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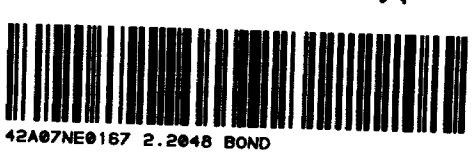


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# REPORT ON INVESTIGATION

# BOND AND SHERATON TOWNSHIPS

# FOR THE JOINT VENTURERS

# ONTARIO PAPER CO. LTD.

# AND

# GEOMONT EXPLORATION CO. LTD.

JANUARY 22, 1976

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Toronto, Ontario

on this file
now

J. A. McGregor, P. Eng.
Consulting Geologist


T. Gledhill, P. Eng.
Consulting Geophysicist

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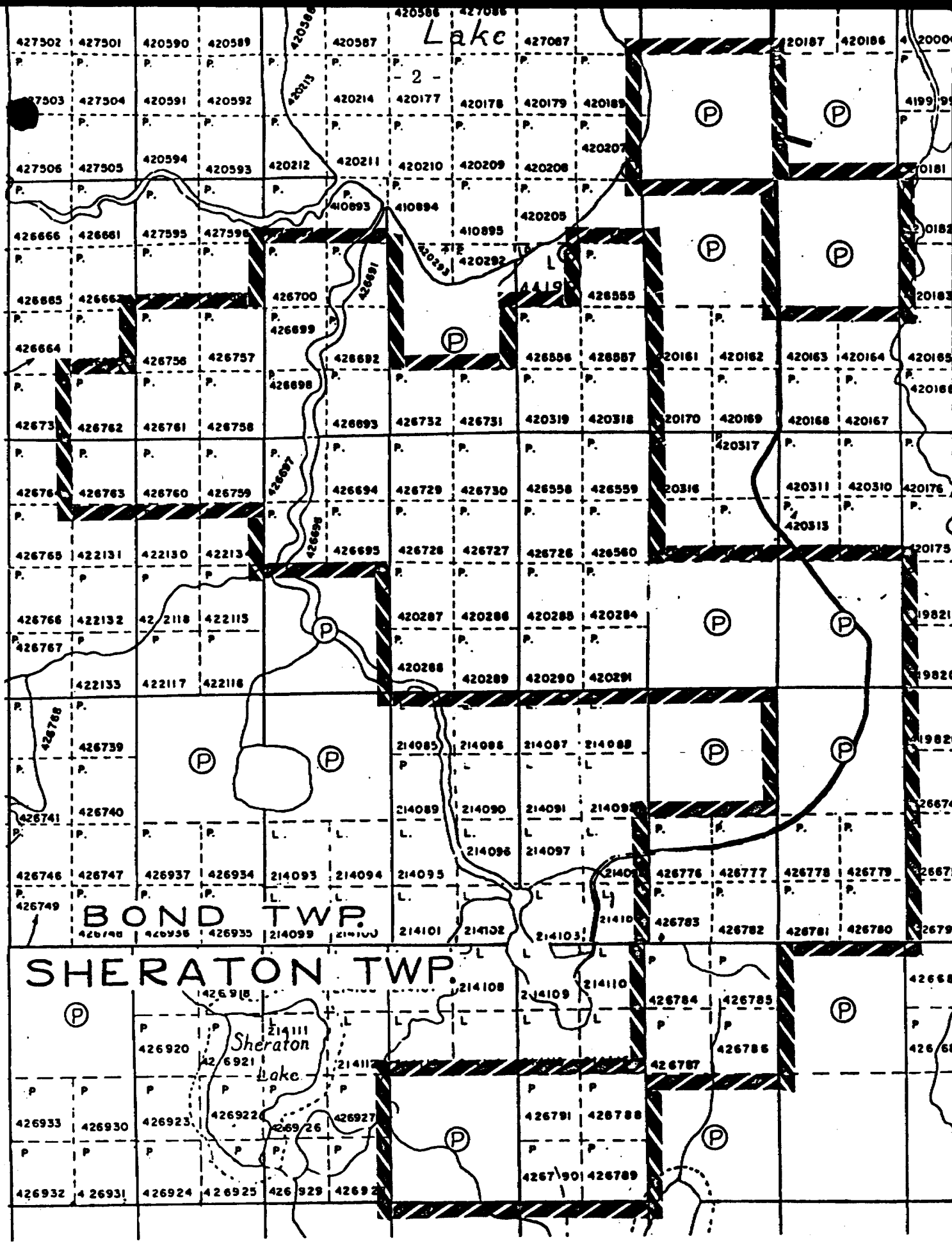
## SUMMARY

Property of the joint venture, consisting of 57 claims and 6 half lots in Bond and Sheraton Townships, was investigated by induced polarization and magnetic surveys, and by geological mapping.

The geophysics outlined 14 targets, but most of these are weak and are not considered worth further investigation. The geological and geophysical work suggests that the sedimentary unit, known to be mineralized with Zn-Cu-Pb to the west and east, is present in subdued form on the property. One drill hole at Anomaly 4 would be the most likely to encounter the unit, but the anomaly needs further definition and land to the east should be acquired. Anomaly 8 occurs wholly in Opco freehold land in the north half of Lot 2, Con. III. It merits drilling at some convenient time.




PROPERTY MAP - BOND AND SHERATON TOWNSHIPS

Scale 1" = 1/2 mile

## PROPERTY

The property was assembled by the joint venture after a staking rush which developed from news of a copper-zinc mineral discovery in Currie Township. Most of the property shown on the claim map on the preceding page, consists of freehold land owned by Ontario Paper Co. Ltd., and claims in the Townships of Bond and Sheraton, staked in April, 1975, and transferred to Geomont Exploration Co. Ltd. Because these are surveyed townships claim tags can be moved to proper positions, if needed, and fractions do not exist if the claims are approximately in place, and properly recorded. An error of 1300 feet in the southwestern group was discovered by the writer. It was considered perhaps too large for this type of correction to be made at a future date, and the stakers were instructed to correct the error. Documentation of the correction is in Appendix 2, and the corrected claim locations are indicated on the accompanying South Sheet.

The balance of the property, consisting of a single half lot of freehold land in Currie Township, was not explored because of the geophysical technique used on the rest of the property is not very suitable for such a small area. A planned EM survey was postponed.

The properties contributed to the venture by the two parties are as listed on the next page.

Ontario Paper Co. Ltd. - seven patented 1/2 lots

Sheraton Township

S 1/2 L5 C6

Bond Township

N 1/2 L2 C1
S 1/2 L2 C2
S 1/2 L3 C2
N 1/2 L2 C3
S 1/2 L3 C4

Currie Township

S 1/2 L 11 C4

Geomont Exploration Co. Ltd. - 57 claims

Bond Township

420318 to 420319 inclusive
420284 to 420291 inclusive
426555 to 426560 inclusive
426691 to 426700 inclusive
426726 to 426732 inclusive
426756 to 426763 inclusive
426776 to 426783 inclusive

Sheraton Township

426784 to 426791 inclusive

## ACCESS

The properties are accessible from Highway 101, a mile west of Shillington. An all-weather road runs south about two miles to the Driftwood River, and the properties can then be reached by up to 5 miles of canoe travel in summer. There are good winter roads into the area.

PREVIOUS WORK

Mapping by Ontario Department of Mines in the area dates back to the early nineteen hundreds when parts of the land were cleared for agriculture, and gold prospecting was active.

In Annual Report Volume XXXI, Part 7, 1922, on the Waterbeag Area, part of Sheraton Township was described briefly, and the township was more fully described in Annual Report Volume XLIX, Part 4, 1940, where mention was made of the J. P. Roy gold showing in Concession 6, Lot 4. Bond and Currie Township were described in Annual Report Volume XL, Part 3, 1931, and Currie Township is further described in Geological Report No. 40, 1965, by E. J. Leahy.

Acid volcanics mapped in Currie and Bowman Townships can be linked with those intersected in one drill hole in south-central Bond Township. This interpretation is evident on map 2205 (O. D. M. compilation of the Timmins - Kirkland Lake Area, 1973), but is not on the early maps.

The airborne magnetic series map for the area is G. S. C. map 8438G, 1970.

Known relevent exploration by mining companies in the property area is summarized briefly in the following paragraphs.

An airborne Input Survey by Selco Exploration Co. Ltd. was made within a project "Operation Matheson". They are not known to have followed up anomalies in the property area.

Investigation of the J.P. Roy gold showing in Sheraton Township (S1/2 lot 4, Con. VI), revealed mafic volcanic rocks and fragmentals cut by porphyry dykes and diabase. Quartz stringers and adjacent wall rock have minor pyrite mineralization. A picked sample by Ontario Dept. of Mines reportedly assayed 0.32 oz. Au/ton.

The property known as the Seaway Copper Property in Bond Township, S1/2 lot 5, Con. I, was formerly owned by Republic Ores and Mining Corp. Drilling first done in 1966 on an EM target discovered graphitic tuffs and slate containing low grade copper, lead and zinc mineralization. A section 42 feet wide was reported to contain 3.02% zinc and 0.26% lead. Including drilling in 1971 a total of nine holes were completed at the main anomaly. Two other holes were drilled on the property, but they intersected mainly diabase and porphyry of no economic significance.

Presumably based on results of an EM survey, Consolidated Manitoba Mines Ltd. drilled three holes in the central part of the property south of Moose Lake. The holes did not intersect economic

minerals and only one of them intersected sulphides which might explain the conductor. This hole encountered acid and intermediate volcanics, suggesting that some acid volcanics persist west from those known in Currie and Bowman Townships.

GEOLOGY

The geology was mapped by the writer by traversing on the cut lines (mostly 800 feet apart) and also on certain of the claim lines. Few new outcrops were discovered, and there were no discoveries made that would significantly change the geological interpretations of previous workers.

Interpretation of the very flat geophysics southwest of Moose Lake suggests the bedrock is a plug of syenite or similar rock type in that part of the property.

To the southeast of Moose Lake acid volcanic rocks are present in outcrop and also in the core of a previous drill hole by Consolidated Manitoba Mines Ltd. Up to 7% pyrite is present with lenses of pale greenish grey rhyolite in chloritic andesite outcropping east of the hole. A grab sample of the mineralization was assayed for zinc, copper and gold, and a second sample from quartz stringers was assayed for gold. Traces of these metals are present.

No geological evidence was found of sedimentary rocks of the kind mineralized with zinc, lead and copper, at the Seaway Copper Property to the west, and the Tillex Syndicate property (reported in the Northern Miner April 24, 1975) at the extreme east end of Currie Town-

ship, east of the property. There were no strong geophysical targets found, suggesting that if this graphite unit is present, it is in subdued form where it crosses the property.

The remainder of the property appears to be underlain by intermediate to basic volcanics cut by numerous dykes of diabase of different ages and appearance, and by dykes of porphyry. Outcrops of diabase are more common than other rocks because the diabase is harder. In addition certain large dykes have indurated the volcanic rocks so that hills in the area exhibit spines of diabase flanked by volcanics diminishing in hardness away from the centre.

Two main ages of basic dyke intrusion are recognized.

The older dykes trend in a northerly direction. They contain porphyritic phases, but generally are fine to medium-grained uniform rocks. They exhibit sharp contacts with wall rock, and frequent abrupt steps and terminations, and plucking of blocks of rock from the dyke walls.

The younger dykes trend northeast across the area. They are characteristically very coarse-grained and have variable composition from diorite to olivine amphibolite. Coarse granular magnetite, and biotite-rich rock is present in some places.

The geology is shown on two maps in the pocket at the back of the report. The legend is modified from that used by the Ontario Dept. of Mines on map 2071, Currie and Bowman Townships, 1965.

The area of the J. P. Roy gold showing was examined and an old trench was located. Quartz stringers were seen to be associated with porphyry dykes at various places on the nearby hill of diabase and volcanics. Pyrite is rare, and no concentrations were found that were worth sampling for assay.

Not previously noted in geological reports on the area is evidence of a former large lake including the present Moose Lake. The arcuate south shore of the former lake passes through the claims and is characterized by sandy soils with stands of large poplar and birch, higher ground, and occasional outcrop.

GEOPHYSICS

The properties were explored using the McPhar I.P. method together with magnetometer observations, so that anomalies in the I.P. survey can be compared directly with magnetic profiles. A line spacing of 800 feet was used initially with a 300 foot electrode spacing. These parameters were chosen because it is considered that responses from large ore deposits will be detected even if buried to depths of up to 500 feet. Subsequently intermediate lines were observed at a few targets where correlation is uncertain. The geophysical methods are described in an appendix to this report.

The I.P. responses are designated as definite or uncertain on the profiles and maps accompanying the report. The grid of lines cut north-south did not traverse all of the strike at right angles, and also there are many diabase dykes cutting the formations in directions nearly parallel to the lines. To obtain a full geophysical picture lines would be required at intervals closer than the 800 feet used, and would also have to be observed in directions other than north-south. The work done has not revealed any strong incentive to do such additional geophysics, and further large-scale work is not recommended.

In the geophysical results there are 14 anomalies. These, marked on the maps accompanying the report, are described on the following

pages. It is noteworthy in the results that deep conductive overburden, especially in the areas of anomalies 2, 3 and 4, tends to weaken anomalous responses. The detailed geology of the volcanic-sedimentary zone of possible economic interest is poorly known and is complicated by numerous diabase dykes. Because of these features the anomalies should not be ignored, even though further work is not recommended on a large scale. The land situation should be reviewed before allowing claims to lapse, and consideration given to defining anomalies 4 and 9 more fully, and then to drilling at anomalies 4, 8 and 9.

Geophysical work was not done on line 128W and part of line 120W because of flooding, and on line 172W at the extreme west of the property.

SOUTH SHEET

Anomaly 1

Anomaly 1 is interpreted as having a strike length of 4000 feet. The lines appear to be oblique to the strike. Several diabase dykes strike nearly north in the area of the anomaly and magnetism, strong in places, appears to be a result of these dykes and not associated with the I.P. anomaly. A hole drilled in 1972 on the adjoining property just west of line 56W, 100S, was probably sited to explore this anomaly. It intersected diabase for most of its length. The I.P. responses are definite, but weak. As a target for future work the anomaly is considered very low priority.

Anomaly 2

The I.P. responses linked to form Anomaly 2 for 2400 feet have similar characteristics, including magnetic highs flanking the anomalies on the south side. The anomaly is narrow and weak, and even though it is well situated on the probable strike from known mineralization at the Seaway Copper Mines property, it is not considered strong enough to warrant drilling. Minor pyrite was observed in an outcrop of basic volcanic close to the anomaly, and it is likely that this is the cause of the response.

Anomaly 3

This is an isolated doubtful response associated with a magnetic "high". A diabase dyke or lens is probably the cause.

Anomaly 4

The response at Anomaly 4, situated on the extreme eastern boundary of the property, is possibly on strike from Anomaly 2, and the mineralization at the Seaway Copper Mines property. Although narrow, the I.P. anomaly is stronger than that at Anomaly 2, and co-incides with a magnetic anomaly. It is likely that sulphide minerals are the cause of the I.P. response. The anomaly should be defined more completely and drilling considered. Adjoining land to the east should be acquired.

NORTH SHEET

Anomaly 5

This is a "bulls-eye" type of anomaly, co-inciding with a magnetic "high". Such I.P. anomalies are usually off line. In view of the small size of the target no further work is recommended.

Anomaly 6

The I.P. response at Anomaly 6 indicates a narrow source, with strong magnetic co-incidence. Possible correlation with Anomaly 5 was investigated with an intermediate line following the road, but no

anomaly was found. A narrow segmented dyke passing through anomalies 5 and 6 is suggested as a possible cause. Further work is not recommended.

Anomaly 7

Anomaly 7 is a weak deep response on the south flank of wide highly magnetic zone. It might be caused by a narrow band of sulphides or graphite, but the anomaly is not considered strong enough to warrant detailed investigation.

Anomaly 8

This anomaly is complex because on the central line (12W) it differs in character from the adjoining lines (8W and 16W), and because of displacement of the anomaly in plan. On line 12W the anomaly is caused by a pronounced resistivity "low" on the edge of a strong magnetic anomaly. It resembles a sulphide-magnetite type anomaly within a basic intrusive rock. In contrast, the anomaly is associated with magnetic "lows" on the adjoining lines. The anomaly is considered worth exploration by drilling. Diamond drill-holes or overburden drilling should be considered on lines 12W and 8W. Since the anomaly is wholly enclosed in Opco freehold land, there is no urgency to do this work.

Anomaly 9

The anomaly is a single-line response of low resistivity within a strong magnetic anomaly. Geophysically it resembles the part of Anomaly 8 at line 12W, 75N where drilling is recommended. If drilling at Anomaly 8 proves interesting, a hole at Anomaly 9 should be considered. If so, drilling should be preceded by additional geophysics to define the target fully and acquisition of protective land.

Anomaly 10

The strong I.P. responses, which can be linked for 4000 feet of strike at Anomaly 10 co-incide with a strong magnetic anomaly. Drilled by Consolidated Manitoba Mines Ltd., a hole located at about line 64W, 29N, and drilled to a depth of 804 feet, tested the anomaly. The cause is indicated by the drill-log to be sparse pyrite in sericite schist (acid lava) from 294 to 362 feet, and in intermediate lava from 362 to 642 feet. Sulphide mineralization in outcrops is low in economic minerals and further exploration is not considered to be warranted.

Anomalies 11, 12, 13

Anomaly 11 is a single-line narrow anomaly which is associated with a magnetic anomaly. Anomaly 12 resembles Anomaly 11 and may be a displaced continuation of that anomaly. Line 100W was observed in order to check continuity, and it indicated segmentation and displacement of the feature into three parts. The anomalous conditions

are unexplained, but they do not appear to indicate a large metal deposit. Further work is not considered justified.

Anomaly 14

This is a definite anomaly on line 120W, on the trend west from Anomaly 10. It resembles Anomaly 10 in both magnetic and I.P. responses. A hole drilled by Cons. Manitoba Mines Ltd. about 400 west of the line intersected magnetite in diabase from 44 to 336 feet. This diabase is probably a Keeweenanan dyke which is found in outcrop nearby, and is thought to account for the magnetic anomaly. While the exact cause of the I.P. anomaly is uncertain, additional work is not recommended.

