

**ABSTRACT**

The Perry Property of Sparton Resources Inc. comprises 17 contiguous, unpatented mining claims recorded in the Kenora Mining Division. The property was worked by the author from June 5 to June 9, 1985. The purpose of the work was to map and prospect the property at a scale of 1:1320.

Two rock types were noted on the property, the predominant one being a massive leucocratic granitic rock with remnants of biotite schist, the second unit is an east-west trending sequence of biotite (hornblende) schist with minor amounts of quartzite.

Gold values were obtained from two locations on the property. The Gauthier Showing and a new showing located approximately 300 m east of the Gauthier Showing. Both showings are associated with pyrite-arsenopyrite mineralization in quartzite and biotite schist. Gold and zinc values obtained from the Gauthier Showing are considerably lower than those reportedly obtained by Robert Thompson of the Ontario Department of Mines in 1947.

As a result of this geological survey no further work is recommended on this property.

Perry Property

INTRODUCTION

This report details the results of a geological survey undertaken by Sparton Resources Inc. The author visited the property during the first two weeks of June, 1985. The purpose was to map and prospect at a scale of 1:1320.

LOCATION and ACCESS

The claim group is located on NTS Map 52 L/7 (Umfreville Lake) approximately 17 km west of Caribou Falls and 4 km south of One Man Lake Indian Reserve. Access was gained by boat from a landing near Caribou Falls. Wind conditions on Umfreville Lake make travel by small boat from Caribou Falls to the property hazardous. Float equipped aircraft are available for charter from the tourist camp at Caribou Falls.

PROPERTY

The Perry Property consists of 17 contiguous unpatented mining claims as follows:

K 810998 to K 811007 incl.
K 841728 to K 841734 incl.

These claims are recorded in the Kenora Mining Division on plan G 2634 (Paterson Lake). Claims 810998 to 811007 are recorded in the name of Sparton Resources Inc. Claims 841728 to 841734 are recorded in the name of Mary O'Flarhety.

GEOLOGICAL SURVEY

The predominant rock type is a massive leucocratic granitic with remnants or blocks of biotite (and/or hornblende) schist. This granitic body may in part be intrusive but the writer believes that it is the melted phase of a migmatite complex that trends through this area. Biotite schist remnants within the granitic body are aligned east-west, parallel to the strike of a biotite schist sequence that is located on claims 811003 and 811004. The granitic unit-biotite schist contact is a zone of alternating granite - biotite schist that is approximately 30-50 m wide. No hornfelsing was observed in the schist and grain size in the granite is constant right up to the contact. Schist remnants are marked by a rim up to 2cm wide that is rich in biotite and/or hornblende and a deficiency of quartz-feldspar.

A sequence of biotite schist trends east-west through claims 811003 and 811004. This sequence has a maximum thickness on surface of 200 m. This unit outcrops intermittently along the east shore of the large peninsula on the property and does not continue through to the west shore of the large peninsula. Its boundaries coincide with a more densely wooded depression on the peninsula that can easily be delineated from aerial photographs.

The biotite schist sequence is very uniform, consisting of a fine grained to medium grained schist with minor red garnet, and white quartz. There are minor zones of fine grained pure to impure quartzite. Gold and zinc mineralization are associated with several zones of this quartzite.

The Gauthier Showing was located at the claim boundary between claims 811003 and 841728. All seven pits described by Thompson (1947) were identified and sampled. Results are tabled below. They are in general lower than the values obtained by Thompson (1947).

The Gauthier Showing occurs within a zone of impure quartzite and biotite schist approximately 30 m from the granite contact. The mineralized zone trends east-west and dips 85' North. Mineralization consists of arsenopyrite and pyrite. Zincblende identified by Thompson (1947) was not seen. The maximum thickness of this zone is 1m. There is good exposure around the showing with no visible sulphides. The showings have a strong magnetic attraction however no magnetite or pyrrhotite was seen.

A new showing was located approximately 300m east of the Gauthier Showing. This showing is identical in character to the Gauthier Showing. Assay results are tabled below.

