



2.4226



52F05SE0113 2.4226 ROWAN LAKE

010

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OCT 26 1981

MINING LANDS SECTION

REPORT ON THE WAMPUM PROPERTY

Project Code # 1301

N.T.S. 52F-5-SE

M-2580

Claims: 386819; 386820; 386821; 386822

Date: October 21, 1981

Author: D. Clement



REPORT ON THE WAMPUM PROPERTY

Project Code 1301

N.T.S. 52F-5-SE m-2580

Claims: 386819; 386820; 386821; 386822.

INTRODUCTION

The property consists of 4 contiguous claims near the south-eastern end of Rowan Lake, 57 air miles east of the town of Kenora. During the period of June 1981 a grid was completed on the property, and a horizontal electromagnetic and verticle magnetometer survey completed during August 1981.

LOCATION AND ACCESS

The Wampum Gold Property is approximately 57 air miles south-east of Kenora on Rowan Lake. Access can also be made from the Kenora-Fort Frances Highway, southeast of Sioux Narrows. Eighty miles distance from Kenora.

OWNER

The property is held by Dave Petrunka
208 Huron Crescent
Thunder Bay, Ontario
P7A 3K4

GENERAL GEOLOGY

(N.T.S. 52F-5-SE) (M-2508)

(G. F. Ennis - Mining Engineer) (Vincent Scime - Sherritt
Gordon Mines Limited) (MRC #13 ODM, 1971)

The general geology of the area is predominantly Keewatin schistose mafic meta volcanics rocks consisting of dark green basaltic lavas and a medium to fine-grained diorite.

The intrusive rocks are mostly Algonon porphyries both quartz and quartz-feldspar types. These rocks are light gray to white in

colour and contain an excess of quartz as veins and stringers. The rocks exposed on the Wampum Gold Property are intensely sheared dark green basalts interjected by quartz veins, stringers, and siliceous iron carbonate lenses up to one half inch in width. Generally, the mineralization in both the carbonate and quartz zones consists of pyrite, andersite and arsenopyrite.

PRESENT WORK

- (a) Linecutting: the linecutting was completed by: Alex Kozy Ignace, Ontario. The grid consists of .5 miles of NS baseline @ 7 ° True, and 3 miles of picket lines.

Total baseline	3.0 miles
Total Picketline	<u>0.5 miles</u>
Total	3.0 miles

- (b) Geophysical Surveys: the magnetometer survey was completed with a Scintrex Verticle Fluxgate Magnetometer MF-2. Readings were taken @ 50' intervals. Base stations were located on the baselines and looped into the cross-section lines. Maps are plotted at Horizontal scale 1"=20%.

Electromagnetic: the electromagnetic survey was completed with an Apex Max-Min II using an in-line horizontal mode configuration. Two frequencies were employed during the survey: 888 and 3555 Hz. Coil separations were 200' and readings taken @ 100' intervals. Maps plotted at horizontal scale of 1"=20%.

PERSONNEL

Linecutting & Chaining: Alex Kozy, Ignace, Ontario

Geophysics: Dave Breeze - Foreman

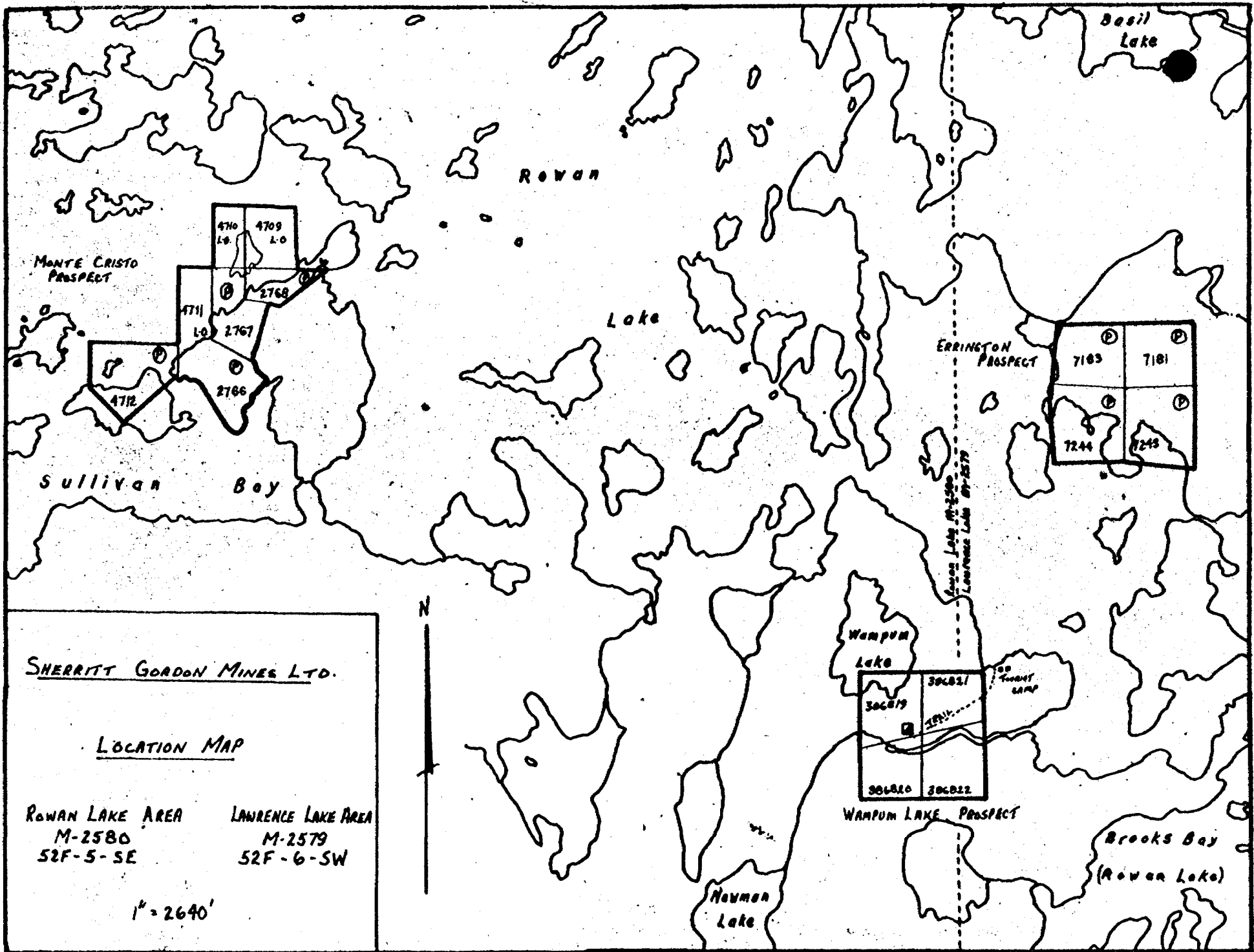
Assistants: Bill Gayner, Kurt Longe, Jeff Church

Report: V. Venn
D. Clement
Drafting: Todd Nickel

D. Clement

Technical Data

- location maps
- Claim # 386819; 386820; 386821; 386822
- description of operation principals of the Max Min II EM System and the Scintrex Proten Magnetometer.



assays: Au Ag (oz/ton)

trenches

grab samples

Q-3653, 54

0.06

Tr

Tr

Nil

SHERRITT GORDON MINES LTD

PLAN SKETCH

MOREHOUSE-PETRUNKA
PROPERTY

WAMPUM LAKE PROSPECT

ROWAN LAKE AREA

M-2580

52F.5. SE

N (approx)



approx. limit of belt out exposure

trenches

trenches & pits

shaft
dump

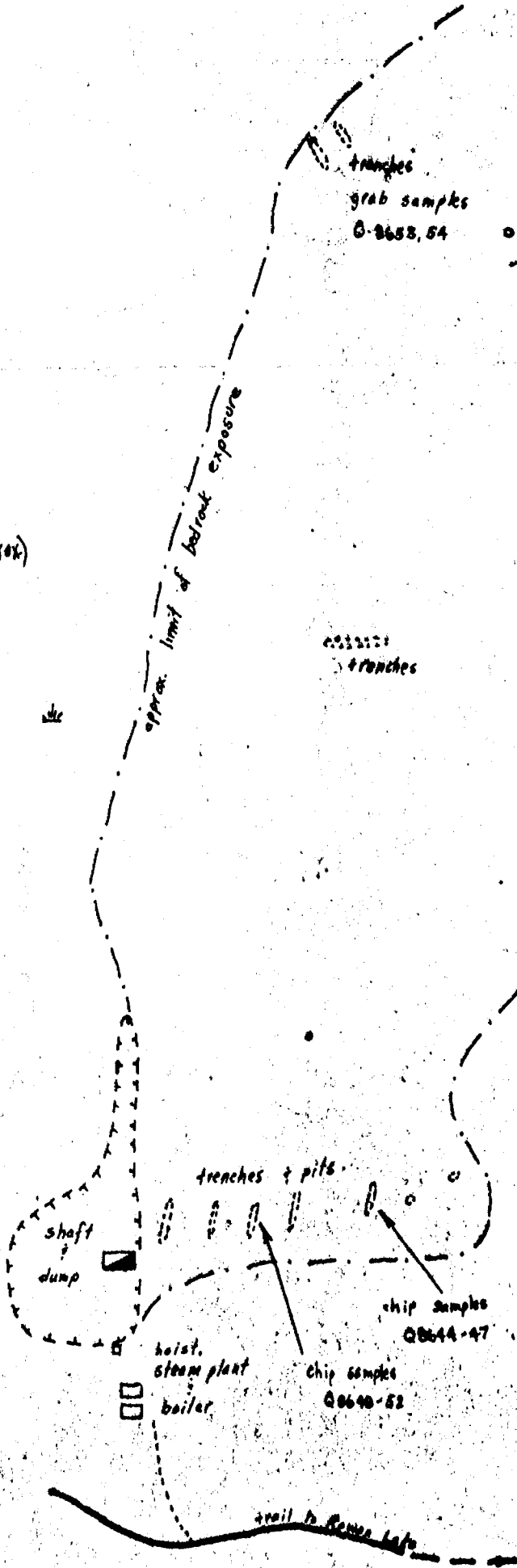
hoist,
steam plant
boiler

chip samples
Q8644-47

chip samples
Q8648-52

1" = 100ft.

trail to Rowan Lake





Interpretative Geophysical Notes

Wampun Prospect

Mining Claims: K386819, 386820, 386821, 386822

The vertical magnetometer survey over the area indicates an east-west trend to the volcanics and probably vertical dip. The volcanics appear to be broken into 3 areas by an E W zone of lower magnetics about 500' wide crossing the central area of the claims.

The magnetics on the northern and southern areas of the claims contains lensoid anomalies 400-500 feet long which range to about 500 gammas above background. The disjointed nature of the magnetics, particularly to the north indicates NW - SE faulting.

The horizontal EM survey does not express any anomalous zones of interest that can be related to the magnetometer survey or the known mineralization on the claims.

Mineralization - an old shaft and series of east/west trenches located between C.S. 20W and C.S. 16W; about 100' north of the baseline appear to lie on the contact between the highest magnetic zone in the central claim area, The possibility exists that the mineralization is associated with this structural element, and further prospecting should be directed along this contact.

Submitted October 20, 1981

Verdun R. Venn
Chief Geologist
Sherritt Gordon Mines Limited
Dryden Operation



63-1182

Wing

SHERRITT GORDON MINES LIMITED
MINING DIVISION - LYNN LAKE
MANITOBA

sherry

9021
9042

ASSAY REPORT

DATE Sept 2 19 81

LOT NO.	SAMPLE NO.	% Ni	% Cu	% Zn	% Fe	Pb, Co	Au	Ag
1	D 9021		nil	nil	4.1	nil	Tr	0.05
2	9022				7.0		0.03	0.05
3	9023				8.4		0.01	0.06
4	9024				2.2		0.01	0.02
5	9025				3.5		0.04	0.03
6	9026				5.0		Tr	0.05
7	9027				2.5		0.01	0.01
8	9028				2.2		0.01	0.01
9	9029				2.9		0.01	0.03
10	9030				2.1		0.01	0.02
11	9031				2.8		Tr	0.03
12	9032				2.3		0.01	0.02
13	9033				3.4		0.06	0.04
14	9034				5.1		0.08	0.08
15	9035				1.3		0.01	0.03
16	9036				1.7		0.01	0.02
17	9037				12.3		0.10	0.10
18	9038				7.2		0.01	0.07
19	9039				6.9		0.01	0.07
20	9040				4.3		0.01	0.05
21	9041			0.04	0.8		nil	0.02
22	9042			0.04	1.8		nil	0.02
23	9042 8880			0.06	4.7		nil	0.07
24								
25								

60-100(477)

Chemist

SHERRITT GORDON MINES LIMITED
MINING DIVISION - LYNN LAKE
MANITOBA

31/09/81

ASSAY REPORT

9001 - 9020 DATE

Sept 2

19 81

LOT NO.	SAMPLE NO.	% Co % Ni	% Cu	% Zn	% Fe	Pb	Au	Ag
1	D 9001	nil	nil	nil	0.9	nil	Tr	0.0
2	9002				2.1		Tr	0.0
3	9003				2.2		Tr	0.0
4	9004				7.6		Tr	0.0
5	9005				3.8		0.01	0.0
6	9006				5.2		0.01	0.0
7	9007				2.4		Tr	0.0
8	9008				1.8		0.01	0.0
9	9009				8.1		0.05	0.0
10	9010				2.7		Tr	0.0
11	9011				4.3		0.01	0.0
12	9012				4.2		Tr	0.0
13	9013				2.2		Tr	0.0
14	9014				4.7		Tr	0.0
15	9015				4.0	0.01	Tr	0.0
16	9016				6.0	nil	0.01	0.0
17	9017				4.9		0.02	0.0
18	9018				4.8		Tr	0.0
19	9019				4.4		Tr	0.0
20	9020				4.8		Tr	0.0
21								
22								
23								
24								
25								

60-100 (477)

Chemist



Ministry of Natural Resources

GEOPHYSICAL - GEOLOGICAL TECHNICAL DATA



52F055E0113 2.4226 ROWAN LAKE

900

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(s) Geophysical
Township or Area Rowan Lake Area
Claim Holder(s) Dave Petrunka
Survey Company Sherritt Gordon Mines Limited
Author of Report V. Venn; D. Clement
Address of Author Box 723 Dryden, Ontario P8N 2Z4
Covering Dates of Survey July 1981 August 1981
Total Miles of Line Cut 3.5 miles

MINING CLAIMS TRAVERSED
List numerically

Table with columns for claim number and prefix. Contains entries: K 386819, (prefix) K 386820, K 386821, K 386822. Total claims 4.

If space insufficient, attach list

SPECIAL PROVISIONS CREDITS REQUESTED table with columns for method and days per claim. Includes Geophysical, Electromagnetic (20), Magnetometer (40), Radiometric, Other, Geological, Geochemical.

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

Magnetometer Electromagnetic Radiometric (enter days per claim)

DATE: Oct 20/81 SIGNATURE: [Signature] Author of Report or Agent

Res. Geol. Qualifications G31102 for Venn

Previous Surveys

Table with columns: File No., Type, Date, Claim Holder. Empty table.

TOTAL CLAIMS 4

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations Mag. 746 EM 271 Number of Readings Mag 746 EM 542
Station interval Mag=50' EM=100' Line spacing 200'
Profile scale 1" = 200%
Contour interval 100 X

MAGNETIC

Instrument Scintrex verticle fluxgate magnetometer MF-2
Accuracy - Scale constant 10 gammas in 1000 scale
Diurnal correction method Scintrex MB/2 base station plus looping
Base Station check-in interval (hours) between adjacent base lines
Base Station location and value on base lines.