# X-RAY ASSAY LABORATORIES

LIMITED

45 LESMILL ROAD DON MILLS ONTARIO M3B 2T8 445-5755

## Certificate of Analysis

NO. 2435 PAGE 1 of 1

TO. J.A. McGregor, Ph.D., P.Eng.,
Consulting Geologist,
Suite 1506, 44 King St. West,
TORONTO, Ontario.
M5H 1E8

RECEIVED Jan. 14, 1976 INVOICE NO. 2435

SAMPLE(S) OF 2 rocks SUBMITTED TO US SHOW RESULTS AS FOLLOWS:

Bond Twp.
STW/34N

| Sample | %Cu | %Zn | Au oz./ton |
|---|---|---|---|
| 867 | Trace | 0.02 | Trace |
| 868 | | | Trace |

diss py.
qtz veins.

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY D. Stevens

DATE Jan. 16, 1976

Province of Ontario

To Wit:

IN THE MATTER OF : Wrongly located posts re mining claims P.426776-426787 inclusive in Bond and Sheraton Townships.

I, Ex Maurice Hibbard

of the Village of Connaught in the

District of Cochrane

SOLEMNLY DECLARE, that

That my staker, W. Baker and myself have re-located the posts and tags of the above mining claims, to conform to the proper lot and number in the description. These claims now comprise the aliquot part of the lot and concession.

and I make this solemn Declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Declared before me

at the City of Timmins

in the District of Cochrane

this 28th day of November

A. D., 19 75.

A Commissioner, etc.

PORCUPINE MINING DIVISION
RECEIVED
NOV 28 1975
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

## Notes on Magnetometer Survey

The magnetometer survey is carried out by a fluxgate magnetometer, McPhar M700. This instrument measures the variations on the vertical magnetic field.

The procedure is to establish a magnetic base station and assigning an arbitrary value. The field readings are obtained by looping on the base station over a period of one hour more or less. Then the base value is moved on usually two traverse lines along the baseline and the looping procedure is repeated on this new sub-base station.

Each line is an isolated magnetic profile plotted at a vertical scale of 100 gammas per inch.

Instrument: Manufacture and Model McPhar M700

| | |
|---|---|
| Scale Constant | 20 Gammas/S. D. |
| Readability | 5 Gammas |

# Induced Polarization

## Theory and Method of Survey

Induced Polarization (I.P.) surveys refer to a measurement of the blocking or back voltage - polarization of metallic conductors in a medium of ionic solution conduction.

This electro-chemical relationship occurs whenever metallic-type minerals such as base metal sulphides have an electrical current pass through them. In ordinary resistivity surveys, the current travels by conduction through the ions present in the water content of the ground. This is possible because almost all of the minerals have a much higher resistivity than the aqueous portion of the ground. A group of "metallic" type minerals have specific resistivities much lower than the ground water.

The I.P. effect occurs at the interfaces, where the mode of conduction from ionic in solutions to electronic in the metallic minerals is present in the rock.

This blocking action or induced polarization which depends on the energies necessary to allow ions to give up or receive electrons from the metallic surface, increases with the time that a direct current is allowed to pass through the rock. Thus as ions accumulate against the

metallic interface the resistance to current flow increases. In time these excess ions reduce the amount of current flow through the metallic particle. This phenomena is repeated at each of the infinite number of solution-metal interfaces present in the metallic rich rock.

When the direct current voltage that is used to cause a direct current is cut off, then the charged ions forming the polarization return to their normal position. This movement of charge creates a small, but measurable current flow on the surface of the ground.

Using an alternating current source, the effective resistivity of the system will change with the frequency of the switching.

The recorded values of the per cent frequency effect or F.E. are a measurement of the polarization in the rock mass. An often more useful quantity is the metal factor (M.F.) which is obtained by normalizing the F.E. for varying resistivities.

I.P. is used in the search for disseminated metallic sulphides of less than 20% by volume.

Field procedure in most I.P. surveys is as follows:

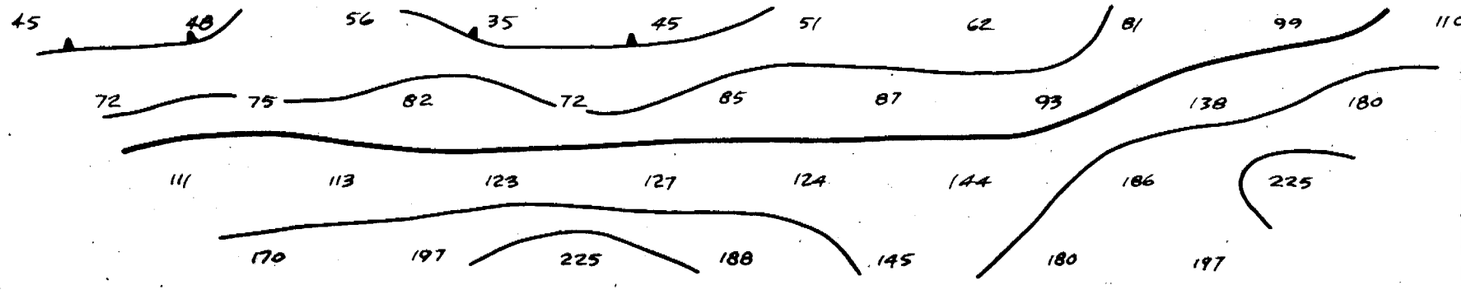
Current is applied to the ground at two points x feet apart. The potentials are measured at two other

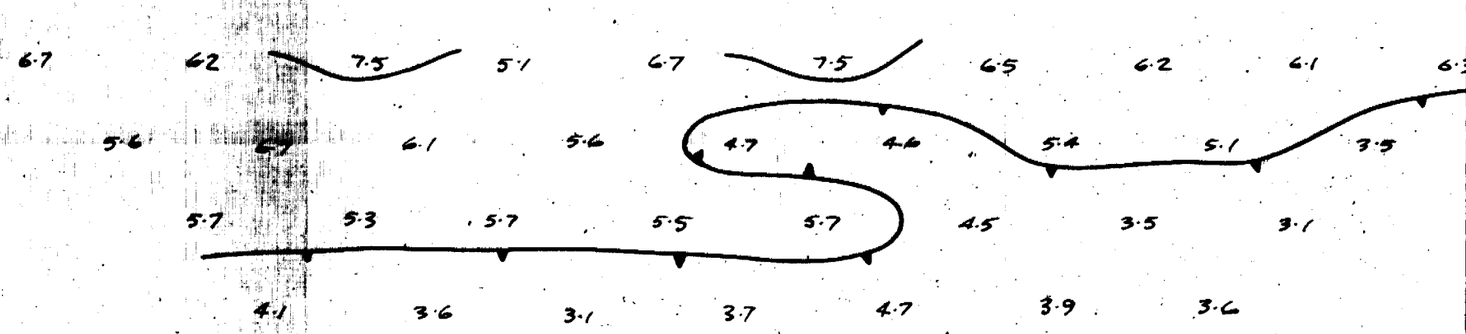
points x feet apart in line with the current electrodes and the separation of the near current and potential electrodes is nx where n=1,2,3,etc.

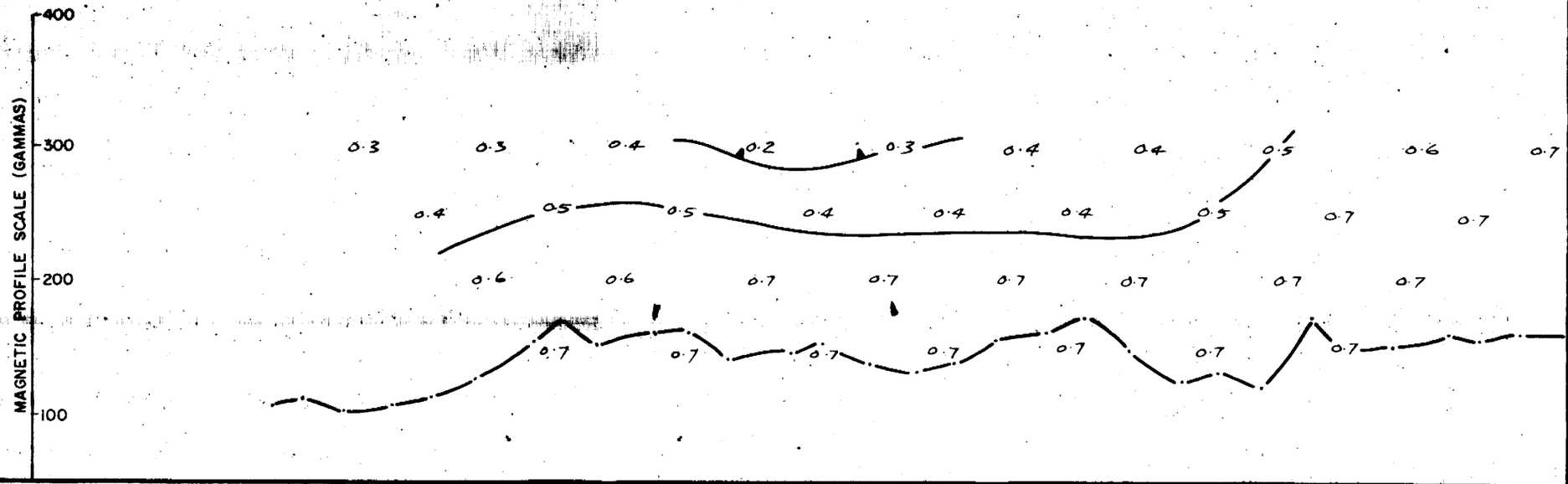
The measurements are made along a picket line with constant distance nx feet employed between the nearest current and potential electrodes and several values of n may be employed (n=1,2,3,etc.)

In plotting the results, the values of the apparent resistivity, metal factor, the percentage frequency effect measured for each set of electrodes are plotted at the intersection of two imaginary lines drawn from the centre of the current and potential electrodes at 45° to the surface to meet at a mid point below the electrode array. Each of the three quantities are plotted in upright psuedo-sections.

12N 18N 24N 30N 36N

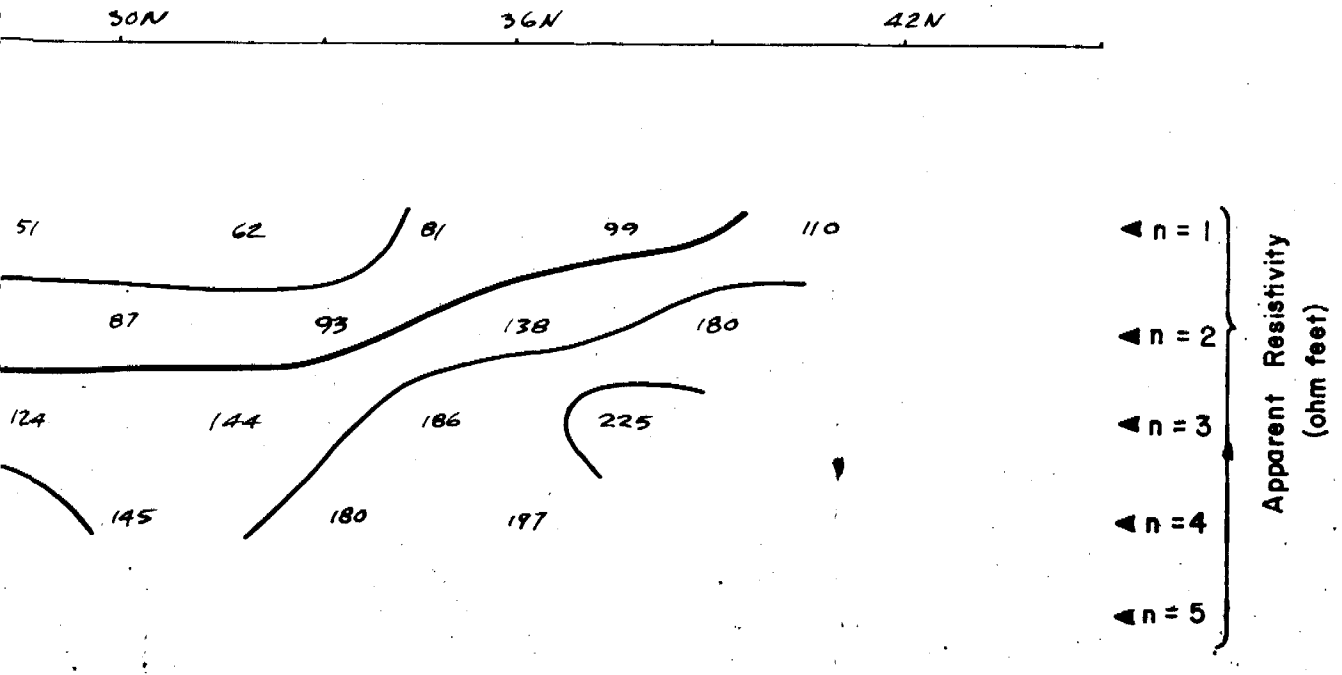


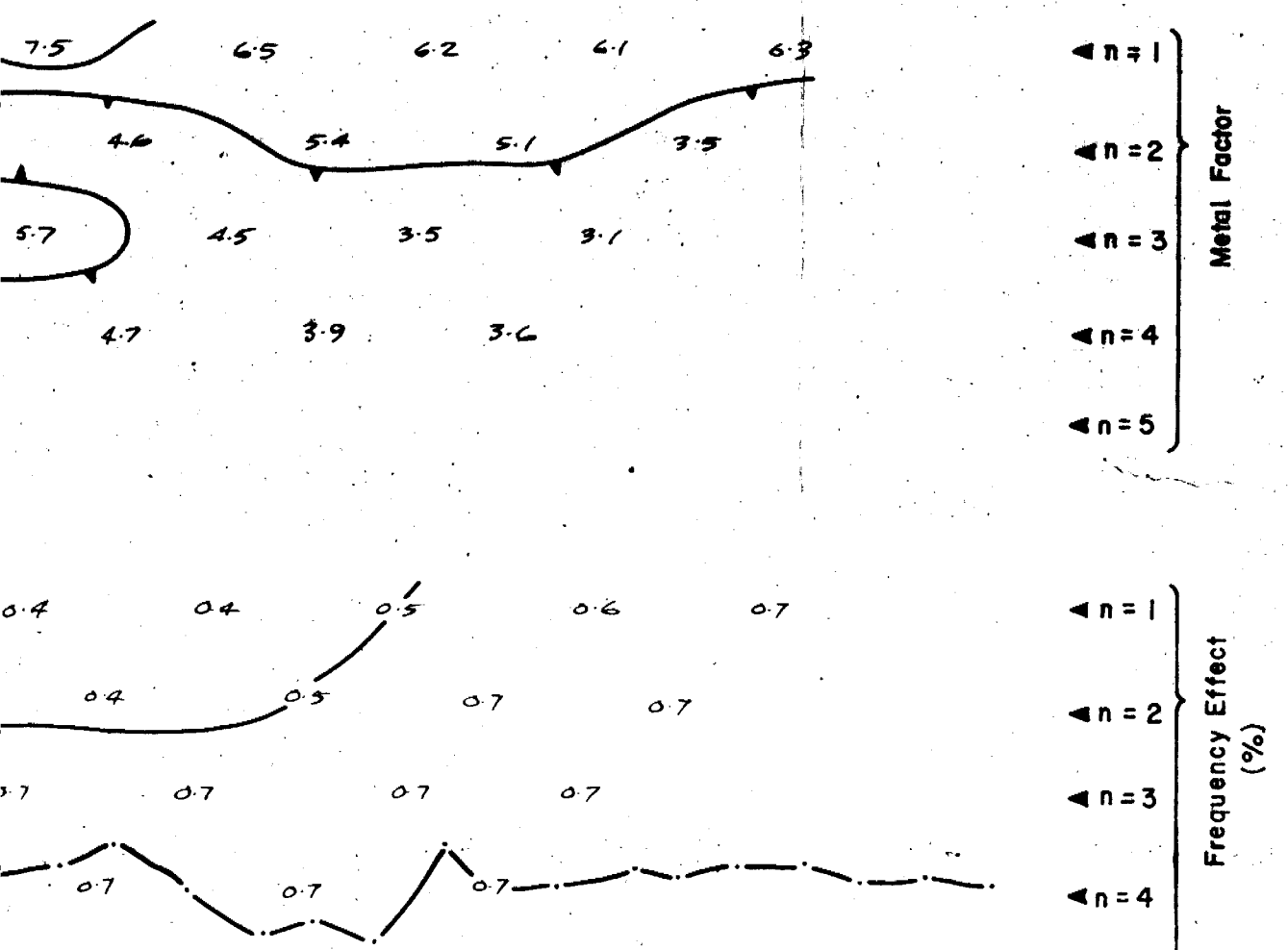



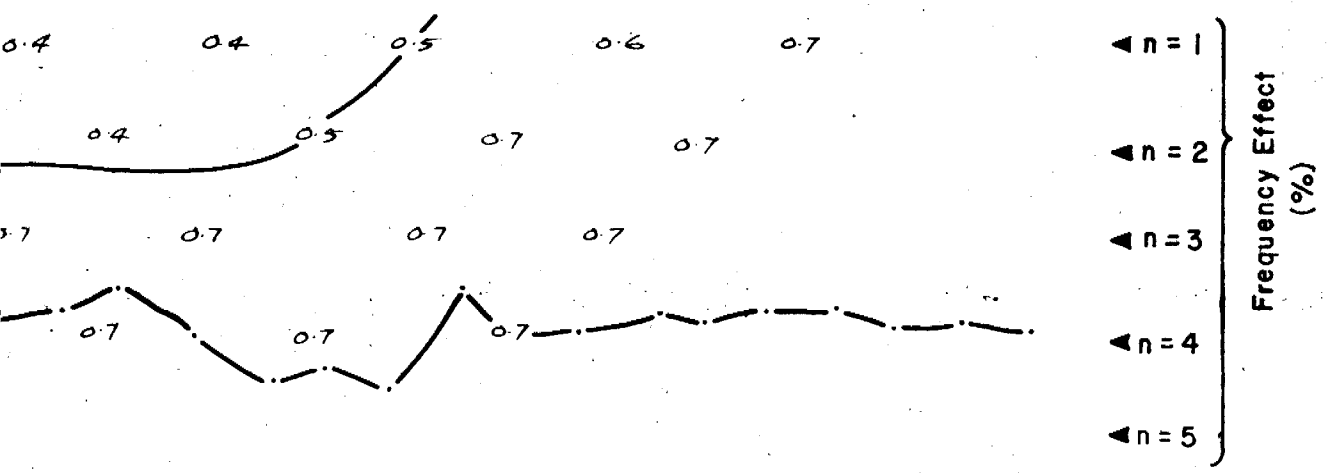



# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

## LINE Nº 168W

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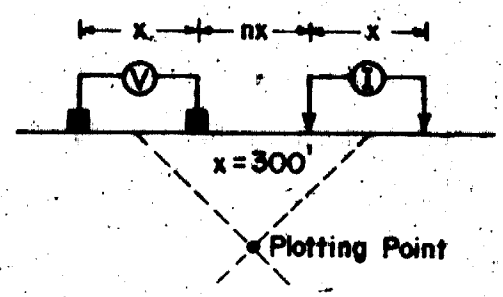
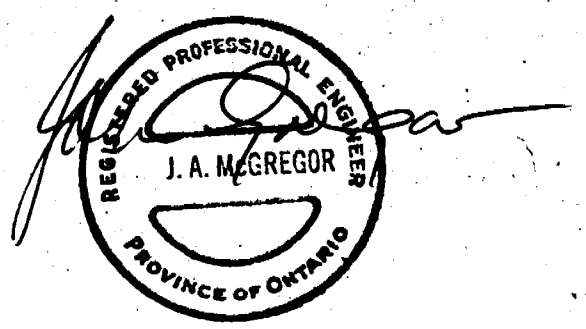



