



52F05SE0106 2.5596 ROWAN LAKE

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GEOLOGICAL REPORT
NOLAN LAKE EXPLORATIONS INC.
KENORA, ONTARIO

by

J. C. Archibald, B.Sc., Geologist

November 8, 1982

*Just
2.5596*

RECEIVED

JUN 6 1983

MINING LANDS SECTION

2.5596



52F05SE0106 2.5596 ROWAN LAKE

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GEOLOGICAL REPORT

NOLAN LAKE EXPLORATIONS INC.

KENORA, ONTARIO

I N T R O D U C T I O N

The property consists of twenty contiguous mining claims in the Rowan Lake area of the Kenora Mining District of Ontario.

Previous geological exploration consisted of regional traversing by the Ontario Department of Mines (Preliminary Map #831) and a preliminary survey carried out over the main claim group by Canex Explorations in 1973 (Hilgendorf). Very little geological work was carried out since that time.

The purpose of the survey was to identify the major geological units, and to determine their similarity and structure with respect to the known showings in the area. One in particular is the Nuinsco deposit to the northwest of the property.

Three subparallel geological horizons were observed which resembled several zones found on the Nuinsco property. Two of these were associated with a quartz-porphyry intrusive unit bounded by gabbro sills and the third corresponded to a carbonated, mineralized, chlorite shear zone picked up and traced by Induced Polarization geophysics. These zones were outlined through a combination of detailed geology, geophysics, diamond drilling and surface trenching.

Further work will be required to determine the extent and significance of the gold mineralization found in these zones. This will include trenching, sampling, I. P. geophysics along the southern and eastern portions of the property and follow-up diamond drilling to test the anomalous targets. Property acquisition may be necessary if the zones remain strong along strike as do those found on Nuinsco's property.

P R O P E R T Y

The property consists of twenty contiguous mining claims in the Rowan Lake area of the Kenora Mining District, Northwestern Ontario.

L O C A T I O N and A C C E S S

The property is approximately fifty air miles southeast of Kenora, forty-eight air miles north of Fort Frances and eighteen air miles northeast of Nestor Falls. It is located between Cameron Lake and Rowan Lake, both of which have tourist lodges within three miles of the property.

Access is by float plane from Nestor Falls, which is along the Kenora-Fort Frances Highway #71. A water route can be taken from the highway across Kakagi (Crow) Lake to where a one-mile portage is taken across Cameron Lake. In the winter of 1978-1979 a plowed truck route was made from Nestor Falls across the ice to the end of Kakagi Lake, where a skidoo skid

route continued on to and across Cameron Lake, and then into Rowan Lake. (For Location Plan, see Plate 1).

T O P O G R A P H Y

The south and southeast section of the property is covered by low lying cedar and tag alder swamp. This part of the property, having a scarcity of outcroppings, is generally flat with gentle rises and jack pine knolls.

The north and northwest section of the property has steep hills and terraced rock ridges rising to a height of over one-hundred feet above the lake level. Outcroppings here are abundant and cover over 70% of the area.

Ridges and cliffs are in a northeast to southwest direction, corresponding with the regional geological strike.

TABLE OF FORMATIONS

CENOZOIC

Recent - Swamp deposits

Pleistocene - Sand, gravel, boulder till

PRECAMBRIAN

Archean - Felsic Intrusive Formations - quartz porphyry

- quartz feldspar porphyry

- INTRUSIVE CONTACT -

Mafic Intrusive Formations - gabbro

- anorthosite gabbro

- INTRUSIVE CONTACT -

Metavolcanic Formations - acid tuff

- dacite

- andesite

- intermediate agglomerate

- intermediate tuff

- basic volcanics

- basic tuff

GENERAL GEOLOGY

The bedrock is of Precambrian age. The oldest rocks consist of basic to acid metavolcanics. The younger gabbro, quartz porphyry and quartz/feldspar porphyry have intruded into the metavolcanics. The Nolan Lake Stock, a coarse-grained quartz monzonite batholith, is found to the southeast of the property.

The metavolcanics on the property are moderately to highly sheared and strike N 70-80° E, dipping steeply to the northwest. Around the edges of the batholith are found silicified carbonate zones of alteration in which gold values occur. The silicification strikes in at least three directions and dips at 80°, 115° and flatly.

DESCRIPTION OF FORMATIONS

1. Metavolcanics

- a. Basic Volcanics - fine grained
chloritic-amphibole rich
- b. Basic Tuff - fine-grained, chloritic (dark green)
banded
- c. Intermediate Tuff - fine-grained, chloritic-
sericitic, grey-grey/green
- d. Intermediate Agglomerate - fine-grained, chloritic,
acid to intermediate fragment
- e. Andesite - fine-coarse grained, grey-green,
chloritic and carbonated
- f. Dacite - fine-grained, green-buff, siliceous
- g. Acid Tuff - fine-grained, siliceous, banded,
sericitic-carbonatized

2. Mafic Intrusives

- a. Gabbro - fine-coarse grained, chloritic-carbonate with pyrite/magnetite

3. Acid Intrusives

- a. Quartz-feldspar porphyry - dark green, sericitic quartz/feldspar phenocrysts

L O C A L G E O L O G Y

The recent mapping program confirmed the presence of the basic geological units outlined by the Canex program of 1973. The units were mapped and divided into sub-units as shown on the accompanying geological map using some of the geological interpretation gained from the recent diamond drilling program on Nuinsco's property. The units and structure were strikingly similar.

Three mineralized zones were found on the property by this survey.

The most significant was the zone of carbonated chloritic schist along the south portion of the property. It was covered by overburden and was not discovered until I. P. geophysics had identified it as being a strong continuous, deep conductor located within a mafic volcanic unit. Several outcrops were found to verify the presence of strong, rusty shearing. Only a few fresh samples could be obtained.

The second zone of significance occurred along the strike length of the three main showings on the property. The original Sullivan and Meston showings bear similar characteristics and all contain gold values in a series of quartz-carbonate vein structures. Pyrite mineralization was found in quartz-ankeritic rock along the western extrusion of these showings. The zone is narrow but continuous. The same unit carries across on to Nuinsco's ground and plays a significant role in their geological structure. Most of the eastern extrusion of this zone is covered by overburden or lake sediments.

