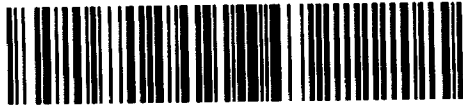
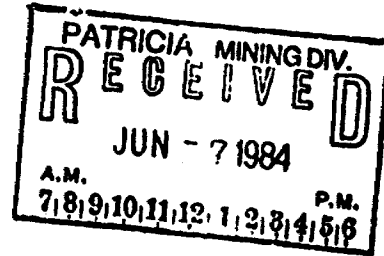


Toronto File # 2.6 907



52G15NW9268 52G15NW0062C1 SIXMILE LAKE

010

REPORT ON
MINING CLAIM
Pa 704623
PATRICIA MINING DIVISION

RECEIVED
JUN 27 1984
MINING LANDS SECTION

prepared by:

J. W. Redden, B.Sc.
P. O. Box 117
Wabigoon, Ont.
POV 2W0

INTRODUCTION

Claim Pa 704623 was staked in April, 1983 to cover a high grade gold showing which outcrops on the shore of Sturgeon Lake. The claim is presently held in the name of J. W. Redden.

LOCATION AND ACCESS

The claim is located midway along the northwest shore of Sturgeon Narrows about 3 miles south of King Bay. The claim includes the north west part of the most prominent bay on Sturgeon Narrows. The claim is about 50 miles northeast of Ignace.

An all-weather road lies within $\frac{1}{2}$ mile of the claim. A trail leads from this road to the claim. This road (locally called the Elk Road) is one of a network of logging access roads which connect with Highway 599 via the Six Mile Lake Road.

PREVIOUS WORK

The Sturgeon Lake area has been actively explored off and on for 90 years. The showing on claim Pa 704623 was likely found prior to 1900. There is no documentation from this period but as the showing is on the shore line early discovery was probable.

The only documentation available on the claim in the Regional Geologist's Office in Sioux Lookout consists of a few drill logs filed by Falconbridge Nickel Mines Ltd. from diamond drilling carried out in 1974.

A complete copy of the work report detailing the work done by Falconbridge has been obtained and, together with a visit

to the property by the author, constitute the core of this report.

During 1969 W. G. Wahl Ltd. carried out a magnetic survey and diamond drilling (D.D.H. 69-1 to 69-5). In 1970 Selco drilled D.D.H. 242-22 and D.D.H. 242-23. In 1974 Falconbridge Nickel Mines Limited carried out linecutting, magnetic, E.M. and I.P. surveys, diamond drilling (D.D.H. J-1 to J-8), trenching and geological mapping.

Since 1974 the property has been staked several times but little if any work has been done.

DISCUSSION OF WORK TO DATE

The geological mapping has been reproduced from the Falconbridge report. The map indicates the claim is underlain by a 20% felsic 40% mafic pyroclastic with a prominent ENE-WSW trending syenite dyke. Mapping by the MNR show the syenite within sediments. The present writer has not examined the rocks in sufficient detail to resolve the different opinions.

The gold occurs in quartz stringers and pyrite cubes within the syenite dyke. Some spectacular webs of dendritic gold occupy cavities in the rock from the dissolution of pyrite. Grab samples have assayed over 4.0 oz./ton Au from this zone. The gold occurs in a portion of the dyke about 15 feet long on the shore of Sturgeon Lake.

Except for gold content the entire syenite dyke appears similar in composition. Geophysics and diamond drilling have so far been unable to indicate continuity of the gold-bearing zone.

THE MAGNETIC SURVEY INDICATES TWO PROMINENT MAGNETIC HIGHS JUST TO THE NORTH OF THE SHOWING OF UNKNOWN CAUSE. THE MAGNETIC HIGH TO THE SOUTH OF THE CLAIM IS DUE TO MAGNETITE IN THE PYROCLASTICS.

THE E.M. SURVEY SHOWS ONE PROMINENT ANOMALY TO THE NORTH OF THE CLAIM. THIS HAS BEEN ATTRIBUTED TO A BAND OF GRAPHITE.

THE I.P. SURVEY WAS DISCONTINUED WHEN IT WAS FOUND THAT THE PYRITE CONTENT OF THE VOLCANICS WAS TOO HIGH TO PERMIT DEFINITION OF THE PYRITE-BEARING SYENITE.

CONCLUSIONS

1. THE REASON FOR THE LOCAL GOLD ENRICHMENT IS UNKNOWN. ALTHOUGH EXTENSIVE WORK HAS BEEN CARRIED OUT THE ORE CONTROLS ARE NOT DEFINED. THE PREVIOUS WORK WOULD NOT HAVE IDENTIFIED A NORTH-SOUTH TRENDING GOLD-BEARING DYKE. IF SUCH A DYKE EXISTS, IT WOULD EXPLAIN THE DIFFERENCE IN THE DEGREE OF ALTERATION BETWEEN THE GOLD-BEARING ZONE AND THE REST OF THE ENE - WSW TRENDING DYKE.
2. DUE TO THE HIGH GRADE OF THE SHOWING, ADDITIONAL WORK IS WARRANTED TO DETERMINE THE SPECIFIC CONTROLS RESPONSIBLE FOR THE GOLD OCCURRENCE. KNOWLEDGE OF THESE CONTROLS COULD BE APPLIED TO THE SEARCH FOR SIMILAR DEPOSITS WITHIN THE STURGEON LAKE AREA.

