

2.3139

STAMPED

NOV 1979

MINING BRANCH
ONTARIO

010

REPORT ON ELECTROMAGNETIC SURVEYS

CLAIMS 436255, 436256, 436257

ZARN LAKE AREA

SIOUX LOOKOUT



S2J04SE9053 2.3139 ZARN LAKE

INTRODUCTION

SEVERAL GOLD-BEARING QUARTZ VEINS ON THE CLAIMS WERE EXTENSIVELY EXPLORED IN THE 1929-1939 ERA.

THE OLD TRENCHES AND SHAFT AREA WERE EXAMINED IN JULY, 1979, AND A RECONNAISSANCE-TYPE ELECTROMAGNETIC SURVEY WAS CONDUCTED OVER THE CLAIMS, TO DETERMINE WHETHER THE VEIN SULFIDE CONTENT IS HIGH ENOUGH TO FOLLOW THE VEINS UNDER OVERBURDEN BY MEANS OF THEIR CONDUCTIVITY.

THE ELECTROMAGNETIC RESULTS ARE SHOWN ON THE SKETCH ON PAGE 2.

ELECTROMAGNETIC RESULTS

THE KNOWN VEINS DO NOT MAKE CONDUCTORS.

THERE IS A BROAD DISTORTED AREA OVER THE VEIN SYSTEM; BUT THIS APPEARS TO BE MORE DUE TO TOPOGRAPHIC CHANGE FROM A SWAMP NORTH OF THE VEINS TO THE HILL ON WHICH THE VEINS OCCUR, THAN TO ANY CONDUCTIVE EFFECTS FROM THE VEINS.

IN GENERAL, THERE DOES NOT SEEM TO BE ANY DISCERNIBLE CONDUCTIVE EFFECT ARISING FROM THE VEINS.

CONCLUSIONS

1. THE VEINS CANNOT BE FOLLOWED BY VLF ELECTROMAGNETIC METHODS.
2. FURTHER PROBING OF THE VEINS SHOULD BE DONE BY DIAMOND DRILLING.

LOCATION AND ACCESS

THE PROPERTY IS LOCATED SOME 13 AIR MILES ESE OF THE TOWN OF SIOUX LOOKOUT IN NORTHWESTERN ONTARIO. SIOUX LOOKOUT IS ON THE MAIN LINE OF THE CANADIAN NATIONAL RAILWAY, AND ON THE NORTHERN ONTARIO HIGHWAY SYSTEM.