The third zone is also linear in extent and fairly uniform. It is located along the northern portion of the property in contact with the quartz-felspar porphyry. Described as a unit of felsic volcanics, it appears sheared and mineralized with cubic pyrite. Mineralization can be seen over a strike distance of several thousand feet.

Some five miles to the east of the claim group is the Monte Cristo Mine occurrence. This is another sheared quartz porphyry and altered carbonate occurrence, similar to the Sullivan showing, with a width of two-hundred feet and an open-ended length (water to water) of over six-hundred feet. Samples taken prior to 1931 showed fifty-four samples having an average gold value of \$3.72 @ \$35.00 per ounce. Nuinsco Resources has recently optioned this ground

Another gold showing, located along strike one mile to the northwest, is the former Noranda Begg's Lake showing which has been optioned by Nuinsco Resources. Recent diamond drilling and I. P. survey work produced several mineralized zones and a small economic deposit of gold. This work is presently continuing.

Some nine gold occurrences are known along the north flank of the Nolan Lake granite and it is quite possible that there are many gold-bearing, silicified carbonate or quartz porphyry zones bordering its contact. There are also several silicified zones along the edge of the same contact to the southeast of the property, but no data is available to indicate whether these have been explored and sampled.

C O N C L U S I O N S

The three zones outlined by this geological survey are significant in several respects. They each carry gold values where quartz-carbonate veining or pyrite mineralization occurs. The zones are linear and similar in structure to the Monte Cristo and Begg's Lake showings.

Two of the zones are wide and well defined as determined by the I. P. and V.L.F. Electromagnetic Survey results.


The southern zone is characterized by a sheared, altered carbonated mafic volcanic unit which is continuous along strike and to depth.

Covered mainly by swamp, the I. P. geophysics determined that the V.L.F.-E.M. conductive overburden was in fact a true mineralized conductor of some merit. Further I. P. surveying and trenching will be needed along the eastern portion of this zone to determine the extent of the mineralization. Deep trenching and possibly diamond drilling may be the best method of retrieving fresh samples in an area covered mainly by overburden.

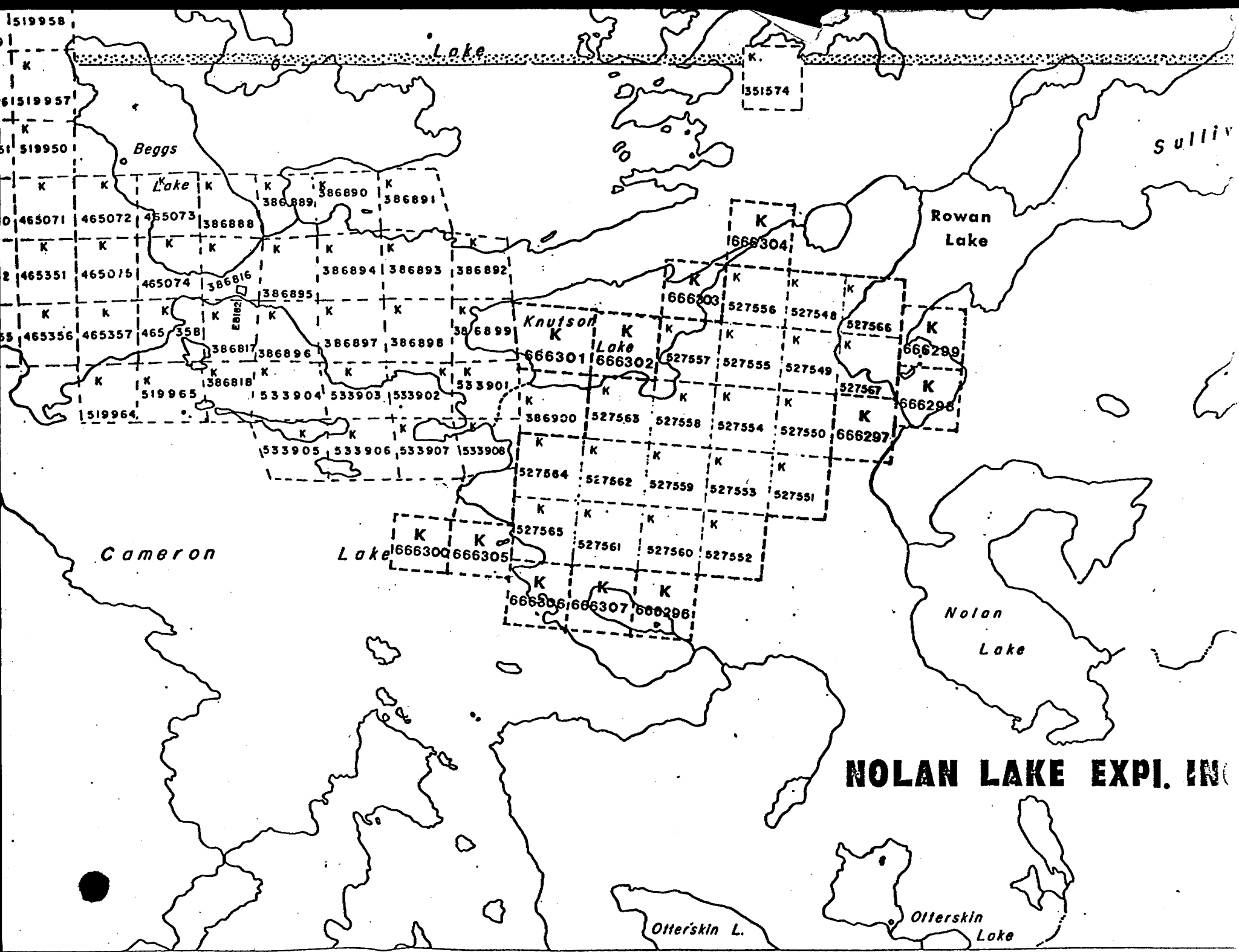
The middle zone has been the most productive to date for gold mineralization. Three of the original gold occurrences known as the Sullivan #1 and Meston showings lie roughly along strike and have similar characteristics. Much of the intervening area is covered by overburden and the contacts are poorly exposed. Each showing occupies a zone of quartz-carbonate veining in a quartz porphyry unit along the footwall of a gabbro intrusive. Each zone appears to occupy a flexure or widening within the porphyry where considerable fracturing has occurred. Previous sampling and drilling results indicate three directions of quartz veining although the main structure and veining system dip steeply to the northwest. A detailed study of the local structure and previous drilling may indicate which system is carrying the gold values. Further drilling and I. P. work over the eastern part of the showings is recommended.