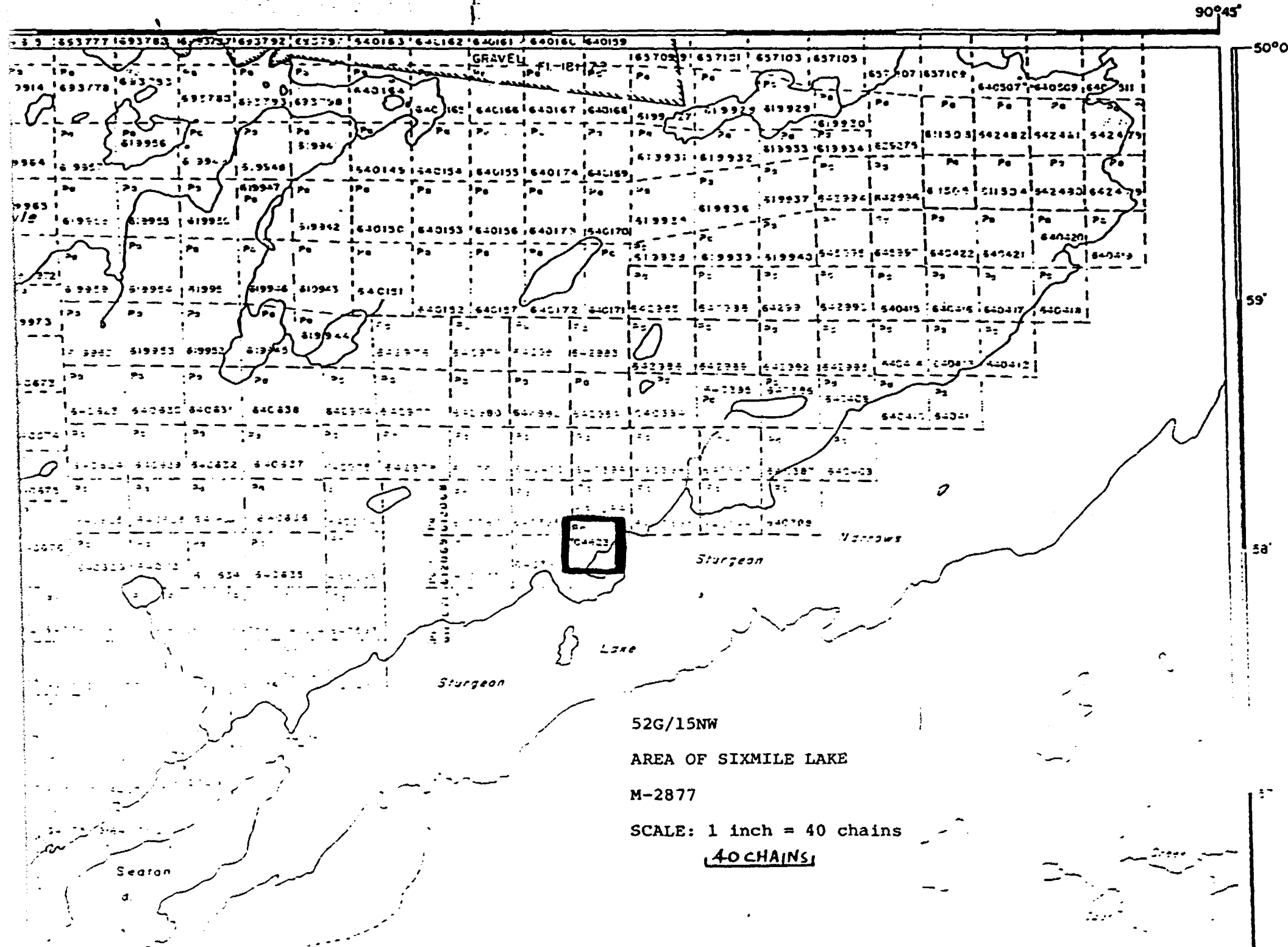
RECOMMENDATIONS
RECOMMENDATIONS

4.

DUE TO THE LOCATION OF THE CLAIM ON THE SHORE OF
STURGEON LAKE PROPOSED WORK SHOULD FIRST BE DISCUSSED WITH
MNR PERSONNEL TO RESOLVE ANY POTENTIAL CONFLICTS.
DUE TO THE LOCATION OF THE CLAIM ON THE SHORE OF
Sturgeon Lake proposed work should first be discussed with
MNR PERSONNEL TO RESOLVE ANY POTENTIAL CONFLICTS.
MNR personnel to resolve any potential conflicts.

1. THE ENTIRE AREA WITHIN 100 FEET OF THE SHOWING SHOULD BE
1. The entire area within 100 feet of the showing should be
STRIPPED, WASHED AND MAPPED IN DETAIL. SAMPLES SHOULD BE
stripped, washed and mapped in detail. samples should be
SENT FOR WHOLE ROCK ANALYSIS.
sent for whole rock analysis.
2. DRILL CORE FROM THE FALCONBRIDGE DRILLING (STORED JUST
2. Drill core from the Falconbridge drilling (stored just
NORTH OF THE CLAIM) SHOULD BE RELOGGED PAYING PARTICULAR
north of the claim) should be relogged paying particular
ATTENTION TO CROSS-CUTTING AND OTHER STRUCTURAL FEATURES.
attention to cross-cutting and other structural features.
3. ADDITIONAL CLAIMS SHOULD BE STAKED TO COVER POSSIBLE
3. additional claims should be staked to cover possible
EXTENSIONS OF THE GOLD BEARING ZONE AS INDICATED FROM THE
extensions of the gold bearing zone as indicated from the
DETAILED MAPPING
detailed mapping.
4. THE CLAIM (AND ANY OTHERS STAKED) SHOULD BE MAPPED,
4. the claim (and any others staked) should be mapped,
AUGMENTED BY STRIPPING AND/OR TRENCHING WHERE REQUIRED TO
augmented by stripping and/or trenching where required to
OBTAIN SUFFICIENT DETAIL.
obtain sufficient detail.

