

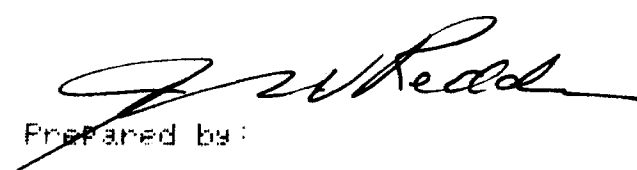


52J02SE0668 2.11390 SQUAW LAKE

010

REPORT ON  
GEOCHEMICAL ORIENTATION SURVEY  
ON THE  
ROBERECKI PROPERTY  
SQUAW LAKE AREA  
PATRICIA MINING DIVISION  
ONTARIO

**RECEIVED**  
JUL 12 1988  
MINING LANDS SECTION



Prepared by:

J. W. Redden, B. Sc.  
Box 117  
Wabigoon, Ont.

June 12, 1988

*Jul  
2.1988*

### Introduction:

The Sturgeon Lake Area has been the scene of mining exploration for almost a hundred years. Numerous gold prospects have been discovered. It has only been in the last few years that systematic exploration has been undertaken.

Presently, several properties in the area are being explored for gold.

Mr. F. Robenecki of Riverton, Manitoba holds two claims on the east side of the north bay of Sturgeon Lake.

### Location and Access

The Robenecki Claims are located in Northwestern Ontario, 30 km southwesterly from Savant Lake, Ontario.

It is most conveniently reached by outboard motor boat from camps along the northwest part of the lake.

### The Claims

The property consists of two claims; Pa 612056 and Pa 612057. Both claims are in good standing.

## Previous Work in Area

The claim block is situated between several small Past-Producers and showings. The area has been actively Prospected for Gold since the 1890's.

No work Prior to the Present owner is on file for the area of the claims.

Trenching and stripping has been carried out on the leased claim Pa 38180 adjoining to the north. A high grade quartz vein carrying considerable chalcopryite was bulk sampled. No assay data is available. The wallrock is highly altered and Pyritized.

Selco carried out a base metal exploration in the late 1960's and early 70's in the area. One hole was drilled 400 feet east of the claim line. The drill log indicates diorite, andesite, a variety of felsic volcanics and Graphite were intersected. Sulphides were Present as was carbonatization. Silicification is not specified but would appear to be Present. Samples were taken but no assays are given. During this Period Gold assays were not routine determinations for most companies due to the general lack of interest in Precious metals.

Mistango carried out Geophysical and Geological surveys during the mid 1980's. Nothing of note was discovered.

E. Robenecki has done stripping, sampling and assaying on the claims. One sample returned 0.2 oz./ton Au across 3'. This sample appears to be from an east-west trending shear near the centre of the claims a feet hundred feet south of Pa 38180.

E. Robenecki also collected humus samples to determine the value of humus Geochemistry as an exploration technique.

## Geology

According to O. G. S. Map 2420 the land Portion of the claims is underlain by mafic volcanics. Granite occurs along the shore of Sturgeon Lake.

The general trend of the volcanics is east-west to east northeast. The trend curves to almost due north within a claim width east of the claims. The volcanics to the west are truncated by the intrusive Granite.

## Geochemical Orientation Survey

A total of 58 humus samples were collected by E. Robenecki to check out this method for gold exploration on the claims.

The sample locations were first cleared of the undecomposed leaves. The humus layer and the underlying mixed humus and mineral soil layer were collected.

Analyses were done in the lab of the Manitoba Energy and Mines Department.

Sample locations are shown on the attached map. Analytical results are also attached.