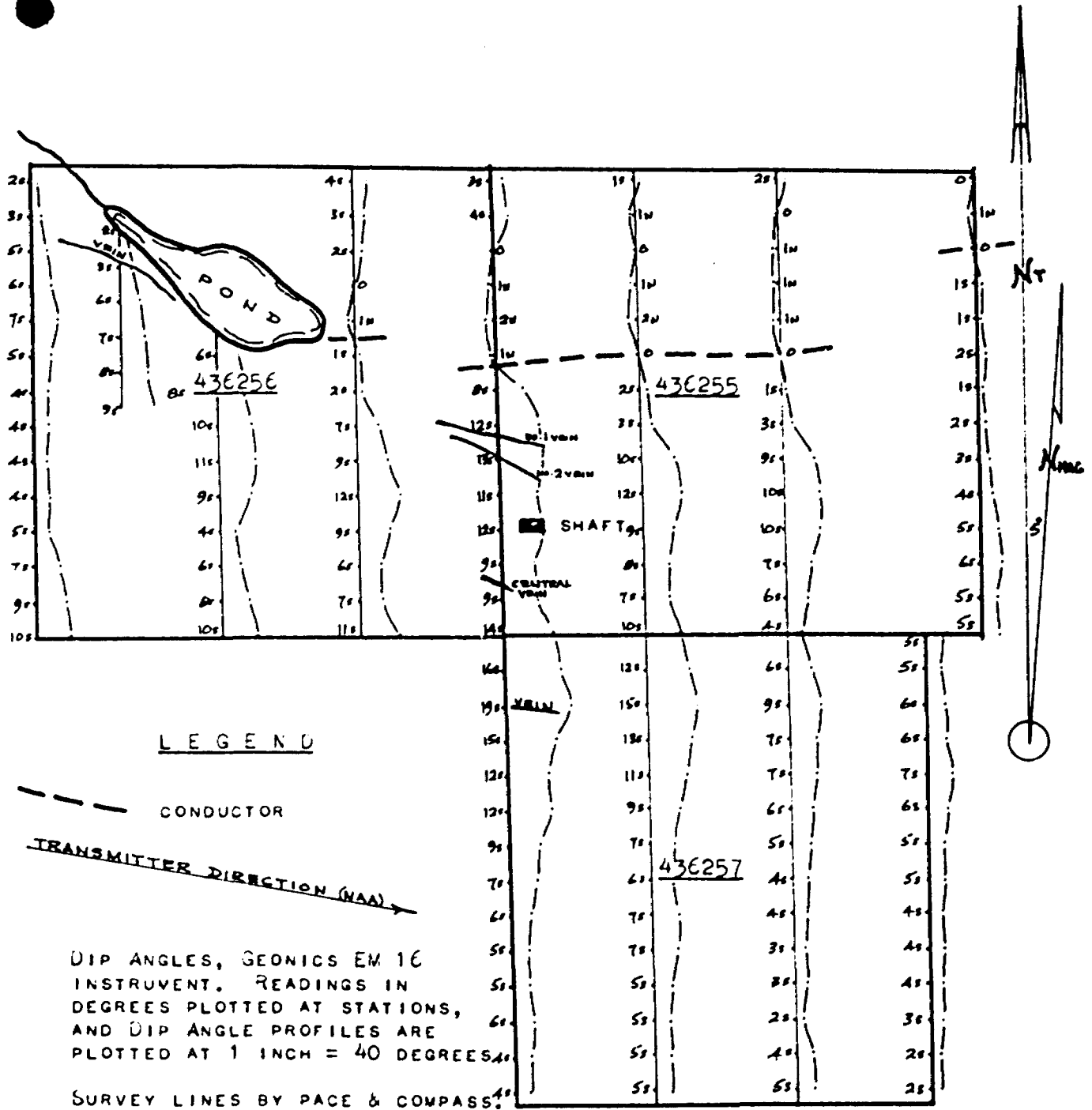
THE PROPERTY LATITUDE IS $50^{\circ}04'N$, AND THE LONGITUDE IS $91^{\circ}38' W$. THE NTS LOCATION IS 52 J 4.

IN FORMER YEARS THE PROPERTY WAS CONNECTED TO THE LAKEHEAD BRANCH LINE OF THE C.N.R. BY A 4 MILE ROAD. THIS ROAD COULD BE REHABILITATED TO CONNECT WITH HIGHWAY 642, AS WELL AS THE C.N.R.

AT PRESENT THE PROPERTY IS REACHED BY BUSH AIRCRAFT, LANDING ON THE NEARBY FORTY MILE OR SPLIT LAKES FROM BASES AT SIOUX LOOKOUT.

CLAIM DETAILS

THE PROPERTY CONTAINS THREE UNSURVEYED MINING CLAIMS, NUMBERED 436255, 436256, AND 436257. THE CLAIM LOCATIONS ARE SHOWN ON THE MAP ON PAGE 4, REPRODUCED FROM MAP M-2222 OF THE ONTARIO MINISTRY OF NATURAL RESOURCES.



SKETCH SHOWING RECONNAISSANCE VLF EM SURVEY

CLAIMS 436255, 436256, 436257

ZARN LAKE AREA SIOUX LOOKOUT DISTRICT ONTARIO

SCALE: 1 IN. = 400 FT.

JULY, 1979

Ross Kidd



52J04SE9053 2.3139 ZARN LAKE

900

**GEOPHYSICAL - GEOLOGICAL
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 ELECTROMAGNETIC
Township or Area AREA OF ZARN LAKE
Claim holder(s) ROBERT S. ROSENBLAT
104 ANTHONY ROAD, DOWNSVIEW, ONT.
Author of Report ROSS KIDD, P.ENG.
Address 81 HIGHBOURNE ROAD, TORONTO, ONT.
Covering Dates of Survey JULY 8TH TO AUGUST 2, 1979
(linecutting to office)
Total Miles of Line 3 3/4

MINING CLAIMS TRAVERSED
List numerically

PA 43E255 ✓
(prefix) (number)
43E256 113
43E257 ✓

**SPECIAL PROVISIONS
CREDITS REQUESTED**

ENTER 40 days (includes
line cutting) for first
survey.
ENTER 20 days for each
additional survey using
same grid.