SCALE 1" = 300 feet, DATE July 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

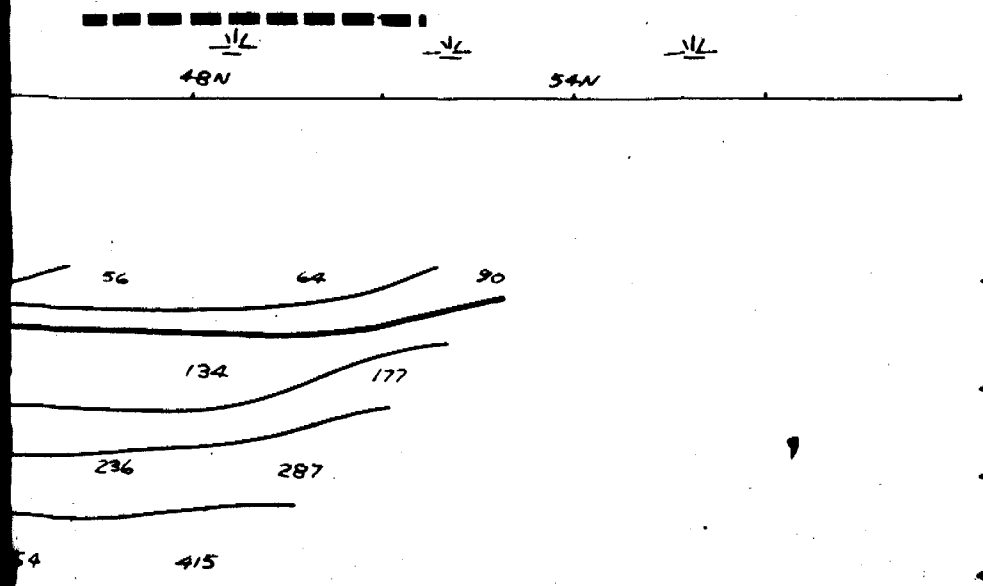
2.2048

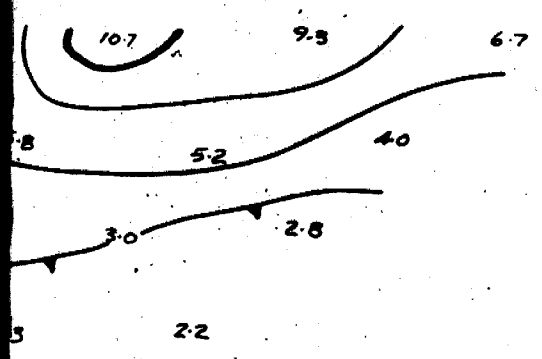
LINE Nº 168W

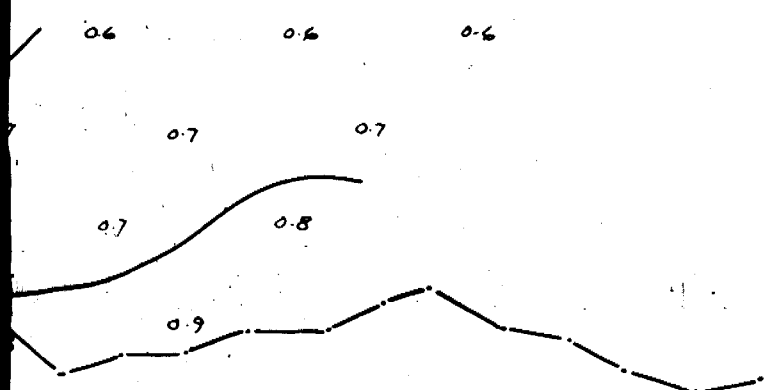
18N 24N 30N 36N 42N 48N 54N

MAGNETIC PROFILE SCALE (GAMMAS)

400
300
200
100




◄n = 1
◄n = 2
◄n = 3
◄n = 4
◄n = 5
Apparent Resistivity (ohm feet)

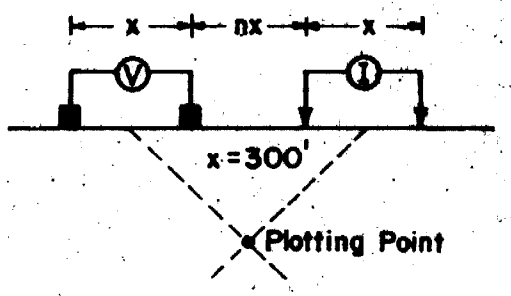
◄n = 1
◄n = 2
◄n = 3
◄n = 4
◄n = 5
Metal Factor

◄n = 1
◄n = 2
◄n = 3
◄n = 4
◄n = 5
Frequency Effect (%)

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

## LINE Nº 160W

ELECTRODE CONFIGURATION





SCALE 1" = 300 feet, DATE July 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

2.2048

LINE Nº 160W

Road
11

12N 18N 24N 30N 36N 42N 48N

104 90 62 45 42 59 90 91 85 90 90 74 45

180 150 101 193 80 120 171 155 150 144 120 198 133

200 175 166 143 143 175 212 237 214 217 225 292

300 225 194 198 198 257 286 300 249 217 300

6·7 6·7 8·0 8·9 9·5 8·5 6·7 6·6 7·1 6·7 6·7 8·1 6·7

3·9 4·7 5·9 4·2 6·7 5·8 4·1 4·5 4·7 4·9 5·9 3·5 5·3

3·0 4·0 4·2 4·8 4·9 4·0 3·8 3·4 3·3 3·2 3·1 2·8

3·0 3·6 3·6 3·5 3·5 3·1 3·0 3·0 2·8 3·3 2·7

MAGNETIC PROFILE SCALE (GAMMAS)

400
300
200
100

0·7 0·6 0·5 0·4 0·4 0·5 0·6 0·6 0·6 0·6 0·6 0·6 0·3

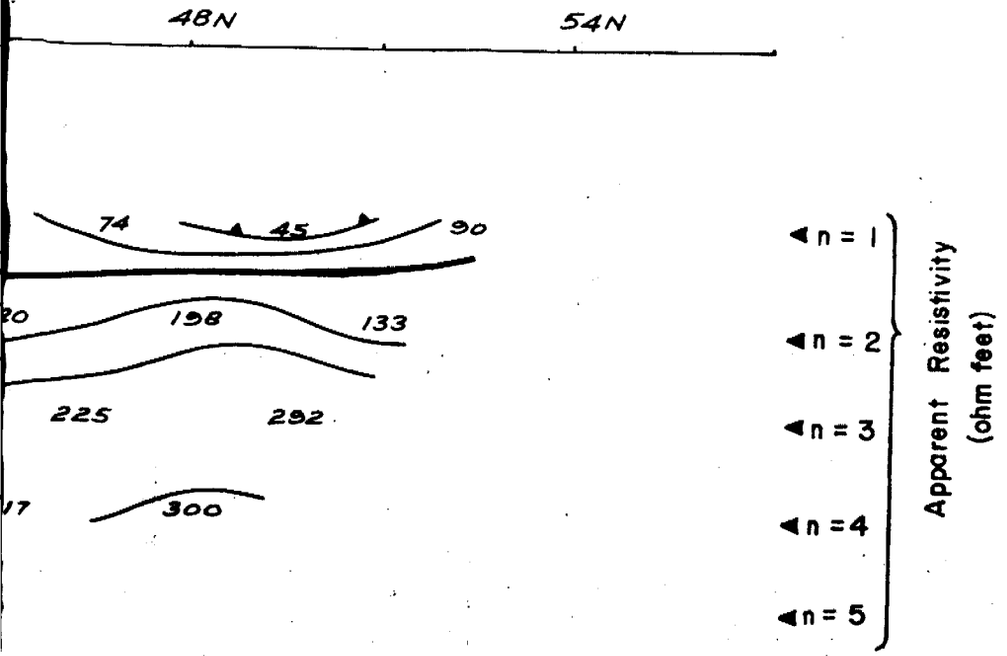
0·7 0·7 0·6 0·8 0·6 0·7 0·7 0·7 0·7 0·7 0·7 0·7 0·7

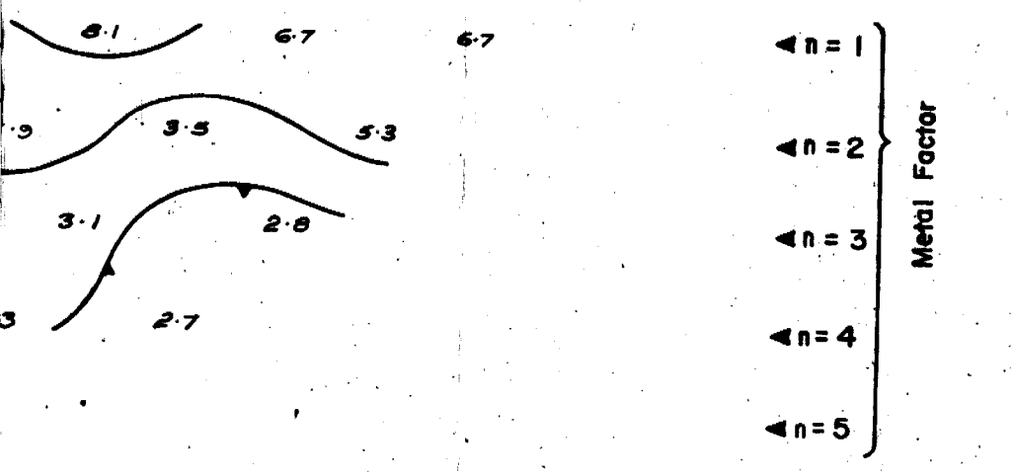
0·9 0·7 0·7 0·7 0·7 0·7 0·8 0·8 0·7 0·7 0·7 0·8

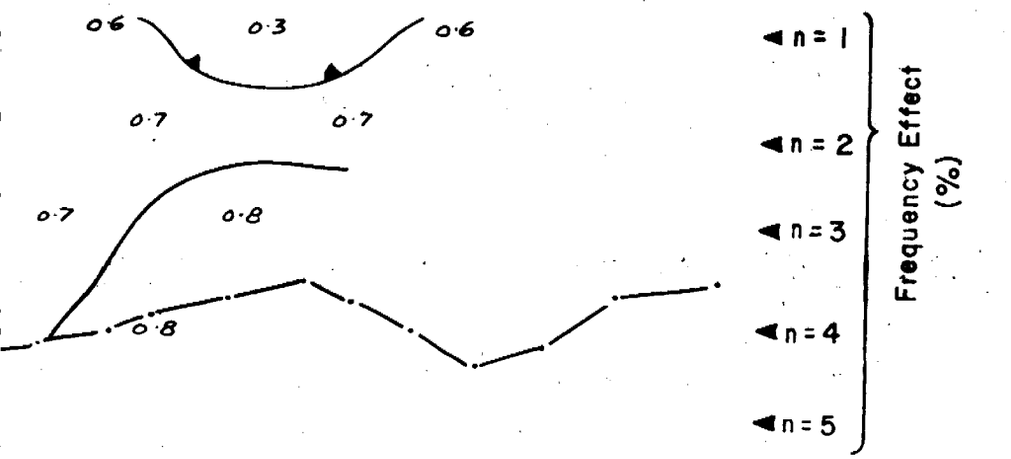
0·9 0·8 0·7 0·7 0·7 0·8 0·9 0·9 0·7 0·7 0·8

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

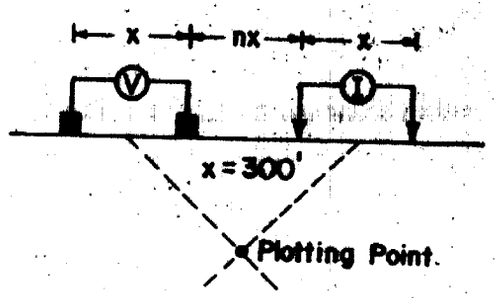
## LINE Nº 152W




ELECTRODE CONFIGURATION





SCALE 1" = 300 feet, DATE July 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

LINE Nº 152W

Road

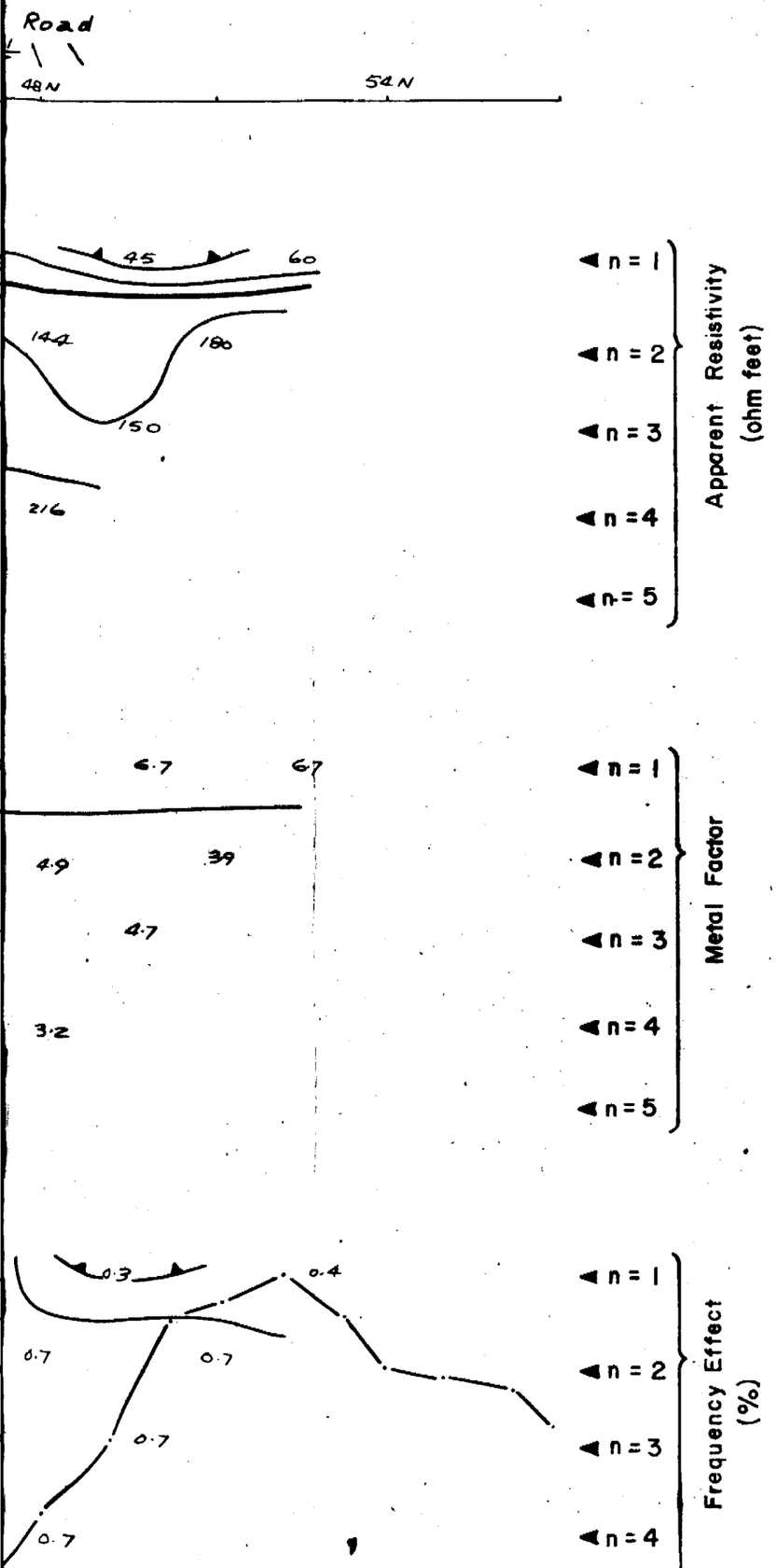
12N 18N 24N 30N 36N 42N 48N

MAGNETIC PROFILE SCALE (GAMMAS)

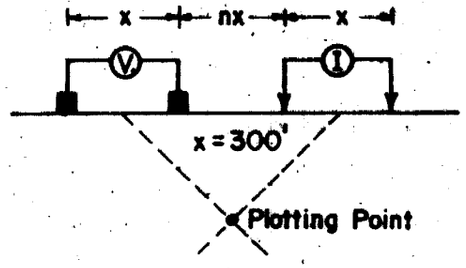
400
300
200
100

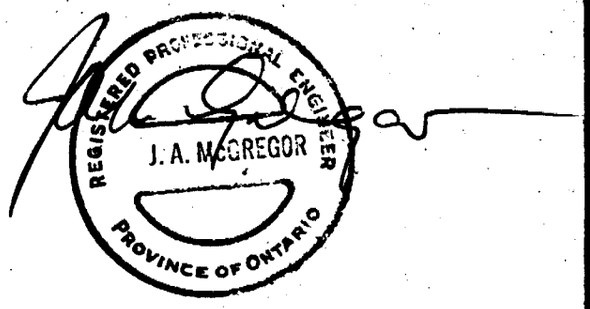
# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

## LINE Nº 144 W




ELECTRODE CONFIGURATION




SCALE 1" = 300 feet, DATE July 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

2·2048

LINE No. 144W

Beaver Pond

00 6N 12N 18N 24N 30N

56 64 73 83 90 95 100 103 64 72

103 109 120 130 123 180 171 100 130

126 148 184 208 192 219 220 166 21

200 218 250 248 258 240 280 255

7·1 7·8 6·9 6·0 6·7 6·3 7·0 7·7 7·4 8·3

5·8 6·4 5·8 5·4 5·7 4·4 4·7 7·0 5·4

5·5 4·8 3·8 3·8 4·2 3·7 3·6 4·2 3·

3·5 3·2 3·2 3·2 3·1 3·3 3·2 3·2

0·4 0·5 0·5 0·5 0·6 0·6 0·7 0·8 0·6 0·6

0·6 0·7 0·7 0·7 0·7 0·8 0·8 0·7 0·7

0·7 0·7 0·7 0·8 0·8 0·8 0·8 0·7 0·7

0·7 0·7 0·8 0·8 0·8 0·8 0·9 0·8

MAGNETIC PROFILE SCALE (GAMMAS)

400

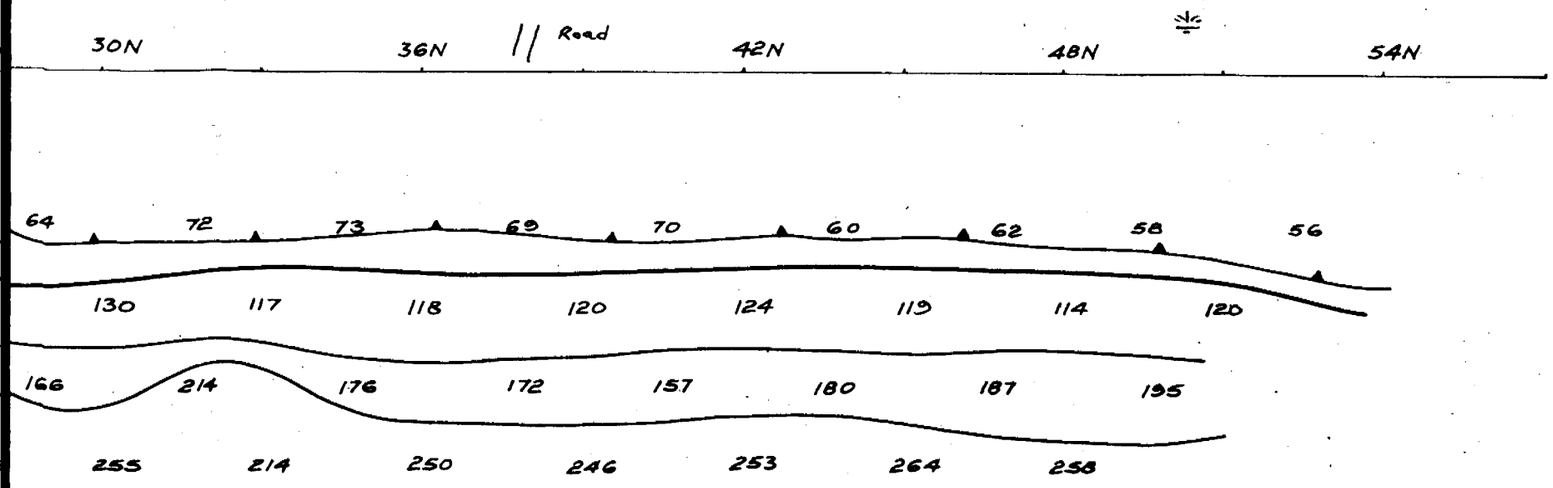
300

200

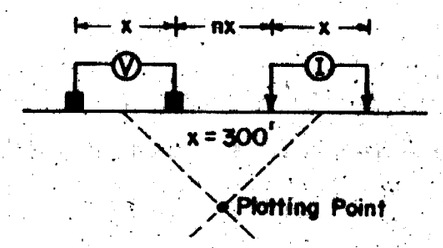
100

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

## LINE Nº 136 W




ELECTRODE CONFIGURATION





SCALE 1" = 300 feet, DATE July 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

2.2048

LINE No. 136 W

River

River

Road

36N 30N 24N 18N 12N 6N 0

1225 1400 1002 1175 1500 1450

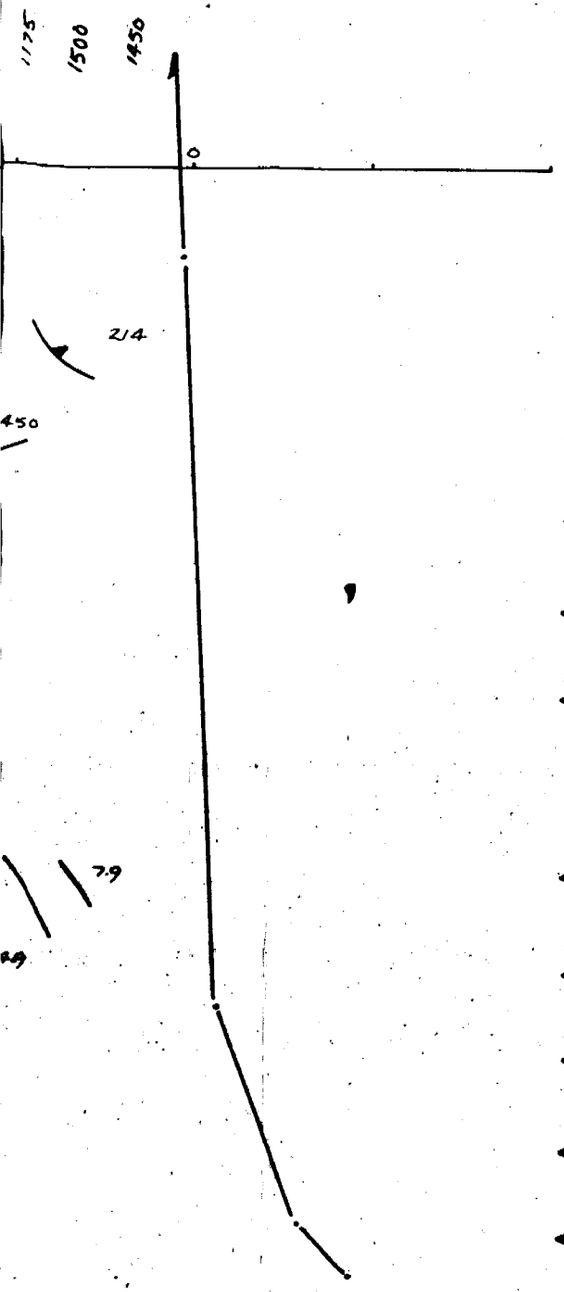
900
800
700
600
500
400
300
200
100

MAGNETIC PROFILE SCALE (GAMMAS)

30 24 45 33 30 60 45 75 162 90 450 214
60 64 76 90 70 96 180 246 131 90 450
112 102 121 128 124 150 358 223 148 960
113 124 156 118 128 201 295 208 100

6·7 4·2 6·7 6·4 3·3 8·3 6·7 8·0 4·3 6·7 4·5 7·9
5·4 6·9 3·4 4·5 7·0 5·2 5·6 3·9 9·3 10·0 4·9
6·2 9·8 5·8 5·5 5·6 4·7 3·9 3·6 18·2 2·6
7·9 5·6 4·5 5·9 5·5 5·5 6·1 6·1 13·0

0·2 0·1 0·3 0·2 0·1 0·5 0·3 0·6 0·7 0·6 2·0 1·7
0·3 0·4 0·3 0·4 0·5 0·5 1·0 0·8 0·7 0·9 2·2
0·7 1·0 0·7 0·7 0·7 0·7 1·4 0·8 2·7 2·5
0·9 0·7 0·7 0·7 0·7 1·1 1·9 1·7 1·3




# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

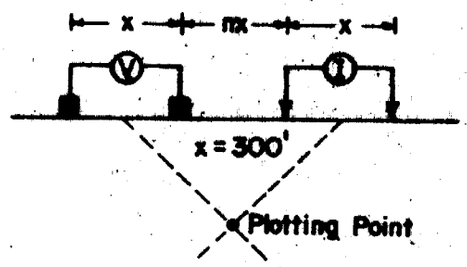
## LINE Nº 120W

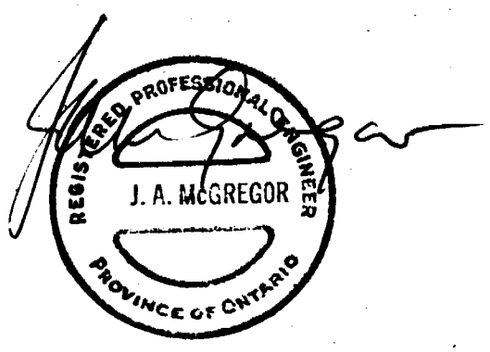
Apparent Resistivity (ohm feet)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Metal Factor
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Frequency Effect (%)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

ELECTRODE CONFIGURATION



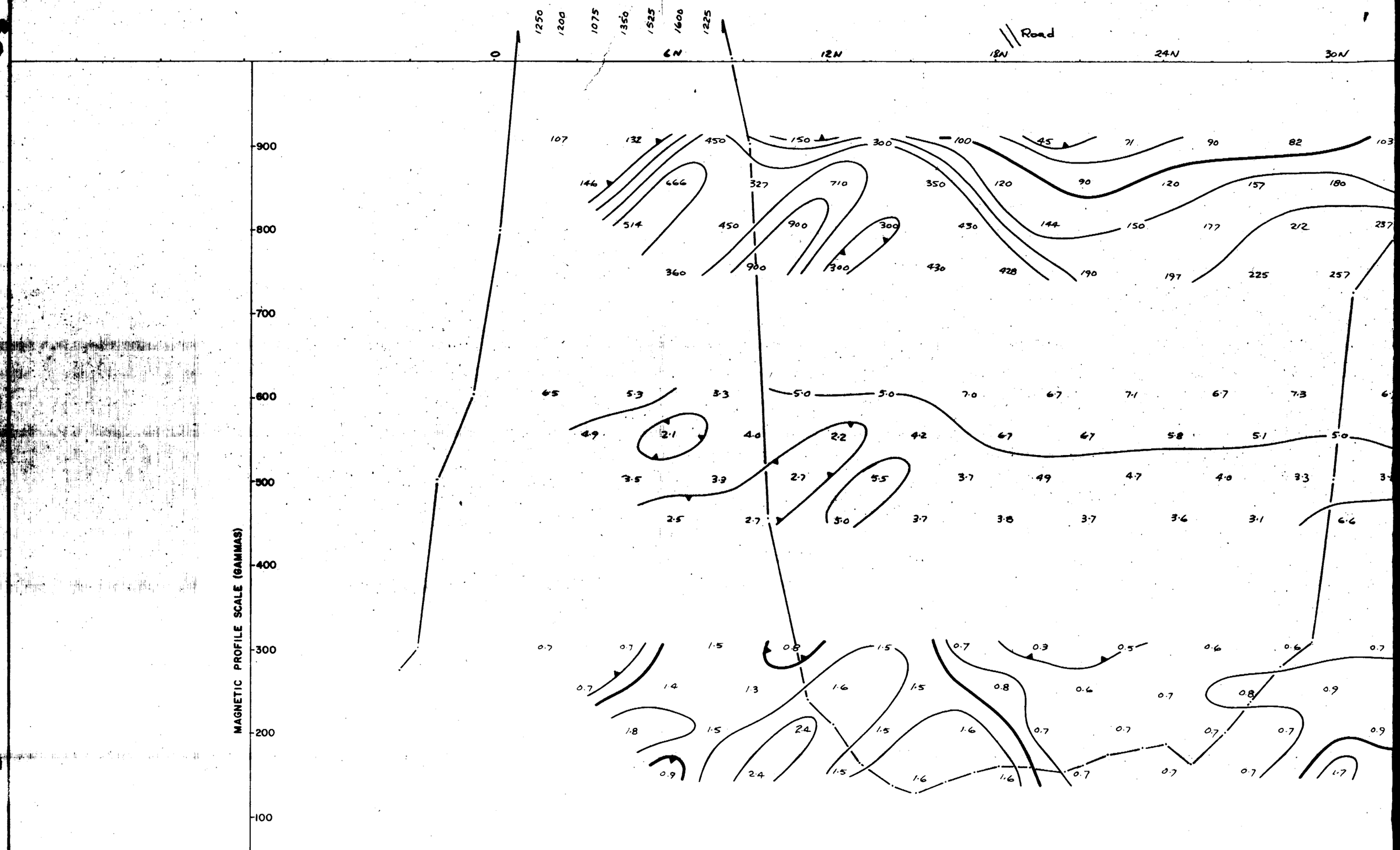




SCALE 1" = 300 feet, DATE July 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

2·2048

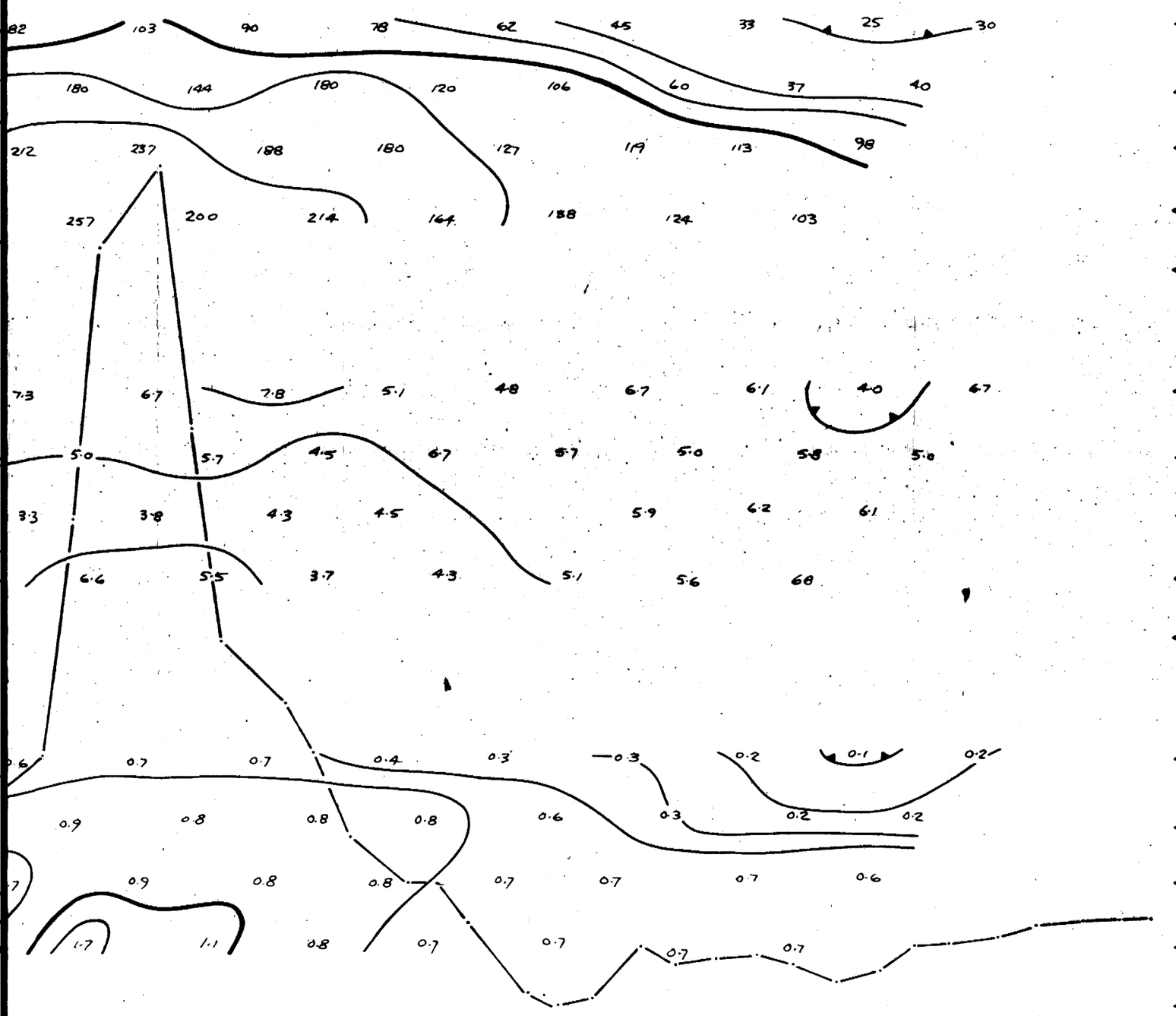
LINE Nº 120W


0
6N
12N
18N
Road
24N
30N
1250
1200
1075
1350
1525
1600
1225
900
800
700
600
500
400
300
200
100
MAGNETIC PROFILE SCALE (GAMMAS)

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

## LINE Nº 112W

30N 36N 42N 48N 54N River

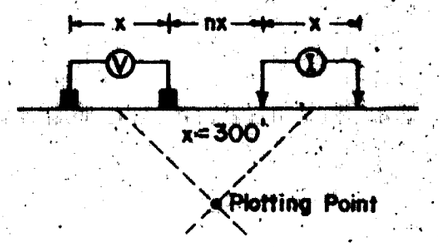



◄n = 1
◄n = 2
◄n = 3
◄n = 4
◄n = 5
Apparent Resistivity (ohm feet)

◄n = 1
◄n = 2
◄n = 3
◄n = 4
◄n = 5
Metal Factor

◄n = 1
◄n = 2
◄n = 3
◄n = 4
◄n = 5
Frequency Effect (%)