ELECTROMAGNETIC

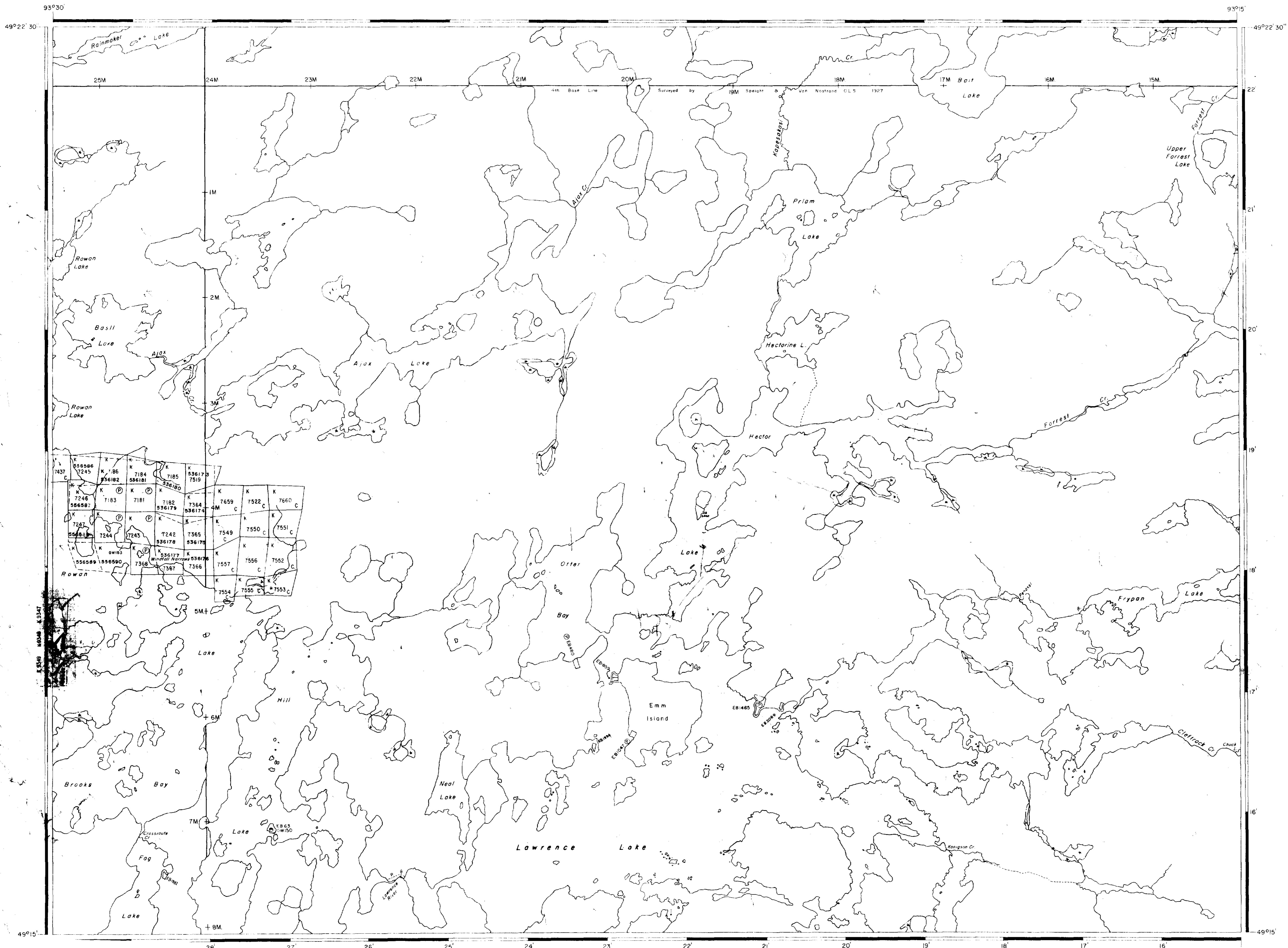
Instrument Max Min 2
Coil configuration Horizontal looping
Coil separation 200'
Accuracy 1%
Method: [] Fixed transmitter [] Shoot back [X] inline [] Parallel line
Frequency 888 and 3555 Hz. (specify V.I. F. station)
Parameters measured

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



AREA OF
LAWRENCE LAKE

DISTRICT OF
KENORA

KENORA
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 —
- PATENTED for S.R.O. —

NOTES

400' Reserve around all lakes & rivers to
Dept. of Lands & Forests.

DATE OF ISSUE
NOV - 2 1981
Ministry of Natural Resources
TORONTO

24226

NATIONAL TOPOGRAPHIC SERIES 52 F6

PLAN NO. **M.2579**

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH



50F858E113 2.4226 ROWAN LAKE

200

493932

ATIKWA LAKE (GRAPNEL BAY) M.2629

AREA OF

ROWAN LAKE

DISTRICT OF KENORA

KENORA MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

PATENTED LAND	● or ⊕
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	⊖
PATENTED S.R.O.	⊙

NOTES

400' Surface Rights Reservation along the shores of all lakes and rivers.