The third zone is located along the hanging wall of the quartz-felspar porphyry unit in the northern part of the property. Characterized by cubic pyrite and shearing within a felsic volcanics unit, the zone has been traced over several thousand feet in strike length. Very little work has been done in this area, due to the difficult terrain and poor outcrop exposure. Prospecting, sampling and trenching may help to delineate this zone further.

Respectfully yours,


J. C. Archibald, B.Sc.
Geologist

Toronto, Ontario
November 8, 1982



NOLAN LAKE EXPI. IN

FWM



Report of Work
(Geophysical, Geological,
Geochemical and Expenditures)

53-83

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900

Type of Survey(s) **GEOLOGICAL SURVEY** Township or Area **M-2580**
Rowan Lake Area, Kenora
 Claim Holder(s) **NOLAN LAKE EXPLORATIONS INC.** Inspector's Licence No. **T 901**
 Address **806 - 88 University Avenue, TORONTO, Ontario. M5J 1T6**
 Survey Company **Archibald Mining & Exploration Limited** Date of Survey (from & to) **18 10 82 03 11 82** Total Miles of line Cut **16 miles**
 Name and Address of Author (of Geo-Technical report) **J. C. Archibald, 9 Glen Castle Street, TORONTO, Ontario. M4R 1Z5**

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
For each additional survey: using the same grid: Enter 20 days (for each)	- Other	
	Geological	60
	Geochemical	

Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Airborne Credits	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	

Expenditures (excludes power)
 Type of Work Performed
 Performed on Claim(s)
 Calculation of Expenditure Days Credits
 Total Expenditures \$ ÷ 15 = Total Days Credits

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Date **February 15/83** Recorded Holder or Agent (Signature) *J.C. Archibald*

Mining Claims Traversed (List in numerical sequence)

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
K	666296	60	K	527558	60
	666297	60		527559	60
	666299 ²⁴⁸	60		527560	60
	666299	60		527561	60
	666300	60		527562	60
	666301	60		527563	60
	666302	60		527564	60
	666303	60		527565	60
	666304	60		527566	60
	666305	60		527567	60
	666306	60			
	666307	60			
	527548	60			
	527549	60			
	527550	60			
	527551	60			
	527552	60			
	527553	60			
	527554	60			
	527555	60			
	527556	60			
	527557	60			

MAR recorded 40 days on claim confirmed Feb 14/83

RECEIVED
JUN 6 1983
MINING LANDS SECTION
See record statement

527548

Total number of mining claims covered by this report of work. **32**

For Office Use Only
 Total Days Credits Recorded **1920** Date Recorded **MARCH 31/83** Mining Branch Director *[Signature]*
 Date Approved as Recorded **1920** Branch Director *[Signature]*

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying **J. C. Archibald, 9 Glen Castle Street, Toronto, Ontario. M4R 1Z5**

1st Rec'd Feb 28/83 Date Certified **Feb 25/83** Certified by (Signature) *J.C. Archibald*

Assessment Work Breakdown

Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey												
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim
<input style="width: 50px; height: 20px;" type="text"/>		<input style="width: 20px; height: 20px;" type="text" value="7"/>		<input style="width: 50px; height: 20px;" type="text"/>		<input style="width: 50px; height: 20px;" type="text"/>		<input style="width: 50px; height: 20px;" type="text"/>		<input style="width: 50px; height: 20px;" type="text"/>		<input style="width: 50px; height: 20px;" type="text"/>

Type of Survey												
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim
<input style="width: 50px; height: 20px;" type="text"/>		<input style="width: 20px; height: 20px;" type="text" value="7"/>		<input style="width: 50px; height: 20px;" type="text"/>		<input style="width: 50px; height: 20px;" type="text"/>		<input style="width: 50px; height: 20px;" type="text"/>		<input style="width: 50px; height: 20px;" type="text"/>		<input style="width: 50px; height: 20px;" type="text"/>

Type of Survey												
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim
<input style="width: 50px; height: 20px;" type="text"/>		<input style="width: 20px; height: 20px;" type="text" value="7"/>		<input style="width: 50px; height: 20px;" type="text"/>		<input style="width: 50px; height: 20px;" type="text"/>		<input style="width: 50px; height: 20px;" type="text"/>		<input style="width: 50px; height: 20px;" type="text"/>		<input style="width: 50px; height: 20px;" type="text"/>

Type of Survey												
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim
<input style="width: 50px; height: 20px;" type="text"/>		<input style="width: 20px; height: 20px;" type="text" value="7"/>		<input style="width: 50px; height: 20px;" type="text"/>		<input style="width: 50px; height: 20px;" type="text"/>		<input style="width: 50px; height: 20px;" type="text"/>		<input style="width: 50px; height: 20px;" type="text"/>		<input style="width: 50px; height: 20px;" type="text"/>

GEOLOGICAL SURVEY

Field Work: 16 days X 10 hr. days X 2 men = 40 Technical days (including linecutting of grid)

**J. C. Archibald, B.Sc. Geologist
9 Glen Castle Street
Toronto, Ontario. M4R 1Z5**

**D. Hunter
P.O. Box 324
Millbrook, Ontario. LOA 1G0**

Office Work: Nov. 10, 12, 15, 16, Dec. 3, 14, 20 = 9 days

**9 days X 8 hrs. - J.C. Archibald 7 days
Hunter 2 days
D. Archibald 2 days typing**



Recorded Holder	NOLAN LAKE EXPLORATIONS INC
Township or Area	ROWAN 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 <u>32</u> 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 666296 to 99 inclusive 666301 to 07 inclusive 527548 to 67 inclusive

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

No credits have been allowed for the following mining claims

<input checked="" type="checkbox"/> not sufficiently covered by the survey	<input type="checkbox"/> Insufficient technical data filed
K 666300	

ASSESSMENT WORK BREAKDOWN

1. Type of Survey GEOLOGICAL SURVEY + Induced Polarization SURVEY
2. Township or Area Rowan Lake Area
3. Numbers of Mining Claims Traversed by Survey 31 of 32 (one lake claim)
K666296 through to 666307 and K 527548 through to K 527567 by geol-
ogical survey ; Claims K 527550 to 554 , K527558 to 562 and K527564 and 565
by the I.P.geophysical survey
4. Number of Miles of Line Cut 16 Flown
- *5. Number of Stations Established 1065
- *6. Make and type of Instrument Used
- *7. Scale Constant or Sensitivity
- *8. Frequency Used and Power Output

9. Summary of Assessment Credits (details on reverse side)

Total 8 hour Technical Days (Include Consultants, Draughting etc.) 115.6

Total 8 hour Line-Cutting Days 95.9

Calculation

$$\frac{115.6}{\text{Technical}} \times 7 = \frac{809.2}{\text{Line-cutting}} + \frac{95.9}{\text{Line-cutting}} = \frac{905.1}{\text{Number of claims}} \div \frac{32}{\text{Number of claims}} = \frac{28.3}{\text{Assessment credits per claim}}$$

The dates listed on this form represent working time spent entirely within the limits of the above listed claims Check

If otherwise, please explain 1 1/2 days spent travelling to property from Toronto for crews is included in total days

Dated: Feb.15,1983.

Signed: *J.C. Campbell*

- Note: (A) * Complete only if applicable.
 (B) Complete list of names, addresses and dates on reverse side.
 (C) Submit separate breakdown for each type of survey.
 (D) Submit in duplicate.

ASSESSMENT WORK BREAKDOWN

10 Hr. Work days

1. FIELD WORK

<u>Type of Work</u>	<u>Name & Address</u>	<u>Dates Worked</u>	<u>Number of 8 hour days</u>
Geophysicist	George F. Beier 11-Mocassin Trail Don Mills, Ont.	Oct. 18 to Nov. 3/82	21.2
Helper	Ian Mickle 40-Willow Beach, Amherstberg, Ont. N9V 2Y8	Oct. 20/82 to Nov. 3	21.2
Helper	Robert Ferguson 245-Rose Pk., Dr., Toronto, Ont. M4T 1R6	Oct. 20/82 to Nov. 3	21.2

2. CONSULTANTS (Geological)

<u>Name & Address</u>	<u>Dates Worked (specify in field or office)</u>	<u>Number of 8 hour days</u>
J. C. Archibald - Office 9 Glen Castle St. Toronto, Ont.	Oct. 6, 7, 17/82 ; Nov. 10, 12, 15, 16, Dec. 3, Field: Oct. 18 to Nov. 3/82	7 20
D. Hunter P. O. Box 324 Millbrook, Ontario.	LOA 160 Field: Oct. 18 to Nov. 3/82.	20

3. DRAUGHTSMAN, TYPING, OTHERS (specify)

<u>Name & Address</u>	<u>Type of Work</u>	<u>Dates Worked</u>	<u>Number of 8 hour days</u>
D. P. Archibald 702- 100 Adelaide St. West Totonto, Ont. M5H1G3	Typing	Dec. 14, 15, 20	3

TOTAL 8 HOUR TECHNICAL DAYS 115.6

4. LINE-CUTTING

<u>Name</u>	<u>Address</u>	<u>Dates Worked</u>	<u>Number of 8 hour days</u>
John A. Jamieson	Box 111 Notre Dame Du Nord Quebec J0Z 3B0	Oct. 19 to Nov. 1/82 Sept. 27 to Oct. 11	17.5 19
Ian Mickle	40 Willow Beach, Amherstberg, Ont. N9V 2Y8	Oct. 3 to Oct. 19/82.	21.2
Rob Ferguson	245 Rose Pk. Dr., Totonto, Ont. M4T 1R6	Oct. 3 to Oct. 19/82.	21.2
B. Jamieson	Box 1111 Notre Dame du Nord, P.Q. J0Z 3B0	Sept. 27 to Oct. 11/82.	19

TOTAL 8 HOUR LINE-CUTTING DAYS 95.9



Ministry of
Natural
Resources

Ontario

MAY 4, 84

1984 04 13

Your File: 53-83
Our File: 2.5596

Mr. Wade S. Mathew
Mining Recorder
Ministry of Natural Resources
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. F.W. Matthews at 416/965-6918.

Yours very truly,

A handwritten signature in cursive script, appearing to read 'S.E. Yndt'.

S.E. Yndt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1316

R. Pichette:mc

Encls.

cc: Nolan Lake Explorations Inc
Suite 806
88 University Avenue
Toronto, Ontario
M5J 1T6

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

FILE



Ministry of
Natural
Resources

Ontario

Notice of Intent
for Technical Reports

1984 04 13

2.5596/53-83

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 his 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 direct to the Lands Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

REGISTERED

January 30, 1984

Our File: 2,5596

Nolan Lake Explorations Inc
Suite 806
88 University Avenue
Toronto, Ontario
M5J 1T6

Dear Sirs:

RE: Geological Survey submitted on Mining Claims
K 666296 et al in the Area of Rowan

Enclosed is a copy of our letter dated August 9, 1983,
requesting additional information for the above-mentioned
survey.

Unless you can provide the required data by February 10,
1984, the mining recorder will be directed to cancel the
work credits recorded on March 31, 1983.

For further information, please contact Mr. F.W. Matthews
at (416)965-1380.

Yours very truly,

J.R. Morton
Acting Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416)965-1380

R. Pichette:mc

cc: Mining Recorder
Kenora, Ontario

cc: J.C. Archibald
9 Glen Castle Street
Toronto, Ontario
M4R 1Z5

Encl.

Feb 8 / 84
- Archibald has
inform me that
maps are on there
Way
Ry

August 9, 1983

2.5596

Mr. J.C. Archibald
9 Glen Castle Street
Toronto, Ontario
M4R 1Z5

Dear Sir:

RE: Geological Survey on Mining Claims K 666296 et al
in the Rowan Lake Area

Returned herein is the geological plan (in duplicate) for the above-mentioned survey. Please sign each copy of the map and return them quoting file 2.5596.

Also, please provide a key map (in duplicate) showing the location of the property.