ELECTRODE CONFIGURATION

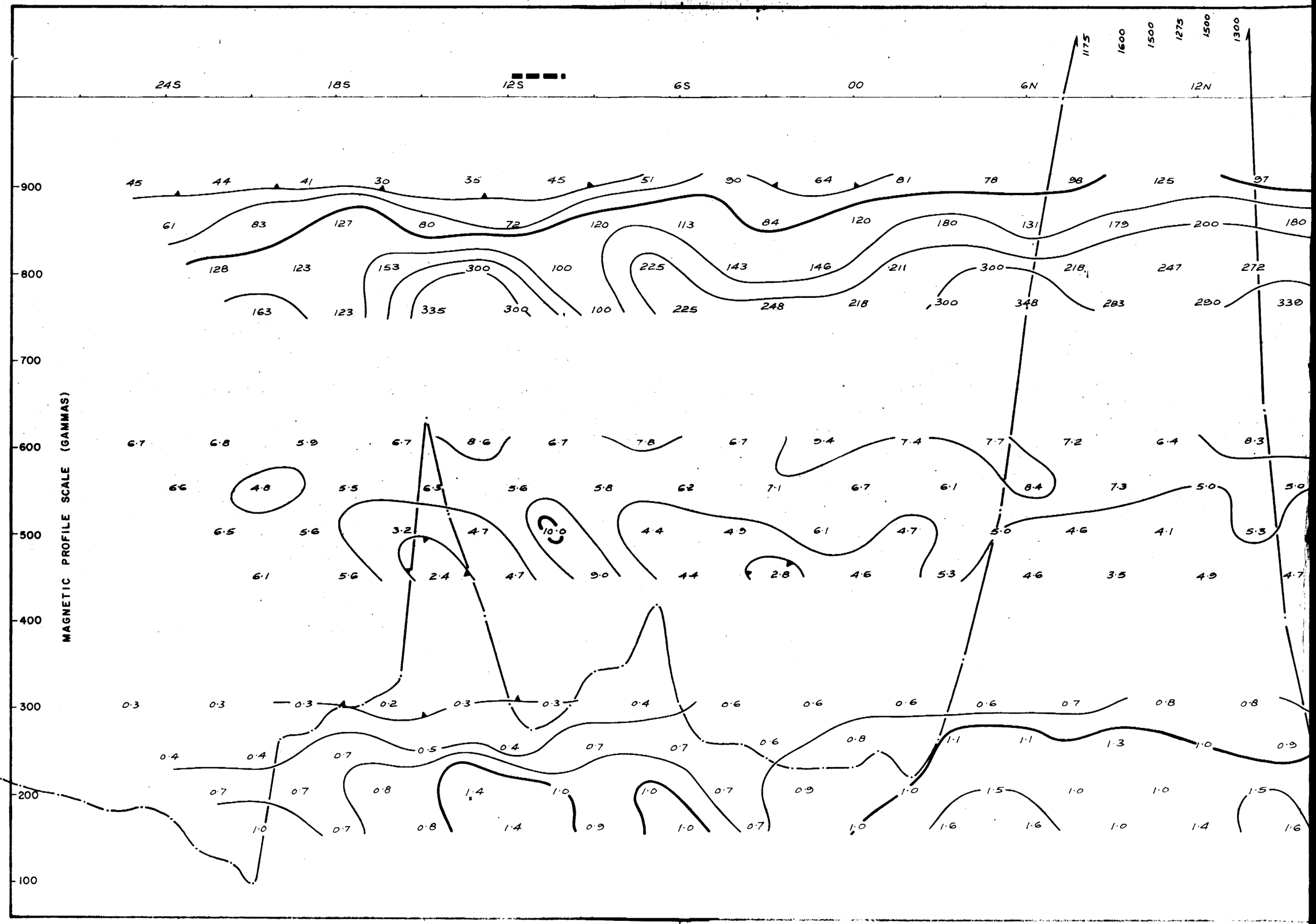



REGISTERED PROFESSIONAL ENGINEER
J. A. McGREGOR
PROVINCE OF ONTARIO

SCALE 1" = 300 feet, DATE July 1975
Contours at logarithmic multiples of
10, 15, 20, 30, 50, 75 & 100

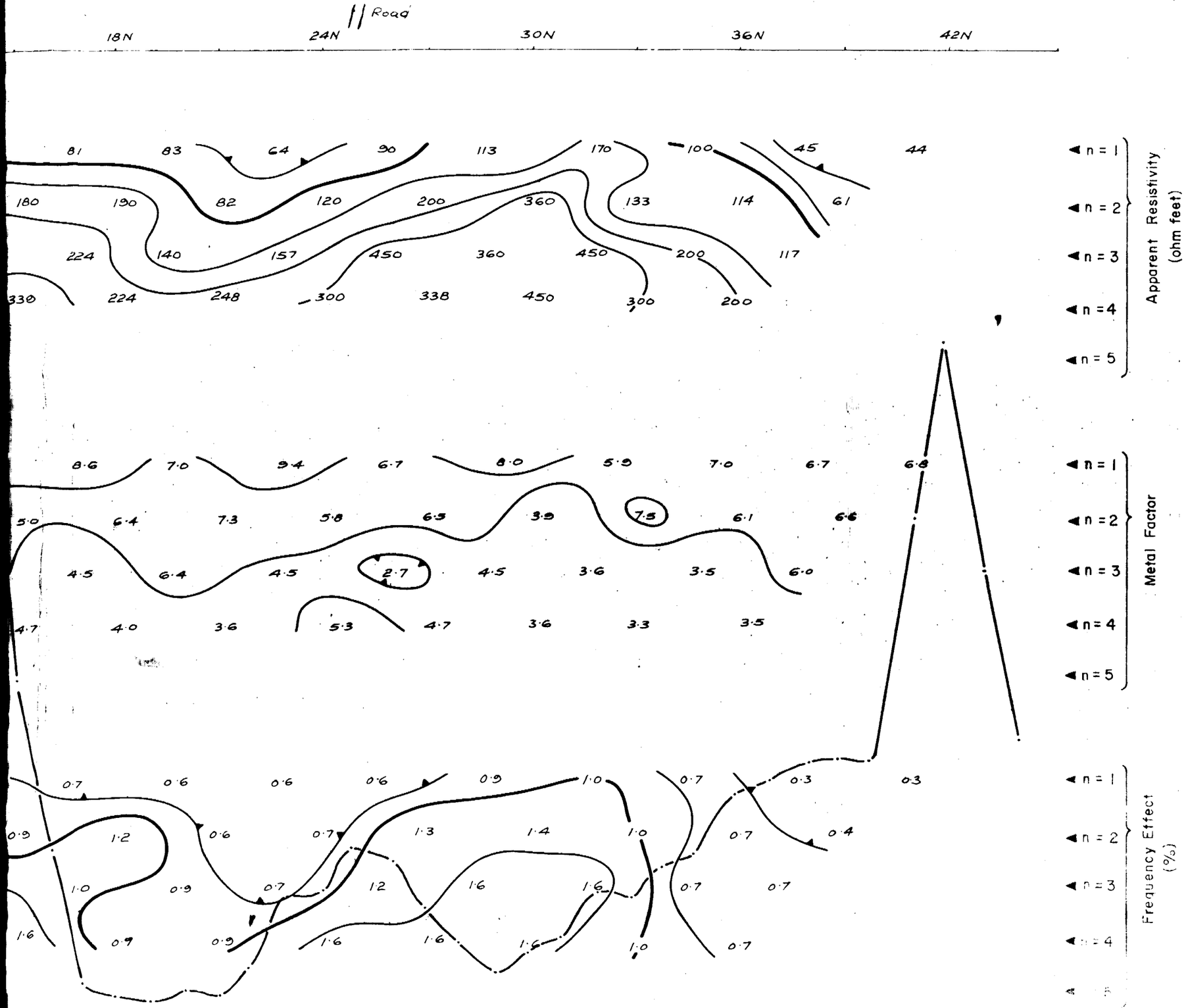
2.2048

LINE No. 112W


24S
18S
12S
6S
00
6N
12N
1175
1600
1500
1275
1500
1300
900
800
700
600
500
400
300
200
100
MAGNETIC PROFILE SCALE (GAMMAS)

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

## LINE Nº 104 W

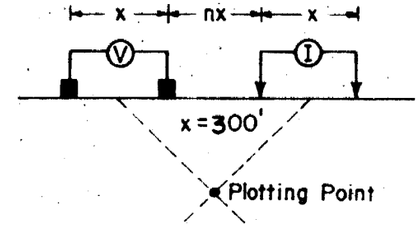



Apparent Resistivity (ohm feet)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Metal Factor
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Frequency Effect (%)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

ELECTRODE CONFIGURATION




REGISTERED PROFESSIONAL ENGINEER
J. A. McGREGOR
PROVINCE OF ONTARIO

SCALE 1" = 300 feet, DATE July 1975
Contours at logarithmic multiples of
10, 15, 20, 30, 50, 75 & 100

2·2048

LINE Nº 104 W

1355 1295 1235 1175 1115 1055

44 60 45 62 36 45 44 270 30
94 61 92 78 90 90 217 60
108 140 100 91 146 178 212
180 113 149 149 163 255

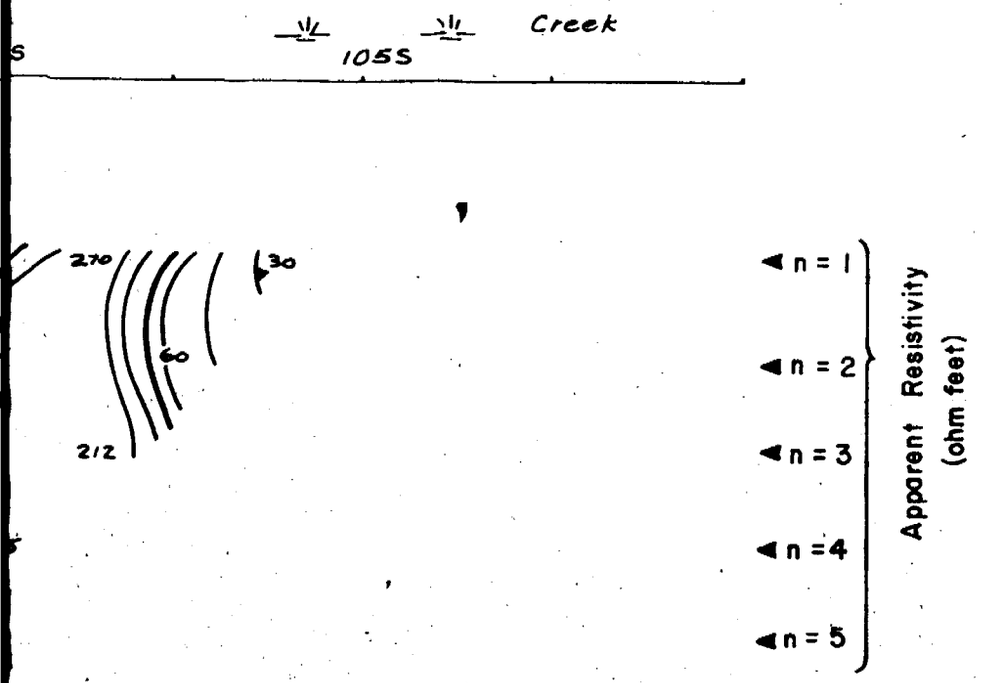
6.8 6.7 6.7 3.2 5.5 9.4 9.1 5.6 6.7
6.6 3.5 2.6 2.2 6.7 3.7 5.0
6.5 5.0 4.7 4.4 4.8 3.2 3.3
3.9 6.2 4.7 4.7 4.3 3.1

MAGNETIC PROFILE SCALE (GAMMAS)
400
300
200
100

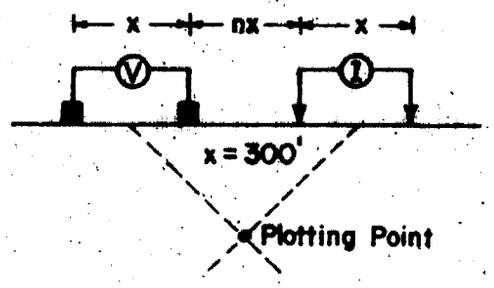
0.3 0.4 0.3 0.2 0.2 0.2 0.4 1.5 0.2
0.6 0.4 0.3 0.2 0.2 0.6 0.8 0.3
0.7 0.7 0.6 0.4 0.7 0.7 0.7
0.7 0.7 0.7 0.7 0.7

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. SHERATON TOWNSHIP ONTARIO

## LINE Nº 104 W




ELECTRODE CONFIGURATION




REGISTERED PROFESSIONAL ENGINEER
J.A. McGREGOR
PROVINCE OF ONTARIO

SCALE 1" = 300 feet, DATE August 1975

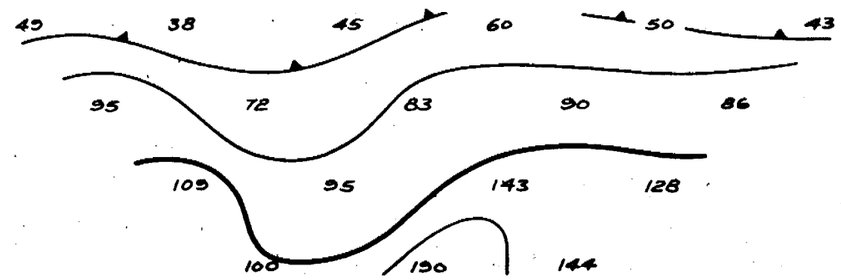
Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

2.2048

LINE Nº 104 W

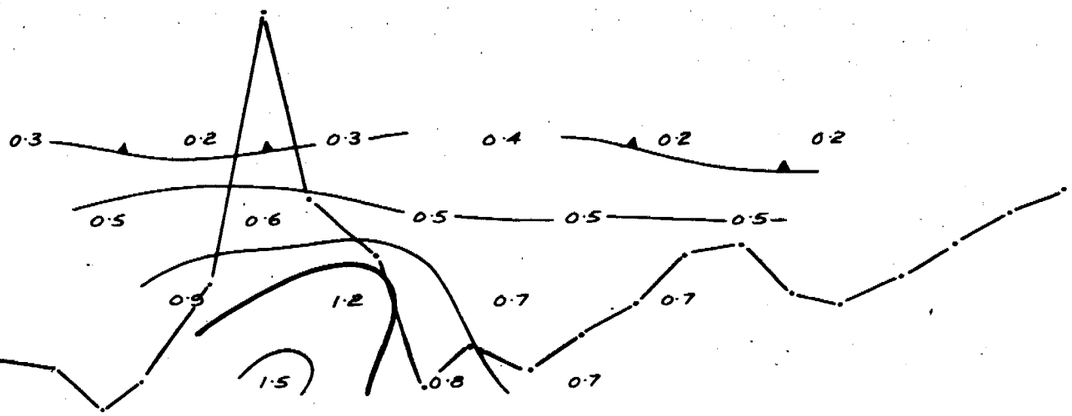
River

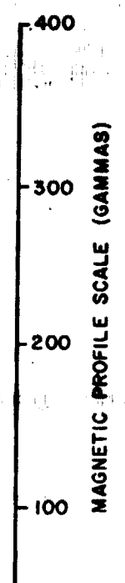
24S 18S 12S 6S 0









# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

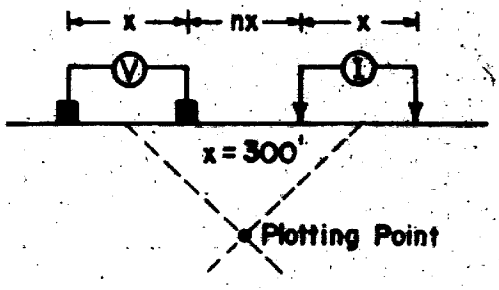
## LINE No. 100W

Apparent Resistivity (ohm feet)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Metal Factor
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Frequency Effect (%)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

ELECTRODE CONFIGURATION




REGISTERED PROFESSIONAL ENGINEER
J. A. McGREGOR
PROVINCE OF ONTARIO

SCALE 1" = 300 feet, DATE August 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

2.2048

LINE No. 100W

Pond

132S 126S 120S 114S 108S

56 64 45 30 78 82 103 150 82

103 109 96 90 180 157 180 157

126 148 124 121 188 127 212

200 128 118 156 200 257

7.1 7.8 6.7 3.3 5.1 7.3 6.7 5.8 7.3

5.8 6.4 5.2 4.0 4.5 5.1 5.0 5.1

5.3 4.8 5.6 5.8 4.3 4.0 3.3

3.5 5.5 5.9 4.5 5.0 6.6

0.4 0.5 0.3 0.4 0.4 0.6 0.7 0.8 0.6

0.6 0.7 0.5 0.4 0.8 0.8 0.9 0.8

0.7 0.7 0.7 0.7 0.8 0.7 0.7

0.7 0.7 0.7 0.7 1.1 1.7

MAGNETIC PROFILE SCALE (GAMMAS)

500

400

300

200

100

1025

82

7·3

0·6

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD.