Geophysical
-- Electromagnetic 20
-- Magnetometer
-- Radiometric
-- Other
Geological
Geochemical

DAYS
per claim

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

Magnetometer Electromagnetic Radiometric
(enter days per claim)

DATE: NOV. 29TH/79 SIGNATURE: Ross Kidd
Author of Report

OFFICE USE ONLY

PROJECTS SECTION L.D.
Res. Geol. Qualifications
Previous Surveys
Checked by date
GEOLOGICAL BRANCH
Approved by date
GEOLOGICAL BRANCH
Approved by date

TOTAL CLAIMS 3

If space insufficient, attach list

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS

Number of Stations 152 Number of Readings 152
Station interval 100 FEET
Line spacing 400 FEET
Profile scale or Contour intervals 1 INCH = 40 DEGREES
(specify for each type of survey)

MAGNETIC

Instrument _____
Accuracy - Scale constant _____
Diurnal correction method _____
Base station location _____

ELECTROMAGNETIC

Instrument GEONICS EM 16
Coil configuration VERTICAL LOOP
Coil separation INFINITE
Accuracy 1/2 DEGREE
Method: Fixed transmitter Shoot back In line Parallel line
Frequency 17.8 KHZ NAA, CUTLER, MAINE
(specify V.L.F. station)
Parameters measured DISTORTION OF RESULTANT FIELD FROM THE HORIZONTAL.

GRAVITY

Instrument _____
Scale constant _____
Corrections made _____
Base station value and location _____

Elevation accuracy _____

INDUCED POLARIZATION -- RESISTIVITY

Instrument _____
Time domain _____ Frequency domain _____
Frequency _____ Range _____
Power _____
Electrode array _____
Electrode spacing _____
Type of electrode _____



Ministry of
Natural
Resources

Ontario

Your file:

Our file: 2.3139

1980 03 27



Mr. Albert Hanson
Mining Recorder
Ministry of Natural Resources
Box 669, Court House
Sioux Lookout, Ontario
POV 2T0

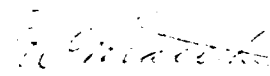
Dear Sir:

Re: Mining Claims Pa. 436255 et al. Zarn Lake Area, File 2.3139

The Geophysical (Electromagnetic) assessment work credits as shown on the attached statement have been approved as of the above date.

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

Yours very truly,


E.F. Anderson
Director
Land Management Branch
Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1316

DN:ie

cc: Mr. Robert S. Rosenblat
Downsview, Ontario

Mr. Ross Kidd
Toronto, Ontario

Resident Geologist ✓
Sioux Lookout, Ontario



Recorded Holder **Robert S. Rosenblat**

Township or Area **Zarn Lake Area**

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic <u>20</u> days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Section 86 (18) _____ days Geological _____ days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input 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.	Pa. 436255 to 57 inclusive

Special credits under section 86 (15a) for the following mining claims

[Empty box for special credits]

No credits have been allowed for the following mining claims

not sufficiently covered by the survey Insufficient technical data filed

[Empty box for no credits]

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 86(18)-60:



Ministry of
Natural
Resources

Notification of recording
of assessment work credits

Lands Administration Branch
Mining Lands Section
Ministry of Natural Resources
Room 1617, Whitney Block
Queen's Park, Toronto
M7A 1W3

Date of recording of work: October 1, 1979
Recorded holder: Robert S. Rosenblat
Address: 104 Anthony Road, Downsview, Ontario
Township or Area: Zarn Lake Area M-2222

Type of survey and number of Assessment days credit per claim	Mining claims
Geophysical	Pa. 436255-57 incl.
Electromagnetic <u>20</u> days	
Magnetometer _____ days	
Radiometric _____ days	
Induced polarization _____ days	
Section 86 (18) _____ days	
Geological _____ days	
Geochemical _____ days	
Man days <input type="checkbox"/>	Airborne <input type="checkbox"/>
Special provision <input type="checkbox"/>	Ground <input checked="" type="checkbox"/>

