



52J08NW8834 2.12829 JUTTEN

010

Westmin Mines Ltd.  
Jutten Twp. Project  
Hackett Lake Grid  
Report on Ground Geophysical Surveys  
and Geological Mapping

**2. 128 29**

N.T.S.        52 J/7  
Latitude     50°22'N  
Longitude    90°29'W

October 1, 1989

C. J. Rockingham, M.Sc.



52J08NW8834 2.12829 JUTTEN

010C

Table of Contents

	<u>Page</u>
Introduction	1
Location, Access and Topography	1
Geophysics	1
Geology	5
Appendix 1 - Specifications for Geophysical Equipment	6
Certification	

List of Figures

Figure 1 - Location Map	2
Figure 2 - Claim Map	3

List of Tables

Table 1 - Land Status	4
-----------------------	---

Maps

Magnetometer Survey	1:2000	(in pocket)
VLF-EM Survey	1:2000	"
Geology Map	1:2000	"

### Introduction:

Westmin Mines Limited acquired an additional 8 claims (Pa1043476-483 incl.) in Jutten Township in January 1989. Interest in the area was prompted by the results of previous exploration (trenching and diamond drilling) on ground to the southwest of the claims and the patented claims to the northeast. Ground geophysical surveys (magnetometer, VLF-EM) were undertaken in January 1989 and July 1989.

### Location, Access and Topography:

The Jutten claims (Figure 1) are located approximately 240 kilometres northwest of Thunder Bay and 10 kilometres northeast of the town of Savant Lake, Ontario (N.T.S. 52 J/7). Access to the property is by boat (summer) or skidoo (winter) from a tourist lodge 5 kilometres to the north. The lodge is linked to Highway 599 by a tractor road. Topographic relief is generally low (5 metres) but may be steep (scarps up to 25 metres) in areas of outcrop.

Westmin Mines Limited has 100% interest in the claims (Figure 2, Table 1).

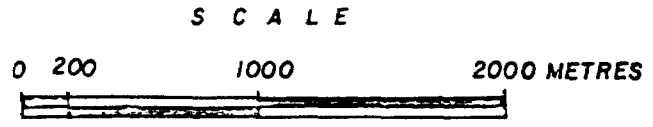
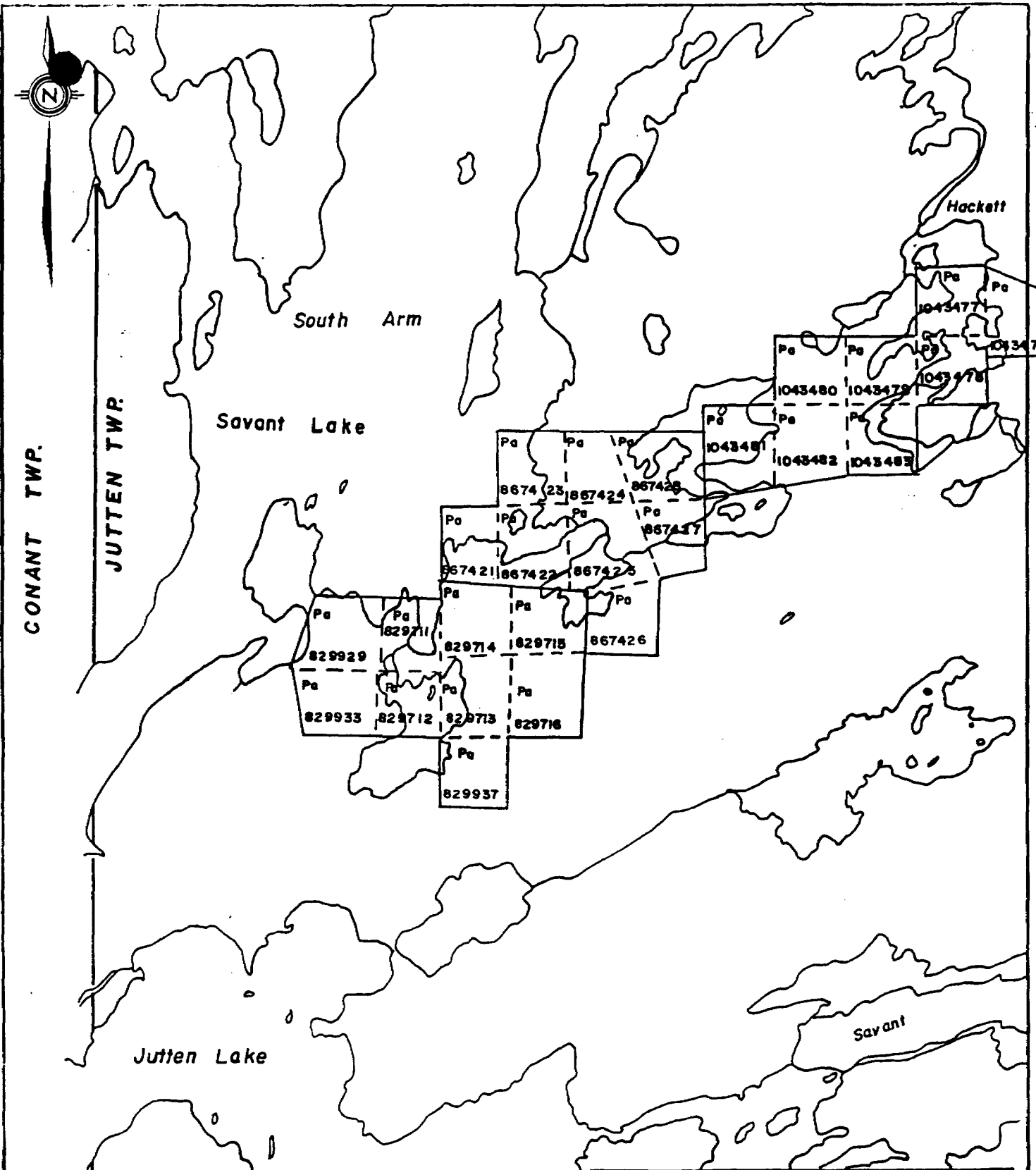
### Geophysics:

In January 1986, a total of 10.8 kilometres of linecutting was completed on the claims to provide control for the geophysical surveys. Lines are spaced 100 metre intervals with stakes chained in at 25 metres along the lines as control for the survey. G. Lafortune (Sudbury, Ontario) carried out the geophysics and linecutting.

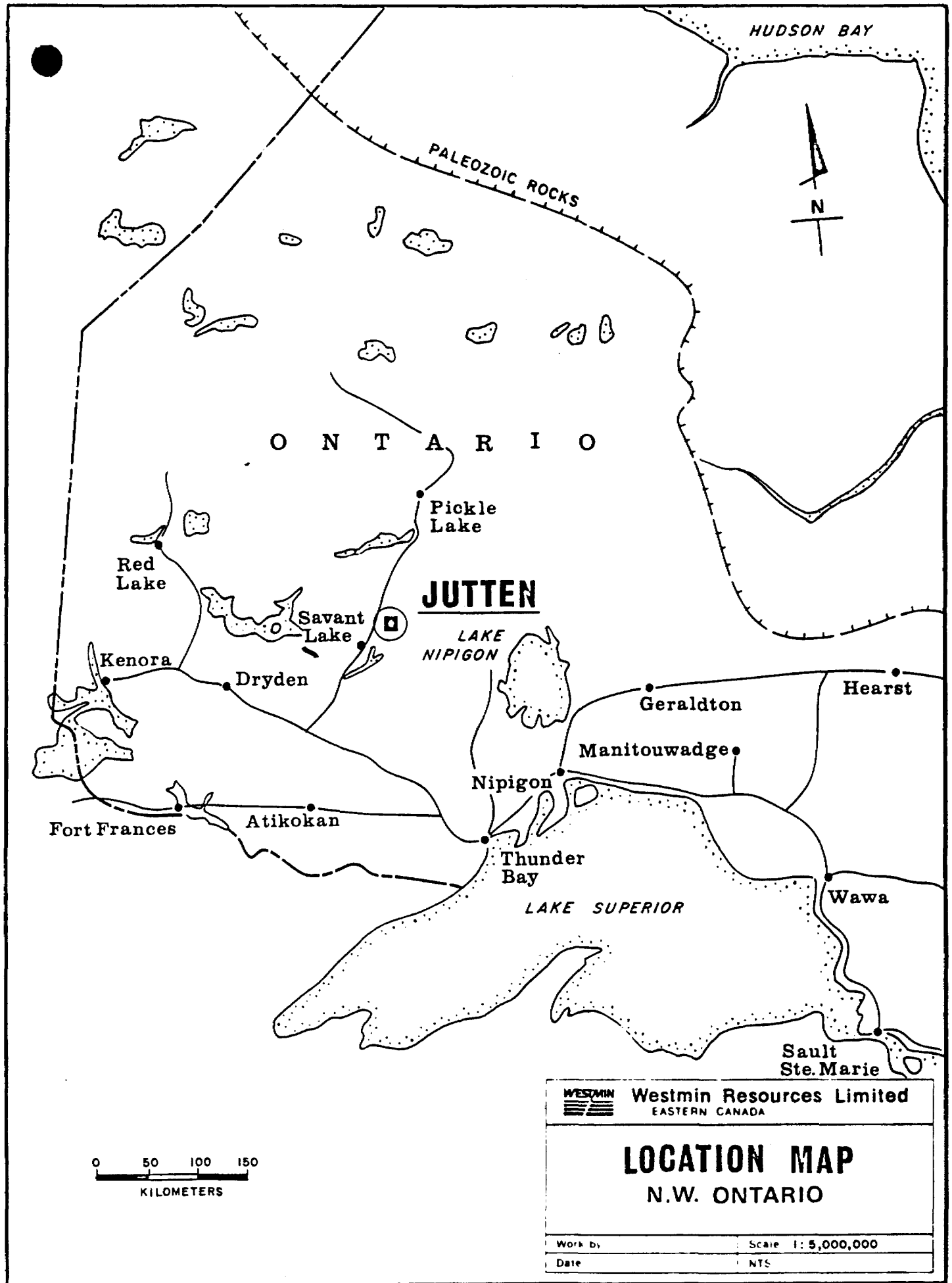
### Survey Methods:

#### Magnetometer Survey (See map, back pocket)

Total coverage of the grid (10.8 km) was completed using the McPhar M-700 fluxgate magnetometer and readings were taken at 25 metre intervals along the lines. The data was corrected for diurnal variation by reading loops along the base line between reading individual lines. The results are contoured at 100 gamma intervals.



<b>Westmin Resources Limited</b> EASTERN CANADA MINING DIVISION	
<b>JUTTEN PROPERTY</b>	
Patricie M.D.	Ontario
Work by S.K.	Scale 1:31,680
Date	NTS 52-J-7



**WESTMIN** Westmin Resources Limited  
EASTERN CANADA

**LOCATION MAP**  
N.W. ONTARIO

Work by	Scale 1: 5,000,000
Date	NTS

JUTTEN PROJECT - PROPERTY STATUS

Location: Jutten Township (G-2874), Patricia Mining Division, Ontario  
N.T.S. 52-J-7

Equity: Westmin Mines Limited 100% (Licence T-4638)

<u>Claims</u>	<u>Recording Date</u>	<u>Assessment Due Date</u>	<u>Days Filed</u>	<u>Lease Due</u>
Pa 829711	12 Feb.1985	Completed	216	*12 Feb.1991
Pa 829712	12 Feb.1985	Completed	217	*12 Feb.1991
Pa 829713	26 Feb.1985	Completed	216	*26 Feb.1991
Pa 829714	26 Feb.1985	Completed	222	*26 Feb.1991
Pa 829715	26 Feb.1985	Completed	222	*26 Feb.1991
Pa 829716	26 Feb.1985	Completed	216	*26 Feb.1991
Pa 829929	12 Feb.1985	Completed	226	*12 Feb.1991
Pa 829933	12 Feb.1985	Completed	224	*12 Feb.1991
Pa 829937	12 Feb.1985	Completed	216	*12 Feb.1991
Pa 867421	21 Jan.1986	Completed	210	*21 Jan.1992
Pa 867422	21 Jan.1986	Completed	218	*21 Jan.1992
Pa 867423	21 Jan.1986	Completed	210	*21 Jan.1992
Pa 867424	21 Jan.1986	Completed	210	*21 Jan.1992
Pa 867425	21 Jan.1986	Completed	220	*21 Jan.1992
Pa 867426	21 Jan.1986	Completed	210	*21 Jan.1992
Pa 867427	21 Jan.1986	Completed	210	*21 Jan.1992
Pa 867428	21 Jan.1986	Completed	220	*21 Jan.1992
Pa 1043476	24 Jan.1989	24 Jan.1990	Nil	24 Jan.1995
Pa 1043477	24 Jan.1989	24 Jan.1990	Nil	24 Jan.1995
Pa 1043478	24 Jan.1989	24 Jan.1990	Nil	24 Jan.1995
Pa 1043479	24 Jan.1989	24 Jan.1990	Nil	24 Jan.1995
Pa 1043480	24 Jan.1989	24 Jan.1990	Nil	24 Jan.1995
Pa 1043481	24 Jan.1989	24 Jan.1990	Nil	24 Jan.1995
Pa 1043482	24 Jan.1989	24 Jan.1990	Nil	24 Jan.1995
Pa 1043483	24 Jan.1989	24 Jan.1990	Nil	24 Jan.1995

15 claims = 400 ha

\* Legal Survey Completed.

Date: 20 October 1989

Jutten, Ontario  
Page 1 of 1

VLF-EM Survey:

All VLF readings were taken facing north and reading the Seattle Washington transmitter. Readings were taken at 25 metre intervals along the line and are plotted on the map with a profile of the in-phase and quadrature.

All conductors are generally poor quality with fairly broad crossovers and a flat quadrature response indicative of conductive overburden. The possible exception to this is the conductor that is just south of the baseline between lines 400E and 800E. Here there is abundant outcrop although no conductive features were noted during the mapping. Other conductors are generally in the lakes or coincident with a creek flowing between lines 4E and 8E north of the baseline. Magnetic correlation with conductors is absent except on line 12E at 100N where there is a one station magnetic low with a very weak VLF crossover.

Geology:

Geological mapping was completed in July in conjunction with the geophysics. The map area has abundant outcrop particularly along the lakeshore. Inland there is locally abundant outcrop with a thin cover of humus and soil. With the exception of one small exposure of more intermediate rock (Base Line at 4+50E) all outcrops are basalt flows. The basalts are massive dark green medium to fine grained. Pillow structures are locally present. The flows strike from 45-70 east of north with a steep southeast dip. Stratigraphic tops, where they could be determined, are to the southeast. One outcrop at 1+60N, 3+60E is a variolitic basalt. No significant sulfide concentrations were noted. One two metre thick discordant quartz vein was noted at 7+90E, 3+40S but this contained less than 5 ppb gold.

  
C. J. Rockingham, M.Sc.

Qual 2.3164

Appendix 1

Specification for Geophysical Equipment





# M700 MAGNETOMETER

## SPECIFICATIONS

### 2-1 MAXIMUM SENSITIVITY

20 gammas per scale division on 1,000 gamma range.  
Readability is 1/4 scale division or 5 gammas.

### 2-2 MAXIMUM MEASUREMENT

Zero to  $\pm 100,000$  gammas in five ranges.

Range Switch Position	Full Scale In Gammas	Gammas Per Scale Division
1K	1,000	20 black scale
3K	3,000	50 red scale
10K	10,000	200 black scale
30K	30,000	500 red scale
100K	100,000	2,000 black scale

### 2-3 MEASUREMENT POLARITY

The above ranges can be reversed in polarity as a simple function of the Polarity switch.

### 2-4 LATITUDE ADJUSTMENT

The latitude adjustment permits cancelling the earth's field up to a magnitude of  $\pm 100,000$  gammas. The adjustment control is a ten revolution precision potentiometer located under the sliding side panel. A positive type locking lever on the control removes the hazard of accidentally dislodging the setting.

### 2-5 SELF-LEVELLING SENSING HEAD

The unique self-levelling sensing head of this magnetometer is inserted as a plug-in unit. It is easily detached so that the same magnetometer can be used with other types of sensing heads such as the airborne gyro stabilized head etc.

It is recommended that the instrument be re-calibrated at our servicing depot, each time the sensing head is changed.

### 2-6 ORIENTATION ERROR

The orientation error is set at the factory to 25 gammas or less in the presence of a 15,000 gamma horizontal field. It is poss-

ible to adjust the orientation error and the procedure is explained in the section 9-2 under Maintenance.

### 2-7 TEMPERATURE STABILITY

Over the temperature range of  $-35$  to  $+55$  degrees centigrade the temperature drift is limited to less than 50 gammas. See section 4-6 on Minimizing Temperature Drift.

### 2-8 BATTERY SUPPLY

The M700 Magnetometer is powered by two internally mounted 9 volt batteries. Any pair of the following batteries may be used.

Eveready No. 276  
Mallory No. M1603  
Burgess No. D6  
R. C. A. No. VS306

For sub-zero operation the batteries may be transferred to an external battery case and carried under clothing to keep them from freezing. See section 6, Operation with External Batteries.

Two types of external battery cases are available see accessory list, section 11. One type is for the above batteries. Another type of case will accommodate the equivalent in flashlight cells for use in countries where the normal batteries are difficult to obtain.

### 2-9 ACCESSORY RECEPTACLE

A Cannon receptacle is located on the side of the instrument under the sliding panel. This increases the versatility of the instrument so it can be used in a number of ways in addition to its normal vertical field ground magnetometer function. See section 8, under Extended Applications and section 11, under Accessories.

### 2-10 ACCESSORY & LATITUDE SWITCH

This is a double function switch. The first function is to permit operation north or south of the equator by simply changing one step

## 2-10 ACCESSORY & LATITUDE SWITCH (Cont'd.)

on the switch. By switching an additional step, the accessory socket is brought into connection and accessories can be applied to the instrument.

## 2-11 WEIGHT

The weight of the magnetometer is distributed as follows:-

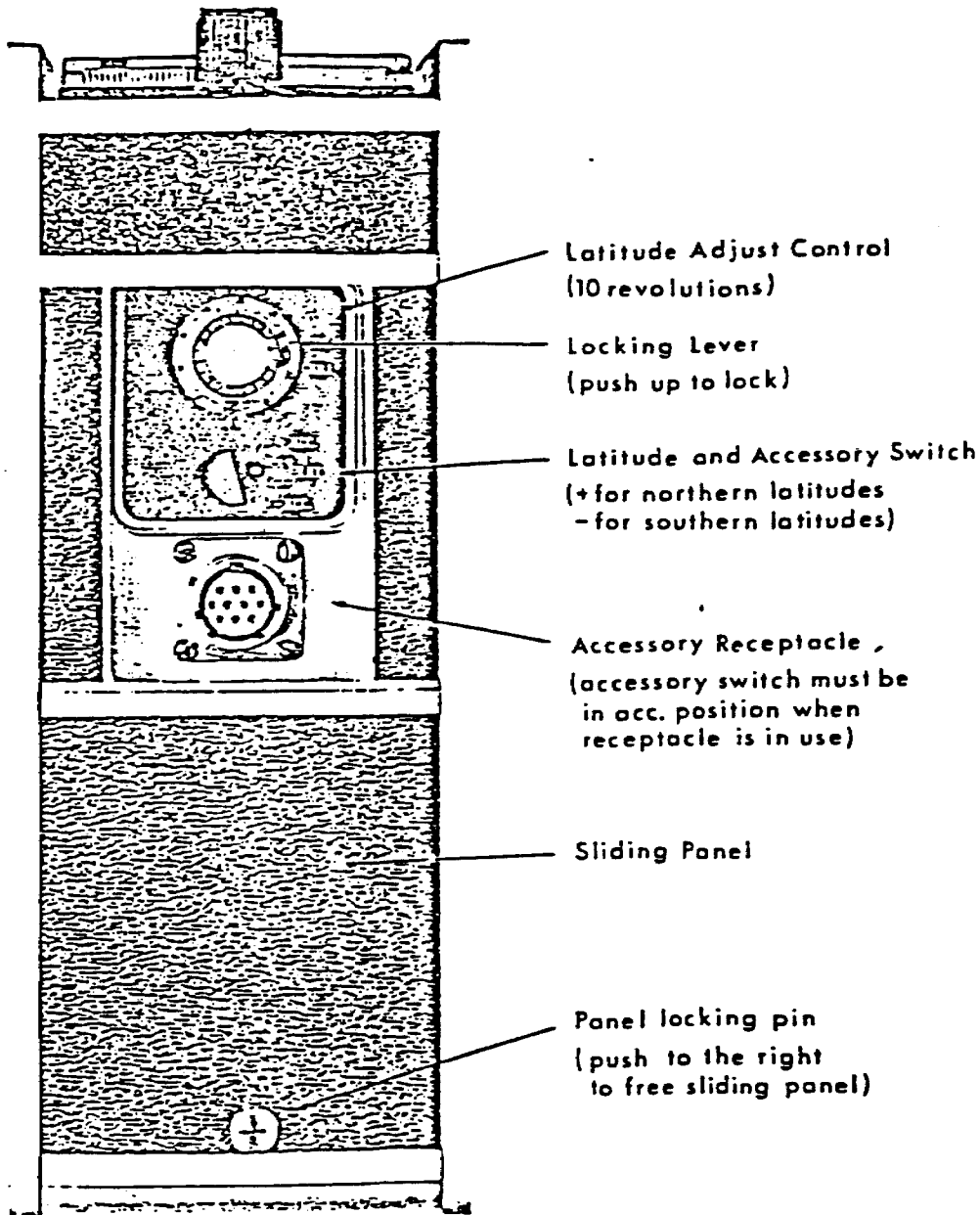
Console:	6 pounds
Batteries:	1-1/4 pounds
	2 type Eveready 276
Carrying Case:	2 pounds

## 2-12 MAGNETOMETER DIMENSIONS

Width:	6-7/8 inches
Depth:	3-3/4 inches
Height:	9-5/8 inches

## 2-13 TRANSIT CASE

The magnetometer is shipped in a foam fitted transit case. The case is designed to accommodate the magnetometer in its leather case, spare batteries, external battery cable and battery case and instruction manual.



# LIVI TO

## EM 16

Pioneered and patented exclusively by Geonics Limited, the VLF method of electromagnetic surveying has been proven to be a major advance in exploration geophysical instrumentation.

Since the beginning of 1965 a large number of mining companies have found the EM16 system to meet the need for a simple, light and effective exploration tool for mining geophysics.

The VLF method uses the military and time standard VLF transmissions as primary field. Only a receiver is then used to measure the secondary fields radiating from the local conductive targets. This allows a very light, one-man instrument to do the job. Because of the almost uniform primary field, good response from deeper targets is obtained.

The EM16 system provides the *in-phase* and *quadrature* components of the secondary field *with the polarities indicated*.

Interpretation technique has been highly developed particularly to differentiate deeper targets from the many surface indications.

### Principle of Operation

The VLF transmitters have vertical antennas. The magnetic signal component is then horizontal and concentric around the transmitter location.



## Specifications

Source of primary field	VLF transmitting stations.	Reading time	10-40 seconds depending on signal strength.
Transmitting stations used	Any desired station frequency can be supplied with the instrument in the form of plug-in tuning units. Two tuning units can be plugged in at one time. A switch selects either station.	Operating temperature range	-40 to 50° C.
Operating frequency range	About 15-25 kHz.	Operating controls	ON-OFF switch, battery testing push button, station selector, switch, volume control, quadrature, dial $\pm 40\%$ , inclinometer dial $\pm 150\%$
Parameters measured	(1) The vertical in-phase component (tangent of the tilt angle of the polarization ellipsoid). (2) The vertical out-of-phase (quadrature) component (the short axis of the polarization ellipsoid compared to the long axis).	Power Supply	6 size AA (penlight) alkaline cells. Life about 200 hours.
Method of reading	In-phase from a mechanical inclinometer and quadrature from a calibrated dial. Nulling by audio tone.	Dimensions	42 x 14 x 9 cm (16 x 5.5 x 3.5 in.)
Scale range	In-phase $\pm 150\%$ ; quadrature $\pm 40\%$ .	Weight	1.6 kg (3.5 lbs.)
Readability	$\pm 1\%$ .	Instrument supplied with	Monotonic speaker, carrying case, manual of operation, 3 station selector, plug-in tuning units (additional frequencies are optional), set of batteries.
		Shipping weight	4.5 kg (10 lbs.)



GEONICS LIMITED

Designers & Manufacturers  
of Geophysical Instruments

1745 Meyerside Drive, Unit 8  
Mississauga/Ontario/Canada  
L5T 1C5  
Tel: (416) 676-9580  
Cables: Geonics

Certification

I, Christopher J. Rockingham, of 765 Millwood Road, Toronto, Ontario, M4G 1V7, certify the following facts:

- 1) I am a Fellow of the Geological Association of Canada.
- 2) I hold a B.Sc., in Chemistry and Biology obtained from the University of Toronto in 1972 and a M.Sc. in geology obtained from the Univeristy of Western Ontario in 1979.
- 3) I havé practised my profession for 14 years working in Canada, Australia and Southern Africa.
- 4) I have supervised the work and interpreted the results mentioned in the foregoing report.
- 5) I have no financial interest in this property.

October 1989

  
\_\_\_\_\_  
Christopher J. Rockingham, B.Sc., M.Sc.



52J08NW8834 2.12829 JUTTEN

900

Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

Mining Lands Section  
880 Bay Street, 3rd Floor  
Toronto, Ontario  
M5S 1Z8

Telephone: (416) 965-488

March 22, 1990

Your File: W8903-151  
Our File: ~~2-12829~~

Mining Recorder  
Ministry of Northern Development and Mines  
Court House  
P.O. Box 3000  
Sioux Lookout, Ontario  
POV 2T0

Dear Sir:

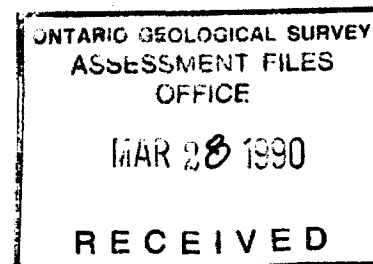
Re: Notice of Intent dated January 22, 1990 for Geological &  
Geophysical (Electromagnetic & Magnetometer) Survey submitted  
on Mining Claims PA 1043476 et al in Jutten Township.

The assessment work credits, as listed with the above-mentioned Notice  
Intent have been approved as of the above date.

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

Yours sincerely,

W.R. Cowan  
Provincial Manager, Mining Lands  
Mines & Minerals Division



DM:pt  
Enclosure

cc: Mr. G.H. Ferguson  
Mining and Lands Commissioner  
Toronto, Ontario

Resident Geologist  
Sioux Lookout, Ontario

Westmin Mines Limited  
Toronto, Ontario





File  
2.12829

Date  
Jan. 19, 1990

Mining Recorder's Report of  
Work No.  
W8903.151

Recorded Holder  
**Westmin Mines Ltd.**

Township or Area  
**Jutten**

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
<b>Geophysical</b> Electromagnetic <u>40</u> days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days  Section 77 (19) See "Mining Claims Assessed" column Geological <u>15.6</u> days Geochemical _____ days  Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/>  <input checked="" 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.	<b>PA-1043476 - 483 incl.</b>

Special credits under section 77 (16) 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 77(19) - 60.



Ontario

Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

Mining Lands Section  
880 Bay Street, 3rd Floor  
Toronto, Ontario  
M5S 1Z8

Telephone: (416) 965-4888

February 22, 1990

Your File: W8903.151  
Our File: 2.12829

Mining Recorder  
Ministry of Northern Development and Mines  
Court House  
P.O. Box 3000  
Sioux Lockout, Ontario  
POV 2T2

ONTARIO GEOLOGICAL SURVEY  
ASSESSMENT FILES  
OFFICE

FEB 26 1990

RECEIVED

Dear Sir:

Re: Notice of Intent dated January 22, 1990 for Geological and Geophysical Survey  
Submitted on Mining Claims PA 1043476 et al in Township of  
Jutten.

The assessment work credits, as listed with the above-mentioned Notice of Intent  
have been approved as of the above date.

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

Yours sincerely,

*Bill Stewart*

for W.R. Cowan  
Provincial Manager, Mining Lands  
Mines & Minerals Division

LS:pt  
Enclosure

cc: Mr. G.H. Ferguson  
Mining and Lands Commissioner  
Toronto, Ontario

Resident Geologist  
Sioux Lockout, Ontario

Westmin Mines Ltd  
Toronto, Ontario





File  
2.12829

Date  
Jan. 19, 1990

Mining Recorder's Report of  
Work No.  
W8903.151

Recorded Holder  
**Westmin Mines Ltd.**

Township or Area  
**Jutten**

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic <u>40</u> days Magnetometer <u>20</u> days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological <u>15.6</u> days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision: <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input checked="" 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-1043476 - 483 incl.

Special credits under section 77 (16) 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 77(19) - 60.





GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 469 VLF 1,012 Mag 469
Station interval 25 m Number of Readings Line spacing 100 m
Profile scale 1 cm = 20%
Contour interval 100 y

MAGNETIC

Instrument Mc Phar M-700 fluxgate magnetometer
Accuracy - Scale constant +/- 5 gammas
Diurnal correction method Reading loops along the base line between individual lines
Base Station check-in interval (hours) N/A
Base Station location and value N/A

ELECTROMAGNETIC

Instrument Geonics EM-16
Coil configuration N/A
Coil separation N/A
Accuracy +/- 1%
Method: [ ] Fixed transmitter [ ] Shoot back [ ] In line [X] Parallel line
Frequency Seattle, Washington (specify V.L.F. station)
Parameters measured In phase, quadrature

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

SELF POTENTIAL

Instrument \_\_\_\_\_ Range \_\_\_\_\_

Survey Method \_\_\_\_\_

Corrections made \_\_\_\_\_

RADIOMETRIC

Instrument \_\_\_\_\_

Values measured \_\_\_\_\_

Energy windows (levels) \_\_\_\_\_

Height of instrument \_\_\_\_\_ Background Count \_\_\_\_\_

Size of detector \_\_\_\_\_

Overburden \_\_\_\_\_

(type, depth - include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey \_\_\_\_\_

Instrument \_\_\_\_\_

Accuracy \_\_\_\_\_

Parameters measured \_\_\_\_\_

Additional information (for understanding results) \_\_\_\_\_

AIRBORNE SURVEYS

Type of survey(s) \_\_\_\_\_

Instrument(s) \_\_\_\_\_

(specify for each type of survey)

Accuracy \_\_\_\_\_

(specify for each type of survey)

Aircraft used \_\_\_\_\_

Sensor altitude \_\_\_\_\_

Navigation and flight path recovery method \_\_\_\_\_

Aircraft altitude \_\_\_\_\_ Line Spacing \_\_\_\_\_

Miles flown over total area \_\_\_\_\_ Over claims only \_\_\_\_\_

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Total Number of Samples \_\_\_\_\_

Type of Sample \_\_\_\_\_  
(Nature of Material)

Average Sample Weight \_\_\_\_\_

Method of Collection \_\_\_\_\_

Soil Horizon Sampled \_\_\_\_\_

Horizon Development \_\_\_\_\_

Sample Depth \_\_\_\_\_

Terrain \_\_\_\_\_

Drainage Development \_\_\_\_\_

Estimated Range of Overburden Thickness \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

General \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

ANALYTICAL METHODS

Values expressed in: per cent   
p. p. m.   
p. p. b.

Cu, Pb, Zn, Ni, Co, Ag, Mo, As, -(circle)

Others \_\_\_\_\_

Field Analysis (\_\_\_\_\_ tests)

Extraction Method \_\_\_\_\_

Analytical Method \_\_\_\_\_

Reagents Used \_\_\_\_\_

Field Laboratory Analysis

No. (\_\_\_\_\_ tests)

Extraction Method \_\_\_\_\_

Analytical Method \_\_\_\_\_

Reagents Used \_\_\_\_\_

Commercial Laboratory (\_\_\_\_\_ tests)

Name of Laboratory \_\_\_\_\_

Extraction Method \_\_\_\_\_

Analytical Method \_\_\_\_\_

Reagents Used \_\_\_\_\_

General \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





# Salary Distribution

Westmin Resources Limited

DEPARTMENT Eastern Exploration

NAME GERRY LAFORTUNE MONTH JAN 19 89

DATE	PROJECT DESCRIPTION	AFE NO.	DATE	PROJECT DESCRIPTION	AFE NO.
1			16	SAVANT LAKE	
2			17	DITTO	
3	SAVANT LAKE		18	"	
4	DITTO		19	"	
5	"		20	"	
6	"		21	"	
7	"		22	"	
8	"		23	"	
9	"		24	"	
10	"		25	"	
11	"		26	JULIEN	
12	"		27	"	
13	"		28	"	
14	"		29	"	
15	"		30	LITTLE STUHL	
			31	DITTO	

### EXPLORATION STAFF ONLY

### DISTRIBUTION SUMMARY

Bonus days earned this month \* 4 1/2  
 Cumulative bonus days previous month \_\_\_\_\_  
 Bonus days taken this month \_\_\_\_\_  
 Cumulative bonus days end of month 4 1/2

Project	AFE No.	Days
Savant Lake		25
Little Stuhl		2
		27

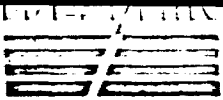
\* The basic work week is 5 1/2 days per week Monday to Sunday.

Vacation Days Taken \_\_\_\_\_ Sick Days Taken \_\_\_\_\_

APPROVED [Signature]

SIGNED Gerry Lafortune  
SPECIAL CODES \_\_\_\_\_





# Salary Distribution

Westmin Resources Limited

EASTERN:

DEPARTMENT EXPLORATION

NAME JERRY LAFORTUNE

MONTH JULY

19 89

DATE	PROJECT DESCRIPTION	AFE NO.	DATE	PROJECT DESCRIPTION	AFE NO.
1	CLEARWATER	1010	16		
2	DAY OFF		17		
3	JUTTEN	1051	18		
4		"	19		
5		"	20		
6		"	21		
7		"	22		
8	✓	"	23		
9	JUTTEN	"	24		
10			25		
11			26		
12			27		
13			28		
14			29		
15			30		
			31		

EXPLORATION STAFF ONLY		DISTRIBUTION SUMMARY		
Bonus days earned this month *	<u>1</u>	Project	AFE No.	Days
Cumulative bonus days previous month	<u>6</u>	CLEARWATER		1
Bonus days taken this month	<u>1</u>	JUTTEN	CR.7	5
Cumulative bonus days end of month	<u>6</u>			
* The basic work week is 5 1/2 days per week monday to sunday.				8

Vacation Days Taken 1 Sick Days Taken 0

APPROVED [Signature]  
SIGNED [Signature]

SPECIAL CODES

P - Public Holiday      V - Paid Vacation      S - Sick      BD - Bonus Days Taken

# Salary Distribution

Westmin Resources Limited

DEPARTMENT EXPLORATION

NAME ROCKINGHAM

MONTH JULY

19 89

DATE	PROJECT DESCRIPTION	AFE NO.	DATE	PROJECT DESCRIPTION	AFE NO.
1	GOLD GEN	1027	16		
2	" "	"	17	VACATION	
3	JUTTEN	1051	18	"	
4	"	"	19	"	
5	"	"	20	"	
6	"	"	21	"	
7	"	"	22		
8	"	"	23		
9	"	"	24	VACATION	
10	"	"	25	B.D.	
11	VACATION		26	L. STULL	1013
12	"		27	"	"
13	"		28	" 1/2 B.D.	
14	"		29		
15			30		
			31	L. STULL	1013

EXPLORATION STAFF ONLY	DISTRIBUTION SUMMARY		
Bonus days earned this month <u>2 1/2</u>	Project	AFE No.	Days
Cumulative bonus days previous month <u>5 1/2</u>	GOLD GEN	1027	2
Bonus days taken this month <u>—</u>	JUTTEN	1051	8
Cumulative bonus days end of month <u>8</u>	L. STULL	1013	3 1/2
			13 1/2

\* The basic work week is 5 1/2 days per week Monday to Sunday.

Vacation Days Taken 10 Sick Days Taken —

APPROVED [Signature]  
 SIGNED C. Rockingham

SPECIAL CODES

P - Public Holiday      V - Paid Vacation      S - Sick      BD - Bonus Days Taken

# REFERENCES

## AREAS WITHDRAWN FROM DISPOSITION

- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.+S. - MINING AND SURFACE RIGHTS

Description    Order No.    Date    Disposition    File



## SAND AND GRAVEL

GRAVEL FILE NO 104512

- Aug 26/85
- Aug 30/85
- Sept 3/85
- Oct 1/85
- Oct 17/85
- Oct 27/85
- June 2/87
- July 13/87
- Sept 1/88
- NOV 4/88
- 88/1170
- 89-01-24
- 89/0417

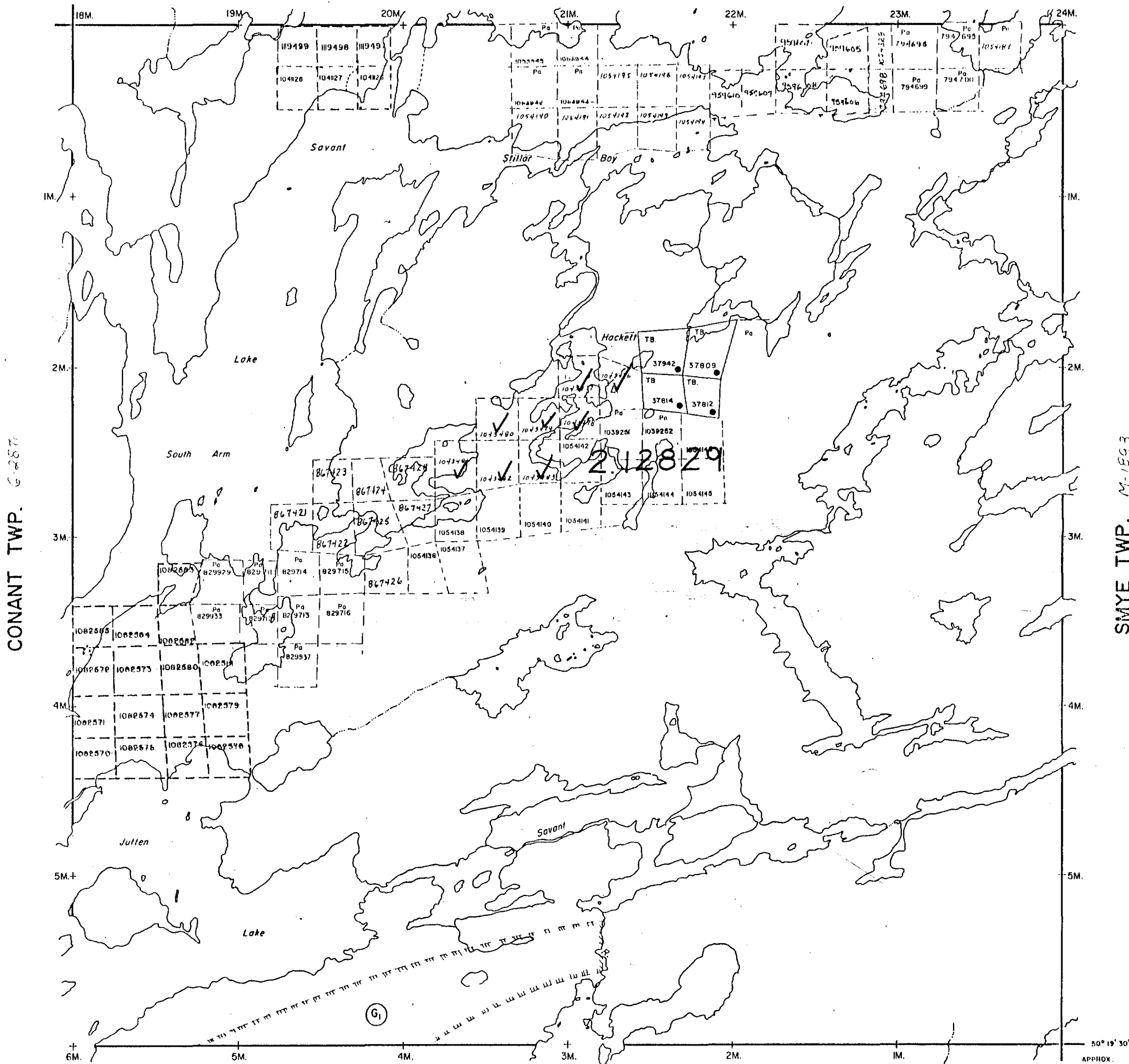
OCT 27/89



52J08N8834 2.12829 JUTTEN

200

# POISSON TWP. G-2883



CONANT TWP. G-2871

SMYE TWP. M-1993

# CHEVRIER TWP. M-1673

# LEGEND

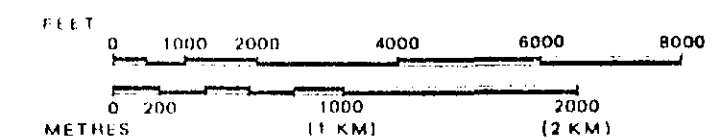
- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

## DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER-IN-COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE, BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 280, SEC. 63, SUBSEC. 1.

SCALE: 1 INCH = 40 CHAINS



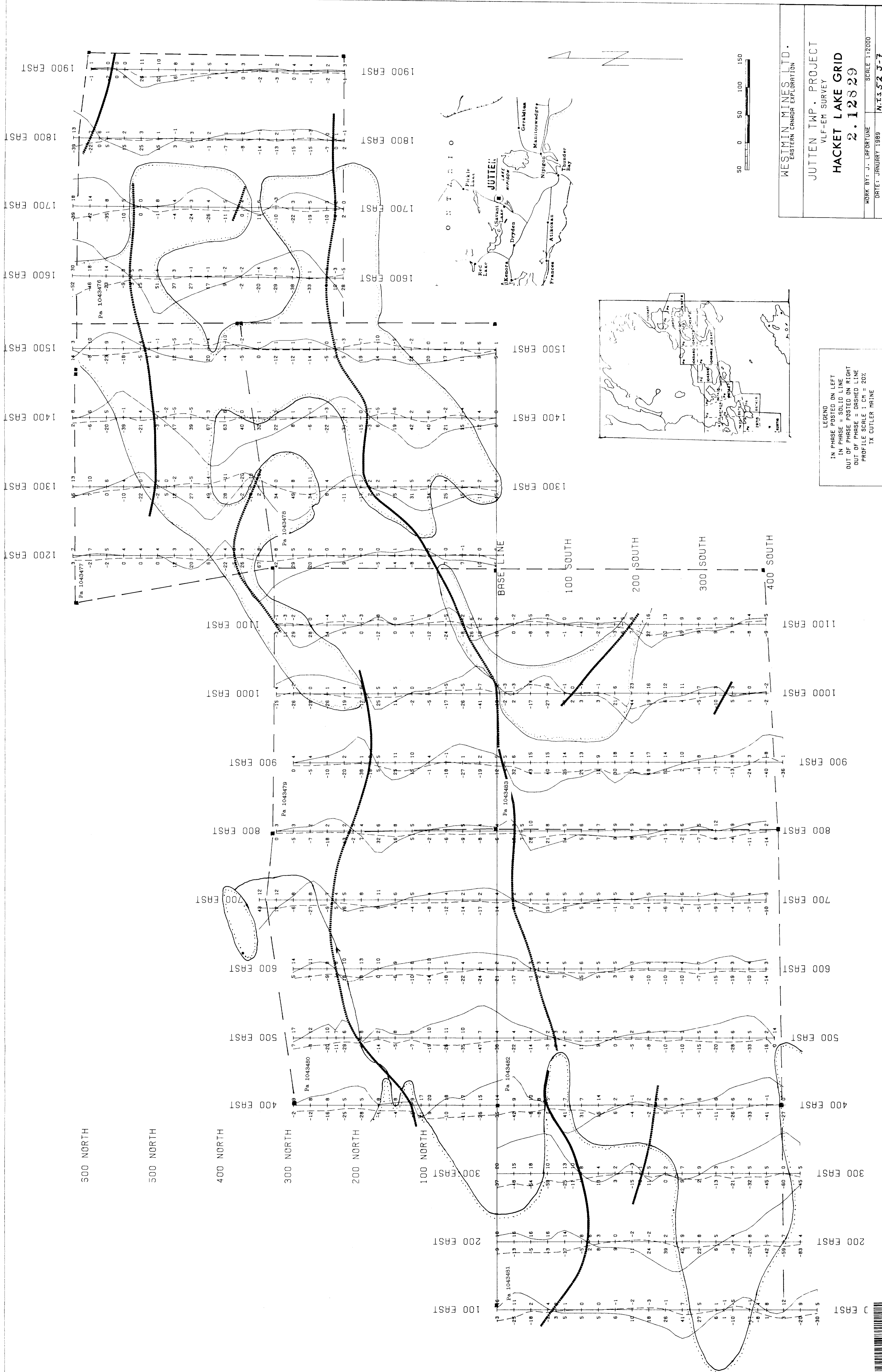
TOWNSHIP  
**JUTTEN**  
 M.N.R. ADMINISTRATIVE DISTRICT  
 SIOUX LOOKOUT  
 MINING DIVISION  
 PATRICIA  
 LAND TITLES / REGISTRY DIVISION  
 THUNDER BAY