M. 2879



52G/15NW
 AREA OF SIXMILE LAKE
 M-2877
 SCALE: 1 inch = 40 chains
40 CHAINS

AREA OF

SIXMILE LAKE

DISTRICT OF
KENORA-THUNDER BAY

PATRICIA
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

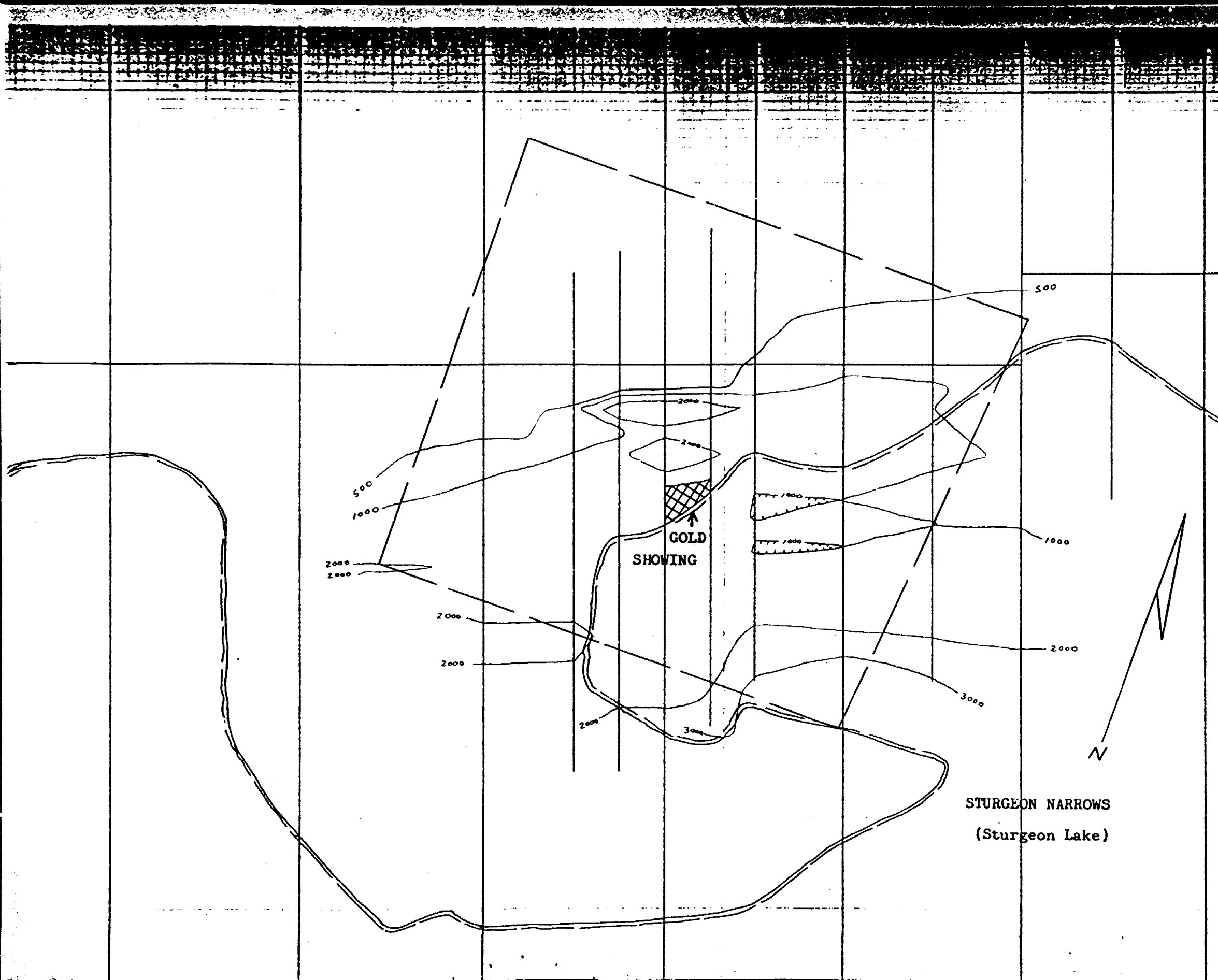
PATENTED LAND	
CROWN LAND SALE	
LEASES	
LOCATED LAND	
LICENSE OF OCCUPATION	
MINING RIGHTS ONLY	
SURFACE RIGHTS ONLY	
ROADS	
IMPROVED ROADS	
KING'S HIGHWAYS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	
MINES	
CANCELLED	