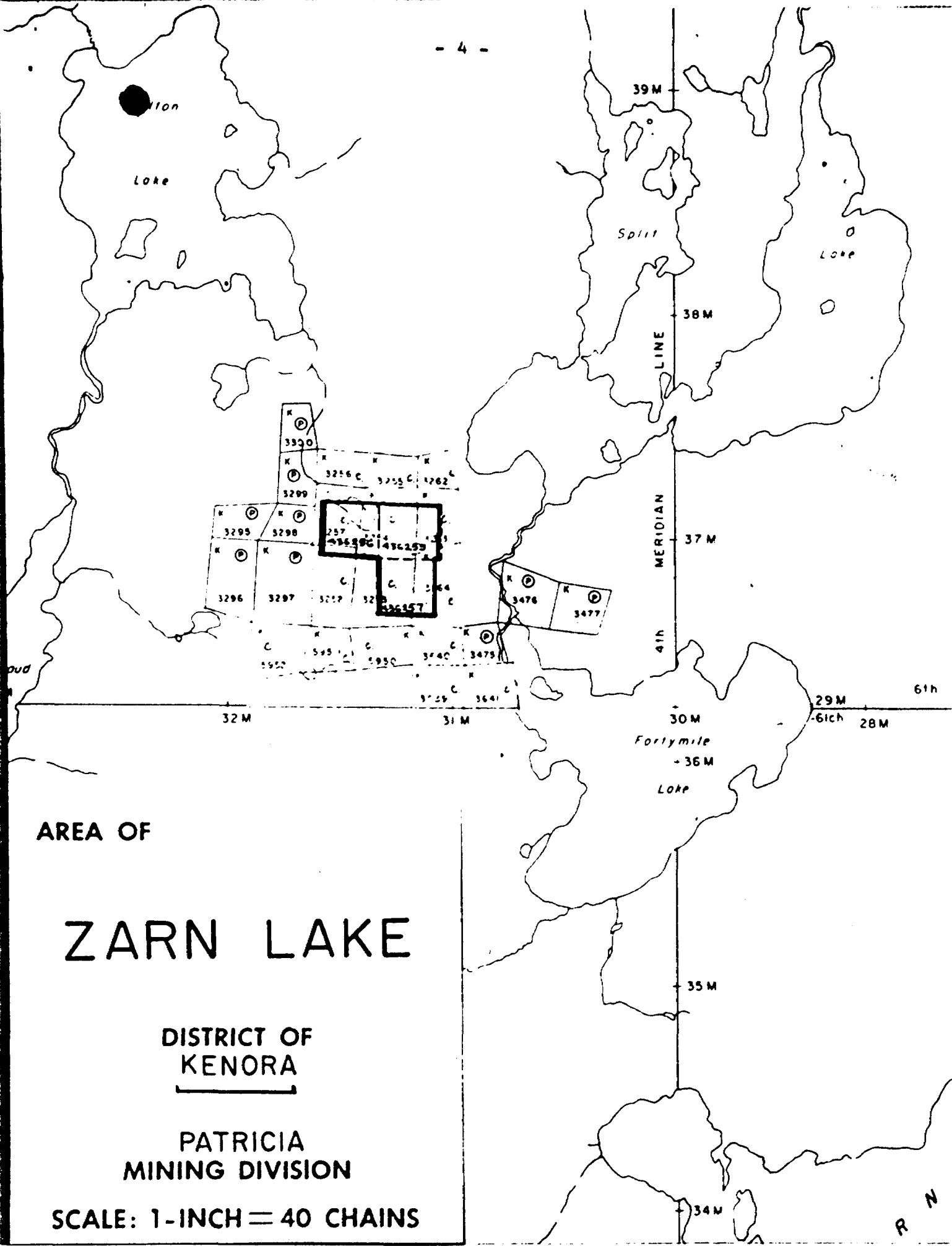
Notice to recorded holder: *nov. 27*

- Survey reports and maps in duplicate be submitted to the Lands Administration Branch, Toronto within 60 days from the date of recording of this work.
- Reports and maps are being forwarded to the Lands Administration Branch with this letter.

[Signature]
Mining recorder

c.c. Mr. Robert Rosenblat
Downsview, Ont.

Mr. Ross Kidd
81 Highbourne Road
Toronto, Ont. M5P 2J3



AREA OF

ZARN LAKE

DISTRICT OF
KENORA

PATRICIA
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS