

Kidd Twp. - M.291

THE TOWNSHIP OF
OF
JESSOP

DISTRICT OF
COCHRANE

PORCUPINE
MINING DIVISION

SCALE: 1-INCH 40 CHAINS

LEGEND

- PATENTED LAND Ⓟ
- CROWN LAND SALE C.S.
- LEASES Ⓛ
- LOCATED LAND Loc.
- LICENSE OF OCCUPATION L.O.
- MINING RIGHTS ONLY M.R.O.
- SURFACE RIGHTS ONLY S.R.O.
- 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.

This township lies within the Municipality of CITY of TIMMINS.

Ⓡ - S.R.O. Withdrawn from Staking under Sec. 42 of The Mining Act (R.S.O. '60). Files: 108158, 110302.

AREAS WITHDRAWN FROM DISPOSITION

S.R. - SURFACE RIGHTS M.R. - MINING RIGHTS

Description	Order No.	Date	Disposition	File
Ⓡ SEC 43	W. 63/77	12/9/77	MR & SR	108371
Ⓡ SEC 43	W. 78/81	24/7/81	MR & SR	145730
Ⓡ SEC 36/80	W. 10/82	27/9/82	MR & SR	

DATE OF ISSUE
DEC 30 1982
Ministry of Natural Resources
TORONTO

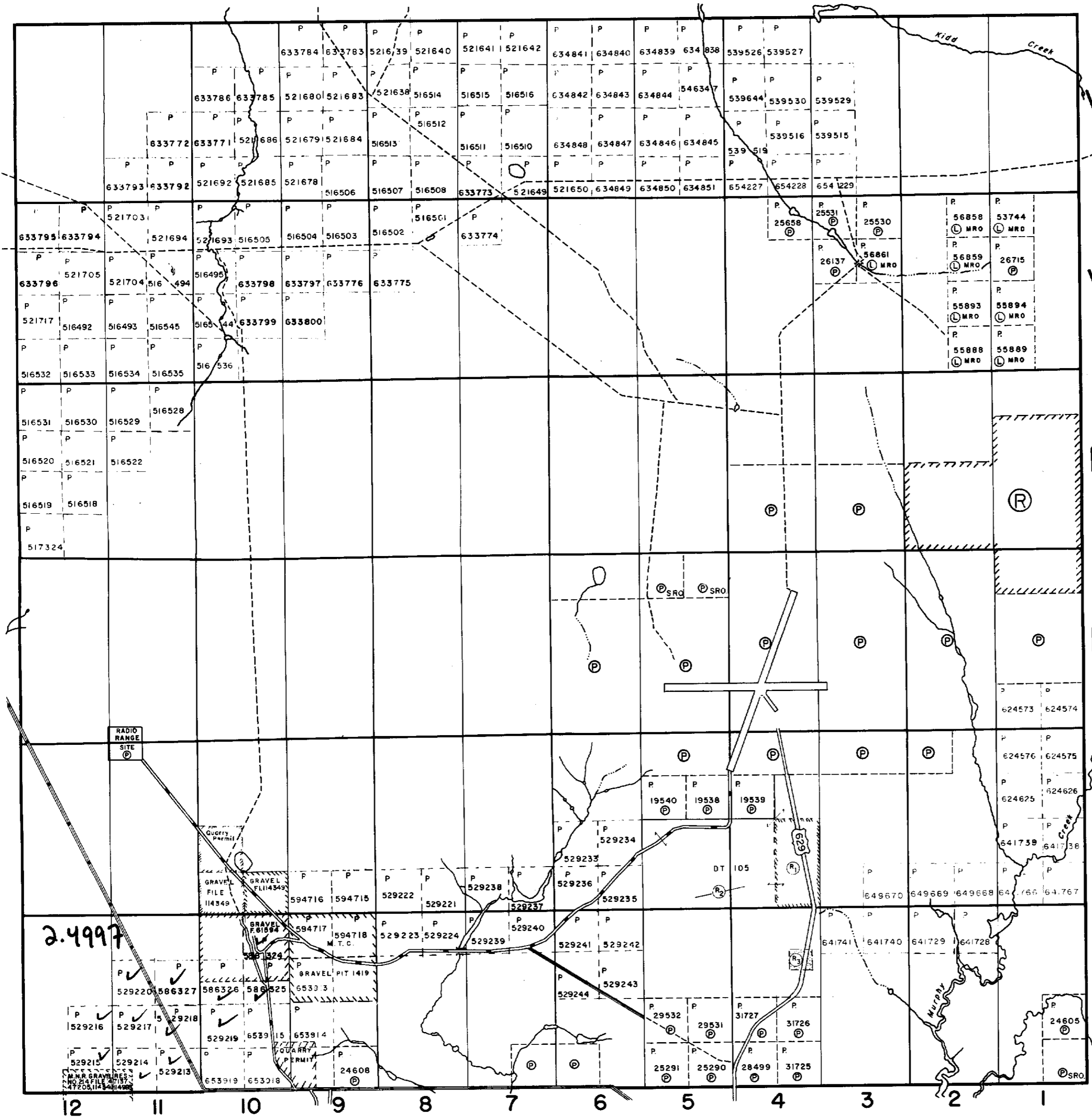
10120101

PLAN NO. **M.289**

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

Jamieson Twp. - M.288

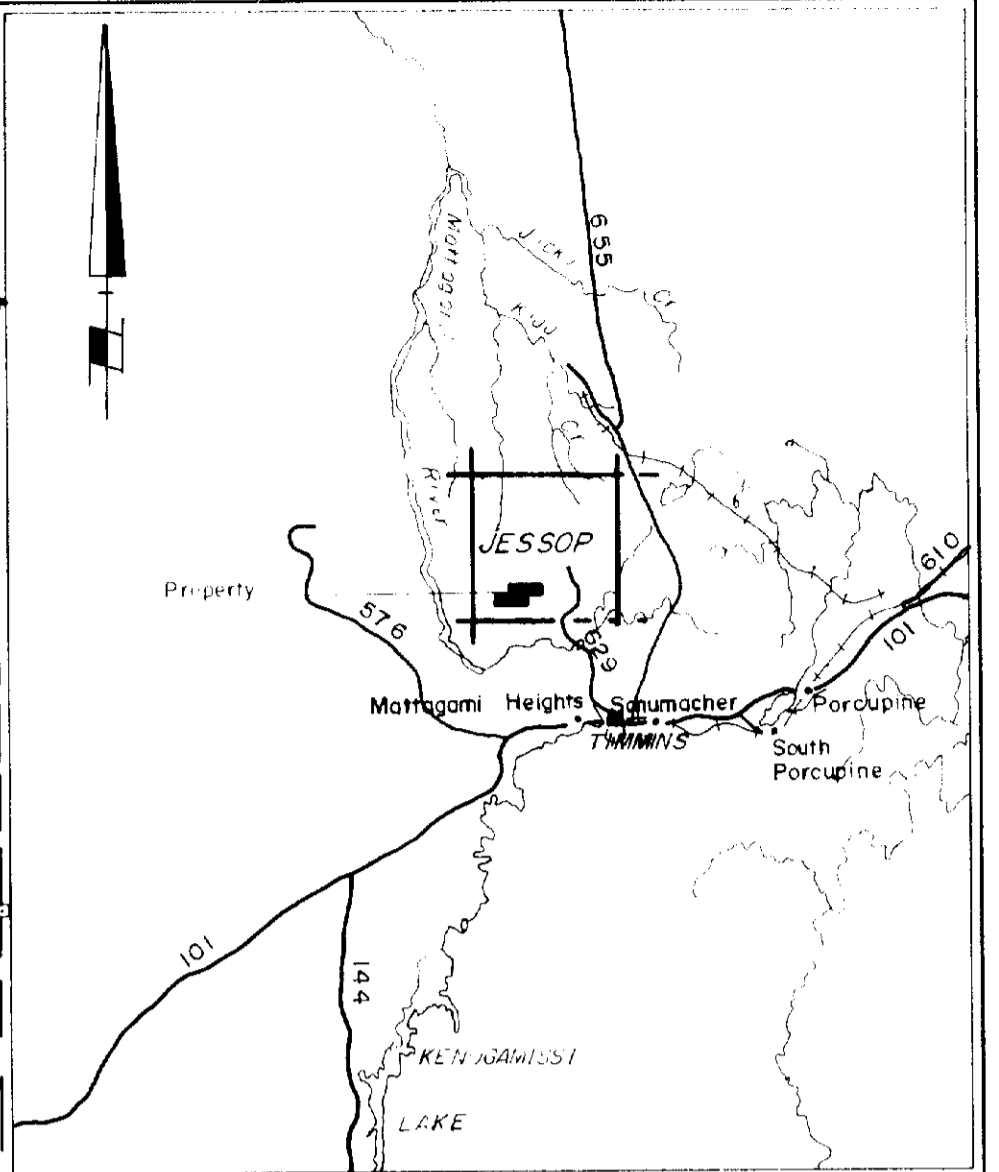
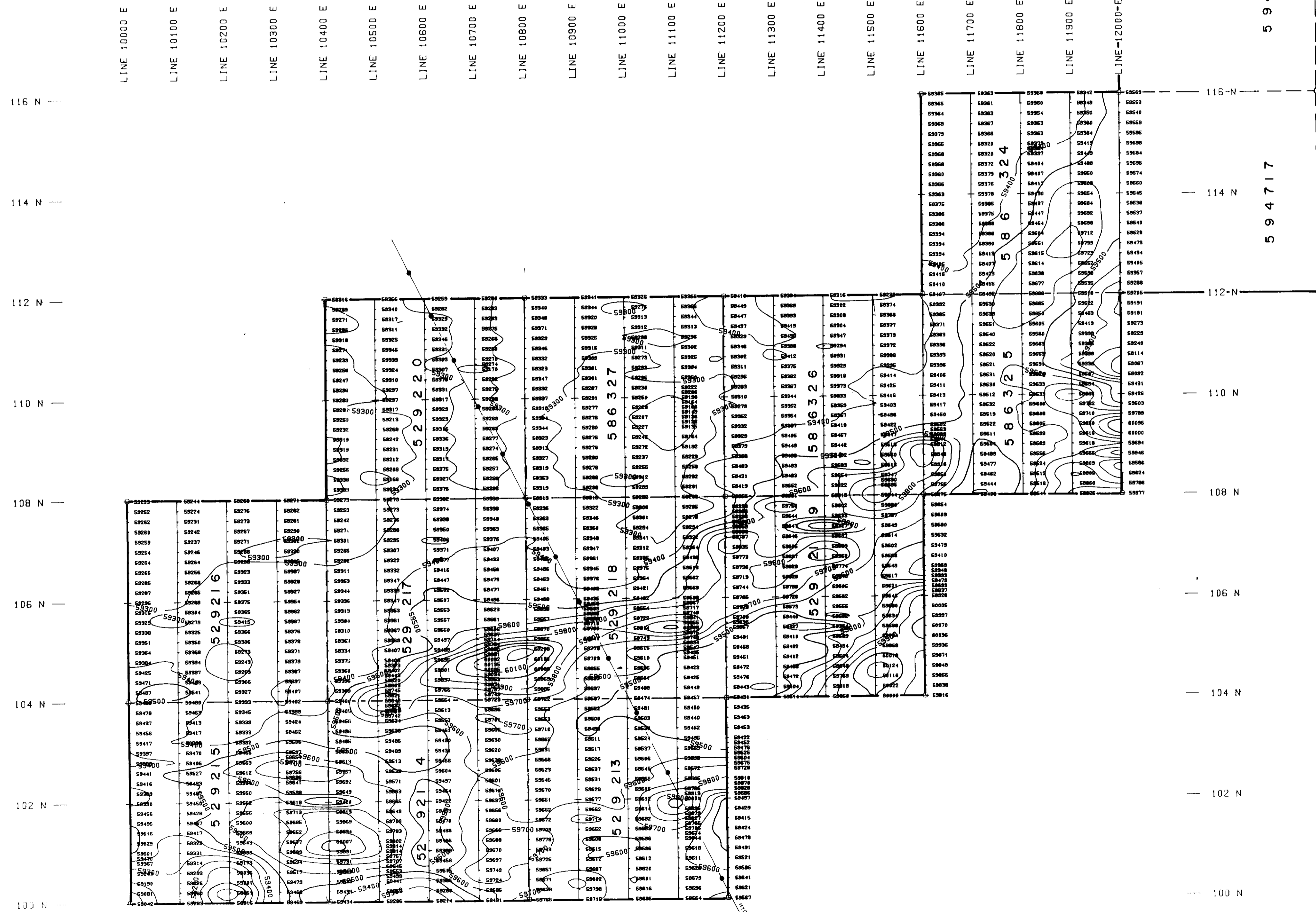
Murphy Twp. - M.303



Mountjoy Twp. - M.302



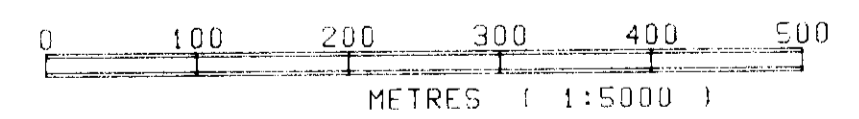
42A11S0004 2.4997 JESSOP



KEY MAP SCALE: 1" = 8 miles

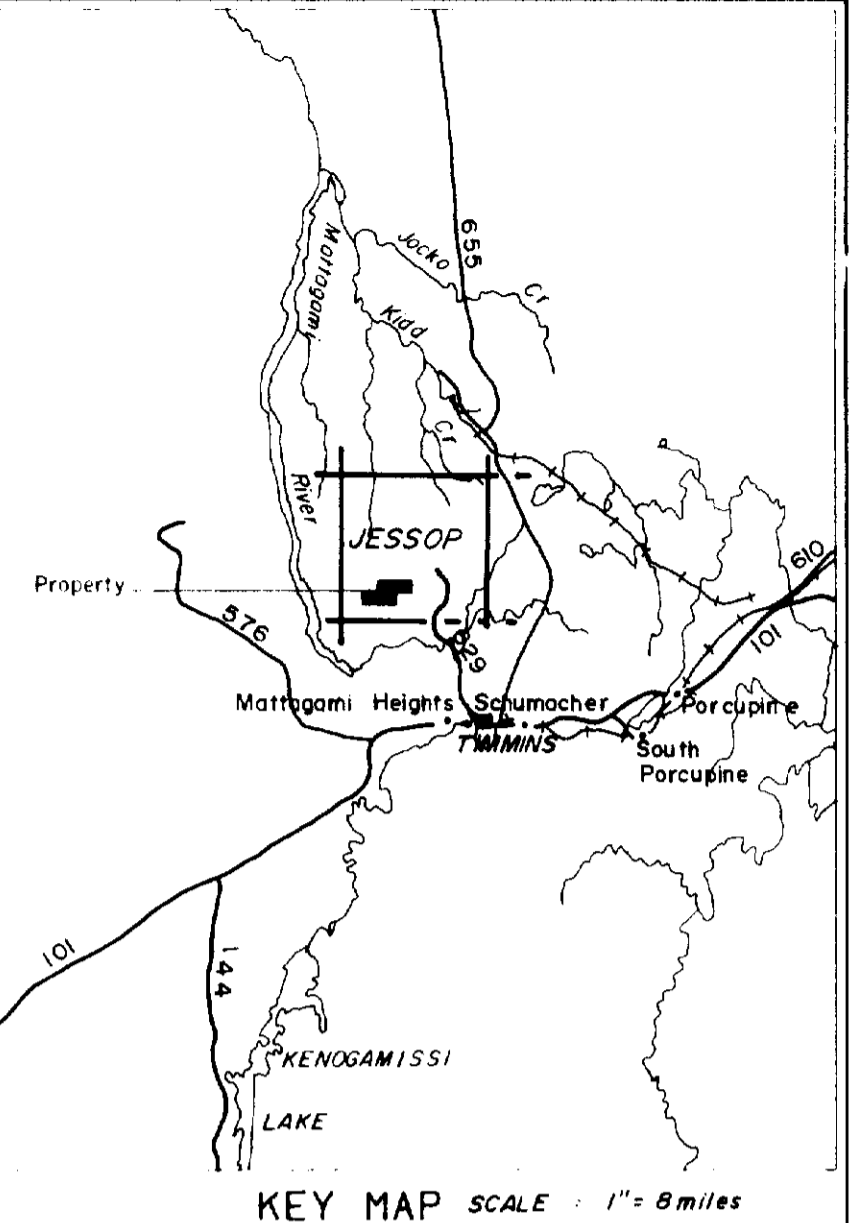
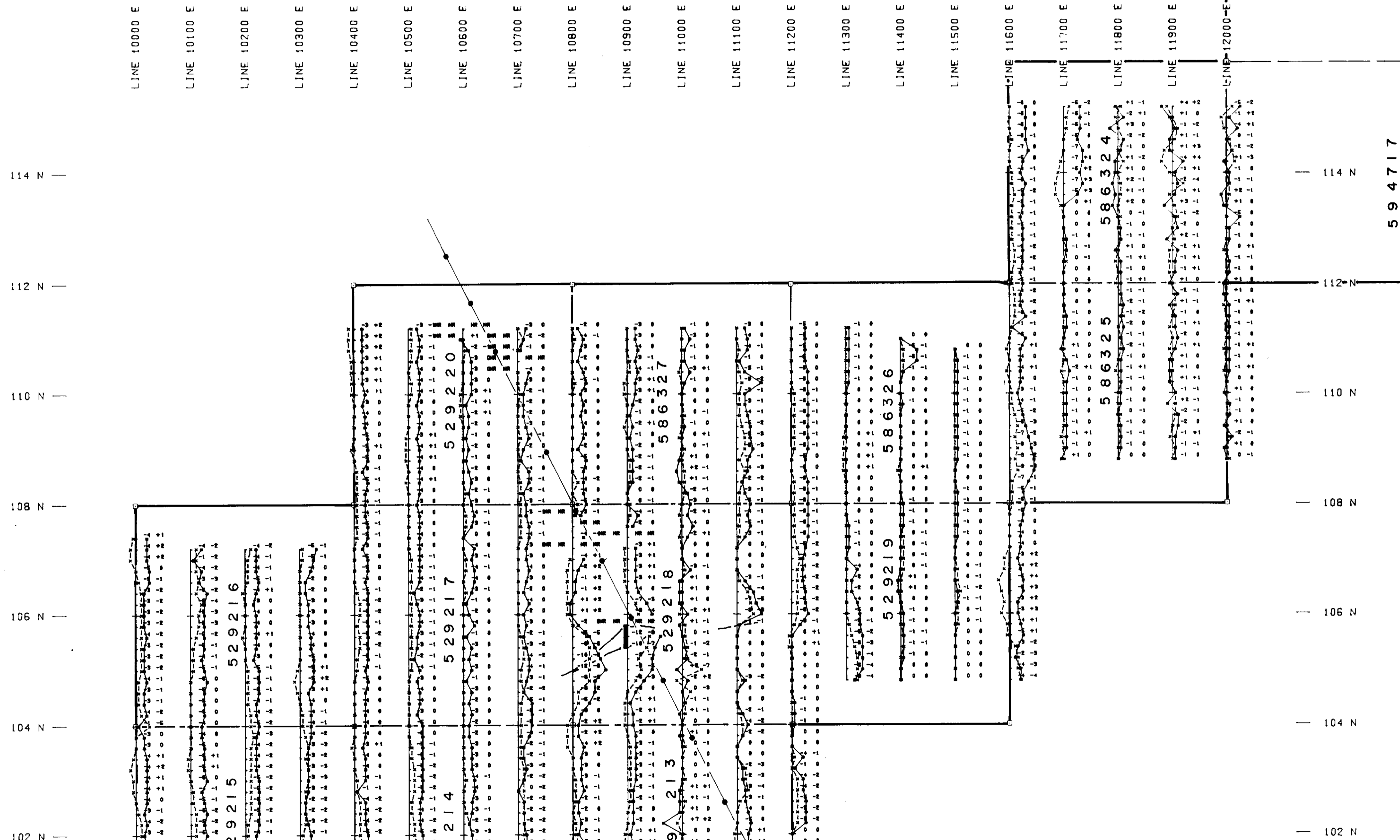
LEGEND

INSTRUMENT : GEOMETRICS G816
 TYPE : PROTON PRECESSION, TOTAL FIELD
 READINGS IN GAMMAS
 ▲ MAGNETIC BASE STATION



KIDD CREEK MINES LTD.
 MAGNETIC SURVEY
 JESSOP 13
 NTS:42-A-11 PROJ #16
 WORK BY: *Michael W. G...* DATE: 1987





LEGEND

444 Hz
 IN-PHASE READINGS
 QUADRATURE READINGS

INSTRUMENT : APEX PARAMETRICS MAXMIN II
 FREQUENCY : 444 Hz
 COIL SPACING : 160 METRES
 PROFILE SCALE : 1 CM = 10%

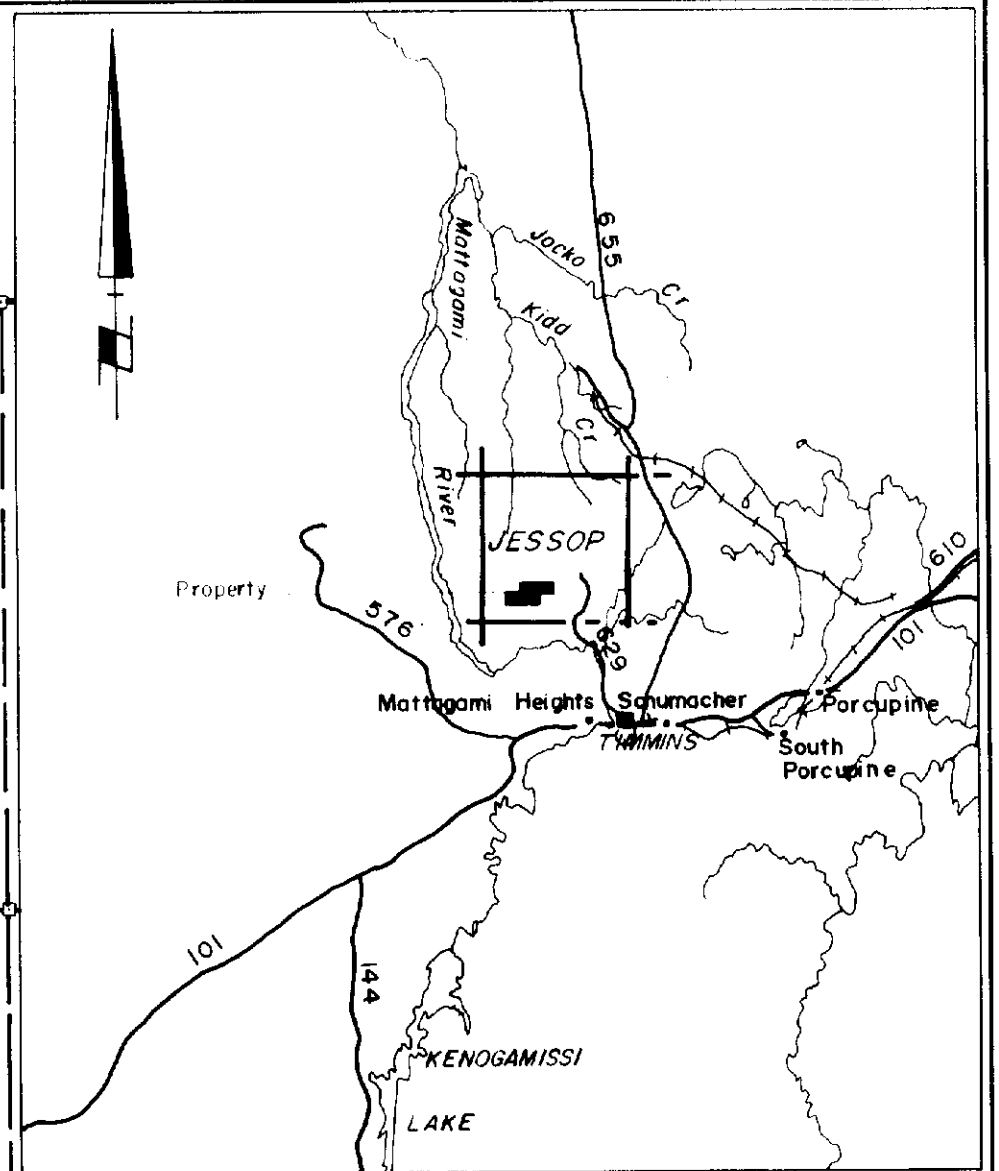
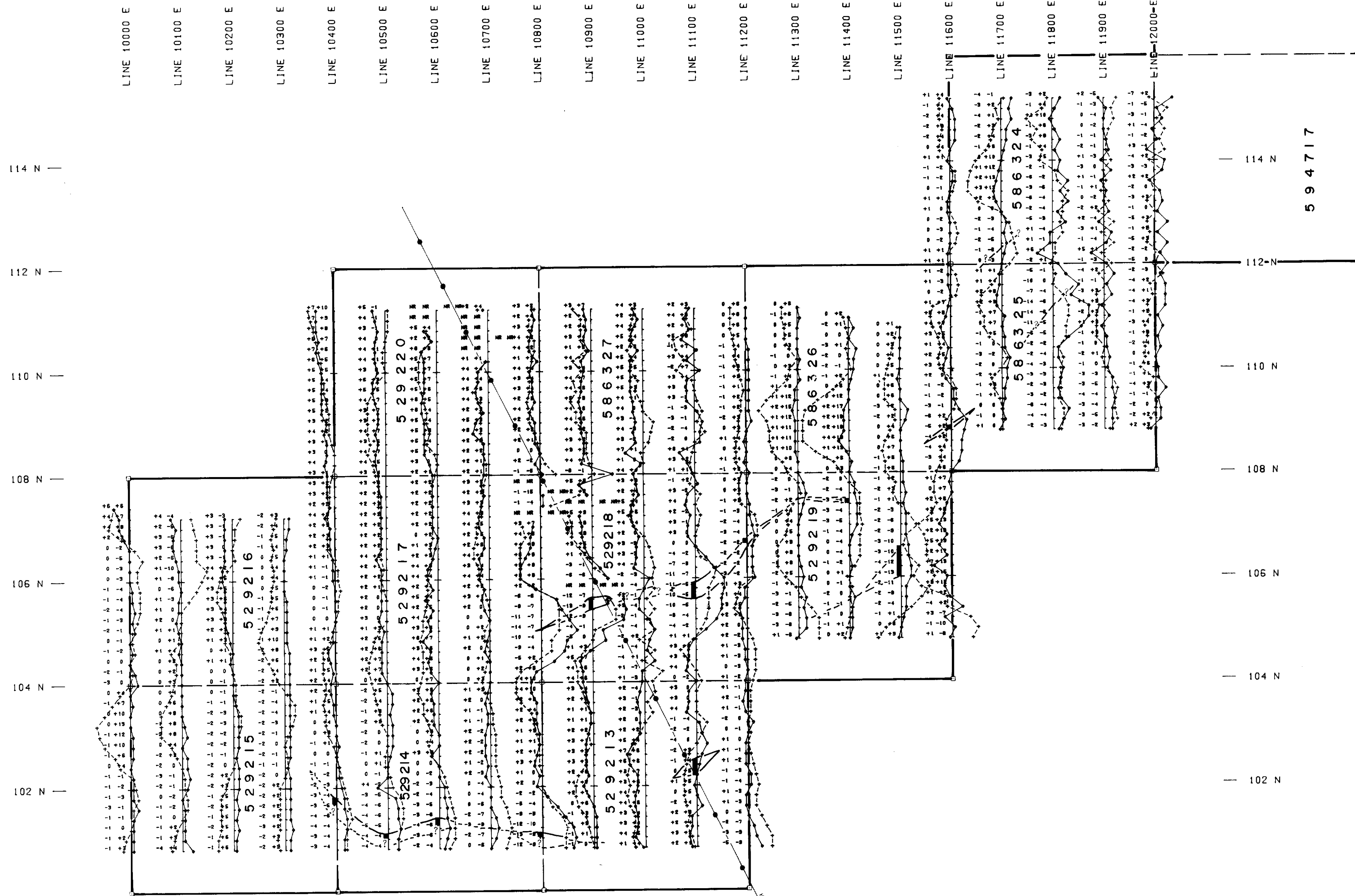
← + READINGS - READINGS →

0 100 200 300 400 500
 METRES (1:5000)

KIDD CREEK MINES LTD.
HORIZONTAL LOOP SURVEY
JESSOP 13
 HTS:42-A-11 PROJ #16

WORK BY: *Michael W. 3D* DATE: 1987

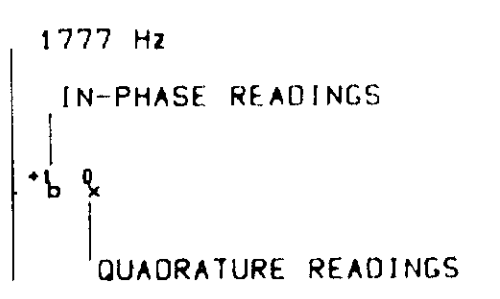




KEY MAP SCALE : 1" = 8 miles



LEGEND



INSTRUMENT : APEX PARAMETRICS MAXMIN II
 FREQUENCY : 1777 Hz
 COIL SPACING : 160 METRES
 PROFILE SCALE : 1 CM = 10%

← + READINGS - READINGS →



KIDD CREEK MINES LTD.	
HORIZONTAL LOOP SURVEY	
JESSOP 13	
NTS:42-A-11	PROJ #16
WORK BY <i>Michael W. G...</i>	DATE 1982





42A115T0004 2.4987 JESSOP

010

KIDD CREEK MINES LTD.

REPORT ON GEOPHYSICAL WORK

JESSOP TOWNSHIP

N.T.S.: 42-A-11

**Claims: P-529213-20
P-586324-27**

RECEIVED

AUG 13 1982

MINING LANDS SECTION

August, 1982

M.W. Zang

**Kidd Creek Mines Ltd.
Report on Geophysical Work
Jessop Township
N.T.S.: 42-A-11**

Introduction

Geophysical surveys consisting of proton precession magnetometer and horizontal loop electromagnetic traverses were conducted over a group of 12 contiguous claims in Jessop Township. These claims are located in Concession I from Lot 10 through to Lot 12.

Access to the property can be easily attained by car or truck using Craft Creek Rd. west of Highway 629. The road runs parallel to the base line and is only 800 metres south of the grid.

Survey Details

A base line was established coincident to the boundary between Jessop and Mountjoy Townships. Cross lines were cut at 100 metre intervals with stations established every 20 metres. Magnetic and electromagnetic values were recorded at 20 metre intervals, 10 metres over anomalous areas. The electromagnetic survey was run with a 160 metre coil spacing.

Survey Results

The property has fairly definitive geophysical trends.

These trends for the most part run north-east in the central and northern parts of the property and east for the southern part of the property.

The magnetic picture for the property is dominated by a zone of high magnetics that starts at 104N on Line 10500E, trends north-east across the property, finally merging with two other magnetic trends between 110N and 109N on Line 11700E. A strong but intermittent conductive zone coincides with the north flank of this magnetic high.

A parallel high magnetic zone appears to start at 102N on Line 11000E, trends north-east through claim P-529219, then finally exits the property completely between 110N and 108N on Line 12000E. Two marginal horizontal loop anomalies are coincident with the north flank of this magnetic high on Lines 11100E and 11500E.

These two magnetic zones are joined by a third in claim P-586325. This zone starts at 110N between Lines 11700E and 11800E, trends north north-east until it exits the property between 116N and 113N on Line 12000E. A single strong conductive response coincides with the south flank of the magnetic high on Line 11800E.

The final magnetic trend is a highly magnetic zone that starts at 10200E between 103N and 101N trends east across the property, then merges with the southern most north-east magnetic trend at 102N on Line 11100E. A moderately conductive zone coincides with this magnetic high between Lines 10400E and 10900E.

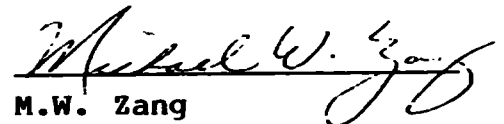
Conclusions and Recommendations:

Due to the good magnetic and horizontal loop correlation

especially in the southern and central portions of the property these claims hold good potential for sulfide conductors.

The geology in this area is unknown due to deep overburden and no previous drilling.

A follow-up horizontal loop survey is planned to better define the conductors indicated and to check on several low frequency responses that were probably due to instrument malfunctions.


M.W. Zang

MWZ/mg



Report of Work
(Geophysical, Geological,
Geochemical and Expenditures)

2.4997

P-529213

The Mining Act



42A11510004 2.4997 JESSOP

900

89566 115019 2.4997 #231

Type of Survey(s) Geophysical	Township or Area Jessop
Claim Holder(s) Kidd Creek Mines Ltd.	Prospector's Licence No. T-1
Survey Company Kidd Creek Mines Ltd.	Survey Dates (linecutting to office) 15 05 82 14 06 82 Day Mo. Yr. Day Mo. Yr.
Name and Address of Author (of Geo-Technical report) Michael W. Zang 571 Moneta Ave., Box 1140, Timmins, Ontario	
Total Miles of line Cut 14	

Special Provisions Credits Requested

Instructions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	20
	- Magnetometer	40
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Expend. Days Cr.
Prefix	Number	
P	529213	60
	529214	60
	529215	60
	529216	60
	529217	60
	529218	60
	529219	60
	529220	60
	586324	60
	586325	60
	586326	60
	586327	60

RECEIVED
JUN 25 1982
MINING LANDS SECTION

Man Days

Instructions	Geophysical	Days per Claim
Complete reverse side and enter date (R) (M)	- Electromagnetic	
	- Magnetometer	
JUN 16 1982	- Radiometric	
	- Other	
	Geological	
Receipt No.	Geochemical	

Airborne Credits

Notes: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	Days per Claim
	Magnetometer	
	Radiometric	

Expenditures (excludes power stripping)

Type of Work Performed: JUN 16 1982

Performed on Claim(s): 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15

Calculation of Expenditure Days Credits

Total Expenditures \$ [] + 15 = 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.

Report Completed

Date of Report: June 14/82
Reported by Holder or Agent (Signature): *Will Gasteiger*

For Office Use Only

Total Days Cr. Recorded: 720
Date Recorded: June 16/82
Date Approved as Recorded: 83:06:14

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:
W.A. Gasteiger, Box 1140 Timmins, Ontario

Date Certified: June 14/82
Certified by (Signature): *Will Gasteiger*

1982 09 17

2.4997

Mining Recorder
Ministry of Natural Resources
225 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

We have received reports and maps for a Geophysical (Electromagnetic and Magnetometer) Survey submitted under Special Provisions (credit for Performance and Coverage) on mining claims P 529213 et al in the Township of Jessop.

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

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

J. Skura:sc

cc: Kidd Creek Mines Limited
Timmins, Ontario
Attn: M.W. Zang.

Kidd Creek Mines Ltd.

Box 1140
571 Moneta Avenue,
Timmins, Ontario P4N 7H9
(705) 267-1188

Exploration Division

August 12, 1982

Mr. E. F. Anderson,
Director, Land Management Branch,
Whitney Block, Room 6450,
Queen's Park,
TORONTO, Ontario.
M7A 1W3.

RECEIVED

AUG 13 1982

MINI...

ON

Dear Sir:

Re: Jessop Township - Claims P-529213 - 20
and P-586324 - 27 - Geophysical Work

Enclosed please find duplicate copies of a report
and maps covering claims in Jessop Township.

Your prompt attention to this matter would be greatly
appreciated.

Yours truly,


MICHAEL W. ZANG
KIDD CREEK MINES (EXPLORATION) LTD.

MWZ/pp
Encls.

Kidd

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS – If more than one survey, specify data for each type of survey

Number of Stations Mag: 1066 HL: 898 Number of Readings Mag: 1118 HL: 838
Station interval Mag: 20m HL: 20m Line spacing 100m
Profile scale 1 cm= 10%
Contour interval 100 gammas

MAGNETIC

Instrument Geometrics G-816 Proton Precession Magnetometer
Accuracy – Scale constant + 1 gamma
Diurnal correction method Closed Loop
Base Station check-in interval (hours) Approximately 1 hour
Base Station location and value Intersection of grid lines and tie line

ELECTROMAGNETIC

Instrument Apex Parametrics Max Min II
Coil configuration Horizontal Loop
Coil separation 160m
Accuracy + 1%
Method: Fixed transmitter Shoot back In line Parallel line
Frequency 1777 Hz, 444 Hz
(specify V.L.F. station)
Parameters measured Percent of Primary Field

GRAVITY

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

**INDUCED POLARIZATION
RESISTIVITY**

Instrument _____
Method Time Domain Frequency Domain
Parameters – On time _____ Frequency _____
– Off time _____ Range _____
– Delay time _____
– Integration time _____
Power _____
Electrode array _____
Electrode spacing _____
Type of electrode _____