DATE OF ISSUE

NOV - 2 1981

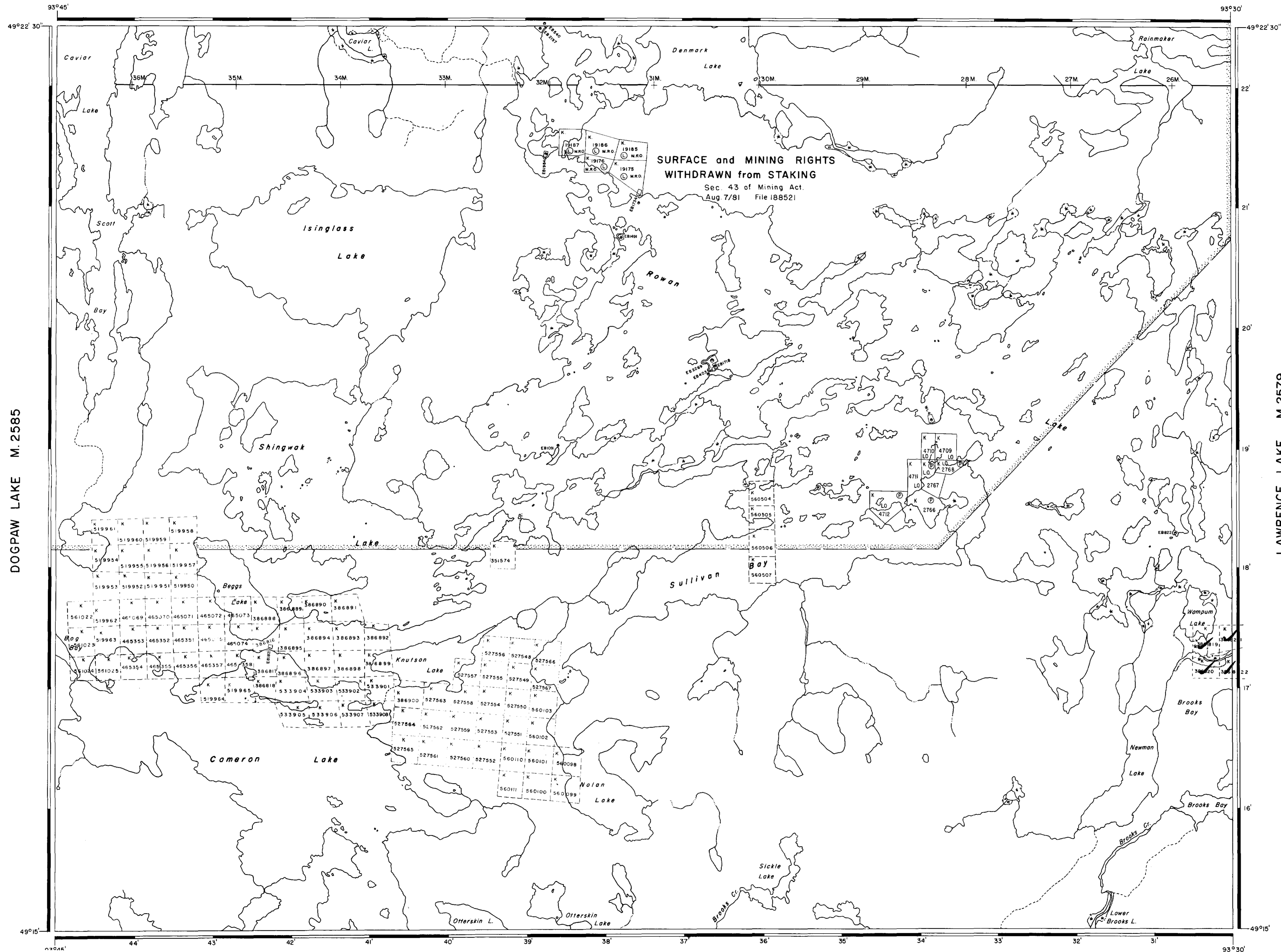
Ministry of Natural Resources
TORONTO

24226

NATIONAL TOPOGRAPHIC SERIES 52F5

PLAN NO. M.2580

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH



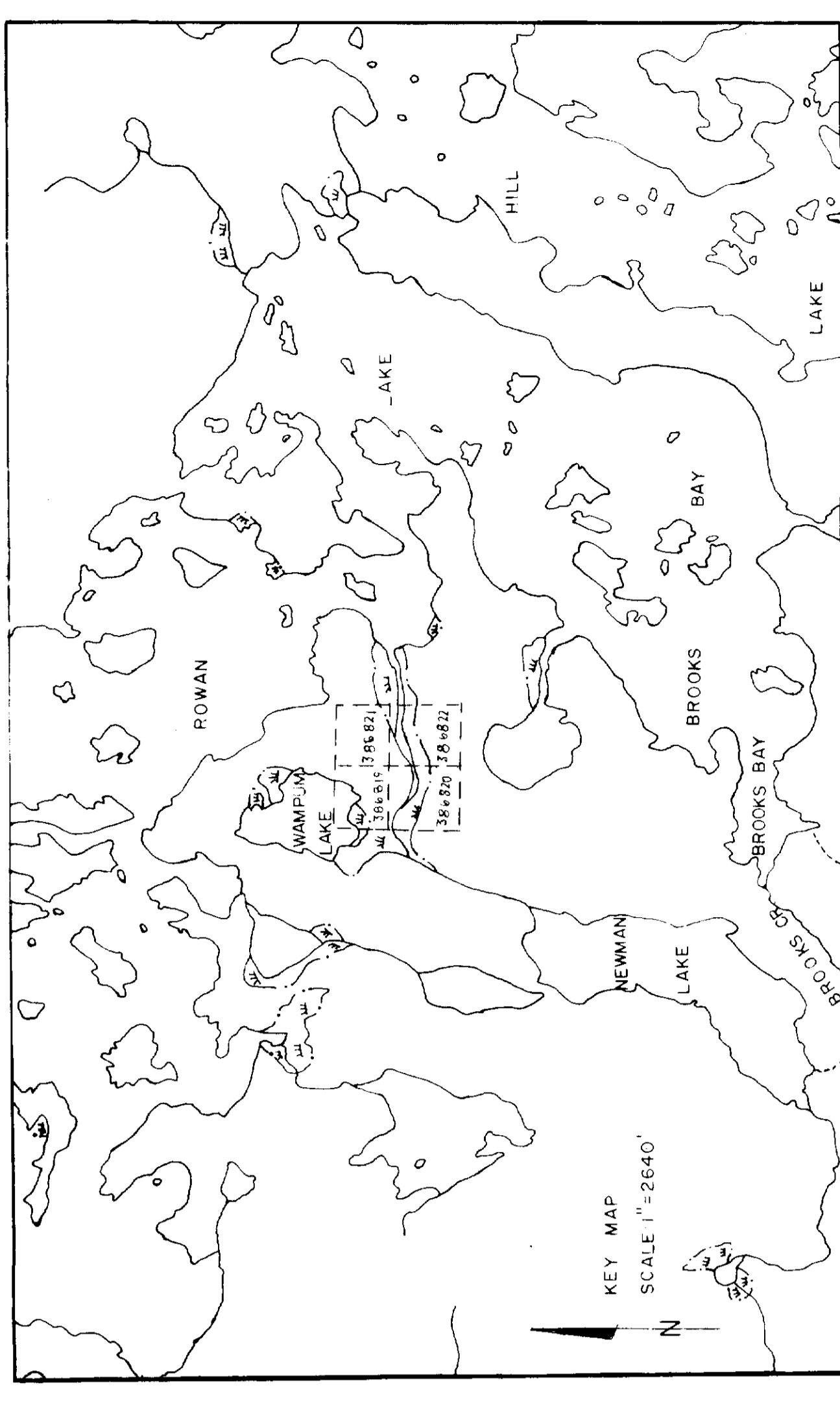
SURFACE and MINING RIGHTS
WITHDRAWN from STAKING
Sec. 43 of Mining Act.
Aug 7/81 File 188521

DOGPAW LAKE M.2585

LAWRENCE LAKE M.2579

BROOKS LAKE M.2473





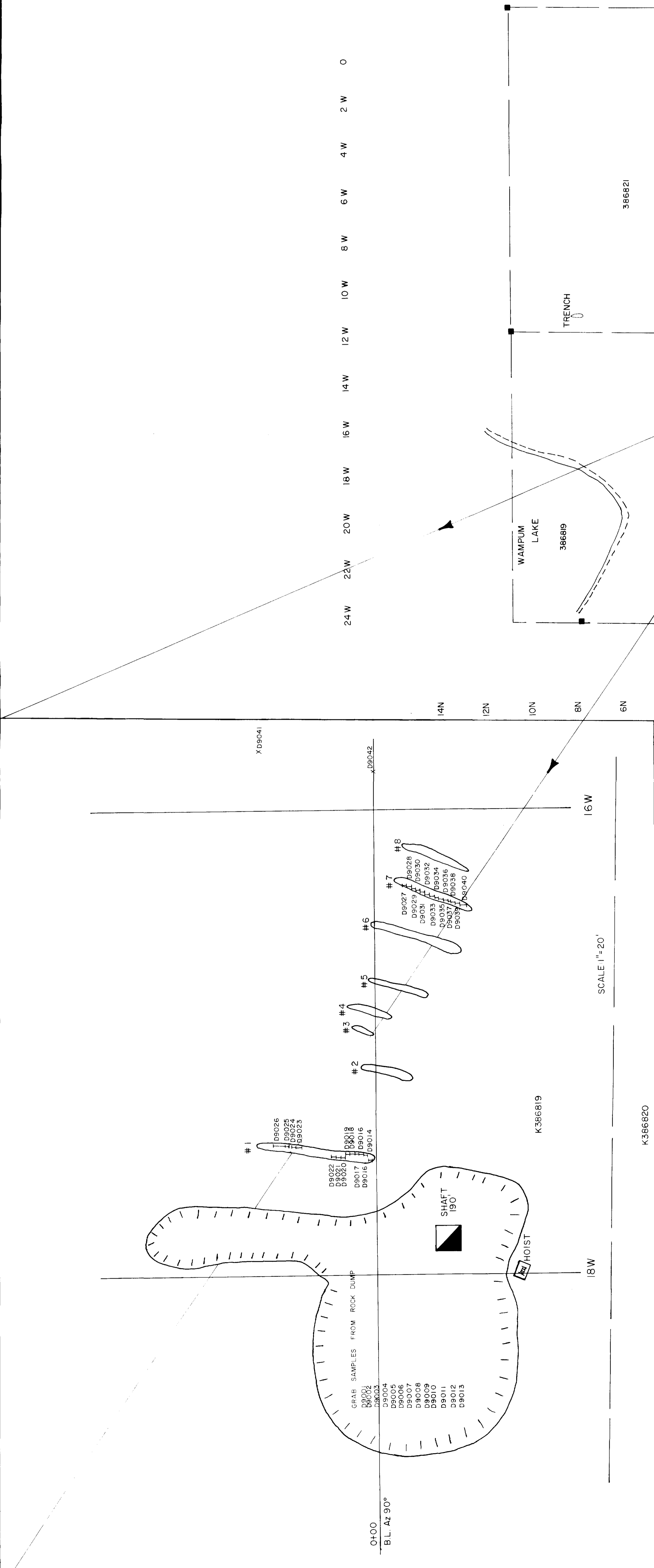
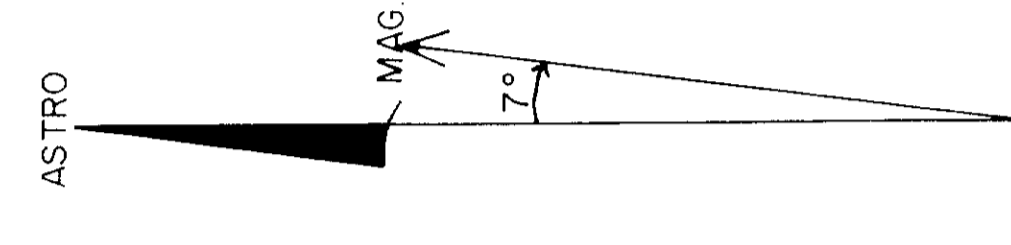
SHERRITT GORDON MINES LIMITED
 OUTSIDE EXPLORATION
WAMPUM LAKE PROSPECT
 PROJECT CODE 1301

SAMPLE PLAN
 SAMPLED BY FMJ/GRS/SHN
 DRAWN BY B. NICKEL
 SEPTEMBER, 1981

24226

Frank M. Longman

LEGEND:
 ○ SAMPLE NUMBER
 × SAMPLE LOCATION
 — TRENCH
 — ROCK DUMP
 — CLAIM LINE
 ■ CLAIM POST

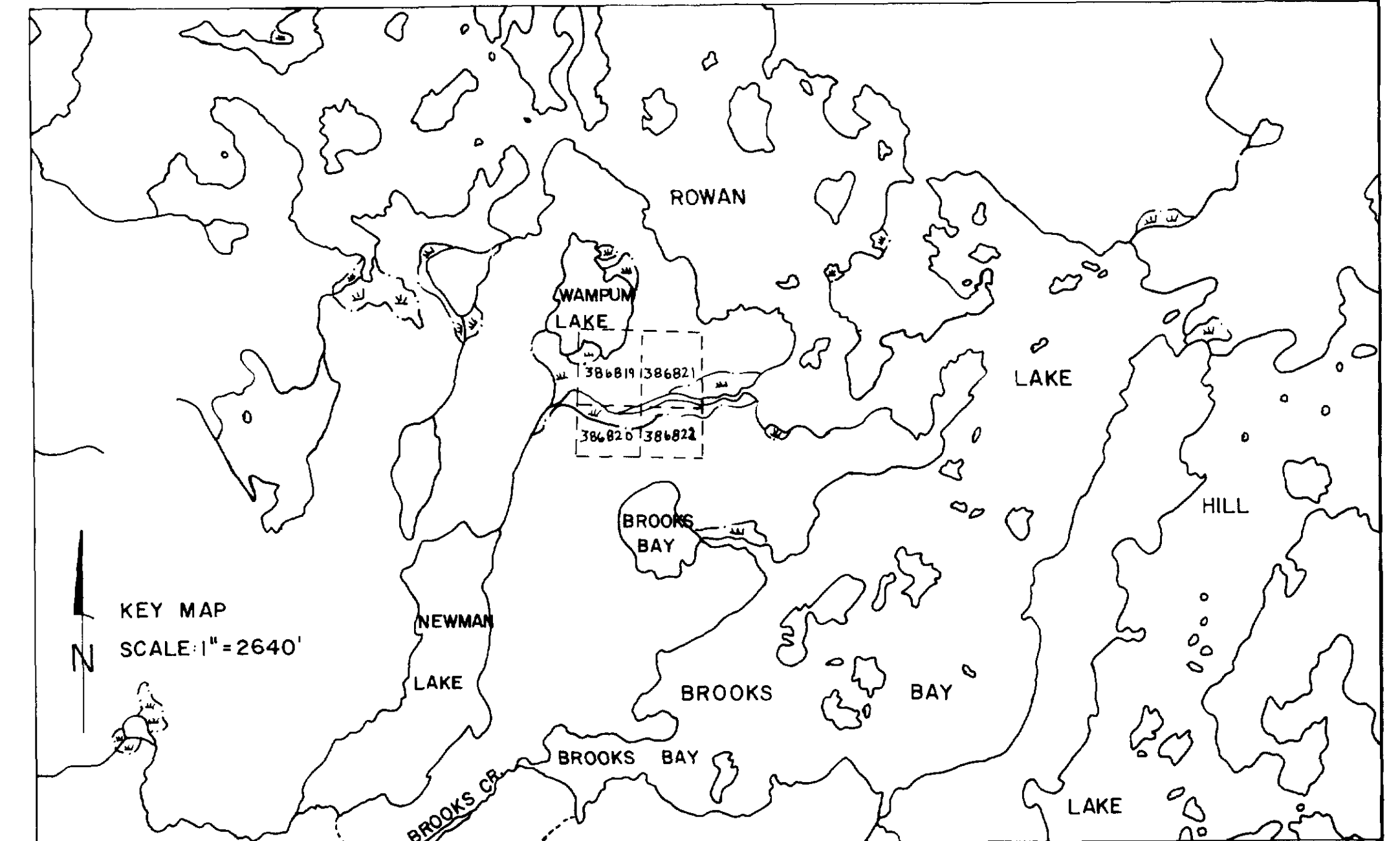
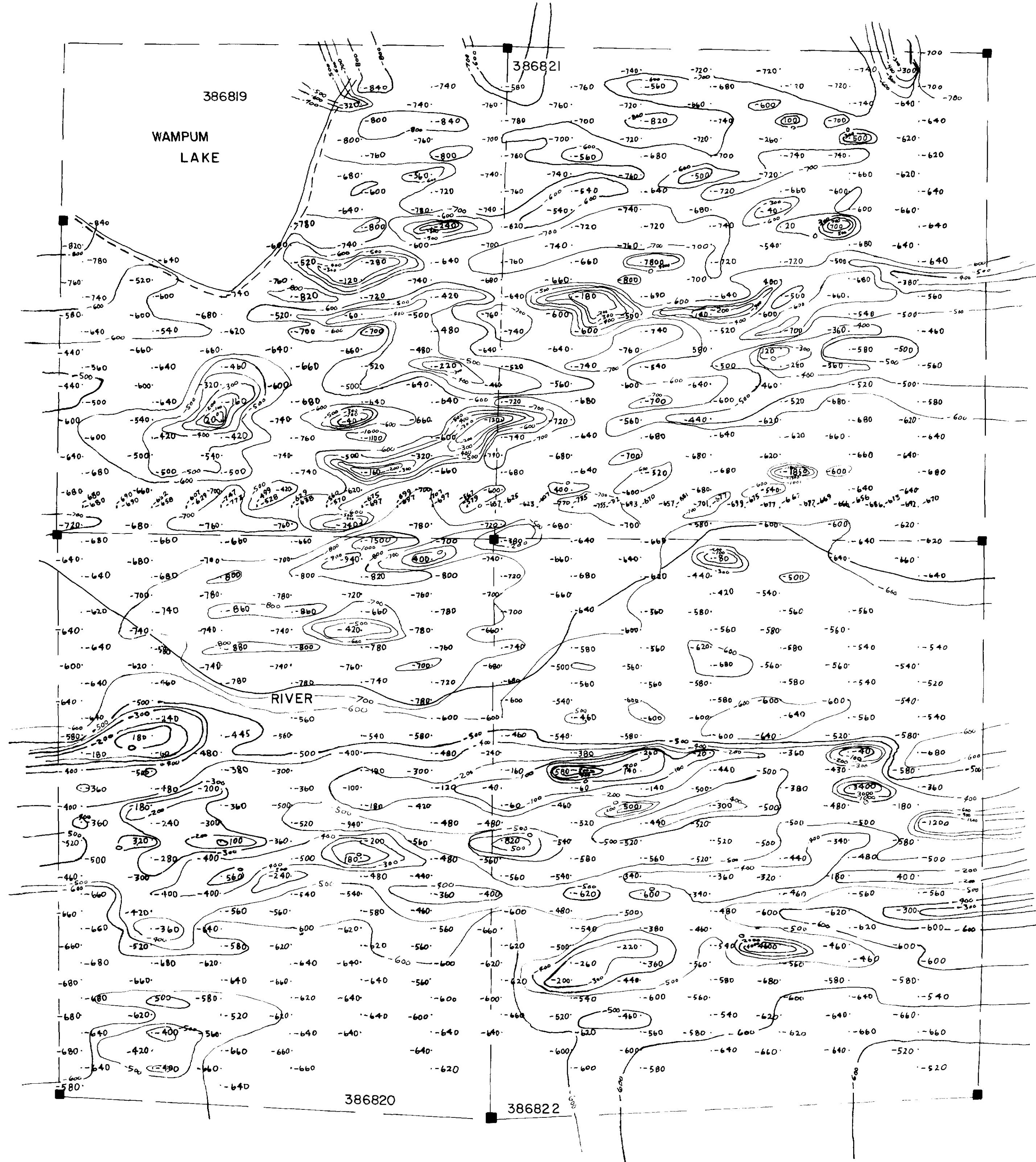