SHERATON TOWNSHIP

ONTARIO

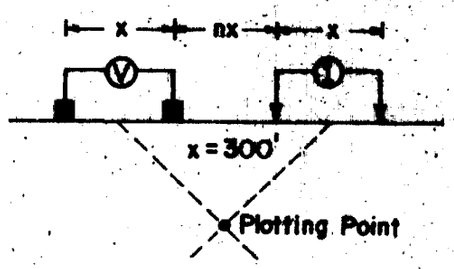
## LINE Nº 96W

Apparent Resistivity (ohm feet)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Metal Factor
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Frequency Effect (%)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

ELECTRODE CONFIGURATION





SCALE 1" = 300 feet, DATE August 1975

Contours at logarithmic multiples of
10, 15, 20, 30, 50, 75 & 100

2·2048

LINE Nº 96W

245 185 25 65 0 6W 12N

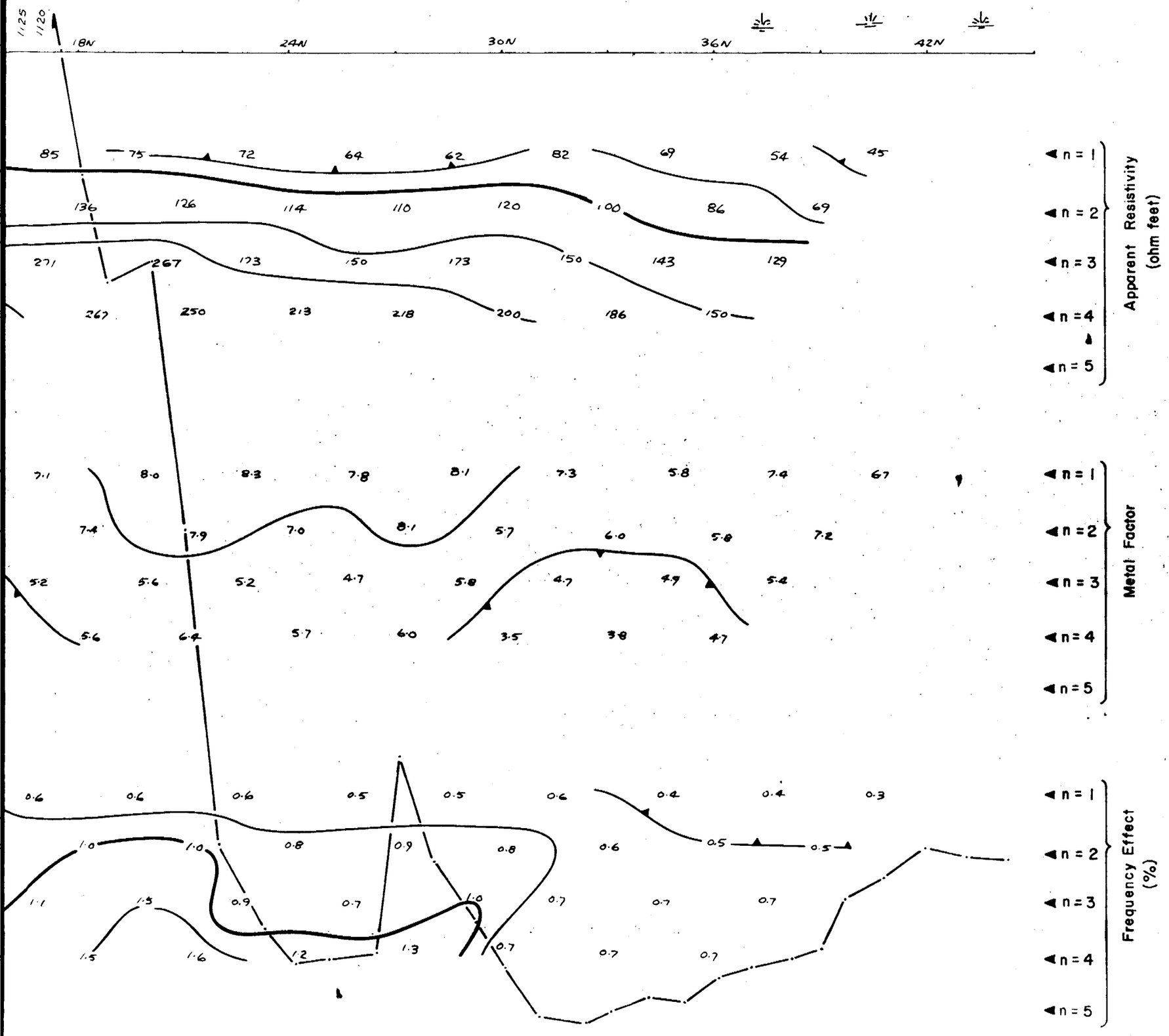
1350 1725 1500 1550

900 800 700 600 500 400 300 200 100

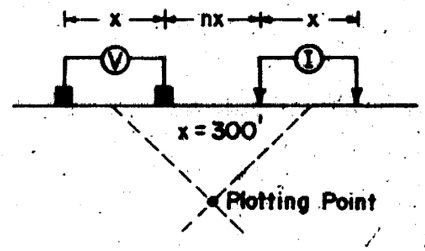
MAGNETIC PROFILE SCALE (GAMMAS)

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

## LINE Nº 96 W




ELECTRODE CONFIGURATION





SCALE 1" = 300 feet, DATE July 1975

Contours at logarithmic multiples of
10, 15, 20, 30, 50, 75 & 100

2.2048

LINE Nº 96W

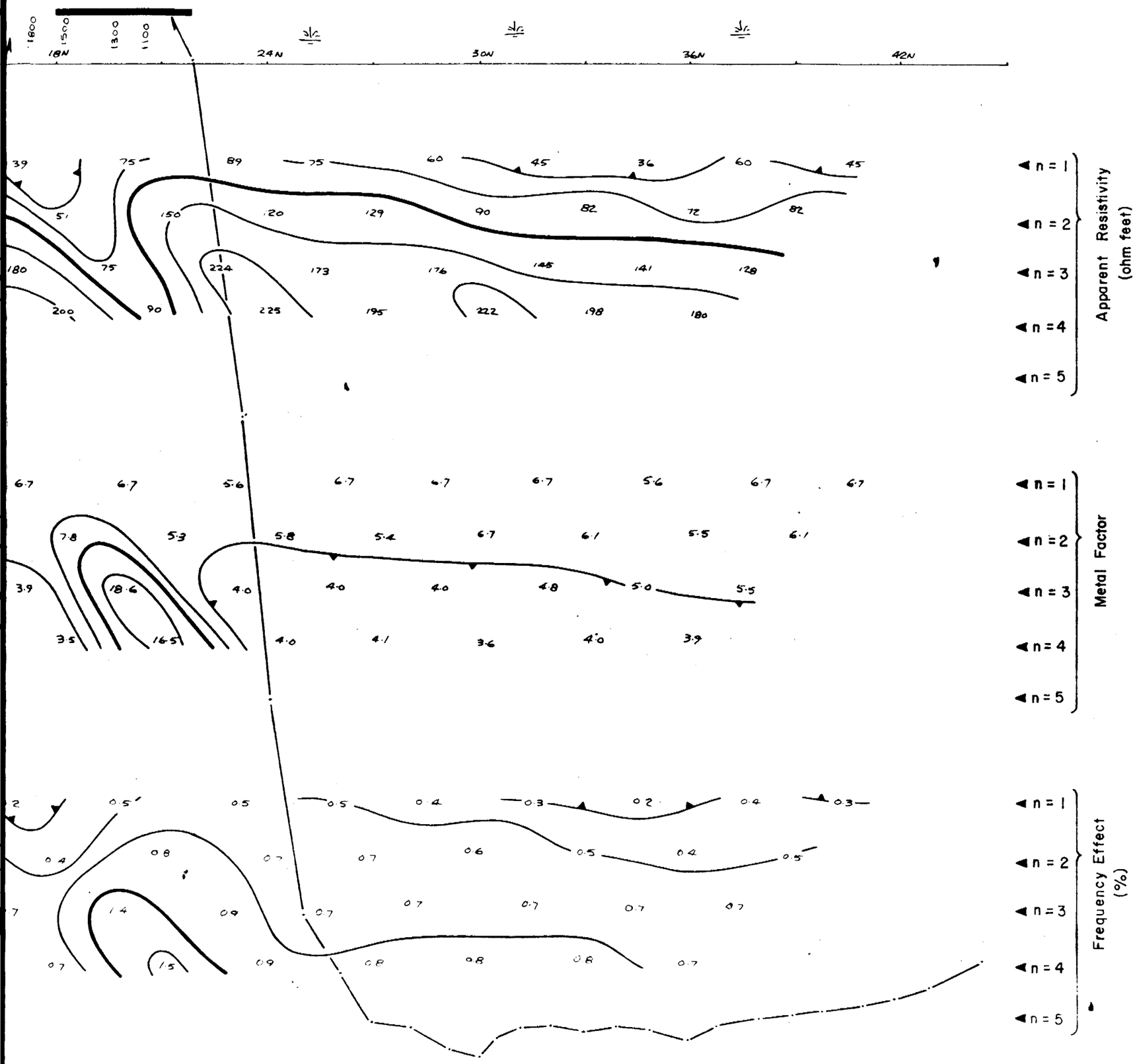
245 185 125 65 0 6N 12N

900 800 700 600 500 400 300 200 100

MAGNETIC PROFILE SCALE (GAMMAS)

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

## LINE Nº 88W

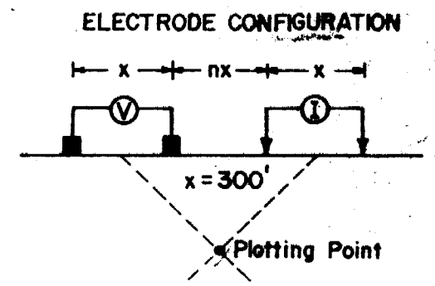



◄ n = 1
◄ n = 2
◄ n = 3
◄ n = 4
◄ n = 5
Apparent Resistivity (ohm feet)

◄ n = 1
◄ n = 2
◄ n = 3
◄ n = 4
◄ n = 5
Metal Factor

◄ n = 1
◄ n = 2
◄ n = 3
◄ n = 4
◄ n = 5
Frequency Effect (%)

ELECTRODE CONFIGURATION





SCALE 1" = 300 feet, DATE July 1975
Contours at logarithmic multiples of
10, 15, 20, 30, 50, 75 & 100

2·2048

LINE No. 88W

1325 1265 1205 1145 1085

30 40 45 60 72 100 74 52 90
59 60 90 81 72 102 85 120
111 180 173 110 145 111 150
180 200 149 426 129 180

6.7 7.5 6.7 6.7 6.9 7.0 8.1 7.7 6.7
6.1 6.3 5.6 6.2 6.9 5.9 5.9 5.8
6.3 3.9 4.1 6.4 4.8 6.3 4.7
3.9 3.5 4.7 2.3 5.4 3.9

0.2 0.3 0.3 0.4 0.5 0.7 0.6 0.4 0.6
0.3 0.5 0.5 0.5 0.5 0.6 0.5 0.7
0.7 0.7 0.7 0.7 0.7 0.7 0.7
0.7 0.7 0.7 1.0 0.7 0.7

MAGNETIC PROFILE SCALE (GAMMAS)
400
300
200
100

1025

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. SHERATON TOWNSHIP ONTARIO

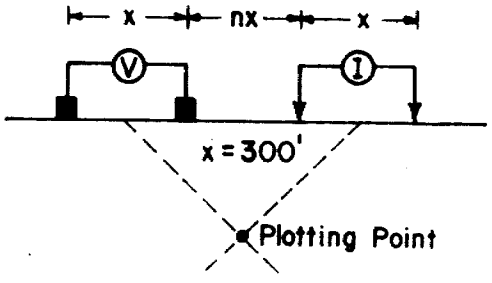
## LINE Nº 88 W

Apparent Resistivity (ohm feet)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Metal Factor
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Frequency Effect (%)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

ELECTRODE CONFIGURATION

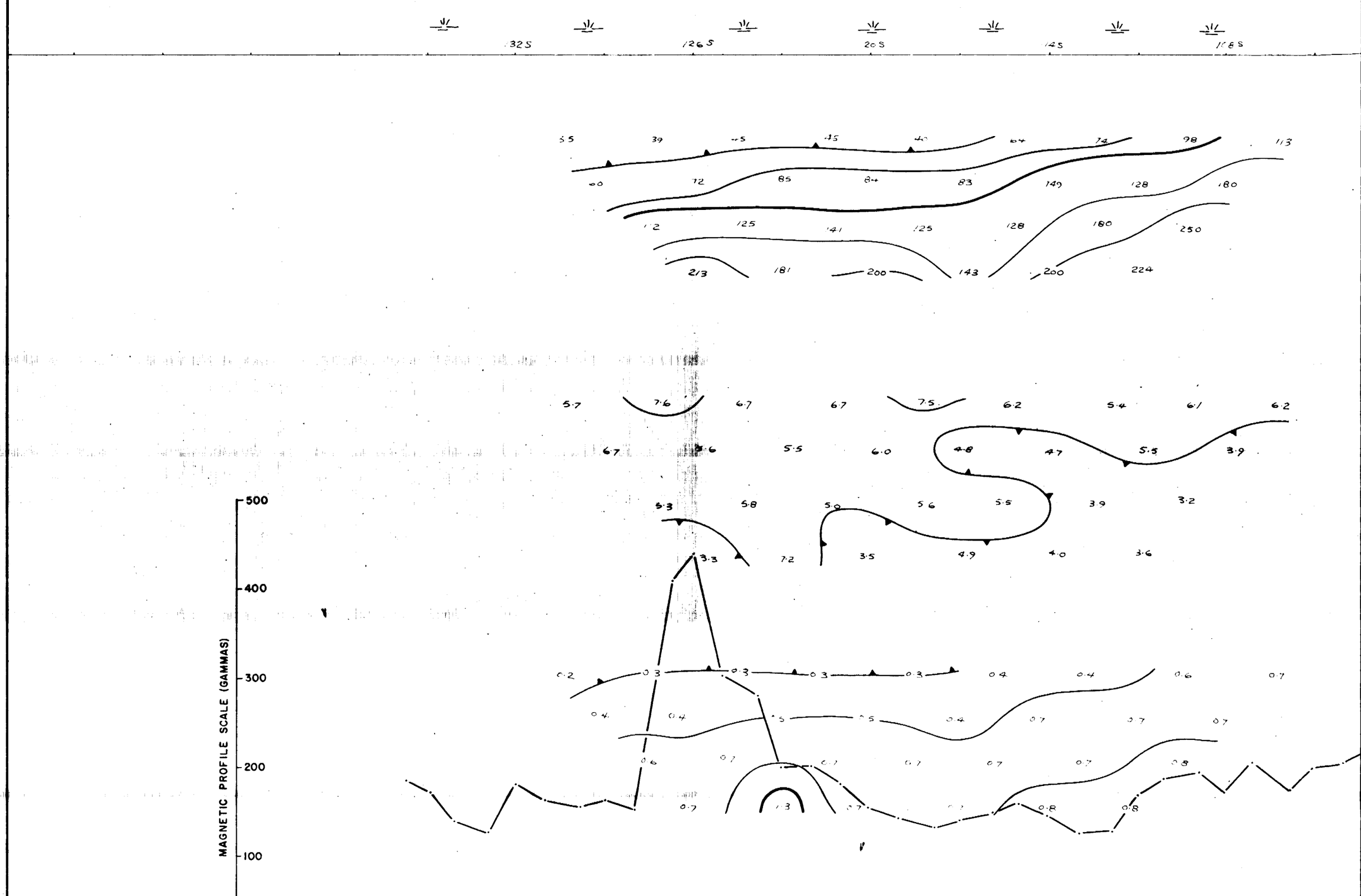



REGISTERED PROFESSIONAL ENGINEER
J. A. McGREGOR
PROVINCE OF ONTARIO

SCALE 1" = 300 feet, DATE August 1975
Contours at logarithmic multiples of
10, 15, 20, 30, 50, 75 & 100

2.2048

LINE Nº 88W


325
1265
205
145
1685
MAGNETIC PROFILE SCALE (GAMMAS)
500
400
300
200
100

102 S

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. SHERATON TOWNSHIP ONTARIO

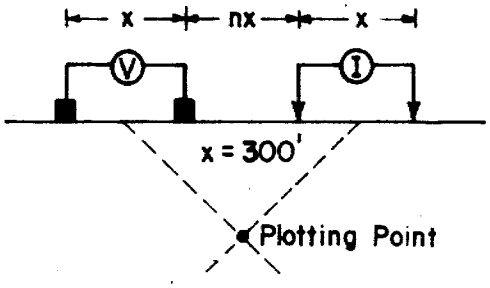
## LINE Nº 80W

Apparent Resistivity (ohm feet)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Metal Factor
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Frequency Effect (%)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

ELECTRODE CONFIGURATION




REGISTERED PROFESSIONAL ENGINEER
J. A. McGREGOR
PROVINCE OF ONTARIO

SCALE 1" = 300 feet, DATE August 1975
Contours at logarithmic multiples of
10, 15, 20, 30, 50, 75 & 100

2.2048

LINE NO 80W

Beaver Pond

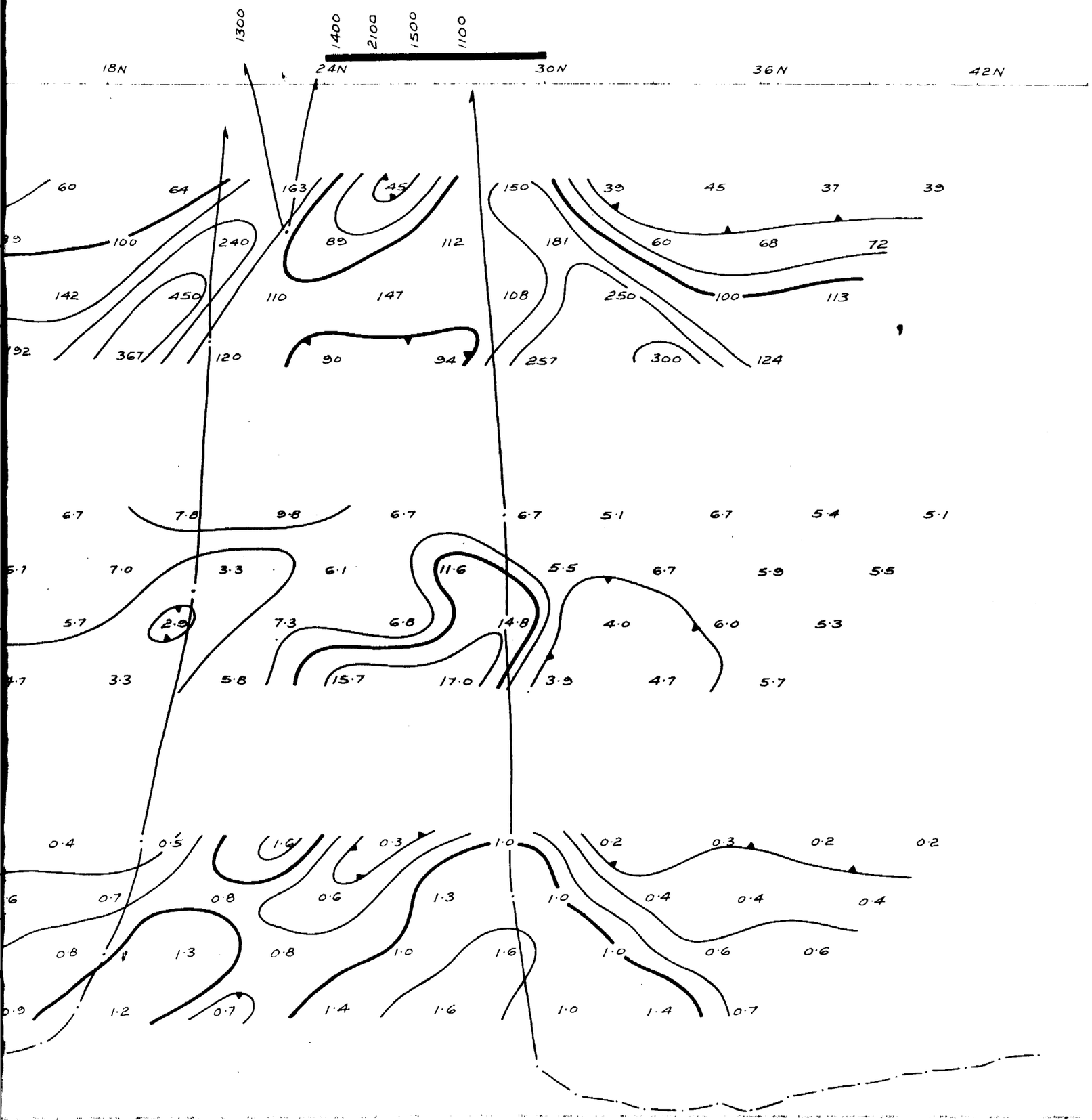
24S 18S 12S 6S 00 6N 12N

MAGNETIC PROFILE SCALE (GAMMAS)