For further information, please contact Mr. F.W. Matthews at (416)965-1380.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416)965-1380

S. Hurst:mc

Encl.

cc: Mining Recorder
Kenora, Ontario

cc: Nolan Lake Explorations Inc
Suite 806
88 University Avenue
Toronto, Ontario
M5J 1T6



Mining Lands Comments

no comment required

To: Geophysics

Comments

Approved

Wish to see again with corrections

Date

Signature

To: Geology - Expenditures

Mr. Kustra.

Comments
when you inform owner of claims of acceptance of credits, please adv that in future, a key map must be included as part of the geological plan

Approved

Wish to see again with corrections

Date

July 26/83

Signature

C. Kustra

To: Geochemistry

Comments
LO

Approved

Wish to see again with corrections

Date

Signature

To: Mining Lands Section, Room 6462, Whitney Block.

(Tel: 5-1380)

53-83 527548

1983 06 21

2.5596

Mr. Wade Mathew
Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5160
Kenora, Ontario
P9N 3X9

Dear Sir:

We have received reports and maps for a Geological survey submitted under Special Provisions (credit for Performance and Coverage) on mining claims K527548 et al in the Area of Rowan Lake.

This material will be examined and assessed and a statement of assessment work credits will be issued.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416) 965-1380

A. Barr:mc

cc: Nolan Lake Explorations Inc
Suite 806
88 University Avenue
Toronto, Ontario
M5J 1T6

cc: J.C. Archibald
9 Glen Castle Street
Toronto, Ontario
M4R 1Z5

2.5596

1984 05 09

Your File: 53-83
Our File: 2.5596

Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5080
Kenora, Ontario
P9N 3X9

Dear Sir:

RE: Geological Survey on Mining Claims K 666296
et al in the Area of Rowan

The Geological Survey assessment work credits as listed with my Notice of Intent dated April 13, 1984 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,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416)965-6918

R. Pichette:mc

cc: Nolan Lake Explorations Inc
Suite 806
88 University Avenue
Toronto, Ontario
M5J 1T6

cc: Resident Geologist
Kenora, Ontario

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

Encl.

K 666296	3/4				
297	1/2				
(*) 289	1/2				
299	1/2				
300	0				
301	3/4				
302	3/4				
303	✓				
304	1/4				
305	3/4				
306	1/2				
307	3/4				
527548	✓				
549	✓				
550	✓				
551	✓				
552	✓				
553	✓				
554	✓				
555	✓				
556	✓				
557	✓				
558	✓				
559	✓				
560	✓				
561	✓				
562	✓				
563	✓				
564	✓				
565	✓				
566	3/4				
567	1/4				
(9)		(28)			
<u>31x40</u>	(32)				
38					

(12/31)

ROWAN LAKE

DISTRICT OF
KENORA

KENORA
MINING DIVISION

SCALE: 1-INCH 40 CHAINS

LEGEND

- PATENTED LAND ● or (P)
- CROWN LAND SALE C.S
- LEASES L
- LOCATED LAND Loc.
- LICENSE OF OCCUPATION L.O.
- MINING RIGHTS ONLY M.R.O.
- SURFACE RIGHTS ONLY S.R.O.
- ROADS —
- IMPROVED ROADS —
- KING'S HIGHWAYS —
- RAILWAYS —
- POWER LINES —
- MARSH OR MUSKEG —
- MINES —
- CANCELLED PATENTED S.R.O. —

NOTES

400' Surface Rights Reservation along the shores of all lakes and rivers

AREAS WITHDRAWN FROM DISPOSITION

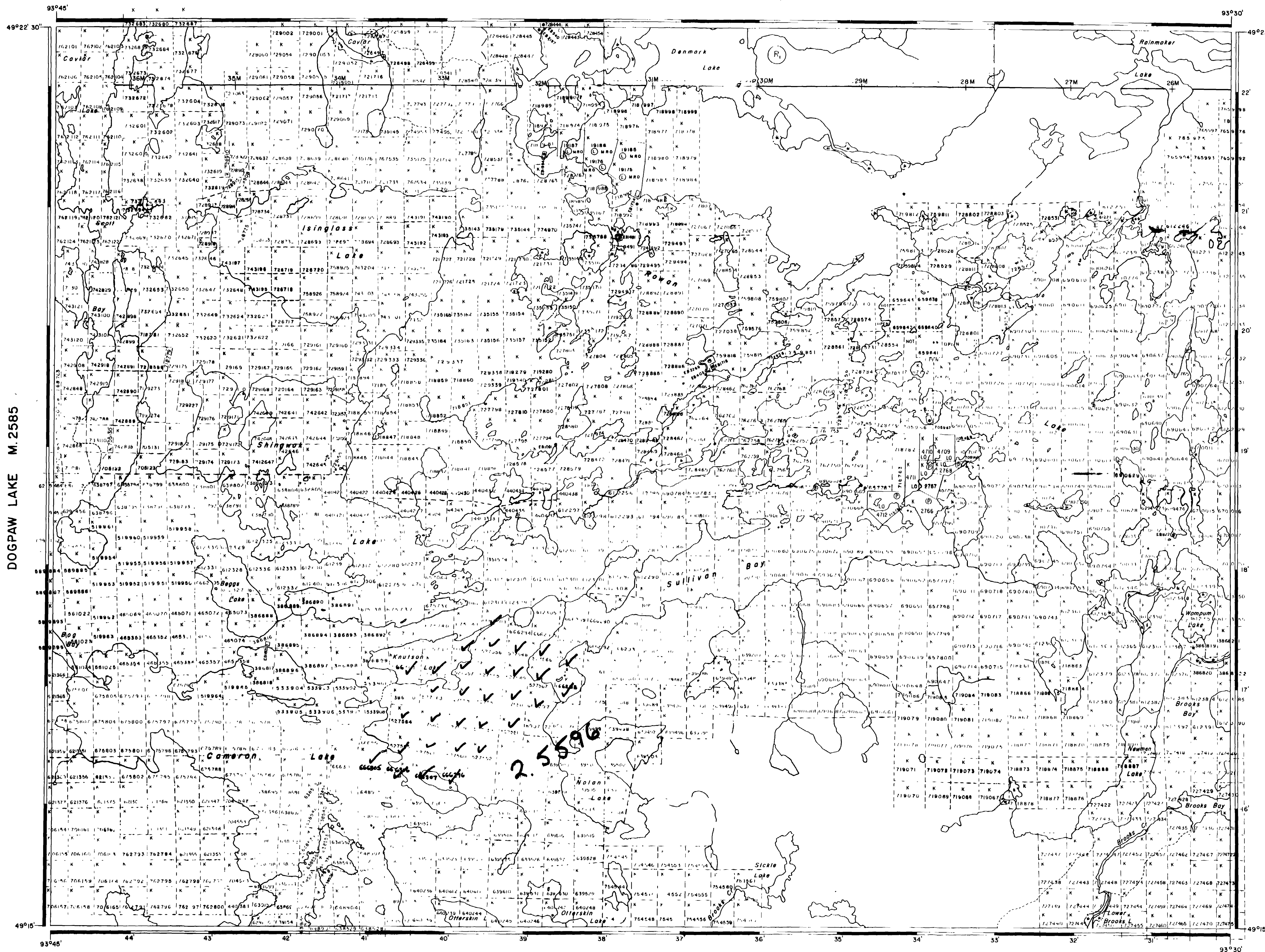
Description	Order No.	Date	Disposition	File
M.R.O.			MINING RIGHTS ONLY	
S.R.O.			SURFACE RIGHTS ONLY	
M.S.			MINING AND SURFACE RIGHTS	
SEC 16/80	W 16/83	28.6/83	M.S.	188221