## Results

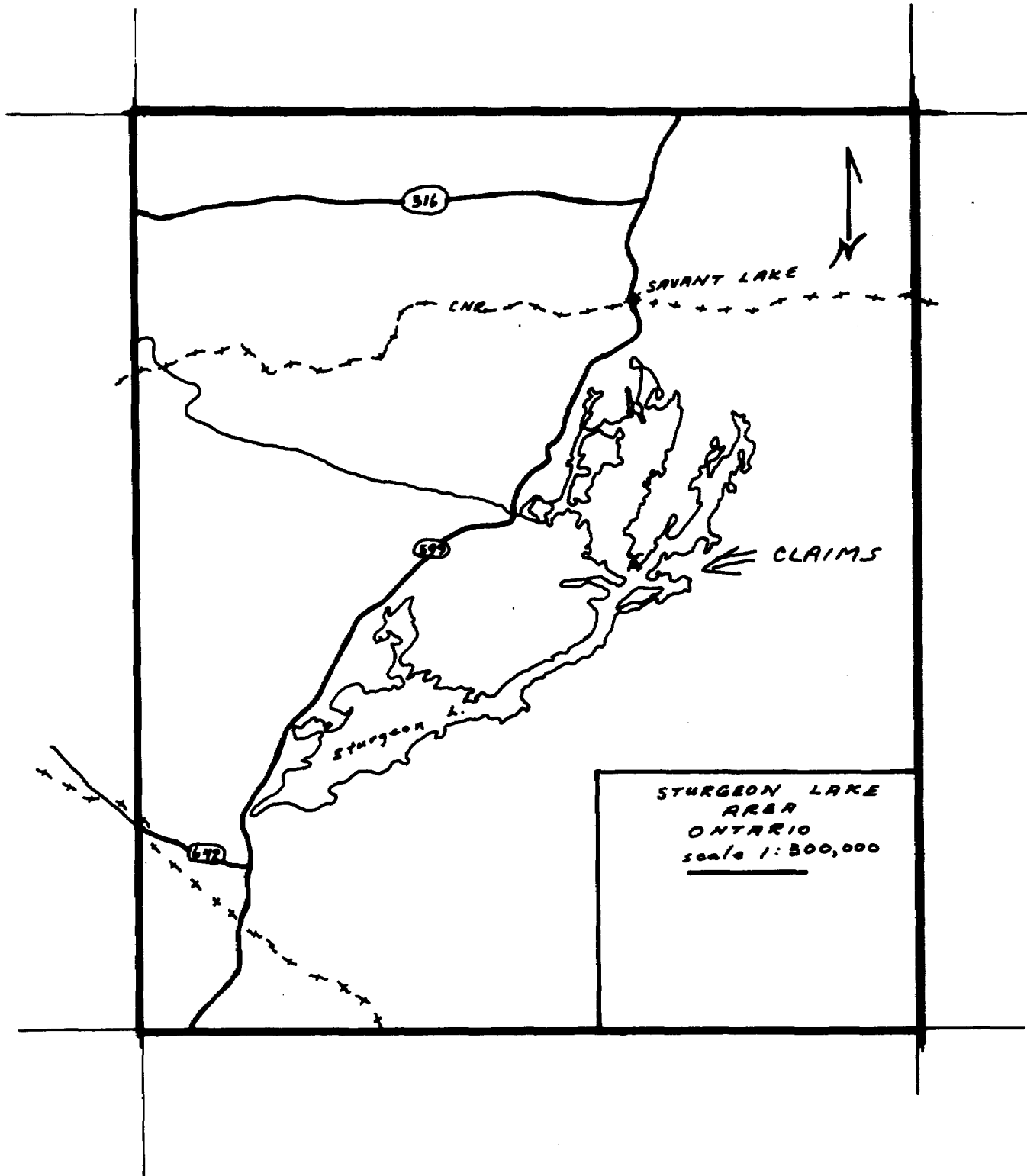
Only three of the samples contained >12PPb Au. The three samples are not contiguous. Of the three "anomalous" values obtained, it appears likely that the gold in at least two of them occurred in the mineral soil portion.

## Conclusions

1. Humus geochemical techniques using gold do not appear to be suitable to locate gold-bearing zones in this area.
2. Soil geochemical techniques may be useful to locate gold-bearing zones.

## Recommendations

1. The known gold-bearing zone on Pa 38180 is associated with substantial chalcopryrite. Using copper as one of the indicators of gold mineralization may prove more satisfactory. Prior to any geochemical survey the signatures of all varieties of mineralization should be obtained. Further consideration of geochemical methods can be evaluated at that time.
2. Detailed geological mapping and prospecting, followed by stripping and sampling is warranted.
3. Additional work would be based on the results obtained from 1. and 2.



