WADE GROUP

Introduction

During the first week of June 1971, a geological survey was completed on the Wade Group of Amax Exploration Inc. Control was established by north-south picket lines 400' apart.

Property, Location and Access

The Wade claims, numbered 254171-254174 inclusive, are predominantly located on water along the southeast shore of Kakagi (Crow) Lake in Western Ontario.

The property is accessible by boat from Hwy. 71, 10 miles to the west and by float or ski equipped aircraft from Nestor Falls, 10 miles to the southwest.

Previous Work

The Kakagi Lake greenstone belt was covered by AEM during the winter of 1970. Ground EM and magnetic surveys followed reconnaissance mapping by J. Kerwin. At the time of writing, a field party for the ODM is mapping 10 miles to the north.

GEOLOGY

General

Kakagi Lake is underlain by the southern half of a felsic pile cut by gabbroic and minor granitic intrusions. Basic volcanic and metavolcanic rocks surround the felsic rocks. ODM Map 2115 postulates a synclinal axis several thousand feet north of the Wade Property.

Property

Steeply dipping waterlain, interbedded, felsic to intermediate tuffs and cherts strike east-west across the property. Flames and small squeeze-up structures in the cherts and tuffs indicate tops toward the north. Pyrrhotite and pyrite are present in minor quantities in most of the rocks.

Lithology

Rhyolite (1) is a fine grained light grey rock, possibly of tuffaceous origin.

Rhyolite-Rhyodacite lithic tuff-fragmental and lapilli tuff (2)

At the western edge of the property, this unit contains 1-"3" white weathering rhyolite fragments, porphyritic rhyodacite fragments, scattered cherty fragments and 1/8" feldspar grains in a fine grained grey matrix. Pyrrhotite is present as 1/2-"3/4" oval blebs containing specks of

chalcopyrite. Along strike to the east the rhyolite fragments disappear and the rock becomes slightly darker in colour.

Interbedded black cherts, rhyodacite and dacite tuffs (3)

Individual beds of tuff and chert vary from 1/2" to several feet in thickness. Contacts are sharp and even except where a tuff bed overlies chert; here small flame and squeeze-up structures are sometimes present. The black cherts often have poor internal banding and light dustings of pyrite.

Dacite Tuff (4). This unit is a fine grained medium grey rock outcropping in the centre of the property.

Interbedded green cherts and lithic rhyodacite-dacite tuffs (5)

These well-bedded lithic tuffs contain scattered 1/2" felsic fragments.

Intermediate Crystal Tuff (6) outcrops along the south shore of the property. This unit is a massive, medium grained, grey rock with scattered 1/8" chloritic specks. At present, a tuffaceous origin is preferred over flow origin because of lack of intergrowth between crystals and the presence of rounded feldspar grains. However, the massive character and homogeneity of the rock are points in favour of a flow origin.

Andesite Crystal Tuff (7). A narrow band of dark green medium-coarse andesite tuff outcrops across the island in the centre of the property.

Lithic Fragmental (8). Located along the southern boundary, the lithic fragmental consists of pea to cobble sized fragments of light grey chert, black chert and dacite. Dark green chloritic fragments up to walnut size are present. Small concretions and cubes of pyrite appear in the medium grained matrix.