ASSAY RESULTS

SAMPLE No.	%Ni		%Co		%Cu		%Zn		%Fe		%Pb		Au		oz/ton Ag	
	Ni	Ni	Co	Co	Cu	Cu	Zn	Zn	Fe	Fe	Pb	Pb	Au	Au	Ag	Ag
D9001	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.02
D9002	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.02
D9003	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.04
D9004	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.07
D9005	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.05
D9006	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.05
D9007	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.03
D9008	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.05
D9009	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.07
D9010	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.07
D9011	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.07
D9012	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.05
D9013	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.04
D9014	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.06
D9015	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.07
D9016	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.07
D9017	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.05
D9018	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.05
D9019	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.07
D9020	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.05
D9021	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.05
D9022	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.05
D9023	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.06
D9024	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.06
D9025	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.03
D9026	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.05
D9027	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.01
D9028	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.01
D9029	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.03
D9030	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.01
D9031	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.02
D9032	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.03
D9033	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.04
D9034	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.08
D9035	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.05
D9036	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.02
D9037	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.07
D9038	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.07
D9039	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.07
D9040	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.05
D9041	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.02
D9042	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Ni	Tr	0.02

24W 22W 20W 18W 16W 14W 12W 10W 8W 6W 4W 2W 0

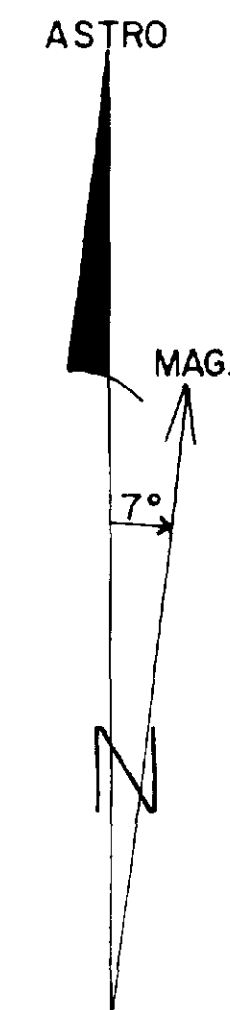
14N
12N
10N
8N
6N
4N
2N
BASELINE 0100
2S
4S
6S
8S
10S
12S
14S
16S
18S



SHERRITT GORDON MINES LIMITED
 AREA - ROWAN LAKE
 GROUP - WAMPUM
 MAGNETOMETER SURVEY
 N.T.S. 52-F-6
 PLAN SCALE 1" = 200'
 CONTOUR INTERVAL 100'
 OPERATORS: T. TRIST, J. CHURCH, B. GAYNER, D. BREEZE
 JULY 1981
 DRAWN BY: T. NICKEL

LEGEND:

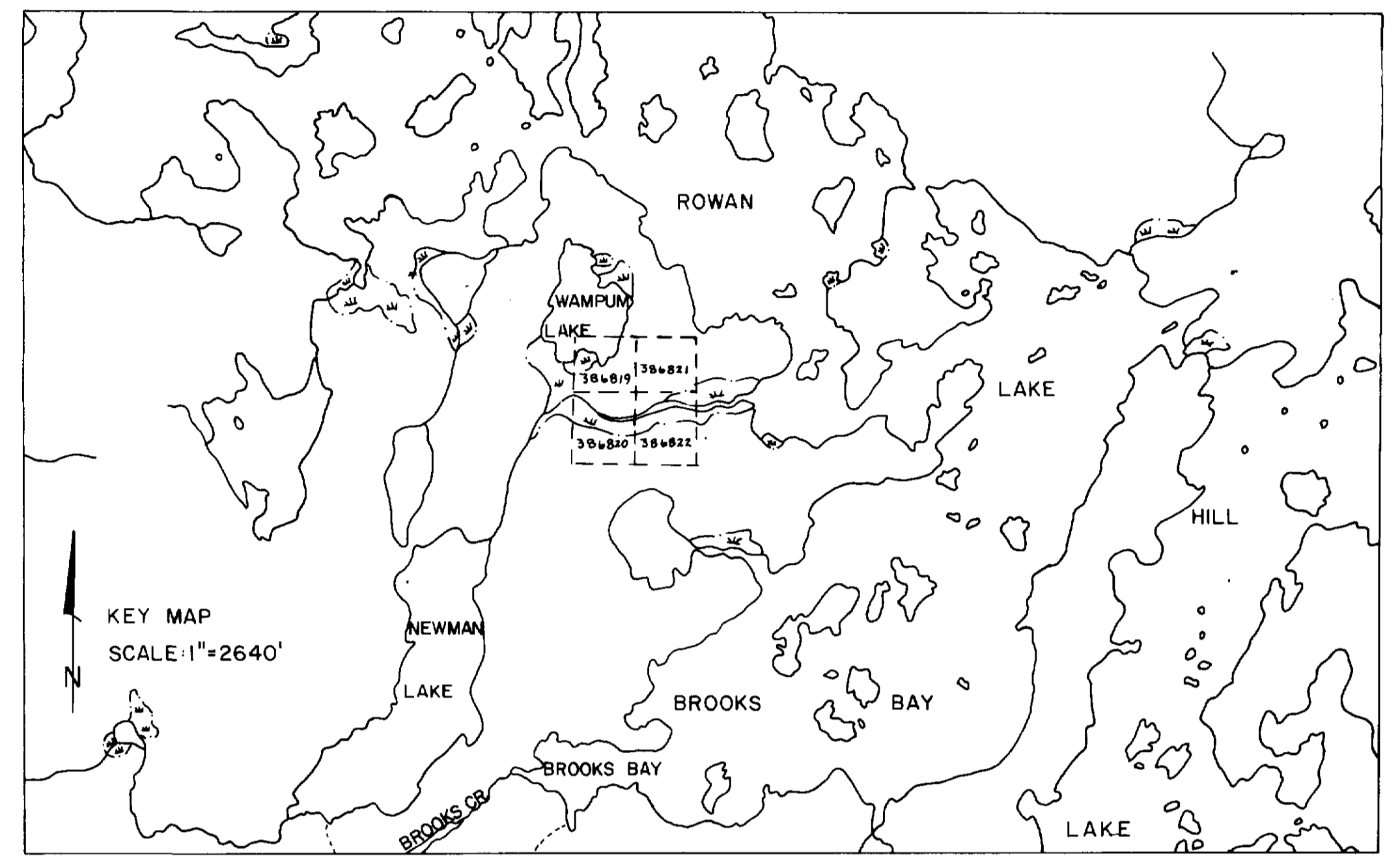
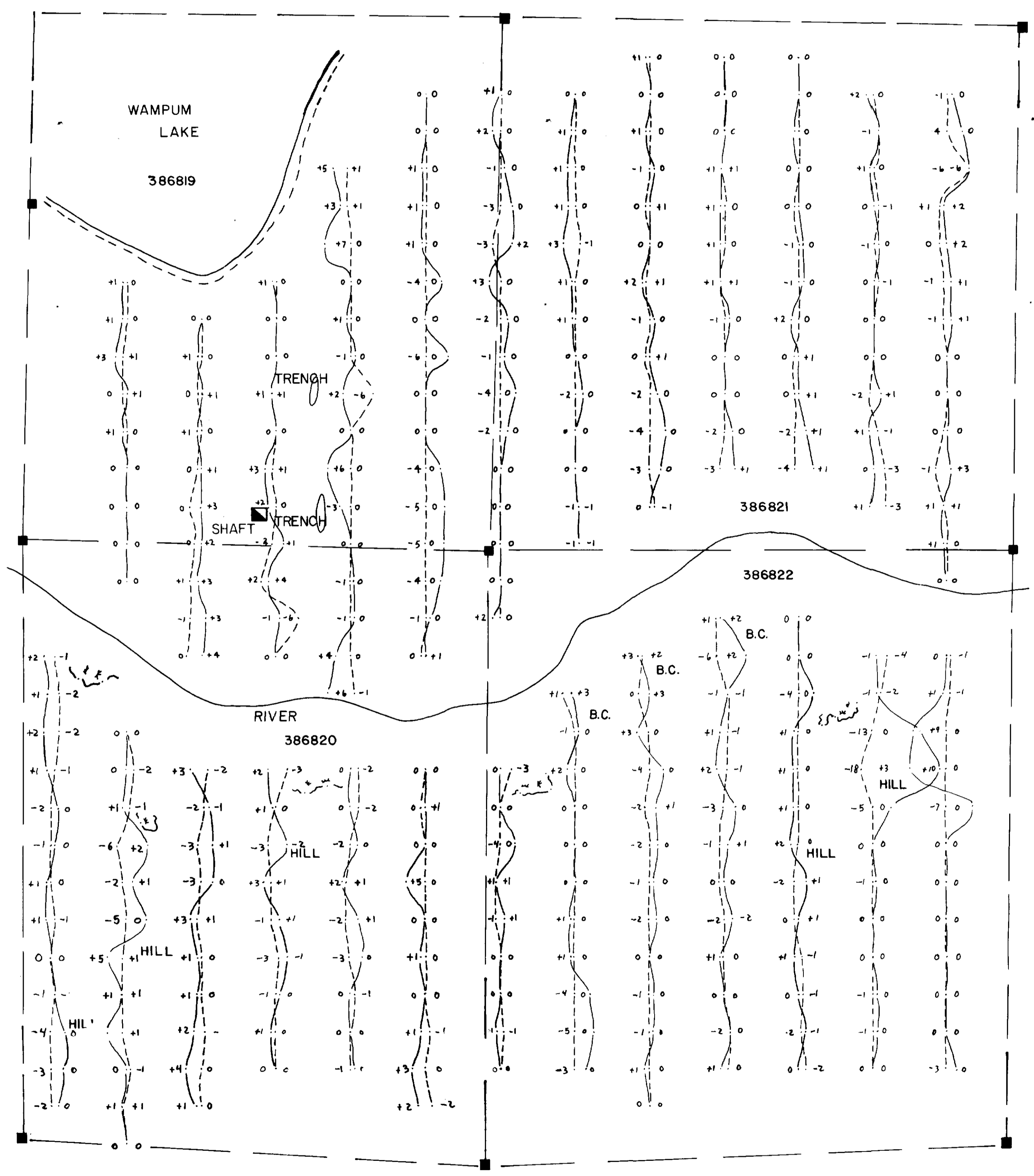
- CLAIM LINE
- CLAIM POST