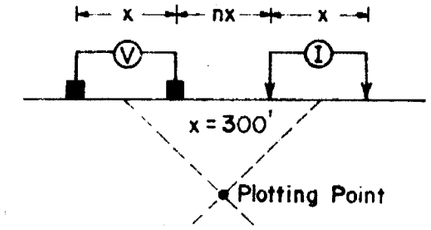
900 800 700 600 500 400 300 200 100

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

## LINE Nº 80W




ELECTRODE CONFIGURATION



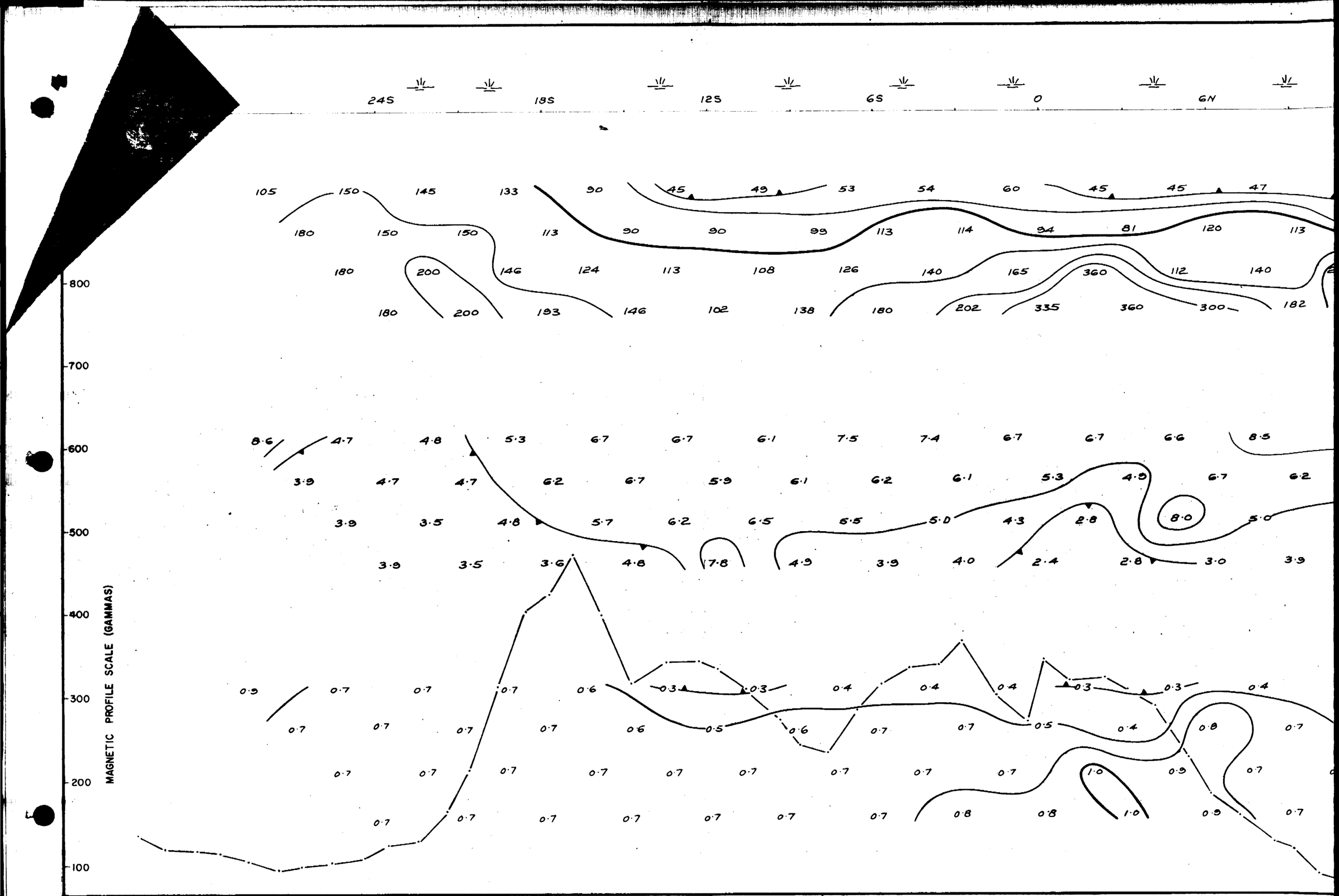


SCALE 1" = 300 feet, DATE July 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

2.2048

LINE No. 80W


24S
18S
12S
6S
0
6N
105 150 145 133 90 45 49 53 54 60 45 45 47
180 150 150 113 90 90 99 113 114 94 81 120 113
180 200 146 124 113 108 126 140 165 360 112 140
180 200 193 146 102 138 180 202 335 360 300 182
8·6 4·7 4·8 5·3 6·7 6·7 6·1 7·5 7·4 6·7 6·7 6·6 8·5
3·9 4·7 4·7 6·2 6·7 5·9 6·1 6·2 6·1 5·3 4·9 6·7 6·2
3·9 3·5 4·8 5·7 6·2 6·5 5·5 5·0 4·3 2·8 8·0 5·0
3·9 3·5 3·6 4·8 7·8 4·9 3·9 4·0 2·4 2·8 3·0 3·9
0·9 0·7 0·7 0·7 0·6 0·3 0·3 0·4 0·4 0·4 0·3 0·3 0·4
0·7 0·7 0·7 0·7 0·6 0·5 0·6 0·7 0·7 0·5 0·4 0·8 0·7
0·7 0·7 0·7 0·7 0·7 0·7 0·7 0·7 0·7 1·0 0·9 0·7
0·7 0·7 0·7 0·7 0·7 0·7 0·7 0·8 0·8 1·0 0·9 0·7
800
700
600
500
400
300
200
100
MAGNETIC PROFILE SCALE (GAMMAS)

1700 1600

6N 12N 18N 24N 30N Road 36N 42N 48N 54N

47 45 62 30 28 22 138 90 95 64 45 44 90 62 98 150

120 113 72 360 113 360 167 151 87 111 90 83 88 113 174 180

140 211 450 600 176 265 180 125 150 141 126 124 126 124 180

300 182 245 750 600 360 185 184 143 150 191 156 130 163 201

8·5 8·9 8·0 3·3 3·6 4·5 5·8 5·5 6·3 6·3 8·9 9·0 6·7 8·0 6·1 4·7

6·7 6·2 6·9 3·1 6·2 3·3 4·2 4·6 5·7 6·3 5·6 6·0 6·8 6·2 3·9 5·5

5·0 3·3 3·0 2·3 4·5 5·7 8·9 7·2 4·7 5·0 5·6 5·6 5·6 5·7 3·8

3·0 3·9 2·9 1·9 2·3 3·9 4·9 4·4 4·9 4·7 3·7 4·5 5·4 4·3 3·5

0·4 0·4 0·5 0·1 0·1 0·1 0·8 0·5 0·6 0·4 0·4 0·4 0·6 0·5 0·6 0·7

0·8 0·7 0·5 1·1 0·7 1·2 0·7 0·7 0·5 0·7 0·5 0·5 0·6 0·7 0·7 1·0

0·7 0·7 0·9 1·4 0·8 1·5 1·6 0·9 0·7 0·7 0·7 0·7 0·7 0·7 0·7 0·7

0·9 0·7 0·7 1·4 1·4 1·4 0·9 0·8 0·7 0·7 0·7 0·7 0·7 0·7 0·7

54N

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

## LINE No. 72W

◄ n = 1
◄ n = 2
◄ n = 3
◄ n = 4
◄ n = 5

Apparent Resistivity (ohm feet)

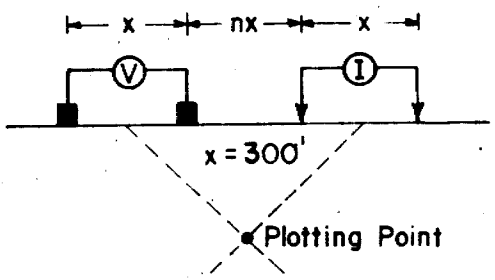
◄ n = 1
◄ n = 2
◄ n = 3
◄ n = 4
◄ n = 5

Metal Factor

◄ n = 1
◄ n = 2
◄ n = 3
◄ n = 4
◄ n = 5

Frequency Effect (%)

ELECTRODE CONFIGURATION




REGISTERED PROFESSIONAL ENGINEER
J. A. McGREGOR
PROVINCE OF ONTARIO

SCALE 1" = 300 feet, DATE July 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

2.2048

LINE No. 72W

Beaver Pond.

132S 128S 120S 114S 108S

100 300 97 90 62 45 52 45 113
133 360 106 50 85 224 86 120
450 225 190 180 186 282 250
600 450 213 286 298 225

7·0 4·3 6·2 6·7 6·5 6·7 7·7 6·7 6·2
5·3 3·9 5·7 5·4 5·9 4·9 4·7 5·9
3·3 3·6 4·2 3·9 4·5 3·9 2·8
2·3 2·2 3·2 3·9 4·0 3·1

0·7 1·3 0·6 0·6 0·4 0·3 0·4 0·3 0·7
0·7 1·4 0·6 0·7 0·5 1·0 0·4 1·7
1·5 0·8 0·8 0·7 0·7 1·1 0·7
1·4 1·0 0·7 1·1 1·2 0·7

MAGNETIC PROFILE SCALE (GAMMAS)
500
400
300
200
100

1025

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. SHERATON TOWNSHIP ONTARIO

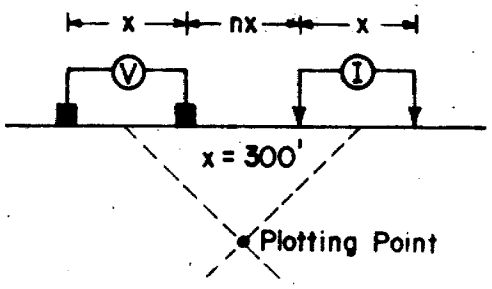
## LINE Nº 72 W

Apparent Resistivity (ohm feet)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Metal Factor
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Frequency Effect (%)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

ELECTRODE CONFIGURATION




REGISTERED PROFESSIONAL ENGINEER
J. A. McGREGOR
PROVINCE OF ONTARIO

SCALE 1" = 300 feet, DATE August 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

2.2048

LINE Nº 72 W

30S 24S 18S 12S 6S 0 6N

1000
900
800
700
600
500
400
300
200
100

MAGNETIC PROFILE SCALE (GAMMAS)

Trail

1325 1300 1100

Old Road

12N 18N 24N 30N 36N 42N 48N 54N

89 69 45 73 60 90 100 139 98 56 46 45 56 51 65 62

120 150 116 85 120 171 90 180 144 72 70 90 104 90 113 174

150 150 170 164 207 275 128 100 214 225 96 108 122 113 124 180

149 218 254 294 287 162 100 138 289 218 180 102 146 165 201 255

6.1 7.2 6.7 5.5 6.7 5.6 7.0 7.2 6.1 7.1 6.6 6.7 7.2 7.9 7.7 8.0

5.8 4.7 6.0 5.9 5.9 4.1 16.7 5.5 6.2 6.4 7.1 5.5 5.8 6.7 6.2 9.0

4.7 4.7 4.2 4.5 3.4 3.1 13.3 17.0 5.1 4.5 6.3 6.5 5.5 6.4 5.7 3.9

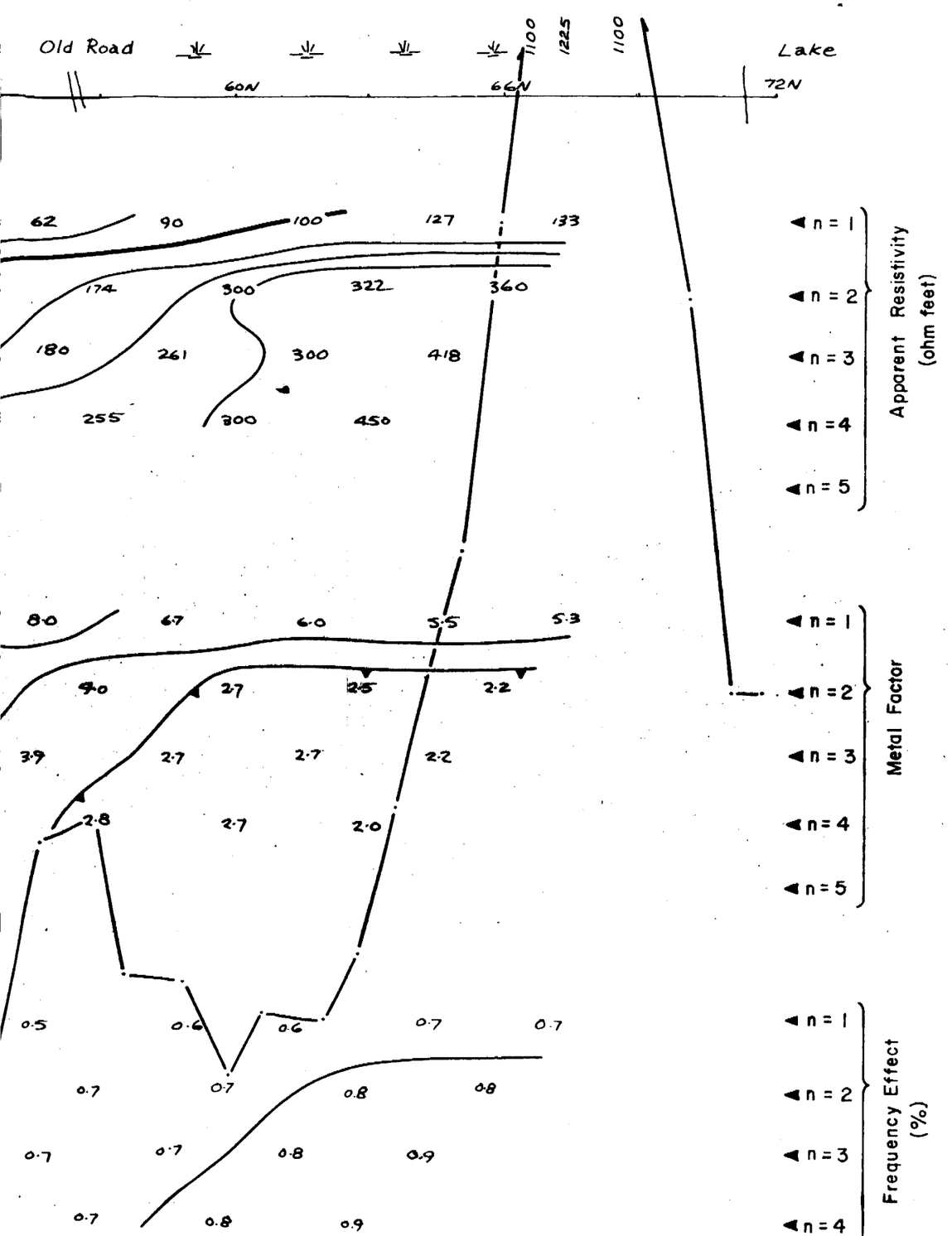
4.7 3.2 3.2 2.4 2.5 4.3 17.0 12.4 4.2 3.2 3.9 7.8 4.8 4.2 3.5 2.8

0.6 0.5 0.3 0.4 0.4 0.5 0.7 1.0 0.6 0.4 0.3 0.3 0.4 0.4 0.5 0.5

0.7 0.7 0.7 0.5 0.7 0.7 1.5 1.0 0.9 0.5 0.5 0.5 0.6 0.6 0.7 0.7

0.7 0.7 0.7 0.7 0.7 0.7 1.7 1.7 1.1 1.0 0.6 0.7 0.7 0.7 0.7 0.7

0.7 0.7 0.8 0.7 0.7 0.7 1.7 1.7 1.2 0.7 0.7 0.8 0.7 0.7 0.7 0.7




◄ n = 1
◄ n = 2
◄ n = 3
◄ n = 4
◄ n = 5
Apparent Resistivity (ohm feet)

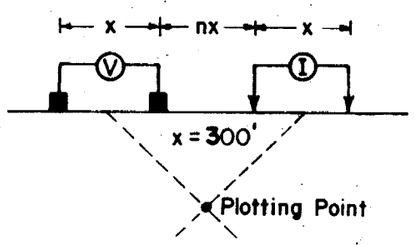
◄ n = 1
◄ n = 2
◄ n = 3
◄ n = 4
◄ n = 5
Metal Factor

◄ n = 1
◄ n = 2
◄ n = 3
◄ n = 4
◄ n = 5
Frequency Effect (%)

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

## LINE Nº 64W

ELECTRODE CONFIGURATION





SCALE 1" = 300 feet, DATE July 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