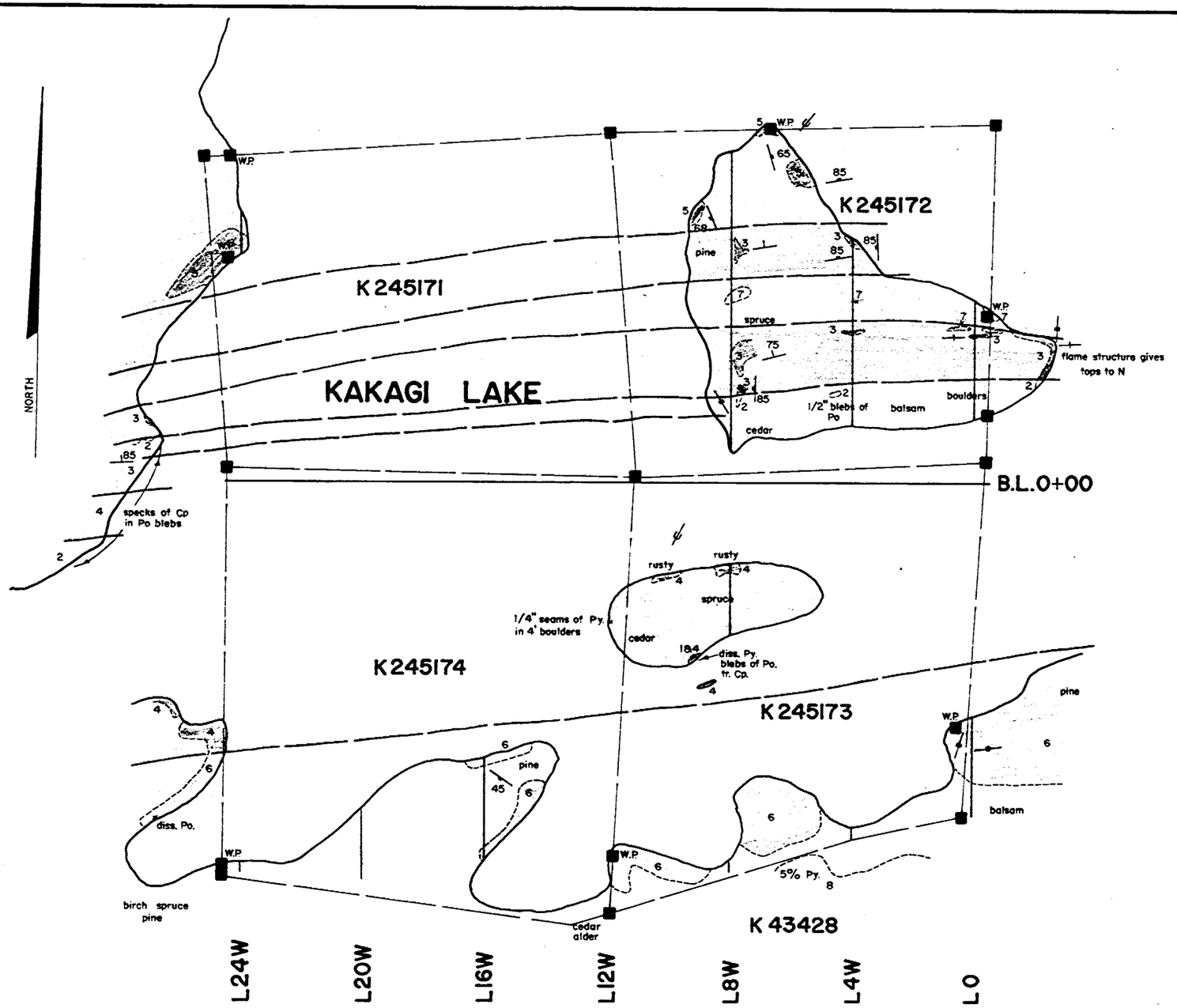
Recommendations

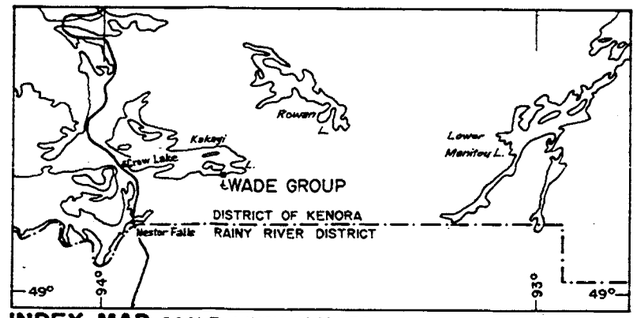
The presence of sulphides in favourable rocks over geophysical anomalies warrants further work. Trenching on the small island is recommended to expose the leached dacitic tuff and to determine if the pyrite-bearing boulders are float or frost heave.

Pyrite and chalcopyrite (.16% Cu) in a small rusty shear zone in dacite may represent leakage from depth. A winter Radem survey south of the baseline would give accurate locations of the conductor axes. At least one drill hole should test the geophysical anomalies on line 8W.

Anthony Hitchins

A.C. Hitchins,
September 8, 1971.





INDEX MAP SCALE: 1 INCH=16 MILES

LEGEND

1. FINE GRAINED RHYOLITE
2. RHYOLITE-RHYODACITE LITHIC TUFF-FRAGMENTAL AND LAPILLI-TUFF
3. INTERBEDDED BLACK CHERTS, RHYODACITE AND DACITE TUFFS
4. DACITE TUFF
5. INTERBEDDED GREEN CHERTS AND LITHIC RHYODACITE-DACITE TUFFS
6. INTERMEDIATE CRYSTAL TUFF
7. ANDESITE CRYSTAL TUFF
8. LITHIC FRAGMENTAL

SYMBOLS

- JOINTING
- BEDDING
- GLACIAL STRIATION
- CLAIM POST AND CLAIM LINE
- OUTCROPS
- Py, Po, Cp : PYRITE, PYRRHOTITE, CHALCOPYRITE
- GEOLOGICAL BOUNDARY, ASSUMED

Anthony Hutchins

AMAX EXPLORATION INCORPORATED	
TYPE OF SURVEY: GEOLOGY	
AREA: WADE GROUP	
LOCATION: KAKAGI LAKE, DISTRICT OF KENORA	
SCALE: 400 300 200 100 0 400 800 — 1 INCH = 400 FEET	
DRAWN BY: A.C.H.	DATE: MARCH 7, 1973
TRACED BY: K.C.G.	REVISED:
MAP No: 73-32	N.T.S. No: 52F4
TO ACCOMPANY:	
BY:	DATE:

53F04NE0045 2.1168 BROOKS LAKE

900

W7301 45171

ONTARIO

required for each type of work to be recorded.

THE MINING ACT REPORT OF WORK

To the Recorder of KENORA Mining Division

I, AMAX EXPLORATION, INC., T-462
name of Recorded Holder Miner's Licence

Suite 1302 - 7 King St. E., TORONTO 1, Ontario
Post Office Address

do hereby report the performance of 80 days of Geological
type of work

not before reported to be applied on the following contiguous claims

Claim No.	Days	Claim No.	Days	Claim No.	Days
K245171	20				
K245172	20				
K245173	20				
K245174	20				

All the work was performed on Mining Claim (s) As above
(In the case of geological and/or geophysical survey (s) where more than 18 claims are involved attach a schedule)

READ CAREFULLY: THE FOLLOWING INFORMATION IS REQUIRED BY THE MINING RECORDER.

For Manual Work, Stripping or Opening up of Mines, Sinking Shafts or Other Actual Mining Operations – Names and addresses of the men who performed the work and the dates and hours of their employment.
For Diamond and other Core Drilling - Footage, No. and angle of holes and diameter of core. Name and address of owner or operator of drill. Dates when drilling was done. Signed core log and sketch in duplicate.
For Compressed Air or Other Power Driven or Mechanical Equipment
Type of drill or equipment. Names and addresses of men engaged in operating equipment and the dates and hours of their employment.
For Power Stripping - Type of equipment. Name and address of owner or operator. Amount expended. Dates on which work was done. Proof of actual cost must be submitted within 30 days of recording.
With each of the above types of work sketches are required to show the location and extent of the work in relation to the nearest claim post. In the case of diamond or other core drilling the sketch must be submitted in duplicate.
For Geological and Geophysical Survey - The names and addresses of men employed as well as dates. Type of instrument used in the case of geophysical survey. Reports and maps in duplicate must be filed with the Minister within 60 days of recording.
For Land Survey - the name and address of Ontario Land surveyor.

The Required Information is as Follows: (Attach a list if this space is insufficient)

Filed under special provision -

GEOLOGICAL SURVEY
June 1-3, 1971
A.C. Mitchins, Geologist, 116 Harding Blvd., RICHMOND HILL, Ontario.

Brian Wilson, Assistant - SIOUX LOOKOUT, Ontario.

Date March 9, 1973

J.E. Steers
Signature of Recorded Holder or Agent
J.E. Steers

The Mining Act
Certificate Verifying Report of Work

I, J.E. Steers

204 - 231 Arthur St., THUNDER BAY (P), Ontario.
(Post Office Address)

hereby certify:

1. 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.

2. That the annexed report is true.

Dated March 9, 19 73

J.E. Steers
Signature
J.E. Steers

THE PENALTY FOR MAKING A FALSE STATEMENT IN THIS REPORT AND/OR CERTIFICATE IS $500. OR SIX MONTHS IMPRISONMENT OR BOTH

File 2.1168

RECEIVED MAR 12 1973 PROJECTS SECTION

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: Geological

Township or Area: Kakagi Lake, Ontario

Claim holder(s): Amax Exploration, Inc., Suite 1302, 7 King St. E., TORONTO 1, Ontario

Author of Report: A.G. Hitchins

Address: 116 Harding Blvd., RICHMOND HILL, Ontario.

Covering Dates of Survey: June 1-3, 1971 (linecutting to office)

Total Miles of Line cut:

MINING CLAIMS TRAVERSED List numerically

(prefix)	(number)
K	245171
K	245172
K	245173
K	245174

If space insufficient, attach list

TOTAL CLAIMS 4

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

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

Magnetometer ______ Electromagnetic ______ Radiometric ______ (enter days per claim)

DATE: March 9, 1973 SIGNATURE: [signature] ~~XXXXXXXXXXXX~~ or Agent J.E. Steers

PROFESSIONAL ENGINEER PROVINCE OF ONTARIO

PROJECTS SECTION

Res. Geol. ______ Qualifications 2.154

Previous Surveys 2.337 (Drag & EM) L.D.

OFFICE USE ONLY

Checked by ______ date ______

GEOLOGICAL BRANCH ______

Approved by ______ date ______

GEOLOGICAL BRANCH ______

Approved by ______ date ______

Show instrument technical data in each space for type of survey submitted or indicate "not applicable"

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS

Number of Stations _____ Number of Readings _____

Station interval _____

Line spacing _____

Profile scale or Contour intervals _____
(specify for each type of survey)

MAGNETIC

Instrument _____

Accuracy - Scale constant _____

Diurnal correction method _____

Base station location _____

_____

ELECTROMAGNETIC

Instrument _____

Coil configuration _____

Coil separation _____

Accuracy _____

Method: ☐ Fixed transmitter ☐ Shoot back ☐ In line ☐ Parallel line

Frequency _____
(specify V.L.F. station)