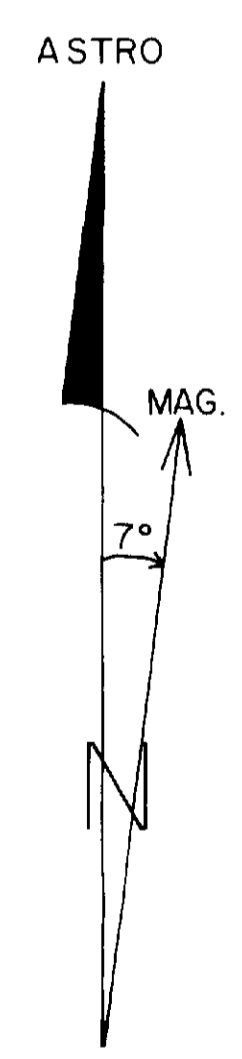
*24000
August 81*

24 W 22 W 20 W 18 W 16 W 14 W 12 W 10 W 8 W 6 W 4 W 2 W 0

14N
12N
10N
8N
6N
4N
2N
BASELINE 0+00
2S
4S
6S
8S
10S
12S
14S
16S
18S



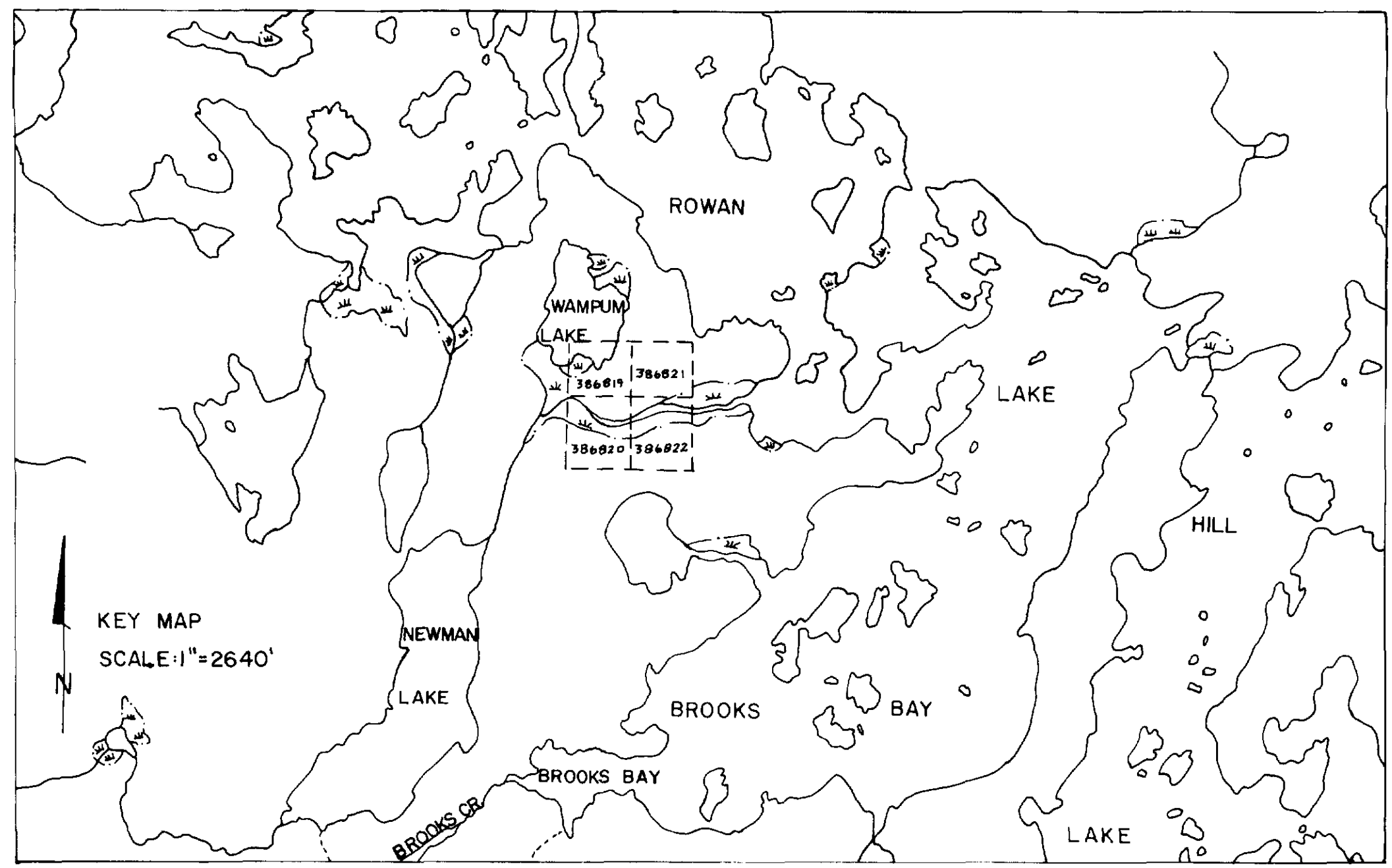
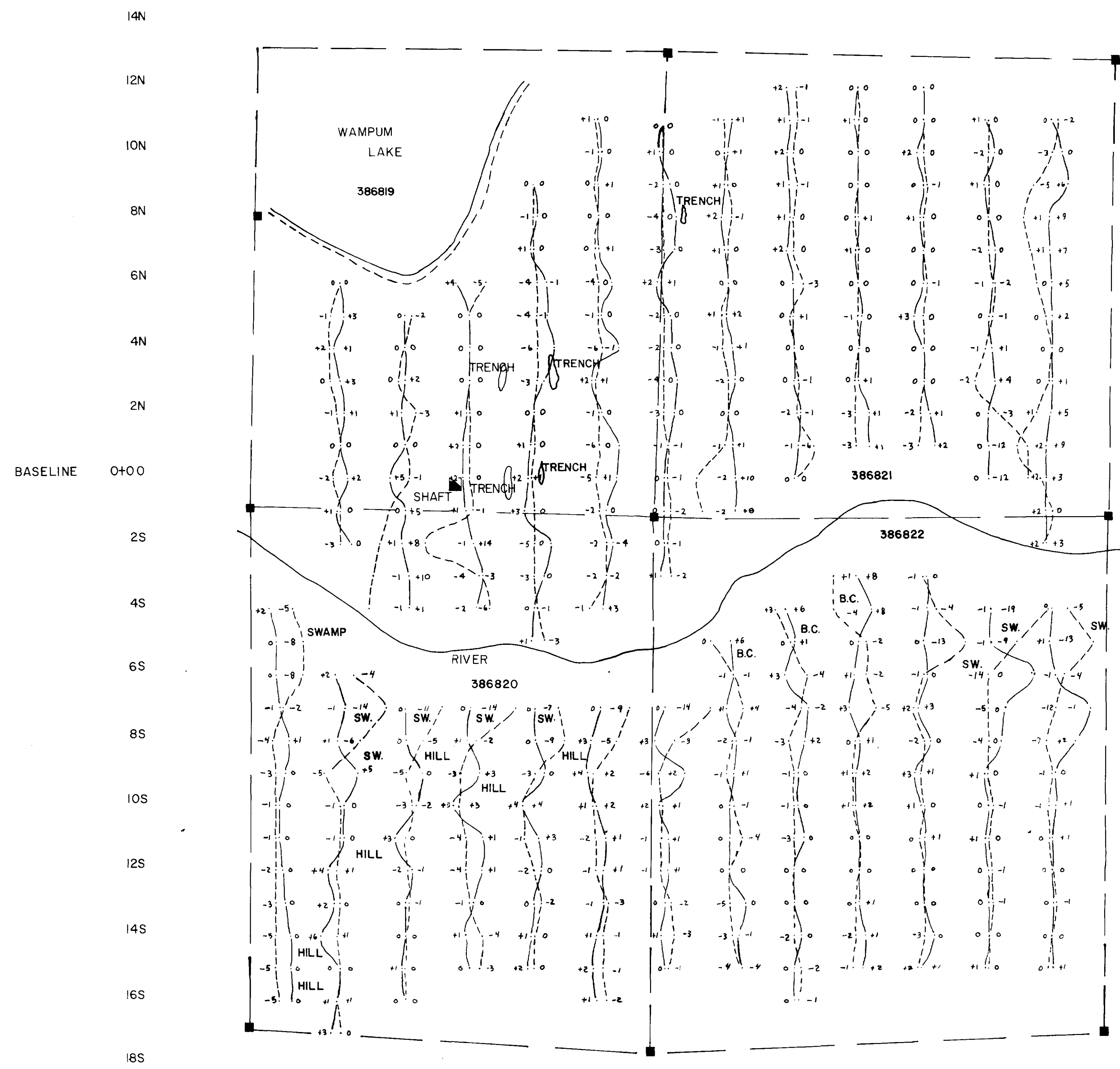
SHERRITT GORDON MINES LIMITED
 AREA—ROWAN LAKE
 GROUP—WAMPUM
 ELECTROMAGNETIC SURVEY
 MAX-MIN 2
 N.T.S:52-F-6
 FREQUENCY: 888
 OPERATOR: D.BREEZE
 PLAN SCALE 1"=200' VERTICAL SCALE 1"=20%
 COIL SEPARATION: 200'
 DRAWN BY: T.B.NICKEL
 JULY 1981



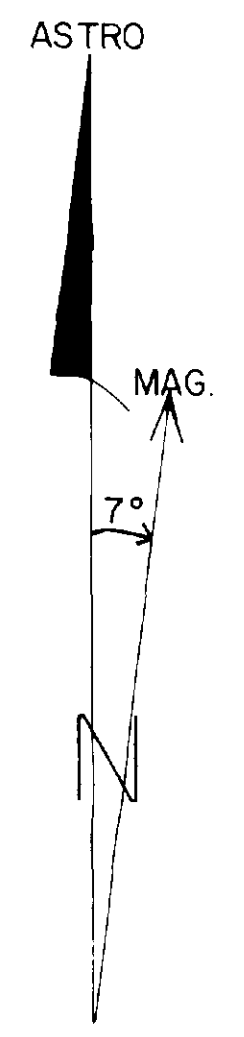
- LEGEND:
- IN PHASE
 - - - OUT OF PHASE
 - - - CLAIM LINE
 - CLAIM POST
 - SHORE LINE
 - B.C. BENT CABLE
 - ~ SWAMP



24 W 22 W 20 W 18 W 16 W 14 W 12 W 10 W 8 W 6 W 4 W 2 W 0



SHERRITT GORDON MINES LIMITED
 AREA—ROWAN LAKE
 GROUP—WAMPUM
 ELECTROMAGNETIC SURVEY
 MAX-MIN 2
 N.T.S:52-F-6
 FREQUENCY:3555
 OPERATOR:D.BREEZE
 PLAN SCALE:1"=200' VERTICAL SCALE:1"=20%
 COIL SEPARATION:200'
 DRAWN BY:T.B.NICKEL
 JULY 1981



- LEGEND:
- IN PHASE
 - - - OUT OF PHASE
 - - - CLAIM LINE
 - CLAIM POST
 - SHORE LINE
 - SW. SWAMP
 - BC. BENT CABLE

