



42110NW0002 83.1-46 YESTERDAY RIVER

050

ARGOR EXPLORATIONS LTD.

PROJECT TERRANE

KESAGAMI LAKE AREA

Report On

MAGNETIC AND ELECTROMAGNETIC SURVEYS

of

ANOMALIES I, K & L

A. JAMES WALKER, P.Eng.

January 1971

INTRODUCTION

At the request of Mr. J. McCombe of Argor Explorations Ltd., the writer contracted to carry out a programme of linecutting, magnetic and electromagnetic surveys over three anomalous areas indicated in airborne surveys in the Kesagami Lake area. Field work started January 15, 1971, and was completed January 27, 1971. A total of 22.05 miles of lines were required for these surveys.

SUMMARY OF RESULTS

On grid L, north-south structures were indicated by both magnetic and electromagnetic surveys, but conductors were very weak. An east-west conductor located in previous ground survey was extended.

On grid K, several discontinuous conductors with good widths, magnetic coincidence and fair conductivity were located.

On grid I, the conductor could not be located with horizontal loop EM. However, in spotting the grid, both vertical loop and V.L.F. EM were able to pick up a conductor (Weak).

PROPERTY

Exploration rights are held by an Exploratory Licence in this Kesagami Lake area, in the name of Argor Explorations Ltd., about 60 miles south of Moosonee, Ontario. Our crew flew into the project from Moosonee.

MAGNETIC AND ELECTROMAGNETIC SURVEYS

A Scintrex MFL fluxgate magnetometer was used to carry out the magnetometer survey. Observations were taken at 100' stations along the same lines used for the electromagnetic survey. Base stations were read at frequent intervals to tie the survey to one base level. Values are plotted on the enclosed plans and are shown as well in profile form.

The horizontal loop EM instrument used was an EM 17 with a coil spacing of 400'. Readings were taken at 100' stations and at 50' intervals over anomalous areas.

The horizontal loop EM system consists of transmitting and receiving coils linked by a reference cable. Traverses are made along previously cut and chained lines with readings observed at 100' intervals. When crossing a sub surface conductor, the transmitter induces an alternating current into the zone. Changes will occur in the in-phase and out-of-phase components of the resultant vertical magnetic field, and are observed in the self indicating meters of the receiver compensator. Data obtained allows an estimate of width, relative conductivity, dip and depth to conductor.

SECTION I (Formerly D & E)

The general trend of conductors in this area is east-west. A check airborne survey, flown in November 1970, confirmed the previous surveys and additional lines flown east-west suggested the possibility of conductors trending north-south.

To explore the possibility of north-south conductors, a grid was cut with east-west lines, using extended old line 16E as a base line, and the old base line as line 0. We also extended old lines 4E to 28E to the north, to locate the extent of the conductor located on lines 0 and 4E in the previous ground survey.

A weak magnetic high east of the base line suggests a north-south structure from lines 4S to line 20N. A second north-south magnetic structure is located on the west end of lines 16N to 32N.

The E-M survey shows a weak conductor east of the base line, but not coincident with the magnetic highs. These zones of poor conductivity may be related to a structural feature, old channel or clay filled fractures.

Another weak conductor is indicated 600' west on lines 24N, 28N and 32N. The poor conductivity is similar to the above conductor, but values are distorted due to the east-west conductor between lines 24N and 28N. Values on lines 24N and 28N may be caused only by the east-west conductor, and not by a possible north-south conductor.

SECTION K

The previous grid started on land at the south east end of the lake, was extended to the north. The ground E-M survey appears to have located those conductors indicated in the airborne survey. A series of conductors along the same general strike were located west of the base line. The conductors appear interesting as they have fair conductivity and magnetic coincidence (150 to 500 gammas). Widths up to 140 feet are indicated (or several conductors across this width). There appears to be a cover of 75 to 100 feet.

This grid was spotted by using V.L.F. EM to search for the airborne conductor. A weak but definite anomaly was located (dips 1° to 2°). This was confirmed by using a vertical loop EM unit at 400 foot spacing at 12W and 16W, with dips to 3° .

No definite conductors were located with the EM 17 unit, probably because of deep overburden. Possible conductors indicated are probably noise from conductive overburden.

We originally cut the grid 1000 feet each side of the base line, to ensure the grid covered anomalies indicated by the airborne survey, we extended the grid an additional 800' to the north.

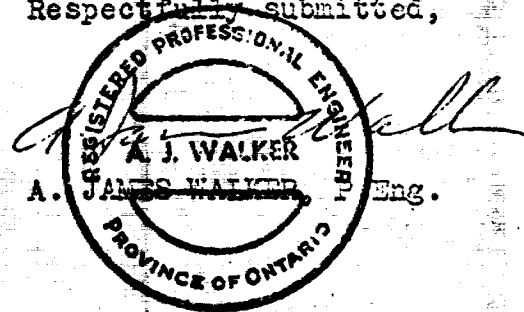
CONCLUSIONS

On grid 1, the north-south conductors appear to have poor conductivity, but may be of interest in view of previous drill results.

Grid 2 has conductors of interest, with fair conductivity, magnetic coincidence and some good widths.

Conductors on grid 1 could not be located with horizontal loop EM, (EM 17), probably because of deep overburden. However, limited tests indicate that vertical loop EM could pick up the conductors indicated by the airborne survey.

Respectfully submitted,



AJM/ew

January 1971

ASSESSMENT DATA

EXPLORATORY LICENCE 3
ARGOR EXPLORATIONS LTD.

INSTRUMENTS

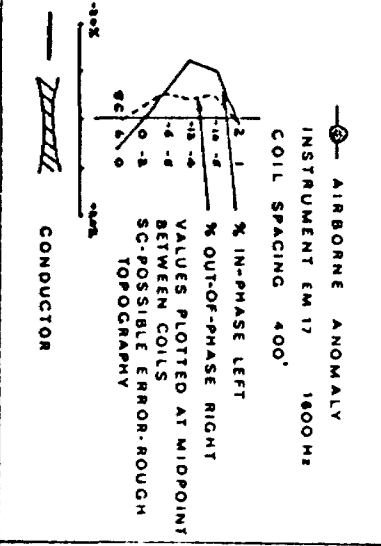
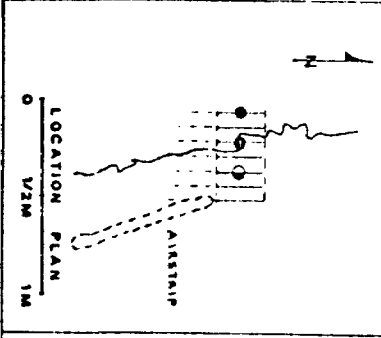
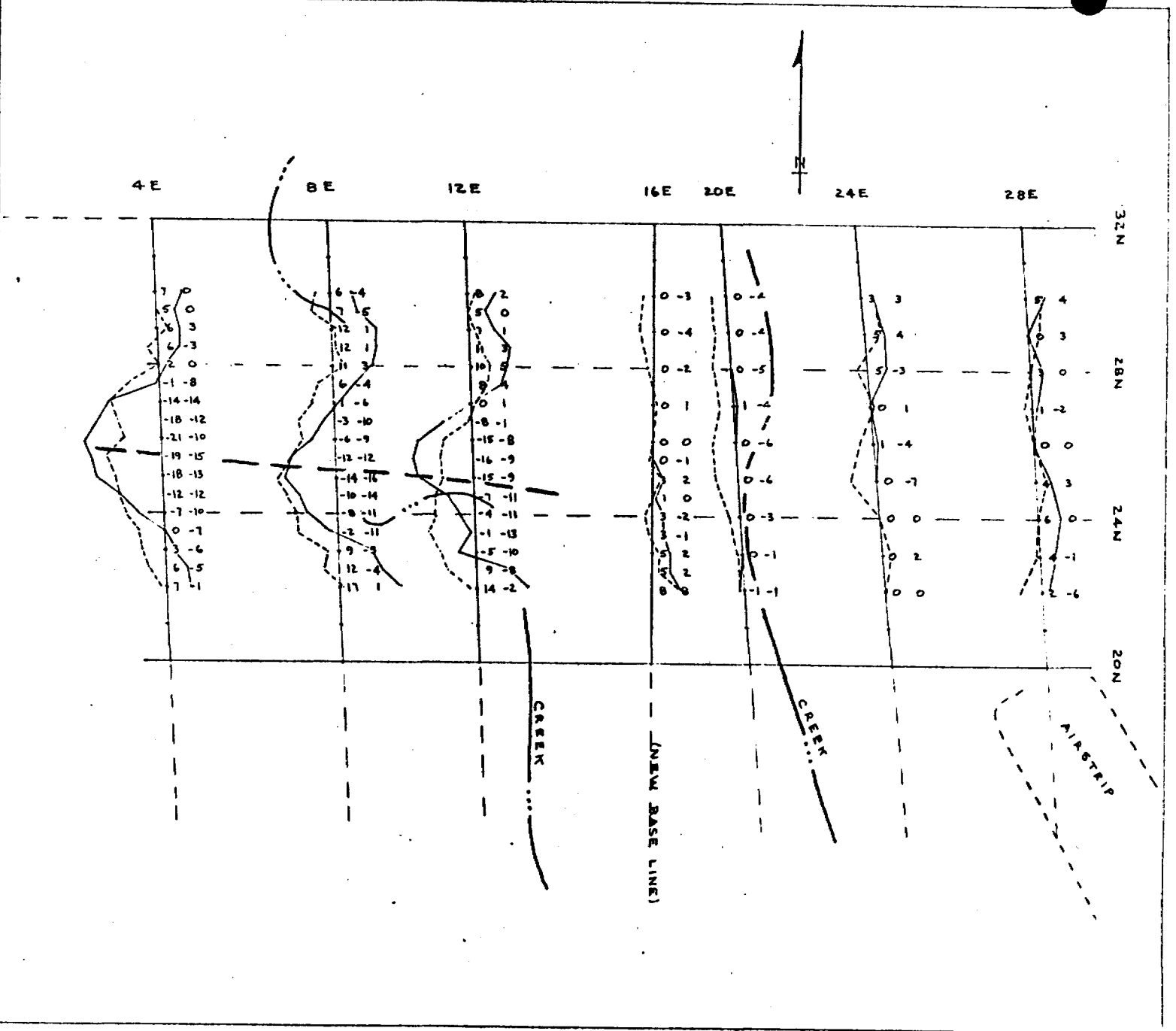
Electromagnetic - Geonics EM 17
Horizontal Loop System
Frequency 1600 HZ
Coil Spacing 400 feet.
Readings at 100 foot intervals
(50 feet over anomalous areas)

EM Search Instruments
Crone RADEM V.L.F. - EM
Scintrex SE-600 Vertical & Horizontal Loop EM - 1600HZ

Magnetic - Scintrex MFI Fluxgate
Direct Reading, 20 Gammas per
Scale Division on most Sensitive Scale.

Crew - Period - January 15th - January 27, 1971.

Linecutting and Chaining Philip Tookate - Moosonee, Ontario.
Magnetometer Survey Hugh Shearer - Cranberry Portage, Man.
Electromagnetic Survey A. J. Walker - Mississauga, Ont.
R. Walker - Port Credit, Ont.
Drafting and Report - January 30 - February 6, 1971
A. J. Walker - Mississauga, Ont.



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PROJECT TERRANE
KESAGAMI LAKE AREA ONT.

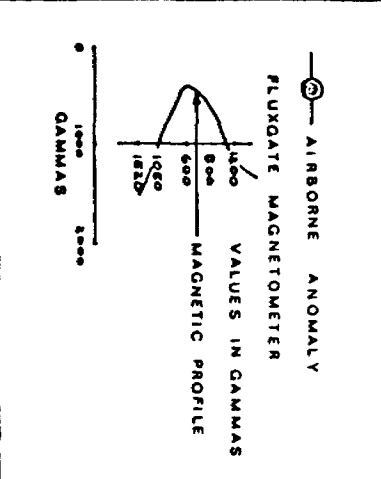
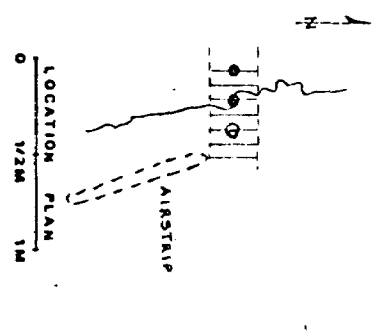
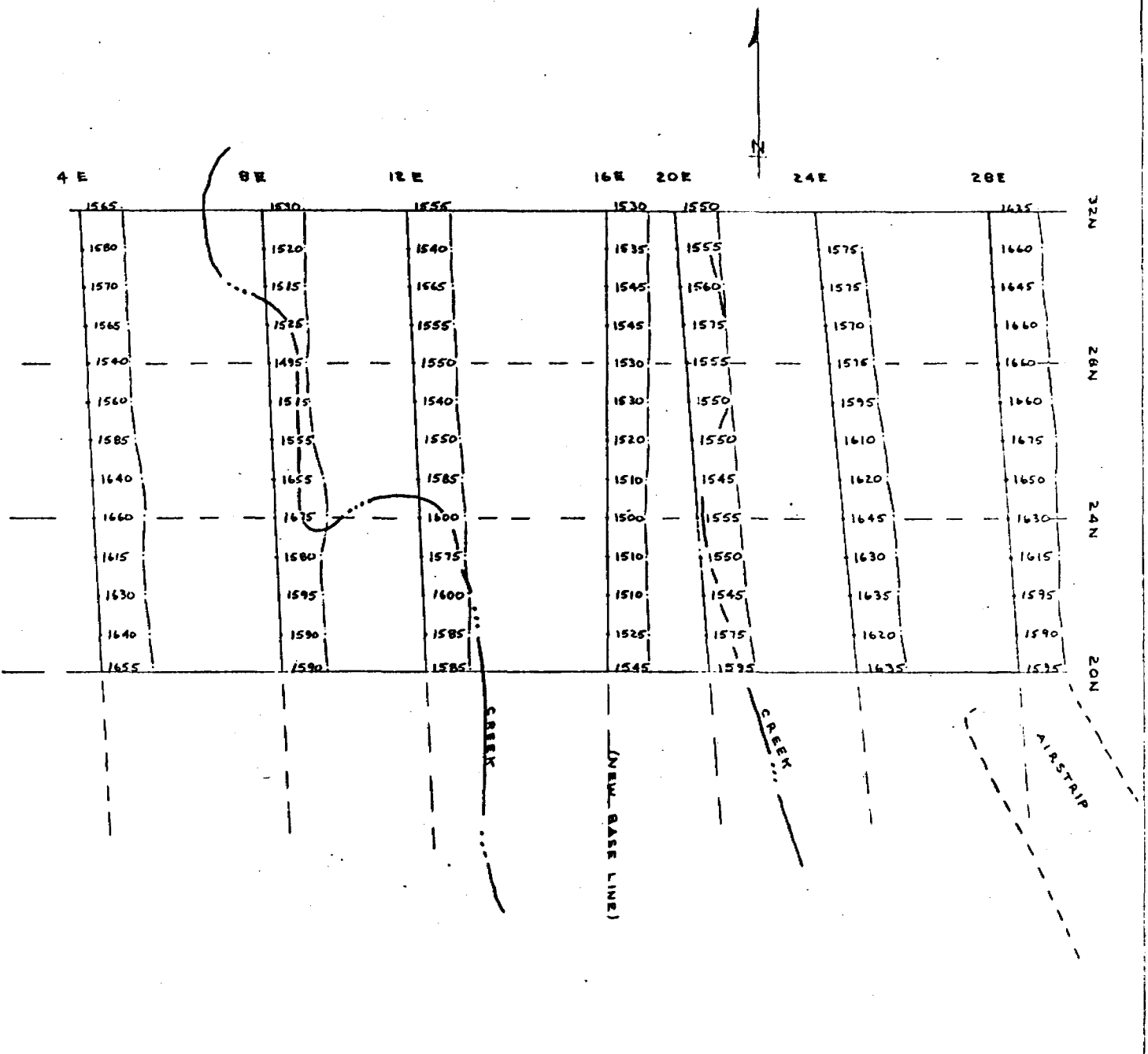
ANOMALY I

HORIZONTAL LOOP E.M. SURVEY

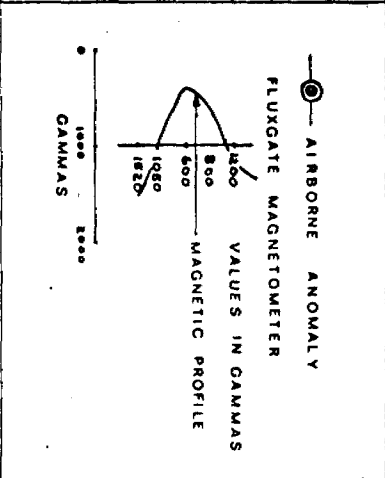
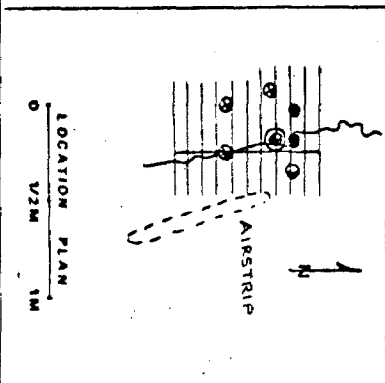
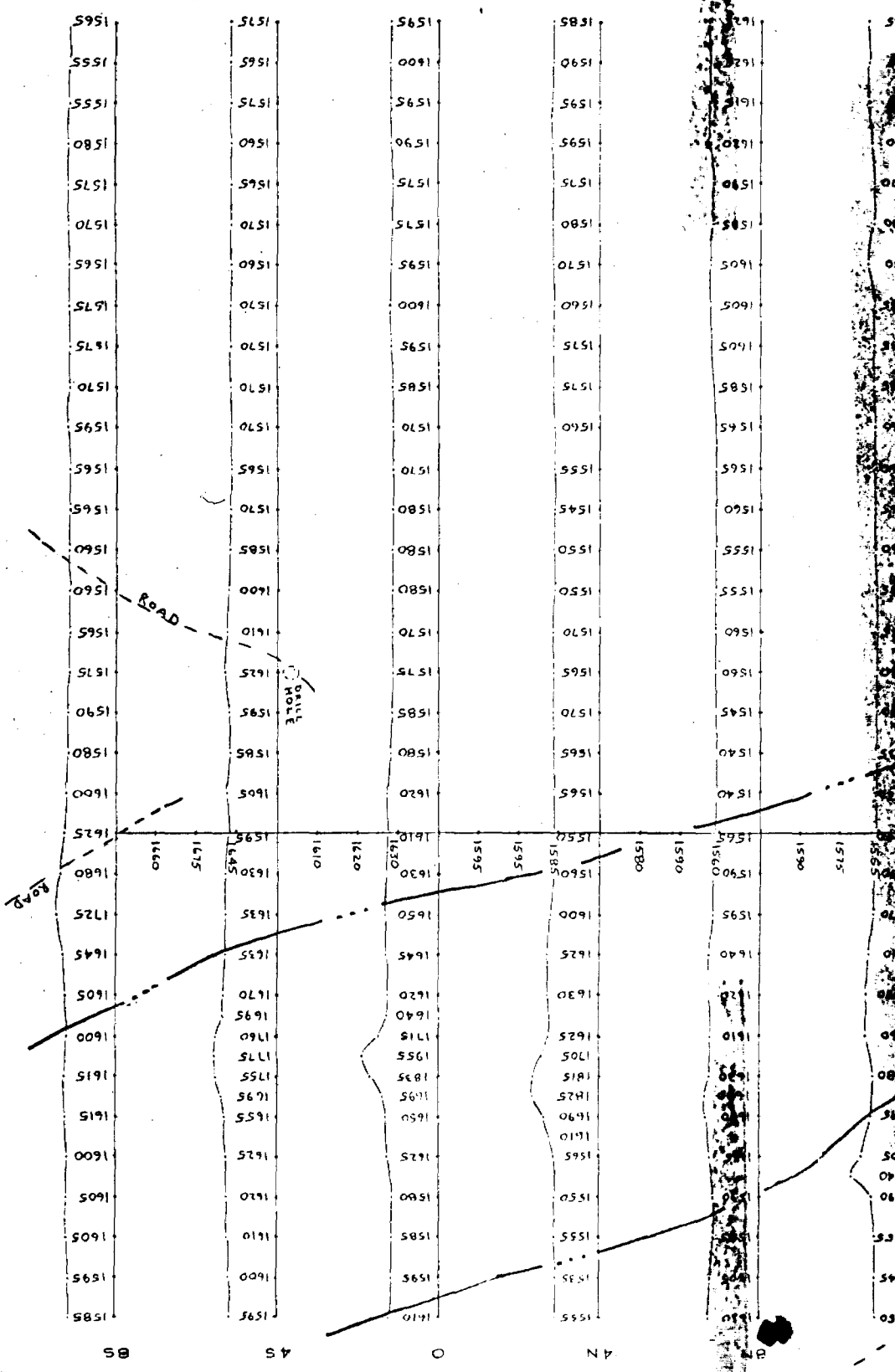
0 200' 400' 600'

JANUARY 1971

A. JAMES WALKER SURVEY CONTRACTOR



ARGOR EXPLORATIONS LTD.
PROJECT TERRANE
KESAGAMI LAKE AREA ONT.
ANOMALY I
MAGNETOMETER SURVEY
0 200' 400' 600'
JANUARY 1971
A. JAMES WALKER SURVEY CONTRACTOR



ARGOR EXPLORATIONS LTD.
 PROJECT TERRANE
 KESAGAMI LAKE AREA ONT.

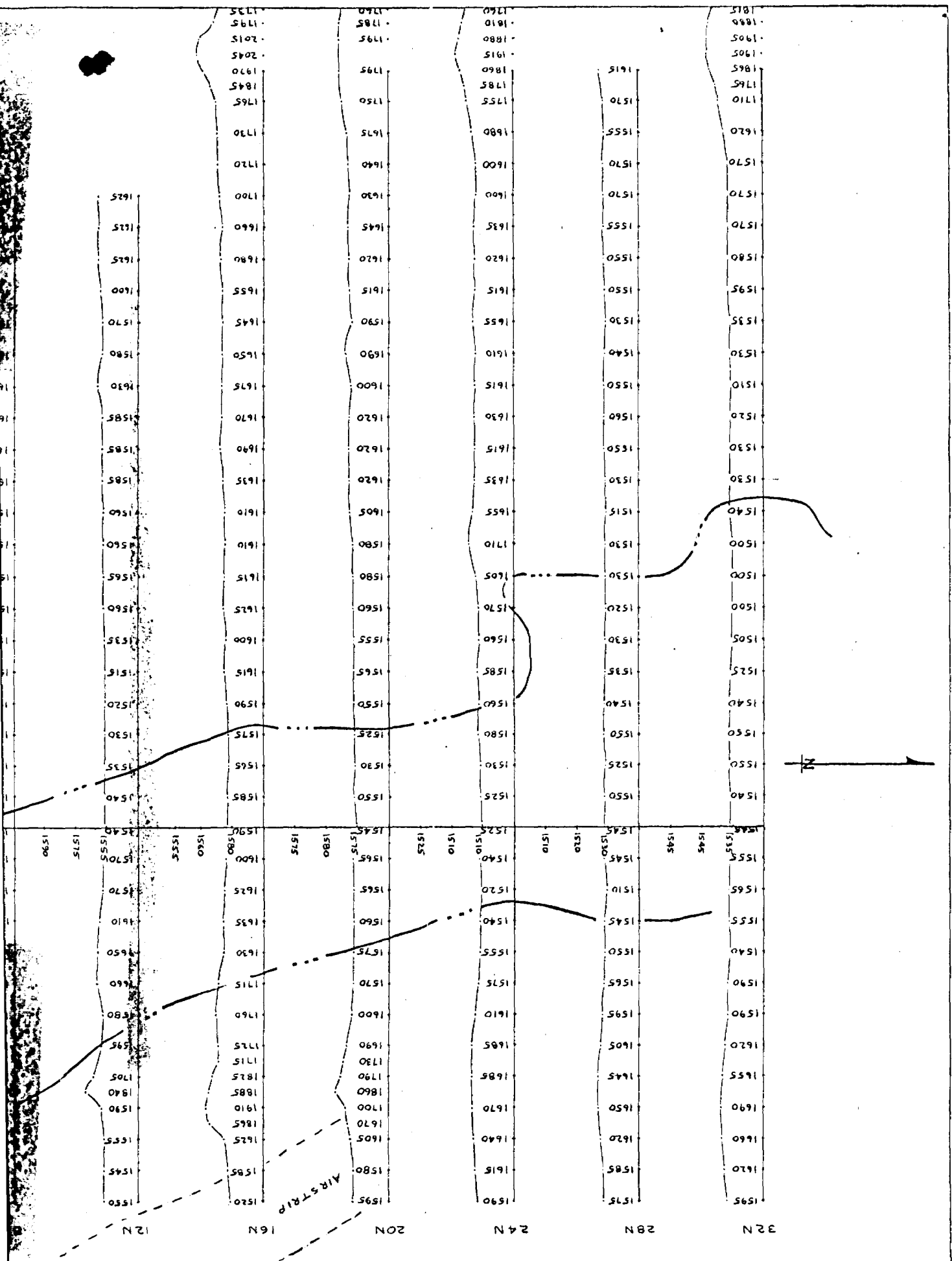
ANOMALY 1

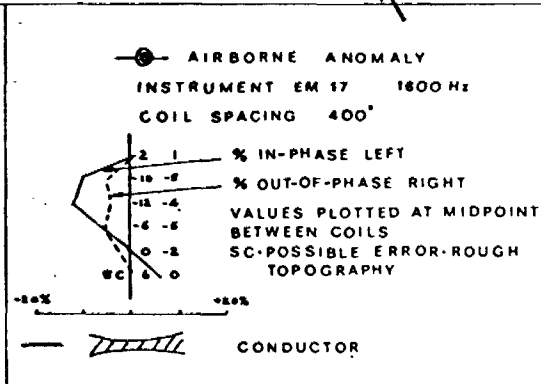
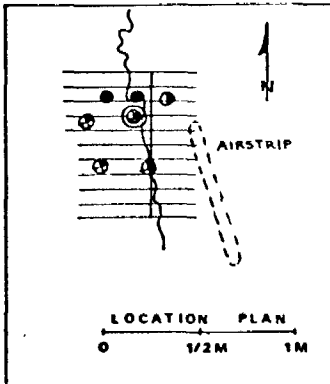
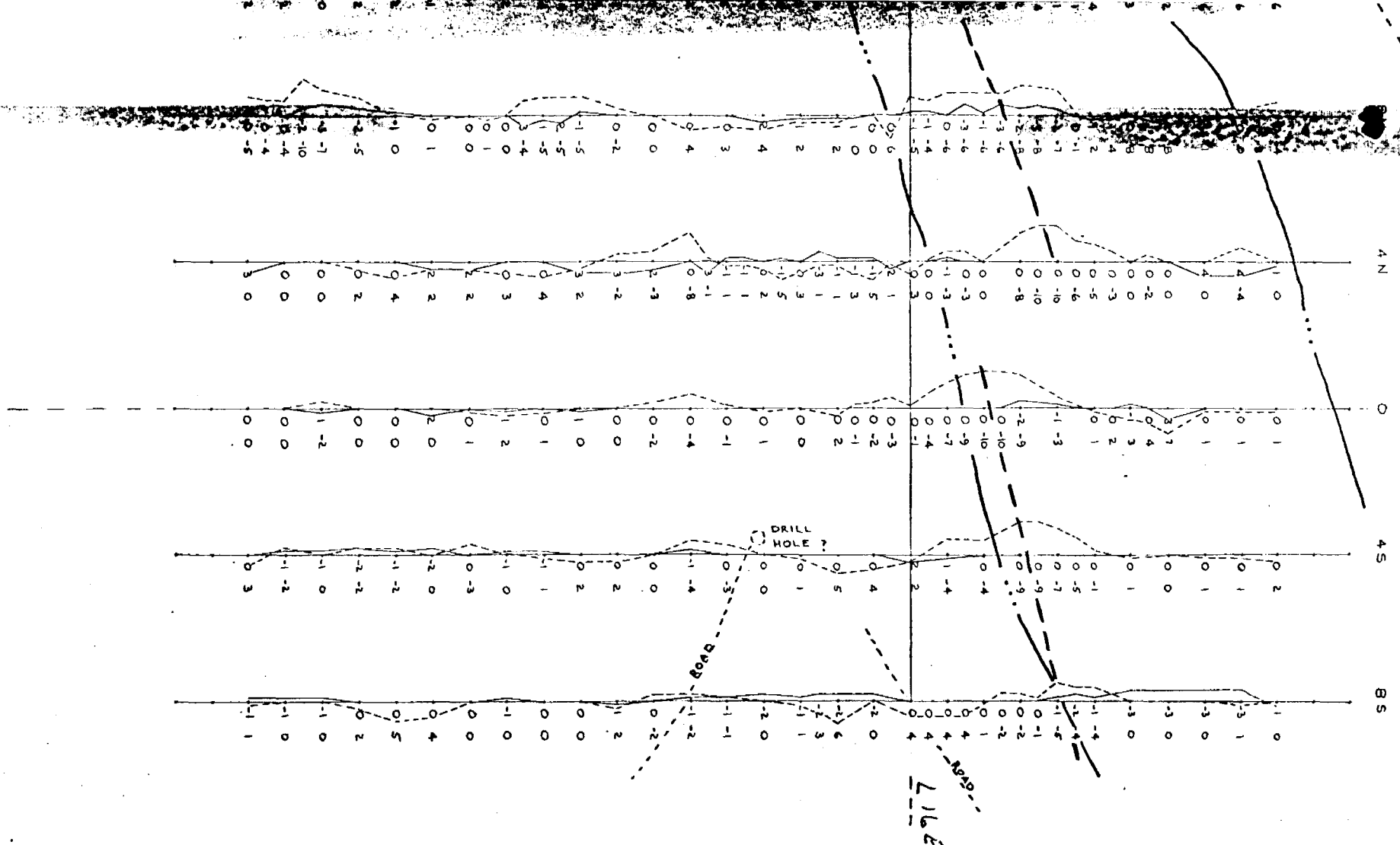
MAGNETOMETER SURVEY

0 200' 400' 600'

JANUARY 1977

A. JAMES WALKER SURVEY CONTRACTOR





ARGOR EXPLORATIONS LTD
PROJECT TERRANE
KESAGAMI LAKE AREA ONT.

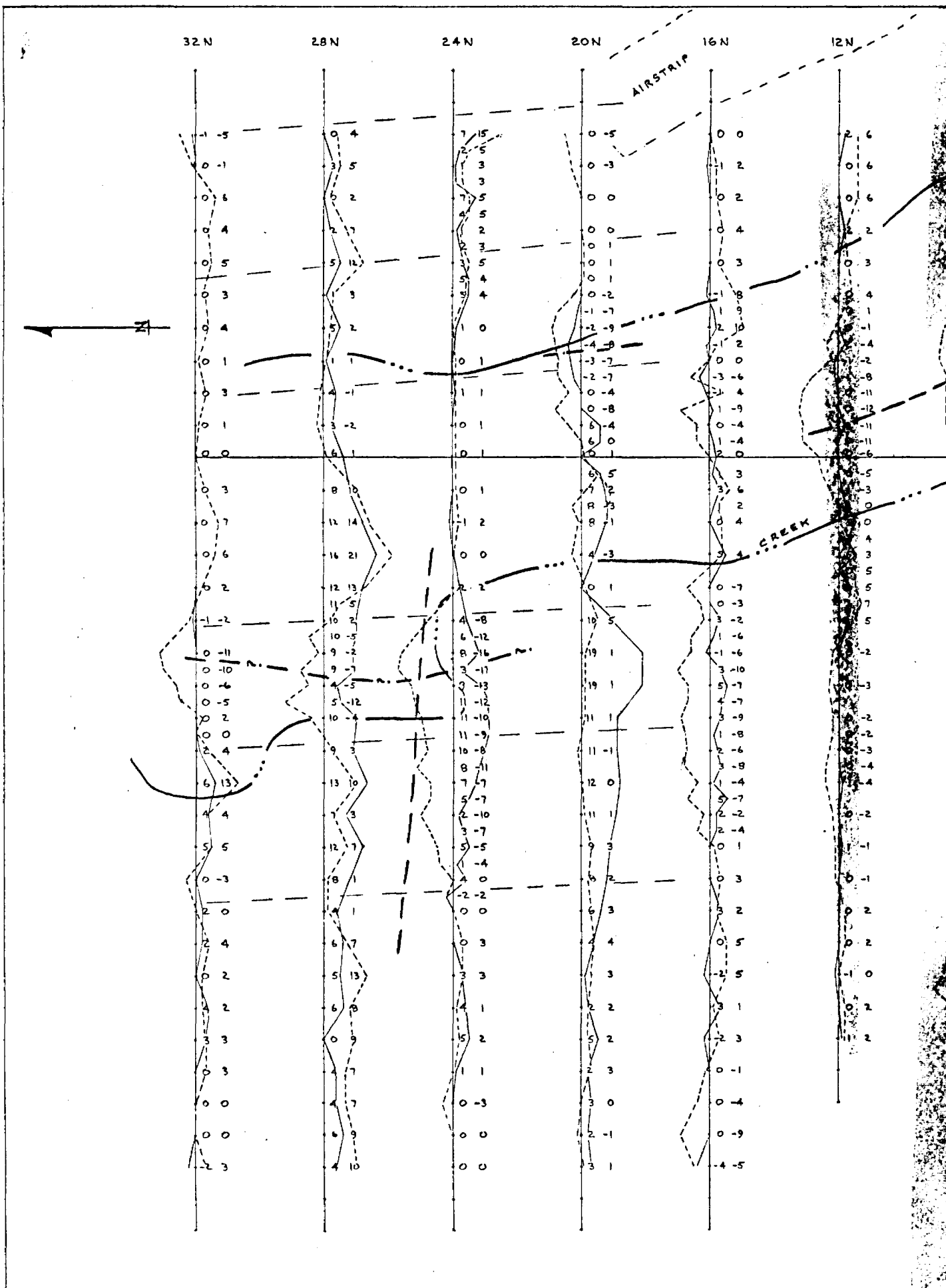
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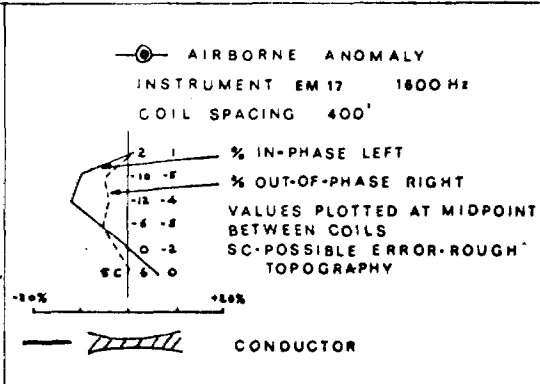
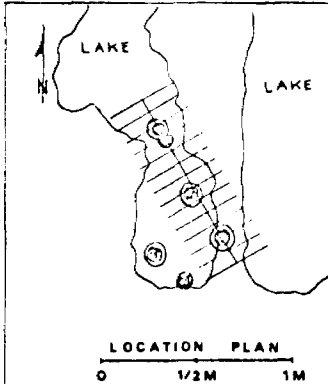
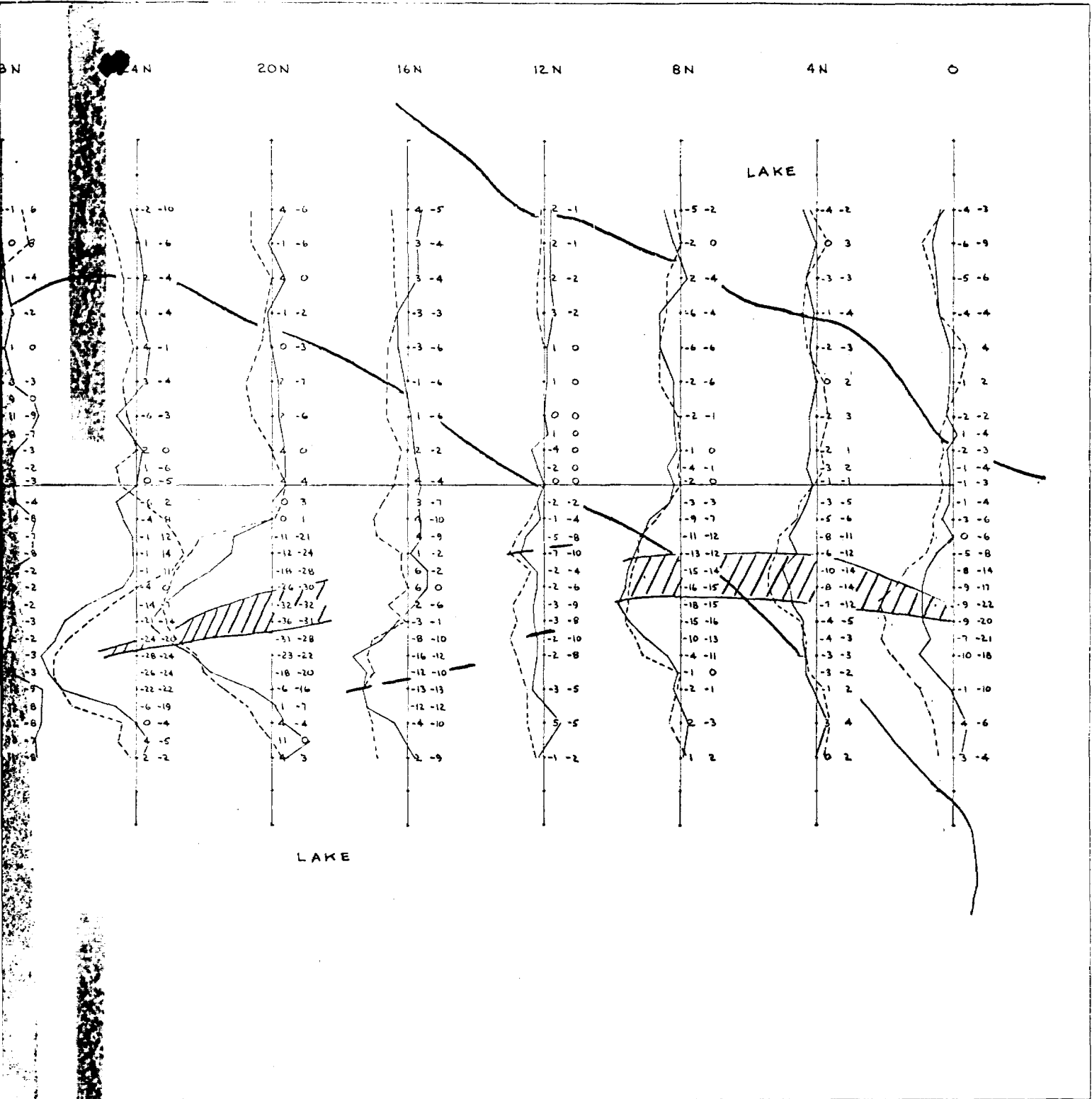
HORIZONTAL LOOP E-M SURVEY

0 200' 400' 600'

JANUARY 1971

A. JAMES WALKER SURVEY CONTRACTOR





ARGOR EXPLORATIONS LTD.
PROJECT TERRANE
KESAGAMI LAKE AREA ONT.

ANOMALY K

HORIZONTAL LOOP E-M SURVEY

0 200' 400' 600'

JANUARY 1971
A. JAMES WALKER SURVEY CONTRACTOR

52N

48N

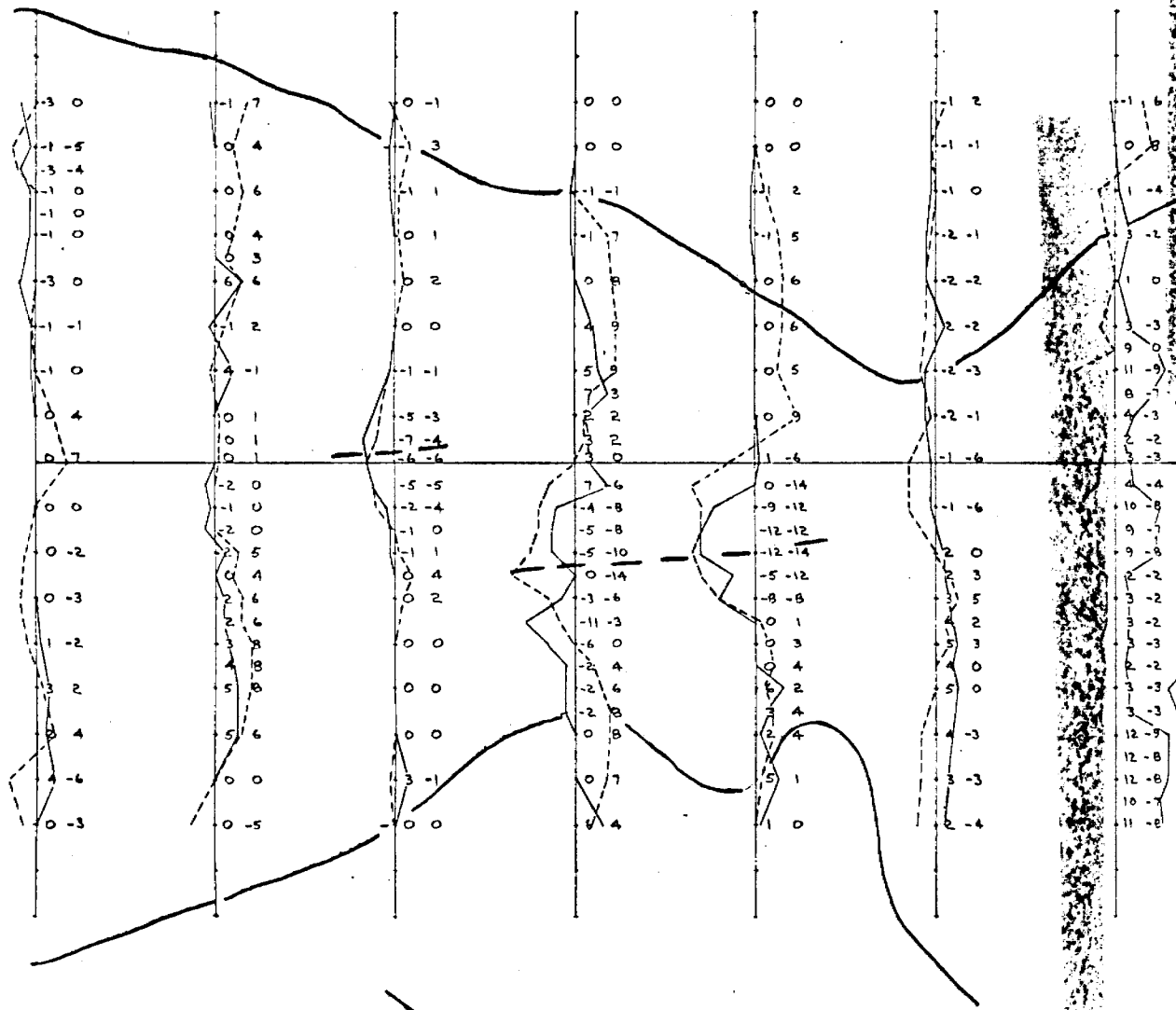
44N

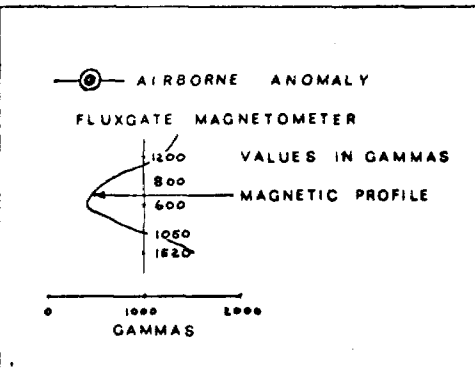
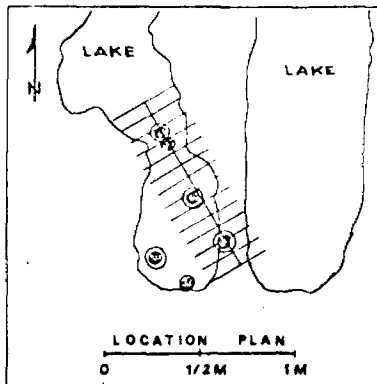
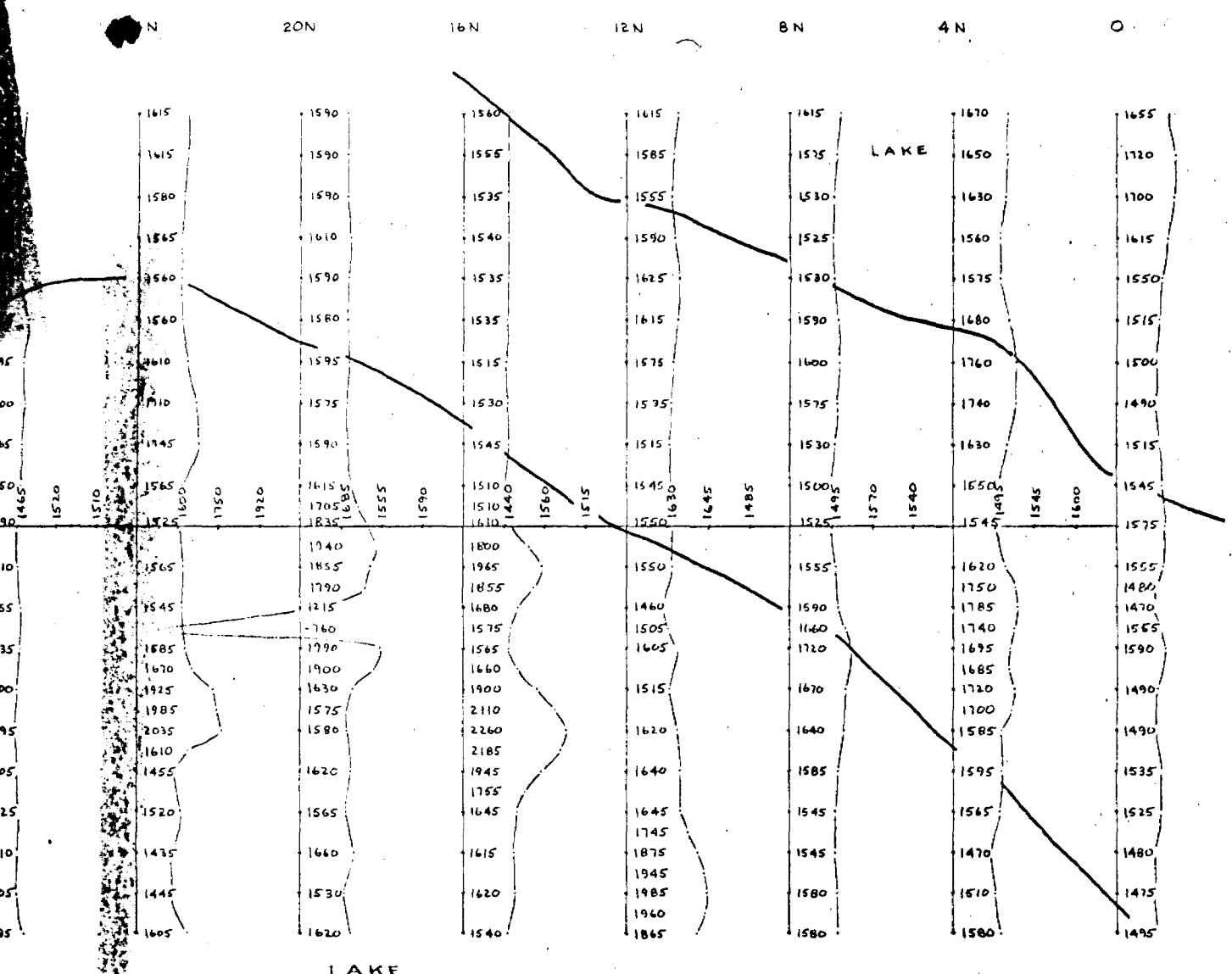
40N

36N

32N

28N





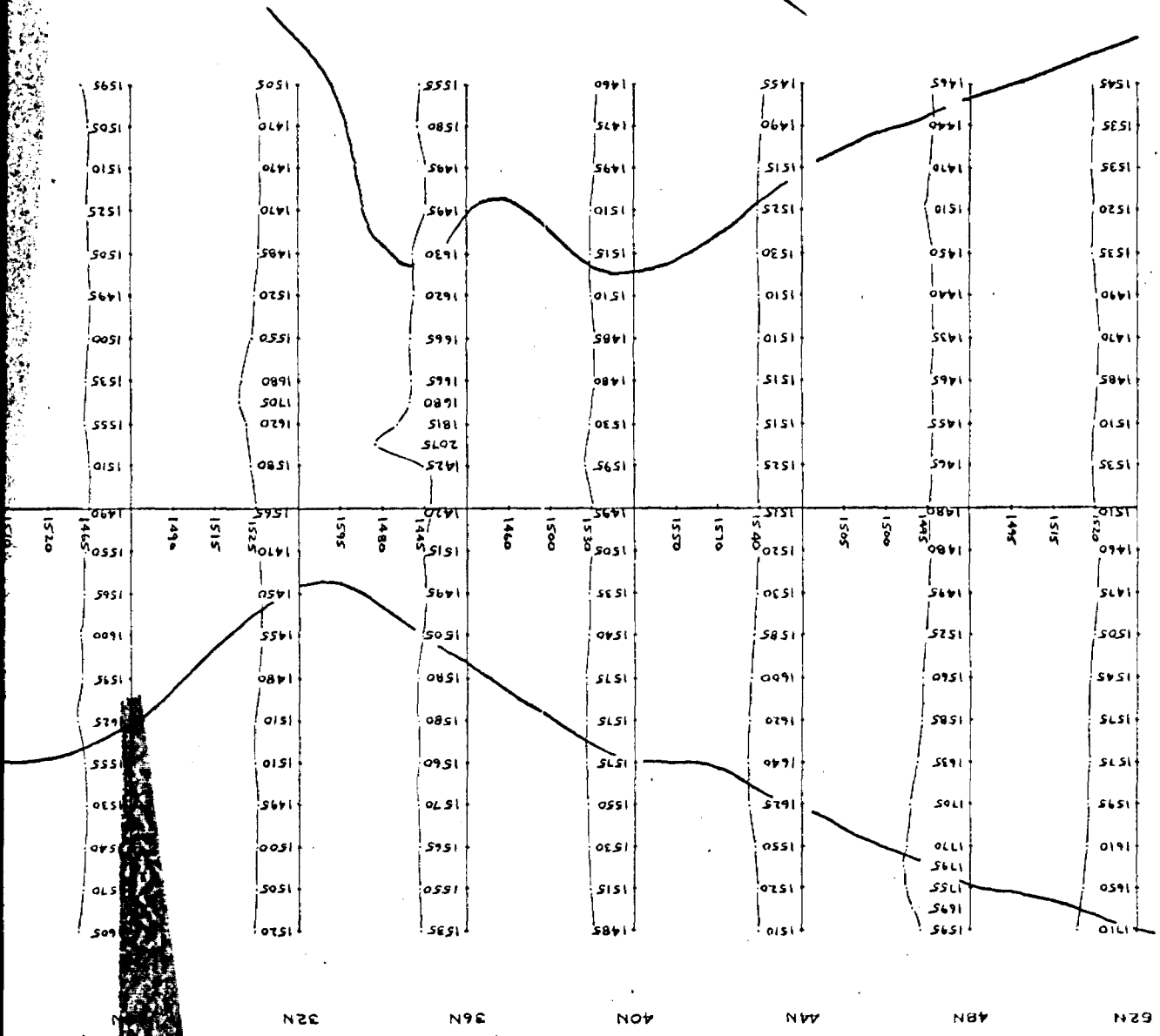
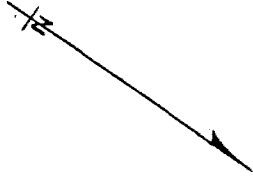
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KESAGAMI LAKE AREA ONT.

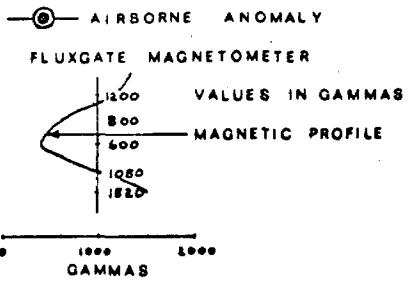
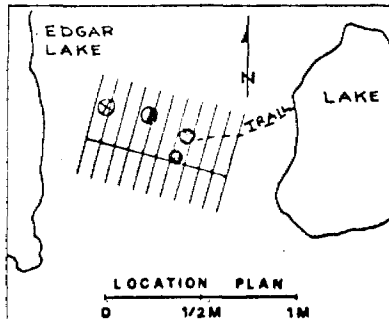
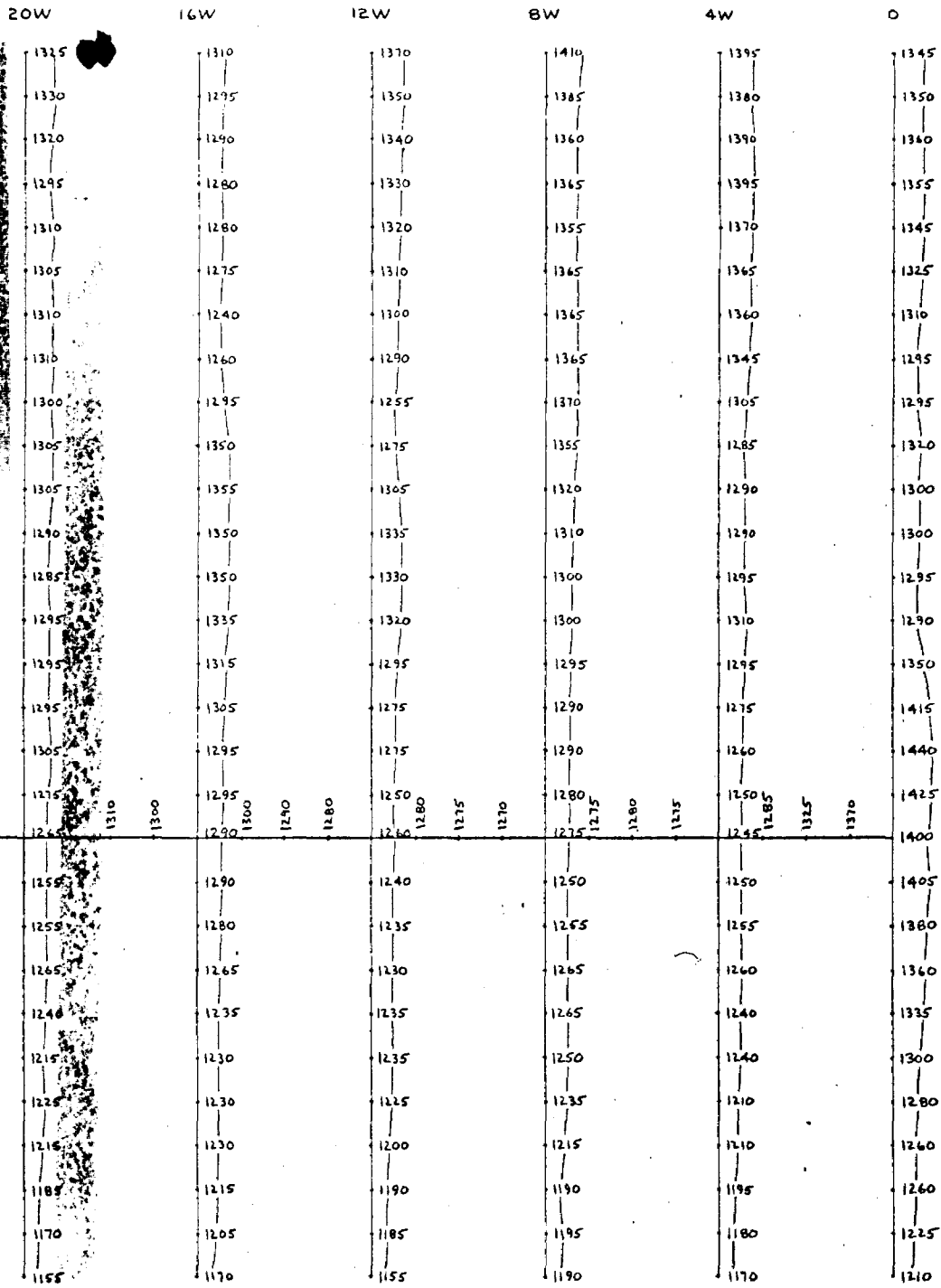
ANOMALY K
MAGNETOMETER SURVEY

0 200' 400' 800'

JANUARY 1971

A. JAMES WALKER SURVEY CONTRACTOR





ARGOR EXPLORATIONS LTD.

PROJECT TERRANE

KESAGAMI LAKE AREA ONT.

ANOMALY L

MAGNETOMETER SURVEY

0 200' 400' 600'

JANUARY 1971

A. JAMES WALKER SURVEY CONTRACTOR

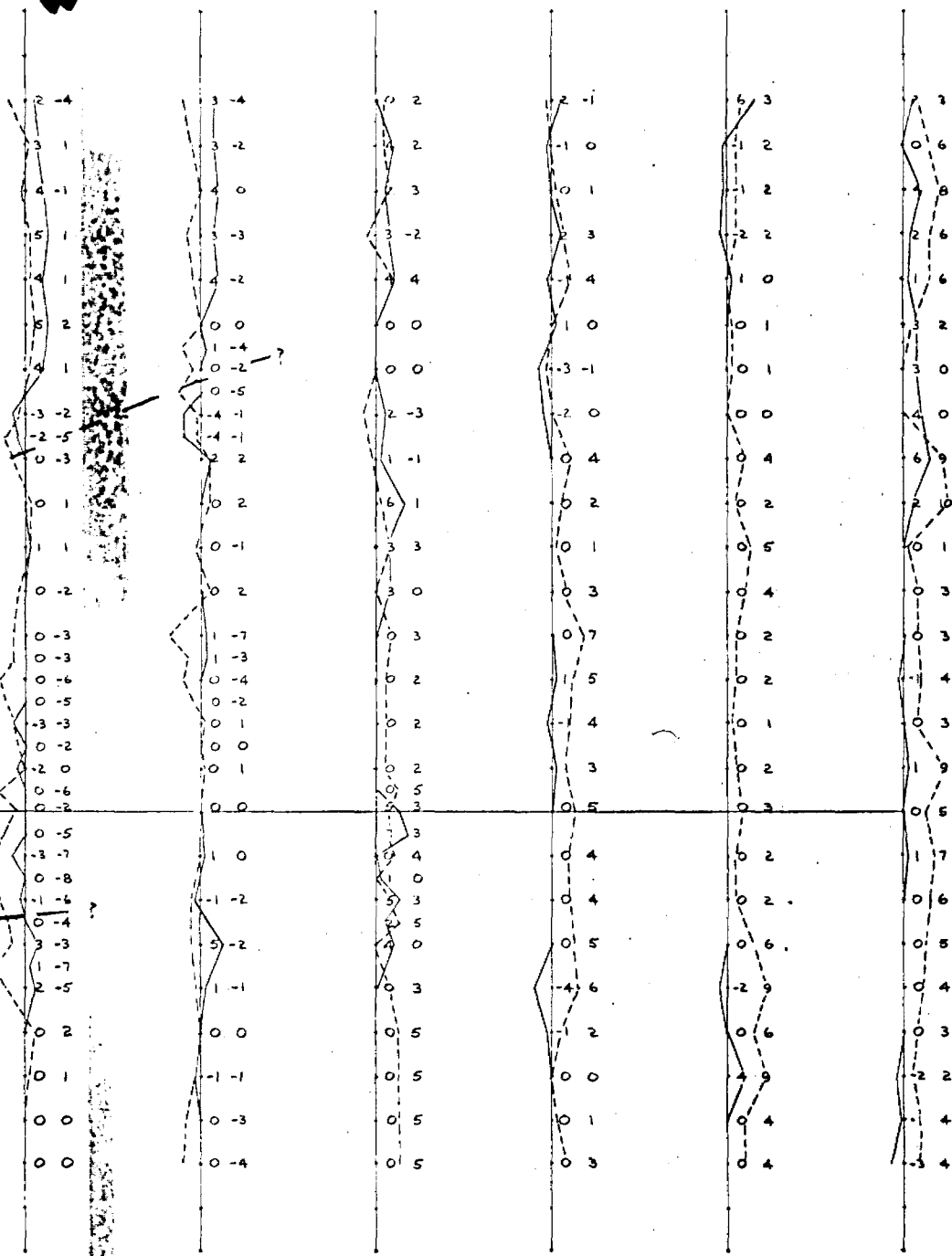
WEAK
WEAK

40W	36W	32W	28W	24W	20W
1400	1375	1300	1330	1295	13
1415	1380	1300	1330	1295	13
1420	1430	1290	1330	1305	13
1395	1510	1290	1345	1305	12
1350	1465	1315	1355	1300	13
1335	1435	1340	1345	1325	13
1330	1420	1360	1345	1320	13
1340	1390	1365	1350	1300	13
1350	1335	1405	1300	1320	13
1360	1335	1405	1295	1325	13
1345	1340	1390	1295	1305	13
1355	1310	1370	1305	1310	13
1365	1340	1345	1305	1300	13
1340	1340	1380	1305	1290	13
1355	1355	1360	1285	1300	13
1355	1310	1345	1270	1320	13
1345	1310	1345	1265	1305	13
1340	1305	1350	1285	1295	13
1340	1320	1325	1305	1295	13
1325	1280	1320	1305	1280	13
1345	1270	1320	1265	1275	13
1340	1275	1280	1255	1255	13
1300	1265	1280	1265	1275	13
1295	1260	1270	1255	1270	13
1290	1260	1250	1255	1260	13
1290	1255	1255	1240	1255	13
1275	1240	1245	1225	1240	13
1255	1235	1235	1210	1225	13
1235	1225	1220	1165	1185	13

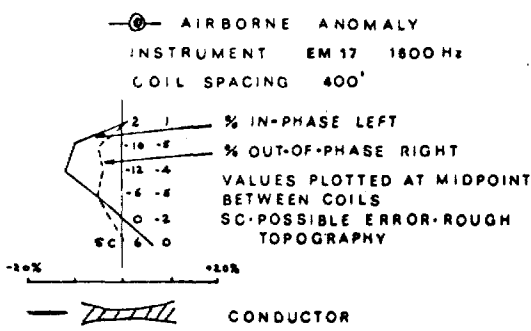
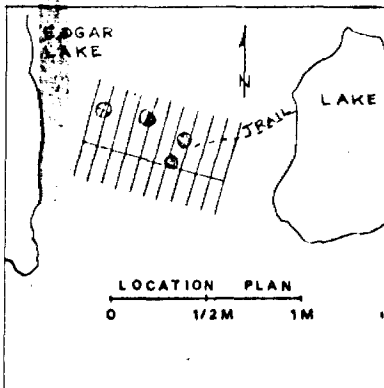
ROAD

NOTE LOCATED V.L.F AT 50'S LIN W- WEAK
 ALSO LOCATED VERTICAL LOOP W- WEAK
 AT BASE LINE 12W AND 13W

20W 16W 12W 8W 4W 0



W - WEAK
S - WEAK



ARGOR EXPLORATIONS LTD.
PROJECT TERRANE
KESAGAMI LAKE AREA ONT.

ANOMALY L
HORIZONTAL LOOP E-M SURVEY
0 200' 400' 600'
JANUARY 1971
A. JAMES WALKER SURVEY CONTRACTOR

40W

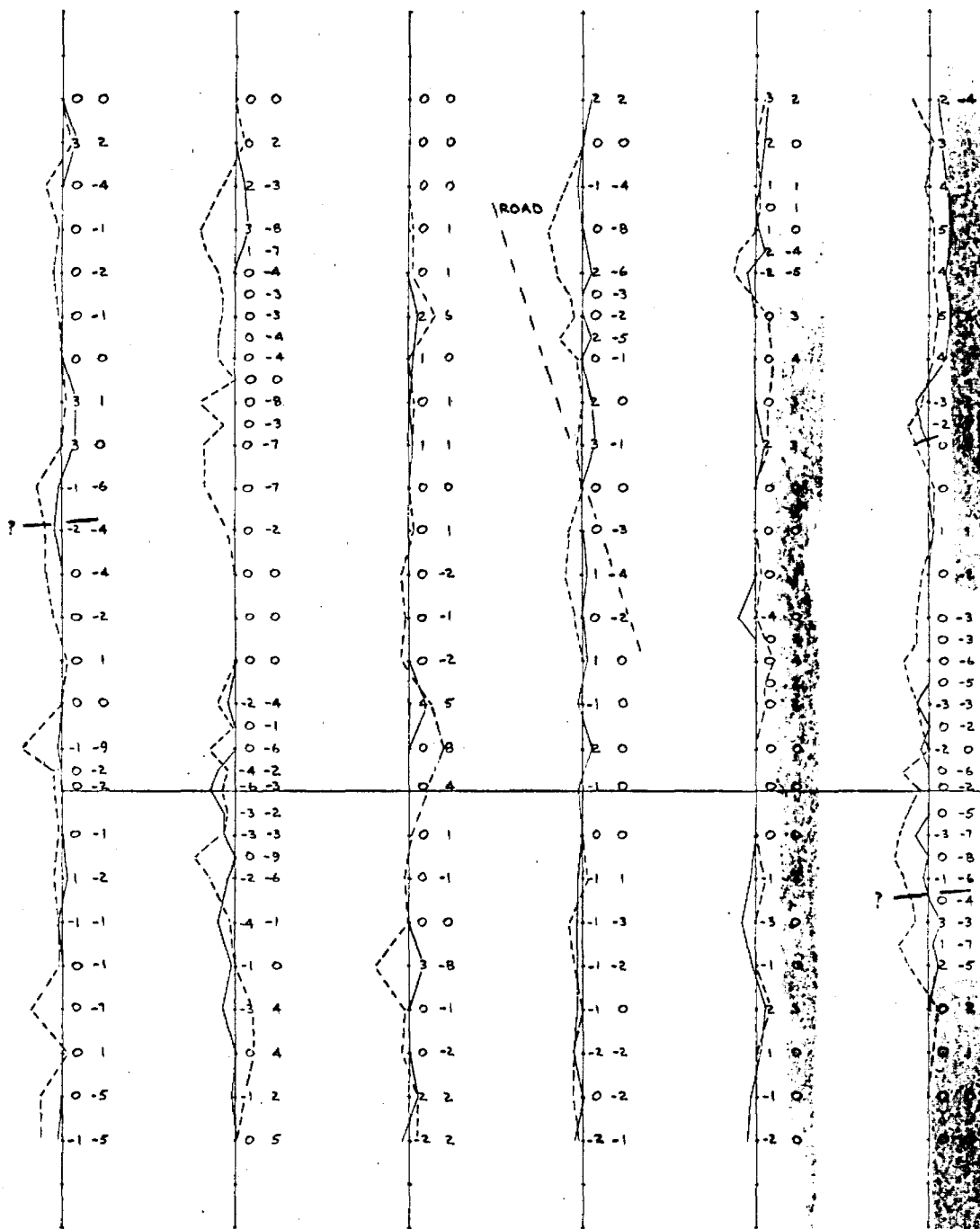
36W

32W

28W

24W

20W



NOTE LOCATED V.L.R AT 50'S LINE 12W - WEAK
 LOCATED VERTICAL LOOP EM (400') - WEAK
 AT BASE LINE 12W AND 16W



42116NW0002 83.1-46 YESTERDAY RIVER

060

Norman Paterson & Associates Limited Consulting Geophysicists

Norman R. Paterson, Ph.D., P.Eng. President

J. W. Prior, M.Sc., F.G.S., P.Eng.

February 11th, 1971.

Consolidated Morrison Explorations Ltd.,
11 King Street West,
Toronto, Ont.

Attention : Mr. A. W. Stollery.

Re: Anomalies I, K and L
Kesagami Lake Area, Ontario.

Dear Sirs,

I have reviewed briefly the recent INPUT and ground geophysical surveys carried out on the Kesagami Lake extension area.

Anomaly 1

The position of this anomaly on the airborne survey suggests a correlation with Anomaly D, located on the earlier survey. Anomaly E, whose location and identification is in doubt, again appears weakly on the INPUT results. However, the new survey failed to confirm Anomaly F, which is surprising since it is of good amplitude and is confirmed by the ground survey carried out by Prospecting Geophysics.

The ground results confirm Anomaly 1, which correlates with the eastern end of Anomaly D, detailed earlier by Prospecting Geophysics. Anomaly E was only surveyed on east-west lines, and was not detected. The two north-south conductors are of low conductivity and probably correlate with faults or buried river channels running in this direction. This is also the dyke direction, as confirmed by the magnetic results.

It is recommended that Anomaly D be drilled, either on Line 4 E or Line 32 W. At the two locations, the conductor axis surfaces at 25 + 70 N and 22 + 00 N respectively, and dips approximately 60° S and 45° S respectively. Depth of overburden is approximately 75 feet and 70 feet respectively. Suggested drill locations are 23 + 70 N and 19 + 30 N respectively; the holes are assumed to dip 60° N.

The conductor is expected to be narrow (less than 20 feet), but may be surrounded by lower conductivity material.

/continued

Anomaly K

The ground results check well with the airborne and previous ground surveys. The conductor is shallow (less than 20 feet on Line 20 N) and up to 100 feet wide, probably in several narrower bands. Average conductivity is quite low, but the individual bands may be strongly conductive. Dip is vertical or steep to the southwest.

Moderate magnetic correlation suggests the presence of pyrrhotite.

To test this anomaly, a drill could be located on the shore, on Lines 8 N or 4 N, but preferably on the lake on Line 20 N. A suggested location is at 5 + 00 S, dipping 45° NE. This should intersect the centre of the conductor at a depth of about 130 feet.

Anomaly L

The horizontal loop ground EM surveys failed to locate the anomaly. Weak VLF EM and vertical loop EM anomalies are reported to have been obtained, but it is possible that these are related to overburden effects. It is unlikely that excessive depth is responsible, as the EM-17 survey explored to a depth of more than 200 feet. The airborne anomaly does not suggest a depth greater than this. The ground magnetometer results show no obvious magnetic correlation, and confirm that the depth of overburden is probably less than 200 feet.

No further work is recommended on this anomaly.

In summary, it is recommended that Anomaly D be drilled, because of its favourable characteristics and its proximity to Drillholes E-1 and E-2 which showed interesting alteration effects. This conductor is not broad, but has substantial strike length; it could contain a significant volume of conducting material. Drilling is also recommended on Anomaly K, preferably on the lake during the winter. No further work is recommended on Anomaly L.

Your reports are returned with this letter.

Yours very truly,
NORMAN PATERSON & ASSOCIATES LIMITED



Norman R. Paterson

NRP/bc
Encl.



42110NW0002 83.1-46 YESTERDAY RIVER

070

DIAMOND DRILL LOGS

1967-1970

ARGOR EXPLORATIONS LTD.

1 RDDH / 6435'

DIAMOND DRILL RECORD

PROPERTY ARGOR EXPLORATIONS LIMITED - PROJECT TERRANE
 LOCATION ARGOR 10 GRID
 Latitude 5700N
 Departure 000
 Elevation SURFACE
 Started: Feb. 27th, 1967.
 Completed: Mar. 5th, 1967.
 Dip tests: 85'-47°, 300'-43½°, 600'-42½°.

HOLE No. ARGOR 10-1

Bearing: S60E on grid.

Dip: - 50°

Length: 603'

Logged by: *H. H. ...*

Footage	Description	Sample	Footage	Width	Assays
0 - 85	<u>CASING</u>				
0 - 81	<u>OVERBURDEN</u>				
81 - 603	<u>GARNET FELDSPAR GNEISS</u> Pinkish green. Medium to coarse grained. Mostly well banded @ 45-70°. Rock consists mainly of granular euhedral pink garnets (25-30%) generally 2-4mm across, greenish to salmon pink banded feldspar 25%, quartz (20%), fine to medium crystalline pyroxene or amphibole (20%), 3-10% patchy biotite, occasional pyrite. Locally fractured with chlorite &/or calcite and some hematite / limonite fracture infillings. Locally appears granulitic. Apparently no magnetite. Slightly weathered, locally rusty and chloritic to 95.5'. <u>169-171</u> Sheared, sections brecciated. Foliation @ 45°. Granular pink feldspar fragments and sheared dyke material. 1% calcite. <u>171-177.1</u> DYKE - dark green grey, very fine grained, medium hard to medium soft, appears andesitic. 10% fine calcite. Minor biotite. Slightly fractured with calcite infillings. Locally reddish, hematitic. Non magnetic. First 4" contain numerous pale pink fragments about 3-4mm across. Medium soft. Could be carbonate or altered garnet? <u>177.1-603</u> Increasing quartz - feldspar and biotite (chlorite) at expense of other mafics and garnet.				

Footage	Description	Sample	Footage	Width	Assays
	<p>15-20% garnet. 10-15% biotite (largely chloritized). 5-10% pyroxene / amphibole? 60% quartz - feldspar. Slightly fractured with chlorite, minor calcite and local hematitic or rusty material as infillings - mostly @ low angles to core. Gneissose banding @ 60-70°. <u>232-235, 251-252.2, 269.5-272, 283-285.6</u> Fractured, rusty, oxidized - locally red hematitic staining. <u>239.5-241.5</u> 1"-1" dark green grey dyke parallel to core. 10-15% fine calcite. Slightly magnetic. <u>294.5</u> 3/8" fracture @ 25-30° filled with chlorite - calcite. <u>310-321, 325-326, 334-337</u> Oxidized - fractured @ low angles to core. Locally slickensided. Probably water bearing fractures. <u>332-334</u> Mainly salmon pink feldspar, 20% quartz, minor dark inclusions. May be pegmatitic injection. <u>415.7</u> 5" Salmon pink, coarse feldspar vein. Minor quartz. <u>431.5-433.5</u> Rusty, chloritic, fractured. Local minor brecciation with ferruginous infilling.</p> <p style="text-align: center;">END OF HOLE 603'.</p>				

DIAMOND DRILL RECORD

PROPERTY ARGOR EXPLORATIONS LIMITED . . . - PROJECT TERRANE.
 LOCATION ARGOR 10 GRID. Started: MARCH 7th 1967
 Latitude 4280N Completed: MARCH 11th 1967
 Departure 530W Dip tests: 102'-49°, 300'-47°, 500'-42°
 Elevation SURFACE

HOLE No. ARGOR 10 - 2
 Bearing: S 60°E on grid.
 Dip: -50°
 Length: 502'
 Logged by: *W. R. Schindler, B.Sc. M. Eng.*

Footage	Description	Sample	Footage	Width	Assays
0-102	<u>CASING</u>				
0-98	<u>OVERBURDEN</u>				
98-137.5	<u>BIOTITE FELDSPAR GNEISS</u> Well banded pink and grey. Bending @ 45-55°. 25-30% biotite partly chloritized. Possibly 5% amphibole or pyroxene. 65% feldspar quartz - local augens. Slightly fractured with chloritic infillings. <u>132-133</u> Folded and crenulated. <u>136</u> 6" altered dyke material. 15% fine calcite.				
137.5-337	<u>GARNET NICA GNEISS / GRANULITE</u> Banded @ 50-75°. Locally distinctly granulitic. Patchy medium to coarse red garnet varies from 0-50% - overall 15-20%. 40% pinkish to light green feldspar. Occasional pyrite. 20% grey quartz. 20% biotite and pyroxene or amphibole. Overall 5-8% magnetite (very patchy) to 233.5. (Occasional streaks and patches magnetite from 233.5-303'). Slightly fractured throughout - fractures contain chlorite - calcite infillings. <u>150-152.8</u> 25% magnetite lenses.				

Footage	Description	Sample	Footage	Width	Assays
	<p><u>152.8-190.3</u> Distinctly gneissose. Low garnet. Mostly quartz - feldspar - biotite. Low magnetite.</p> <p><u>191-192</u> Dark green. Fractured and sheared dyke. 10% fine calcite. UC55°. Minor pyrite, pyrrhotite in last 2".</p> <p><u>192-199</u> 20% magnetite in coarse masses and stringers, fracture along core to 195 contains iron oxide, chlorite and calcite.</p> <p><u>232.5-233.5</u> 25% magnetite bands.</p> <p><u>252.2</u> 2" Lamprophyre dyke @ 45°. ½" calcite veinlet in centre.</p> <p><u>261.3</u> 5" Lamprophyre dyke (15% fine calcite). Calcite veining in last 1". Minor hematite and limonite?</p> <p><u>297-300.5</u> 1-2% pyrite. Coarse pegmatitic green feldspar and quartz 50-60%. 10% pyroxene, 30% garnet (very coarse to medium crystalline).</p> <p><u>303-309.6</u> Banded @ 45-80°. 25-30% magnetite. Locally sheared, altered fractured with minor calcite. 15-20% garnet veining.</p> <p><u>331.5-336.1</u> 30% magnetite. 20% garnet. Sheared and banded @ 45°.</p>				
337-423	<p><u>FELDSPAR BIOTITE GNEISS</u></p> <p>30% bands pink feldspar. 30% fine biotite. 25% quartz (fine granular), 5% pyroxene? Slightly fractured and chloritic throughout. Occasional fractures contain calcite. Well banded @ 45-50°.</p> <p><u>382-383</u> Vuggy. Altered. Mafics chloritized. Feldspar soft, clayey in parts, slightly rusty. 5" fine calcite.</p> <p><u>335.5-338</u> Sheared, altered. Medium soft to medium hard. Fractured, hematitic and rusty. 5-10% fine calcite.</p> <p><u>407-409</u> LCST CORE.</p> <p><u>417-423</u> 10-15% red garnet in bands up to 40%.</p>				

Footage	Description	Sample	Footage	Width	Assays
423-433	<p><u>DYKE</u> Dark green to black. Very fine grained basic dyke. Fractured. Sharp UC @ 60°. LC sheared, indistinct. 5% fine calcite. Minor calcite filled fractures. <u>423-424</u> 15-20% magnetite. <u>429-433</u> Highly sheared and altered. Partly sericitic? Rusty, water bearing. First foot brecciated. Foliation @ 45-50°. Slightly hematitic. 1/2" hematite - calcite fracture infilling @ 431.5 @ 35° across foliation.</p>				
433-455	<p><u>ALTERED GNEISS</u> Sericitized, chloritized and possibly mylonitized biotite - feldspar - garnet gneiss. Sheared @ 30-55°. Rusty, water bearing structure. locally hematitic. <u>448.3-449.5, 450-451</u> LOST CORE. <u>452-454</u> Hematitic and chloritic - calcitic slips and vugs. Slickensided along core. Rusty.</p>				
455-502	<p><u>GARNET BIOTITE FELDSPAR GNEISS / GRANULITE</u> Pinkish grey and dark green. locally well banded @ 70-80°. 25% pink to red garnet. 25% biotite (locally chloritic). 50% feldspar - quartz. May be some pyroxene &/or amphibole. Occasional magnetite. Slightly fractured with occasional calcite - chlorite fracture infillings up to 1/2" wide @ low angles to core.</p> <p style="text-align: center;">- END OF HOLE 502'.</p>				

WPA # 1

DIAMOND DRILL RECORD

(B) 17

PROPERTY ARGON EXPLORATIONS LTD. PROJECT TERRANCE HOLE NO. ARGON 17 #1

SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED 19 March 1966
 GRID LATITUDE 2700S DATUM _____ COMPLETED 22 March 1966
 GRID DEPARTURE B75010 BEARING S46°E ULTIMATE DEPTH ~~475'~~ 499'
 ELEVATION SWAMP NEVER DIP -50° PROPOSED DEPTH 500'

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD S	SLUDGE GOLD S
0-94	CASING				
94-119	GNEISS, weathered, hematite brown staining throughout. Slight browniness at upper horizon. Numerous barren white carbonate inclusions and cementing material.				
119-302	GNEISS, grey, very siliceous, generally massive. Vague gneissosity - otherwise as specifically noted below.				
119-146	Faint 'hematite-brown' stain Numerous slips from 30-35°				
151-172.5	Grey siliceous perhaps granitic gneiss as above with 'hematite brown' staining pronounced along slips and extending to a limited extent into adjacent rock.				

N.M.P., TORONTO-STOCK FORM NO. 501 REV. 12/51

DRILLED BY Incorporated Ltd.

SIGNED F.P. Tagliamonte

DIAMOND DRILL RECORD

PROPERTY _____

HOLE NO. Acree 17#2

SHEET NUMBER 2 SECTION FROM _____ TO _____ STARTED _____

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD g	SLUDGE GOLD g		
119-202	<u>Gneiss, grey (granitic) - corral -</u>						
151-170.5	High staining effect in slip area. Slips from 40-50° Gneissosity @ 50° Rock massive.						
170.5-202	Grey Granitic gneiss Minor bands with pink feldspar and quartz. Predominantly felsic. Generally massive. Several slips - some parallel to core - some generally @ 30° Have gneissosity from 30°-50° where observable.						
202-219							
200-219	<u>Gneiss, grey, granitic phase.</u>						

N.M.P., TORONTO - STOCK FORM No. 801 REV. 12/51

DRILLED BY _____

SIGNED J.P.D.

DIAMOND DRILL RECORD

PROPERTY _____

HOLE NO. ARGOP 17 #1

SHEET NUMBER 3

SECTION FROM _____ TO _____

STARTED _____

LATITUDE _____

DATUM _____

COMPLETED _____

DEPARTURE _____

BEARING _____

ULTIMATE DEPTH _____

ELEVATION _____

DIP _____

PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
202-219	<u>Gneiss, gray-green</u> , Mafic phase Sugary texture. Composition: white feldspar Biotite Pyroxene Bluish green vitreous heads - olivine? Indefinite carbons.				
219-222	<u>Gneiss, gray-green</u> , siliceous, massive. Schlieren structure throughout. Composition essentially of Feldspar - white Qtz. Pyroxene? Sparse pale vitreous green and rose mineral. Biotite. Very sparse fr. py				

DRILLED BY _____

SIGNED J.P.S.

DIAMOND DRILL RECORD

PROPERTY _____

HOLE NO. ADGAP 1141

SHEET NUMBER 4

SECTION FROM _____ TO _____

STARTED _____

LATITUDE _____

DATUM _____

COMPLETED _____

DEPARTURE _____

BEARING _____

ULTIMATE DEPTH _____

ELEVATION _____

DIP _____

PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD S	SLUDGE GOLD S
250 - 275	<u>GNEISS</u> , salmon pink, fine-grained granitic, generally massive. Numerous slices of low angles to core. Indefinite contacts.				
275 - 400	<u>GNEISS</u> , gray and pink variably banded granitic gneiss. Prominent schlieren areas throughout. Variable gneissosity @ 60°. Occasional slip.				
305	Slip @ 25°				
309 - 310	Series of mafic bands @ 45° composed essentially of biotite and an amorphous vitreous pale green mineral, seld. porphy. Generally sugary texture.				
295 - 300	Mafic band as above.				

N.M.P., TORONTO-STOCK FORM NO. 501 REV. 12/51

DRILLED BY _____

SIGNED [Signature]

DIAMOND DRILL RECORD

PROPERTY _____

HOLE NO. APC 1153

SHEET NUMBER 5

SECTION FROM _____ TO _____

STARTED _____

LATITUDE _____

DATUM _____

COMPLETED _____

DEPARTURE _____

BEARING _____

ULTIMATE DEPTH _____

ELEVATION _____

DIP _____

PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$
275-400	<u>5' 10" ss, grey</u> Grossly micaceous fine sand, Very coarse with fragments of mica with some shaly massive (shaly) clay massive clay with all sand massive - most with 'hard' massive clay shaly & micaceous Massive of vfn. sparse dissem. of slip on 25°				
306-317	Bedded micaceous section slip on 40°				
317	slip on 40°				
317	slip on 25°				
355-356	Disconform section 20%+ quartz				
360-361	Thin foliated section				
361	slip on 25°				
	Given massive micaceous horizons micaceous (shaly), argillaceous? bit of a quartzite				

DRILLED BY

SIGNED

DIAMOND DRILL RECORD

PROPERTY _____

HOLE NO. ARCAD 113

SHEET NUMBER 6 SECTION FROM _____ TO _____ STARTED _____

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD %	SLUDGE GOLD %
295 - 410	GNEISS, grey pink, ^{quartz} - vaguely banded granitic gneiss.				
	38% Slip @ 15°				
415 - 435	^{gabbro} gneiss , fine grained granitic. Generally massive. Tudorite contacts. Several slips @ all angles.				
435 - 480	Gneiss, grey, pinkish phases - generally as thin pink & grey banded gneiss. Sabbian texture.				
	437m 3% Biotite hard. Sharp slip contacts @ 45°				
485 - 495	gneiss (Gneiss). Equigranular, predominantly biotite. 45% Hypidiomorphic Biotite. 15% pale green sub-vitreous mineral 10% unrecognizable. slip @ 30°				

N.M.P., TORONTO-STOCK FORM NO. 501 REV. 12/51

DRILLED BY _____

SIGNED _____

DIAMOND DRILL RECORD

PROPERTY _____

HOLE NO. Agoco 1712

SHEET NUMBER 7 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		
458.5 - 499	<u>GNEISS</u> 50% chert with rounded quartz, feldspar matrix as above						
	475.5 Quartzite (shaly) dark as above						
	530° Sharp slip contacts						
	570° Quartzite (shaly) dark as above						
	Sharp slip contacts						
	6" quartzite lens						
	Quartzite with foliation - euhedral quartz in matrix - dark purple in places						
499	<u>END OF HOLE</u>						

DRILLED BY _____

SIGNED [Signature]

DIAMOND DRILL RECORD

PROPERTY ARGOR EXPLORATIONS LTD. - PROJECT TERRANE.

HOLE No. ARGOR 20 - 1

LOCATION ARGOR 20 GRID

Started: MARCH 16th 1967

Bearing: 550°E

Latitude 2100N

Completed: MARCH 20th 1967

Dip: -50°

Departure 320W

Length: 602 *H. Stachurski*

Elevation SURFACE

Dip tests: 118'-50°, 300'-47°, 601'-47°

Logged by: *H. Stachurski B.Sc.*

Footage	Description	Sample	Footage	Width	Assays
0-118	<u>CASING</u>				
0-113	<u>OVERBURDEN</u> May include some Palaeozoic sediments.				
113-114.5	<u>PALAEZOIC SEDIMENTS</u> Buff to brownish, soft sandy limestone.				
114.5-295	<u>GARNET BIOTITE FELDSPAR GNEISS</u> Grey to pinkish grey. Gneissic banding @ 70°. Mineralogically consists of 2-15% patchy red to pink garnet, 15-20% biotite (sections chloritized) 30-40% pinkish to pale green feldspar. 20-30% light grey to grey quartz. Locally amphibole &/or pyroxene rich. Slightly fractured throughout with chlorite and locally calcitic veinlets infilling fractures. 1-2% calcite overall? Sections tending to granulite. <u>114.5-165</u> Fractured, brownish and reddish oxidized and weathered. Chloritic. <u>165-200</u> Slightly rusty and weathered in sections.				

Footage	Description	Sample	Footage	Width	Assays
	<p>193-194 Dark greenish grey. Fine grained basic dyke. Slightly fractured and rusty. Minor shearing. 1% calcite. Sharp contacts @ 50° and 60° respectively. Non magnetic.</p> <p>212.6 ½" quartz - calcite - chlorite veinlet.</p>				
295-302.5	<p><u>GARNET AMPHIBOLITE OR GRANULITE</u> Medium to coarse grained reddish grey. 30-35% red garnet. 25-30% amphibole or pyroxene. 30% quartz - feldspar. 5-10% biotite. Sections contain 2-3% fine calcite.</p>				
302.5-311.6	<p><u>MAGNETITE ZONE</u> Rands and lenses magnetite in grey siliceous host. Overall 35-40% magnetite. 10% red garnet. 10% pyroxene (coarse, patchy). 40% quartz (may include some feldspar). 2-3% fine calcite. 1-2% patchy pyrite.</p> <p>308.3-309.3 Fractured at low angle to core. Infilled with ½" quartz red hematite and minor calcite.</p>				
311.6-477	<p><u>GARNET BIOTITE FELDSPAR GNEISS</u> As above. Local pegmatitic feldspar - quartz injections.</p> <p>353.3-355.1 Pegmatitic greenish to pink feldspar - quartz vein. Fractured. 5% coarse garnet. 5% biotite. Possibly minor epidote. 3" Amphibole - epidote rich @ 354.7.</p> <p>357-358.7 3-4% fine calcite.</p> <p>358.7-367.6 <u>DYKE.</u> Dark green fine to medium grained basic dyke. Medium soft to medium hard, altered. Slightly fractured. 15% fine calcite disseminated and as veinlets. Slightly foliated @ 45-55°. Chloritic. Contacts irregular (IC about 40°). Gneisses fractured, blocky Slightly altered adjacent for 3 feet.</p>				

Footage	Description	Sample	Footage	Width	Assays
	<p><u>407-437.0</u> <u>FELDSPAR - QUARTZ PEGMATITE</u> Pink and light grey. Slightly fractured throughout. 5% patchy coarse dark mica (locally chloritized). Occasional coarse garnets. Contacts fractured and brecciated, irregular at high angles to core.</p> <p><u>433.5-434.4</u> Gneiss - possible inclusion.</p> <p><u>458-477</u> Rusty, slightly weathered, chloritized. Mainly due to fracturing along core and occasional feldspar quartz pegmatite veinlets. Well fractured parallel to core - chlorite - calcite infillings mostly between 461-473.</p>				
477-602	<p><u>GARNET FELDSPAR GNEISS</u> 25% pink garnet. 10% biotite. 5-10% pyroxene, or amphibole. 55-60% feldspar - quartz. Coarse gneissose texture. Locally granulitic. Banding @ 55-75°. Slightly fractured with chloritic infillings (very minor calcite). Locally slightly weathered due to local rusty fracturing (water bearing).</p> <p><u>530.8-533.6</u> <u>DYKE</u> Dark grey. Fine grained. Slightly sheared @ 25-35°. Sharp contacts @ 20°. 10-20% fine calcite. Occasional pyrite.</p> <p><u>533.6-540.8</u> <u>NYLONITE GNEISS</u> Highly sheared @ 20-30°. Augen texture. 10-15% garnet. 20% biotite. Occasional pyrite. Last two feet contain sheared dyke material, with bands of 15% calcite.</p> <p><u>560.5-563.5</u> Mylonitized. Sheared @ 20-45°. Chloritic.</p> <p><u>567.2-585.8</u> Rusty, fractured. Biotite largely altered to chlorite. Fractures @ low angles to core (chlorite - calcite filled).</p> <p><u>590-591.2</u> <u>DYKE</u> Dark green fine to medium grained. 20% fine calcite. sharp contacts @ 18-20°</p> <p style="text-align: center;">END OF HOLE 602'</p>				

DIAMOND DRILL RECORD

PROPERTY ARGOR EXPLORATIONS LIMITED - PROJECT TERRANE

HOLE No. G-1

LOCATION KESAGAMI LAKE - Anomaly G

Started: September 20, 1969

Bearing: 346°

Latitude 8 + 90S

Completed: September 22, 1969

Dip: -45°

Departure 0 + 70W

Length: 497'

Elevation Surface

Dip tests: 200' - 40', 500' - 37°

Logged by: H. R. Stockford

Footage	Description	Sample	Footage	Width	Assays
0-20	<u>CASING IN OVERBURDEN</u>				
20 - 125.8	<p><u>AMPHIBOLITE</u> - Dark Green. Medium grained - locally medium to coarse gr. Fresh, unweathered. tends to <u>GABBRO</u>. General weak foliation @ 60-75°. A little fine disseminated chalcopyrite and pyrrhotite scattered throughout - mostly visible with lens only. Local carbonate injection and oec. epidotic stringers. Minor chloritic alteration, possibly increasing from 59 ft. on.</p> <p>64.2 - 64.9 - Green, fine grained, andesite dike. Contacts 60° and 75°.</p> <p>70 - 80 - Increased schistosity at 70-80°. Tends to amphibole gneiss.</p> <p>80-125.8 - F-medium grained weak foliation at 75°. Occasional carbonate stringers (up to 1") and diss. carbonate. V. occ. diss. sulphides (mainly pyrrhotite) - minor cpy.</p>	3911	So - 55	5	
125.8 - 134	<p><u>SULPHIDE ZONE</u></p> <p>125.8-126 - lt. grey siliceous host. 5% fine pyrr-py.</p> <p>126-127.7 Irregular bands and patches massive sulphides - siliceous, light grey host. Fractured - possibly brecciated. Sl. banding at 70-80°. Overall 50% pyrr. 10% py. Occasional fine chalcopyrite.</p> <p>127.7-129.8 - Grey to brownish banded tuffs or seds. - f. gr., partly siliceous. 10-15% fine pyrr-py. Banded at 80°.</p>	3912 13 14	125.5-128 128-131.5 131.5-134	2.5 3.5 2.5	

H. R. Stockford

Footage	Description	Sample	Footage	Width	Assays
134-246.5	<p>129.8-131.5 - Weakly banded tuff. Partly chloritized? Occ. sulphides only.</p> <p>131.5-131.9 - As above with 15% fine py-pyrr. Silic'd host f. gr.</p> <p>131.9-132.8 - 60% pyrite in siliceous fragmented host. Minor chlorite?</p> <p>132.8-133.4 - 60% pyrrhotite, 15% pyrite. Fractured siliceous host. Partly massive sulphide. L. Contact fractured, irregular.</p> <p>133.4-134 - Greenish tuff as above. 10% fine pyrr. Banded @ 48°.</p> <p><u>METAMORPHOSED VOLCANICS (GARNET AMPHIBOLITE?)</u></p> <p>Green fine grained meta-volcanics - likely of andesitic origin. Banded, weakly foliated at 70-85°. Local white quartz stringers up to 1" wide. Minor carbonate injections parallel to banding 8-10% pink garnet. Minor sections soft, chloritic. Local epidotic stringers. 3-6% sulphides - mainly pyrr. in narrow, massive stringers parallel to banding and occasional fracture infillings. Very occasional cpy. with pyrr - e. g. at 141.5.</p> <p>134-135.4 - Green, medium soft, medium foliation at 45-70°. Tending to chlorite schist.</p> <p>164.5 - 4" white quartz.</p> <p>192.8-201.5 <u>DIKE</u> - Grey medium to coarse grained. Porphyritic. Consists of feldspar, biotite, quartz. Sl. foliated at 60-70°. Upper margin chilled. UC at 75°, LC at 70°. Occ. garnet?</p> <p>215.5 7" dark green f. gr. <u>dike</u>. Cut by mineralized fracture at 15° (pyrite).</p> <p>225-232.3 Tends to fresh ANDESITE tuffs. Occ. quartz bands. Flecks <u>chalcopyrite</u> at 229, 231, 232.</p> <p>232.3-246.8 <u>CHLORITIZED DIKE</u> - foliated, med. grained - dikes of basic material. Fleck <u>cpy</u> at 234.2. Possibly sheared. Altered <u>PYROXENITE?</u></p> <p>239.2-241.5 - ANDESITE as above. Occ. garnets. Occ cpy. flecks, with pyrr. Increasing carbonate injection.</p> <p>239.4 4" dike or inclusion at 25° - Intermediate v. fine grained. 5% fine pyrite.</p>	3915 16	134-140 140-150	6 10	

Footage	Description	Sample	Footage	Width	Assays
	245-246.5 - Several inclusions or fragments of porphyritic material.				
246.5-252.5	<p><u>CARBONATITE OR LIMESTONE (DOLOMITE)</u> Increasing amounts of carbonate in preceding rocks indicates intrusive origin. Lt. grey f-medium crystalline, foliated rock. - mainly carbonate with chloritic inclusions and/or altered mica. 2-3% magnetite. Occ. pyrr, py. No visible economic mineralization. foliation at 70-80°. <u>251-252.5</u> Increasing mafics.</p>				
252.5-264	<p><u>ANDESITE - DIKE ?</u> Green. f-grained, massive. Local fine felds. phenocrysts. Occ. pyrr. Fleck cpy. at 254. Contacts fairly sharp, at 70° 4" Carbonate rock at 258.</p>				
264-282	<p><u>ANDESITIC VOLCANICS</u> Fairly massive. Dark green. Occ. garnets, pyrr. 10% biotite? Impregnated with irregular bands and masses of carbonate. Local weak banding at 75°. Lower contact gradational.</p>				
282-314.5	<p><u>CARBONATITE?</u> Grey to light grey. Dolomitic. Much as above. Mostly "dirty" with mica partly altered to chlorite. Weak foliation at 55-70°. Locally brecciated. Small inclusions andesite up to 4" wide, 1% pyrr, occ. py. Sl. fractures at low angles. 2-3% fine magnetite. Rock contains variable amounts of very pale fibrous amphibole clusters. Pale green olivine? <u>305.4-308.8</u> Massive green grey volcanic rock.</p>	3917	295-300	5	
314.5-324.7	<p><u>FENITIZED VOLCANICS</u> Andesitic or amphibolitic rock impregnated with carbonate and associated alteration. Foliation at 75° <u>323-324.7</u> - Grey porphyritic syenite? <u>Dike</u> 1-2% pyrite.</p>				

Footage	Description	Sample	Footage	Width	Assays
324.7-386	<p><u>CHLORITIZED ANDESITE TUFF?</u> Green, weakly foliated to massive rock with variable chloritization effects. Sections very soft. Fine grained foliation at 70-75°. Sections bluish grey, gr, siliceous, with 2-3% pyrr-py. and occ. cpy. Sections less altered, with distinct tuffaceous banding.</p> <p><u>362.5 and 363.3</u> - Two $\frac{1}{2}$" siliceous, porphyritic veinlets parallel to foliation and banding, containing 2-3% <u>chalcopyrite</u> dissem.</p> <p><u>380-386</u> - Local bands harder, less altered.</p>	3918	362-363.5	1.5	
386-497	<p><u>ANDESITIC TUFF/AMPHIBOLITE</u> Green grey, well banded at 70° (locally 55°). Varies from very fine to medium coarse grained. Locally tends to biotite - amphi - schist/gneiss. Sections finely fractured. Occasional pyrrhotite - pyrite and chalcopyrite dissem. throughout - overall 1-3% sulphides. White quartz stringers up to 6" wide. 5% patchy carbonate mainly in veinlets and bands.</p> <p><u>397.8</u> - 1" and <u>398.2</u> $\frac{1}{2}$" white quartz vein.</p> <p><u>398</u> - $\frac{1}{2}$" brown vein at 60° which may be sphalerite in part. Veinlets pyrrhotite and <u>chalco</u> at 398.3 infilling fractures.</p> <p><u>399.2-399.7 and 400-400.4</u> Altered, med. carbonate, 15% pyrrhotite, occ. cpy</p> <p><u>400.4</u> 6" white quartz at 50°.</p> <p>Fleck cpy including pyrr. at 402.8.</p> <p><u>412.3</u> 5" white quartz - irregular.</p> <p><u>423.5-429</u> Finely fractured, mainly at low angles to core. 10% fine carbonate alteration.</p> <p>2-3% pyrrhotite and occ. flecks <u>chalco</u>. especially 427-427.5.</p> <p><u>426-427</u> - H. carb. alteration fracture at 15° infilled with bleached, altered material. Partly brecciated.</p> <p><u>473</u> - a few flecks <u>chalco</u>. associated with pyrr. in late chloritic, irregular fracture along core.</p> <p style="text-align: center;"><u>END OF HOLE 497'</u></p>	3919 3920	398-403 423.5-428	5 4.5	Cu Aw 30el

DIAMOND DRILL RECORD

PROPERTY ARGOR EXPLORATIONS LIMITED - PROJECT TERRANE

HOLE No. P-1

LOCATION Kesagami Lake, ANOMALY P Started: August 25, 1969

Bearing: N 20° E

Latitude L 28+00 E

Completed: August 29, 1969

Dip: -50°

Departure 2+00 S

Length: 351'

Elevation Surface Drilled AQ

Dip tests: 200' -- 53°

Logged by: HRS

Footage	Description	Sample	Footage	Width	Assays
0 - 64	<u>CASING</u> 0-62 Sand & gravel				
62 - 116	<u>META-VOLCANIC SERIES</u> Probably gneissic amphibolite & quartz-amphibolite with sections possibly derived from sediments. Green grey to med grey. Generally fine grained, locally f-med. grained. Hard, competent rock with up to 5% garnet. Gneissosity moderately well developed @ 70-90° to core. Rock probably consists mainly of amphibole, quartz & poss. felds. Sections contain crosscutting veinlets of quartz (white). Some of the lenses of quartz may be fragmental remnants. Occ. epidote? 2-4% disseminated pyrrhotite -- generally conformable to banding in host rock & commonly associated with garnet.				
116-154	<u>ALTERED, MINERALIZED ZONE</u> 116-120.5: Grey, very fine grained host -- hard siliceous to med soft, <u>sericitized??</u> -- Fine amphibole needles, quartz, biotite/chlorite appear to be main constituents. 2-3% pale pink garnet. Generally a little diss. pyrrhotite, except from 116.5 - 118.5 (overall 15%) -- mainly fracture infillings in fine, <u>Mylonite</u> host -- siliceous & chlorite. 117.0 4' 40-50% pyrrhotite. Minor pyrite is present in coarse blobs. Prob. old fault @ 117.8. Foliation @ 75-85°.				

H. H. Stronach Eng.

Footage	Description	Sample	Footage	Width	Assays
	Rock is bleached, possibly mylonitized to 120.5. Host rock likely intermediate volcanic -- eg., trachytic tuffs?				
	<u>120.5-133.2:</u> Host rock grey, less alt'd., f-grained meta-tuff? flecked with pink garnet & buff coloured sphene or possibly sphalerite? Occ. grey metallic flecks could be graphite or galena (very fine). Banded @ 70°. Local bands chloritic. Local granitic stringers.	3882	116 - 120	4	Cu .02 Zn .05 Ni .01
		83	120 - 125	5	Tr. .01 Tr.
		84	125 - 133	8	Tr. Tr. Tr.
		85	<u>133 - 140</u>	7	.01 .01 .01
	<u>132.5:</u> 1/2" quartz-tourmaline? stringer @ 15° 20% pale buff mineral (sphene or sphalerite?).	86	140 - 150	10	Tr. .02 .01
	<u>133.2-139.5: Massive Sulphides</u> Heavily mineralized with pyrrhotite (60-70%) & pyrite (10-20%). Siliceous breccia host -- also fragments amphibole rich & garnet rich -- locally chloritic. UC 65° (ii) LC irreg., very steep. Very occasional chloritic fractures @ 25-35°.				
	<u>139.5-154:</u> Strongly banded zone with stringers pyrrhotite & pyrite parallel to foliation (70-88°). Overall 15% py-pyrr. Grey fine grained host -- bands dark green amph-chlorite rich. Accessory pink garnet & poss. some epidote.				
154 - 184	<u>SHEARED GARNET AMPHIBOLITE</u> Dk. green & grey, well banded rock probably derived from volcanics or sediments. Consists of dark green gneissose amphibole interbanded with grey siliceous & feldspathic bands at 75-90° to core. 5-8% pale pink garnet. 2-3% pyrite & pyrrhotite to 160, thereafter decreasing to occasional only.				
	<u>155.2:</u> 3" Quartz 1-2% diss py-pyrr.				

Footage	Description	Sample	Footage	Width	Assays
154 - 184 (continued)	<p><u>156.2-158: Dike</u> Grey, fine grained, locally porphyritic -- diorite? --felds, amphibole, biotite. 1-2% pyrr. Occ. buff mineral seen earlier in hole. Sharp contacts -- steep, irregular.</p> <p><u>168.8-169.5: Dike</u> Med. grained, porphyritic diorite. Contacts hazy, irregular, about 60°.</p>				
184 - 225.5	<p><u>SHEARED META-SEDIMENTS OR VOLCANICS</u></p> <p>Lt. grey fine grained siliceous meta-sediments -- could be sheared acid volcanics. Strong gneissosity @ 75-90°. Competent, hard rock. Consists of quartz/felds., biotite (chlorite), amphibole/pyroxene minor pale pink garnet. Possibly minor white sericite. Occ. pyrite/pyrr. Epidote? Local bands garnet amphibolite up to 6" wide.</p> <p><u>145.5-187.5: Lt. green dike or inclusion conformable to gneissosity. med soft, chloritized. 1" pink Qtz-felds. pegmatite veinlet cuts obliquely across upper contact.</u></p> <p><u>219.8: Fleck chalcopyrite in gneiss.</u></p> <p><u>223.5: 8" grey-green dike f-med. grained, altered.</u></p>				
225.5 - 351	<p><u>INTERMEDIATE TO ACID META-VOLCANICS (TUFF-AGGLOMERATE SERIES?)</u></p> <p>Grey to greenish grey, fine grained, hard rock. Moderate to weak gneissosity @ 65-85°. White feldspathic & siliceous pseudo "fragments" varying in size from 1/16" to 3" scattered throughout. Rock consists mainly of quartz, felds, amphibole, biotite, occ. pink garnet. Occ. pyrite & pyrrhotite. Possibly minor epidote. Occ. garnet amphibolite bands. No definite upper contacts.</p>				

Footage	Description	Sample	Footage	Width	Assays
225.5 - 351 (continued)	<p><u>250-251</u>: Several pink pegmatitic felds-quartz stringers up to 1/2" across at irregular angles. Fleck <u>chalcopyrite</u> @ 251.</p> <p><u>294.5-295.7</u>: <u>Pegmatite vein</u>. Sharp contacts -- UC @ 80° LC @ 60°. Consists of salmon pink feldspar, minor quartz. 25% pale green to colourless mica. Occ. garnet, pyrite.</p> <p><u>319-322.5</u>: Tending to <u>garnet amphibolite</u> -- last 2" epidotic.</p> <p><u>326.5-327.7</u>: Very fine grained quartz-amphibolite or <u>dike</u>. 2% pyrite.</p> <p><u>329-331</u>: Granite gneiss? 2% diss. pyrite.</p> <p><u>348-351</u>: Patchy green epidotic alteration?</p>				
	<p><u>END OF HOLE 351'</u></p>				
	<p><u>Legend</u>: UC: upper contact (i) LC: lower contact (ii)</p>				

83.1-46

DIAMOND RECORD

NAME OF PROPERTY ARGON EXPLORATIONS LIMITED Project terrane
 HOLE NO. _____ LENGTH 705'
 LOCATION KESAGAMI LAKE ANOMALY "B"
 STATION L 22+00 E DEPARTURE 1+50 N
 ELEVATION Surface AZIMUTH 010° (N10°E) DIP -50°
 STARTED September 28/69 FINISHED October 4, 1969

DEPTH	AZIMUTH	FOOTAGE	DIP	AZIMUTH
200	0°			
600	37°			

HOLE NO. B-1 SHEET NO. 1
 REMARKS _____
 LOGGED BY H. R. Stockford

FOOTAGE FROM	DESCRIPTION	SAMPLE			ASSAYS				
		NO.	% SULPH IDES	FOOTAGE FROM TO TOTAL	%	%	OZ/TON	OZ/TON	
0	196	<u>CASING IN OVER BURDEN</u> Gravel							
196	214.8	<u>PARS. OLITE</u> Med. coarse grained, weakly foliated and chloritized rock. Weakly foliated @ 60° probably a magmatic product derived from gabbro. Occ. siliceous veins. Consists mainly of chlorite, amphibole, feldspar with occ. garnet oxidized Fe.							
214.8	228.5	<u>BASIC DIKE</u> Green grey, fine and f-med. grained, massive -- Occ. py, pyrr, trace cpy. UC 60°, IC 60° biotitic.							
228.5	237.3	<u>MAGNETIC IRON FORMATION</u> Thinly bedded well banded, grey & green. Banding varies from locally contorted. Magnetite and fine siliceous material interbanded with green epidotic, chloritic and ferrous seds. or tuffs. Sections high in biotite. Generally 25% magnetite except in dike. <u>230.7-234.8: (ULTRA) BASIC DIKE</u> Green, f-med. grained with amphibole phenocrysts. 1% py, pyrr. and occ. cpy. Sl. foliation at 60° parallel to U contacts.							

H. R. Stockford
S. Eney

ANGRIDGE LIMITED, 106 RICHMOND STREET WEST, TORONTO, ONT. EM. 6-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Argor Explorations Limited: Project Terrane
 HOLE NO. B-1 LENGTH 705'
 LOCATION Kesagami Lake Anomaly "B"
 LATITUDE L 22+00 E DEPARTURE 1+50 N
 ELEVATION Surface AZIMUTH 010° (N10° E) DIP -50°
 STARTED September 28/69 FINISHED October 4, 1969

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
200	50°				
600	37°				

HOLE NO. B-1 SHEET NO. 2

REMARKS _____

LOGGED BY H. R. Stockford

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			% Cu.	% Ni.	% Zn.	OZ./TON Au.	% Fe
					FROM	TO	TOTAL					
237.3	281	<p><u>SEDIMENTS OR TUFFS - MINERALIZED</u></p> <p><u>237.3-238</u> : Well banded garnet, chlorite, epidote rock. 5% pyrr, py. in bands @ 75°.</p> <p><u>238-</u> : Brownish to light grey, banded, f-grained seds. or tuffs, becoming more siliceous from 242.5 on. Bands @ 70-75°. Local bands biotite up to 1/2". Overall 5% dissil carbonate -- spotty. 5-8% pale pink garnet.</p> <p><u>238-242.5</u>: 2-3% py, pyrr. stringers and dissem.</p> <p><u>242.5-</u> : 5-8% diss. py, pyrr. and occ. stringers massive up to 1/4" wide. Locally epidotic? 2-3% streaks non magnetic Fe oxide? Possibly a little dissem. pale sphalerite and occ. cpy. Sections definitely resemble fine trachytic agglomerate or tuff. Siliceous "fragments" up to 1/2" wide, eg., at 269.0 -- elongated</p> <p><u>272.8-277.5</u>: ANDESITE DIKE Green, f. grained massive.</p> <p><u>277.5</u>: 6" white fractured qtz. 2% py.</p>										
281	320.8	<p><u>GRAPHITE-SULPHIDE-SHEAR ZONE WITH MINERALIZED PORPHYRY DIKES</u></p> <p>Black to grey to greenish shear zone -- colour depending on graphite content. Well banded, sheared @ 45-75°. Sections fractured. Host is likely siliceous grey sediments. Overall 10-12% pyrite, 5% pyrrhotite and very occ cpy., but locally sulphides are almost massive.</p>	3921		242.5	250	7.5'	0.01	--	0.02	Nil	--

LANGRIDGE LIMITED, 105 RICHMOND STREET WEST, TORONTO, ONT. EM. 6-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Argor Explorations Limited: Project Terrane
 HOLE NO. B-1 LENGTH 705'
 LOCATION Kesagami Lake Anomaly "B"
 LATITUDE L 22+00 E DEPARTURE 1 + 50 N
 ELEVATION Surface AZIMUTH 010° (N 10° E) DIP -50°
 STARTED Sept. 28, 1969 FINISHED October 4, 1969

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
200	50°				
600	37°				

HOLE NO. B-1 SHEET NO. 3
 REMARKS _____
 LOGGED BY H. R. Stockford

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE		Cu.	Ni.	% Zn.	oz./TON Au.	% Fe.
					FROM	TO	TOTAL				
		287-289: Sheared, contorted, chloritic slickensiding and qtz. inclusions -- <u>FAULT ZONE</u>									
		300.2-301: Green grey f-med gr., massive rock -- could be intrusive. 5% pyrite in coarse blobs.									
		301-302: 50% pyrite -- siliceous fragmental and graphitic host. Sl. vuggy	3922		300	302.5	2.5	0.03	0.02	0.06	Nil --
			23		302.5	312	9.5	Tr.	--	--	Nil --
			24		312	316.5	4.5	0.04	0.02	0.19	Nil --
			25		316.5	318.5	2.0	0.04	0.02	0.03	Nil --
		302.5-312, 312.9-314.5: <u>PORPHYRY DIKES</u> Med grained, grey porphyritic dikes with qtz-felds. phenoc. Sl. altered throughout. 3-5% diss. py/pyrr with very occasional chalcopyrite. Contacts sharp and steep (75°).									
		309: 1/4 - 1/2" fracture @ 10° infilled with massive pyrite, qtz., etc.									
		312-312.9, 314.5-316.7: Black to grey graphitic zone with 10% pyrr in stringers -- 3% pyrite.									
		316.7-320.8: <u>PORPHYRY DIKE</u> -- as above but mostly finer grained, more altered, esp. in first 1 ft., which is very siliceous and contains 10% pyrite and 10% pyrr. and possibly a little pale sphalerite?									
320.8	382	<u>ANDESITE</u> Green, fine and f-med grained, massive; local pink garnet accumulation, epidote with local very weak fol'n @ 80°.									

LANRIDGE LIMITED, 106 RICHMOND STREET WEST, TORONTO, ONT. EM. 6-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Argor Explorations Limited: Project Terrane
 HOLE NO. B-1 LENGTH 705'
 LOCATION Kesagami Lake ANOMALY "B"
 LATITUDE L 22 + 00 E DEPARTURE 1 + 50 N
 ELEVATION Surface AZIMUTH 010° (N 10° E) DIP -50°
 STARTED Sept. 28, 1969 FINISHED October 4, 1969

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
200	50°				
600	37°				

HOLE NO. B-1 SHEET NO. 4

REMARKS _____

LOGGED BY H. R. Stockford

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			% Cu	% Ni	% Zn	OZ/TON Au	% Fe
					FROM	TO	TOTAL					
320.8	382	(continued) Occ. bluish siliceous streaks containing a little dissem. pyrr. (generally less than 2%). Probable flow with occ. vesicles or phenocrysts. <u>338.5</u> : 1" fracture zone filled with massive pyrite. <u>343-346.8</u> : Grey porphyry dike. Sharp contacts @ 75°. Occ. py. <u>358.5-363</u> : Med-coarse <u>PYROXENITE DIKE?</u> Weakly magnetic, 3-4% dissem. pyrr. Contacts indistinct. Concentrations of garnet, epidote, pyrr. in last 6" -- fine mineralization continues to 364'. <u>368-378.5</u> : Becoming altered, slightly fractured and bleached, with local quartz inclusions and streaks of porphyry. Occ. sulphides in stringers. <u>372</u> : 4" irreg. fracturing, siliceous and pyritic infilling, with garnet, chlorite. <u>378.5</u> : 18" v. fine grained, dk. grey material which encloses a 2" porphyry veinlet. 2% fine pyrr.	3926		358.5	364	5.5	0.02	0.01	--	Nil	--
382	400.4	<u>AMPHIBOLITE/ALT'D ANDESITE</u> Green grey, f-med. grained. Slightly sheared @ 70-85°. Locally chloritized and slippy (eg 2" @ 387.5 and 2 ft. @ 395 -- poss. small faults) -- slickensided. Generally blocky to 400'. Occ. sulphides only. Sections relatively massive, andesitic.										

LANRIDGE LIMITED, 105 RICHMOND STREET WEST, TORONTO, ONT. EM. 6-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Argor Explorations Limited: Project Terrane
 HOLE NO. B-1 LENGTH 705'
 LOCATION Kesagami Lake ANOMALY "B"
 LATITUDE L 22 + 00E DEPARTURE 1+50 N
 ELEVATION Surface AZIMUTH 010° (N 10°E) DIP -50°
 STARTED Sept. 28/69 FINISHED Oct. 4/69

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
200	50°				
600	37°				

HOLE NO. B-1 SHEET NO. 5

REMARKS _____

LOGGED BY H. R. STOCKFORD

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Cu.	Ni.	% Zn.	OZ./TON Au.	% Fe.
					FROM	TO	TOTAL					
400.4	497.5	<p><u>BASIC DIKE (SHEARED)</u></p> <p>Green med. coarse grained intrusive, weakly foliated @ 60-75°. Diorite or possibly gabbro derivative, locally dioritic. Consists mainly of amphibole, feldspar, biotite and poss. quartz -- very occ. py, pyrr, cpy only.</p> <p>Several fleck CHALCOPYRITE at 458'.</p> <p><u>458.8-463.5: ACIDIC INTRUSIVE</u></p> <p>Grey, med grained, granitic rock. Local fine siliceous fractures. Quartz - feldspar - biotite. Slightly porphyritic & generally resembles PORPHYRY dikes earlier in hole.</p> <p><u>469.8-497.5: Much finer grained (f-med). Generally massive.</u></p> <p>Occ. flecks cpy., pyrr throughout. Sl. pale green alteration adj. fractures. Become very fine grained in last 5'. Contact indistinct & could be at 495'.</p> <p><u>495-497.5: fine grained, banded @ 650</u></p> <p>Possibly andesitic country rock.</p>										
497.5	502.4	<p><u>(SULPHIDE ZONE)</u></p> <p>Patchy disseminated pyrrhotite (2-8%), and occasional bands massive pyrite up to 1" wide in grey to dark grey sedimentary rock? --banded @ 70-85°. Possibly minor graphite? Very fine grained. 15% pale garnet in first foot. Occ cpy, particularly associated with pyrite in 1" massive band @ 502'.</p>	3927		497.5	502.5	5	0.02	0.02	0.08	Nil	--

LANGRIDGE LIMITED 106 RICHMOND STREET WEST, TORONTO, ONT. EM. 6-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Argor Explorations Limited: Project Terrane

HOLE NO. B-1 LENGTH 705'

LOCATION Kesagami Lake ANOMALY "B"

LATITUDE L 22+00 E DEPARTURE 1+50 N

ELEVATION Surface AZIMUTH 010° (N10° E) DIP -50°

STARTED Sept. 28/69 FINISHED Oct. 4/69

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
200	50°				
600	37°				

HOLE NO. B-1 SHEET NO. 7

REMARKS _____

LOGGED BY H. R. Stockford

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
608	705	<p><u>Cont'd.</u></p> <p><u>646-651</u>: Softer, slightly chloritized</p> <p><u>654.5-658</u>: Medium grained.</p> <p><u>692-705</u>: Medium grained, sl. altered & weakly foliated @70-80°. Occ. qtz. incl. Possibly basic dike but indistinct contact. Flecks <u>CPY</u> @ 704 feet.</p> <p style="text-align: center;"><u>END OF HOLE 705'</u></p>									

LANGRIDGE LIMITED, 105 RICHMOND STREET WEST, TORONTO, ONT. EM. 6-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Argor Explorations Limited: Project Terrane
 HOLE NO. B-2 LENGTH 697'
 LOCATION Kesagami Lake ANOMALY "B"
 LATITUDE 24+00E DEPARTURE 7+00S
 ELEVATION Surface AZIMUTH N10°E DIP -50°
 STARTED Oct. 6, 1969 FINISHED October 10, 1969

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. B-2 SHEET NO. 1
 REMARKS _____
 LOGGED BY H.R. Stockford

LANGRIDGE LIMITED 106 RICHMOND STREET WEST, TORONTO, ONT. EM. 6-1168

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			% Cu.	% Ni.	% Zn.	Au. OZ./TON	% Fe
					FROM	TO	TOTAL					
0	116	<u>CASING IN OBERBURDEN</u>										
116	591	<p><u>METAMORPHOSED VOLCANICS - GARNET AMPHIBOLITE?</u> Green to grey green, fine and f-med grained intermediate to basic rock. Probably derived from andesitic material, but could be meta-sediments in part. Moderately well banded at 70-80°. 10% pale pink garnet - fine to coarse crystals often in bands and locally massive. Occ. fine green epidote? Occasional pyrite, pyrrhotite (possibly up to 1-2%), mainly in narrow stringers and blobs. Local white quartz inclusions and veinlets up to 4" wide. Patchy bands magnetite, up to 35% over 6" max. widths. e.g. 6" at 143' - 20% - may be intermixture of sed. Iron formation - overall 10%? to 320'. Generally competent rock.</p> <p><u>189.3-197</u> Dark green, med. coarse grained, <u>BASIC DIKE</u> mainly amph/pyrox and biotite. Partly chloritized. Contacts broken but appear to be steep (about 70°).</p> <p><u>208.5-220.5</u> General increase in magnetite bands - overall 15-20%? 2-3% py.</p> <p><u>231-242.5</u> <u>PORPHYRY DIKE</u>. Grey. Medium to coarse grained, porphyritic. U.C. 55° L.C. 70°. 2-3% diss. py. V. occ epidotic fractures. Quartz/feldspar phenocrysts up to 1/2".</p> <p><u>248</u> 5" 30% magnetite in fine bands.</p>	3929		215.5	220.5	5	Tr.	--	--	--	20.3

H. R. Stockford

DIAMOND DRILL RECORD

NAME OF PROPERTY Argor Explorations Limited: Project Terrane
 HOLE NO. B-2 LENGTH 697'
 LOCATION Kesagami Lake ANOMALY "B"
 LATITUDE 24+00 E DEPARTURE 7+00S
 ELEVATION Surface AZIMUTH N 10° E DIP -50°
 STARTED Oct. 6, 1969 FINISHED October 10, 1969

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. B-2 SHEET NO. 2

REMARKS _____

LOGGED BY H. R. Stockford

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			% Cu.	% Ni.	% Zn.	OZ./TON Au.	% Fe.
					FROM	TO	TOTAL					
		<u>253:</u> 4" white quartz.										
		<u>300.5-310:</u> Altered, silicified? and finely fractured. Grey to pinkish. Possibly some dike material in part. Small silic'd fault at 302.5 at 68°. Occ. streaks and dissem. py.										
		<u>320 on:</u> General decrease in magnetite content to occ. streaks only.										
		<u>363-395:</u> Increase in quartz stringers, fine fracturing and local silicification (especially 375-400).										
		<u>428:</u> 8" Pink siliceous pegmatite; fractured.										
		<u>445.8-450.6, 453.5-457:</u> Green, sl. chloritized ANDESITE Massive. Lacking in garnet.										
		<u>507-547:</u> Local bands more massive, sl. chloritized as above. Generally well banded at 80° - Intermediate tuffs or seds. Minor pinkish silicification.										
		<u>523.4:</u> 8" Chloritized. Sl. sheared.										
		<u>524.7-528:</u> Grey PORPHYRY - as above - except occ. py. only.										
		<u>522:</u> 6" 20% bands magnetite.										
		<u>557-563:</u> Green softer. Sl. sheared and chloritic. No garnet.										

LANGRIDGE LIMITED, 106 RICHMOND STREET WEST, TORONTO, ONT. EM. 6-1188

DIAMOND DRILL RECORD

NAME OF PROPERTY Argor Explorations Limited: Project Terrane
 HOLE NO. B-2 LENGTH 697'
 LOCATION Kesagami Lake ANOMALY "B"
 LATITUDE 24+00E DEPARTURE 7+00S
 ELEVATION Surface AZIMUTH N 10°E DIP -50°
 STARTED Oct. 6, 1969 FINISHED October 10, 1969

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. B-2 SHEET NO. 3

REMARKS _____

LOGGED BY H.R. Stockford

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			% Cu.	% Ni.	% Zn.	OZ./TON Au.	% Fe.
					FROM	TO	TOTAL					
591	607.5	<p>563 on: Sections massive, andesitic - Generally resembles andesite containing variable amounts of garnet which diminishes to almost nil at 591.</p> <p><u>SULPHIDE ZONE)</u> Grey green, andesitic host. 5-8% streaks and finely disseminated pyrrhotite. 10% quartz in stringers and bands parallel to banding; weak foliation at 80°, emphasized by biotite. Local sections soft, chloritized.</p>	3930		591	600	9	0.01	0.01	0.01	Tr.	--
			31		600	607.5	7.5	0.01	0.01	0.01	Nil	--
607.5	697	<p><u>(META) VOLCANICS?</u> Green grey, andesitic to trachytic material with variable garnet. Sections massive. Local quartz inclusions and quartz-chlorite filled fractures. Fine grained 1-10% garnet. Sections soft, green and chloritized. Local sl. foliation and banding at 85°. Generally 1-2% pyrr. only apart from sections below:</p> <p><u>624-630:</u> 5% pyrr. disseminations and streaks.</p> <p><u>643.6;</u> 2", and <u>648, 2"</u> and <u>694, 1"</u> black, fine grained material with 15% pyrr. streaks - possibly some fine magnetite and graphite? Trace cpy.</p> <p><u>695-697.</u> 5% fine pyrr. Sl. altered.</p> <p style="text-align: center;">END OF HOLE 697'</p>										

LANGRIDGE LIMITED, 106 RICHMOND STREET WEST, TORONTO, ONT. EM. 6-1688

DIAMOND DRILL RECORD

NAME OF PROPERTY Argor Explorations Limited: Project Terrane
 NO. D-1 LENGTH 304'
 LOCATION KESAGAMI LAKE ANOMALY "E" GRID
 LATITUDE 32 + 00 W DEPARTURE 20 + 50 N
 ELEVATION Surface AZIMUTH North DIP -50°
 STARTED Feb. 23/70 FINISHED March 1, 1970

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. D-1 SHEET NO. 1
 REMARKS _____
 (Drilled AQ)
 LOGGED BY H. R. STOCKFORD

LANGRIDGE LIMITED, 105 RICHMOND STREET WEST, TORONTO, ONT. EM. 6-1166

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
0	78	<u>CASING IN OVERBURDEN</u>								
78	128.5	<u>METAMORPHOSED VOLCANICS OR SEDIMENTS</u> Green grey, very fine grained, moderately well banded @ 65-80° -- Amphibole schist -- generally weak foliation, locally increasing to moderate. 2-4% patchy py, pyrr., as fine stringers & dissemination. Sections resemble andesitic tuff series. <u>108.2 - 109:</u> Granite inclusion or dike. Grey, med. grained 2% pyrr., py. Minor sphene?.								
128.5	162.5	<u>MINERALIZED ZONE</u> Host is amphibole schist as above. Patchy bands & stringers of heavy pyrrhotite & minor pyrite mineralization. Massive stringers vary from very fine to 8' across. - Associated with weak & patchy epidote alteration. Banding generally 70-85° but very locally down to 45° (eg. @ 146'). Local very weak hair fracturing across foliation -- eg. @ 144.5' with trace of cpy. Overall content of sulphides in zone is 5-10% mainly in bands. Occ. free quartz inclusions. Main concentrations of sulphides as follows: <u>128.5:</u> 3" 30% pyrr. 5% py.								

H. R. Stockford Eng.

DIAMOND DRILL RECORD

NAME OF PROPERTY Argor Explorations Limited; PROJECT TERRANE

HOLE NO. D-1 LENGTH 304'

LOCATION KESAGAMI LAKE - ANOMALY "E" GRID

LATITUDE 32 + 00 W DEPARTURE 20 + 50 N

ELEVATION Surface AZIMUTH North DIP -50°

STARTED Feb. 23/70 FINISHED March 1/70

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. D-1 SHEET NO. 2

REMARKS _____

(Drilled AQ)

LOGGED BY H.R. Stockford

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		% Cu	% Ni	OZ/TON	OZ/TON	% Zn
					FROM	TO					
128.5	162.5	(cont'd.)									
		<u>129.3:</u> 1" 50% py.									
		<u>135.8:</u> 1" 20% pyrr, trace cpy.									
		<u>143.5, and 144.3:</u> 2 bands 2" wide of massive pyrr. in siliceous breccia host.									
		<u>148:</u> 1" 25% pyrr., 20% py.									
		<u>153 - 153.8:</u> 60% pyrr., 5% py. Siliceous breccia host. minor chlorite.									
		<u>153.8 - 155.1:</u> Host silicified, buff coloured, 2-4% sulphides.									
		<u>155.1 - 156:</u> 20% pyrr., 5% py. in massive streaks.	3934		143.5	144.5	1	.02	Tr.		.01
		<u>156 - 162:</u> Increasing effects of granitization. 5% dissem. py - pyrr. Includes some altered granite dike material from 159 - 160.	3932		153	156	3	.02	Tr.		--
		<u>162 - 162.5:</u> 60% pyrr. Siliceous breccia host -- trace cpy in quartz @ 162.4.	3933		162	162.5	0.5	.04	Tr.		Tr.
		<u>N.B.</u> Negative dimethyl tests for above massive sulphide zones. Above mineralization satisfactorily explains EM anomaly.									
162.5	278	<u>BIOTITE GNEISS</u>									
		Increasing effects of granitization apparent -- grey, f. to med. gr. biotite-quartz-feldspar gneiss, well fol. @ 70-80°. Minor ferromagnesian in general but local concentration in bands of pyrox. or amphibole. 5-6% dissem. py to 176 ft., thereafter decreasing to 2-3% with occ. stringers. Local irregular									

LANGRIDGE LIMITED, 106 RICHMOND STREET WEST, TORONTO, ONT. EM. 6-1168

NAME OF PROPERTY Argor Explorations Limited; PROJECT TERRANE

HOLE NO. D-1 LENGTH 304'

LOCATION KESAGAMI LAKE - ANOMALY "E" GRID

LATITUDE 32 + 00 W DEPARTURE 20 + 50 N

ELEVATION Surface AZIMUTH North DIP -50°

STARTED Feb. 23/70 FINISHED March 1/70

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. D-1 SHEET NO. 3

REMARKS _____

(Drilled AQ)

LOGGED BY H. R. Stockford

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE		% Cu	% Ni	oz/TON	oz/TON	% Zn	
				FROM	TO	TOTAL						
162.5	278	(cont'd.) fracturing with siliceous infillings. Sections pinkish, porphyritic. 210 - 228: General increase in fracturing & alteration (silicification?). Local inclusions altered, porphyritic dike material or granite. Increasing muscovite. 217.5: 6" white quartz. Occ. pyr. 228. - 228.7: <u>Sulphide Zone</u> Siliceous, brecciated & sheared host. 25% pyrr., 1/2 - 1% sphalerite? 228.7 - 252: Increasing deformation, fracturing & local mylonitization. Foliation now at 50 - 65°. 233.3: 6" mainly white quartz. 252 - 278: Tends to biotite - amphibole schist -- foliated @ 60 - 75°, with lit-par-lit injection of granitic material (25 - 30%).										
			3935		228	228.7	0.7	.02	Tr.			.10
278	304	<u>GRANITE</u> Light grey, coarse grained, biotite-hornblende-granite. Massive. Locally pinkish. 2% fine pyrite. Possibly some muscovite. Local inclusions biotite schist (xenoliths?)										
		<u>END OF HOLE 304'</u>										

LANGRIDGE LIMITED 106 RICHMOND STREET WEST, TORONTO, ONT. EM. 6-1168

L 9 E

L 8 E

L 7 E

L 6 E

L 5 E

12 N

8 N

4 N

0

Base
Line

1971
Drilling

E3

Anomaly
(Walker)

1970
Drilling

E-1

E-2

83-1-46

Sketch
Showing
Location of Drill Holes
Anomaly "E"
Kesagami Lake Area

29/9/71

DIAMOND DRILL RECORD

PROPERTY ARGOR EXPLORATIONS LIMITED - PROJECT TERRANE

LOCATION KESAGAMI LAKE - Anomaly E

Latitude 12 + 00E

Departure 3 + 00S

Elevation Surface

Started: September 12, 1969

Completed: September 18, 1969

Dip tests: 150' - 53°, 500' - 56°

HOLE No. E-1

Bearing: North

Dip: -50°

Length: 694'

Logged by: H. R. Stockford

Footage	Description	Sample	Footage	Width	Assays									
0-127	<u>CASING IN OVERBURDEN</u> Sand and boulders													
127-129	<u>CASING IN BEDROCK</u>													
127-130	<u>MIXED ZONE</u> - Mixture of porphyry, grey and pink granite and banded meta-volcanics. No distinct contacts. Poss. boulders in part.													
130-153	<u>GRANITE</u> Pink, porphyritic, medium grained granite, moderately well fractured and altered. Hematitic fractures at 5-30°. 140-143 Metamorphosed sediments and volcanics. Siliceous well banded at 80°.	3887	152-155	3	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">%</td> <td style="text-align: center;">%</td> <td style="text-align: center;">%</td> </tr> <tr> <td style="text-align: center;"><u>Cu</u></td> <td style="text-align: center;"><u>Ni</u></td> <td style="text-align: center;"><u>Zn</u></td> </tr> <tr> <td style="text-align: center;">Tr.</td> <td style="text-align: center;">--</td> <td style="text-align: center;">--</td> </tr> </table>	%	%	%	<u>Cu</u>	<u>Ni</u>	<u>Zn</u>	Tr.	--	--
%	%	%												
<u>Cu</u>	<u>Ni</u>	<u>Zn</u>												
Tr.	--	--												
153-179	<u>META-VOLCANICS</u> Quartz-amphibolite or silicified andesite? Moderate banding at 70-80°. Pink to red silicified bands and occasional white quartz stringers. 1-2% disseminated pyrite. Occ. pyrr - both mainly in fine bands. Occ. flecks <u>chalcopryite</u> associated with quartz, especially at 153.5. Occasional narrow porphyritic dikes. Fracturing decreases away from granite. Silicification and red alteration decreases to 179'.													

H. R. Stockford, P. Eng.

Footage	Description	Sample	Footage	Width	Assays
179-214.7	<p><u>TRACHYTIC FLOWS & TUFFS?</u> Porphyritic, grey with white spots - possibly fragments in part. Fine grained. 1-2% diss. pyrite, pyrrhotite and occ. <u>chalcopyrite</u> Pink garnets 187-192. Sections altered, sheared at 75-80°. 198.5 flecks <u>chalcopyrite</u> in host rock and in quartz veinlet. Epidotic fracturing from 196 onwards. 200.5-202.5 - Green, altered, sheared andesite? with fine disseminated pyrrhotite.</p>				
214.7-268.5	<p><u>BANDED ANDESITIC TUFFS &/OR FLOWS</u> Green grey, fine grained. Locally silicified. 1-2% disseminated pyrite (pyrr). Banded at 70°. 223.5 - 1/2" quartz vein at 70° with flecks <u>chalcopyrite</u>. 235-268.5 - Increasing bands pale green epidotic alteration, quartz veining and shearing at 60-65°. Sections chloritized. Occ. pink garnet. Spotty pyrite.</p>	3888	196-203	7	<p><u>Cu</u> <u>Zn</u> <u>Ni</u> Tr. -- --</p>
268.5-280	<p><u>AMPHIBOLE - BIOTITE - SCHIST (AMPHIBOLITE)</u> Sheared at 70° decreasing to 50°. 2-3% pyrite. Local epid. alternations. Chloritic slickensides. 272 - 4" acid dike - 5% pyrite.</p>				
280-358.5	<p><u>ALTERED ACID FLOWS, TUFFS OR SEDIMENTS?</u> Fine grained. Light grey to buff to light green. Sections highly altered, bleached. Fractured. Numerous quartz stringers. 2-5% diss. pyrite and stringers - patchy. Increased pink to white silicification from 298 on. - also less mineralization - 1-3% py/pyrr. Banded at 40-50°. Generally well fractured. 292-294 - Highly altered, pale green dike. 300.8-303.5 PORPHYRY DIKE - 3% pyrite. Contacts at 50°. 300-325 - Looks like tuff series. 342-342.5 - 5% pyrite. Flecks <u>chalco</u> in siliceous stringers. Also flecks <u>chalco</u> in quartz at 343, 348.</p>	3889	342-348	6	.02 .07 .01

Footage	Description	Sample	Footage	Width	Assays		
					Cu	Ni	Zn
358.5-378	<u>SILICIFIED ZONE - MINERALIZED</u> Light grey, highly silicified, banded host - could be acidic flows or tuffs or seds. 5-10% fine pyrite in bands at 50-60° Quartz stringers fairly numerous - occ. <u>chalcopryite</u> , e. g. at 369' and occ. flecks to 378. <u>374.5-375.5 - Porphyritic DIORITE dike at 70°.</u>	3890	358-368	10	Tr.	--	--
		91	368-378	10	.02	.01	Tr.
378-448	<u>ALTERED ANDESITIC VOLCANICS</u> Green grey to light green (epidote). Banded at 55-70°. Fairly frequent veinlets and blobs of quartz with flecks <u>cpy</u> and pyrr, <u>chalco</u> esp. at 380.5, 382.5, 387 (several), 388, 388.5 (stringer), 389, 389.5, 394.5 (quartz + cpy + pyrr + exidote), 396.2 (qtz + cpy). <u>384-385.3 - Slippy, chloritic shear zone at 60°.</u> <u>395-425 - Strong pale green epidote alteration - tends to massive. Very weakly banded at 50-60°. Locally bleached, very pale green. Occ quartz blobs and veinlets.</u> <u>398.5-405 - 3-5% pyrrhotite and occ. flecks <u>chalco</u>. Mineralization in fine fractures.</u> <u>405-425 - 1-4% pyrrhotite, occasional chalcopryite - rest as above.</u> <u>422-423 - Chloritized, slickensided and crushed - partly <u>dike</u> small fault</u> <u>425-448 - Intermittent light green alteration as before. Epidotic bands (not well pronounced) at 50°. Very patchy mineralization - pyrr, flecks cpy, minor py. Irregular quartz veinlets continue. Overall 2-3% sulphides. Flecks <u>cpy</u> at 425.3-425.8 and a few flecks in chloritized zone from 437-438.5 (5% py).</u> N. B. <u>425.3-425.8 - chloritized, partly brecciated? A few blobs med. coarse dark brown <u>SPHALERITE</u>. Flecks cpy at 431'.</u>	3892	378-383	5	.02	.02	.02
		93	383-390	7	.04	.03	.01
		94	390-394	4	.01	.02	.01
		95	394-400	6	.01	.02	Tr.
		96	400-405	5	.01	.01	Tr.
		97	405-415	10	Tr.	.01	Tr.
		98	415-425	10	Tr.	.03	Tr.
		99	425-426	1	.01	.02	.13
		3900	426-431	5	.02	.02	.01
		3903	431-441	10	.04	.02	.02
		04	441-449	8	.01	.02	.01

Footage	Description	Sample	Footage	Width	Assays		
448-513	<u>ANDESITE</u> Green-grey, fine grained. Possible tuff banding at 40-60°. Vesicles? or fragments. 1-2% pyrite-pyrrhotite. Locally fractured.						
	<u>463.5-468</u> - Medium leight green epidotic alternation and fracturing, with quartz inclusions. 2-3% pyrr. Flecks <u>chalcopyrite</u> at 463.2, 464, 464.5, 465.2, 468.						
	<u>469.4-484</u> - Patchy green alteration as above. Fractured at low angles and parallel to core. Very occasional <u>cpy</u> flecks 1-2% py. & pyrr - mainly in fract. & stringers. Partly bx'd?						
	<u>482-484</u> - 8-10% pyrr-py. No visible cpy. Centre 6" chloritized well mineralized.	3905	463-468	5	<u>Cr</u>	<u>Ni</u>	<u>Zn</u>
	497-500. Patchy green alternation and local fracturing. Flecks <u>cpy</u> and pyrr at 498.7.	06	468-475	7	Tr.	.01	Tr.
	<u>500-511</u> Strong pale green alteration and irregular fracturing. Occasion pyrr, <u>cpy</u> especially at 507, 510.5.	07	475-482	7	Tr.	.02	.01
		08	482-484	2	Tr.	.02	Tr.
					.03	Tr.	.01
513-538	<u>INTERMEDIATE (ANDESITIC TO TRACHYTIC) VOLCANICS</u> Increasing schistosity. Weak foliation at 50°. Occ streaks pyrr, py.	3909	497-505	8			
	<u>525-526</u> - half core is irregular green porphyritic dike material.	10	505-511	6	Tr.	.02	Tr.
					Tr.	.02	Tr.
538-694	<u>ANDESITIC TUFFS & FLOWS</u> As above. Banded at 50-60°. Local pale green bleaching and alteration. Occ. sulphides. Banding increases to 70-80°. From 597 on.						
	<u>545.2-587</u> - Strong green alteration. Fractured at low angles and along core. Quartz veinlets and inclusions - occ. sulphides only.						
	<u>547.8-550.2</u> - Sheared at 60°. Chlorite-carb. alteration.						
	<u>587-596</u> - Less altered but finely fractured; competent rock.						
	<u>605.3-606.3, 607.5-608.0, 608.5-608.6</u> <u>Grey granite dikes</u> Contacts 80-90°.						

Footage	Description	Sample	Footage	Width	Assays
	<p>602-694 - 1-3% patchy py, pyrr. 624.5-628 - Well banded with pale green epid. Quartz stringers Occ. pyrite. 635.5 Small veinlet <u>chalcopyrite</u>, pyrr. Fleck <u>cpy</u> at 639.5. 641-648 - Strong pale green alteration - occasional sulphides only. 648-667 - Moderate patchy green alteration. Well fractured. Occ. py. stringers. Blocky. Locally chloritic. Slippery with probable fault at 652.5 - Blocky adjacent. 667-694 - Weakly banded at 55-60°. Blocky to 675 ft. Looks fairly fresh. 665.6 - 666.3 Pink <u>GRANITE DIKE</u>. Contacts broken.</p>				

DIAMOND DRILL RECORD

NAME OF PROPERTY Argor Explorations Limited: PROJECT TERRANE

HOLE NO. E-2 LENGTH 730'

LOCATION KESAGAMI LAKE ANOMALY "E"

LATITUDE 12 + 00 E DEPARTURE 3 + 50 S

ELEVATION Surface AZIMUTH North DIP 70°

STARTED March 3/70 FINISHED March 14, 1970

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
200'	66°				
500'	70°				

HOLE NO. E-2 SHEET NO. 1

REMARKS _____

Drilled AQ

LOGGED BY H. R. STOCKFORD

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
0	30	<u>NX CASING</u>								
0	110	<u>AX CASING IN OVERBURDEN</u> (110 - 114': Casing in bedrock)								
110	208	<u>BIOTITE - AMPHIBOLE SCHIST WITH LIT-PAR-LIT GRANITIC INJECTION</u> Grey to greenish to pink biotite-hornblende schist with increasing lit-par-lit pink granitic injection esp. from 157 - 201. Local fine fracturing, esp. in more siliceous sections, with epidote infilling. Minor quartz foliation mainly @ 70° but varies between 55 & 75°. Occ. dissem. py, pyrr, cpy. <u>110-114':</u> Weathered chloritized. Generally broken, blocky core to 148' with fracture zones oxidized. <u>117-119, 123-124, 128-130, 133-136, 146-148, Lost Core</u> <u>158 - 162:</u> <u>Granite</u> - Salmon pink, med. -to-coarse grained dike @ steep angle to core. Fractured. Quartz veinlets at low angle to core. <u>177 - 200.5:</u> Increased med. silicification & fine epidotic fractures. Fol. 45-80°. Feldspar phenocrysts or "fragments" common. <u>196 - 197:</u> <u>Diabase dike.</u> UC 60° LC 80°.								

H. R. Stockford P. Eng.

LANGRIDGE LIMITED, 106 RICHMOND STREET WEST, TORONTO, ONT. EM. 6-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Argor Explorations Limited: PROJECT TERRANE
 HOLE NO. E-2 LENGTH 730'
 LOCATION KESAGAMI LAKE - ANOMALY "E"
 LATITUDE 12 + 00 E DEPARTURE 3 + 50 S
 ELEVATION Surface AZIMUTH North DIP 70°
 STARTED March 3/70 FINISHED March 14, 1970

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
200'	66°				
500'	70°				

HOLE NO. E-2 SHEET NO. 2

REMARKS _____

Drilled AQ

LOGGED BY H. R. Stockford

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
208	226.5	<p><u>ALTERED DIKE?</u></p> <p>Grey to pinkish, f. gr. porphyritic intrusive which has been fractured, altered & sheared. Fine epidotic fractures common. 1-2% py, pyrr, & occ. cpy, in free quartz inclusions.</p>									
226.5	334	<p><u>"AMPHIBOLE SCHIST"</u></p> <p>Slightly more typical of Kesagami Lake meta-sedimentary or volcanic belt. Quartz veinlets, inclusions quite common. 1-2% py, pyrr. Pinkish silicified bands & strong fracturing across foliation apparent between 238 - 249'.</p> <p><u>246.5 - 247.5:</u> Crenulated, sheared @ 25-50°. -- strongly altered - epidote, chlorite -- probable small fault. Occ. pyrr.</p> <p><u>250 - 258.5:</u> Moderate epidotic alteration. cf. "alt'd. andesite" in hole #E-1. Weak fol. & banding @ 50-65°. Local quartz inclusions & v. occ. cpy. 1% py.</p> <p><u>258.5:</u> 2" cherty, mylonitic.</p> <p><u>258.7 - 275.5:</u> Increased fol. -- becoming gneissose. 2-3% pyrite.</p> <p><u>275.5 - 334:</u> Generally weakly foliated @ 60-75°. -- tends to "andesite tuff" or "andesite". V. fine grained, weak epidotic fracturing. May be meta-sediments. 2-3% pyrite. Local quartz bands to 2" wide. Increasing silica from 285 on.</p>									

LANGRIDGE LIMITED, 106 RICHMOND STREET WEST, TORONTO, ONT. EM. 6-1188

DIAMOND DRILL RECORD

NAME OF PROPERTY Argor Explorations Limited: PROJECT TERRANE

HOLE NO. E-2 LENGTH 730'

LOCATION KESAGAMI LAKE - ANOMALY "E"

LATITUDE 12 + 00 E DEPARTURE 3 + 50 S

ELEVATION Surface AZIMUTH North DIP 70°

STARTED March 3/70 FINISHED March 14/70

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
200'	66°				
500'	70°				

HOLE NO. E-2 SHEET NO. 4

REMARKS _____

Drilled AQ

LOGGED BY H. R. Stockford

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE		C _a .	N _i	OZ/TON	OZ/TON	% Zn.	
					FROM	TO						TOTAL
358	463	<p>(cont'd.)</p> <p>6" chloritic @ 384', 8" chloritic buttons, - minor shear @ 386' @ 55°.</p> <p>401 - 403: White phenocrysts or pseudo-amygdules.</p> <p>404 - 407: Epidotic fracturing + chlorite @ low angles to core.</p> <p>409 - 410: Several 1" bands granite conformable to fol. @ 75°.</p> <p>416 - 426: <u>Alteration Zone</u></p> <p>Pale green, deformed -- epidote chlorite alt. & numerous irreg. quartz-filled fractures mainly @ low angles to core but locally // foliation (75°). Occ. chalcopyrite associated with quartz -- eg., at 416, 418-420.5, 424: 1% f. py/pyrr?</p> <p>453 - 462: Increasing fine fractures at low angles to core. Weak to moderate chl.-epid. alteration. Occ. cpy. 1% py/pyrr.</p> <p>458: 1½" quartz stringer (irregular) with epid. alt. adj. Several flecks cpy within quartz.</p>										
463	489.2	<p><u>ALTERATION ZONE, LOCALLY MINERALIZED</u></p> <p>Pale green, intense epidote-chlorite alteration & partial brecciation of host - obliterates original rock type but probably derived from same rock as above. (Possibly andesitic derivative). Fol. - 35-70°, variable. Local quartz inclusions. Occ. cpy only. Occ. py, pyrr. Finely fractured.</p>	3936		418	420.5	2.5	.02	.02			Tr.

LANDRIDGE LIMITED, 106 RICHMOND STREET WEST, TORONTO, ONT. EM. 6-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Argor Explorations Limited: PROJECT TERRANE

HOLE NO. E-2 LENGTH 730'

LOCATION KESAGAMI LAKE - ANOMALY "E"

LATITUDE 12 + 00 E DEPARTURE 3 + 50 S

ELEVATION Surface AZIMUTH North DIP 70°

STARTED March 3/70 FINISHED March 14/70

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
200'	66°				
500'	70°				

HOLE NO. E-2 SHEET NO. 5

REMARKS _____

Drilled AQ
LOGGED BY H. R. Stockford

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			% Cu.	% Ni.	OZ/TON	OZ/TON	% Zn.
					FROM	TO	TOTAL					
463	489.2	(cont'd.) 473.5 - 475: Grey - increasing chlorite at expense of epidote. 475 - 481: Intense alteration continues. Fol. @ 50-70°. Occ. py, pyrr. Finely fractured. 481 - 483: 30% quartz & possibly some albite injected into chlorite - epidote - altered rock. Grey green. Little or no visible sulphides. 483 - 485.8: Intense alteration - grey green. Chlorite - epidote - clinozoisite rock with local quartz. Inclusions & veinlets -- Irreg fracturing. Chalcopyrite flecks quite common. 1/8" veinlet cpy/pyrrhotite @ 483.2' @ 85°. Zone is generally deformed. 4" massive pyrite band @ 485.4 @ 65°. Chloritic slip contacts. 485.8 - 489.2: Relatively massive pale green epidotic rock with free silica, minor chlorite except in last 1'. Flecks cpy @ 489' associated with quartz, pyrr. blobs.										
			3937		483	486	3	.04	.02			.01
			3938		486	490	4	Tr.	--			Tr.
489.2	629	<u>AMPHIBOLE SCHIST</u> Meta-volcanics or sediments. Fol. @ 60-85°. Typical. Very likely derived from andesitic flows or tuffs. 2-5% pyrite, pyrrhotite mainly in bands // foliation. Patchy epidotic bands with associated garnet, pyrite, decreasing from 507 onwards. Local chlorite alteration, eg. first 18" and in mineralized zones. Local white quartz veinlets & inclusions.										

LANGRIDGE LIMITED, 106 RICHMOND STREET WEST, TORONTO, ONT. EM. 6-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Argor Explorations Limited; PROJECT TERRANE
 HOLE NO. E-2 LENGTH 730'
 LOCATION Kesagami Lake - ANOMALY "E"
 LATITUDE 12 + 00 E DEPARTURE 3 + 50 S
 ELEVATION Surface AZIMUTH North DIP 70°
 STARTED March 3/70 FINISHED March 14/70

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
200'	66°				
500'	70°				

HOLE NO. E-2 SHEET NO. 7

REMARKS _____

Drilled AQ

LOGGED BY H. R. Stockford

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
489.2	692	<p>(cont'd.)</p> <p><u>611.5:</u> 5" Pink granite dike @ 45°. Minor pyrite.</p> <p><u>612 - 613:</u> Intermixture of granitic injections and host with bands massive pyrite (overall 20%). Fractured.</p> <p><u>613 - 614.4:</u> Granite Dike as above. Grey to pinkish, fractured. LC @ 45°</p> <p><u>614.9 - 617:</u> Granite Dike. Med. to coarse gr., massive. UC 60° LC 45°.</p> <p><u>620.8:</u> 8" Dike - as above but darker grey.</p>										
629	647	<p><u>FAULT ZONE</u></p> <p>Light green, med. to high degree of chloritization. Minor granitic inclusions.</p> <p><u>633.5 - 641:</u> Highly sheared (chlorite schist) @ 45-70°. Highly altered, soft. Faults @ 634' and 639 - 641' ("Button" schist).</p> <p><u>641 - 647:</u> Irregular chl-epid. alt. & fracturing. No obvious sulphide mineralization.</p>										
647	730	<p><u>AMPHIBOLE SCHIST</u></p> <p>Typical grey to greenish grey - fine to v. fine grained. Local quartz inclusions, as above. 2-3% pyrite in stringers & dissem. Fol. & banding generally 55 - 80°, but at 678 - 679.5 definite</p>										

LANSRIDGE LIMITED, 106 RICHMOND STREET WEST, TORONTO, ONT. EM. 6-1188

DIAMOND DRILL RECORD

NAME OF PROPERTY Argor Explorations Limited: PROJECT TERRANE

HOLE NO. E-2 LENGTH 730'

LOCATION Kesagami Lake - ANOMALY "E"

LATITUDE 12 + 00 E DEPARTURE 3 + 50 S

ELEVATION Surface AZIMUTH North DIP 70°

STARTED March 3/70 FINISHED March 14/70

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
200'	66°				
500'	70°				

HOLE NO. E-2 SHEET NO. 8

REMARKS _____

Drilled AQ

LOGGED BY H. R. Stockford

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
647	730	<p>(cont'd.)</p> <p>evidence of folding along core. Sections up to 1' wide green, chloritized locally.</p> <p><u>649 - 662:</u> Strongly banded with pale green epidote/grey amphibole schist layers.</p> <p><u>695:</u> 6" granite pegmatite. -- pinkish.</p> <p><u>695.5 - 699:</u> Soft light green massive chlorite rock. H. altered. Last 1" red pegmatite. Alteration may be associated with minor acid intrusives.</p> <p><u>702 - 702.5, 710 - 710.5:</u> Minor pink felds. qtz. pegmatite injection with ass'd. fracturing & minor chloritization adjacent.</p> <p><u>710 - 730:</u> Fol. mainly @ 70°.</p> <p><u>725.4 - 726:</u> light green, soft chloritized shear zone -- minor fault.</p> <p><u>728 - 730:</u> Tending to coarser amphibolite.</p> <p style="text-align: center;">- <u>END OF HOLE 730'</u> -</p>									

LANGRIDGE LIMITED, 106 RICHMOND STREET WEST, TORONTO, ONT. EM. 6-1168

DIAMOND DRILL RECORD

PROJECT

NAME OF PROPERTY ARGOR EXPLORATIONS LIMITED; TERRANE
 HOLE NO. V-1 LENGTH 250'
 LOCATION KESAGAMI LAKE ANOMALY "E" GRID
 LATITUDE 8+00W DEPARTURE 96+00S
 ELEVATION Surface AZIMUTH North DIP -60°
 STARTED February 13/70 FINISHED February 20, 1970

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. V-1 SHEET NO. 1

REMARKS _____

Core Size AQ

LOGGED BY H.R. STOCKFORD

LANGRIDGE LIMITED, 106 RICHMOND STREET WEST, TORONTO, ONT. EM. 6-1168

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE		% Cu.	% Ni	oz/ton	Au. oz/ton	
					FROM	TO					TOTAL
0	24	<u>CASING</u>									
0	17	<u>OVERBURDEN</u>									
17	95	<u>AMPHIBOLE SCHIST / AMPHIBOLITE</u> Green grey, fine to medium grained weakly schistose rock with local narrow bands and fractures infilled with garnet - epidote - carbonate alteration. Foliation @ 55-70°. Occ. pyrite, pyrrhotite. Occasional carbonate stringers up to 1" wide, e.g. @ 30.1'. <u>30.5-32: Granite Dike.</u> Tan coloured med. to coarse grained, massive. Contacts @ 80°.									
95	96.5	<u>SULPHIDE ZONE</u> <u>95-95.4:</u> 15% fine pyrite in light green epidotic host. <u>95.4-95.8:</u> Grey, f. grained silicified sediment? 2-3% py, pyrr. Banded @ 70°. <u>95.8-96.5:</u> Siliceous breccia hosting 30% sulphides (py-pyrr) overall. Includes 5" of 60% pyrr-py. 1" fractured, white quartz @ 95.9 containing numerous flecks of <u>chalcopyrite</u> . Contacts of the zone are irregular.	3668		95.8	96.5	0.7	.10	.01	.01	Nil
96.5	98.7	<u>AMPHIBOLITE</u> Weakly foliated at 70-75° -- as above. Occ. stringers & disseminations py, pyrr.									

H. R. Stockford
P. Eng.

DIAMOND DRILL RECORD

NAME OF PROPERTY Argor Explorations Limited: Project Terrane
 HOLE NO. V-1 LENGTH 250'
 LOCATION Kesagami Lake Anomaly "E" Grid
 LATITUDE 8 + 00 W DEPARTURE 96 + 00 S
 ELEVATION Surface AZIMUTH North DIP -60°
 STARTED Feb. 13/70 FINISHED February 20, 1970

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. V-1 SHEET NO. 3

REMARKS _____

Core Size: AQ

LOGGED BY H. R. Stockford

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE		Cu	Ni	% Zn XXXX	Au. oz/TON	
				FROM	TO	TOTAL					
176.5	182.0	<p>(Continued)</p> <p>177-178.3: Fractured, broken core -- probable fault. 1" massive pyrite in siliceous breccia host @ 177.5. Brown mineral @ 178.5 may be sphalerite.</p>	3670		176.5	182	5.5	.04		.16	
182.0	241.2	<p><u>METAMORPHOSED VOLCANICS OR SEDIMENTS</u></p> <p>Grey to green fine grained amphibole schist (garnetiferous) -- interbanded with grey, very f. grained intermediate tuffs or sediments (may be very fine amphibole schist). Banding @ 60-75°. Occ. fine pyrr, py. Local quartz and carbonate inclusions and bands. Minor patchy epidote associated with garnet concentration.</p>									
241.2	250	<p><u>GRANITE</u></p> <p>241.2-242: White quartz with inclusions biotite/chlorite. 1% pyrrhotite, fleck cpy.</p> <p>242-250: Med. to coarse grained, grey granite. Massive 1/2-1% pyrr. Biotitic.</p> <p style="text-align: center;"><u>END OF HOLE 250'</u></p>									

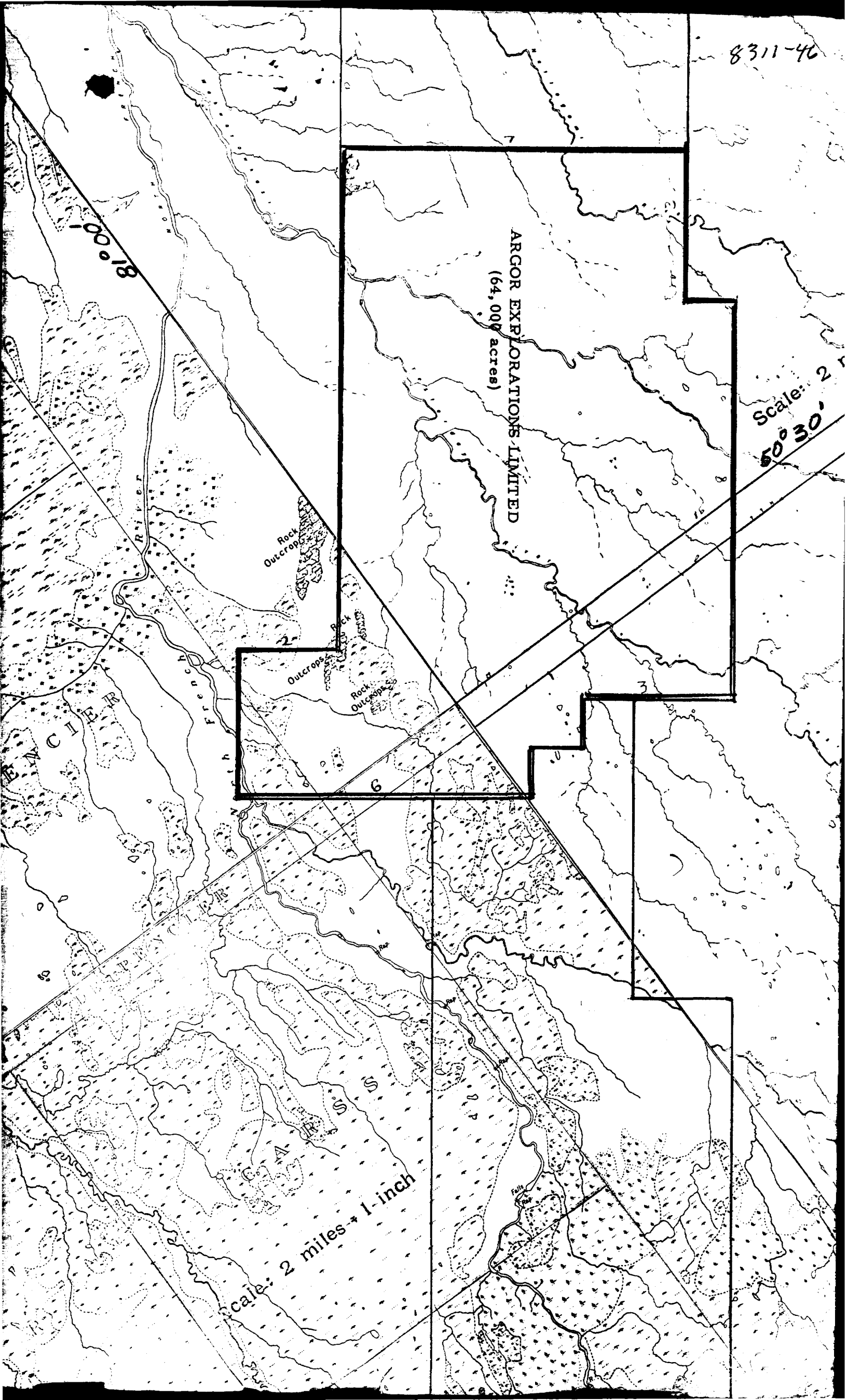
LANRIDGE LIMITED, 106 RICHMOND STREET WEST, TORONTO, ONT. EM. 6-1168

8311-46

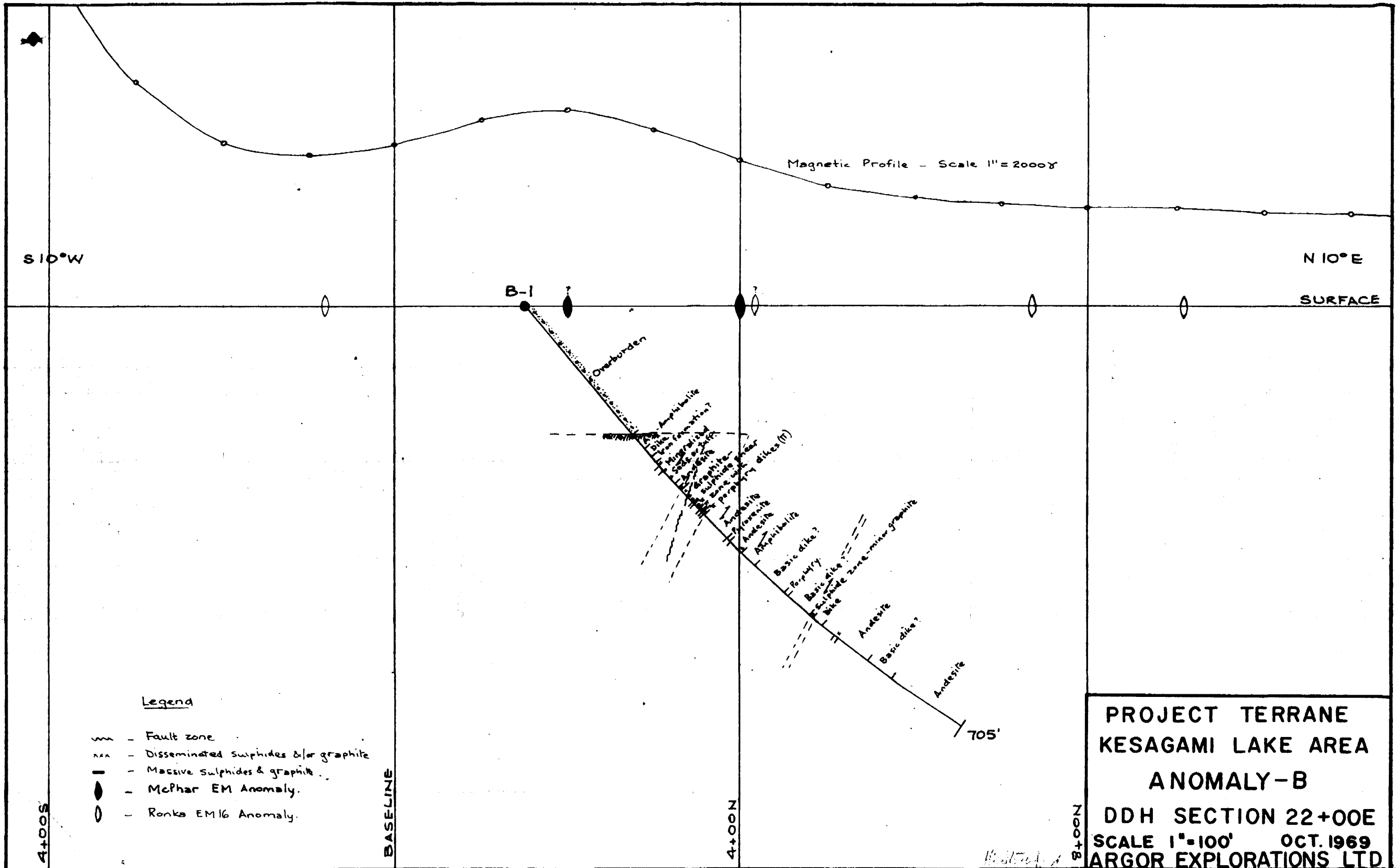
ARGOR EXPLORATIONS LIMITED
(64,000 acres)

Scale: 2" = 1 mile
50° 30'

810001



Scale: 2 miles = 1-inch



Magnetic Profile - Scale 1" = 2000'

S10°W

N10°E

SURFACE

B-1

Overburden

Amphibolite
 Dike (injection?)
 Magnetite
 Sulfide zone
 Graphite
 Sulphide zone with disseminated sulphides
 Perpeting dikes (m)

Andesite
 Porphyry
 Basic dike?
 Sulfide zone - minor granite

Andesite
 Basic dike?

Andesite
 705'

Legend

- Fault zone
- Disseminated sulphides &/or graphite
- Massive sulphides & graphite
- McPhar EM Anomaly.
- Ronko EM16 Anomaly.

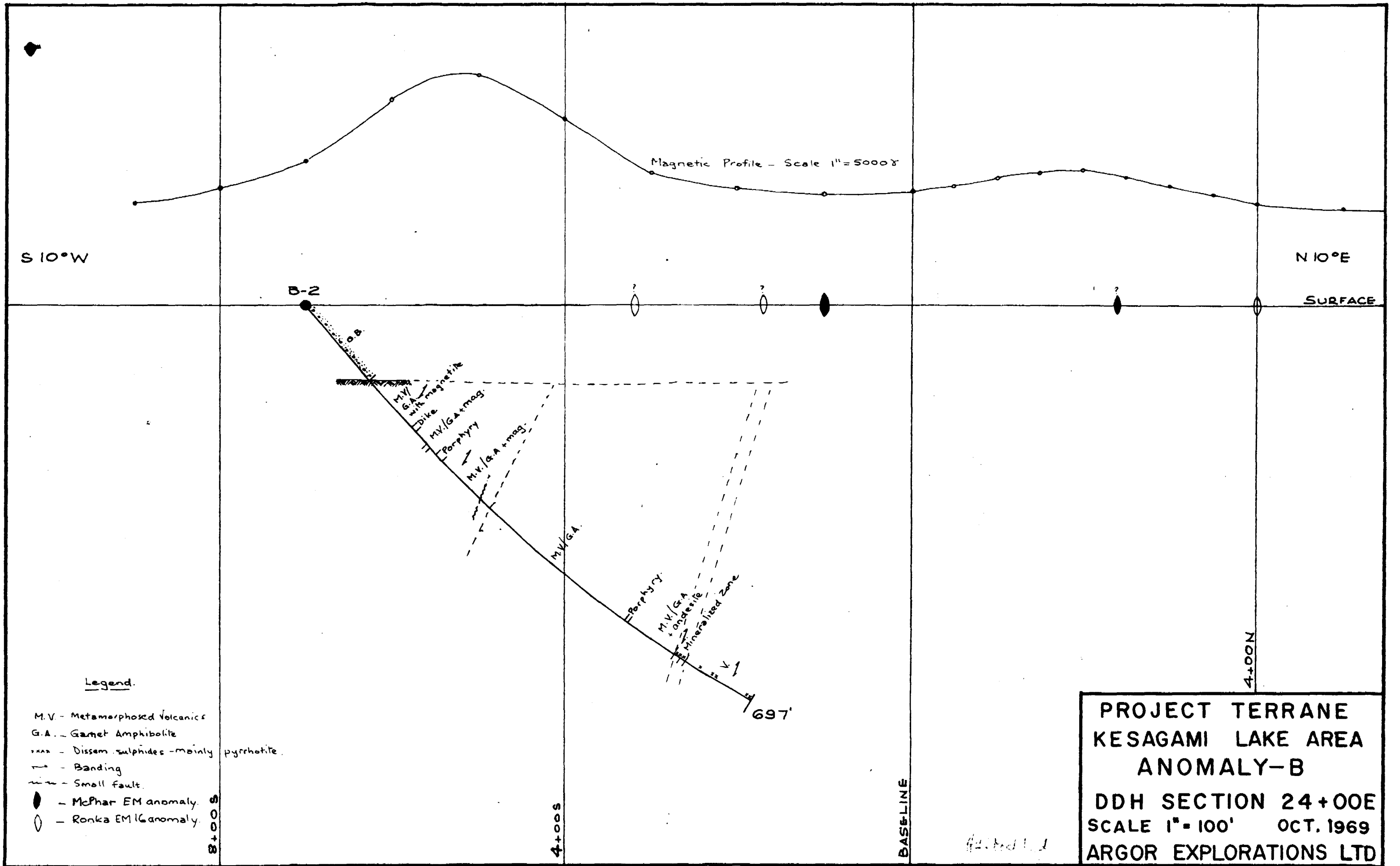
4+00S

BASELINE

4+00N

7000B

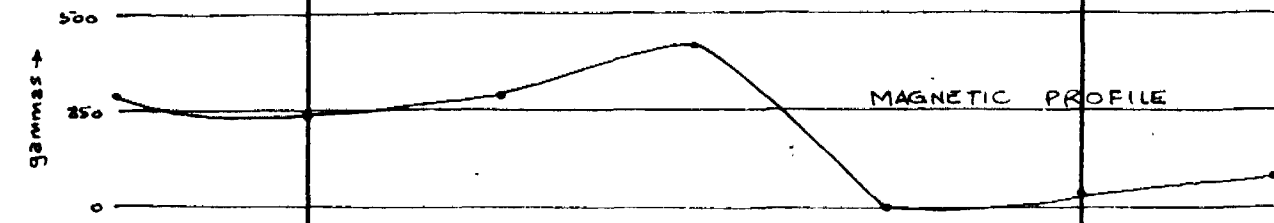
PROJECT TERRANE
 KESAGAMI LAKE AREA
 ANOMALY-B
 DDH SECTION 22+00E
 SCALE 1" = 100' OCT. 1969
 ARGOR EXPLORATIONS LTD



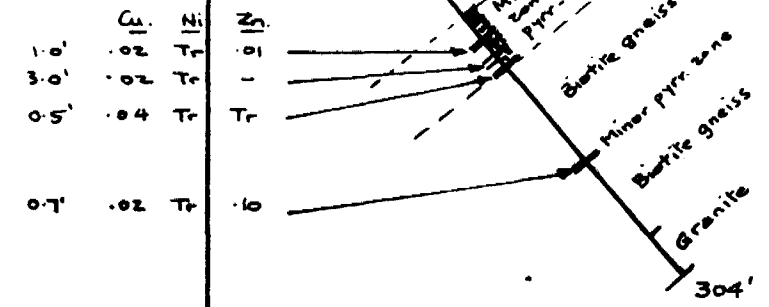
SOUTH

NORTH

SURFACE



D-1 E.M. CONDUCTOR



16+00N

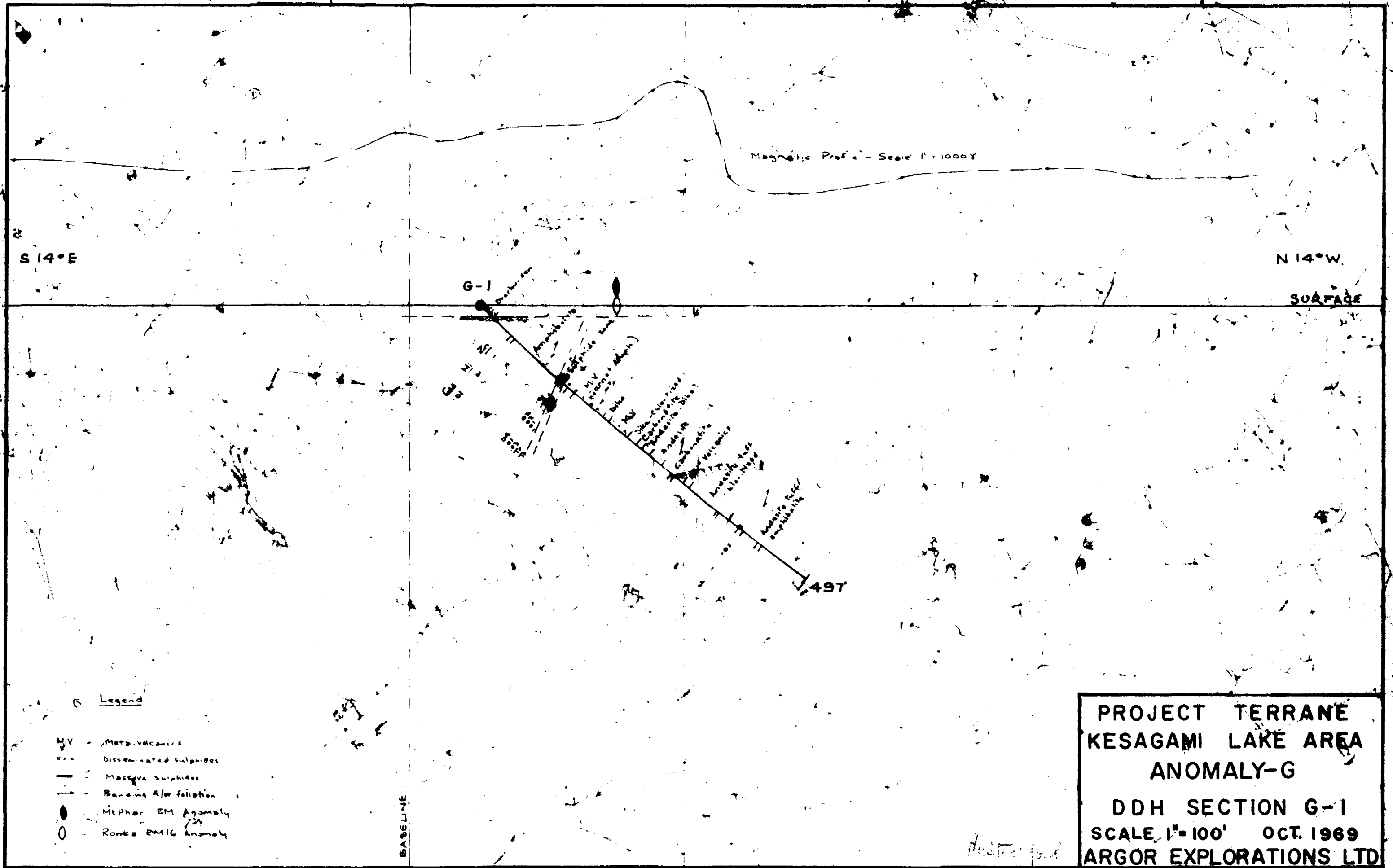
20+00N

24+00N

28+00N

PROJECT TERRANE
 KESAGAMI LAKE AREA
 ANOMALY-D
 D.D.H. SECTION 32+00W
 SCALE 1" = 100' MAR. 1970
 ARGOR EXPLORATIONS LTD.

H. Sturford



Magnetic Profile - Scale 1" = 1000 Y

S 14° E

N 14° W

SURFACE

G-1

NI

Jp

49T

Legend

- MV - Meta-volcanics
- xxx - Disseminated sulphides
- - Massive sulphides
- - Banding & foliation
- - Metaphor EM Anomaly
- - Ronde EMIG Anomaly

BASELINE

PROJECT TERRANE
 KESAGAMI LAKE AREA
 ANOMALY-G
 DDH SECTION G-1
 SCALE 1" = 100' OCT. 1969
 ARGOR EXPLORATIONS LTD

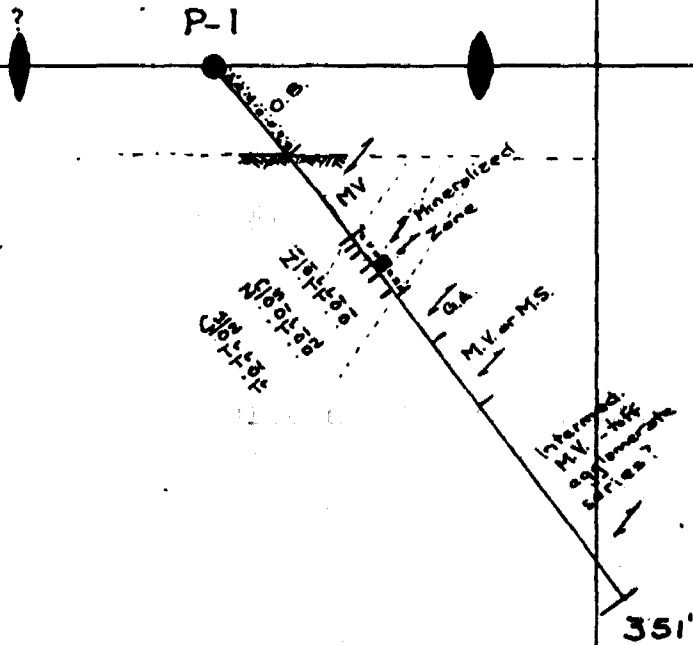
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S 20° W

N 20° E

SURFACE

Magnetic Profile - Scale 1" = 500γ



Legend.

- M.V. - Metamorphosed Volcanics.
- G.A. - Garnet Amphibolite
- M.S. - Metamorphosed Sediments
- - Disseminated sulphides
- - Massive Sulphides
- - Foliation or banding.
- - McPhar EM Anomaly.

4+00S

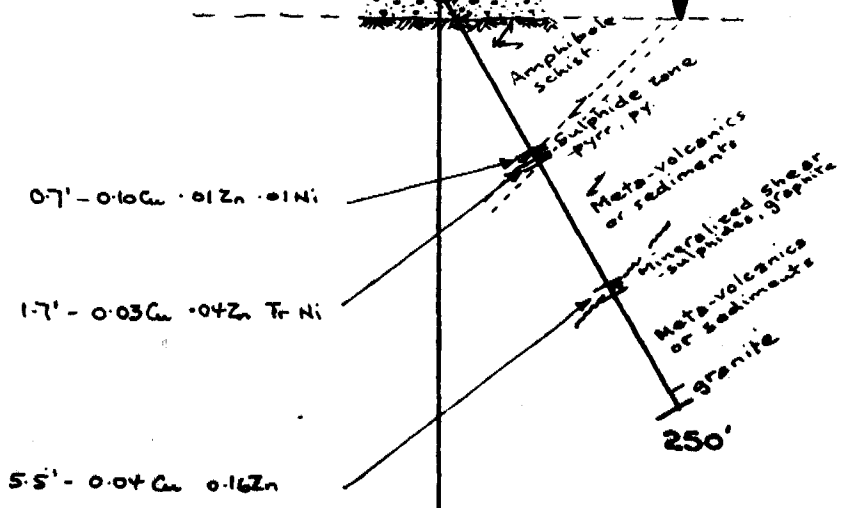
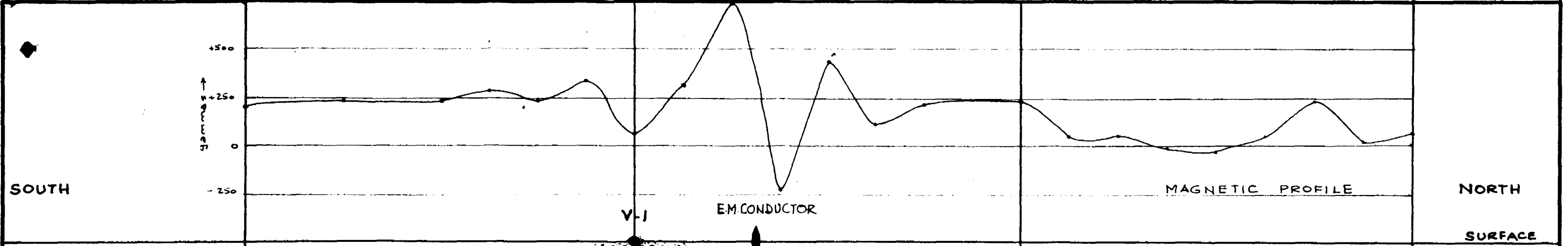
BASELINE

4+00N

4+00S

PROJECT TERRANE
 KESAGAMI LAKE AREA
 ANOMALY - P
 SECTION 28+00E
 SCALE 1" = 100' OCT. 1969
 ARGOR EXPLORATIONS LTD.

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100+00S

96+00S

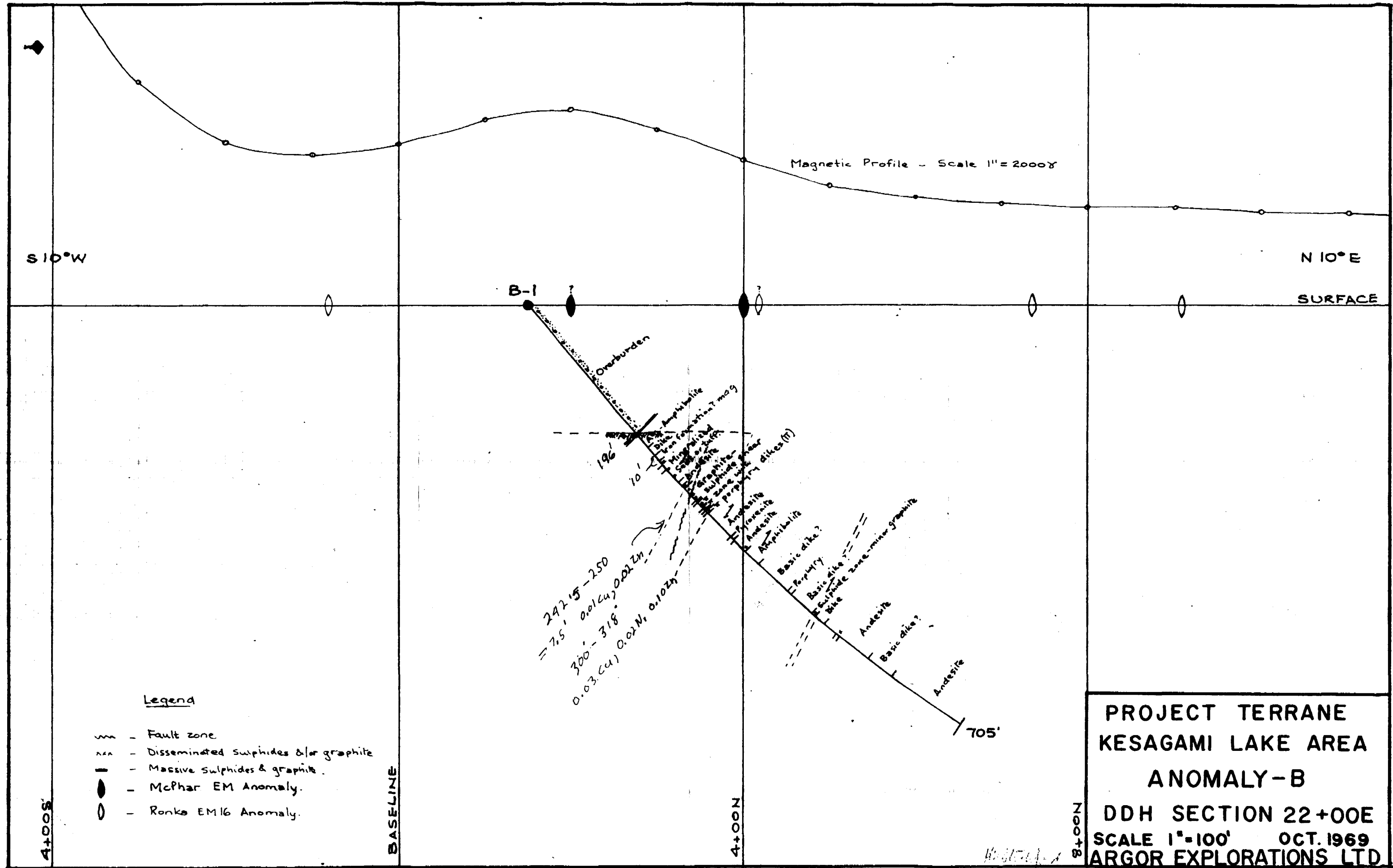
92+00S

88+00S

46
C

H. Ustach

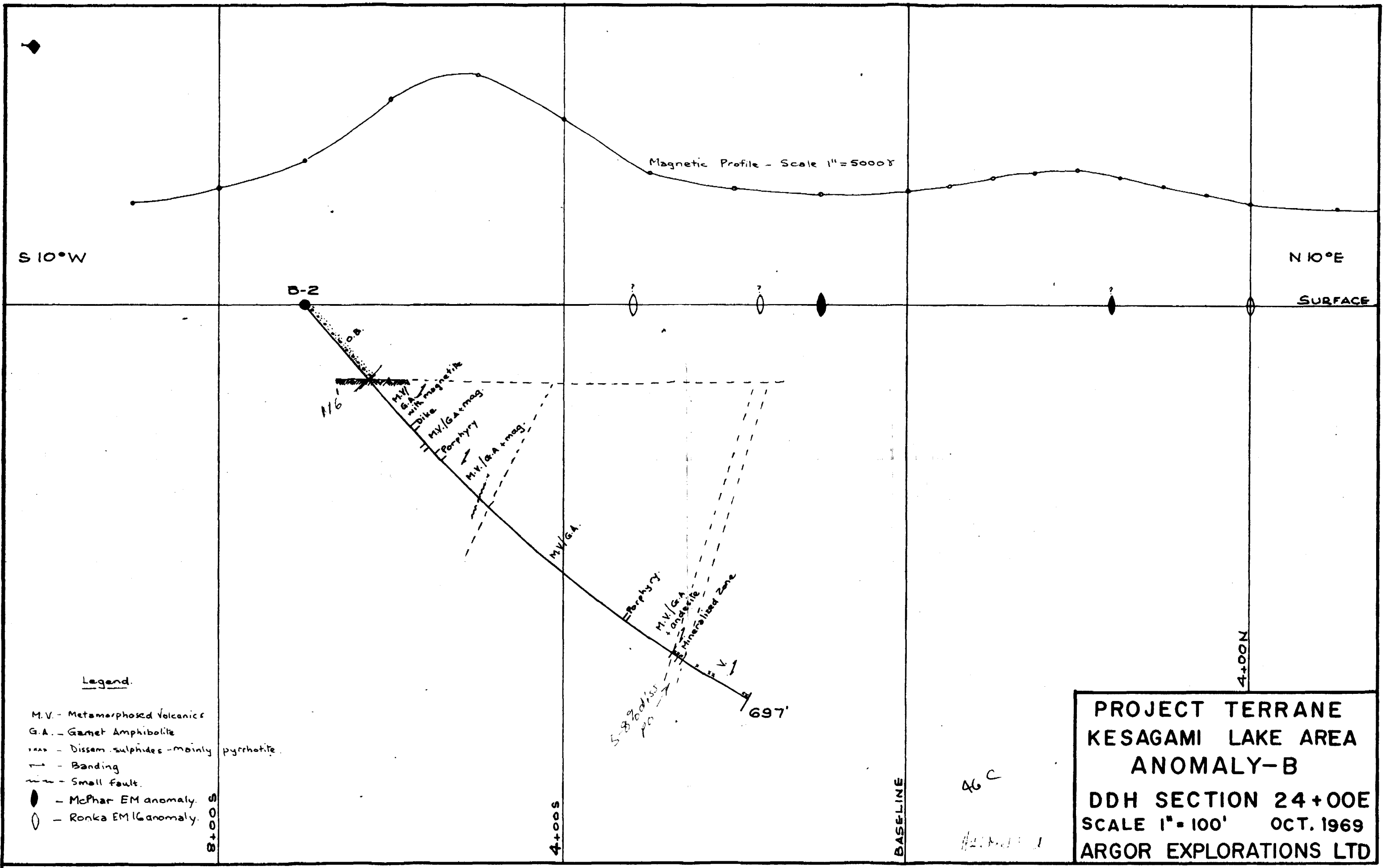
PROJECT TERRANE
KESAGAMI LAKE AREA
ANOMALY-V
DDH SECTION 8+00W
SCALE 1"=100' FEB. 1970
ARGOR EXPLORATIONS LTD.



Legend

- Fault zone
- Disseminated sulphides &/or graphite
- Massive sulphides & graphite
- McPhar EM Anomaly
- Ronke EM16 Anomaly

PROJECT TERRANE
 KESAGAMI LAKE AREA
 ANOMALY-B
 DDH SECTION 22+00E
 SCALE 1"=100' OCT. 1969
 ARGOR EXPLORATIONS LTD



S 10° W

N 10° E

SURFACE

B-2

Magnetic Profile - Scale 1"=5000γ

Legend.

- M.V. - Metamorphosed Volcanics
- G.A. - Garnet Amphibolite
- - Dissem. sulphides - mainly pyrrhotite.
- - Banding
- ~ - Small fault.
- - McPhar EM anomaly.
- - Ronka EM/G anomaly.

8+00
4+00
0+00

4+00

BASELINE

4+00

PROJECT TERRANE
KESAGAMI LAKE AREA
ANOMALY-B
DDH SECTION 24+00E
SCALE 1"=100' OCT. 1969
ARGOR EXPLORATIONS LTD

46 C

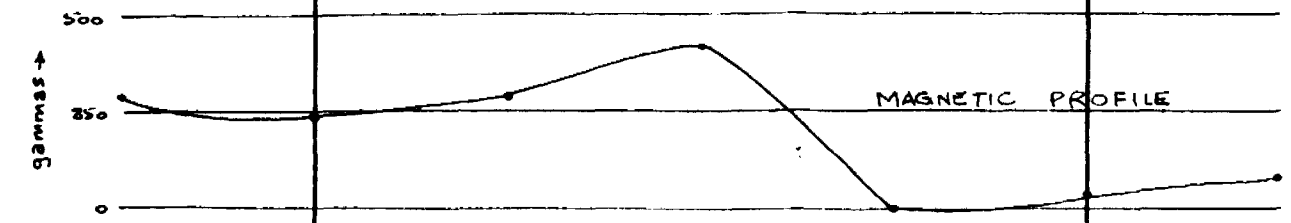
5-89001/55
PC

697'

SOUTH

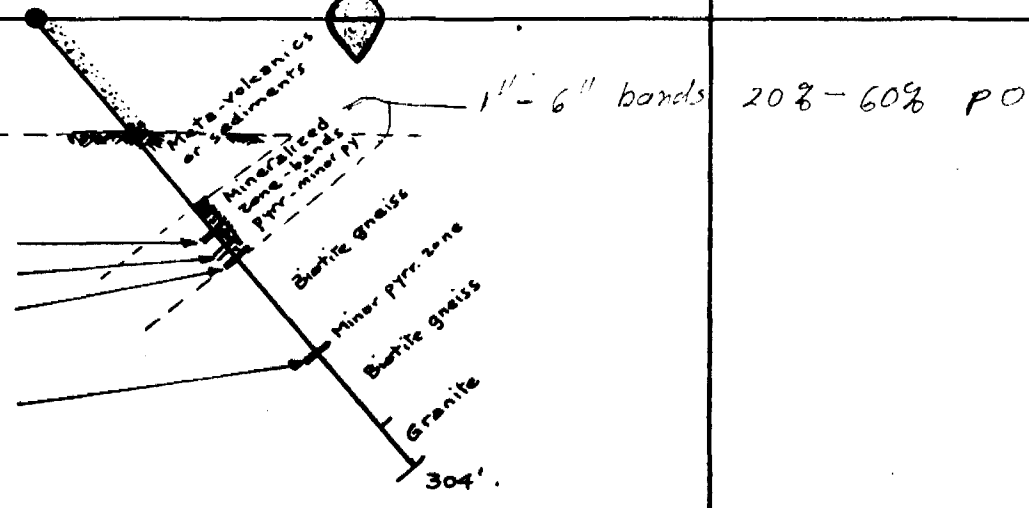
NORTH

SURFACE



D-1 E.M. CONDUCTOR

Depth	Cl.	Ni	Tr
1.0'	.02	Tr	Tr
3.0'	.02	Tr	Tr
0.5'	.04	Tr	Tr
0.7'	.02	Tr	Tr



16+00N

20+00N

24+00N

28+00N

46C

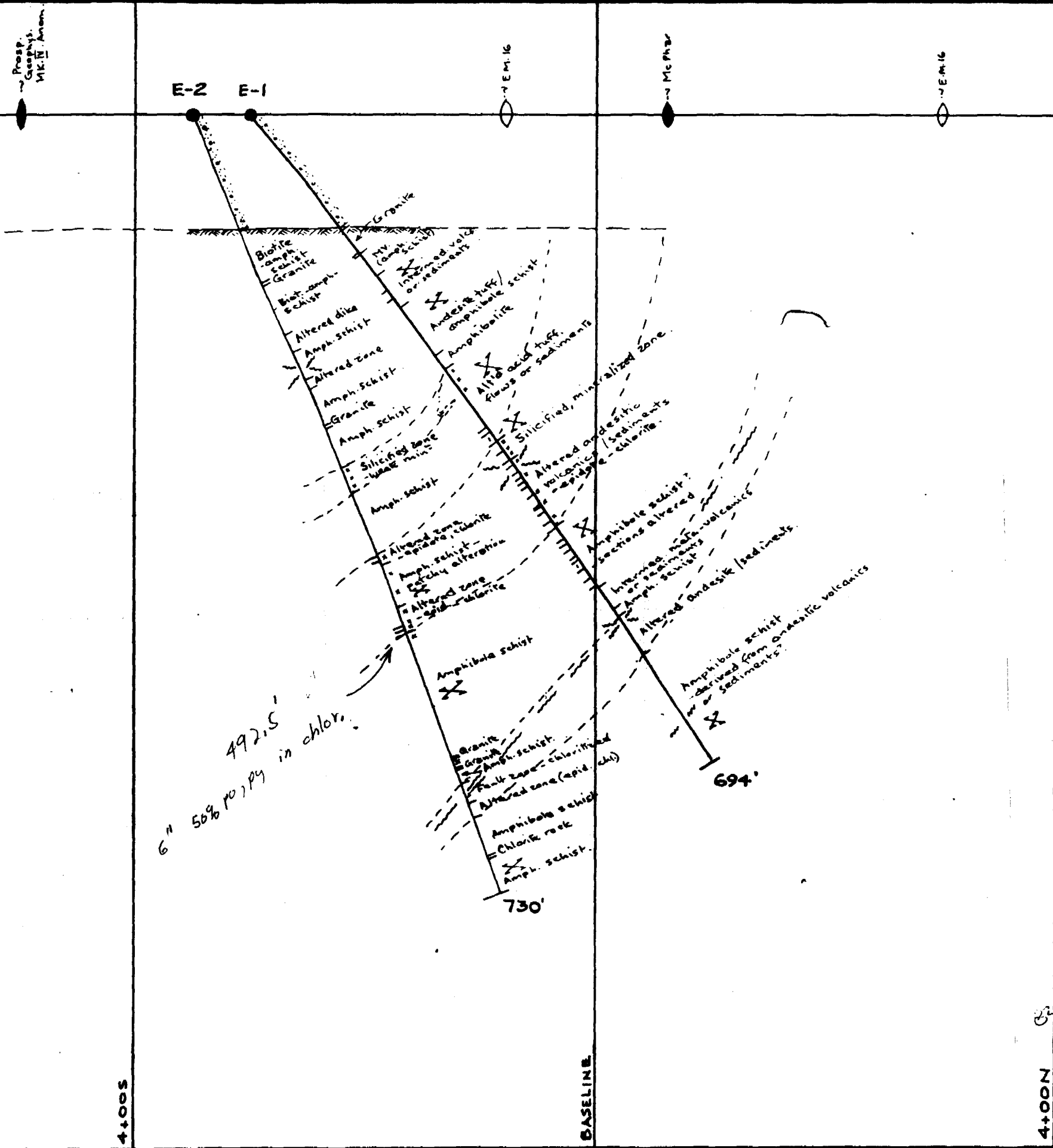
Hustenford

**PROJECT TERRANE
KESAGAMI LAKE AREA
ANOMALY-D**
 D.D.H. SECTION 32+00W
 SCALE 1" = 100' MAR. 1970
 ARGOR EXPLORATIONS LTD.

SOUTH

NORTH

SURFACE

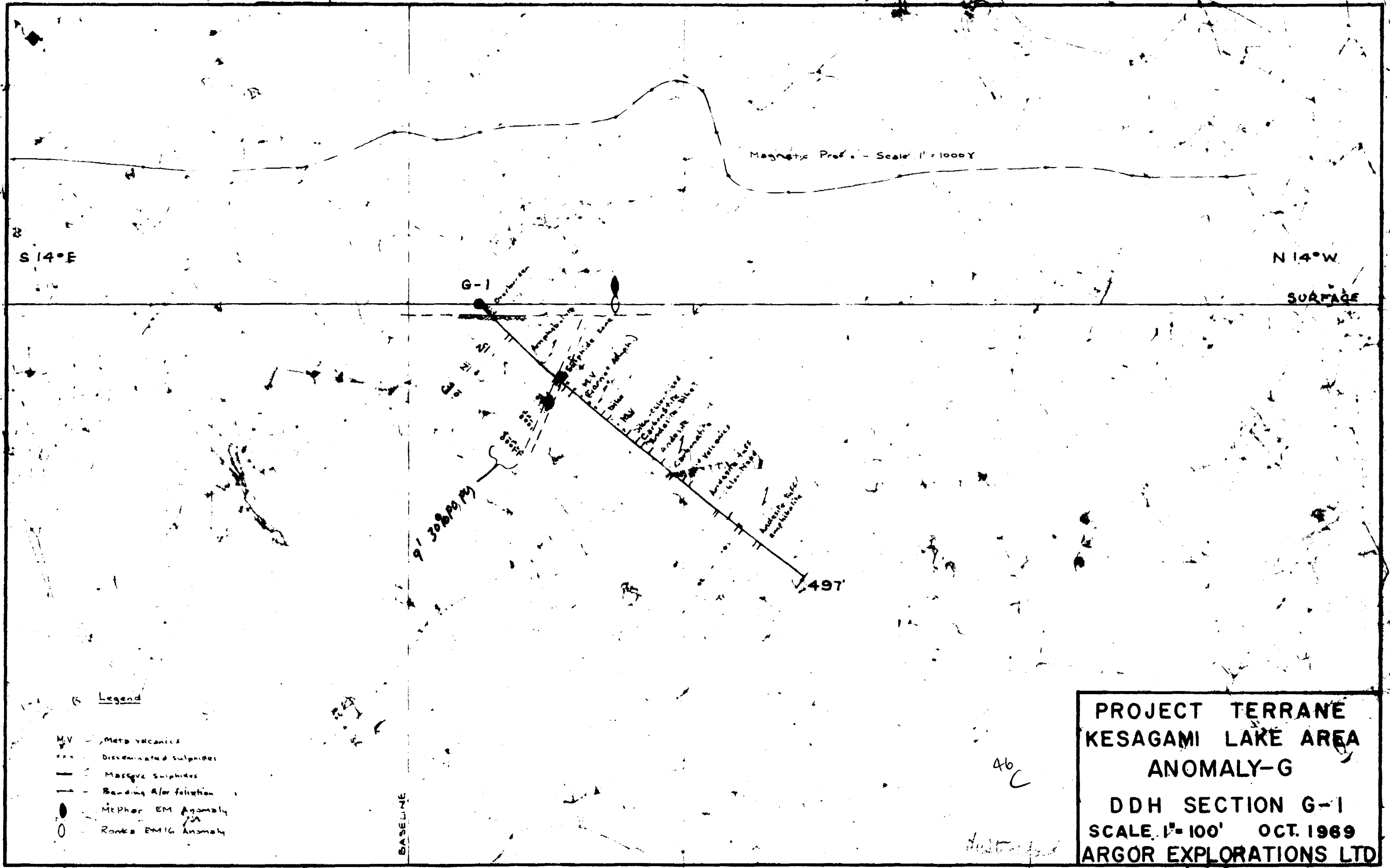


492.5'
6" 56% PO₂ in chlor.

PROJECT TERRANE
 KESAGAMI LAKE AREA
 ANOMALY-E
 DDH SECTION 12+00E
 SCALE 1"=100' MAR. 1970
 ARGOR EXPLORATIONS LTD.

32-146
C

W. Stokford



S 14° E

N 14° W

SURFACE

Magnetic Profile - Scale 1" = 1000'

G-1

9' 308/29 7/2

497

BASELINE

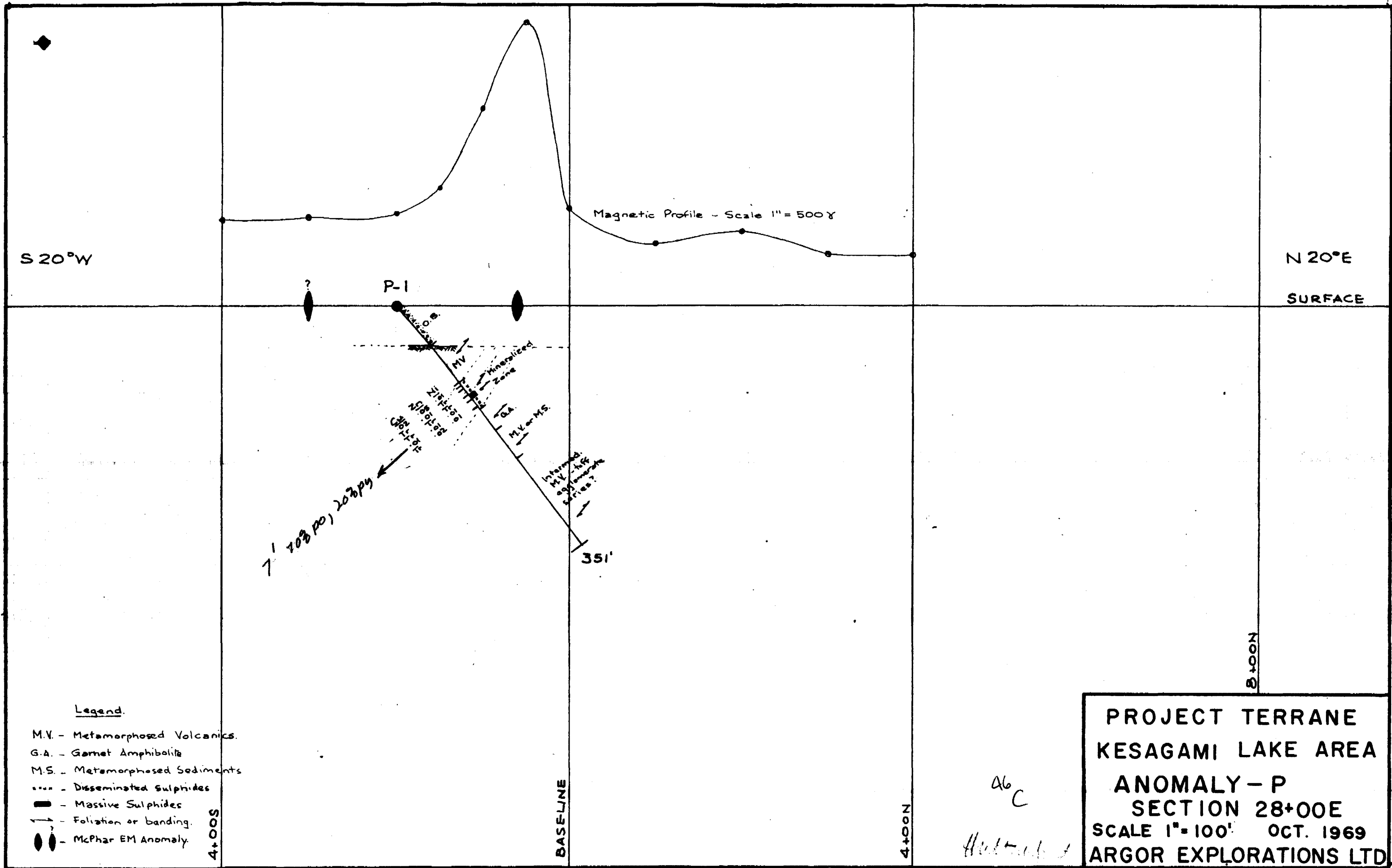
Legend

- M.V. - Meta volcanics
- ... Disseminated sulphides
- Massive sulphides
- - - Banding &/or foliation
- McPhar EM Anomaly
- Rourke EMIG Anomaly

PROJECT TERRANE
 KESAGAMI LAKE AREA
 ANOMALY-G
 DDH SECTION G-1
 SCALE 1" = 100' OCT. 1969
 ARGOR EXPLORATIONS LTD

46

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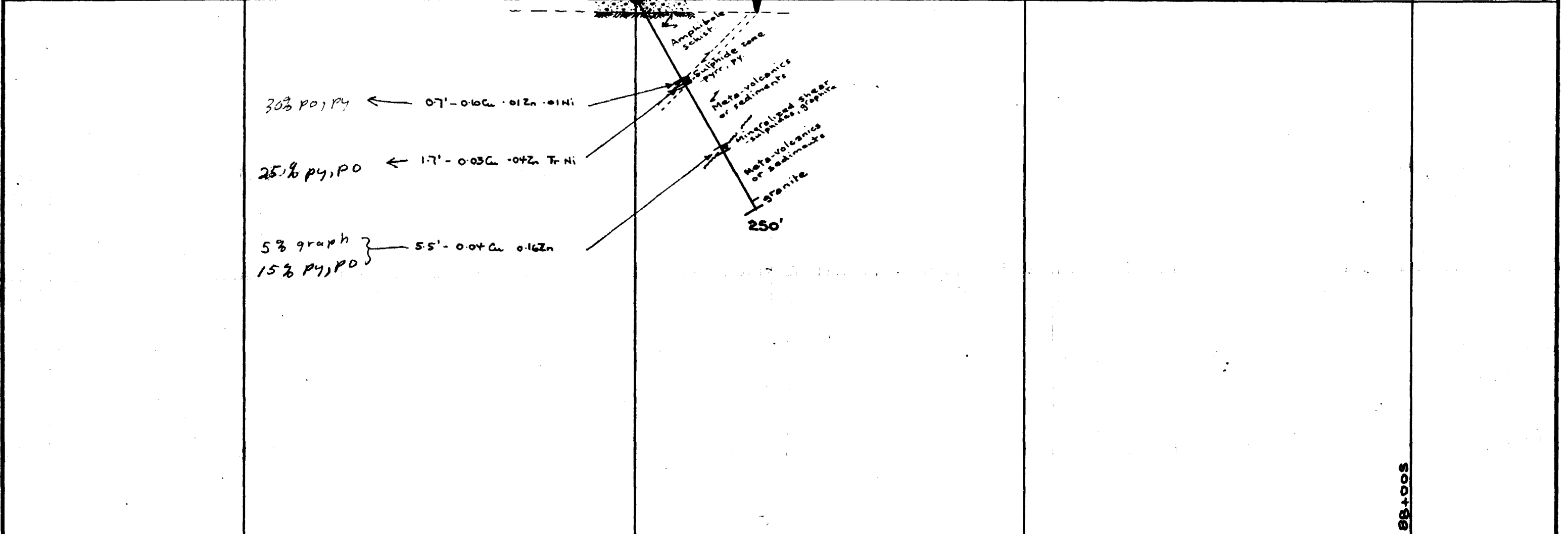
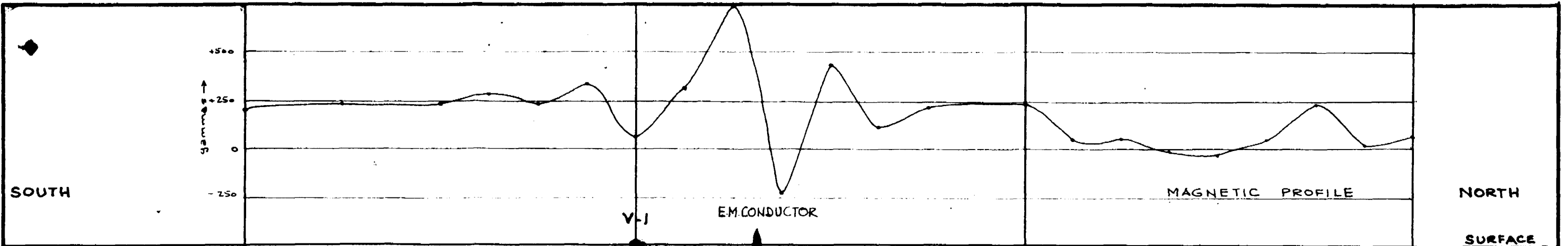


Legend.

- M.V. - Metamorphosed Volcanics.
- G.A. - Garnet Amphibolite
- M.S. - Metamorphosed Sediments
- - Disseminated Sulphides
- - Massive Sulphides
- - - - - Foliation or banding.
- - McPhar EM Anomaly.

PROJECT TERRANE
 KESAGAMI LAKE AREA
 ANOMALY - P
 SECTION 28+00E
 SCALE 1" = 100' OCT. 1969
 ARGOR EXPLORATIONS LTD

Ab
 C
Handwritten notes



30% PO, PY ← 0.7' - 0.16Cu - 0.12Zn - 0.1Ni
 25% PY, PO ← 1.7' - 0.03Cu - 0.4Zn - Ni
 5% graph } 5.5' - 0.04Cu - 0.16Zn
 15% PY, PO }

PROJECT TERRANE
 KESAGAMI LAKE AREA
 ANOMALY-V
 DDH SECTION 8+00W
 SCALE 1"=100' FEB. 1970
 ARGOR EXPLORATIONS LTD.

46C
 H. W. ...

100+00S

96+00S

92+00S

88+00S



42110N0002 83.1-46 YESTERDAY RIVER

900

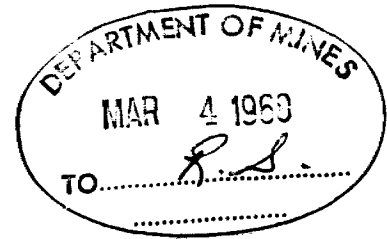
ARGOR EXPLORA'

ROUTE 10: SUITE 1700
11 KING STREET WEST
TORONTO 1, ONTARIO

March 1, 1968

REGISTERED

Mr. R. V. Scott, Director
Department of Mines
Mining Lands Branch
Room 1308, East Block
Parliament Buildings
TORONTO 2, Ontario



Dear Sir:

Re: Exploratory License No. 13,759 granted
to Argor Explorations Limited

The following is a summary of the exploration work completed on the above Concession during the year March 1st, 1967 to February 29th, 1968. Attached are duplicate signed copies of diamond drill logs, cross sections, geological and drilling location plans covering this exploration work.

The program consisted of diamond drilling for further investigation of geophysical anomalies located by previous ground and airborne surveys and geological studies relating to these areas. Some ground geophysical reconnaissance work was carried out to more accurately define anomalies indicated by the airborne work.

Diamond drilling was under contract to Inspiration Limited of North Bay, Ontario. Servicing of the drill crews was provided by fixed wing aircraft, muskeg tractors and skidoos. Transportation for the geological investigation was provided by Niagara Helicopters Limited of Niagara Falls, Ontario, during the summer months. Diamond drill core representing the attached work is currently stored at Moosonee, Ontario.

Total diamond drilling completed on the concession during the year amounted to some 1,707'.

March 1, 1968

Exploration activities were concentrated on the following anomalies and areas within the Concession .

ARGOR 10 ANOMALY

Two drill holes were completed on this anomaly during March, 1967. The 50° inclined holes were drilled approximately 1400' apart and were designed to intersect an electromagnetic anomaly at points of low and high magnetic expression, as indicated by previous geophysical surveys. As a result of the drilling, the electromagnetic anomaly is assumed to have been caused by solution-bearing fractures within the gneissic rocks encountered, or possibly due to electrolytic solutions in the overburden. Considerable magnetite was observed in hole number Argor 10-2, explaining the high magnetic anomaly.

Total drilling amounted to some 1105'. Geophysical Plans showing the drill hole locations have been submitted previously. No economic mineralization was encountered during the course of this work.

Enclosed: Diamond Drill Logs - Holes Argor 10-1 and 2.
Diamond Drill Hole - Sections - Argor 10-1 and 2.
Drilling Location Plan - (Holes shown on Magnetometer Survey Plan).

ARGOR 20 ANOMALY

One inclined hole was drilled in the central peak of a magnetic anomaly, plans of which have been previously submitted. The hole was completed to a depth of 602', encountering 114' of overburden and Palaeozoic sediments before entering the Precambrian gneiss basement. Enrichment in magnetite is thought to have caused the magnetic anomaly. Nothing of economic importance is indicated.

A geological examination of the area during the summer revealed no Precambrian outcrops visible in the anomaly area.

A 2,000' winter airstrip was constructed near Argor-20 for servicing of drill crews by single-engine aircraft.

March 1, 1968

Enclosed: Diamond Drill Hole Section 2100N
Drilling Location Plan (Hole shown on Magnetometer
Survey Plan)
Diamond Drill Log - Hole Argor 20-1

GEOLOGICAL INVESTIGATIONS

Geological mapping was concentrated in areas covered by helicopter airborne magnetometer surveys during the previous year. Maps showing the magnetic contours have already been submitted for the Big Eye and Yesterday River areas.

BIG EYE AREA

General helicopter reconnaissance was extended over the Big Eye area covering the northern part of the concession. Particular attention was paid to areas with abnormally high or low magnetic response as indicated by results of the helicopter magnetic survey. Unfortunately no Precambrian outcrops were found during the course of the reconnaissance work, although outcrops of Palaeozoic sediments in the Nettogami River bed are not uncommon.

In assessing the significance of the magnetic anomalies indicated, it is felt that none are sufficiently interesting to warrant testing by diamond drilling.

YESTERDAY RIVER AREA - Including Argor 10

Considerable time was spent in mapping outcrops along the bed of the Yesterday River. Investigations were carried out both by the Project Geologist and by Dr. J. Gittins, Consulting Geologist.

The rocks exposed, consisting of garnet-feldspar gneisses, contain many small calcite-bearing fractures and narrow lamprophyre dykes which could be indicative of a carbonatite complex in the vicinity. The gneissic rocks contain local disseminations of pyrite.

March 1, 1968

Yesterday River Area - Including Argor 10 (cont'd.)

No outcrops were found to the east of the river in the Argor-10 area.

A fairly strong magnetic anomaly, situated approximately 2000' northwest of Argor 10-1, was traversed on a ground reconnaissance basis with the magnetometer in conjunction with a search for outcrops which might indicate the source of the anomaly. The anomaly was located and found to occupy an overburden-filled depression, flanked by several outcrops on the east side. The outcrops, consisting of well banded feldspar gneiss, contain no visible mineralization.

The results of recent mapping program are shown on the updated geological plan of the concession area.

Enclosed: Project Terrane - Geological Plan - 1" = 1 mile

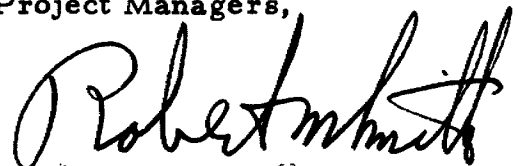
As you are aware, this Exploratory License expires on March 1st, 1968. By submission of the attached data and expenditure breakdown we believe our Company has fulfilled its obligation, under the original terms of the exploratory license granted in our favour.

As no deposit of economic importance was indicated by this exploration program, our Company advises that the exploration license now is officially terminated; and after the government has reviewed the data the \$25, 000. 00 performance bond will be returned.

Please advise if your Department requires any further details in conjunction with the attached information.

Yours very truly,

Argor Explorations Limited,
Project Managers,

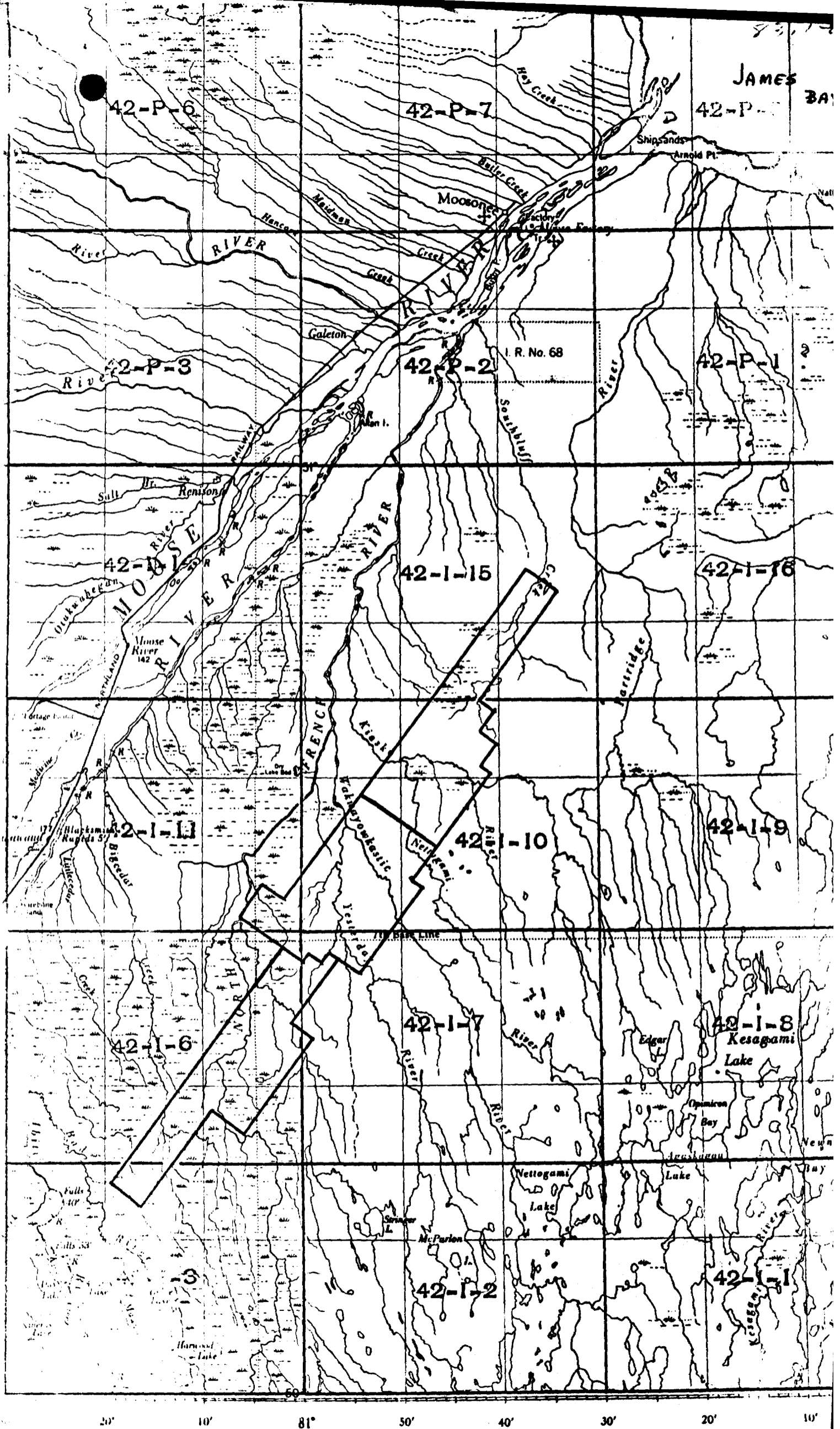


Per: ROBERT M. SMITH
Vice-President

RMS:mk
Attach.

Handwritten signature or initials, possibly 'J.S.' or similar, written in dark ink.

This map defines the "after acquired area" referred to in the within agreement made as of March 29, 1965 between Consolidated Morrison Explorations Limited, Goldray Mines Limited and Argor Explorations Limited of the first part and Imperial Oil Limited of the second part.



83.1-46



83.1-46

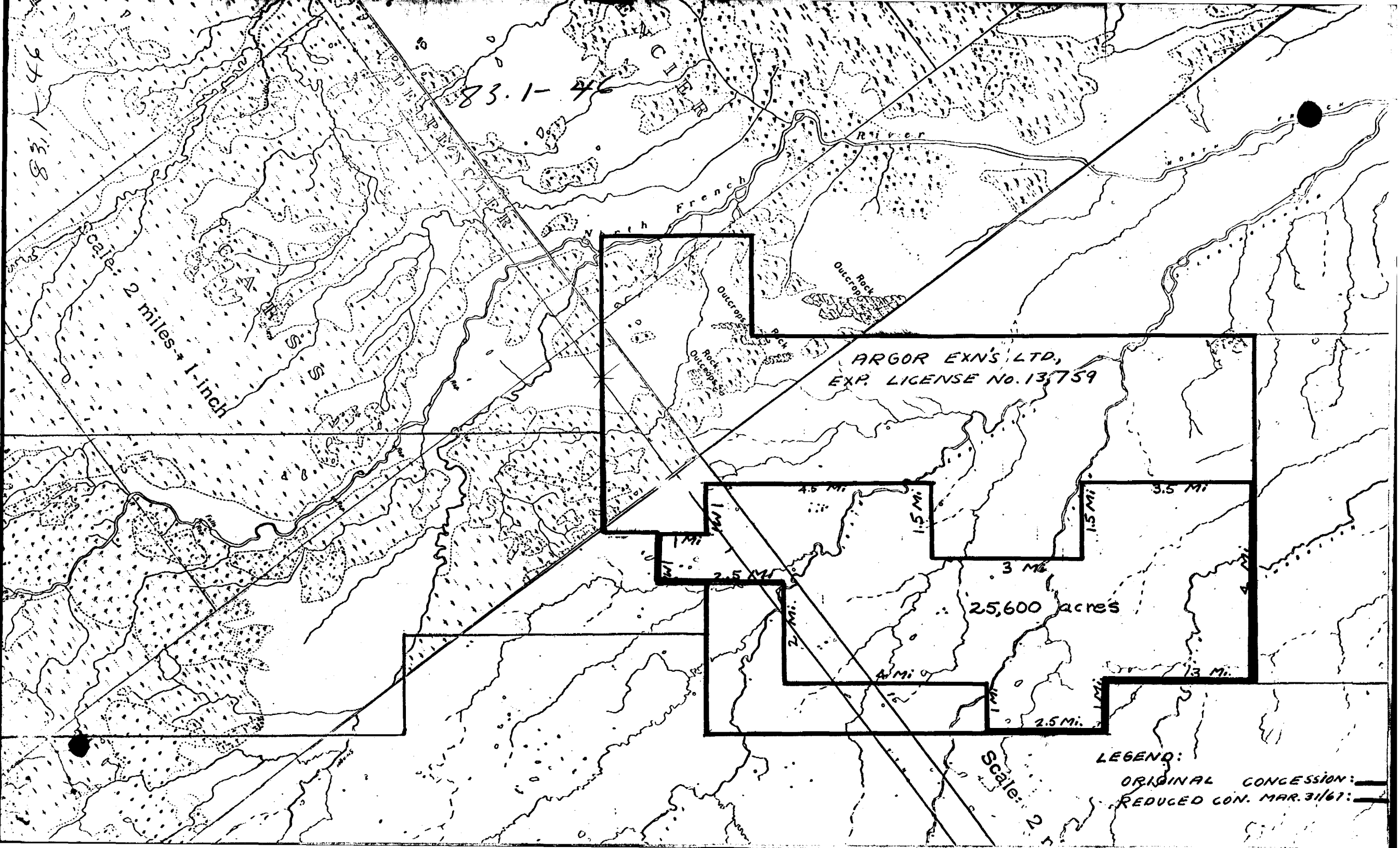
Scale: 2 miles → 1-inch

ARGOR EXNS LTD,
EXP. LICENSE NO. 13,759

25,600 acres

Scale: 2 miles → 1-inch

LEGEND:
ORIGINAL CONCESSION: 
REDUCED CON. MAR. 31/67: 



83-1-4



HEAT

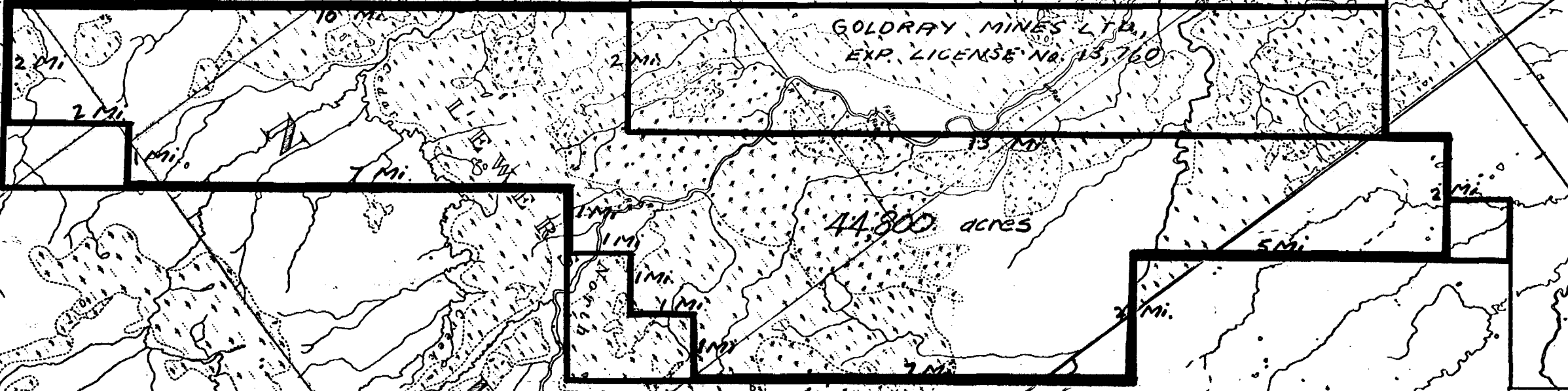
Scale: 2 miles = 1-inch

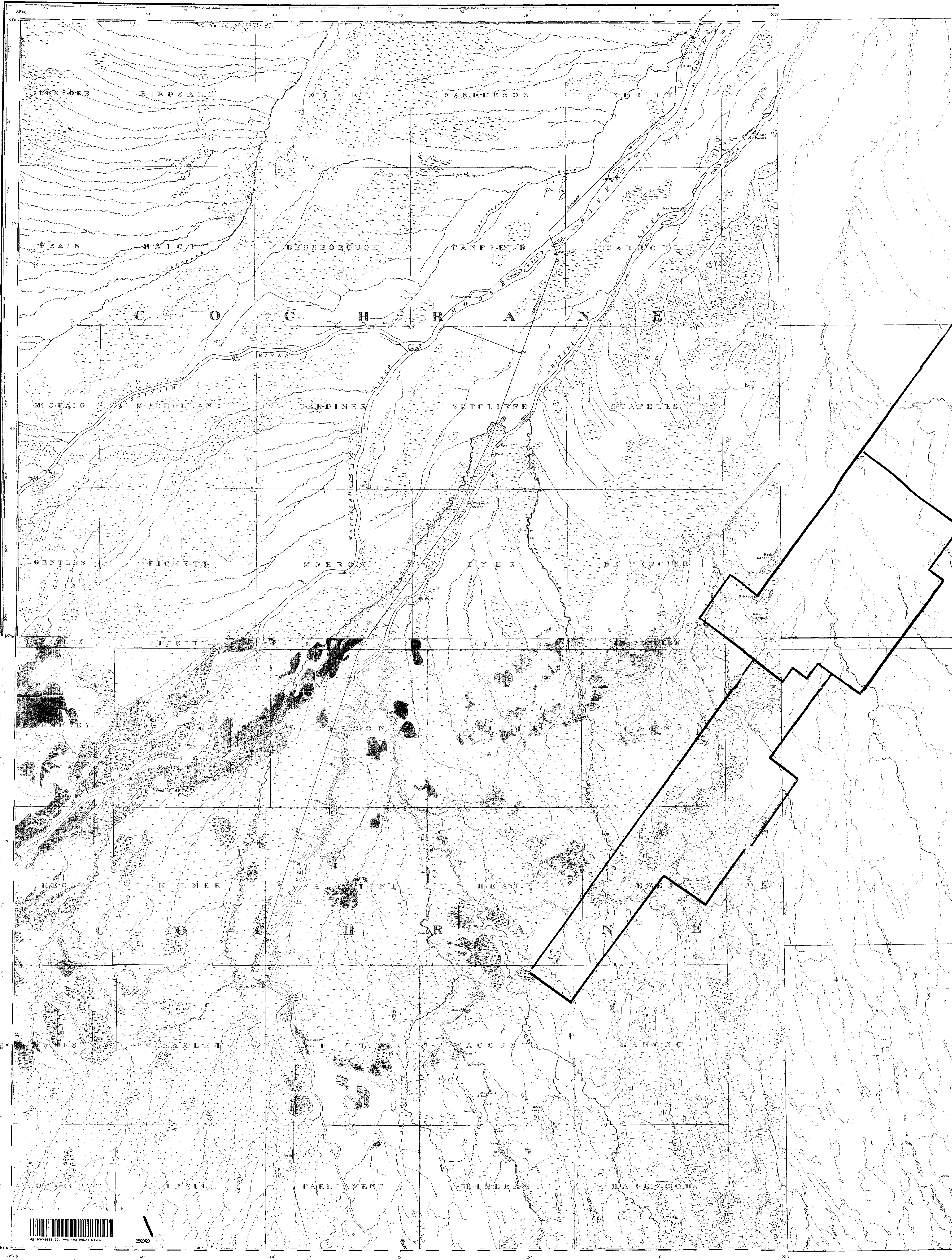
GOLDRAY MINES LTD.
EXP. LICENSE NO. 15,760

44,800 acres

LEGEND:

ORIGINAL CONCESSION: 
REDUCED CONCESSION: 
MARCH 31/67:





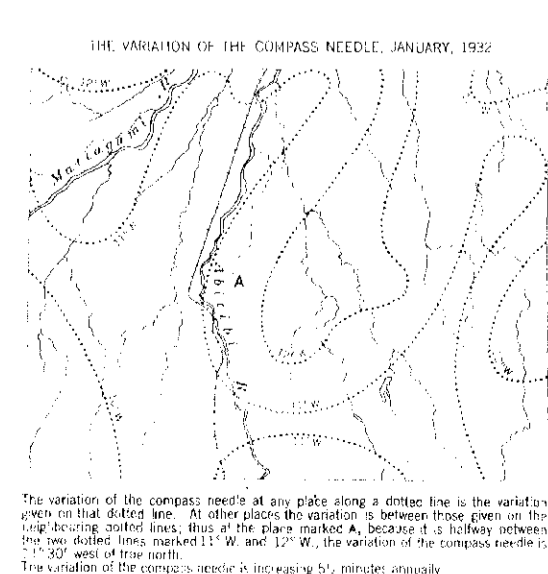
PRODUCED IN COOPERATION WITH THE DEPARTMENT OF SURVEYS PROVINCE OF ONTARIO

CORAL RAPIDS ONTARIO (PROVISIONAL EDITION)

Scale 2 miles to 1 inch or 1:126,720

Miles 0 1 2 3 4 5 6 7 8 9 10
Kilometers 0 1 2 3 4 5 6 7 8 9 10

datum is mean sea level

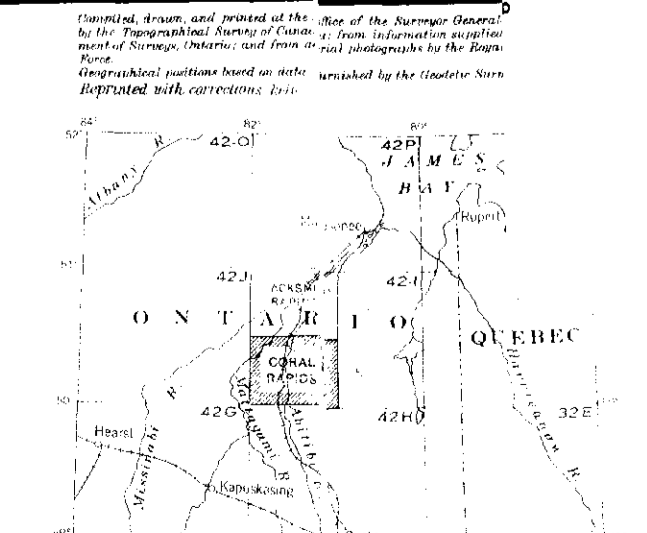


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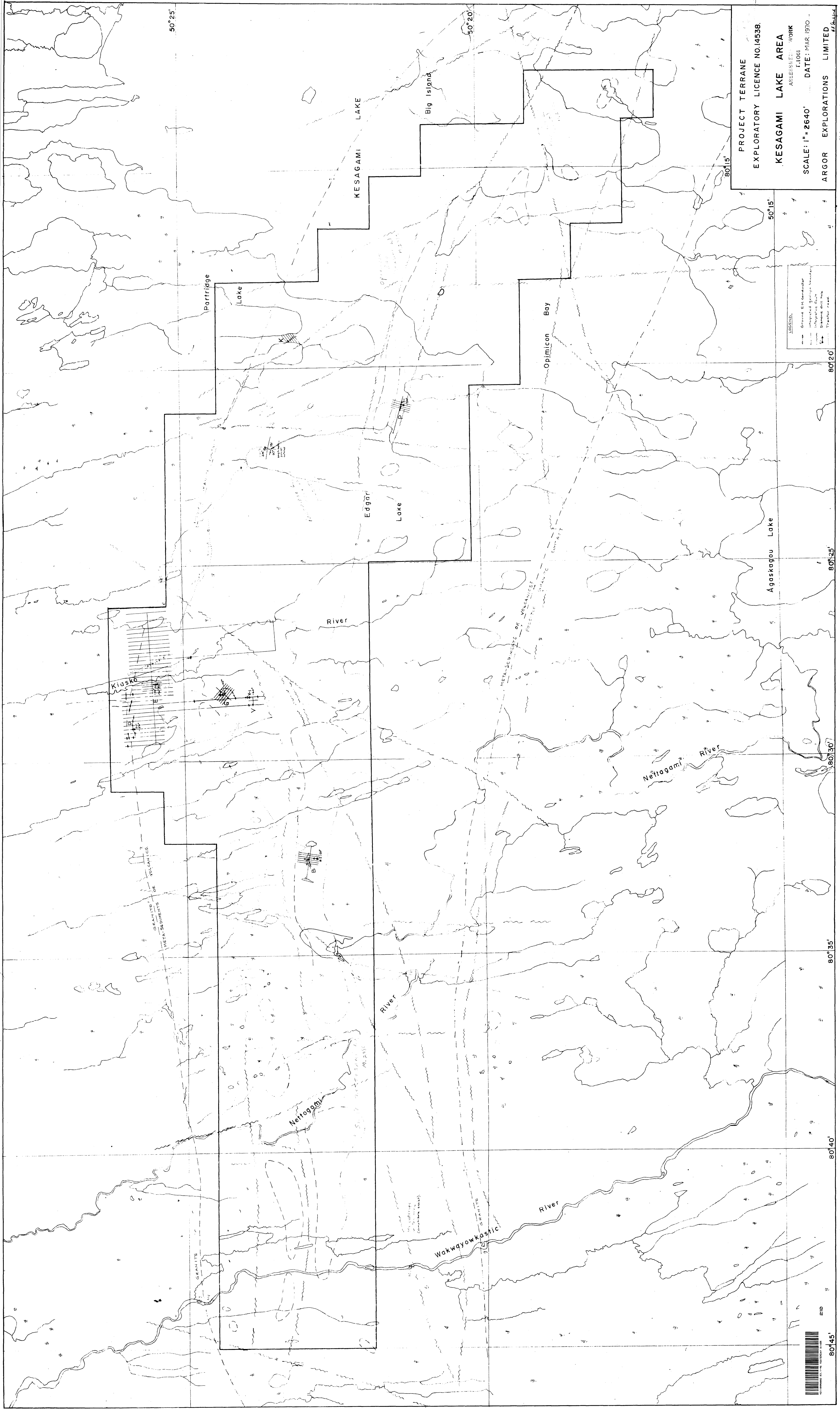
Water	Blue
Land	White
Vegetation	Green
Buildings	Black
Roads	Red
Railways	Black
Power lines	Black
Telephone lines	Black
Boundaries	Black
Spot heights	Black
Mean sea level	Black

Reference

Spot	Black
Contour	Black
Spot height	Black
Contour interval	Black
Spot height	Black

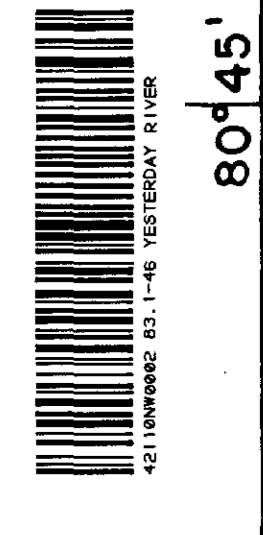


50 CENTS



PROJECT TERRANE
 EXPLORATORY LICENCE NO. 14538.
 KESAGAMI LAKE AREA
 ASSESSMENT WORK
 F. 1063
 SCALE: 1" = 2640'
 DATE: MAR. 1970
 ARGOR EXPLORATIONS LIMITED
 #1, 54, 54

LEGEND:
 Ground: 8 M Contour
 Topography: 30m Contour
 Trail: 10m Contour
 Trail: 20m Contour



83-1-46

210

80145

LEGEND

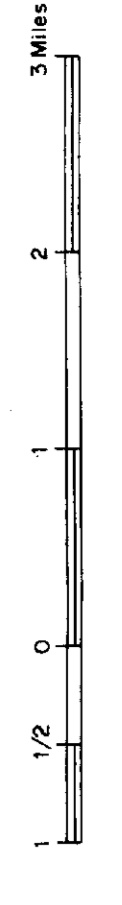
- Ultrabasic - interbedded mafic basic siltite or iron formation
- Diorite
- Basic intrusives - miscellaneous
- Diorite
- Granite
- Intrusive carbonates, pyroxenite etc.
- Granite gneiss
- Garnet gneiss
- Hornblende gneiss
- Garnet - hornblende gneiss
- Amphibolite
- Volcanics - undifferentiated
- Intermediate to basic volcanics
- Tuff and pyroclastics

SYMBOLS

- Foliation, gneissosity
- Fault
- Sulphides - disseminated
- Sulphides - concentrated
- Geophysical grid
- Claim group (process)
- (mine)

GEOLOGY PROJECT TERRANE

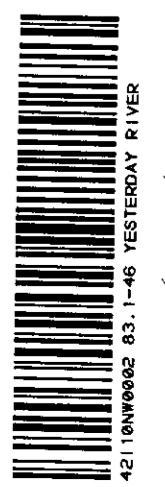
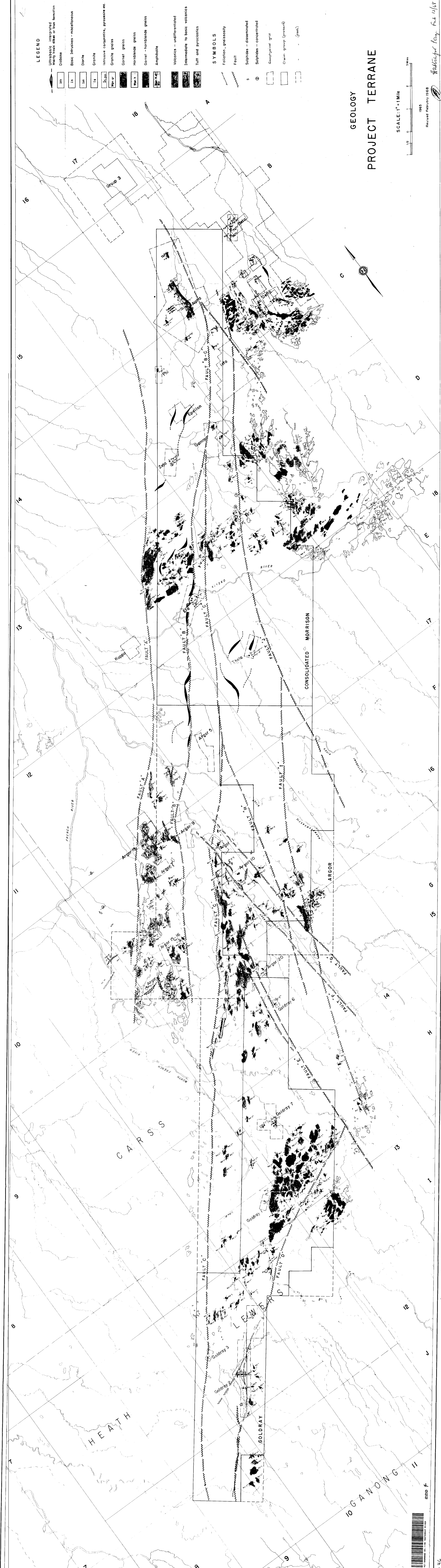
SCALE: 1" = 1 Mile



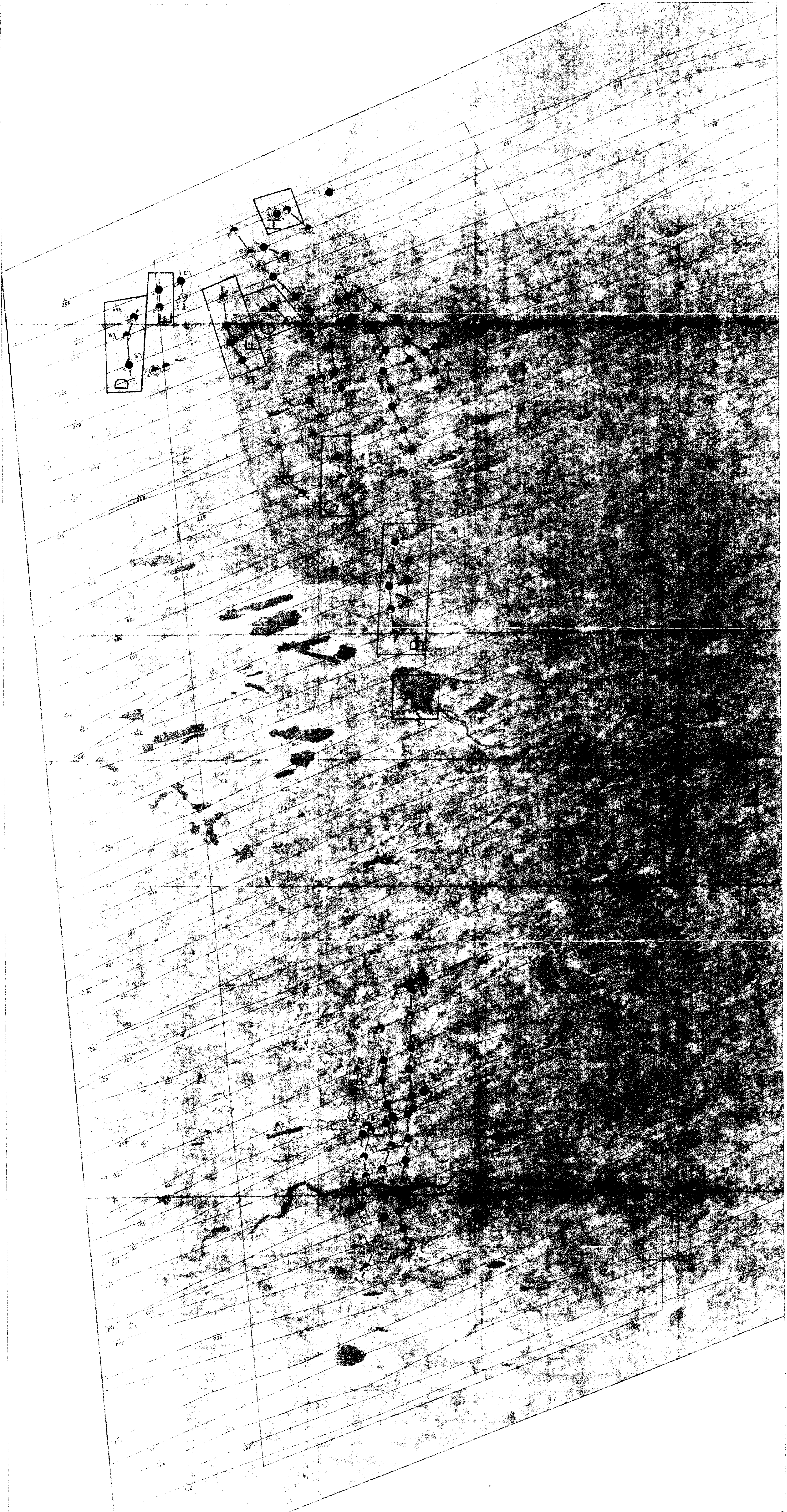
1985
Revised February 1988

Waldemar Berg, Feb 12/88

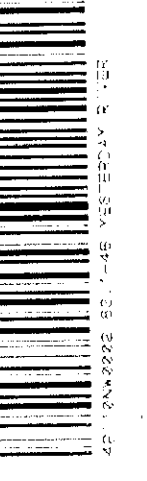
83-1-46



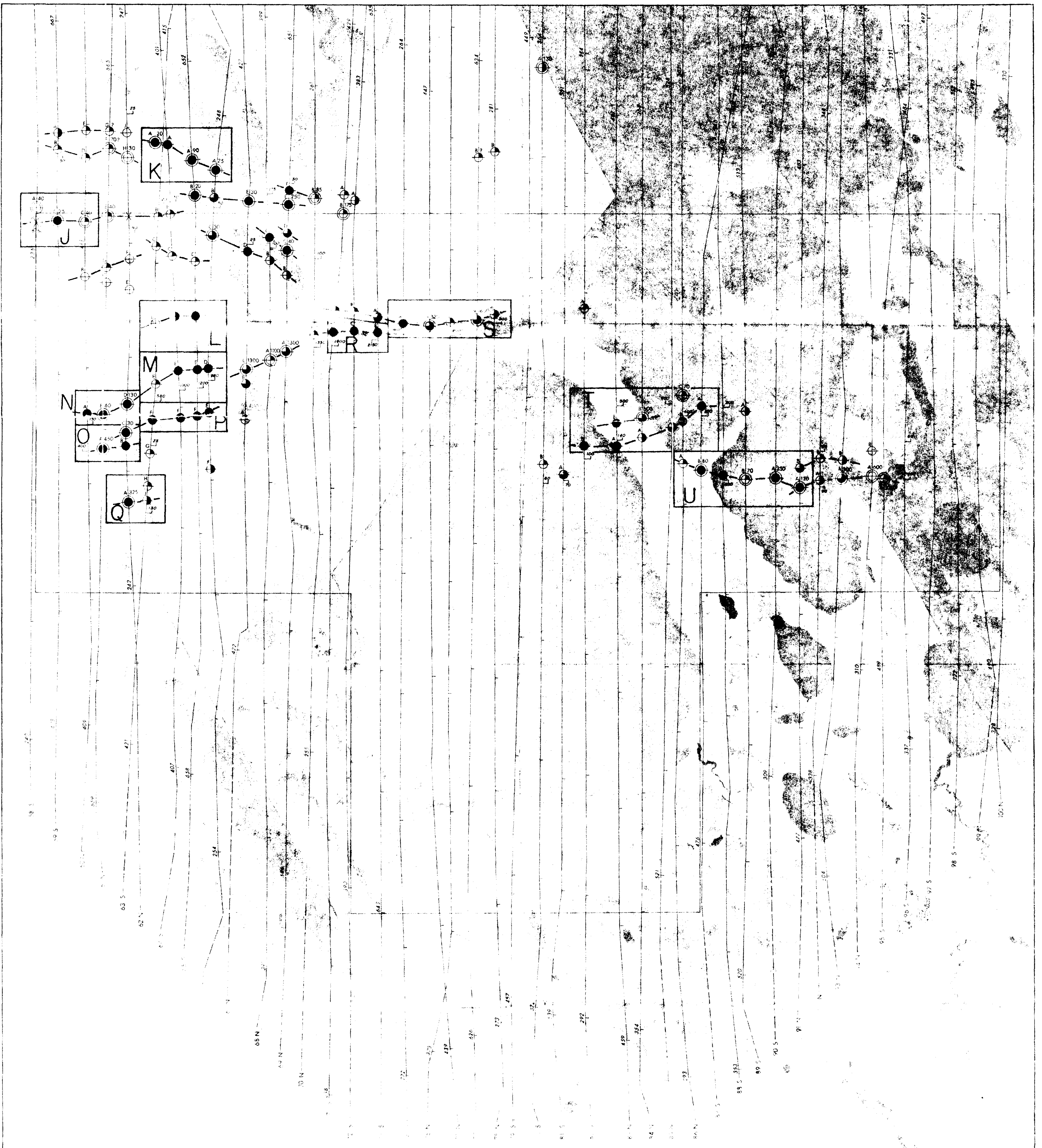
83-1-46



1000



230



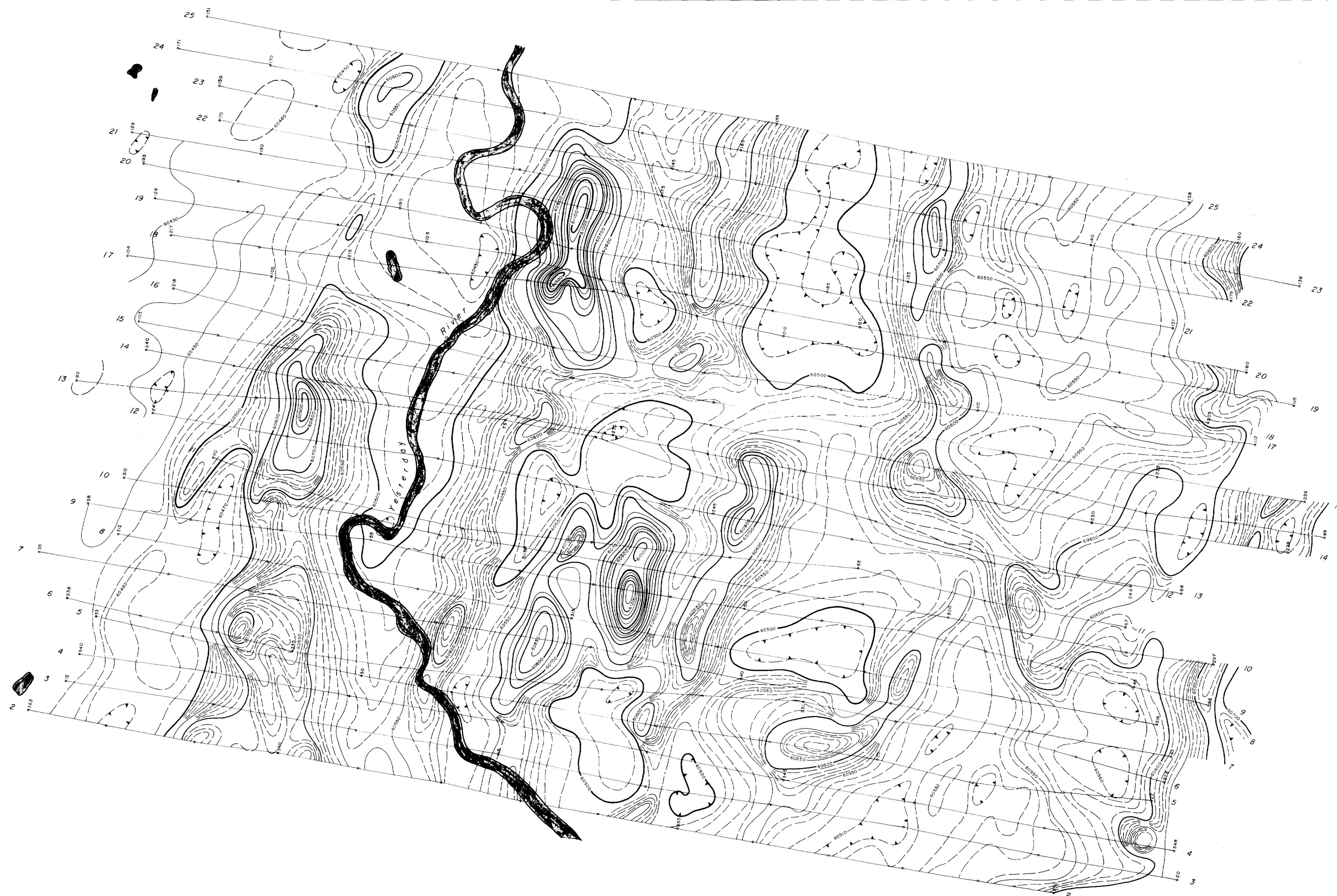
ONTARIO POWER GENERATION

00P2

KESAGAMI LAKE



02110K0002 03 11-00 22525004 01/01



83-1-46

LEGEND

- 10' Contour interval
- 500' Contour interval
- 100' Contour interval
- 50' Contour interval
- 10' Contour interval
- Depression
- Flight line

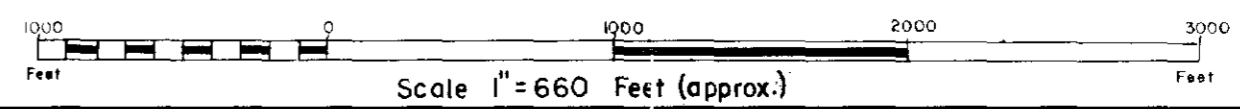
ARGOR EXPLORATIONS LTD.
 Aeromagnetic Survey
 TOTAL INTENSITY CONTOURS
 YESTERDAY RIVER AREA

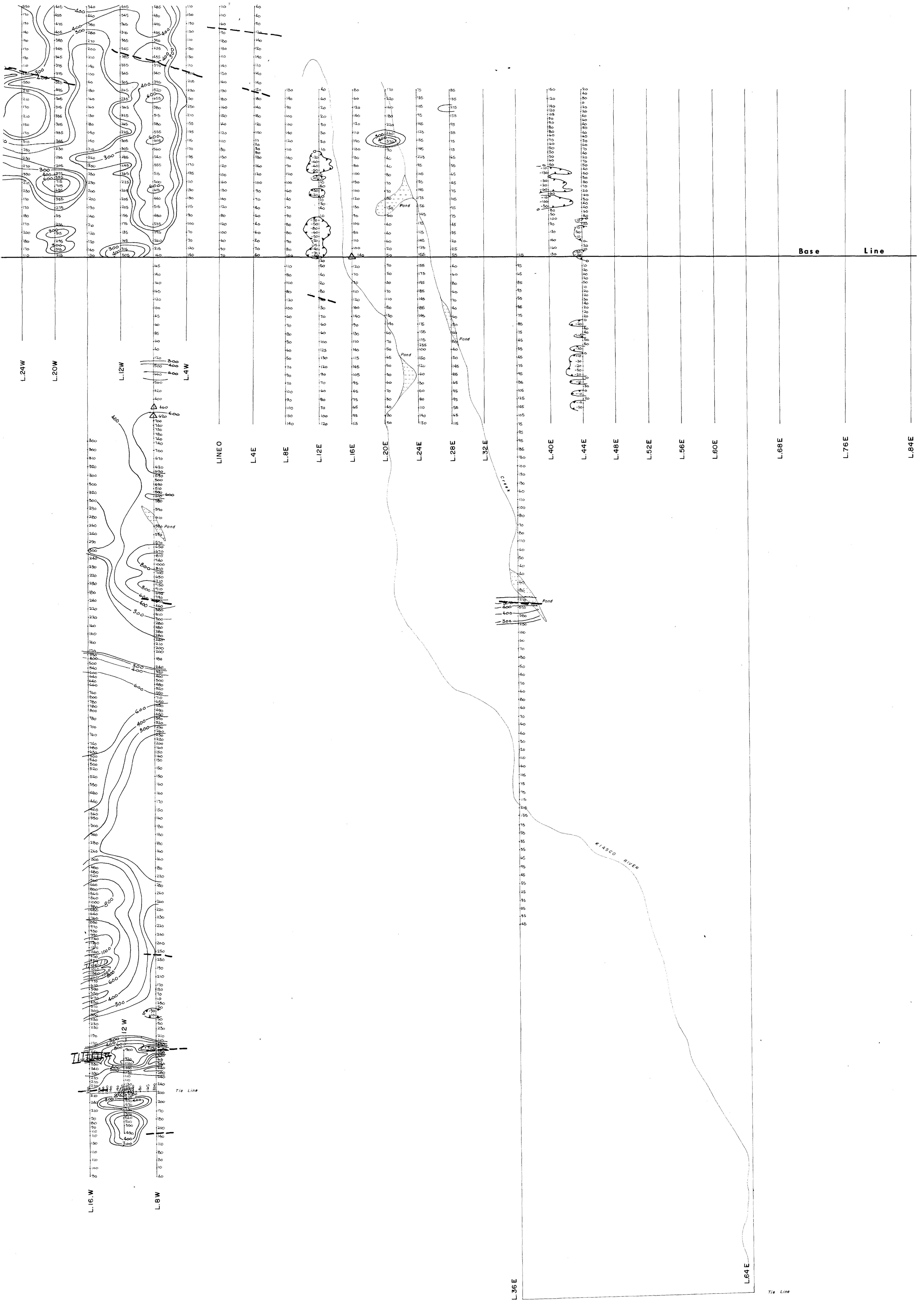
Flown by:
 NIAGARA HELICOPTERS LTD.
 Niagara Falls, Ontario
 Compilation & Drafting by:
 BARRINGER RESEARCH LTD.
 Toronto, Canada
 Mar. - April - May 1967

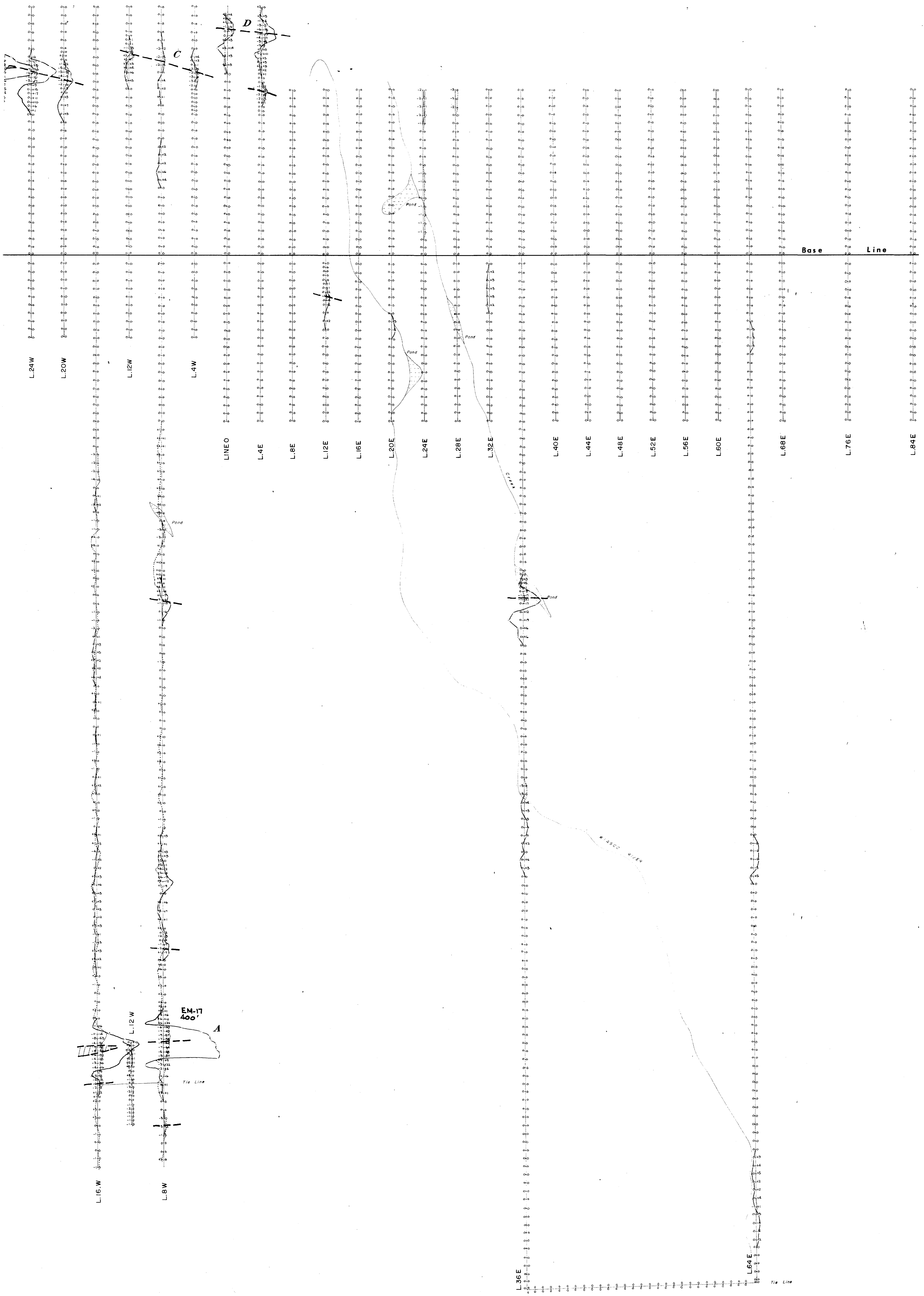
Magnetic declination
 11° 44' West

4216NW0002 83-1-46 YESTERDAY RIVER

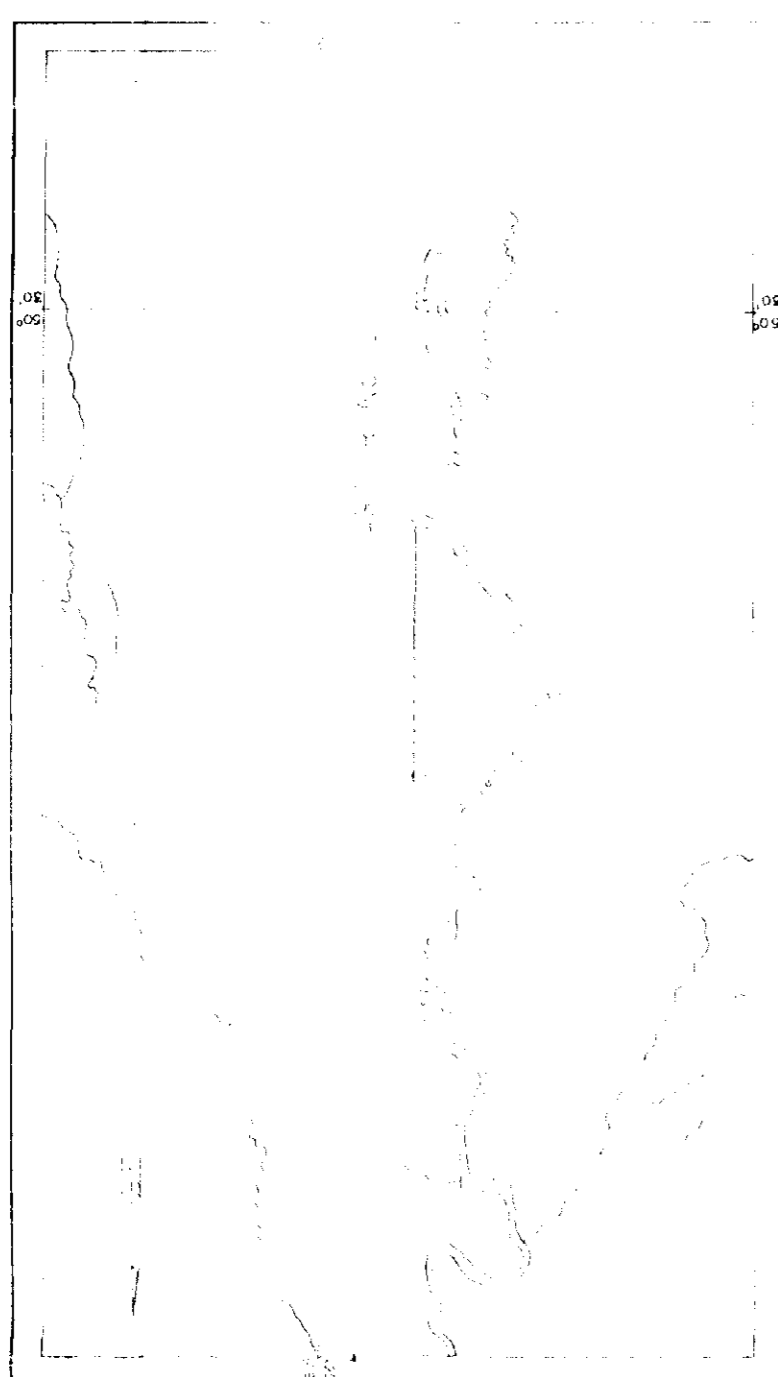
250



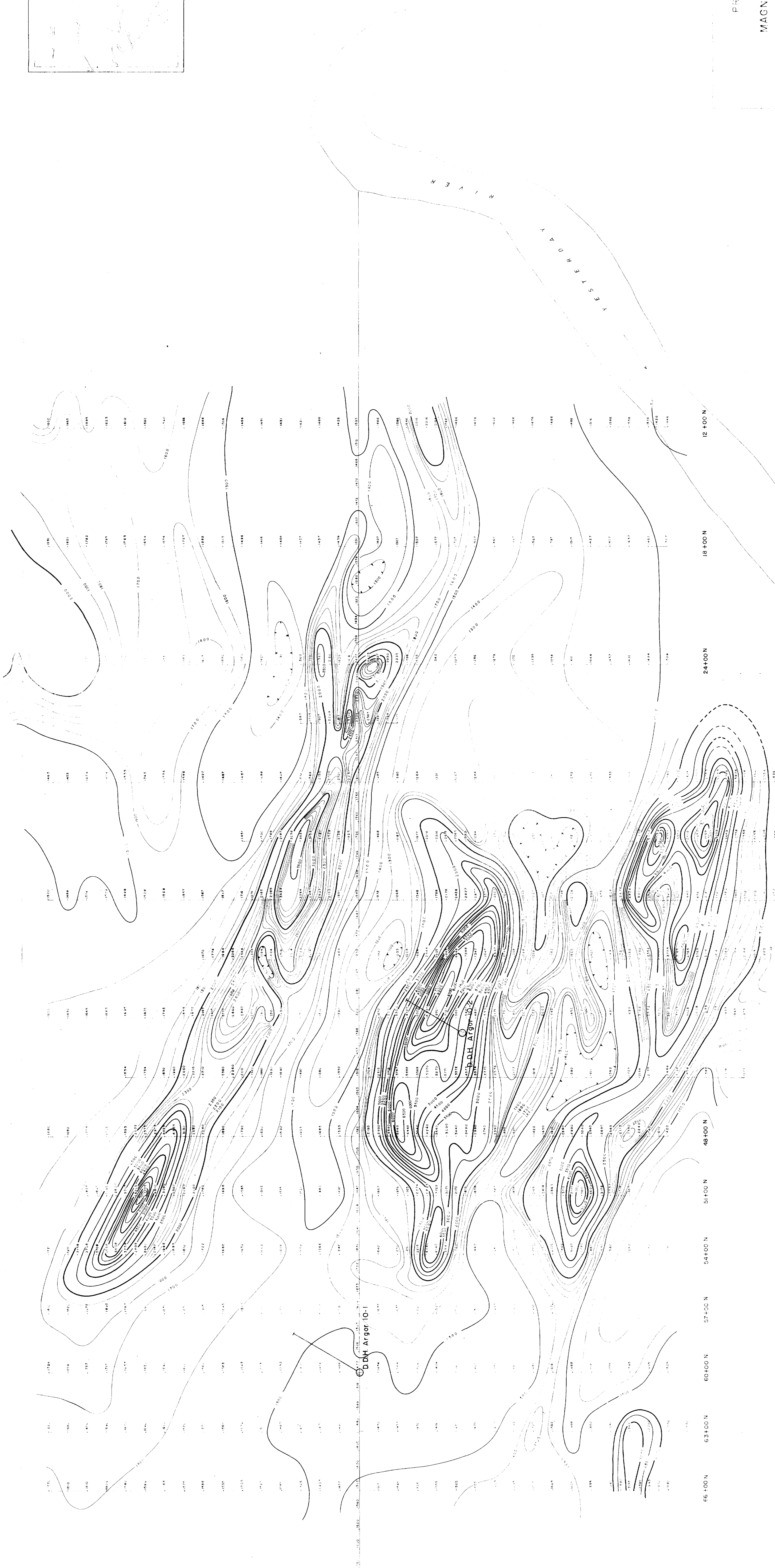




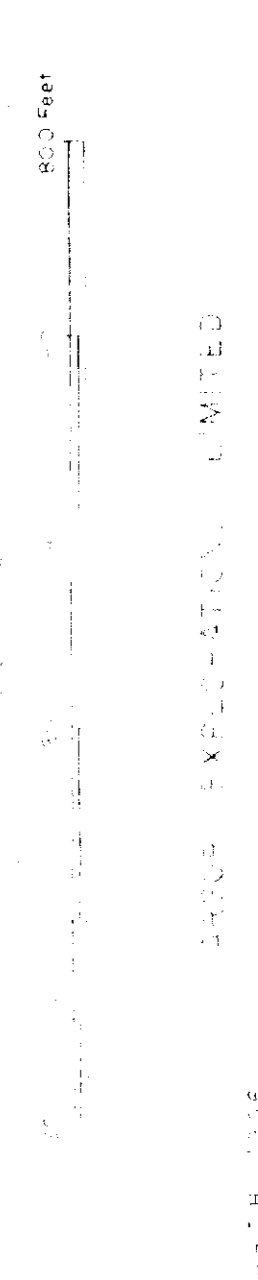
LOCATION MAP



SCALE 1:62,500



PROJECT TERRACE
 MAGNETOMETER SURVEY
 ARGOP No. 10



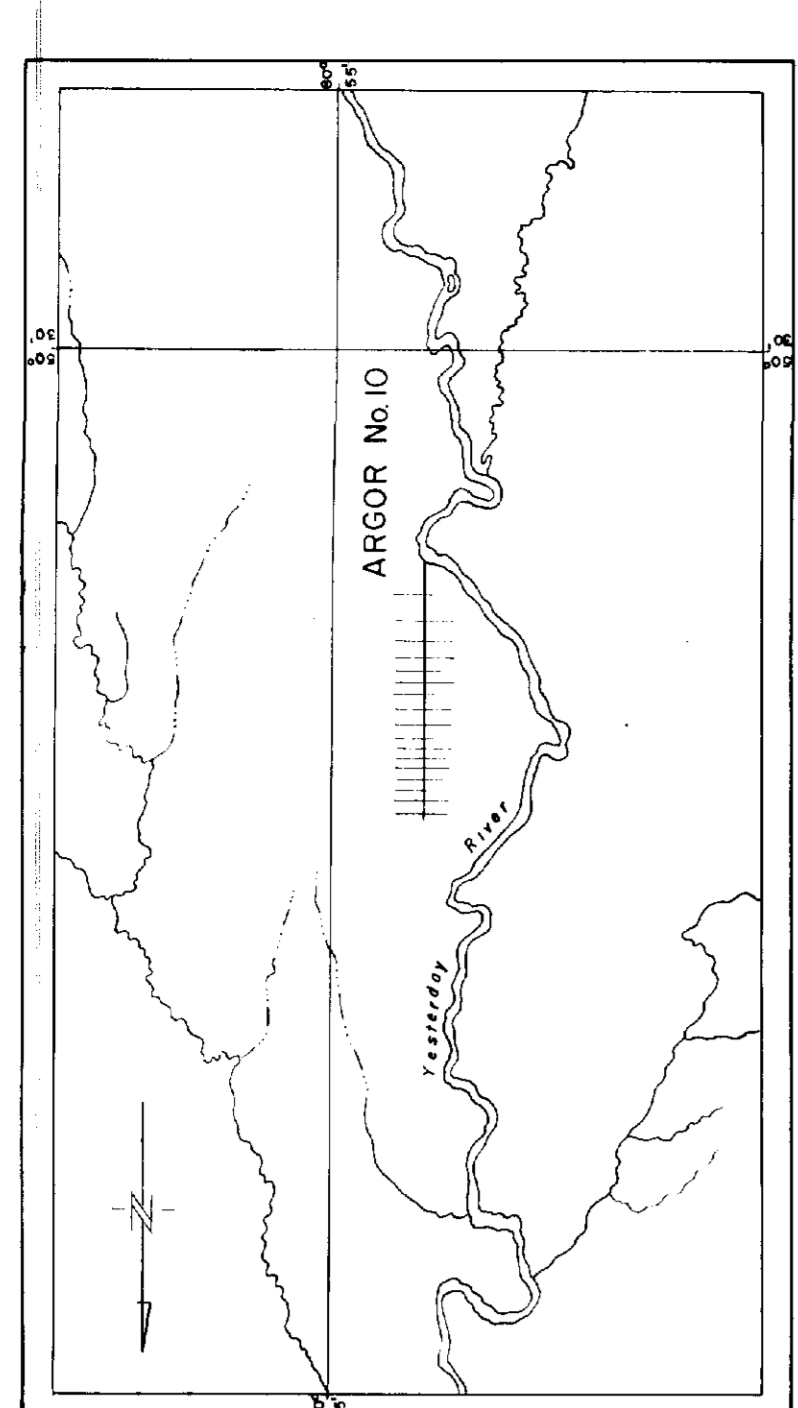
Map of the City, Feb. 12, 1968

LEGEND

- 1000 Gammas
- 500 Gammas
- 100 Gammas
- Magnetic depression



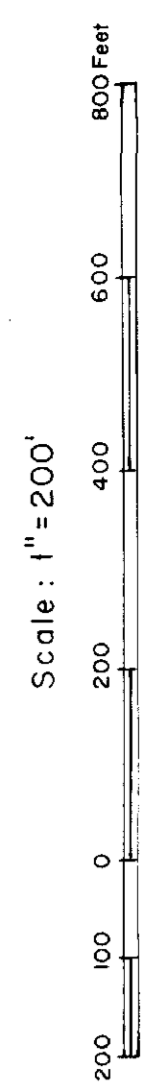
LOCATION MAP



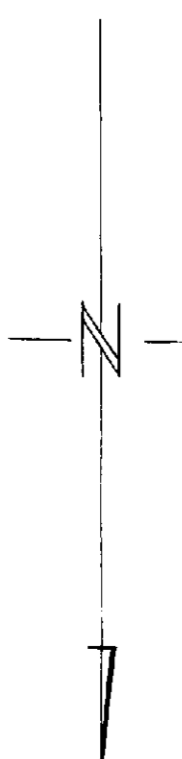
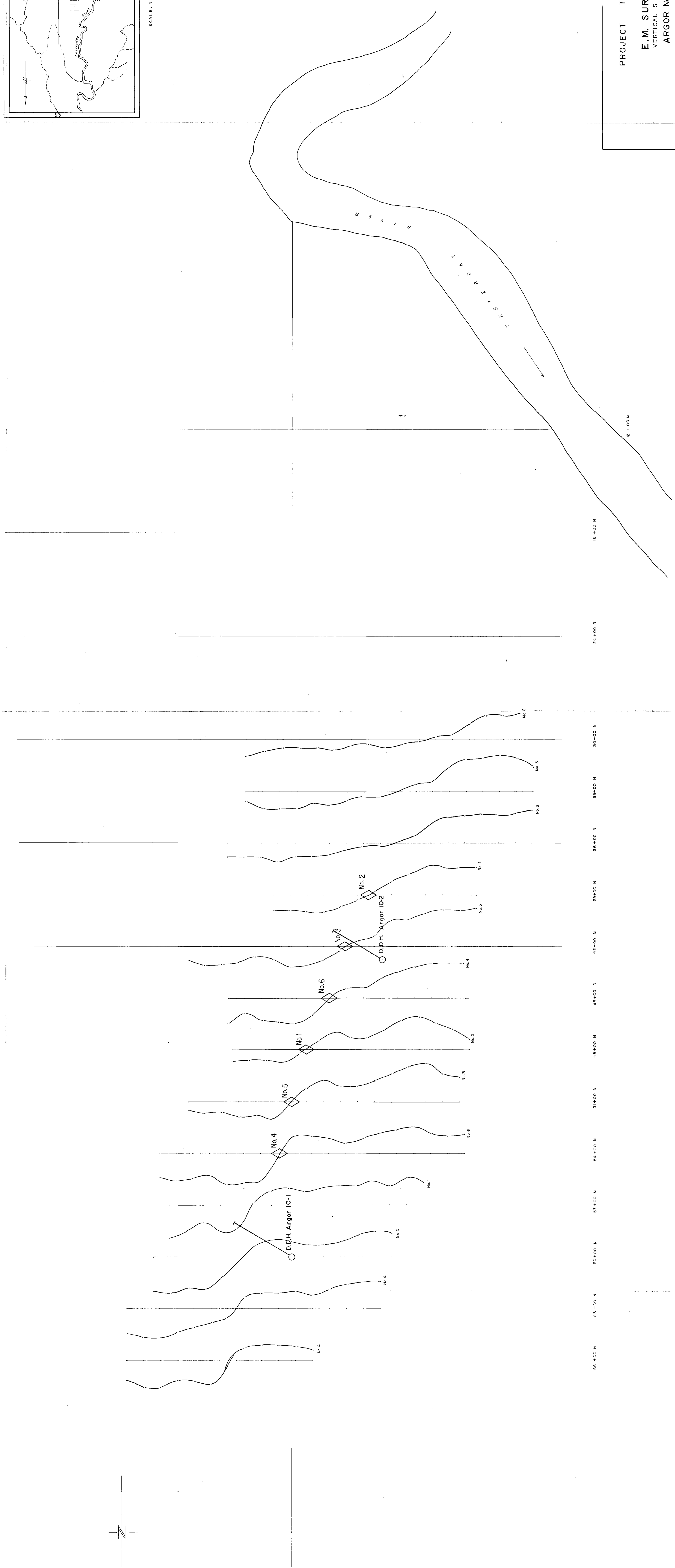
SCALE: 1 INCH = 1 MILE

PROJECT TERRANE

E.M. SURVEY
VERTICAL S-E-250
ARGOR No. 10

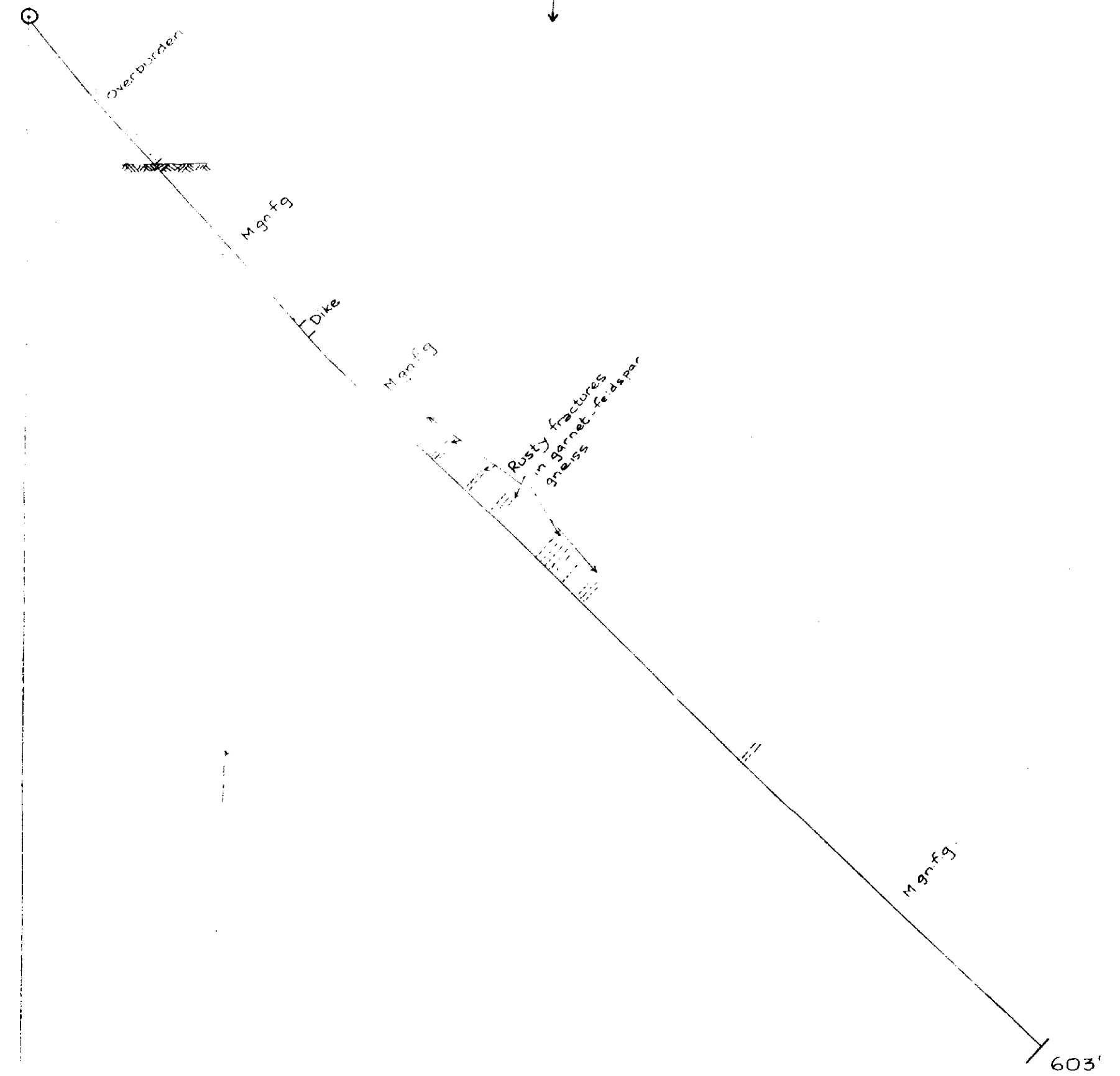


ARGOR EXPLORATIONS LIMITED
MARCH, 1966



ARGOR ID 1

E M CONDUCTOR



200' EI

400' EI

BASELINE

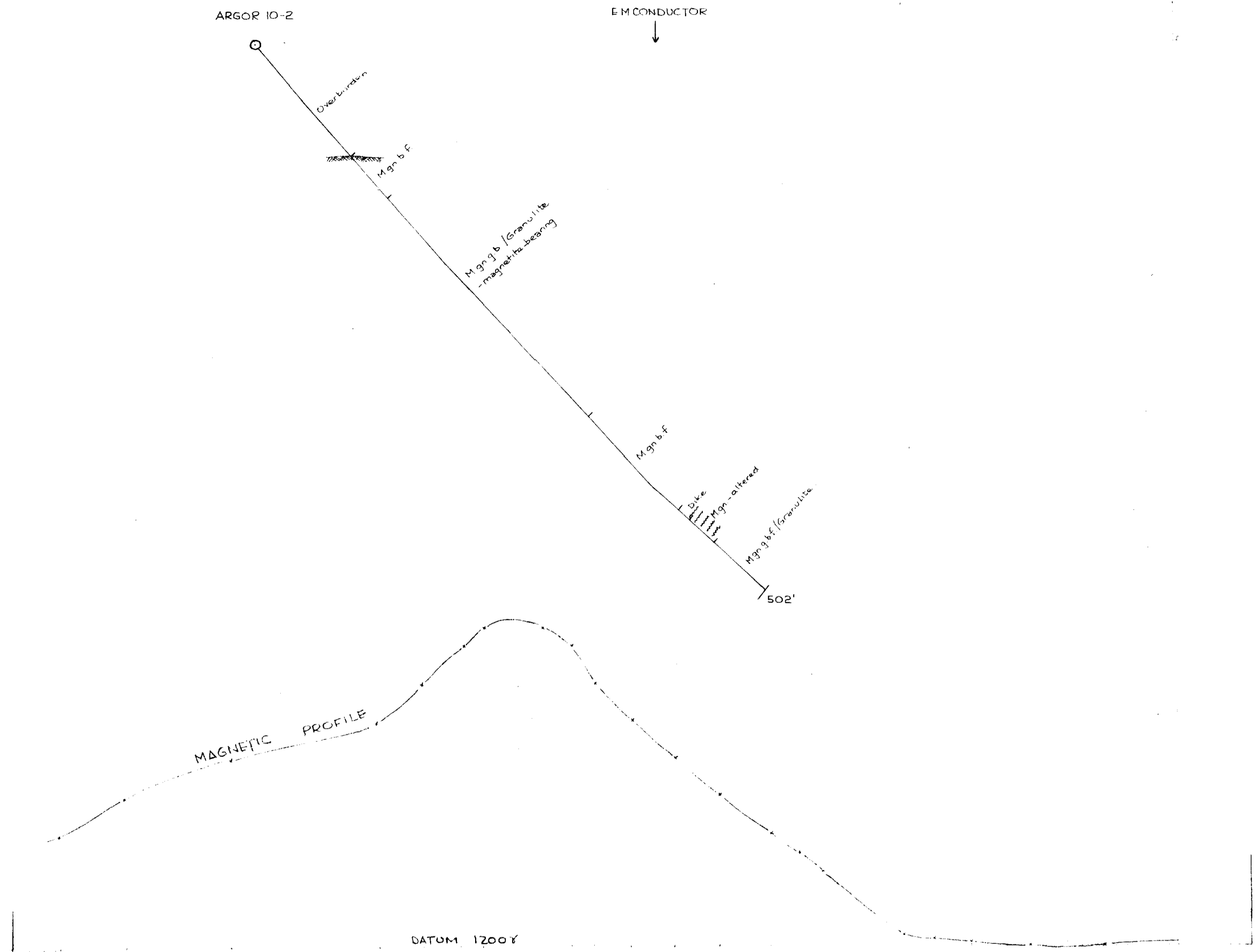
PROJECT: REASON
 SECTION: ARGOR-10-1
 ARGOR-10

ARGOR EXPLORATIONS LTD
 February 1968, 1968
Am. Mich. P.

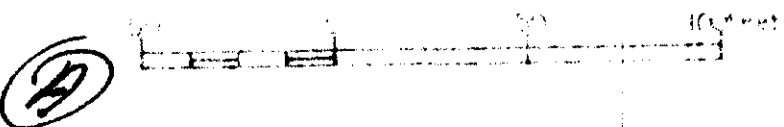


N 60° W

S 60° E



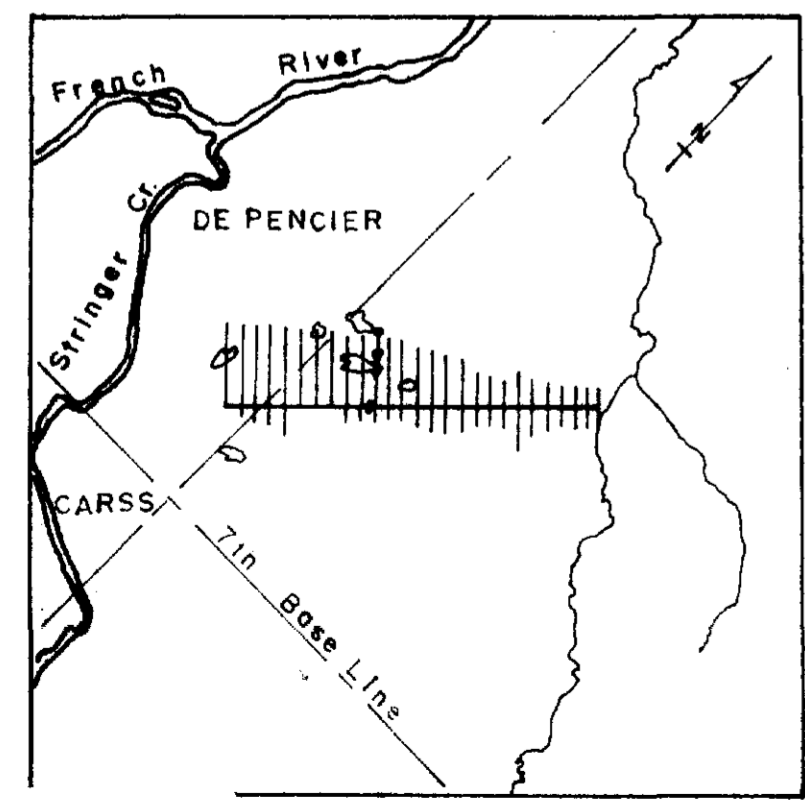
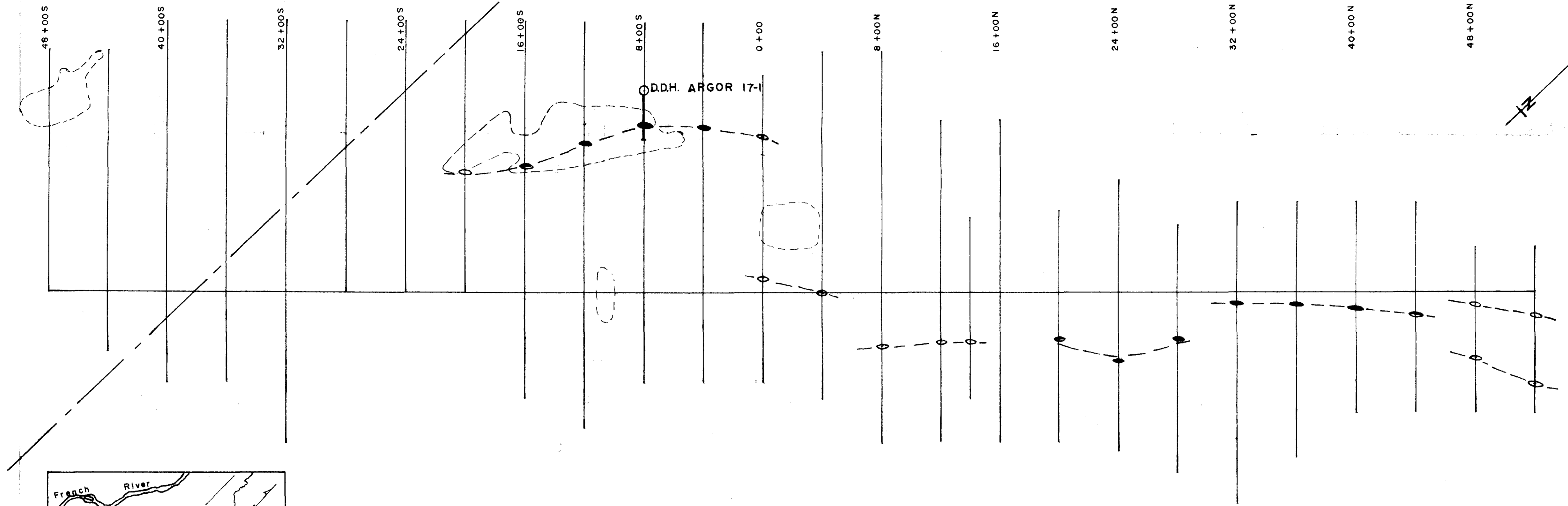
PROJECT TERRANE
 D.D.H. SECTION ARGOR-10-2
 ARGOR 10



ARGOR EXPLORATIONS LTD

February 1968
 H. W. Strickland Per. 83-1-46





LOCATION MAP
SCALE 1"=1 MILE

PROJECT TERRANE
D.D.H. PLAN
ARGOR 17 ANOMALY

● E-M CONDUCTOR Vertical Loop SE-100

SCALE 1"=400' MARCH 1966

83-1-46
ⓑ

ARGOR EXPLORATIONS LTD. *afw*



16+00W

14+00W

12+00W

10+00W

8+00W

Conductor Mgq high

D.D.H. ARGOR 17-1

-50'

LINE 8+00S S46°E

Weathered, Carbonate veinlets

Gn

-200'

Gn











499'

-400'

-600'

-800'

LOOKING NORTHEASTERLY

-  Paleozoic Sediments
-  Carbonate
-  Lamprophyre
-  Gabbro (g), Diorite (d)
-  Peridotite
-  Pyroxenite
-  Granite
-  Granulite
-  Gneiss
-  Schist

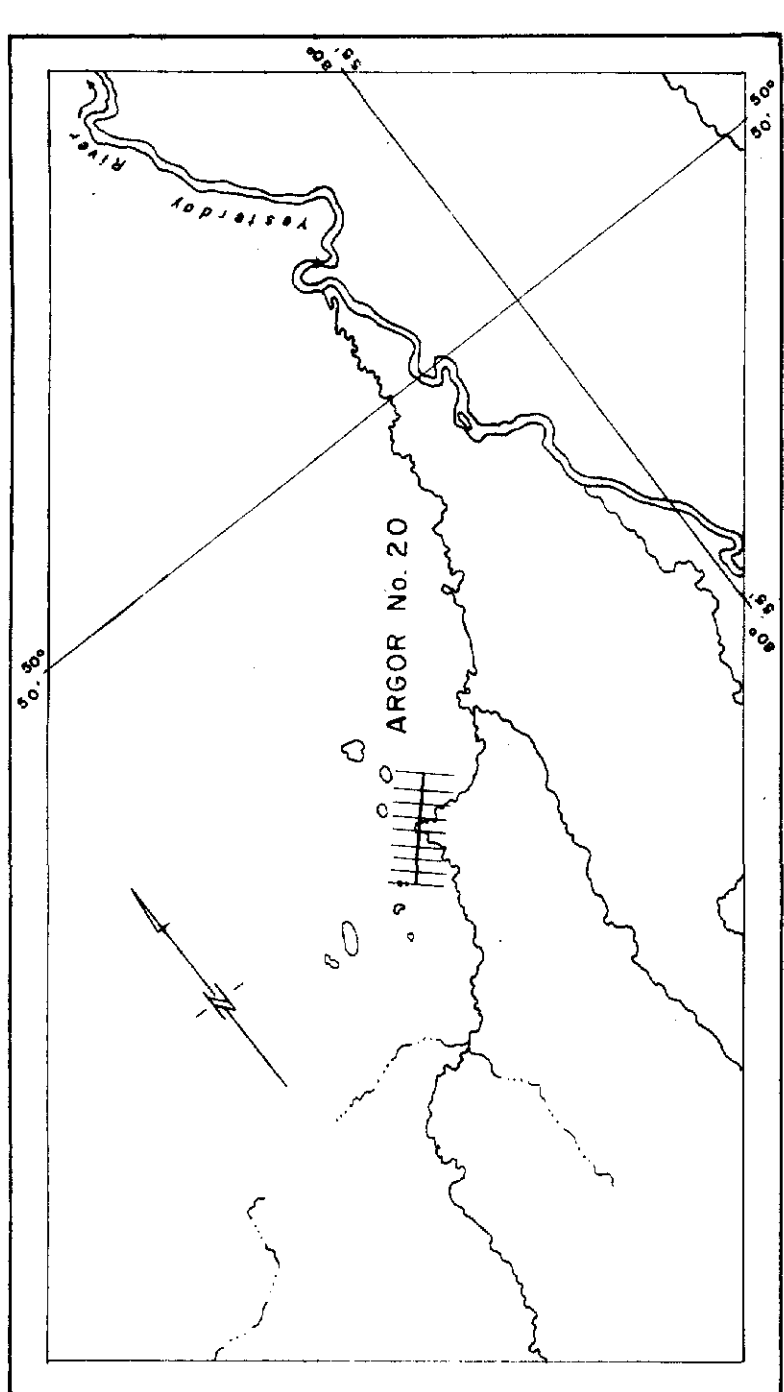


42110N0002 83.1-46 YESTERDAY RIVER

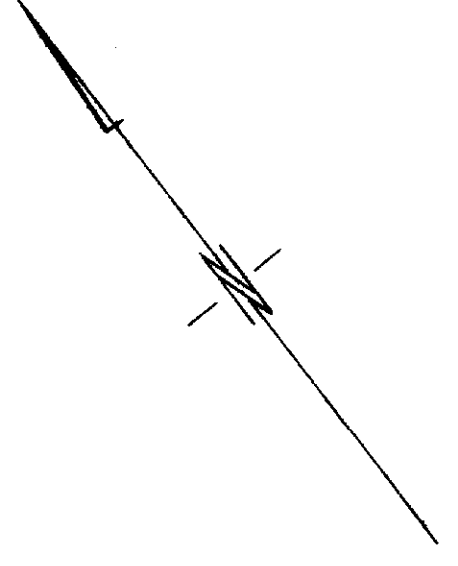
340

PROJECT TERRANE
D.D.H. ARGOR 17-1
ARGOR 17 ANOMALY
 SCALE 1"=80' DATE MARCH 1966
ARGOR EXPLORATIONS LTD.

LOCATION MAP



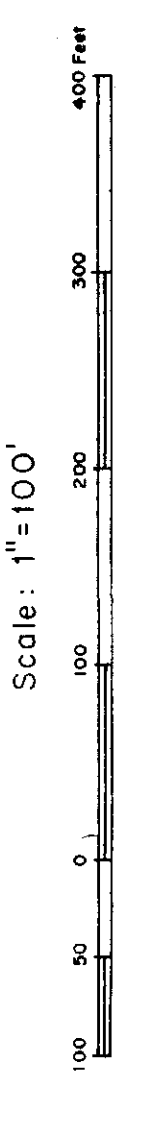
SCALE: 1 inch = 1 mile



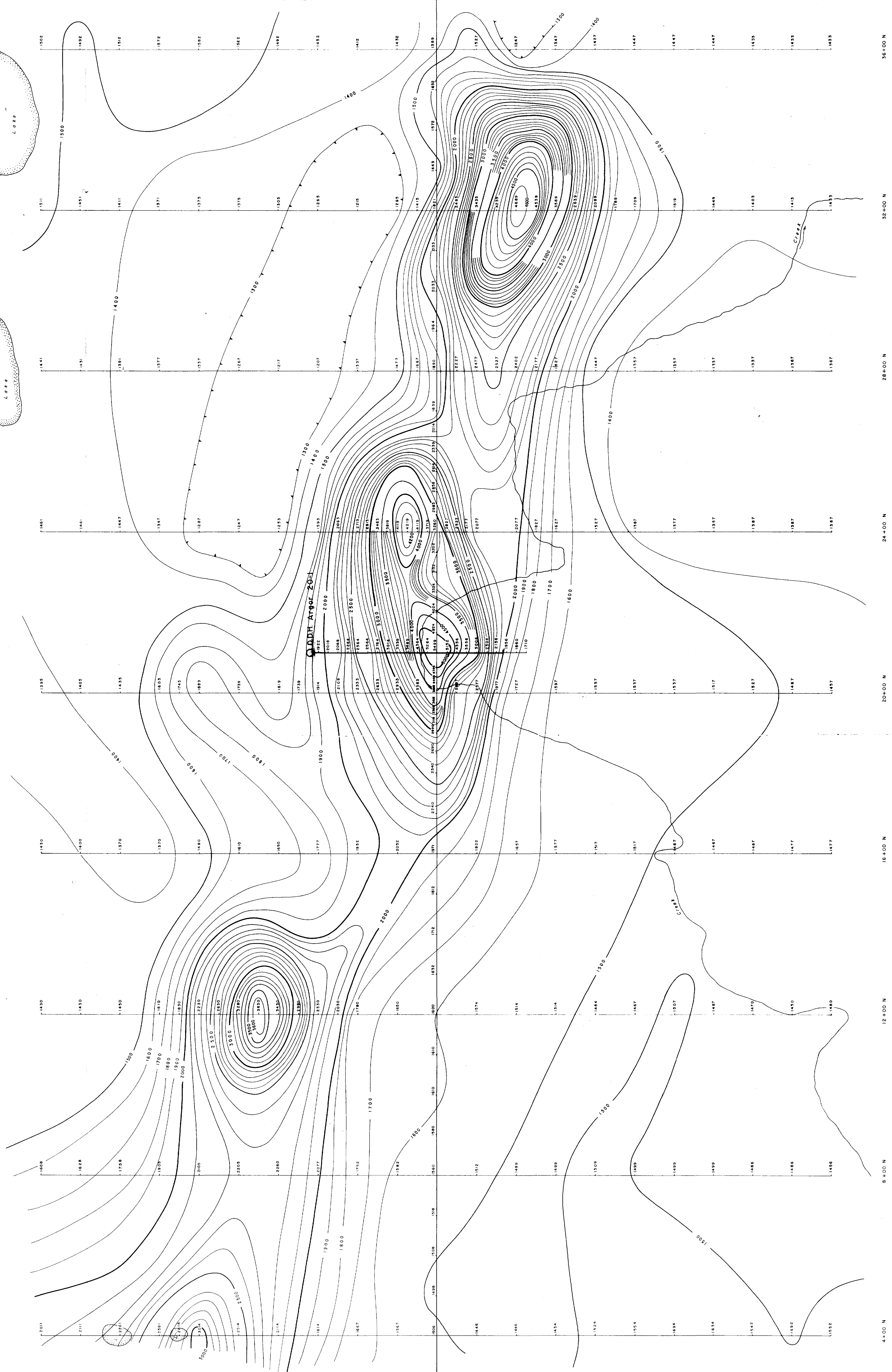
LEGEND

- 1000 Gammas
- 500 Gammas
- 100 Gammas
- Magnetic depression

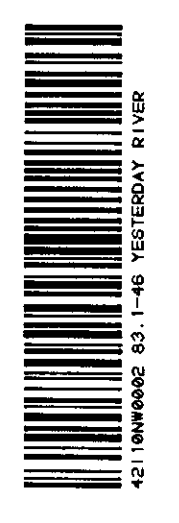
PROJECT TERRANE
 MAGNETOMETER SURVEY
 ARGOR No. 20



JANUARY, 1967
 ARGOR EXPLORATIONS LIMITED
Hubert J. Argor
 Feb 12, 1968



4+00 N 8+00 N 12+00 N 16+00 N 20+00 N 24+00 N 28+00 N 32+00 N 36+00 N



N 50°W

S 50°E

ARGOR 20-1

Overburden &
Paleozoic sediment

Mg gbf

Mag/Granulite
Mag/Basic Formation

Mg g b.f.

Dike - basic

Mg g g.f.

Mg g g.f.

GC2

ROAD

MANITOWIC

DARTMOUTH

PROJECT TERRANE

D.D.H. SECTION 21+00N

ARGOR-20

83-1-46

ARGOR EXPLORATIONS LTD

February 1992
M. Stuker Per.



360

10+00N

9+00N

8+00N

7+00N

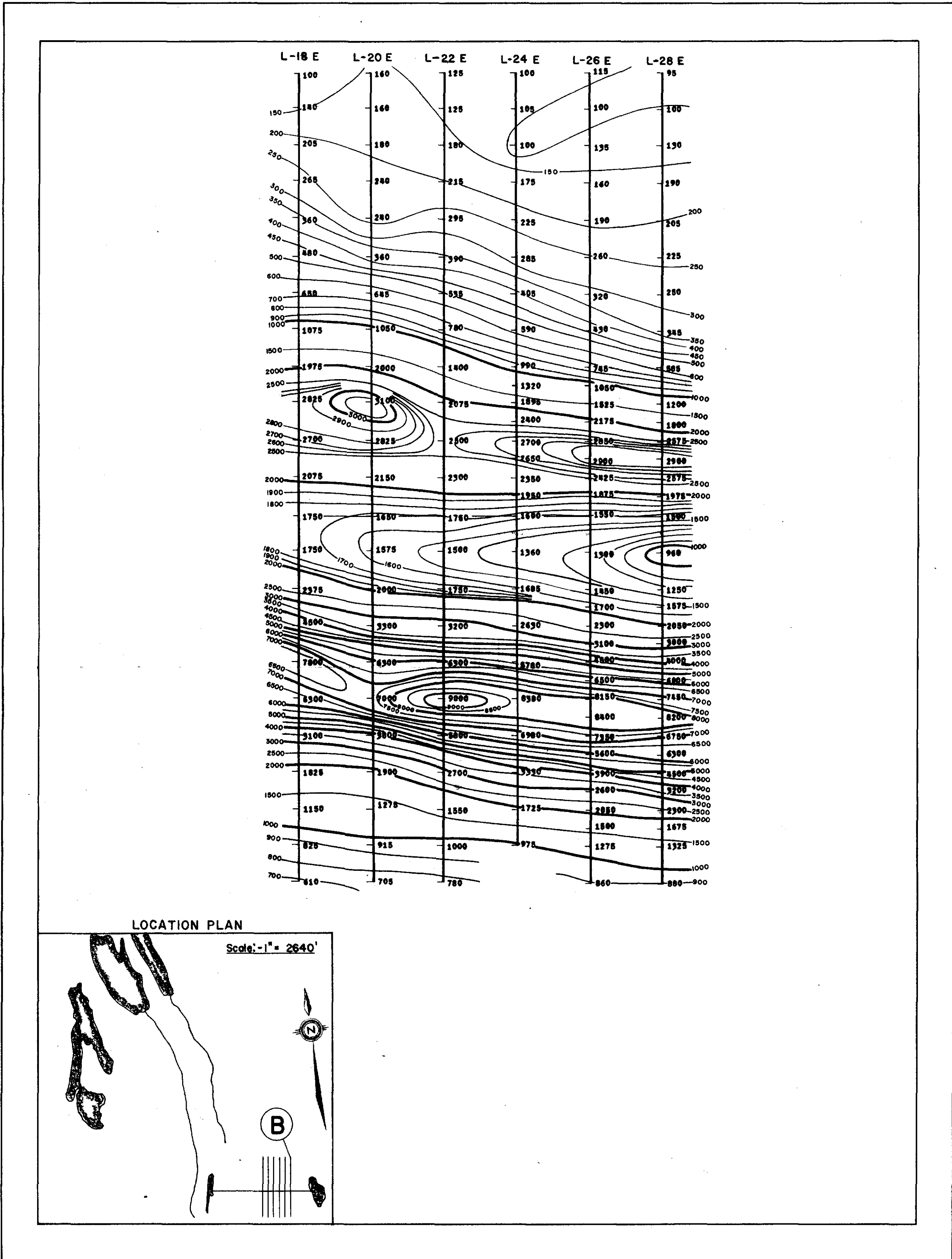
6+00N

BASELINE

McPHAR GEOPHYSICS

MAGNETOMETER SURVEY

PLAN MAP



NOTE

 1000 Contours of Magnetic
 1050 Value in Gammas
 1100



42118N0002 83.1-46 YESTERDAY RIVER

370

ARGOR EXPLORATIONS LIMITED

KESAGAMI LAKE PROJECT, PORCUPINE M.D. ONTARIO

ANOMALY-B

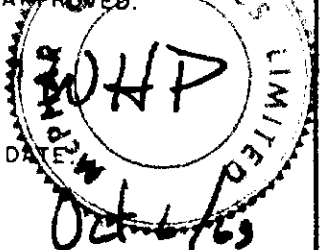
SCALE

ONE INCH EQUALS TWO HUNDRED FEET

DRAWN: DNH

DATE: SEPT 1969

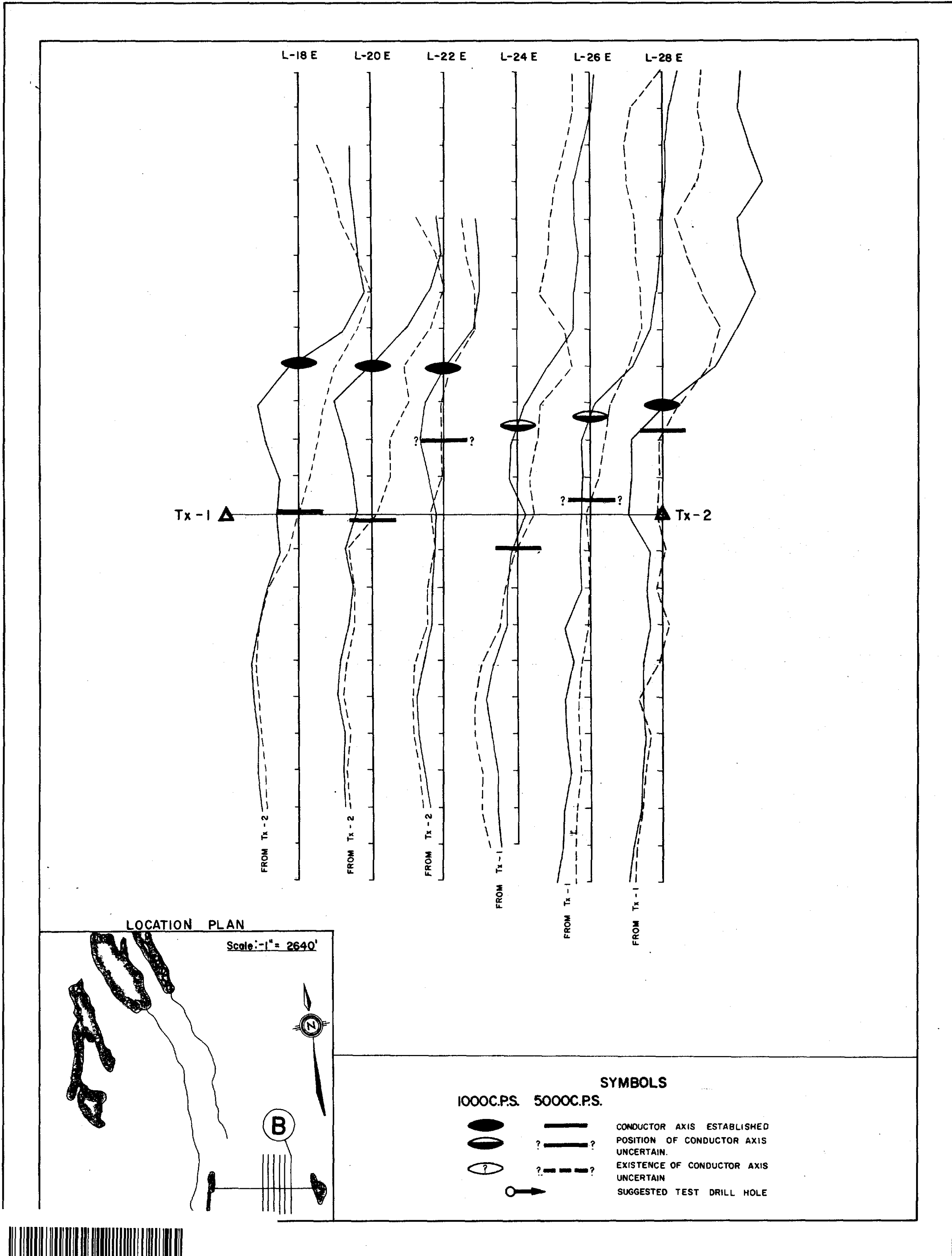
APPROVED:



McPHAR GEOPHYSICS

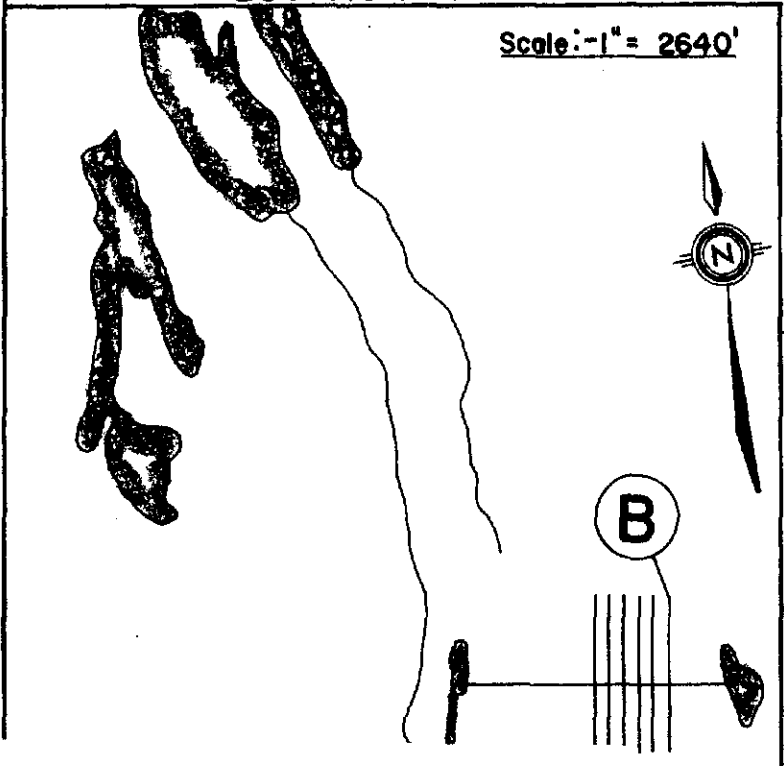
ELECTROMAGNETIC SURVEY

PLAN MAP



LOCATION PLAN

Scale: 1" = 2640'



SYMBOLS

1000C.P.S.	5000C.P.S.	
		CONDUCTOR AXIS ESTABLISHED
		POSITION OF CONDUCTOR AXIS UNCERTAIN.
		EXISTENCE OF CONDUCTOR AXIS UNCERTAIN
		SUGGESTED TEST DRILL HOLE



LEGEND

- TRANSMITTER LOCATION
 - RECEIVER TRAVERSE AND READINGS. 1000Hz
 - RECEIVER TRAVERSE AND READINGS 5000Hz
- NOTE: CORRESPONDING TRANSMITTER IS INDICATED AT THE END OF EACH SERIES OF READINGS
SCALE OF PROFILE - 1" = 20'

380

ARGOR EXPLORATIONS LIMITED

KESAGAMI LAKE PROJECT, PORCUPINE M.D. ONTARIO

ANOMALY-B

SCALE

ONE INCH EQUALS TWO HUNDRED FEET

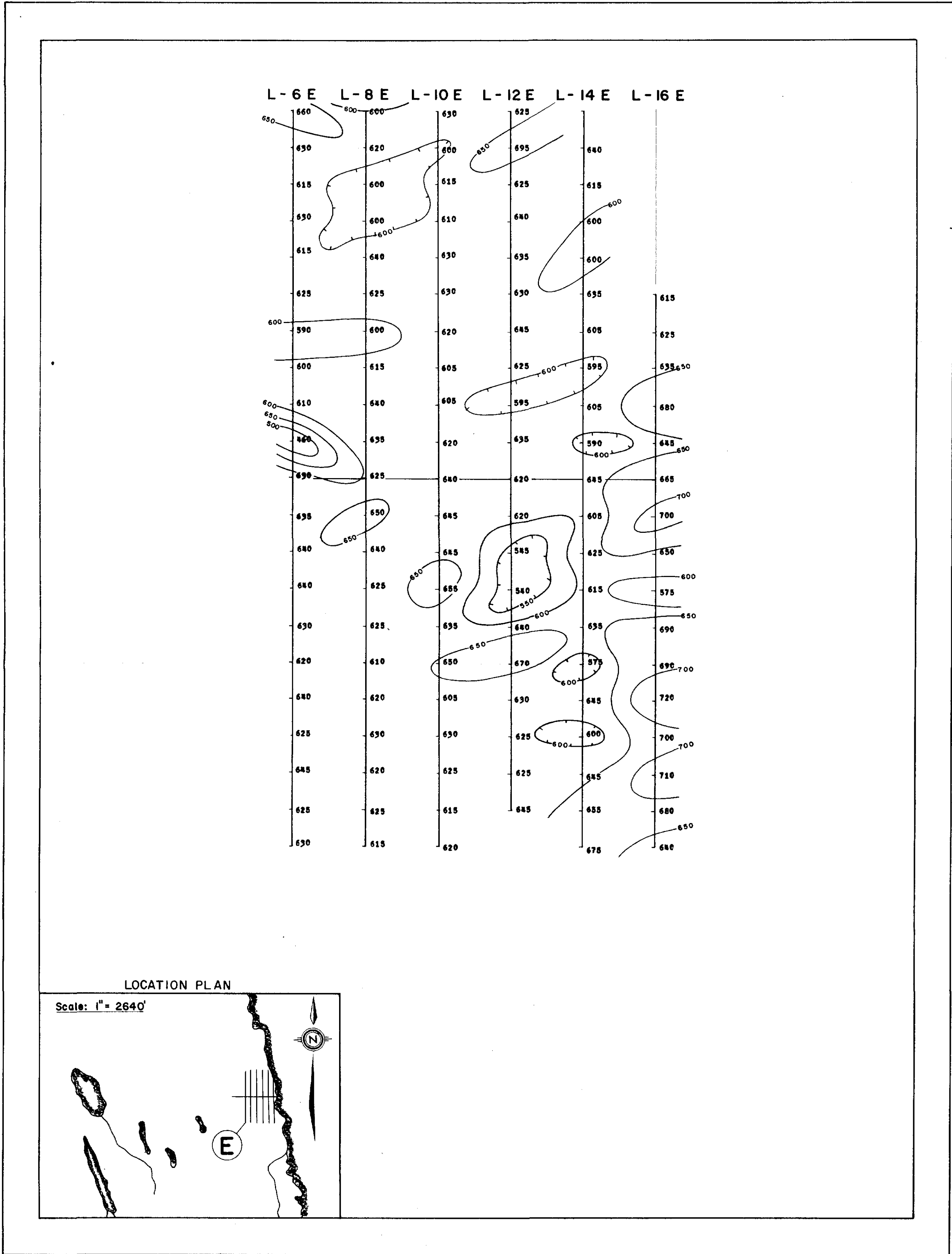
DRAWN: DNH
DATE: SEPT 1969



McPHAR GEOPHYSICS

MAGNETOMETER SURVEY

PLAN MAP



NOTE


 1000 ——— Contours of Magnetic
 1050 ——— Value in Gammas
 1100 ———

ARGOR EXPLORATIONS LIMITED
KESAGAMI LAKE PROJECT, PORCUPINE M.D. ONTARIO

ANOMALY - E

SCALE

ONE INCH EQUALS TWO HUNDRED FEET



42110NW0002 83.1-46 YESTERDAY RIVER

390

DRAWN: DNH

DATE: SEPT 1969

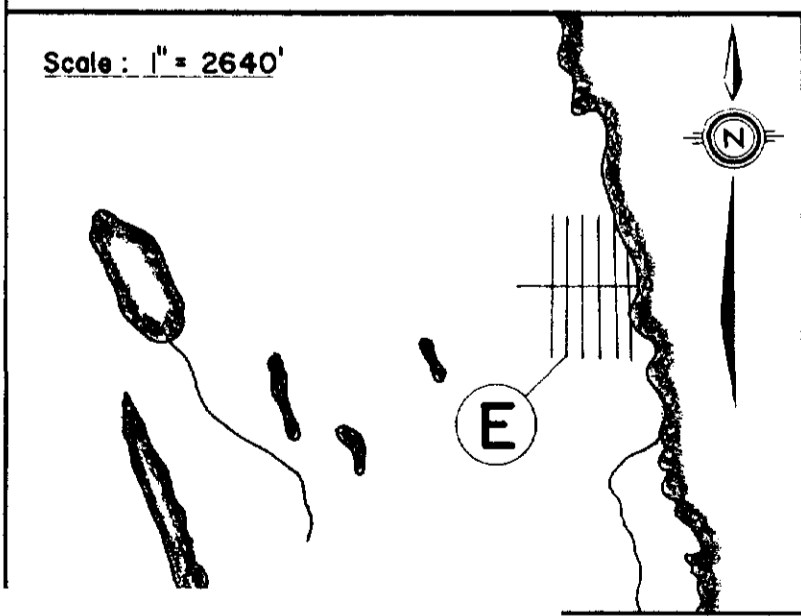
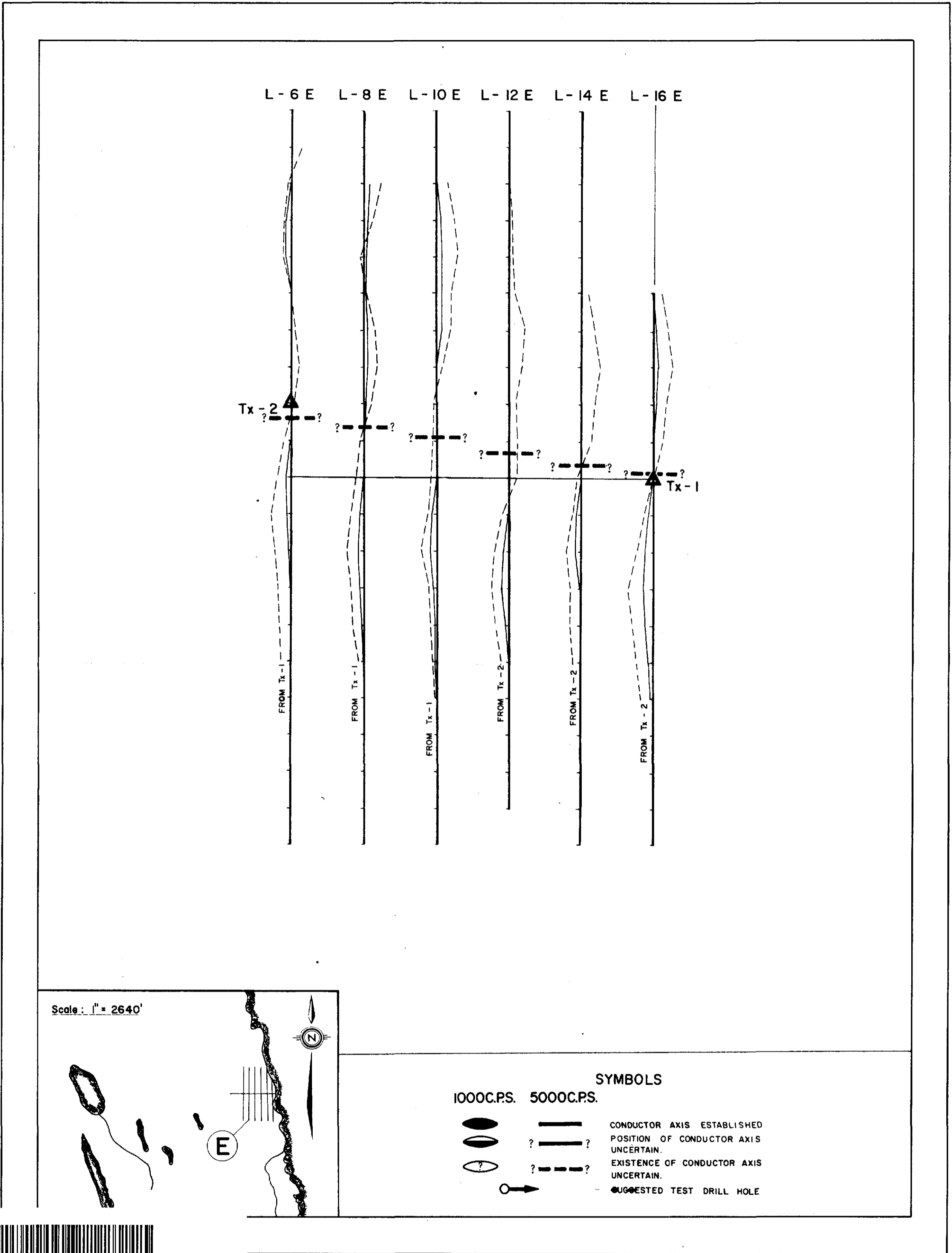
APPROVED: 

McPHAR GEOPHYSICS LIMITED

DATE: Oct 6/69

McPHAR GEOPHYSICS

ELECTROMAGNETIC SURVEY PLAN MAP



SYMBOLS

1000C.P.S.	5000C.P.S.	
		CONDUCTOR AXIS ESTABLISHED
		POSITION OF CONDUCTOR AXIS UNCERTAIN.
		EXISTENCE OF CONDUCTOR AXIS UNCERTAIN.
		SUGGESTED TEST DRILL HOLE



400

LEGEND

TRANSMITTER LOCATION
 RECEIVER TRAVERSE AND READINGS 1000Hz
 RECEIVER TRAVERSE AND READINGS 5000Hz
 NOTE: CORRESPONDING TRANSMITTER IS INDICATED AT THE END OF EACH SERIES OF READINGS
 SCALE OF PROFILE - 1" = 20'

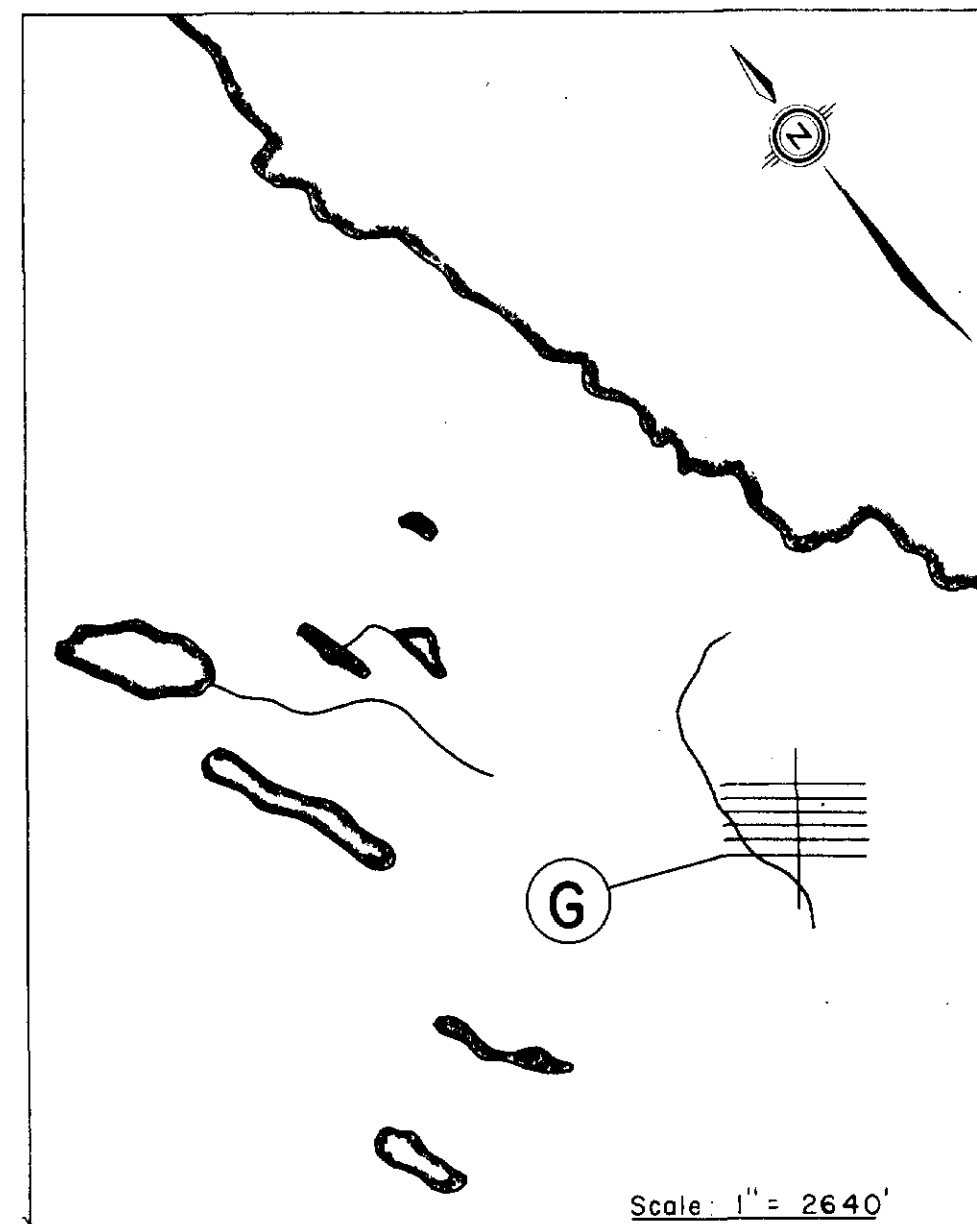
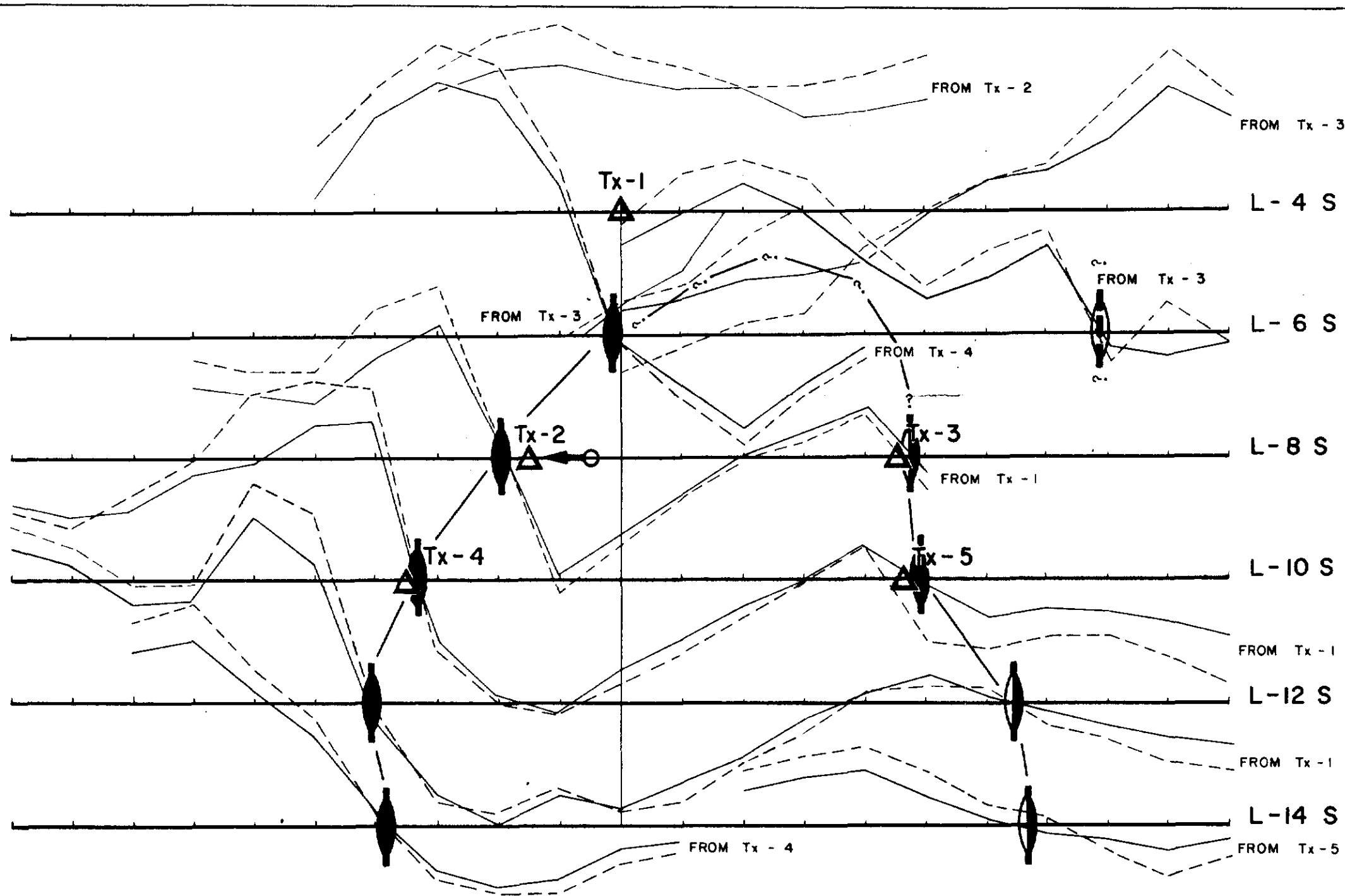
ARGOR EXPLORATIONS LIMITED
 KESAGAMI LAKE PROJECT, PORCUPINE M.D. ONTARIO
 ANOMALY - E
 SCALE
 ONE INCH EQUALS TWO HUNDRED FEET

DRAWN: DMH
 DATE: 10/6/63
 APPROVED:
 DATE: 10/6/63
 McPHAR GEOPHYSICS LIMITED

McPHAR GEOPHYSICS LIMITED

ELECTROMAGNETIC SURVEY

PLAN MAP



410

LEGEND

- TRANSMITTER LOCATION
 - RECEIVER TRAVERSE AND READINGS 1000Hz
 - RECEIVER TRAVERSE AND READINGS 5000Hz
- NOTE: CORRESPONDING TRANSMITTER IS INDICATED AT THE END OF EACH SERIES OF READINGS.
SCALE OF PROFILE - 1" = 20'

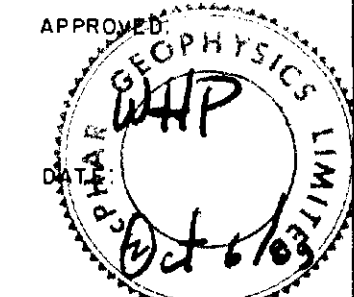
ARGOR EXPLORATIONS LIMITED
 KESAGAMI LAKE PROJECT, PORCUPINE M.D. ONTARIO

ANOMALY - G
 SCALE

ONE INCH EQUALS TWO HUNDRED FEET

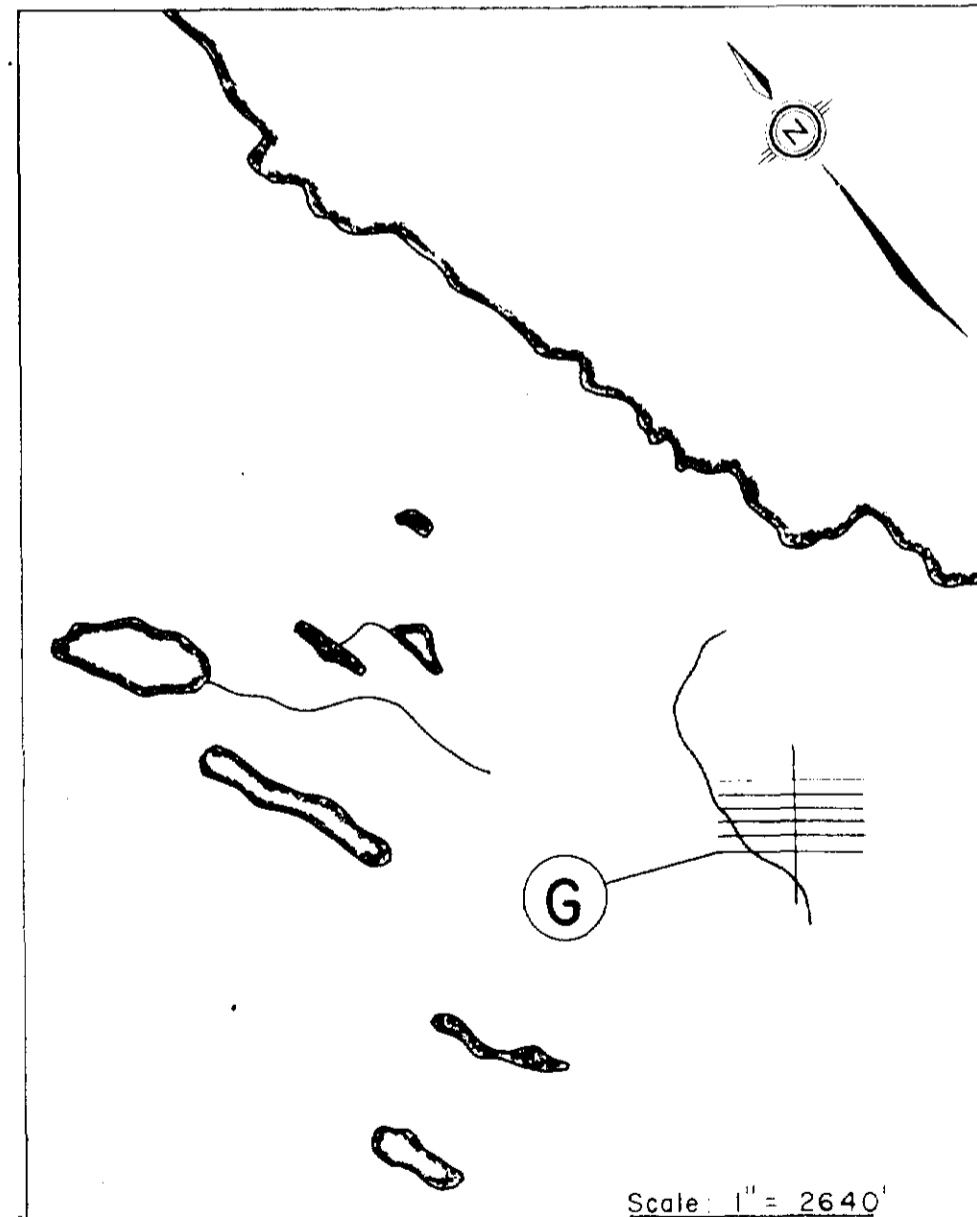
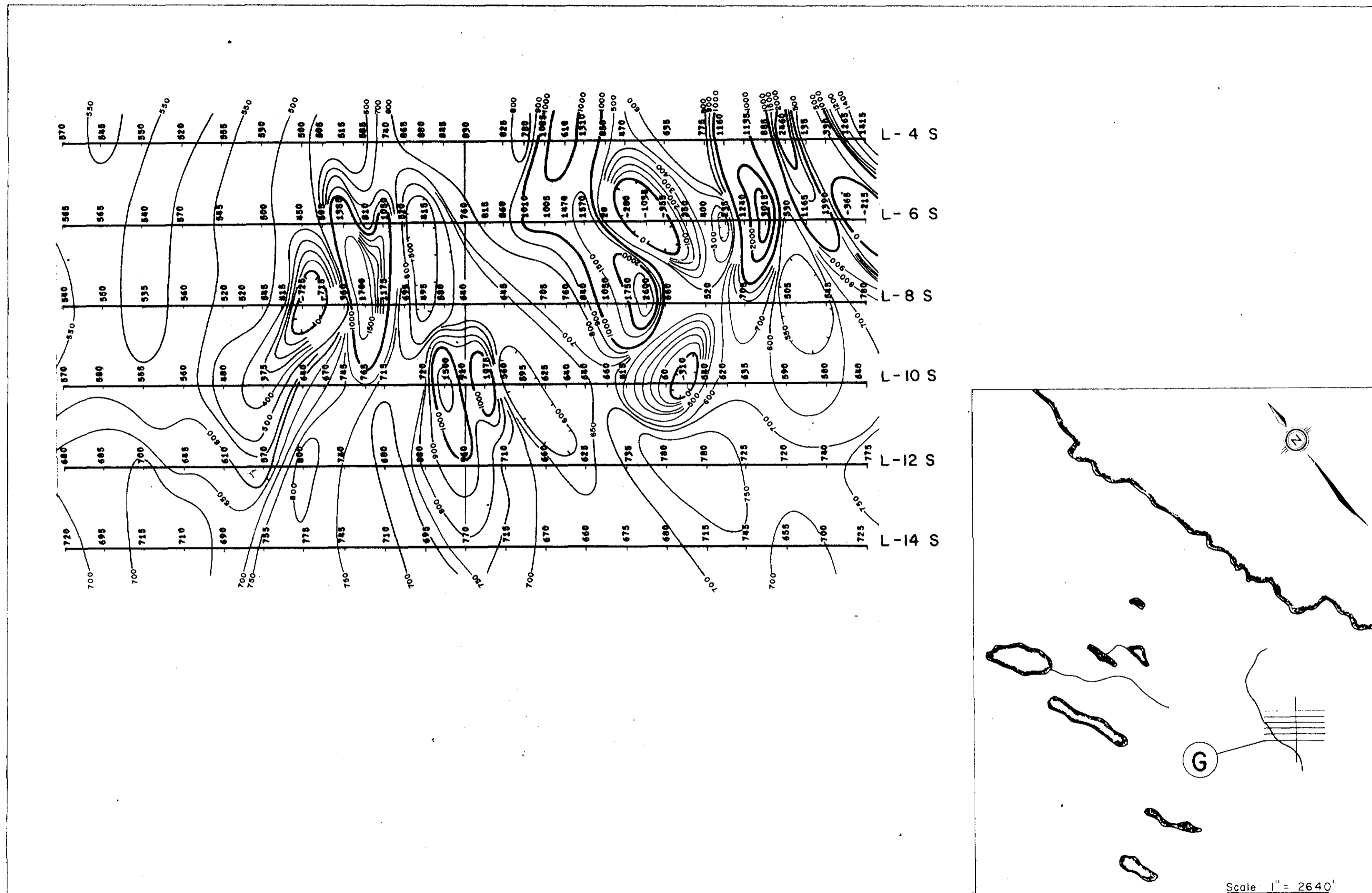
- SYMBOLS**
- | | | | | | |
|--|------------|--|------------|--|---------------------------------------|
| | 1000C.P.S. | | 5000C.P.S. | | CONDUCTOR AXIS ESTABLISHED |
| | ? | | ? | | POSITION OF CONDUCTOR AXIS UNCERTAIN |
| | ? | | ? | | EXISTENCE OF CONDUCTOR AXIS UNCERTAIN |
| | | | | | SUGGESTED TEST DRILL HOLE |

DRAWN: DNH
 DATE: SEPT 1969



McPHAR GEOPHYSICS LIMITED

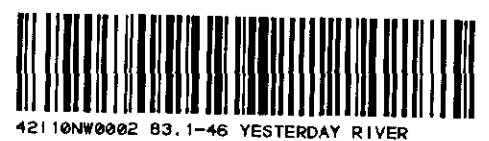
MAGNETOMETER SURVEY PLAN MAP



NOTE
 ——— 1000 ——— Contours of Magnetic
 ——— 1050 ——— Value in Gammas
 ——— 1100 ———

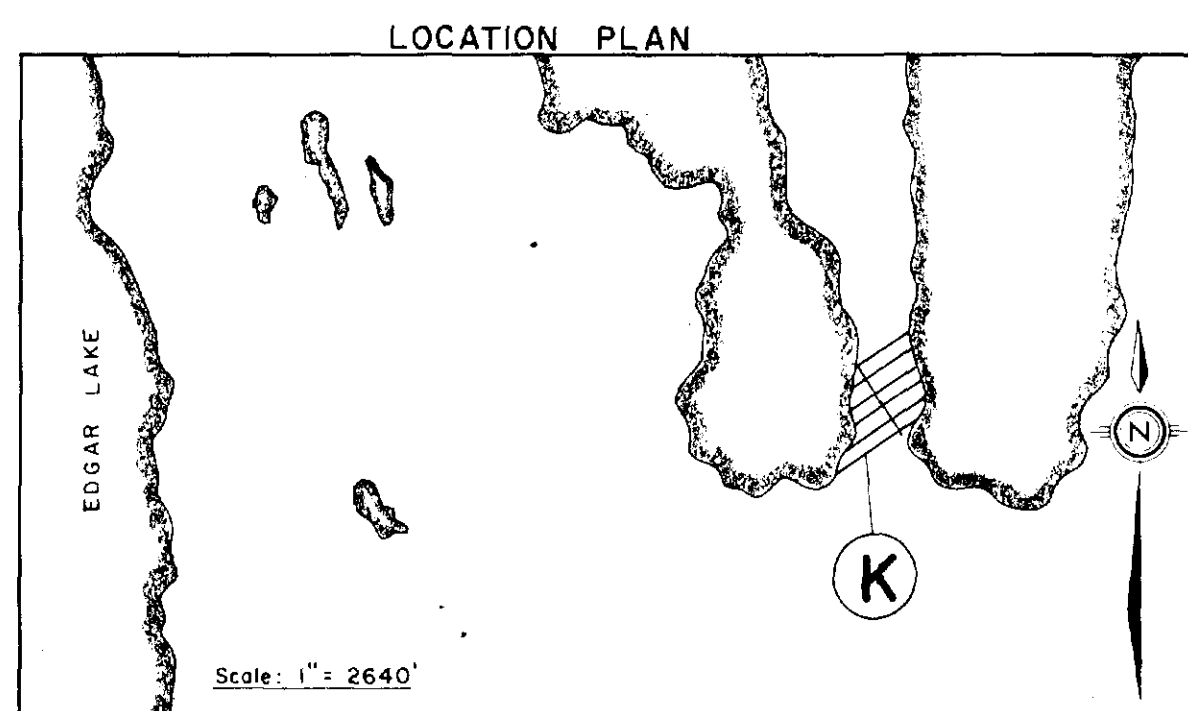
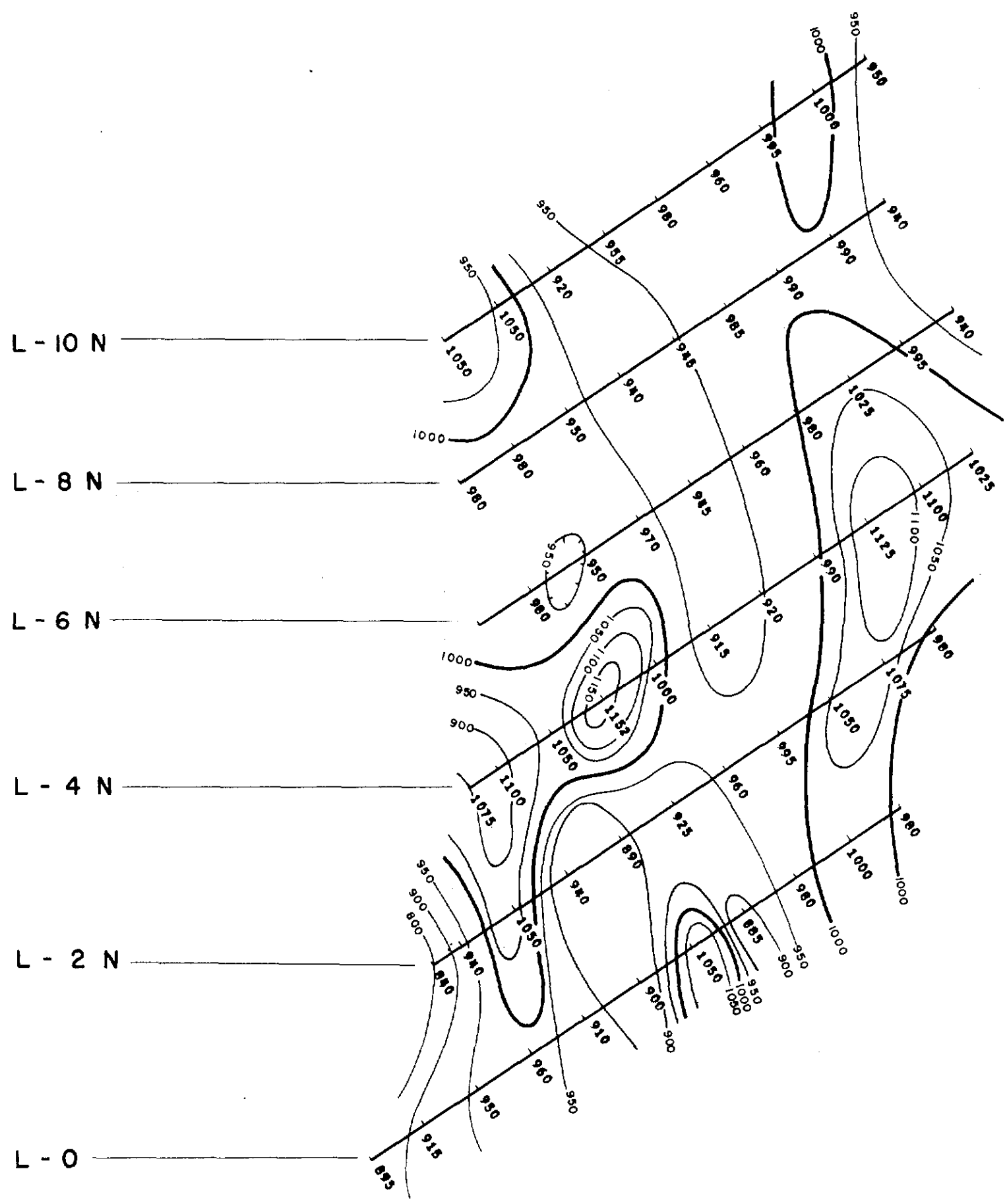
ARGOR EXPLORATIONS LIMITED
 KESAGAMI LAKE PROJECT, PORCUPINE M.D. ONTARIO
 ANOMALY - G
 SCALE
 ONE INCH EQUALS TWO HUNDRED FEET

DRAWN DNH
 DATE SEPT 1989
 APPROVED
 WHP
 OCT 6 1989



McPHAR GEOPHYSICS LIMITED

MAGNETOMETER SURVEY PLAN MAP



NOTE

1000 Contours of Magnetic
1050 Value in Gammas
1100

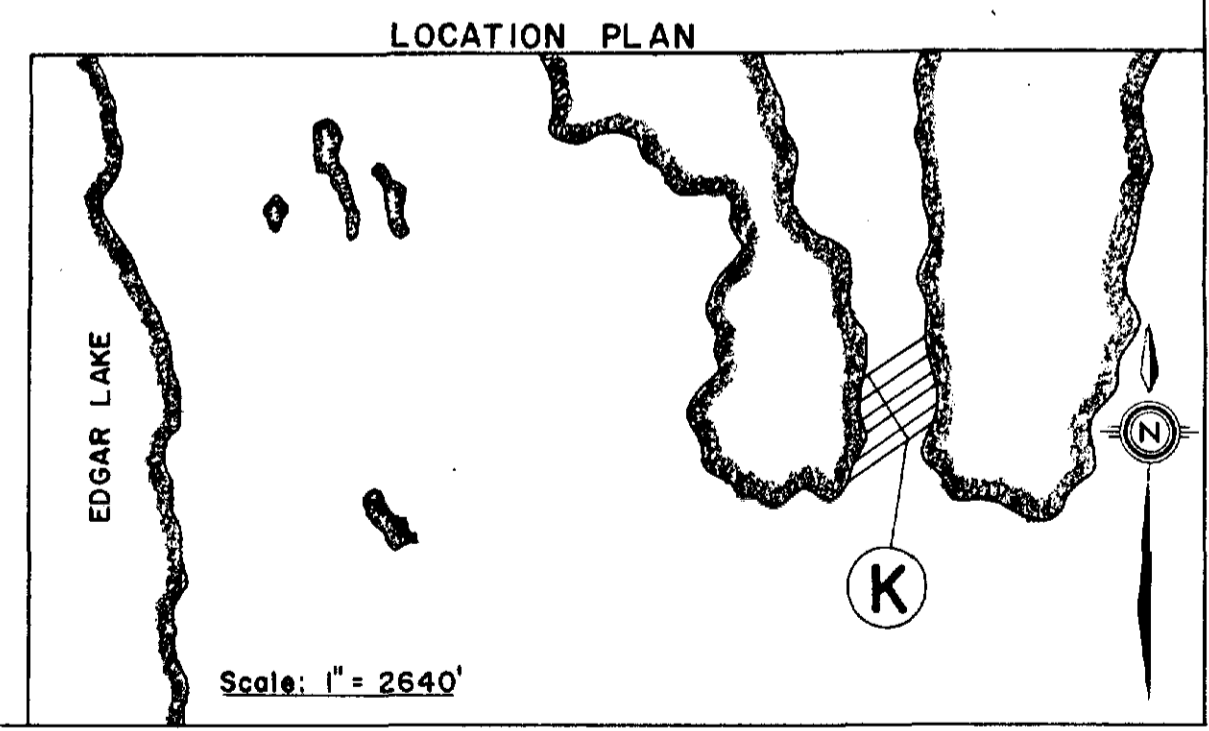
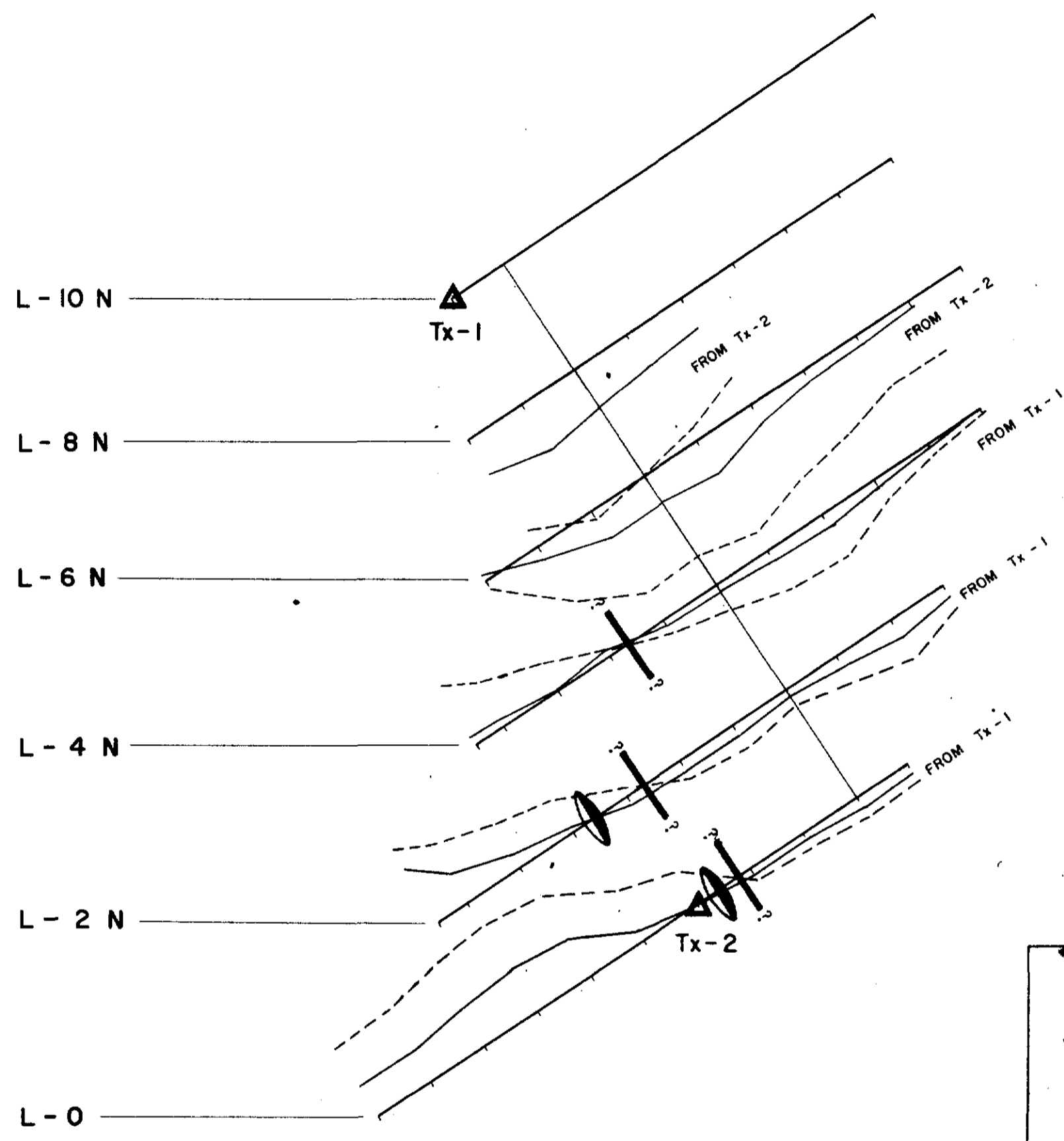
ARGOR EXPLORATIONS LIMITED
KESAGAMI LAKE PROJECT, PORCUPINE M.D. ONTARIO
ANOMALY - K
SCALE
ONE INCH EQUALS TWO HUNDRED FEET



DRAWN: DNH
DATE: SEPT 1988
APPROVED: WHP
DATE: Oct 6/88
McPHAR GEOPHYSICS LIMITED

McPHAR GEOPHYSICS LIMITED

ELECTROMAGNETIC SURVEY PLAN MAP



LEGEND

- TRANSMITTER LOCATION
- RECEIVER TRAVERSE AND READINGS 1000Hz
- RECEIVER TRAVERSE AND READINGS 5000 Hz
- RESPONDING TRANSMITTER ED AT THE END OF EACH READINGS.
- PROFILE - 1" = 20'

ARGOR EXPLORATIONS LIMITED

KESAGAMI LAKE PROJECT, PORCUPINE M.D. ONTARIO

ANOMALY - K

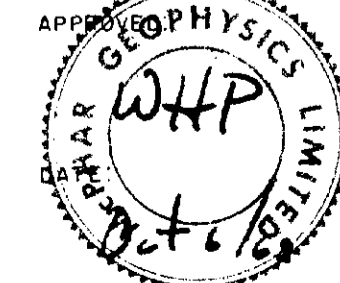
SCALE

ONE INCH EQUALS TWO HUNDRED FEET

SYMBOLS

- | | | | | | |
|--|------------|--|------------|--|---------------------------------------|
| | 1000C.P.S. | | 5000C.P.S. | | CONDUCTOR AXIS ESTABLISHED |
| | ? | | ? | | POSITION OF CONDUCTOR AXIS UNCERTAIN. |
| | ? | | ? | | EXISTENCE OF CONDUCTOR AXIS UNCERTAIN |
| | | | | | SUGGESTED TEST DRILL HOLE |

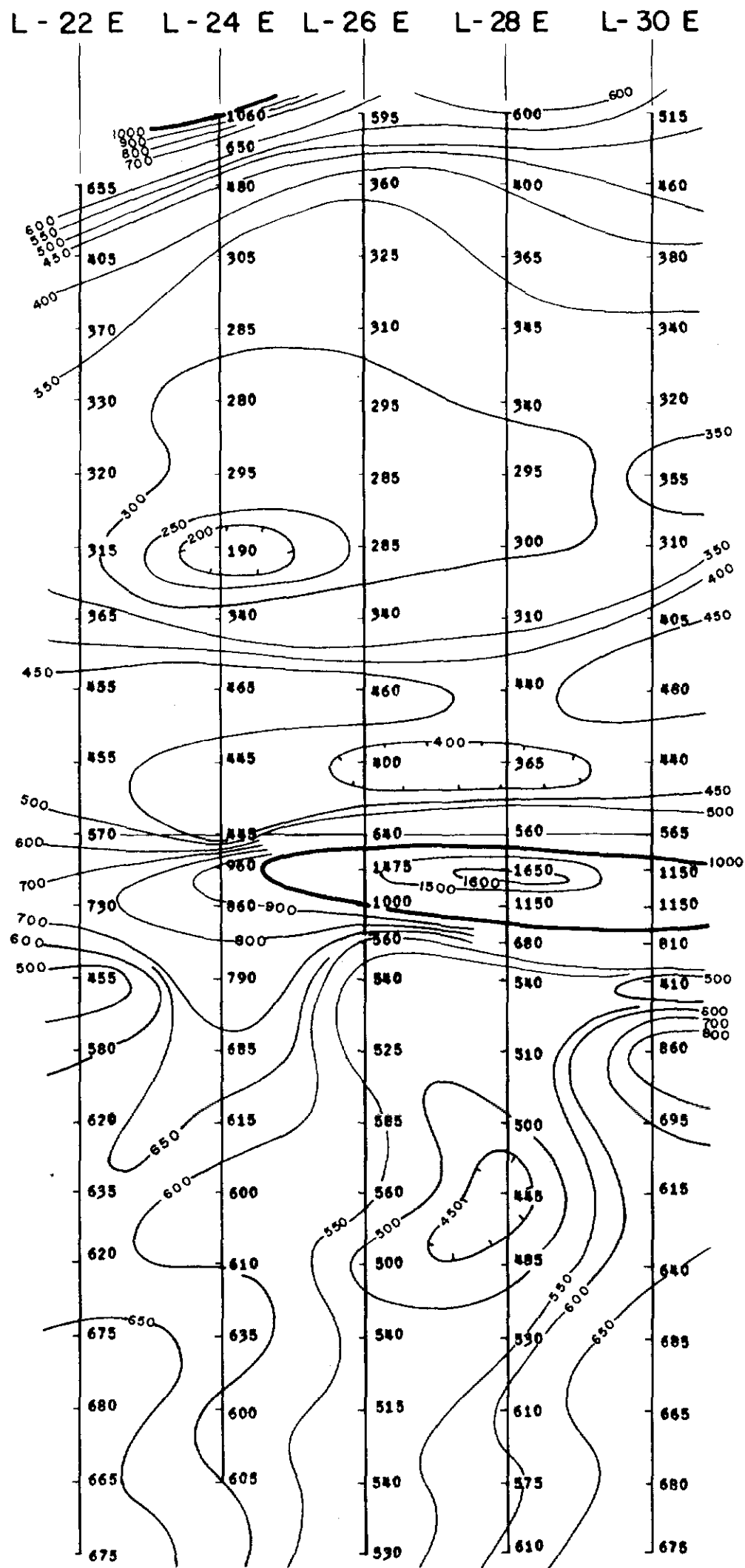
DRAWN: DNH
DATE: SEPT. 1969



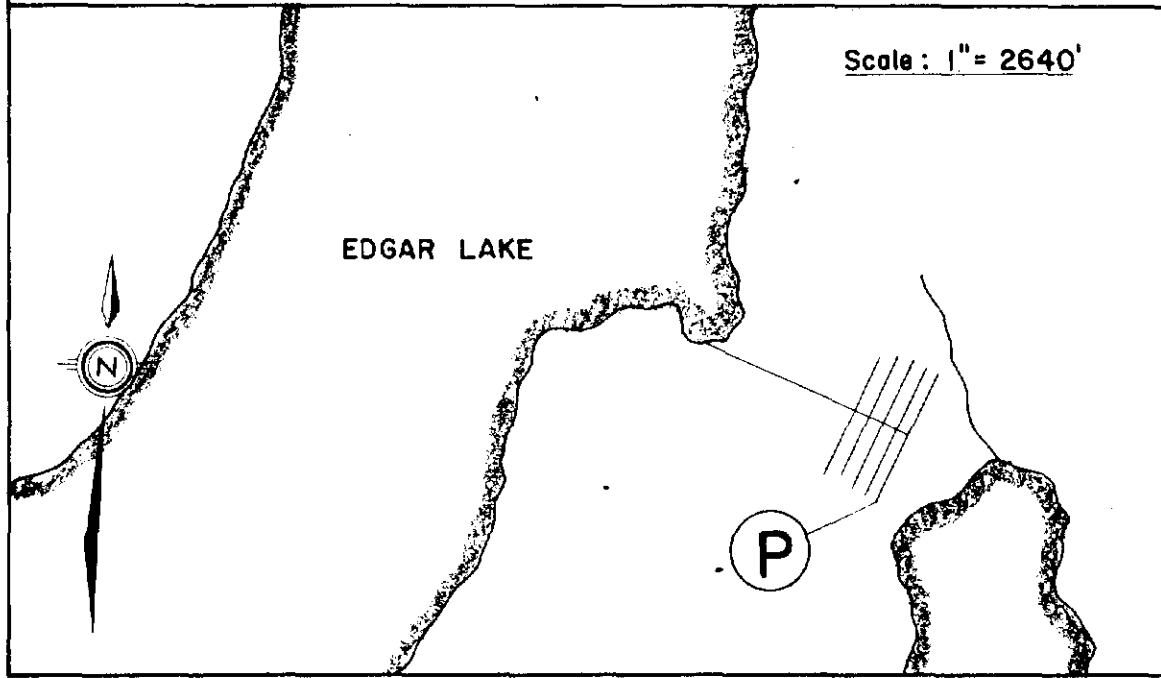
McPHAR GEOPHYSICS

MAGNETOMETER SURVEY

PLAN MAP



LOCATION PLAN



NOTE

Contours of Magnetic
 Value in Gammas

ARGOR EXPLORATIONS LIMITED

KESAGAMI LAKE PROJECT, PORCUPINE M.D. ONTARIO

ANOMALY - P

SCALE

ONE INCH EQUALS TWO HUNDRED FEET



DRAWN: DNH
 DATE: SEPT. 1969

APPROVED:

DATE:

DATE:

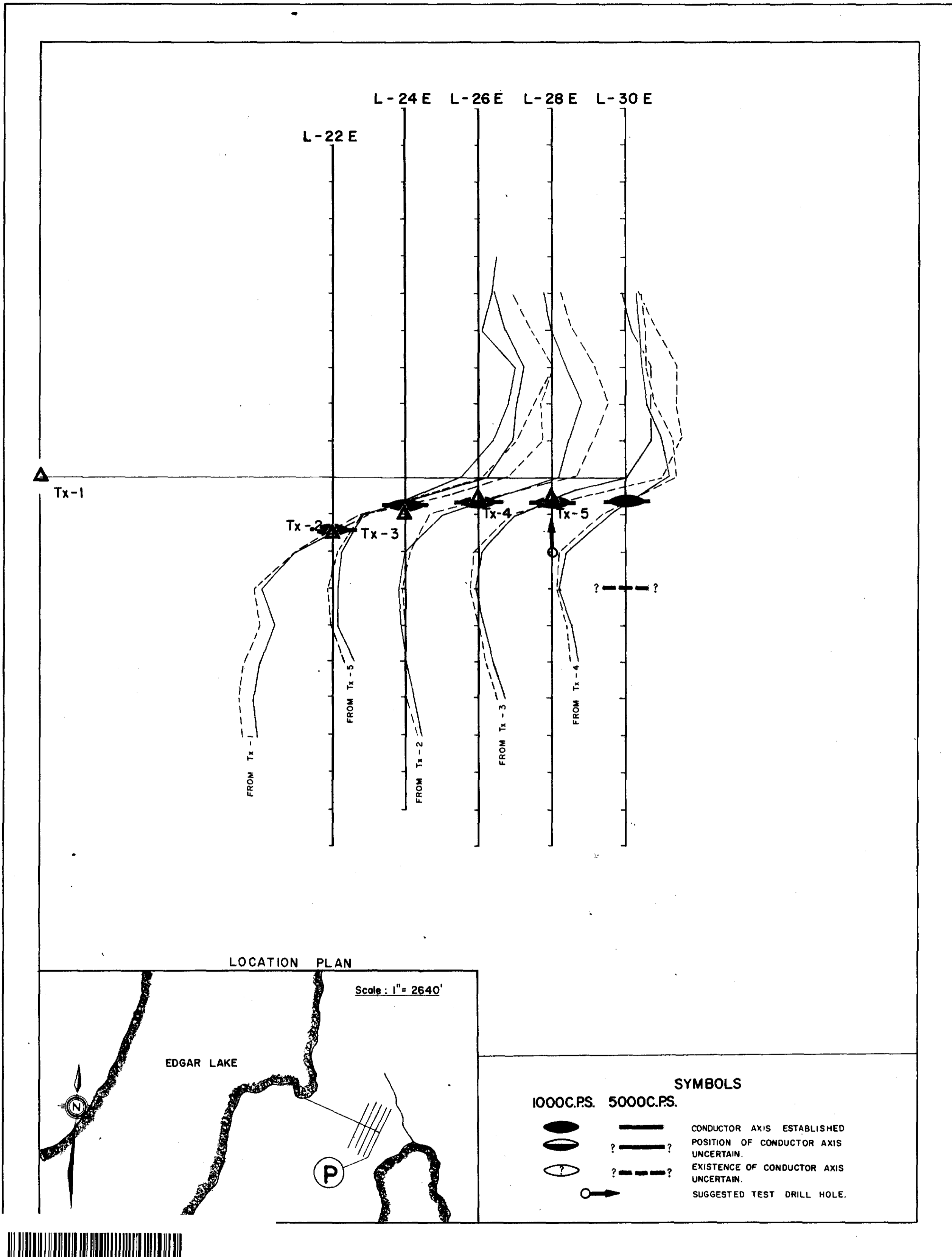
DATE:

DATE:

DATE:

McPHAR GEOPHYSICS

ELECTROMAGNETIC SURVEY PLAN MAP



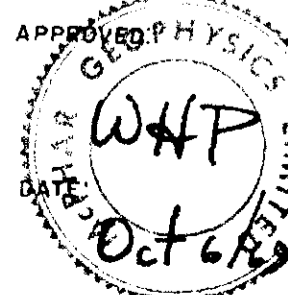
LEGEND

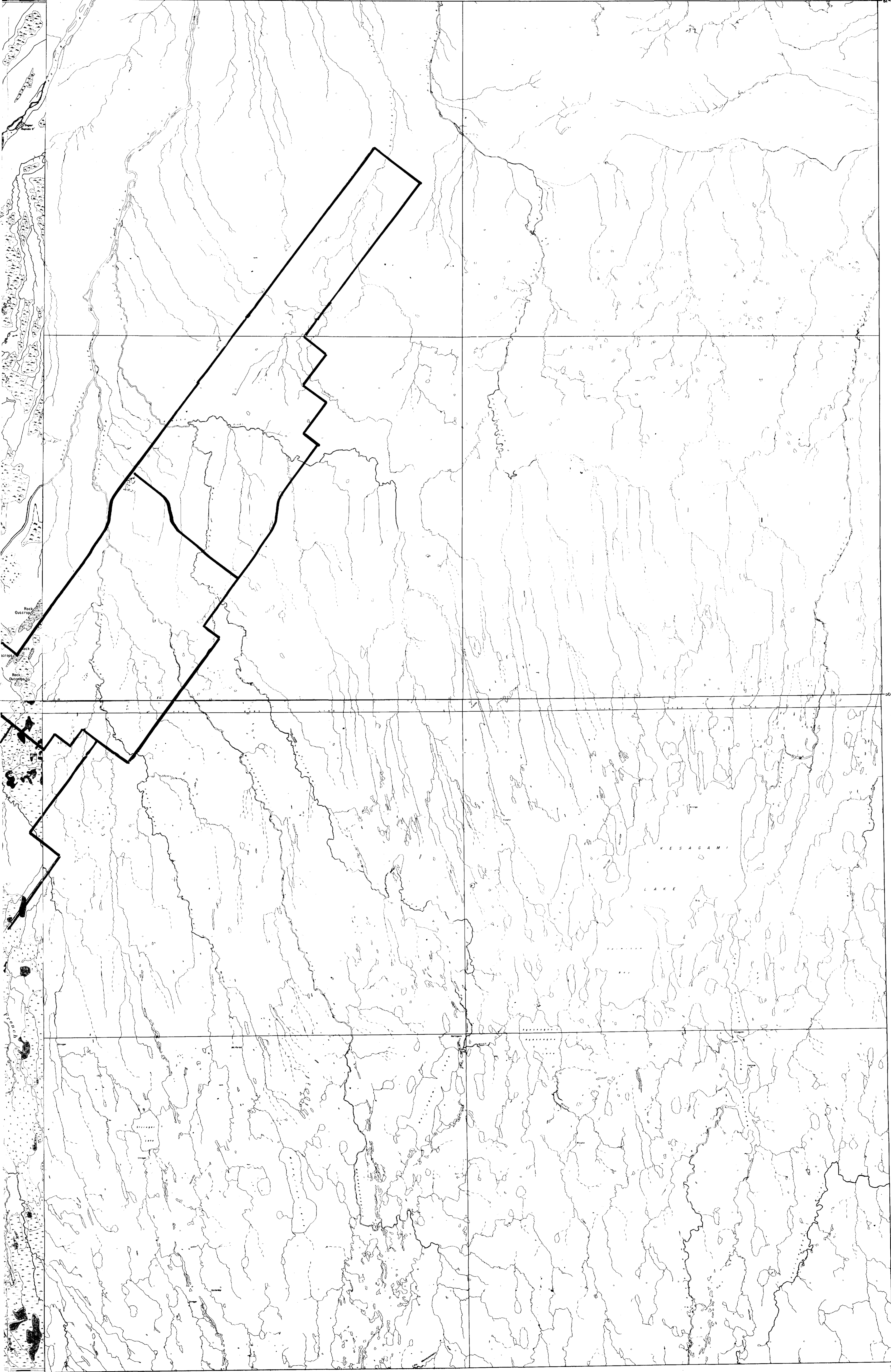
- TRANSMITTER LOCATION
 - RECEIVER TRAVERSE AND READINGS 1000Hz
 - RECEIVER TRAVERSE AND READINGS 5000Hz
- NOTE: CORRESPONDING TRANSMITTER IS INDICATED AT THE END OF EACH SERIES OF READINGS
SCALE OF PROFILE - 1" = 20'

460

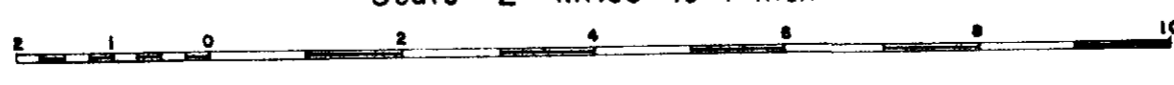
ARGOR EXPLORATIONS LIMITED
KESAGAMI LAKE PROJECT, PORCUPINE M.D. ONTARIO
ANOMALY - P
SCALE
ONE INCH EQUALS TWO HUNDRED FEET

DRAWN: DNH
 DATE: SEPT. 1969



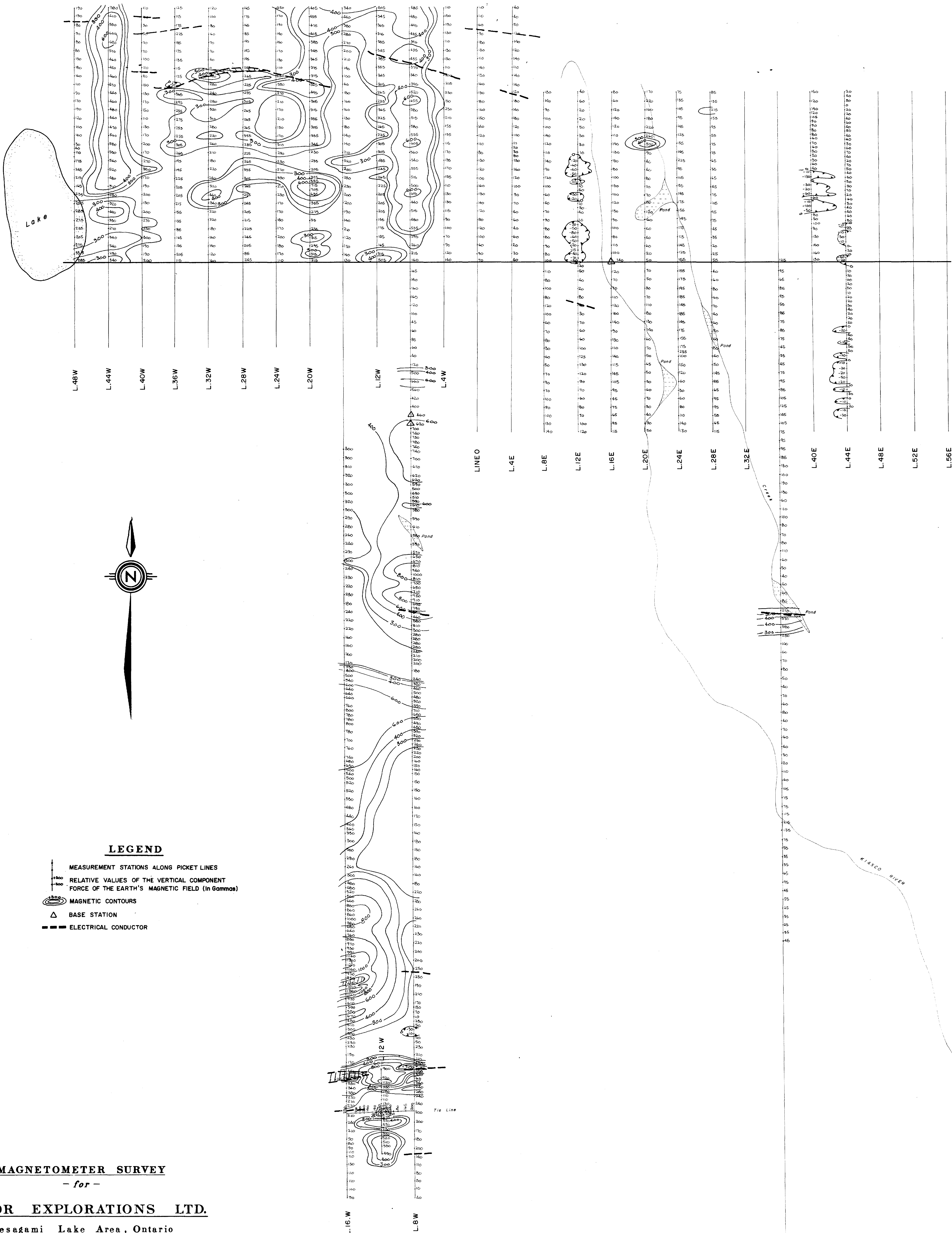


Scale 2 Miles to 1 Inch



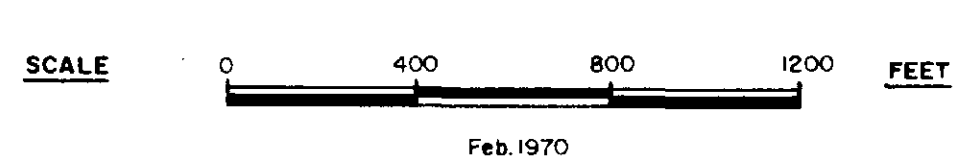
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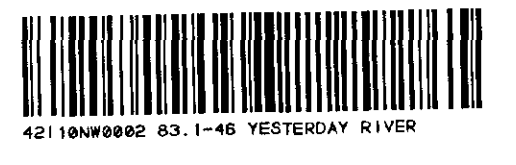


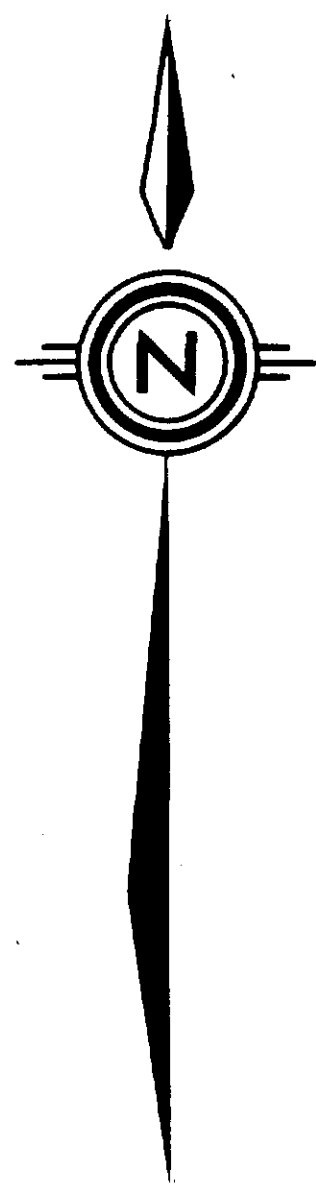
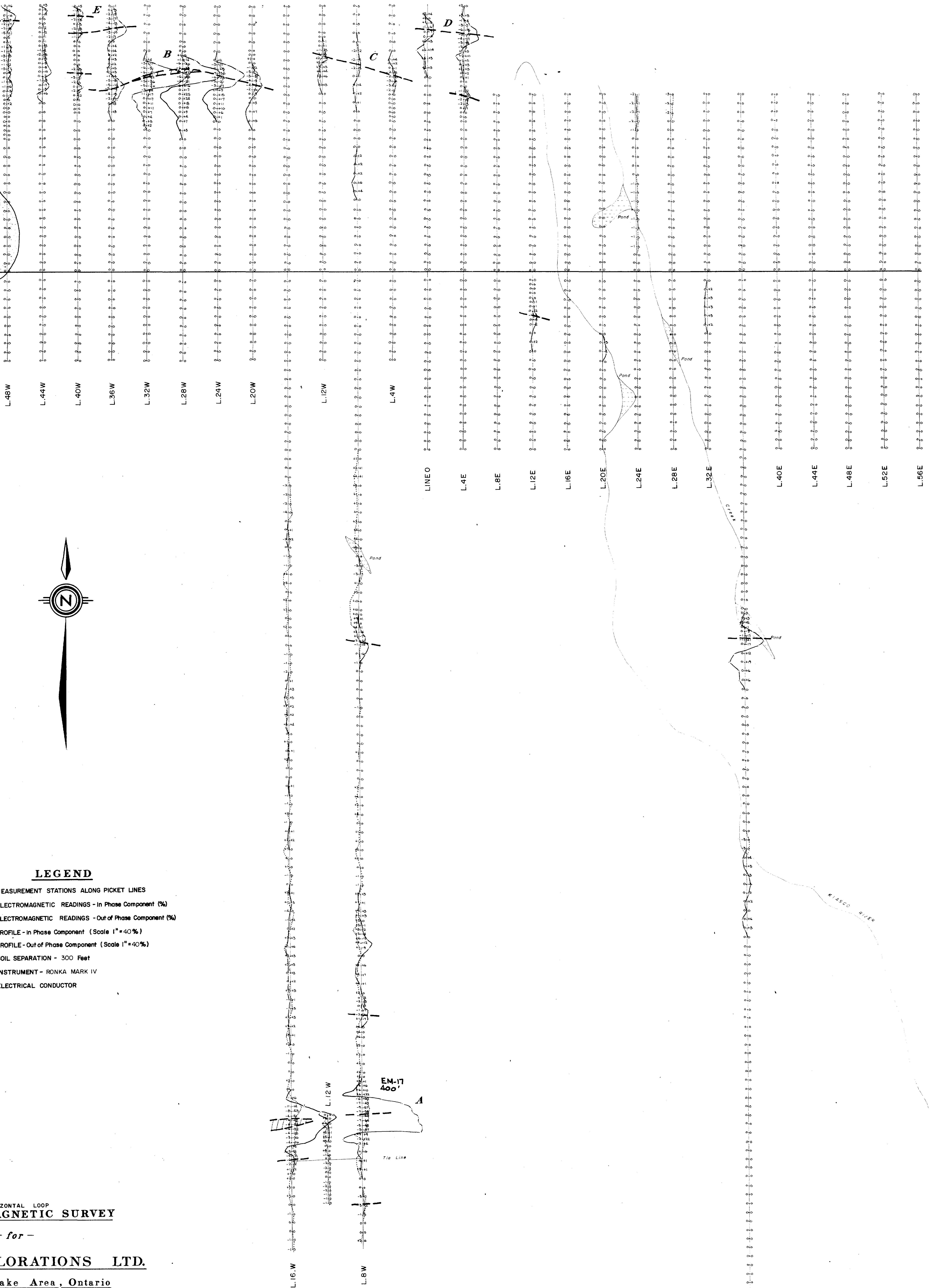
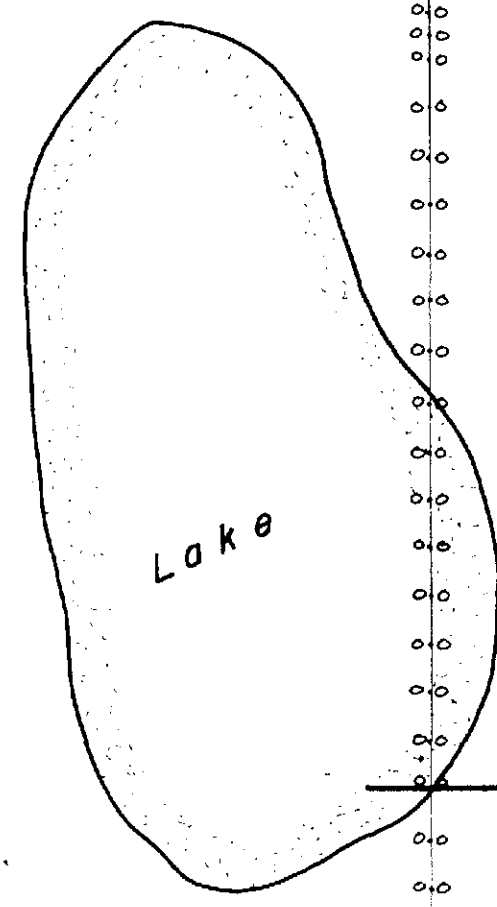
- LEGEND**
- +— MEASUREMENT STATIONS ALONG PICKET LINES
 - +— RELATIVE VALUES OF THE VERTICAL COMPONENT FORCE OF THE EARTH'S MAGNETIC FIELD (in Gammas)
 - MAGNETIC CONTOURS
 - △ BASE STATION
 - — — ELECTRICAL CONDUCTOR

MAGNETOMETER SURVEY
 - for -
ARGOR EXPLORATIONS LTD.
 Kesagami Lake Area, Ontario



PGL PROSPECTING GEOPHYSICS LTD.





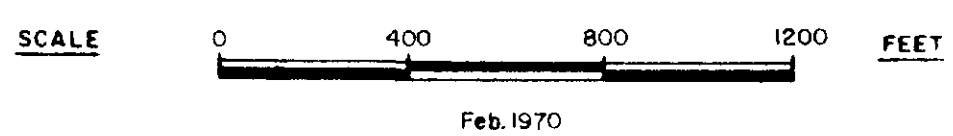
LEGEND

- MEASUREMENT STATIONS ALONG PICKET LINES
- ELECTROMAGNETIC READINGS - In Phase Component (%)
- ELECTROMAGNETIC READINGS - Out of Phase Component (%)
- PROFILE - In Phase Component (Scale 1"=40')
- PROFILE - Out of Phase Component (Scale 1"=40')
- COIL SEPARATION - 300 Feet
- INSTRUMENT - RONKA MARK IV
- ELECTRICAL CONDUCTOR

**HORIZONTAL LOOP
ELECTROMAGNETIC SURVEY**

- for -

ARGOR EXPLORATIONS LTD.
Kesagami Lake Area, Ontario



Feb. 1970



PROSPECTING GEOPHYSICS LTD.