Parameters measured _____

GRAVITY

Instrument _____

Scale constant _____

Corrections made _____

_____

Base station value and location _____

_____

Elevation accuracy _____

INDUCED POLARIZATION - RESISTIVITY

Instrument _____

Time domain _____ Frequency domain _____

Frequency _____ Range _____

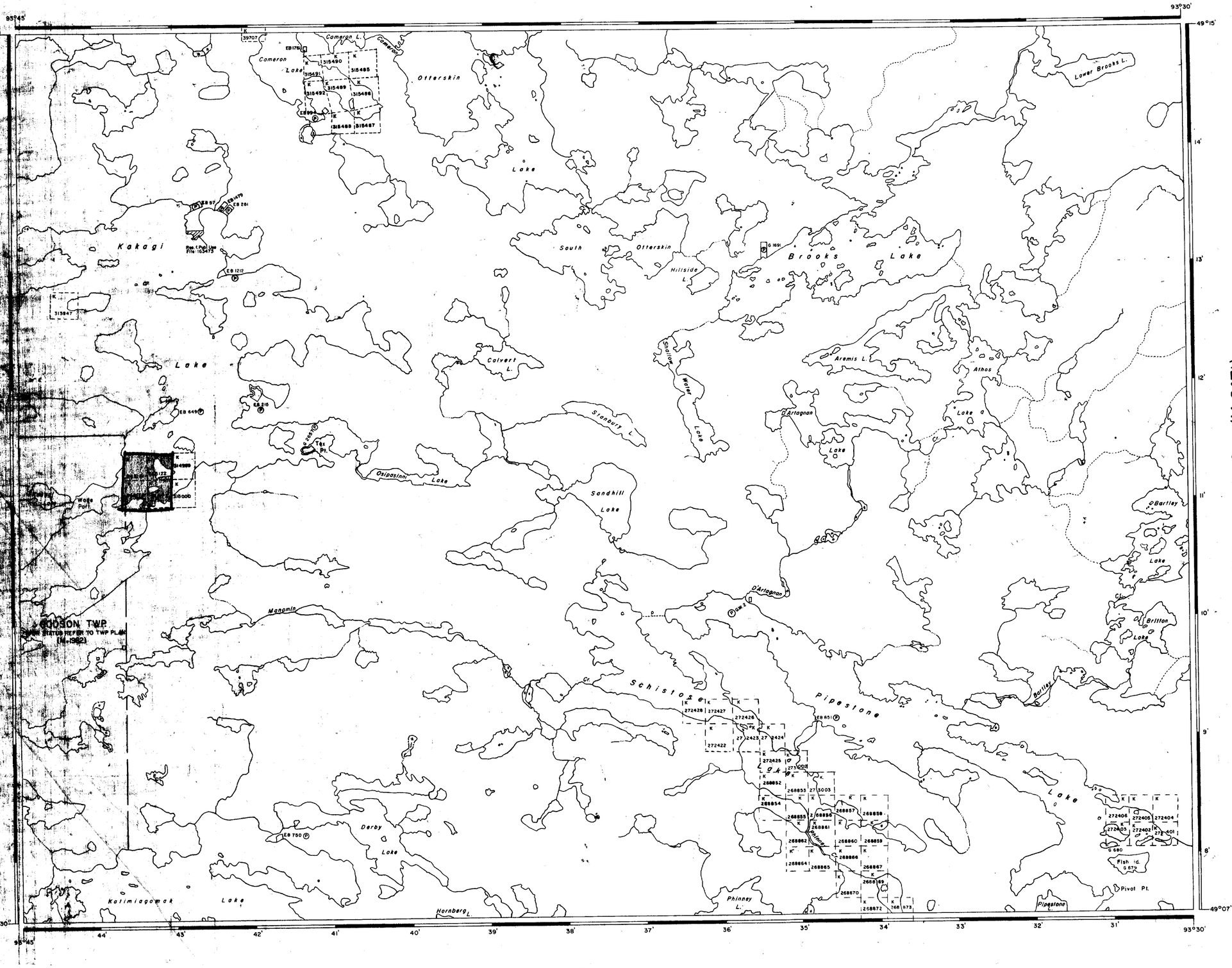
Power _____

Electrode array _____

Electrode spacing _____

Type of electrode _____

Rowan Lake Area (M-2580)



AREA OF

BROOKS LAKE

DISTRICT OF KENORA

KENORA MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

PATENTED LAND
CROWN LAND SALE
LEASES
LOCATED LAND
LICENSE OF OCCUPATION
MINING RIGHTS ONLY
SURFACE RIGHTS ONLY
ROADS
IMPROVED ROADS
KING'S HIGHWAYS
RAILWAYS
POWER LINES
MARSH OR MUSKEG
MINES

Loc. L.O. M.R.O. S.R.O.

NOTES

400' Surface Rights Reservation around all Lakes and Rivers.

MINING LANDS
DATE OF ISSUE
MAR 13 1973
MINISTRY OF NATURAL RESOURCES

2.1168

NATIONAL TOPOGRAPHIC SERIES 52 F 4

PLAN NO. M-2473

ONTARIO
DEPARTMENT OF MINES
AND NORTHERN AFFAIRS

492933