DATE OF ISSUE
FEB 28 1984
 Ministry of Natural Resources
 TORONTO

NATIONAL TOPOGRAPHIC SERIES 52 F5

PLAN NO. **M.2580**

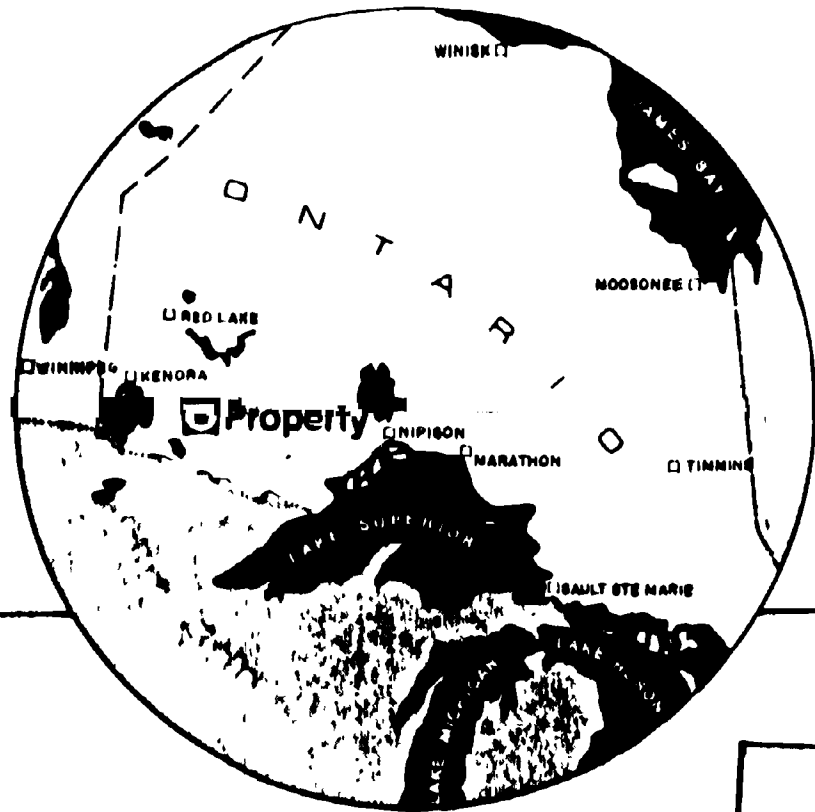
ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH



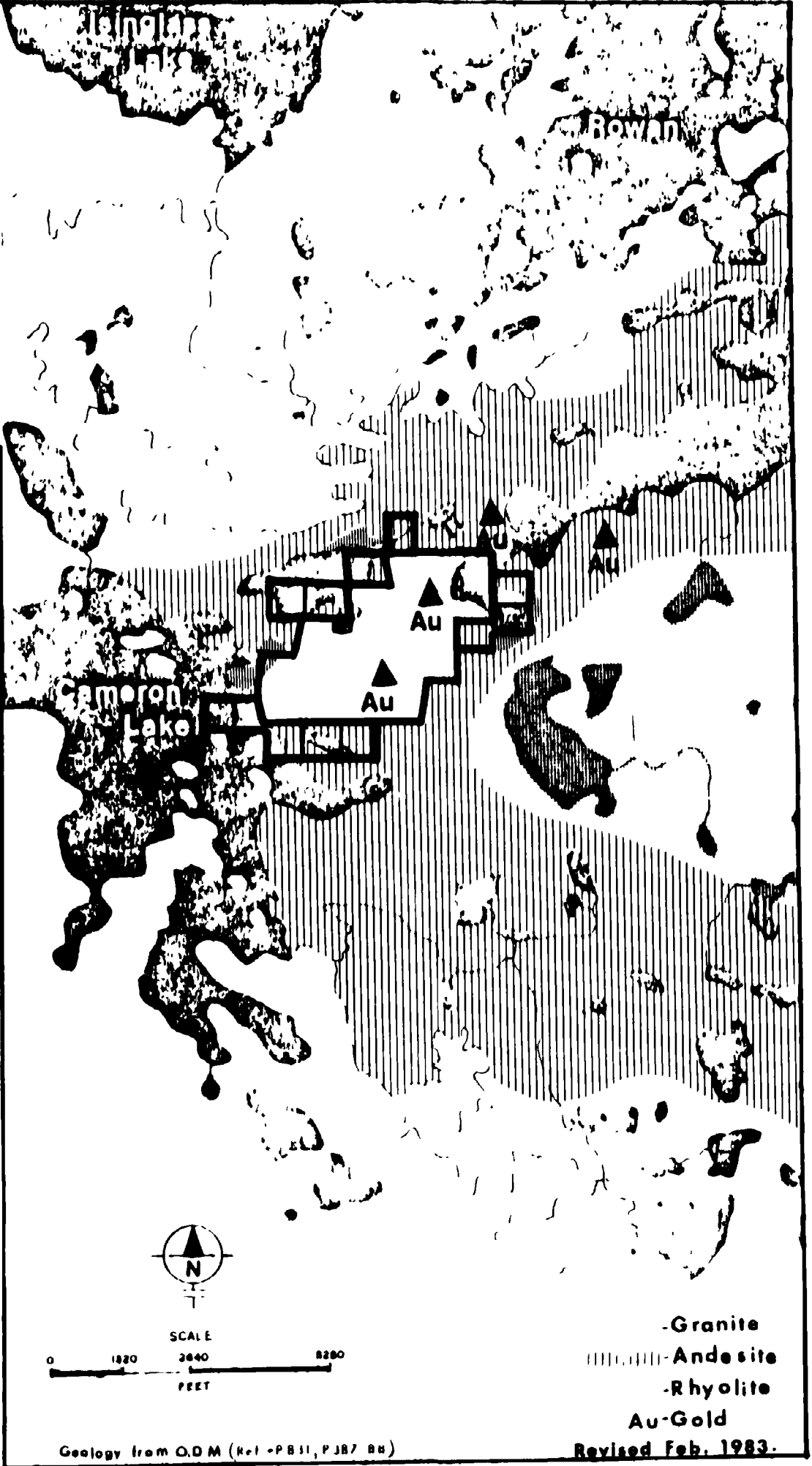
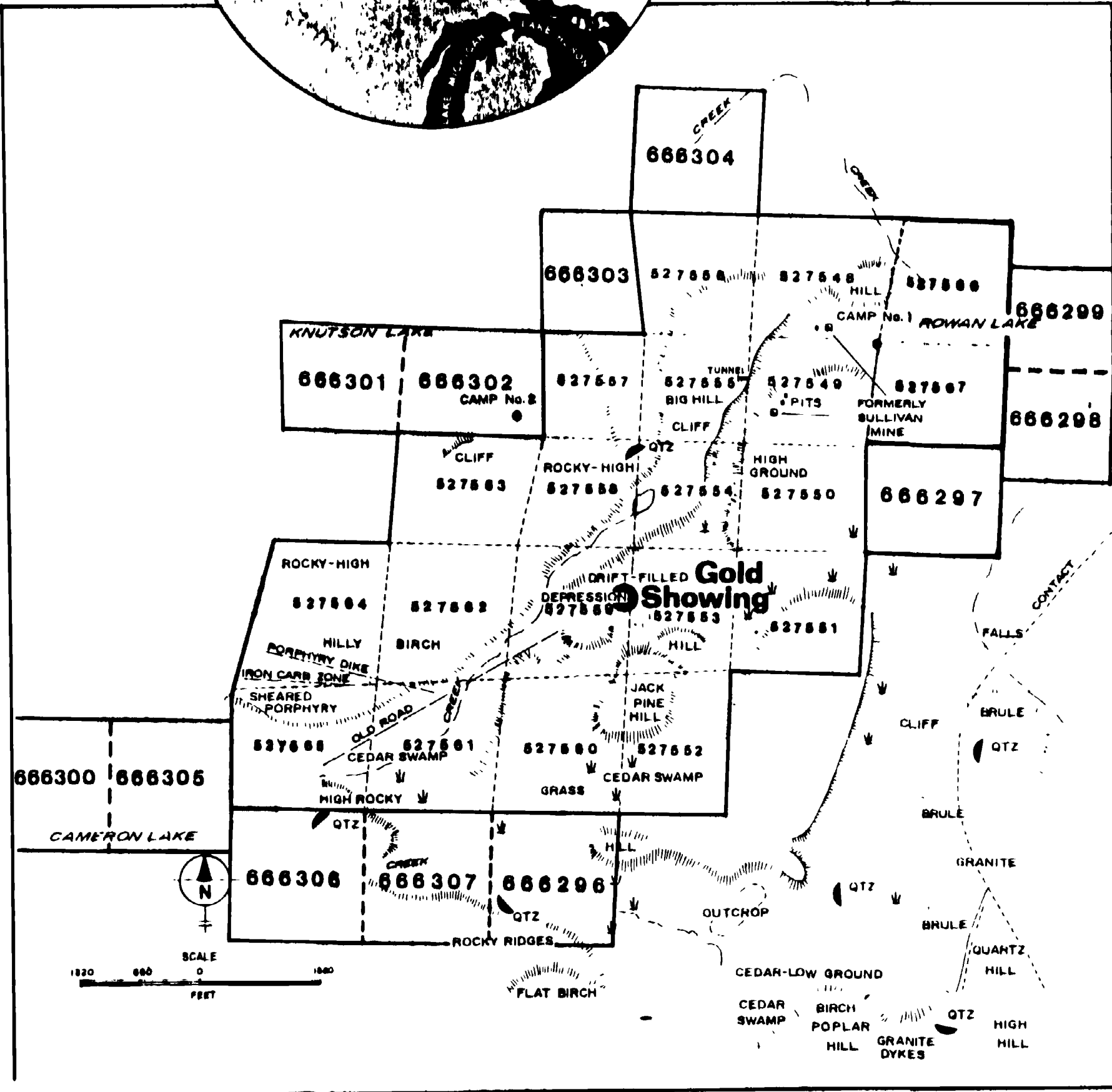
BROOKS LAKE M.2473

LAWRENCE LAKE M.2579





APRIL 1979



LOCATION PLAN CANOLAN RESOURCES LTD.