516

SAVANT LAKE

CNR

525

CLAIMS

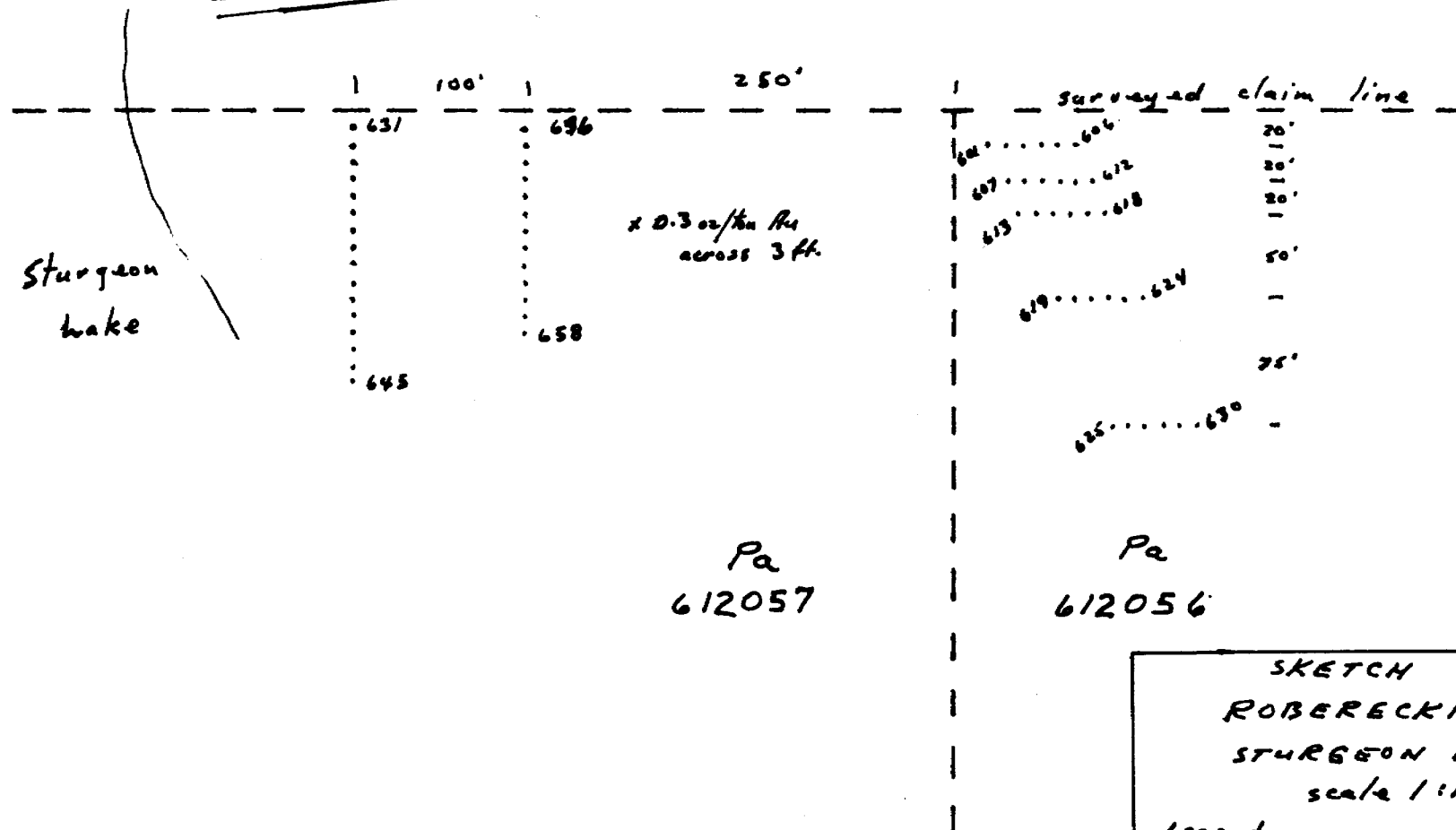
Sturgeon L.

672

STURGEON LAKE  
AREA  
ONTARIO  
scale 1:500,000

Pa 38180 (Leased)

approximate location of Rickaby vein



SKETCH MAP  
ROBERECKI CLAIMS  
STURGEON LAKE, ONTARIO  
scale 1:1200

Legend

- Human sample location = 645  
(number refers to sample #)
- claim line ---

J.W.R. June '88

Manitoba  
Energy and  
Mines  
Geological Services  
Analytical Laboratory



Samples submitted by:

Date February 21, 1986

Mr. Ed Roberecki  
Riverton, Manitoba  
ROC 2RO

LABORATORY NO.	SAMPLE IDENTIFICATION	GOLD ounces per TON	SILVER ounces per TON	Au ppb	%	%	%	SAMPLE WEIGHT in POUNDS
853601	1 + 20E			<12				
853602	1 + 30E			17.1				
853603	1 + 40E			<12				
853604	1 + 50E			<12				
853605	1 + 60E			<12				
853606	1 + 70E			<12				
853607	2 + 20E			<12	<div style="border: 2px solid black; padding: 5px; text-align: center;"> <p><b>REPORTED</b></p> <p><b>FEB 21 1986</b></p> <p>ANALYTICAL LAB ENERGY &amp; MINES</p> </div>			
853608	2 + 30E			<12				
853609	2 + 40E			<12				
853610	2 + 50E			<12				
853611	2 + 60E			<12				
853612	2 + 70E			<12				
853613	3 + 20E			<12				
853614	3 + 30E			<12				
853615	3 + 40E			<12				
853616	3 + 50E			<12				

Chief Chemist

*J. Gregor*



Manitoba  
Energy and  
Mines  
Geological Services  
Analytical Laboratory



Samples submitted by:

Date February 21, 1986

Mr. Ed Roberecki

LABORATORY NO.	SAMPLE IDENTIFICATION	GOLD ounces per TON	SILVER ounces per TON	Au ppb	%	%	%	SAMPLE WEIGHT in POUNDS
853617	3 + 60E			<12				
853618	3 + 70E			<12				
853619	4 + 20E			<12				
853620	4 + 30E			<12				
853621	4 + 40E			<12				
853622	4 + 50E			<12				
853623	4 + 60E			<12				
853624	4 + 70E			<12				
853625	5 + 20E			<12				
853626	5 + 30E			<12				
853627	5 + 40E			<12				
853628	5 + 50E			<12				
853629	5 + 60E			<12				
853630	5 + 70E			<12				
853631	1 + 20W			<12				
853632	1 + 30W			<12				

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FEB 21 1986  
ANALYTICAL LAB  
ENERGY & MINES

Chief Chemist

*J. Gregorich*

Manitoba  
Energy and  
Mines  
Geological Services  
Analytical Laboratory



Samples submitted by:

Date February 21, 1986

Mr. Ed Roberecki

LABORATORY NO.	SAMPLE IDENTIFICATION	GOLD ounces per TON	SILVER ounces per TON	Au ppb	%	%	%	SAMPLE WEIGHT in POUND
853633	1 + 40W			<12				
853634	1 + 50W			28.5				
853635	1 + 60W			<12				
853636	1 + 70W			<12				
853637	1 + 80W			<12				
853638	1 + 90W			<12				
853639	1 + 100W			<12				
853640	1 + 110W			<12				
853641	1 + 120 W			<12				
853642	1 + 130W			<12				
853643	1 + 140W			<12				
853644	1 + 150W			<12				
853645	1 + 160W			<12				
853646	2 + 20W			<12				
853647	2 + 30W			<12				
853648	2 + 40W			<12				

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FEB 21 1986  
ANALYTICAL LAB  
ENERGY & MINES

Chief Chemist J. [Signature]

Manitoba  
Energy and  
Mines  
Geological Services  
Analytical Laboratory



Samples submitted by:

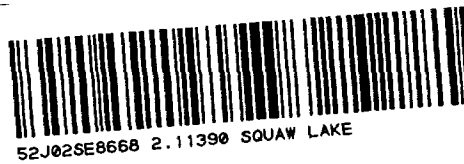
Mr. Ed Roberecki

Date February 21, 1986

LABORATORY NO.	SAMPLE IDENTIFICATION	GOLD ounces per TON	SILVER ounces per TON	Au ppb %	%	%	%	SAMPLE WEIGHT in POUNDS
853649	2 + 50W			<12				
853650	2 + 60W			<12				
853651	2 + 70W			<12				
853652	2 + 80W			<12				
853653	2 + 90W			<12				
853654	2 + 100W			<12				
853655	2 + 110W			<12				
853656	2 + 120W			<12				
853657	2 + 130W			1059				
853658	2 + 140W			<12				
853659	no i.d.			<12				

**REPORTED**  
FEB 21 1986  
ANALYTICAL LAB  
ENERGY & MINES

Chief Chemist J. [Signature]



MINERALS

#69

Min

Type of Survey(s) **EXPENDITURE** Township or Area **SQUAW LAKE AREA G-3140**

Claim Holder(s) **E. ROBERECKI** **2.11390** Prospector's Licence No. **H 9790**

Address **RIVERTON, MANITOBA**

Survey Company **J. W. REDDEN** Date of Survey (from & to) **10 03 88** to **20 03 88** Total Miles of line Cut **—**

Name and Address of Author (of Geo-Technical report) **J. W. REDDEN Box 117 WABIGOON ONT P0V2W0**

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	
	- Other	
For each additional survey: using the same grid: Enter 20 days (for each)	Geological	
	Geochemical	
	Geophysical	Days per Claim
	Man Days	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
Geological	Geological	
	Geochemical	
	Electromagnetic	
	Magnetometer	
Radiometric		

Mining Claims Traversed (List in numerical sequence)			
Mining Claim	Expend. Days Cr.	Mining Claim	Expend. Days Cr.
Prefix	Number	Prefix	Number
<b>Pa</b>	<b>612056</b>		<b>40</b>
	<b>612057</b>		<b>40</b>
<b>RECEIVED</b>			
<b>APR 8 1988</b>			
<b>MINING LANDS SECTION</b>			
<b>RECEIVED</b>			
<b>MAR 15 1988</b>			
<b>PATRICIA-MINING DIVISION</b>			

Expenditures (excludes power stripping)

Type of Work Performed **CONSULTANT'S STUDY**

Performed on Claim(s) **both SECTION 77-19**

Calculation of Expenditure Days Credits

Total Expenditures **\$ 1200<sup>00</sup>** ÷ Total Days Credits **15** = **80**

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.

Total number of mining claims covered by this report of work **2**

Date **MARCH 13/88** Recorded Holder or Agent (Signature) *J. W. Redden*

For Office Use Only

Total Days Cr. Recorded **80** Date Recorded **MARCH 15, 1988** Mining Recorder *[Signature]*

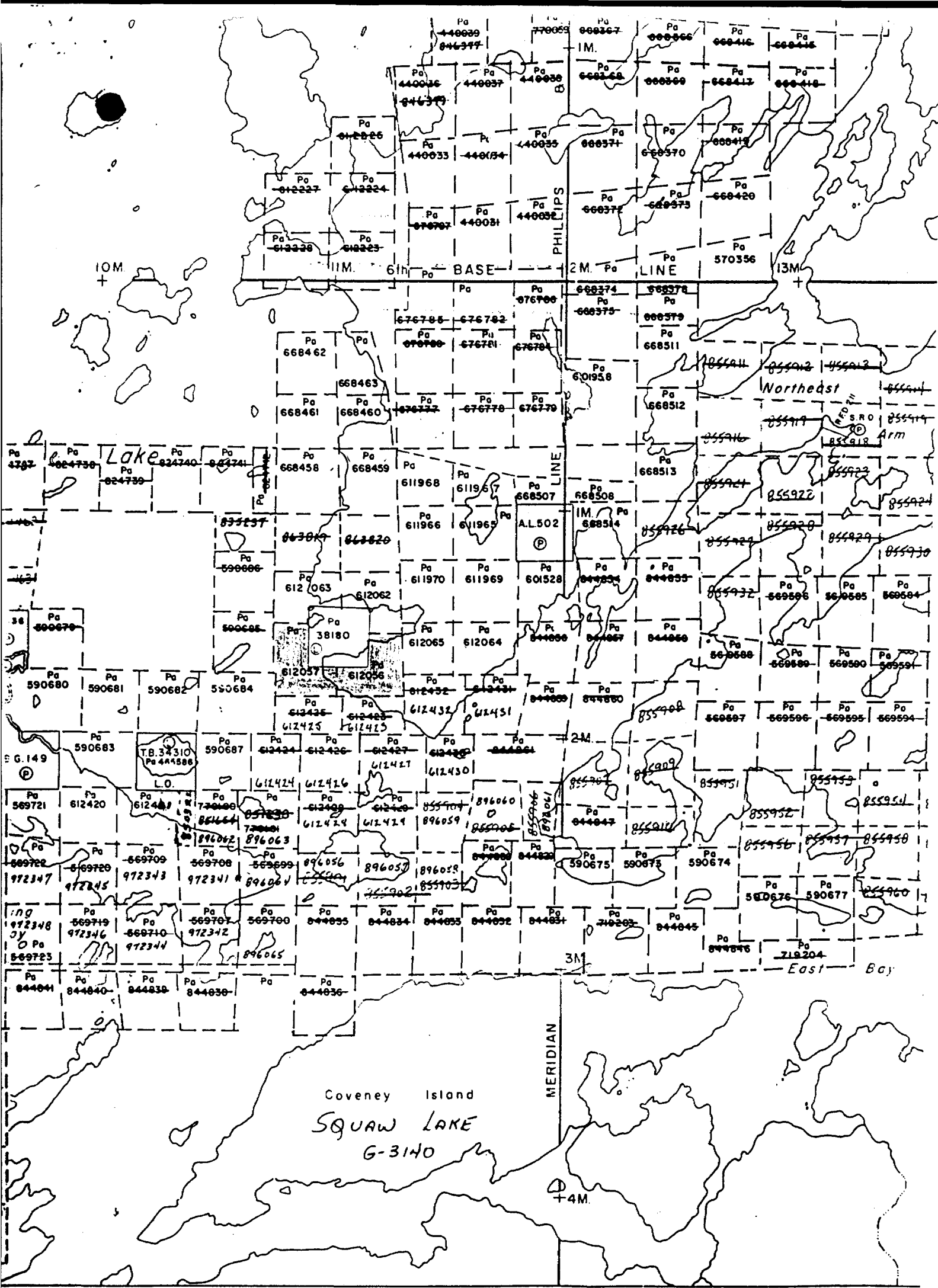
Date Approved as Recorded **Aug 19/88** Branch Director *[Signature]*

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. W. REDDEN**

**Box 117, Wabigoon Ont P0V2W0** Date Certified **MAR 13/88** Certified by (Signature) *J. W. Redden*



10M

Lake

Northeast

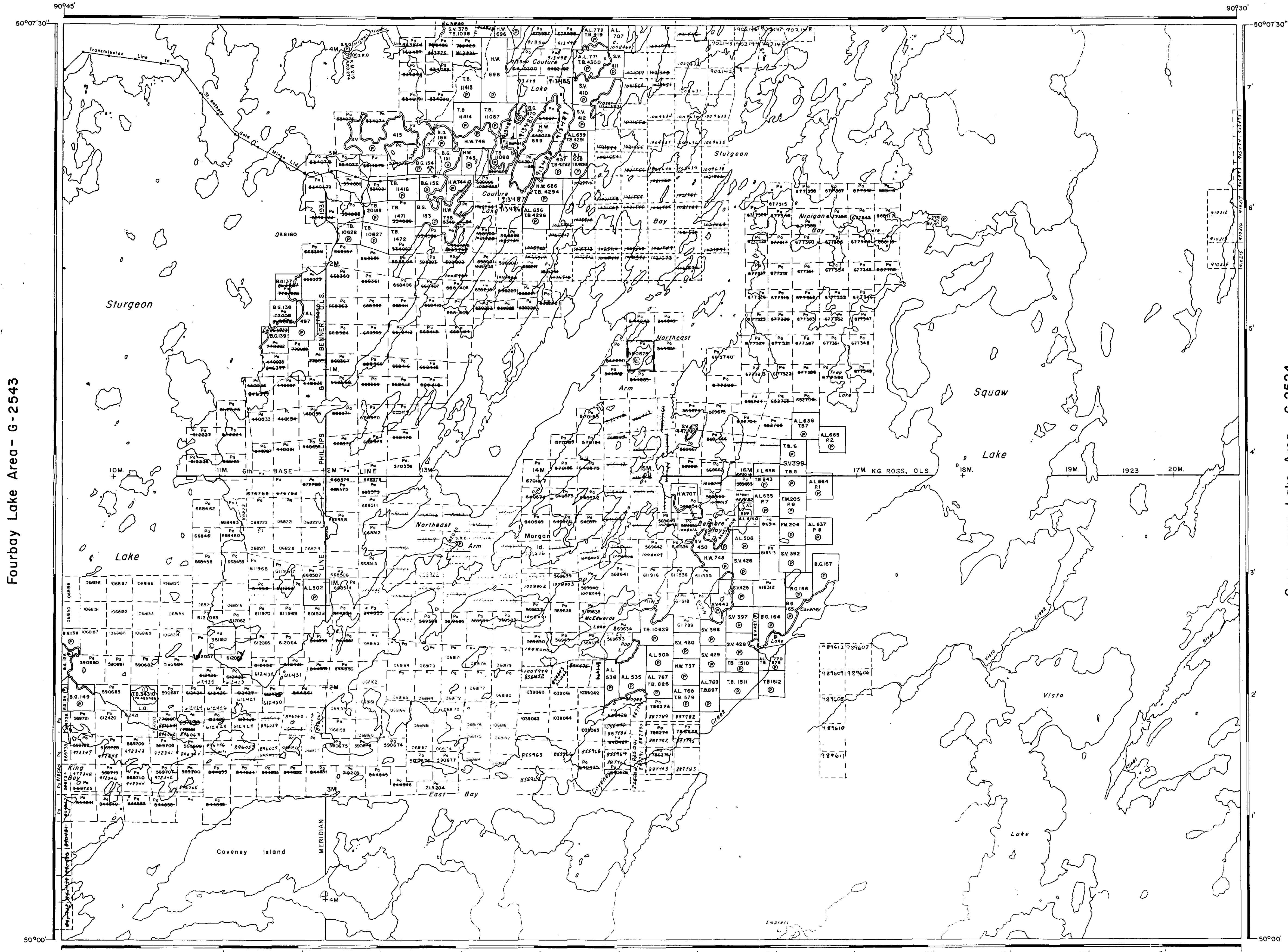
ARM

MERIDIAN

Coveney Island  
SQUAW LAKE  
G-3140

East Bay

Beckington Lake Area G-2532



Fourbay Lake Area - G-2543

Seseganaga Lake Area - G-2524

Quest Lake Area - G-2556

LEGEND

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

- C.S.
- Loc.
- M.R.O.
- S.R.O.

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
21 Sec 26 30	40 20 18 6	86 04 21	S+P	2579 Vol 19
F-6 2185				
SEPT 23/85		6/7/86		
02 25/85		Nov 4/86		
Nov 1/85		Nov 5 86		
				MAY 6/87
				MAY 21/87
				APR 17, 1986
				July 13/87
				Feb. 13/87
				Nov 21/87
				Nov 16/87
				MAR 18/88
				APRIL 29/88 R.R.
				May 20/88

AREA SQUAW LAKE

M.N.R. ADMINISTRATIVE DISTRICT  
**IGNACE**  
 MINING DIVISION  
**PATRICIA**  
 LAND TITLES / REGISTRY DIVISION  
**THUNDER BAY**



Ministry of Natural Resources  
 Land Management Branch  
 Ontario

Date FEBRUARY, 1984  
 Number **G-3140**

