

2.8349
Sample to
6/11 NW
(126)

SIXMILE LAKE
52 9/15 NW
(126)

PATRICIA MINING DIV.
R E C E I V E D
JUL 19 1985
A.M. P.M.
7 8 9 10 11 12 1 2 3 4 5 6



010

REPORT ON THE
STURGEON NARROWS PROPERTY
(Pa704623 Pa810419-423, Pa815752-757)
Patricia Mining Division -- Ontario

PROPERTY
TO BE
MAINTAINED SECRET

prepared by: *J. W. Redden*
J. W. Redden, B.Sc.
Box 117
Wabigoon, Ont.
POV 2W0

July 22, 1985

Introduction

The Sturgeon Narrows property has been the scene of previous exploration. The present report represents a re-evaluation of this work and recommends the scope and orientation of future work.

Location and Access

The property is located on Sturgeon Lake about 19 miles south of Savant Lake, Ontario. Access to the property is via Elk Road, one of a series of logging roads joined to the Six Mile Lake Road. The Six Mile Lake Road branches off Hwy. 599 about 12 miles south of Savant Lake. Road distance to the property from Hwy. 599 is 8 miles.

Previous Work

The earliest work on the property was trenching of the gold showing on the shoreline of Sturgeon Narrows. This was likely carried out in the late 1890's or early 1900's but no documentation is available from this period. The property was apparently patented until some time in the 1960's when it was forfeited to the Crown.

The property was staked for W. G. Wahl Ltd. to cover the airborne magnetic high on the present claim group. Also included was a R. E. showing exposed by trenching just south of Sturgeon Narrows. During 1969 Wahl completed a magnetic survey and 5 diamond drill holes of which 4 holes occur on the present property. An EM survey was conducted but not reported for assessment work.

During 1970 Selco drilled two holes on an EM conductor immediately north of the present property. One of the holes straddles the present property.

Falconbridge Nickel Mines Limited optioned the property from S. Johnson in 1973. Between February and June 1974 Falconbridge carried out linecutting, diamond drilling, magnetic, EM and IP surveys, trenching, sampling and geological mapping.

In 1983, J. W. Redden acquired PA704623. In addition to a preliminary report limited stripping on the main gold showing and prospecting have been carried out.

EVALUATION OF PREVIOUS WORK
Evaluation of Previous Work

The work by W. G. Wahl Ltd. in 1969 was apparently carried out principally for rare earths. Analyses for rare earths and fluorine tend to confirm this view. Four analyses for gold were done on hole 69-4 returning 3.5' of 0.10 oz./ton Au followed by 3' of 0.07 oz./ton followed by 2' of trace from 96.5 to 105' and nil over 2" at 130'. Concerning the gold Wahl states "The gold values are anomalous and would require more investigation if the price of gold was increased."

The Selco drilling was to investigate a strong E-M conductor. The conductor was logged as barren sulphides and graphite. Samples were taken for assay but no results are available.

Falconbridge conducted the largest exploration programme and the only programme specifically for gold. The listing of their work under 'Previous Work' is chronological. That is to

say that the diamond drilling was started before the geophysics and the surface sampling and geological mapping were done at or near the completion of the drilling. This is an unusual sequence of exploration. Locations sampled by the Falconbridge crew which returned negative results were resampled and returned assays up to several ounces per ton Au.

Present Study

The present study was directed primarily at evaluating Falconbridge data to determine future work on the property.

The original Falconbridge magnetic survey was redrawn and recontoured. This map (Map85-04 attached) demonstrates a strong correlation between the main gold-bearing zone and a magnetic low. Two other gold bearing zones of unknown extent correlate with magnetic lows on the point opposite the main showing.

The EM and IP surveys were not suitable techniques to detect the gold mineralization.

Field observations demonstrate that gold is present in flat-lying pyrite zones 4-12 inches separated by several feet of low (trace to 0.07 oz.) grade within a syenite dyke at the main showing. The two gold-bearing zones on the point are not yet sufficiently exposed to determine their dimensions, or structure.

The Falconbridge drill holes were not oriented to effectively intersect flat-lying structures. Consequently, the extent of the gold-bearing structures is still unknown. It is also of interest that a section of drill core noted to contain vg returned a nil assay.

The geological database is inadequate to determine the structure within the claim block. A general NE-SW orientation of the rock types parallel to Sturgeon Narrows is evident however whether this is a primary fabric or induced by the faulting along Sturgeon Narrows is unknown. Apparent differences in nomenclature between drill logs of Wahl and Falconbridge add to the confusion. Also unknown is the relationship if any between fluorite and gold.

Summary and Conclusions

Three gold-bearing zones are known to occur on the property.

The gold-bearing zones appear to correlate well with areas of low magnetic intensity.

Inadequate work has been done to define these gold-bearing zones.

Other gold-bearing zones likely occur on the property.

A comprehensive exploration programme to define the present gold occurrences and to locate other zones is justified.

Recommendations

Phase I	Stripping and overburden trenching	8,000.00
	Geological mapping and sampling	8,900.00
	Rock trenching	4,000.00
	Contingency	<u>5,000.00</u>
		\$25,000.00
Phase II	Detailed magnetic survey	7,000.00
	Contingency	<u>3,000.00</u>
		\$10,000.00
Phase III	Preliminary diamond drilling (2000')	60,000.00
	Contingency	<u>10,000.00</u>
		\$70,000.00
Total Phases I, II and III		\$105,000.00

#85-121

Instruction - ...
 Note: - Only days credits enter area in "Expenditures" section may be entered in the "Expend. Days Cr." columns - Do not use shaded areas below

2.8349

The Mining Act

Type of Survey: **CONSULTANT STUDY** Township or Area: **SIX MILE LAKE AREA 6-25-1**
 Claim Holder(s): **J. W. REDDEN** Prospector's Licence No.: **E 23950**
 Address: **Box 117, WABISSON ONT POV 2W0**
 Survey Company: **J. W. REDDEN** Date of Survey (from & to):
 Name and Address of Author (of Geo-Technical report):
J. W. REDDEN Box 117 WABISSON ONT POV 2W0

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	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Man Days Complete reverse side and enter total(s) here	Geophysical	Days per Claim
RECEIVED AUG 17 1985 MINING LANDS SECTION	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	Days per Claim
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Expend. Days Cr.	Mining Claim	
Prefix	Number		Prefix	Number
Pa	810419	40		
	810420	40		
	810421	40		
	810422	40		
	810423	40		
	815752	40		
	815753	40		
	815754	40		
	815755	40		
	815756	40		
	815757	40		
	704623			

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 A.M. 7:00 P.M. 5:00

Expenditures (excludes power stripping)

Type of Work Performed: **SECT. 111-14**
Consultant's Study: Evaluation

Performed on Claim(s):
Pa 810419 et al

Calculation of Expenditure Days Credits

Total Expenditures: **\$ 6600** + **15** = **440** 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: **July 17, 1985** Recorded Holder or Agent (Signature): *[Signature]*

For Office Use Only

Total Days Cr. Recorded: **440** Date Recorded: **July 19 1985** Mining Recorder: *[Signature]*

Date Approved as Recorded: **85-12-17**

Total number of mining claims covered by this report of work: **12**

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.



5000



Mining Lands Comments

Clarence Kustra:

- This is submitted as a consultant's study. The map has been redrafted from an earlier map. What are your comments on the adequacy of the overall submission?

Dennis King

To: Geophysics

Comments

Approval checkboxes: Approved, Wish to see again with corrections, Date, Signature

To: Geology - Expenditures

Comments: Ask for a more detailed rendering of the expense statement. How much time did he spend on research, drafting, writing. What is his consultant's rate? The map is said to be reinterpreted from another map if its submer is valid

Approval checkboxes: Approved, Wish to see again with corrections, Date: Aug 20/89, Signature: CKustra

To: Geochemistry

Comments: What are the sources of his information?

Approval checkboxes: Approved, Wish to see again with corrections, Date, Signature



Mining Lands Comments

Clarence ?

- Any comments on this consultant's study?
 - ANY COMMENTS ON THIS CONSULTANT'S STUDY?
 - Dennis
 - NEED A BETTER BREAKDOWN OF THE COSTS
 - Need a better breakdown of the costs.

To: Geophysics

Comments

Comments section for Geophysics, currently blank.

Approved

Wish to see again with corrections

Date

Signature

To: Geology - Expenditures

Comments

Comments section for Geology - Expenditures, currently blank.

Approved

Wish to see again with corrections

Date

Signature

*? 8/85
Mar 8/85 Kestie*

To: Geochemistry

Comments

Comments section for Geochemistry, currently blank.

Approved

Wish to see again with corrections

Date

Signature

November 21, 1985

File 2.8349

J.W. Redden
Box 117
Wabigoon, Ontario
POV 2W0

Dear Sir:

RE: Consultant's study submitted on mining claims
PA 810419 et al in the Area of Six Mile Lake.

In order to complete your submission, please provide the following:

1. a breakdown of the expense statement. It should include the time spent on research, drafting, writing, and the consultant's rate.
2. list all sources of the information.

When returning this material, please quote File 2.8349.

For further information please contact Mr. D. Kinviq
at 416/965-4888.

Yours sincerely

S.E. Yundt
Director
Land Management Branch

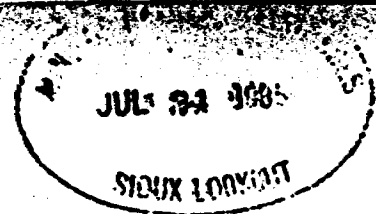
Whitney Block, Room 6643
Queen's Park, Toronto
M7A 1W3
Telephone: 416/965-4888

DK:BC

cc: Mining Recorder
Sloux Lookout, Ontario
File #85-121

J. W. REDDEN
Geologist

P. O. Box 117
Wabigoon, Ont.
POV 2W0 Canada



Tel. (807) 938-6915

Client: J. W. Redden,
P. O. Box 117,
Wabigoon, Ont.
POV 2W0

Date	Job No.:	Ordered	Completed	Terms
July 22/85	85-04		July 22/85	30 days

Description	Dr.	Cr.	Ealance
Report on Sturgeon Narrows Property	\$6600.00		\$6600.00

Paid

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AUG - 9 1985
MINING LANDS SECTION

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7 8 9 10 11 12 1 2 3 4 5 6

Invoice No. #013
I N V O I C E

Box 117
Wabigoon, Ont. P0V 2W0
Dec. 4, 1985

Mr. D. Kinuig
Room 6643
Whitney Block
Queen's Park
Toronto Ont. M7A 1W3

RECEIVED

DEC 11 1985

MINING LANDS SECTION

re: your file 2.8349

Dear Sir

The following is the information requested in your letter of Nov 21/85

Expense Statement

research	- in Sioux Lookout	3 days
	- in field	3 "
	- in office	6 "
drafting		5 "
report writing		3 "

consulting rate \$300.00/day

misc. expenses \$600.00

Sources of Information

assessment files in Sioux Lookout
unpublished property report by Falconbridge Nickel Mines
published maps and reports by O.G.S. & O.D.M.
pers. comm. H. Lundmark, W. McAtaer, D. James
personal observations in field and evaluation of data

Yours truly,

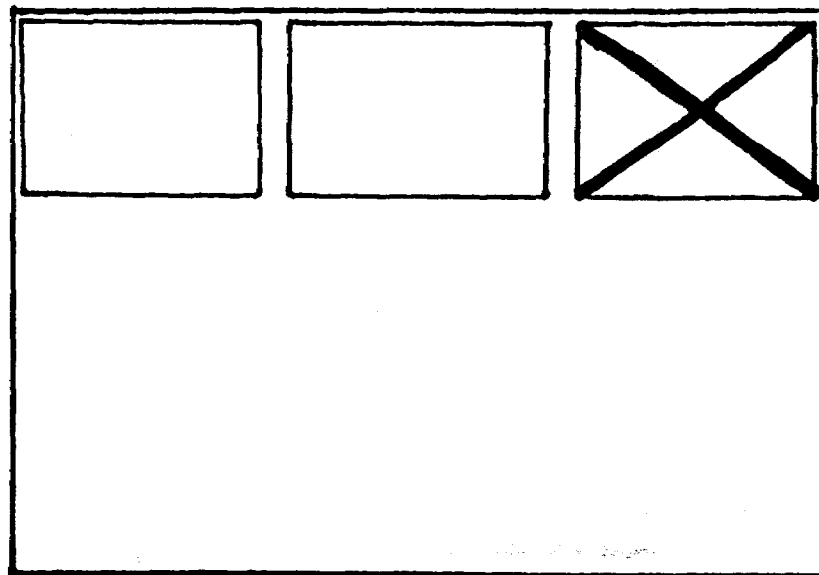
J. Hedder

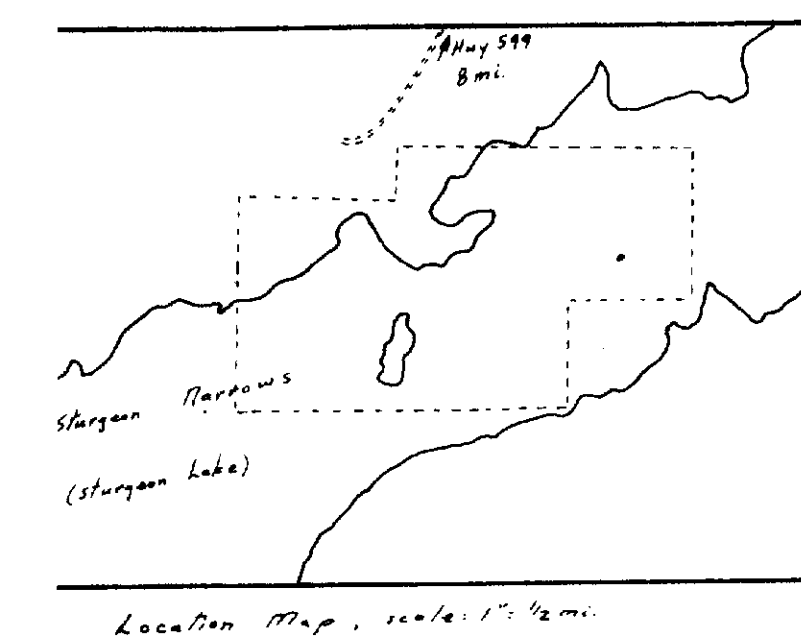
SEE ACCOMPANYING
MAP(S) IDENTIFIED AS

52G/15NW-0061-C1 # 1

LOCATED IN THE MAP
CHANNEL IN THE
FOLLOWING SEQUENCE

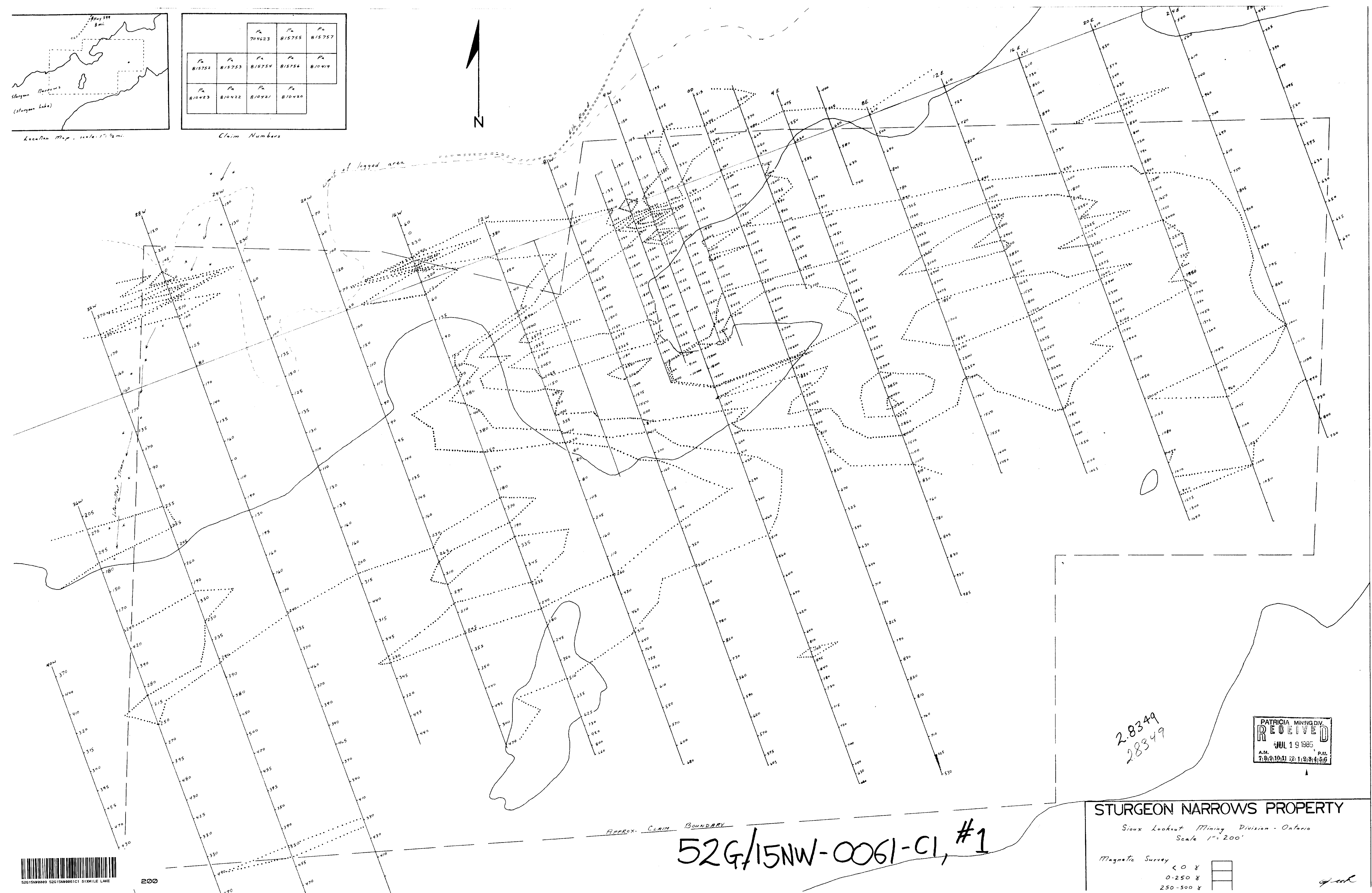
(X)





		P _a 704623	P _a 815755	P _a 815757
P _a 815752	P _a 815753	P _a 815754	P _a 815756	P _a 810419
P _a 810423	P _a 810422	P _a 810421	P _a 810420	

Claim Numbers



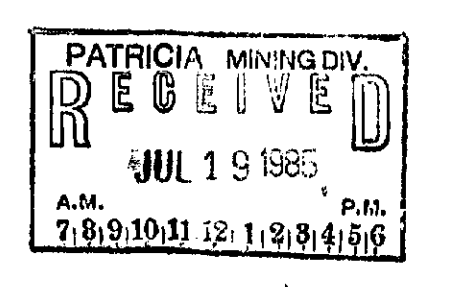
52G/15NW-0061-C1, #1

STURGEON NARROWS PROPERTY

Sioux Lookout Mining Division - Ontario
Scale 1" = 200'

Magnetic Survey
 0-250 8
 250-500 8

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guk