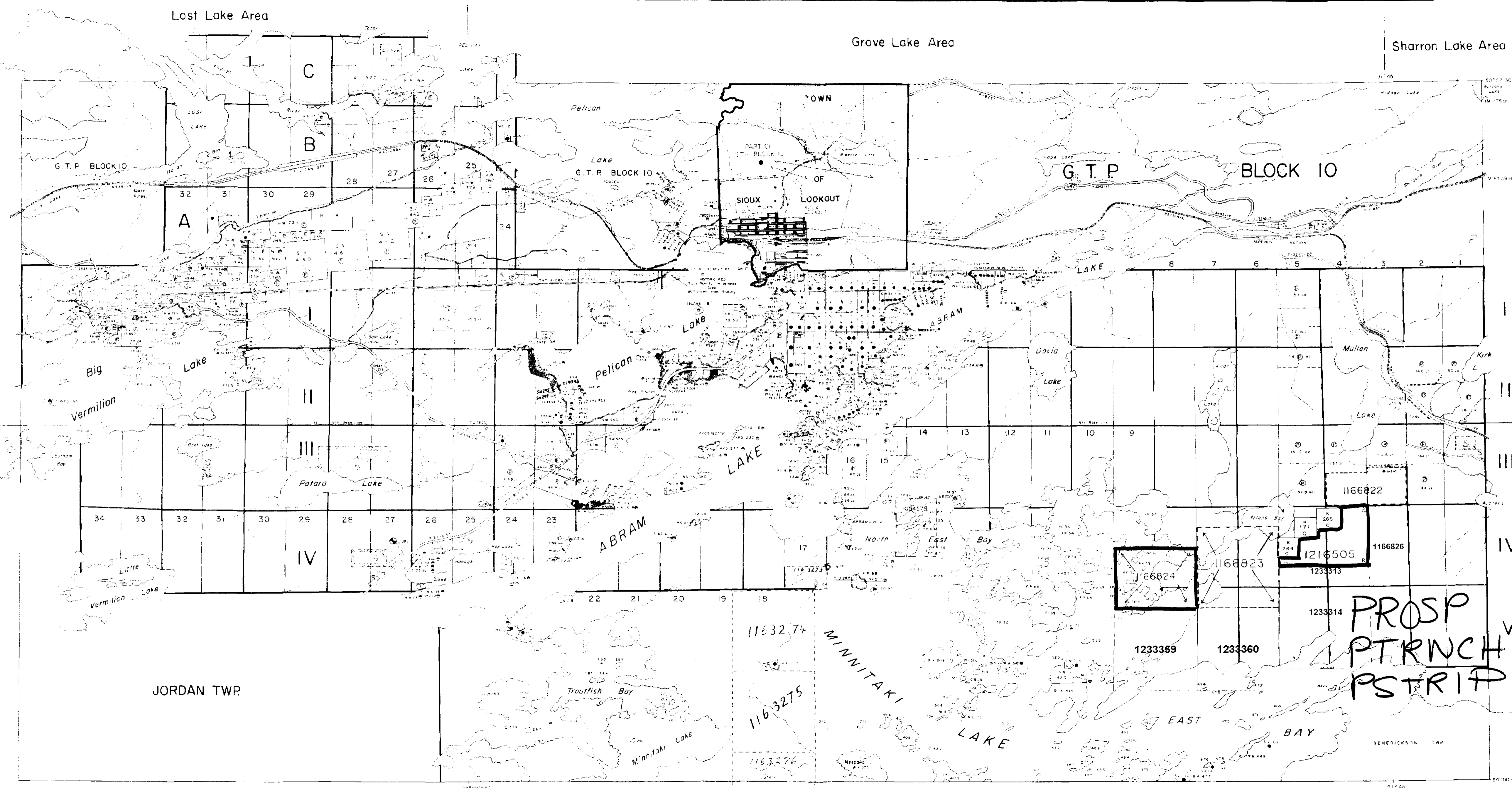
JORDAN TWP.

Benedickson Twp.

LAM LAKE G-2277

Parnes Lake Area

Smock Lake Area



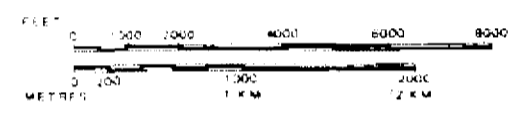
LEGEND

- HIGHWAY AND ROUTE NO. [Symbol]
- OTHER ROADS [Symbol]
- TRAILS [Symbol]
- SURVEYED LINES [Symbol]
- TOWNSHIP BASE LINES ETC. [Symbol]
- LOTS, MINING CLAIMS, PARCELS, ETC. [Symbol]
- UNSURVEYED LINES [Symbol]
- LOT LINES [Symbol]
- PARCEL BOUNDARY [Symbol]
- MINING CLAIMS ETC. [Symbol]
- RAILWAY AND RIGHT OF WAY [Symbol]
- UTILITY LINES [Symbol]
- NON PERENNIAL STREAM [Symbol]
- FLOODING OR FLOODING RIGHTS [Symbol]
- SUBDIVISION OR COMPOSITE PLAN [Symbol]
- RESERVATION [Symbol]
- ORIGINAL SHORELINE [Symbol]
- MARSH OR MUSKEG [Symbol]
- MINES [Symbol]
- TRAVERSE MONUMENT [Symbol]

