



52J04SE001B 52J04SE0015A1 ZARN LAKE

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2.3139

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NOV 30 1979

MINING LANDS SECTION  
ONTARIO

REPORT ON ELECTROMAGNETIC SURVEYS

CLAIMS 436255, 436256, 436257

ZARN LAKE AREA

SIOUX LOCKOUT

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.

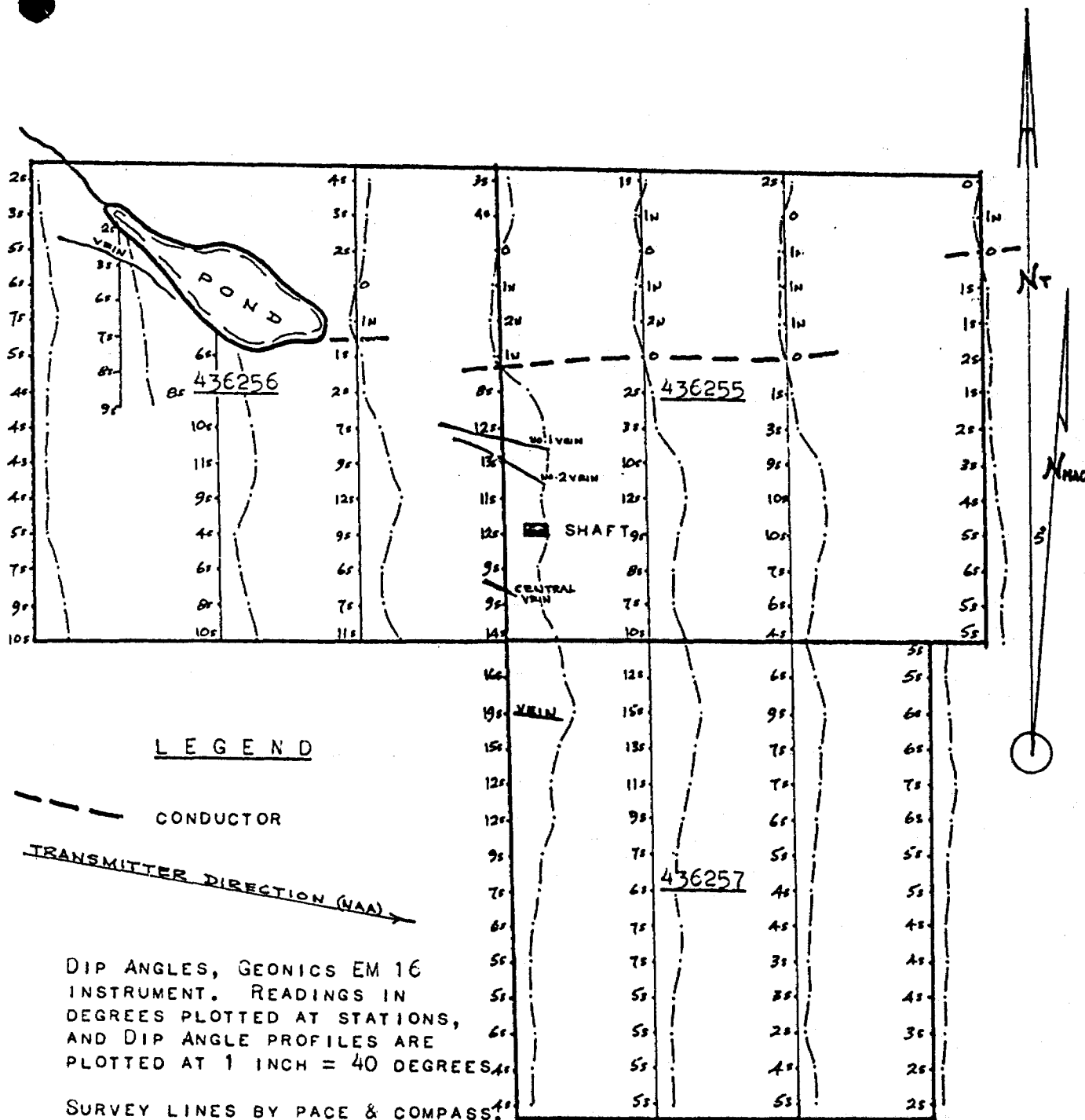
THE PROPERTY LATITUDE IS  $50^{\circ}04'N$ , AND THE LONGITUDE IS  $91^{\circ}38' W$ . THE NTS LOCATION IS 52 J 4.

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

*Rosa Kidd*



52J04SE0018 52J04SE0015A1 ZARN LAKE

900

File \_\_\_\_\_

### GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL 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	436255 ✓
(prefix)	(number) 1/3
	436256
	436257 ✓

#### SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

	DAYS per claim
Geophysical	20
- Electromagnetic	
- Magnetometer	
- Radiometric	
- Other	
Geological	
Geochemical	

#### 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

PROJECTS SECTION L.D.  
 Res. Geol. \_\_\_\_\_ Qualifications 12.12.63  
 Previous Surveys \_\_\_\_\_

Checked by \_\_\_\_\_ date \_\_\_\_\_

GEOLOGICAL BRANCH \_\_\_\_\_

Approved by \_\_\_\_\_ date \_\_\_\_\_

GEOLOGICAL BRANCH \_\_\_\_\_

Approved by \_\_\_\_\_ date \_\_\_\_\_

TOTAL CLAIMS 3

OFFICE USE ONLY

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 \_\_\_\_\_

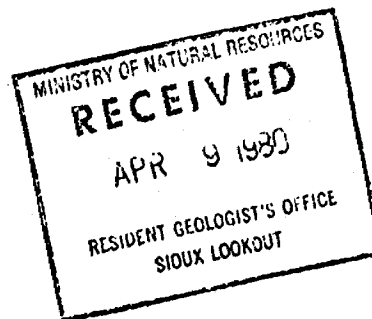


Ministry of  
Natural  
Resources

Your file:

1980 03 27

Our file: 2.3139



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

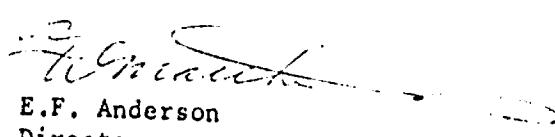
Dear Sir:

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



Ministry of  
Natural  
Resources  
Ontario

**Technical Assessment  
Work Credits**

File  
2.3139

Recorded Holder	Robert S. Rosenblat
Township or Area	Zarn Lake Area

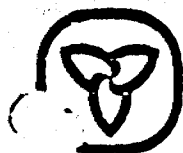
Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
<b>Geophysical</b> Electromagnetic _____ 20 _____ days Magnetometer _____ Jays Radiometric _____ days Induced polarization _____ days Section 86 (18) _____ days <b>Geological</b> _____ days <b>Geochemical</b> _____ days 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

No credits have been allowed for the following mining claims

not sufficiently covered by the survey       Insufficient technical data filed

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;



Ontario

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1979

Ministry of  
Natural  
Resources

Notification of recording  
of assessment work credits

MINING LANDS SECTION

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. 20*

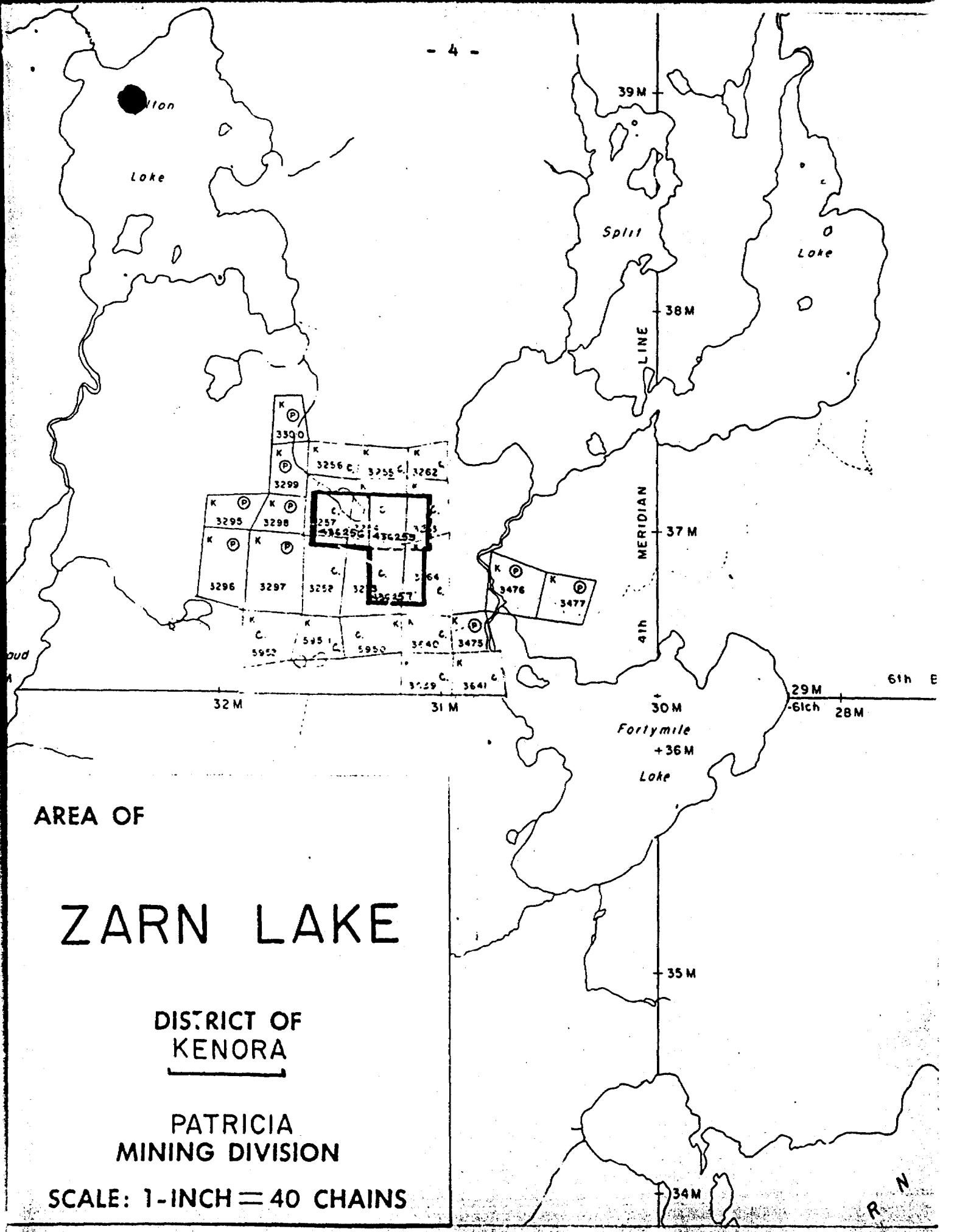
- Survey reports and maps in duplicate be submitted to the Lands Administration Branch, Toronto within 60 days from the date of recording of this work.
- Reports and maps are being forwarded to the Lands Administration Branch with this letter.

*[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

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