NOTES

400 surface rights reservation along
 the shores of all lakes and rivers

reO - M.2875

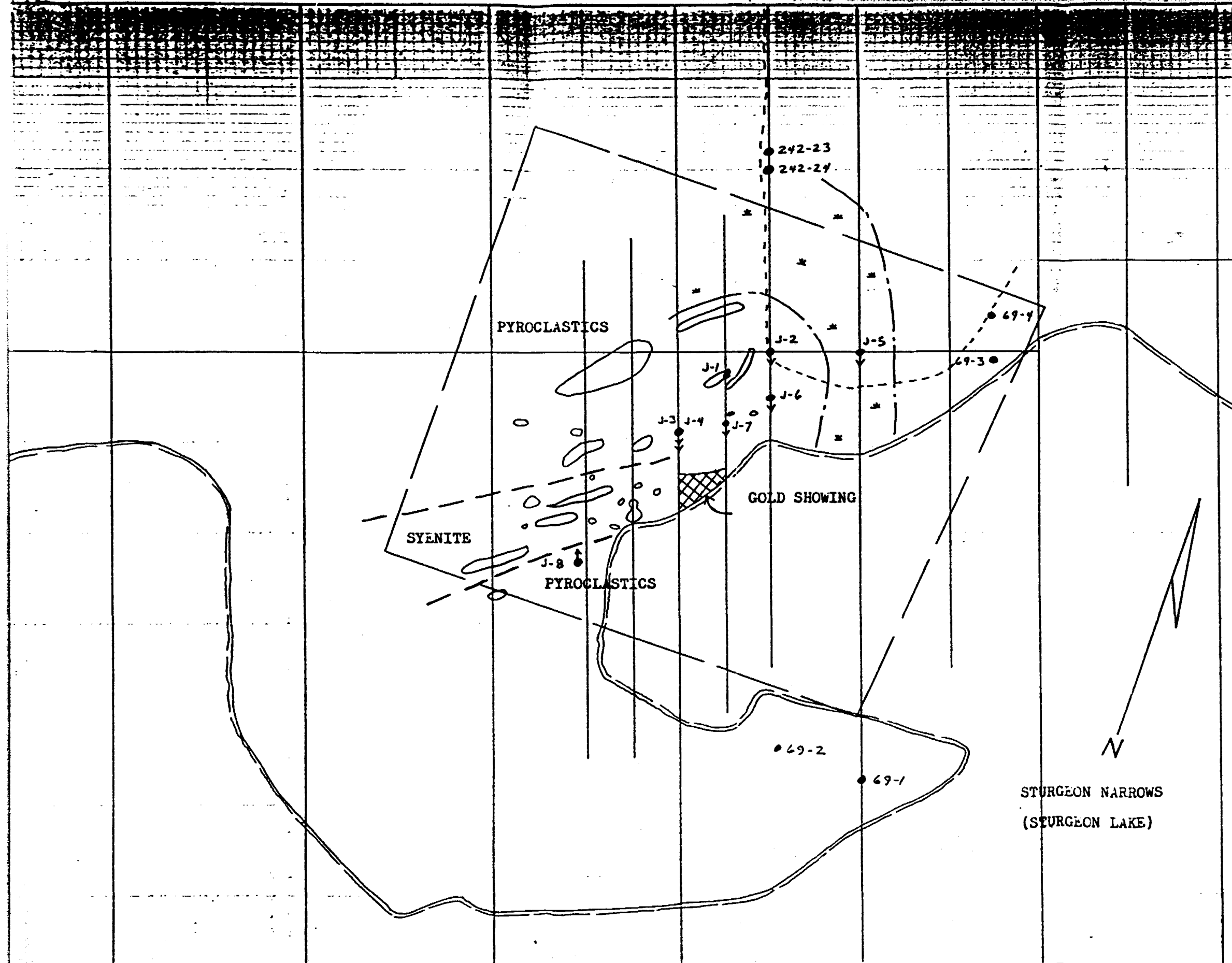
EC



CLAIM Pa704623
Patricia Mining Division
Ontario
Scale 1" = 200'
200 FEET

MAGNETOMETER SURVEY

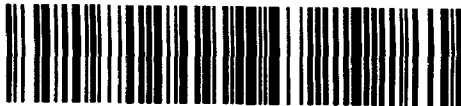
STURGEON NARROWS
(Sturgeon Lake)



CLAIM Pa704623
 Patricia Mining Division
 Ontario
 Scale 1" = 200'
 100 FEET

LEGEND

lake	
trail	
swamp	
outcrop	
drill hole	
trenched area	
base line	
picket line	



52G15NW9268 52G15NW0062C1 SIXMILE LAKE

900



Ministry of Natural Resources

Report of Work (Geophysical Geological, Geochemical and Expenditures)

#84-59

2.6907

The Mining Act

July 11

Instructions: - Please type or print. - If number of mining claims selected exceeds space on this form, attach a list. Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns. - Do not use shaded areas below.

Assessment

Type of Survey(s) CONSULTANT'S STUDY (EXPENDITURES) Township or Area M-2877 SIX MILE LAKE AREA

Claim Holder(s) J. W. REDDEN Prospector's License No. E 23950

Address Box 117 WABIGON ONT P0V2W0

Survey Company J.W. REDDEN - CONSULTANT Date of Survey (from & to) Total Miles of line Cut

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

Credits Requested per Each Claim in Columns at right Mining Claims Traversed (List in numerical sequence)

Table with 3 columns: Special Provisions, Geophysical, Days per Claim. Includes rows for Electromagnetic, Magnetometer, Radiometric, Other, Geological, and Geochemical.

Table with 3 columns: Man Days, Geophysical, Days per Claim. Includes rows for Electromagnetic, Magnetometer, Radiometric, Other, Geological, and Geochemical.

Table with 3 columns: Airborne Credits, Geophysical, Days per Claim. Includes rows for Electromagnetic, Magnetometer, and Radiometric.

Expenditures (excludes power stripping) Type of Work Performed Sect. 77-19 CONSULTANT'S STUDY

Performed on Claim(s) Pa. 704623

Calculation of Expenditure Days Credits Total Expenditures \$ 1250 + 15 = 60 (88) 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 Apr 6/84 Recorded Holder or Agent (Signature) J.W. Redden

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 Wabigon Ont P0V2W0 Date Certified April 6/84 Certified by (Signature) J.W. Redden

Main table for Mining Claims Traversed with columns for Mining Claim Prefix, Number, Expend. Days-Cr., and a grid for days.

RECEIVED MAY 10 1984 MINING DIVISION PATRICIA MINING DIV. RECEIVED APR 11 1984

Pa. 704623 Total number of mining claims covered by this report of work. 1

For Office Use Only Total Days Cr. Recorded 60 Date Recorded Apr 11, 1984 Mining Recorder [Signature]

1984 07 05

Your File: 59
Our File: 2.6907

Mr. Albert Hanson
Mining Recorder
Ministry of Natural Resources
P.O. Box 309
Sioux Lookout, Ontario
POV 2T0

Dear Sir:

We have received Data for a Consultant's Study submitted under Section 77(19) of the Mining Act R.S.O. 1980 for Mining Claim PA 704623 in the Area of Six Mile Lake.

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

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

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

A. Barr:mc

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