DISPOSITION OF CROWN LANDS

| TYPE OF DOCUMENT                 | SYMBOL   |
|----------------------------------|----------|
| PATENT - SURFACE & MINING RIGHTS | [Symbol] |
| SURFACE RIGHTS ONLY              | [Symbol] |
| MINING RIGHTS ONLY               | [Symbol] |
| LEASE - SURFACE & MINING RIGHTS  | [Symbol] |
| SURFACE RIGHTS ONLY              | [Symbol] |
| MINING RIGHTS ONLY               | [Symbol] |
| LICENSE OF OCCUPATION            | [Symbol] |
| ORDER IN COUNCIL                 | [Symbol] |
| RESERVATION                      | [Symbol] |
| CANCELLED                        | [Symbol] |
| SAND & GRAVEL                    | [Symbol] |

SCALE 1 INCH = 40 CHAINS



AREAS WITHDRAWN FROM DISPOSITION

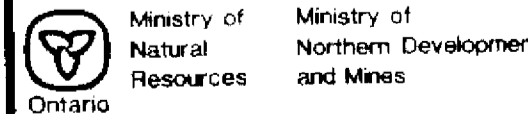
| Description                     | Order No. | Date | Disposition | File |
|---------------------------------|-----------|------|-------------|------|
| M.R.O. - MINING RIGHTS ONLY     |           |      |             |      |
| S.R.O. - SURFACE RIGHTS ONLY    |           |      |             |    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