Rowan Lake area ; District of Kenora

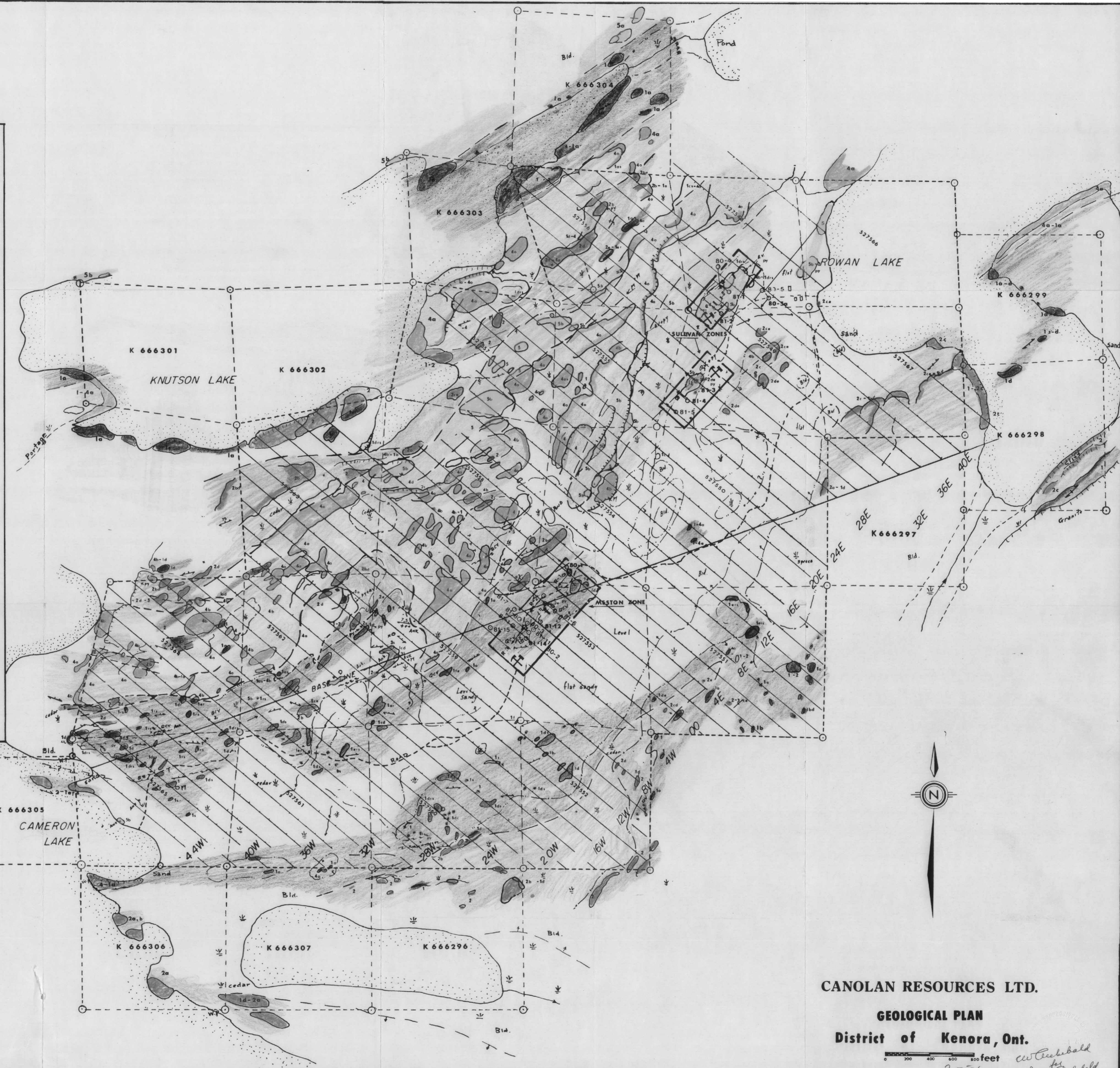
File 2-5596 **PLATE 1**
*Old Trans. sketch
 for J.C. Campbell*



LEGEND

- 5. FELSIC INTRUSIVE ROCKS
 - a QUARTZ-EYE SERICITE SCHIST
 - b QUARTZ-FELDSPAR PORPHYRY
 - r PERVASIVELY CARBONATIZED
 - s SCHIST-PHYLLITE
- 4. MAFIC INTRUSIVE ROCKS
 - a GABBRO
 - b DIORITE
 - p PEGMATITIC
 - q QUARTZ-BEARING
- 3. FELSIC VOLCANIC ROCKS, UNSUBDIVIDED
 - r PERVASIVELY CARBONATIZED
 - s SCHIST-PHYLLITE
 - t BEDDED CALCAREOUS, PYRITIC TUFF
- 2. INTERMEDIATE VOLCANIC ROCKS, UNSUBDIVIDED
 - a MASSIVE FELDSPATHIC LAVA
 - b MASSIVE FELDSPATHIC TUFF
 - c BEDDED FELDSPATHIC TUFF
 - d LAPILLI TUFF, TUFF BRECCIA
 - e THIN BEDDED 'CHERTY' ASH-TUFF
 - q QUARTZ PHENOCRYSTS
- 1. MAFIC VOLCANIC ROCKS, UNSUBDIVIDED
 - a MASSIVE LAVA
 - b PILLOW LAVA
 - c FRAGMENTAL LAVA-PILLOW BRECCIA
 - d AMYGDALOIDAL LAVA
 - e TUFF, 'SLATEY' TUFF
 - r PERVASIVELY CARBONATIZED
 - s SCHIST-PHYLLITE

- SMALL BEDROCK OUTCROP, LARGE BEDROCK OUTCROP
- AREA OF CEDAR SWAMP OR A BOG
- APPROXIMATE BOUNDARY OF OUTCROP AREA WITH DRIFT COVERED AREA
- GEOLOGICAL BOUNDARY (APPROXIMATE)
- GEOLOGICAL BOUNDARY, INTERPRETED FROM GEOPHYSICS
- BEDDING ATTITUDE, DIRECTION OF TOPS UNKNOWN
- FOLIATION ATTITUDE, DIP KNOWN, DIP INDETERMINABLE
- ZONE OF SHEARING, DIRECTION OF DIP INDICATED
- DIAMOND DRILL HOLE, INCLINATION AND AZIMUTH SHOWN
- GOLD PROSPECT
- CLAIM POST AND NUMBER
- WITNESS CLAIM POST
- I.P. RESISTIVITY LOW, N-S
- PROMINENT ROCK RIDGE
- PYRITE Py
- MAGNETITE MAG
- TRENCH Tr
- QUARTZ-CARBONATE VEINS, STRINGERS QCV, QCS
- CARBONATE VEIN, QUARTZ VEINS CV, QV



CANOLAN RESOURCES LTD.

GEOLOGICAL PLAN
District of Kenora, Ont.

0 200 400 600 800 feet

W. C. C. C. C.
J. C. C. C.