Date MAY 1985

Number  
**G-2874**

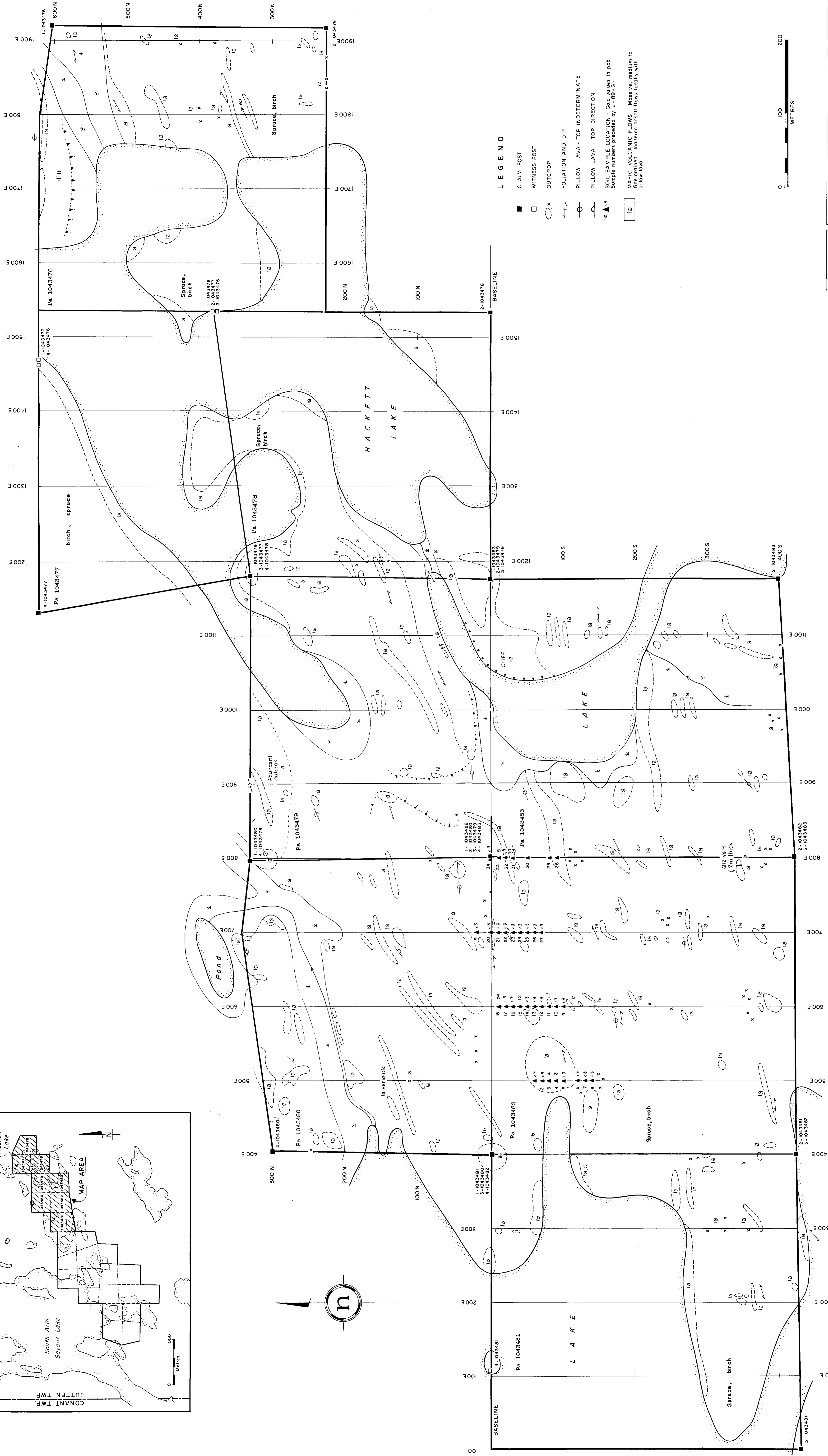
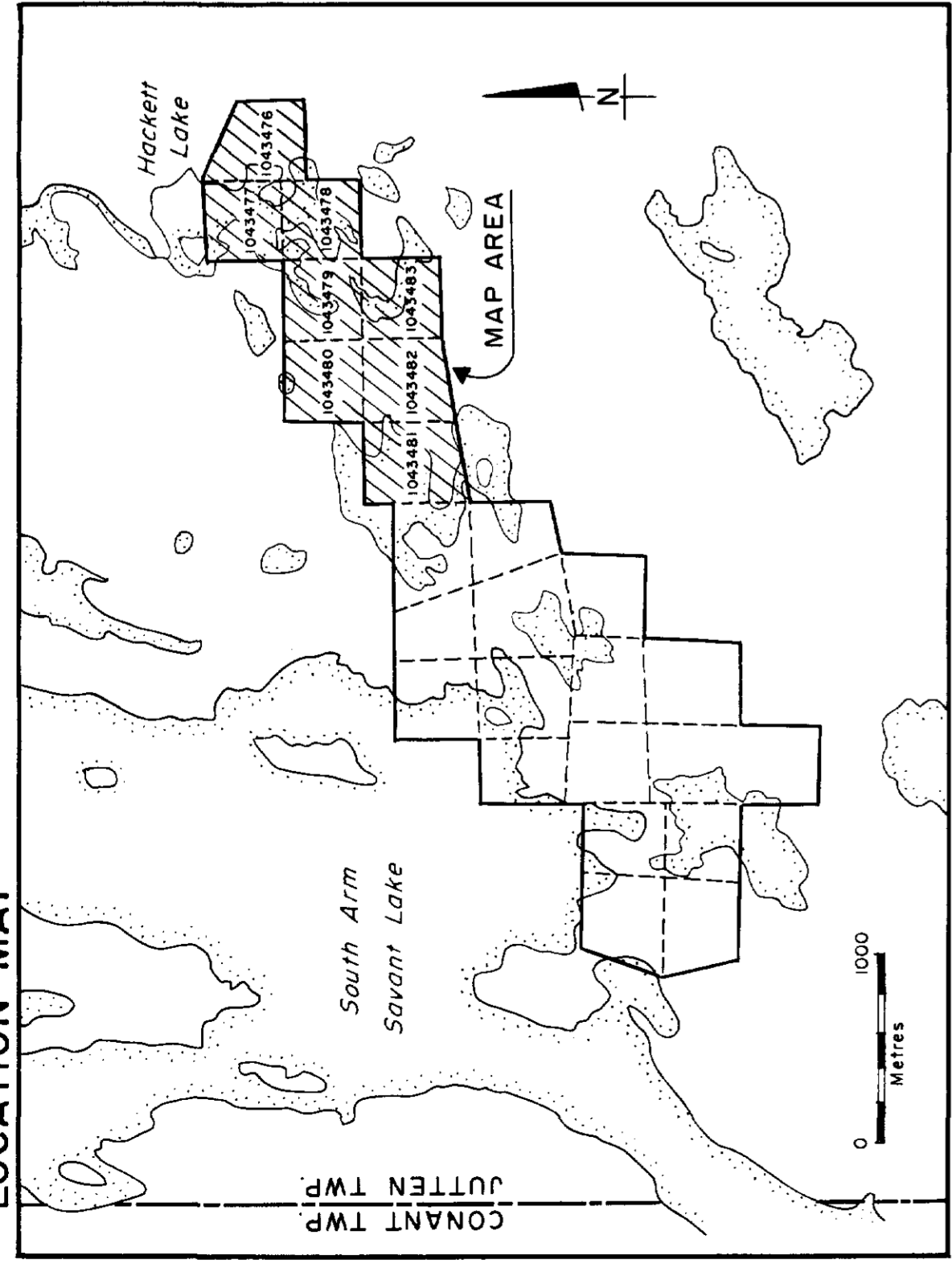




LEGEND  
 IN PHASE POSTED ON LEFT  
 OUT OF PHASE POSTED ON RIGHT  
 DOTTED LINE PROFILE SCALE 1 CM = 20%  
 TX CUTLER MAINE

WESTMIN MINES LTD.  
 EASTERN CANADA EXPLORATION  
 JUTTEN TWP. PROJECT  
 VLF-EM SURVEY  
 HACKET LAKE GRID  
 2.12829  
 WORK BY: J. LAFORTUNE  
 DATE: JANUARY 1989  
 SCALE: N.T.S. 52 J-7

LOCATION MAP



LEGEND

- CLAIM POST
- WITNESS POST
- OUTCROP
- FOLIATION AND DIP
- PILLOW LAVA - TOP INDETERMINATE
- - - PILLOW LAVA - TOP DIRECTION
- ▲ SOIL SAMPLE LOCATION - Gold values in ppb  
Sample numbers preceded by J-89-G-
- la MAFIC VOLCANIC FLOWS - Massive, medium to fine grained; shielded basalt flows, locally with pillow lava



REVISIONS	BY	DATE

Westmin Resources Limited  
EASTERN MINING EXPLORATION

JUTTEN TWP. PROJECT  
HACKETT LAKE GRID  
**GEOLOGY MAP**  
**2.128.29**

Work by C.R. Scale 1:2000  
Date JULY 1989 NTS 52-J-7