NOTES

SURFACE RIGHTS ON ALL ISLANDS IN MINNITAKI LAKE RESERVED TO THE MINISTRY OF NATURAL RESOURCES FILE #1001

TOWNSHIP DRAYTON

M.N.R. ADMINISTRATIVE DISTRICT SIOUX LOOKOUT MINING DIVISION PATRICIA LAND TITLES / REGISTRY DIVISION KENORA



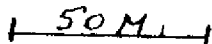
0314 FEBRUARY, 1987

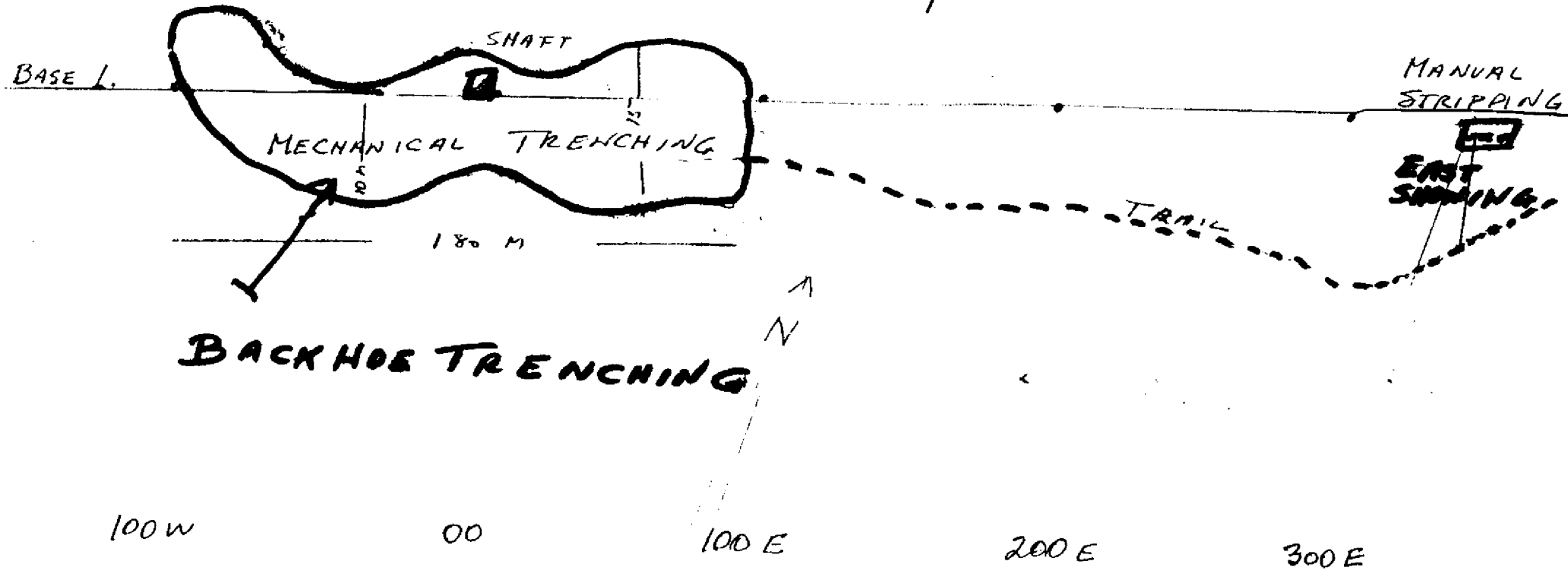
G-3379



CLAIM 1216505

# TRENCHING MAP

SCALE:  1:4,000



# SAMPLING MAP #1

SAMPLING NUMBER IS FOLLOWED BY AD VALUE.

DRAYTON TOWNSHIP

CLAIM 1216505

SCALE 1:4000

1" = 330'

25mm = 100m

□ PIT OR TRENCH

— GRAVEL ROAD

- - - - - ATV ROAD

▲ LOW LAND BLACK SPRUCE

||||| ESCARPMENT

1 - MAFIC VOLCANICS

1A - BASALT + MAGNETITE

2 - ANDESITE

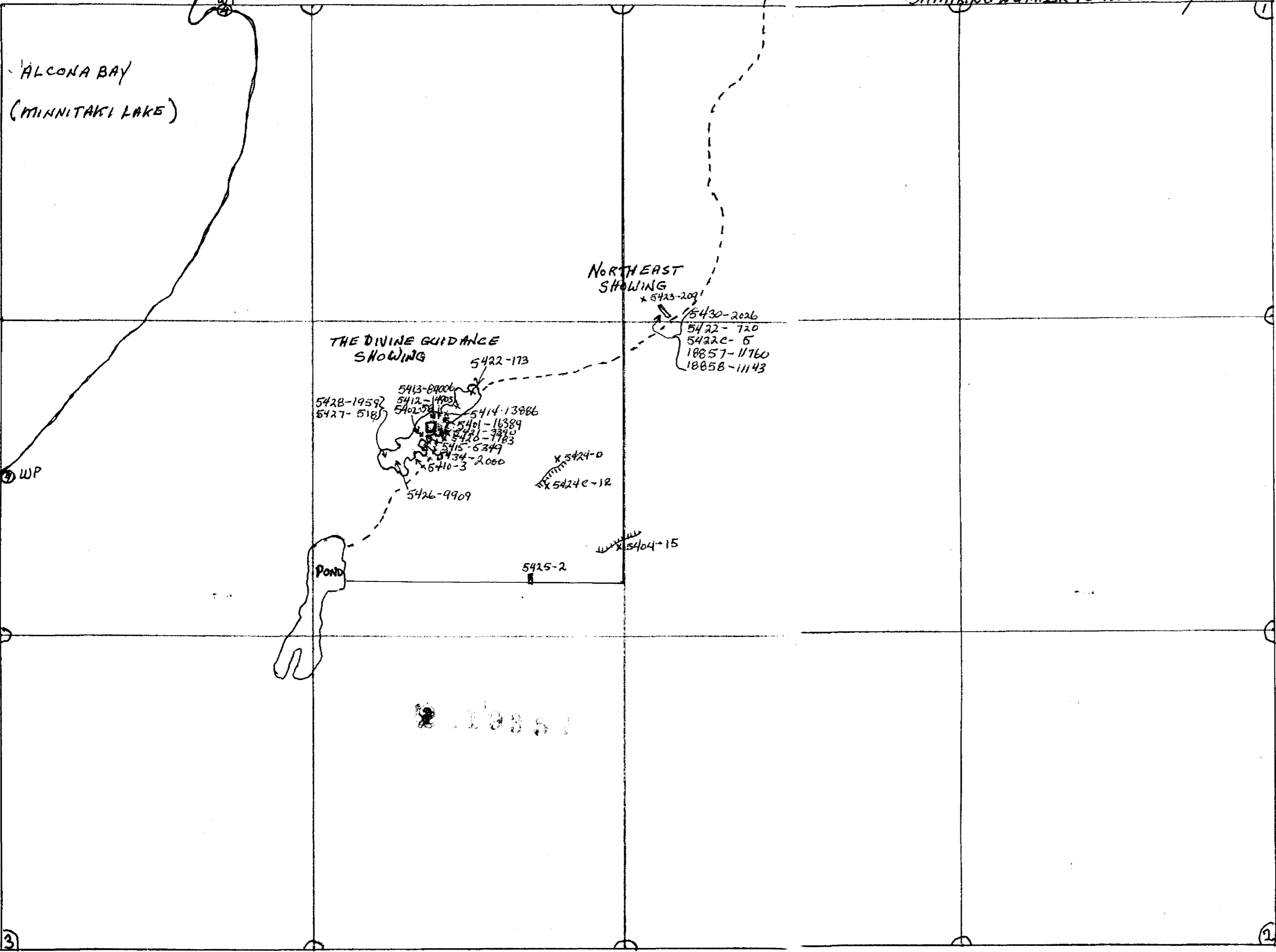
2A - FELSIC BRECCIA

3 - DIORITE, SYENITE

3A - GRAND DIORITE

XXXX HIGHLY ALTERED AREA

1/7 RIVES  
MARCH 10, 1999

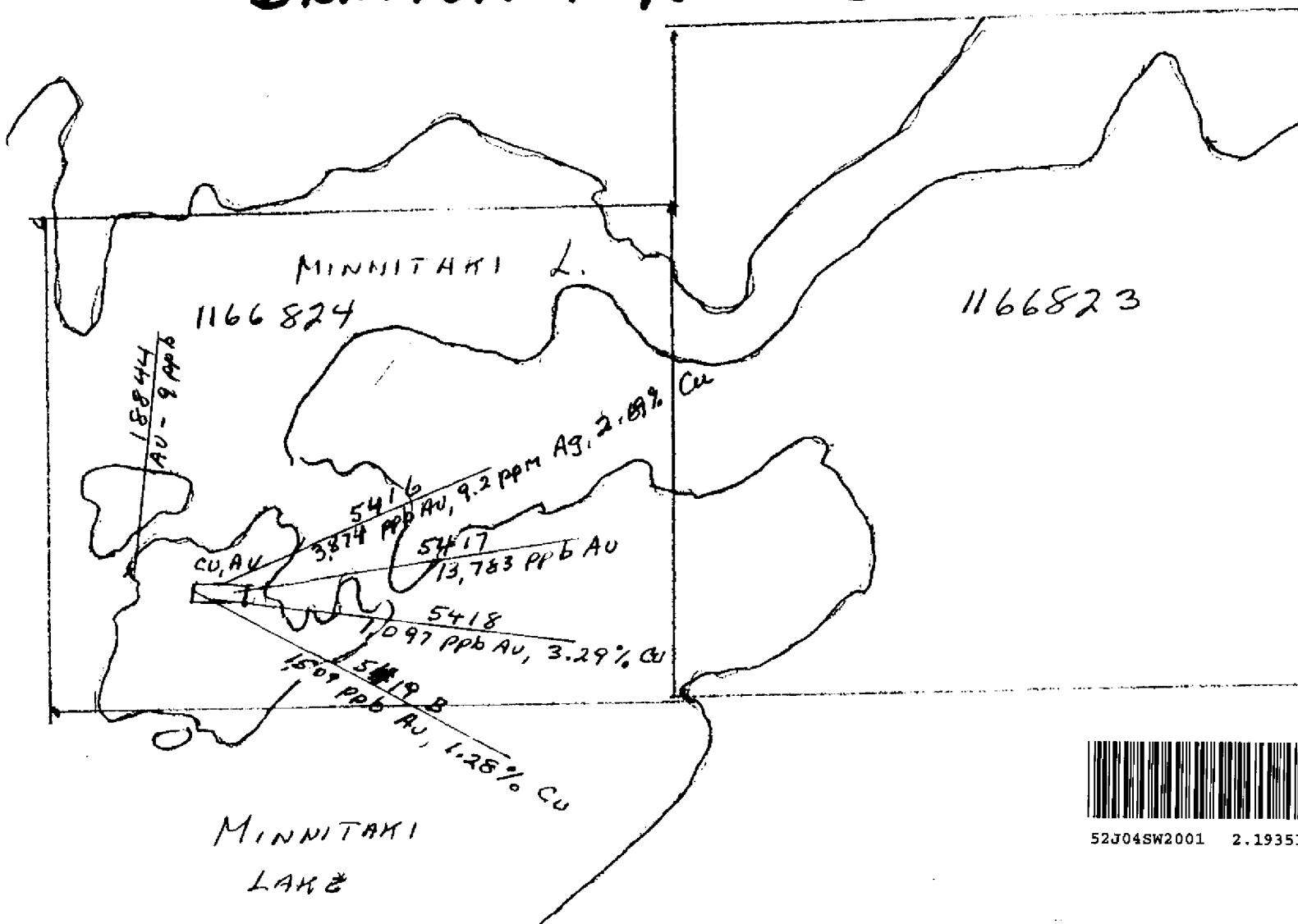




CLAIM 1166824

# SAMPLE MAP 2

## DRAYTON TWP. GOLD SHOWING



52J04SW2001 2.19351 DRAYTON