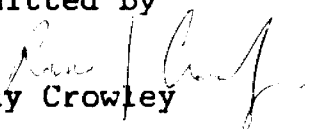
SAMPLE RESULTS

| TAG | LOCATION | AU PPB | ZN PPM | AG PPM | AS % | MO PPM | PB PPM |
|------|--------------------|-----------|-----------|-----------|---------|-----------|-----------|
| 3572 | PIT 1 | 875 | 19100 | 3.6 | - | - | - |
| 3573 | PIT 1 | 695 | 1631 | 5.5 | - | - | - |
| 3574 | PIT 2 | 1155 | 22000 | 7.8 | 7.7 | - | - |
| 3575 | PIT 3 | 56 | 296 | .1 | .44 | - | - |
| 3576 | PIT 4 | 133 | 235 | .1 | .66 | - | - |
| 3577 | PIT 5 | 450 | 220 | 10.7 | .99 | - | - |
| 3578 | PIT 6 | <5 | 75 | <.1 | - | - | - |
| 3580 | 100' W OF PIT #1 | 620 | 11900 | - | 4.13 | - | - |
| 3581 | | 150 | 131 | - | 1.43 | - | - |
| 3582 | | 365 | 7400 | - | 4.68 | - | - |
| 3583 | | 5 | 93 | - | .22 | - | - |
| 3566 | NEW SHOWING | 1150 | 24 | 3.6 | 17.34 | 2 | - |
| 3567 | | 144 | 270 | 1.9 | .55 | 8 | - |
| 3568 | | 200 | 1480 | 1.10 | .4 | 4 | 28 |
| 3570 | | <5 | 64 | - | - | - | - |
| 3561 | PY SHOWING ON LAKE | 31 | 16 | - | - | - | - |
| 3562 | | <5 | 13 | - | - | - | - |
| 3563 | | <5 | 15 | - | - | - | - |
| 3564 | | 40 | 16 | - | - | - | - |
| 3565 | | 24 | 36 | - | - | - | - |

RECOMMENDATIONS

As a result of this geological survey and assay results obtained from the mineralized zones observed no further exploration is recommended for gold.

Submitted by


Randy Crowley
for
SPARTON RESOURCES INC.



Ministry of Natural Resources

File _____

GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL
TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) Geological
Township or Area Paterson Lake Area
Claim Holder(s) 810998-007 incl Sparbon Resources
841728-34 incl Mary O'Flaherty
Survey Company Sparbon Resources
Author of Report Randy Crowley
Address of Author 7420-25 Adelaide St East
Covering Dates of Survey June to October
(linecutting to office)
Total Miles of Line Cut 0

MINING CLAIMS TRAVERSED
List numerically

| | |
|------------------------|----------|
| K | 810998 |
| (prefix) | (number) |
| | 810999 |
| | 811000 |
| | 811001 |
| | 811002 |
| | 811003 |
| | 811004 |
| | 811005 |
| | 811006 |
| | 811007 |
| | 841728 |
| | 841729 |
| | 841730 |
| | 841734 |
| | 841735 |
| | 841731 |
| | 841732 |
| | 841733 |
| | 841727 |
| TOTAL CLAIMS <u>18</u> | |

If space insufficient, attach list

| SPECIAL PROVISIONS CREDITS REQUESTED | Geophysical | DAYS per claim. |
|---|------------------|--------------------|
| ENTER 40 days (includes line cutting) for first survey. | -Electromagnetic | _____ |
| | -Magnetometer | _____ |
| | -Radiometric | _____ |
| | -Other | _____ |
| ENTER 20 days for each additional survey using same grid. | Geological | <u>20</u> |
| | Geochemical | _____ |

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: Oct 23 SIGNATURE: Randy Crowley
Author of Report or Agent

Res. Geol. _____ Qualifications 2.3117

Previous Surveys

| File No. | Type | Date | Claim Holder |
|----------|------|------|--------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS – If more than one survey, specify data for each type of survey

Number of Stations _____ Number of Readings _____
Station interval _____ Line spacing _____
Profile scale _____
Contour interval _____

MAGNETIC

Instrument _____
Accuracy – Scale constant _____
Diurnal correction method _____
Base Station check-in interval (hours) _____
Base Station location and value _____

ELECTROMAGNETIC

Instrument _____
Coil configuration _____
Coil separation _____
Accuracy _____
Method: Fixed transmitter Shoot back In line Parallel line
Frequency _____
(specify V.L.F. station)
Parameters measured _____

GRAVITY

Instrument _____
Scale constant _____
Corrections made _____

Base station value and location _____

Elevation accuracy _____

**INDUCED POLARIZATION
RESISTIVITY**

Instrument _____

Method Time Domain Frequency Domain

Parameters – On time _____ Frequency _____
– Off time _____ Range _____
– Delay time _____
– Integration time _____

Power _____
Electrode array _____
Electrode spacing _____
Type of electrode _____

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

Corrections made _____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

Additional information (for understanding results) _____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____

(specify for each type of survey)

Accuracy _____

(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____



| | |
|------------------|-----------------------|
| Recorded Holder | SPARTON RESOURCES INC |
| Township or Area | PATERSON LAKE AREA |

| Type of survey and number of Assessment days credit per claim | Mining Claims Assessed |
|--|----------------------------|
| Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ 14.5 _____ days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant. | K 810998 to 1007 inclusive |

Special credits under section 77 (16) for the following mining claims

| |
|--|
| |
|--|

No credits have been allowed for the following mining claims

| | |
|---|--|
| <input type="checkbox"/> not sufficiently covered by the survey | <input type="checkbox"/> insufficient technical data filed |
| | |

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.

Mining Lands Section

File No 28573

Control Sheet

TYPE OF SURVEY GEOPHYSICAL
 ✓ GEOLOGICAL
 GEOCHEMICAL
 EXPENDITURE

MINING LANDS COMMENTS:

lcpd
h.i.D.

J. Hunt
Signature of Assessor

Feb 5/86
Date



Ontario

Feb. 28/86

Ministry of
Northern Development
and Mines

February 13, 1986

Your File: 175-85
Our File: 2.8573

Mining Recorder
Ministry of Northern Development and Mines
808 Robertson Street
Box 5080
Kenora, Ontario
P9N 3X9

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. R.J. Pichette at (416) 965-4888.

Yours sincerely,

S.E. Yundt, Director
Land Management Branch

Mining Lands Section
Whitney Block, 6th Floor
Queen's Park
Toronto, Ontario
M7A 1W3

RO SH/mc
Encls.

cc: Sparton Resources Inc
Suite 1420
25 Adelaide Street East
Toronto, Ontario
M5C 1Y2
Attention: Randy Crowley

Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario



Ontario

Ministry of
Northern Development
and Mines

Notice of Intent
for Technical Reports
1986 02 13

2.8573/175-85

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on the record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted directly to the Land Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

Randy Crowley Called. Will have it in on Monday.

REGISTERED

October 16, 1985

Report Of Work #175

Sparton Resources Inc
Suite 1420
25 Adelaide Street East
Toronto, Ontario
M5C 1Y2

Attention: Randy Crowley

Dear Sir:

RE: Mining Claims K 810998, et al,
in the Area of Paterson Lake

I have not received the reports and maps (in duplicate)
for the Geological Survey on the above-mentioned claims.

As the assessment "Report of Work" was recorded by the
Mining Recorder on August 26, 1985 the 60 day period
allowed by Section 77 of the Mining Act for the submission
of the technical reports and maps to this office will
expire on October 25, 1985.

If the material is not submitted to this office by October 25,
1985 I will have no alternative but to instruct the Mining
Recorder to delete the work credits from the claim record
sheets.

For further information, please contact Mr. Arthur Barr
at (416)965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

AB/mc

cc: Mining Recorder
Kenora, Ontario

November 8, 1985

File: 2.8573

Sparton Resources Inc
Suite 1420
25 Adelaide Street East
Toronto, Ontario
M5C 1Y2

Dear Sirs:

RE: Geological Survey submitted on
Mining Claims K 801998, et al,
in the Area of Paterson Lake

Returned herein are the plans for the above-mentioned survey. These plans are not acceptable in their present form. Enclosed are pages outlining the requirements for submitting geological maps. Please submit the plans (in duplicate) ensuring all relevant information shown, quoting file 2.8573.

For further information, please contact Susan Hurst at (416)965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416)965-4888

SH/mc

cc: Mining Recorder
Kenora, Ontario
#175-85

Encl.

REGISTERED

January 21, 1986

File: 2.8573

Sparton Resources Inc
Suite 1420
25 Adelaide Street East
Toronto, Ontario
M5C 1Y2

Dear Sirs:

RE: Geological Survey submitted on
Mining Claims K 801998, et al,
in the Area of Paterson Lake

Enclosed is a copy of our letter dated November 8,
1985 requesting additional information for the above-
mentioned survey.

Unless you can provide the required data by January 31,
1986 I will have no other alternative but to instruct
the Mining Recorder to cancel the work credits recorded
on August 26, 1985.

For further information, please contact Mr. Ray Pichette
at (416)965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

SH/mc

cc: Mining Recorder
Kenora, Ontario
#175

Encl.

*86-1-30
Material to be
brought in
Feb 3/86
A*

March 4, 1986

Your File 175-85
Our File 2.8573

Mining Recorder
Ministry of Northern Development and Mines
808 Robertson Street
Box 5080
Kenora, Ontario
P9N 3X9

Dear Sir:

RE: Notice of Intent dated February 13, 1986
Geological Survey on Mining Claims K 810998,
et al, in the Paterson Lake Area

The assessment work credits, as listed with the
above-mentioned Notice of Intent, have been approved
as of the above date.

Please inform the recorded holder of these mining
claims and so indicate on your records.

Yours sincerely,

J.C. Smith, Supervisor
Mining Lands Section

Whitney Block, 6th Floor
Queen's Park
Toronto, Ontario
M7A 1W3

Telephone: (416) 965-4888

SH/mc

cc: Sparton Resources Inc
Suite 1420
25 Adelaide Street East
Toronto, Ontario
M5C 1Y2
Attention: Randy Crowley

Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

Resident Geologist
Kenora, Ontario

Encl.

28573

810998 1/2 ✓

99 1/2 ✓

100 3/4 ✓

1 1/2 ✓

2 1/2 ✓

3 ✓

4 ✓

5 1/4 ✓

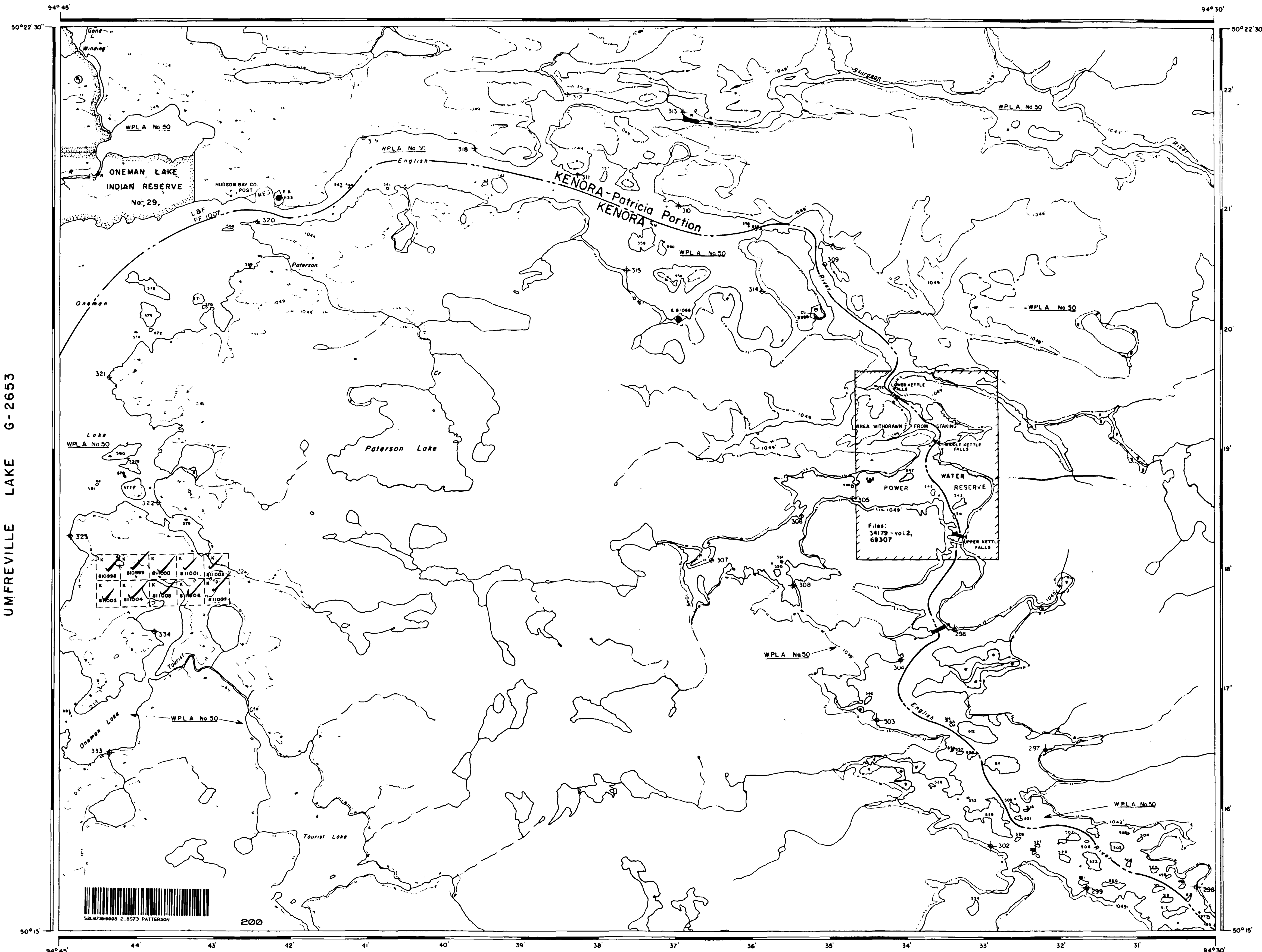
6 ✓

~~7 3/4 ✓~~

3.75 NC

$$10 \times 20 = 200$$

$$200 \div 13.75 = 14.5$$



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

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 | OC |
| 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. 1970, CHAP. 380, SEC. 83, SUBSEC. 1.

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. - MINING RIGHTS ONLY

S.R.O. - SURFACE RIGHTS ONLY

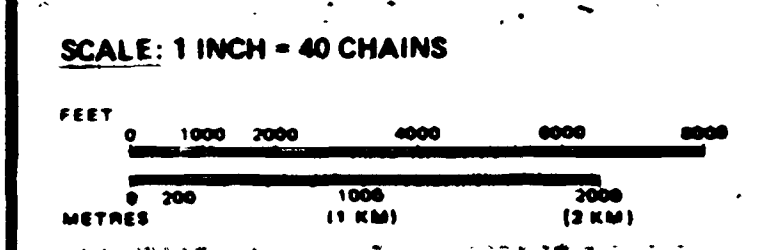
M + S - MINING AND SURFACE RIGHTS

| Description | Order No. | Date | Disposition | File |
|-------------|-----------|---------|-------------|---------|
| ① | W. 37/82 | 11/7/72 | S.R.O. | 10-0255 |

FLOODING

RESERVE FLOODING RIGHTS AND LAND UNDER THE WATERS OF THE ENGLISH RIVER BETWEEN SEPARATION RAPIDS AND CARIBOU FALLS, INCLUDING ONEMAN LAKE, TOURIST LAKE, GONE LAKE, STURGEON RIVER, WINDING RIVER, PATERSON CREEK, AND TOURIST CREEK, BELOW CONTOUR ELEVATION 1049.0, G.S.C. DATUM, 1919, TO THE P.G. OF ONTARIO FOR THE DEVELOPMENT OF WATER POWER AT CARIBOU FALLS. FOR DETAIL OF CONTOUR, REFER TO PLAN No. U-2-27 dated 15th MARCH 1958. (H.E.P.C. PLAN No. 800-3359). WPLA No 50 dated 21st DECEMBER 1959. File 34179.

Flooding rights to contour elevation shown thus Mining claims staked in the vicinity, subject to flooding. See Files: 34179- (vol. 2) and 69307.



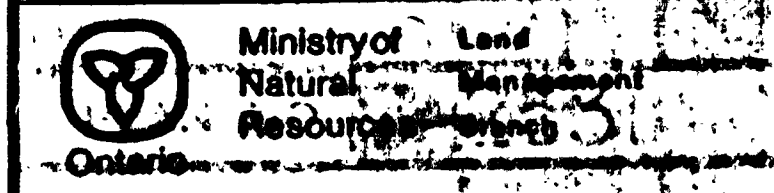
AREA

PATERSON LAKE

M.N.R. ADMINISTRATIVE DISTRICT
KENORA

MINING DIVISION
KENORA


LAND TITLES / REGISTRY DIVISION
KENORA / KENORA (PATRICIA PORTION)



Ontario **MINES**
G-2634

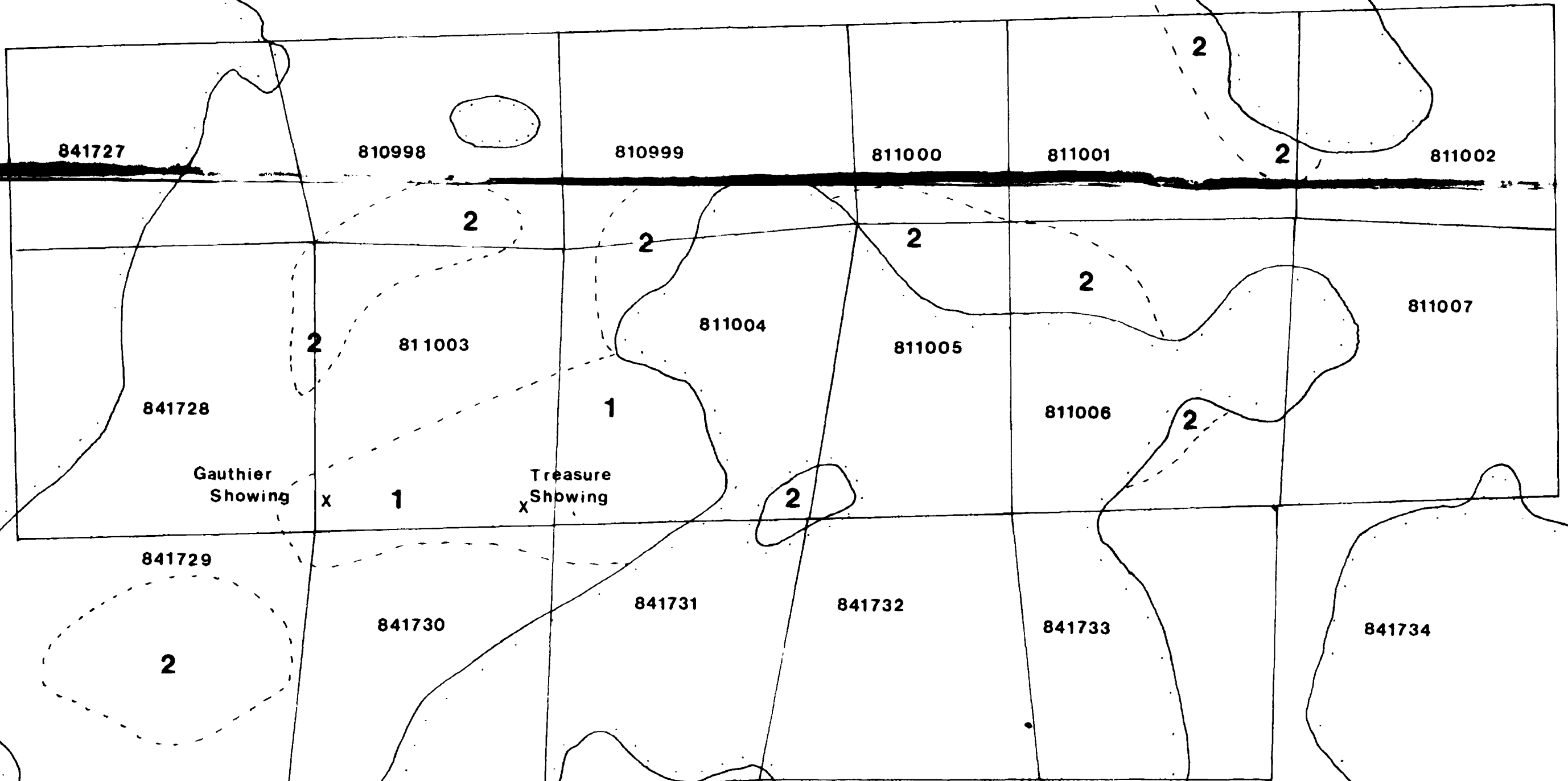
UMFREVILLE LAKE G-2653

TREELINED LAKE G-2651

- 2** GRANITE
- 1** BIOTITE SCHIST
-  Area of Outcrop

N

UMFREVILLE LAKE



UMFREVILLE LAKE

28573

SPARTON RESOURCES INC
 GEOLOGICAL SURVEY
 PERRY PROPERTY
 SCALE : 1" : 500'

Randy Clancy
 Feb 3 / 86