2·2028

LINE Nº 64W

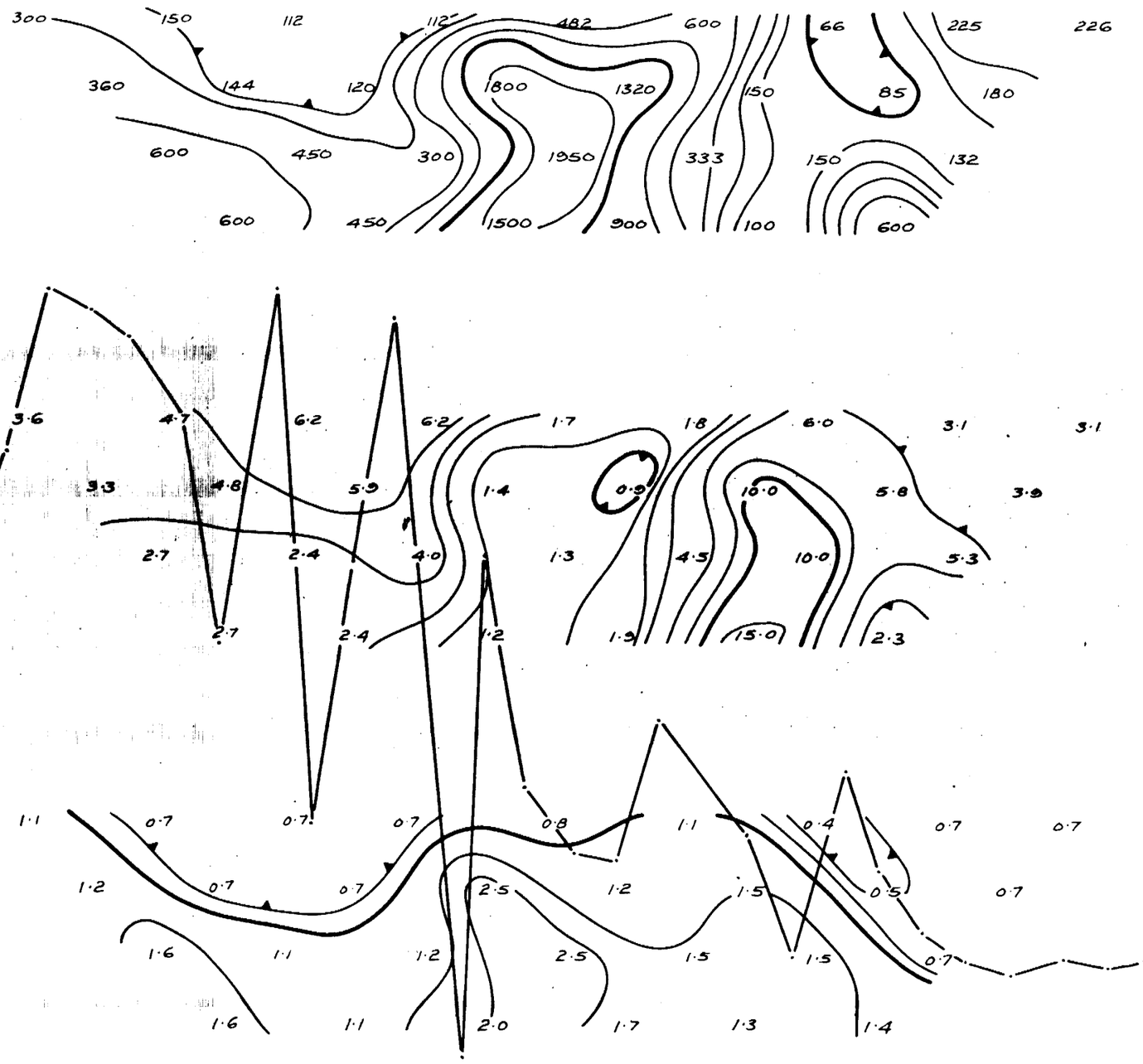
Trail

Trench

135S 129S 123S 117S 111S 105S

MAGNETIC PROFILE SCALE (GAMMAS)

900 800 700 600 500 400 300 200 100 0



# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND & SHERATON TOWNSHIPS ONTARIO

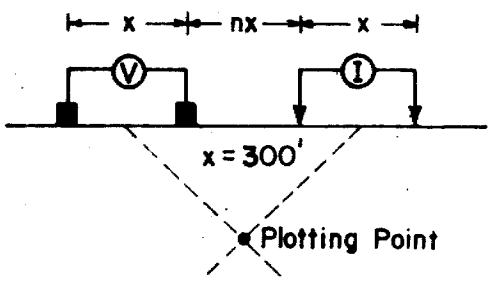
## LINE No. 64W

Apparent Resistivity (ohm feet)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Metal Factor
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Frequency Effect (%)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

ELECTRODE CONFIGURATION




REGISTERED PROFESSIONAL ENGINEER
J. A. McGREGOR
PROVINCE OF ONTARIO

SCALE 1" = 300 feet, DATE August 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

2.2048

LINE No. 64W

30 S 24 S 18 S 12 S 6 S 0 6 N 12 N

800
700
600
500
400
300
200
100
0

MAGNETIC PROFILE SCALE (GAMMAS)

26 39 43 75 64 39 43 45 44 43 45 45 44 44
70 80 72 90 90 70 75 83 88 85 85 87 88 77
100 118 108 141 126 102 120 124 126 127 100 111 122
105 116 112 150 156 165 138 130 163 146 120 120 124
3·9 7·7 4·6 5·3 6·3 7·7 7·0 8·7 5·0 7·0 6·7 8·9 6·9 6·8
4·3 3·8 4·2 5·6 5·7 4·3 5·3 6·0 6·8 8·9 6·0 6·9 5·7 6·5
7·0 5·8 6·5 5·0 5·6 6·9 5·8 5·6 5·5 5·5 6·0 6·3 5·7
6·8 6·0 6·2 4·7 4·5 4·3 5·1 5·4 4·3 4·8 6·7 5·4 5·6
0·1 0·3 0·2 0·4 0·4 0·3 0·3 0·4 0·4 0·3 0·3 0·4 0·3 0·3
0·3 0·3 0·3 0·5 0·5 0·3 0·4 0·5 0·6 0·5 0·5 0·6 0·5 0·5
0·7 0·7 0·7 0·7 0·7 0·7 0·7 0·7 0·7 0·7 0·7 0·6 0·7 0·7
0·9 0·7 0·7 0·7 0·7 0·7 0·7 0·7 0·7 0·7 0·8 0·7 0·7

1300 1350

12N 18N 24N 30N 36N 42N 48N

44 43 42 45 44 45 45 254 45 70 38 35 50 51 50

88 77 82 81 87 85 120 360 50 67 180 64 76 75 90

122 111 119 125 124 176 450 64 56 105 300 116 106 141 145

120 124 124 120 112 221 450 290 81 139 168 139 100 126 191

6·8 7·0 7·1 8·9 9·1 8·9 8·9 3·1 13·3 6·7 5·3 5·7 8·0 7·8 8·0

5·7 6·5 6·1 4·9 5·7 5·9 5·8 2·7 27·9 7·5 3·9 6·3 5·3 5·3 5·5

5·7 6·3 5·9 5·6 5·6 4·0 2·2 25·0 26·8 8·6 2·7 6·1 6·6 5·0 4·8

5·4 5·6 5·6 5·8 6·3 3·6 2·2 3·8 21·0 5·7 4·2 5·0 7·0 5·6 3·7

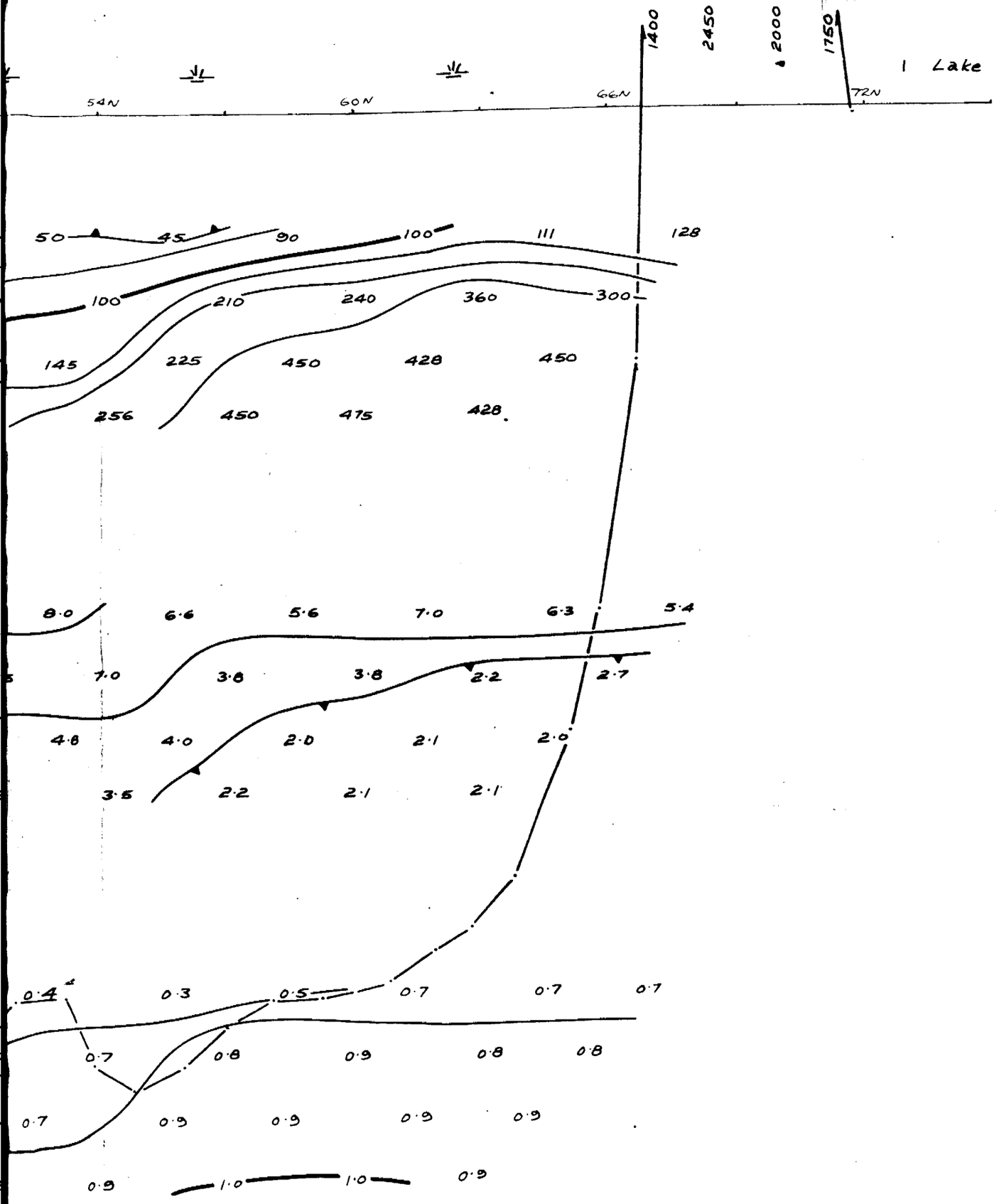
0·3 0·3 0·3 0·4 0·4 0·4 0·4 0·8 0·6 0·6 0·2 0·2 0·4 0·4 0·4

0·5 0·5 0·5 0·4 0·5 0·5 0·7 1·0 1·4 0·5 0·7 0·4 0·4 0·4 0·5

0·7 0·7 0·7 0·7 0·7 0·7 1·0 1·6 1·5 0·9 0·8 0·7 0·7 0·7 0·7

0·7 0·7 0·7 0·7 0·7 0·8 1·0 1·1 1·7 0·8 0·7 0·7 0·7 0·9

240




◄n = 1
◄n = 2
◄n = 3
◄n = 4
◄n = 5
Apparent Resistivity (ohm feet)

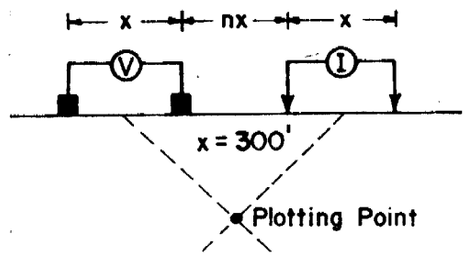
◄n = 1
◄n = 2
◄n = 3
◄n = 4
◄n = 5
Metal Factor

◄n = 1
◄n = 2
◄n = 3
◄n = 4
◄n = 5
Frequency Effect (%)

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

## LINE Nº 56W

ELECTRODE CONFIGURATION

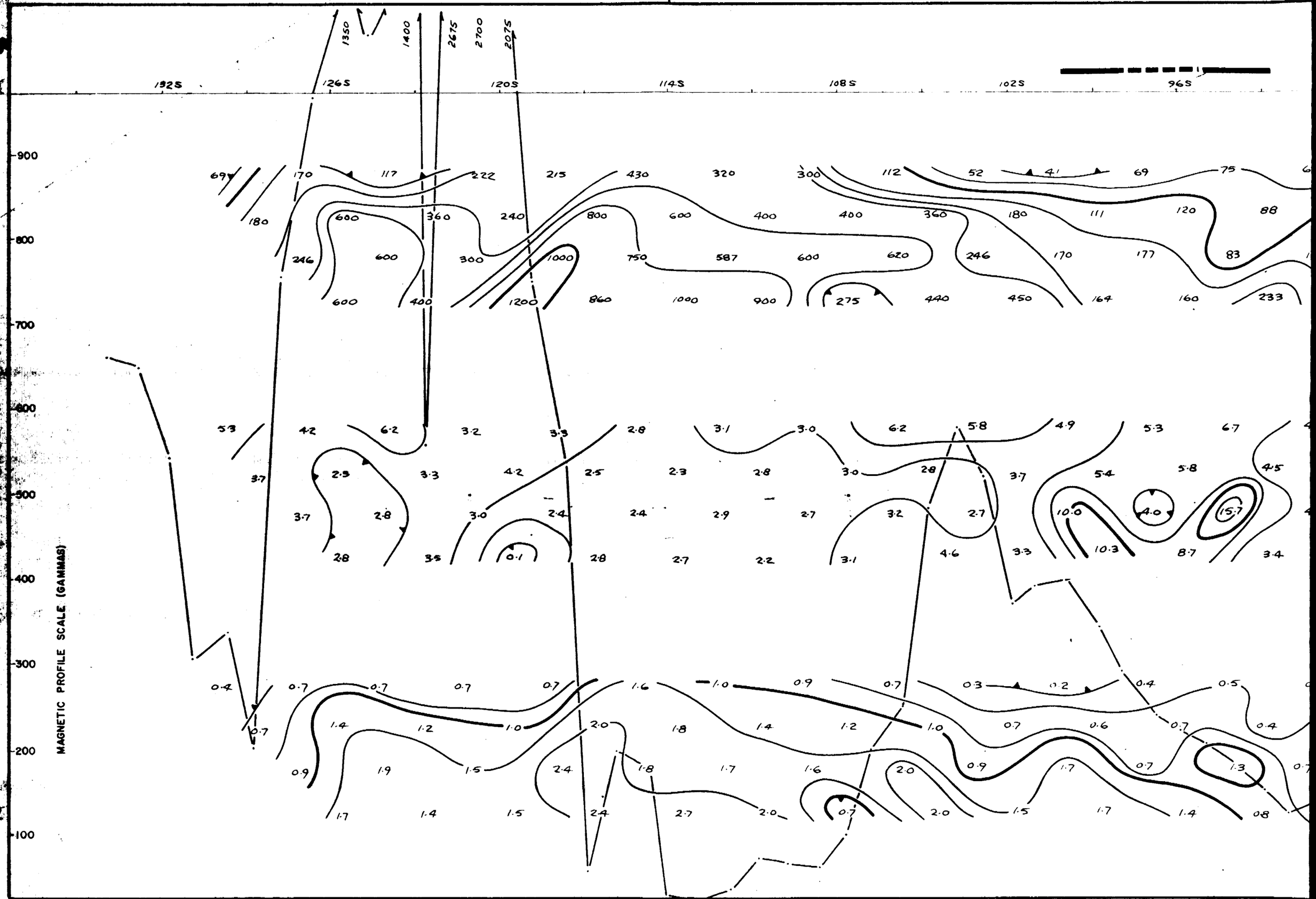


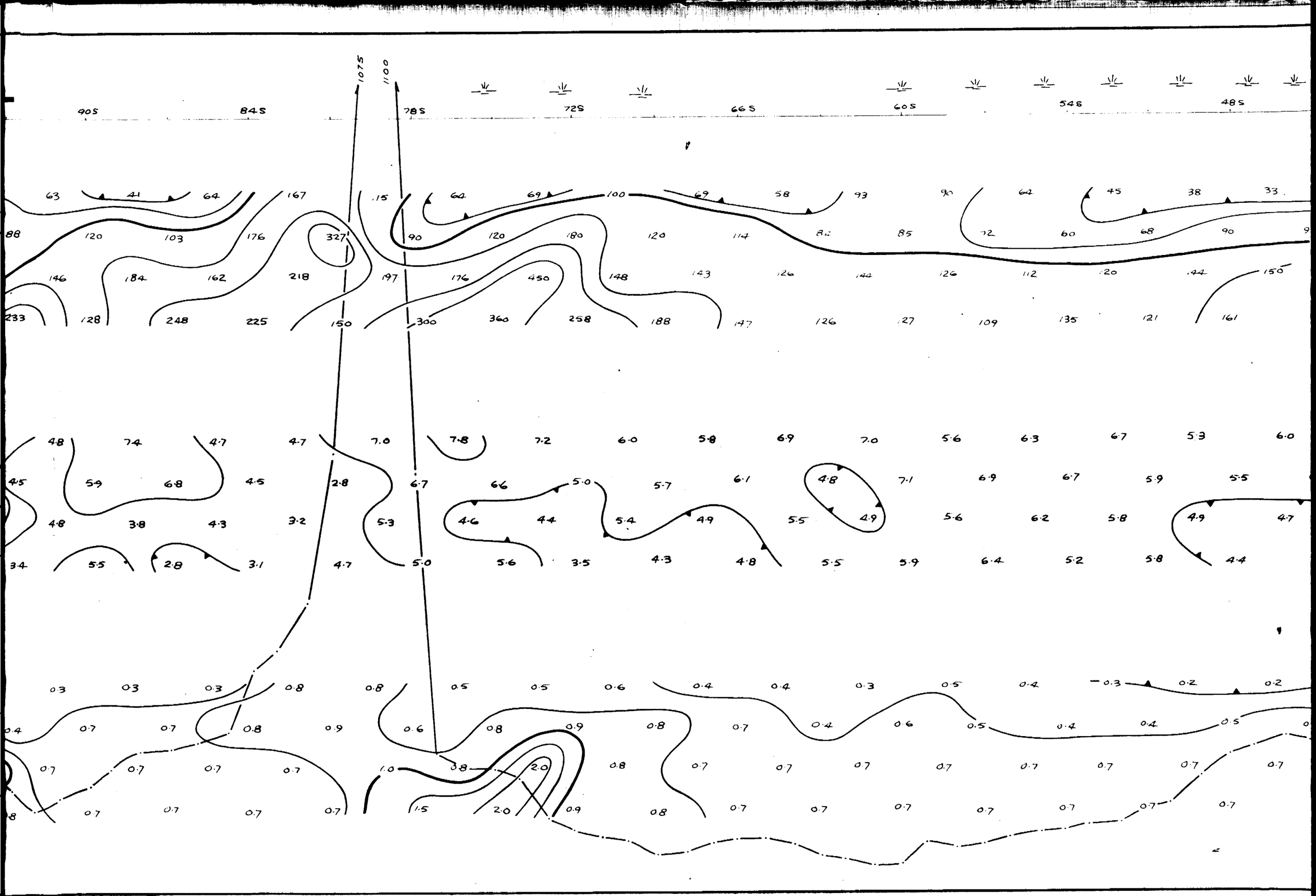


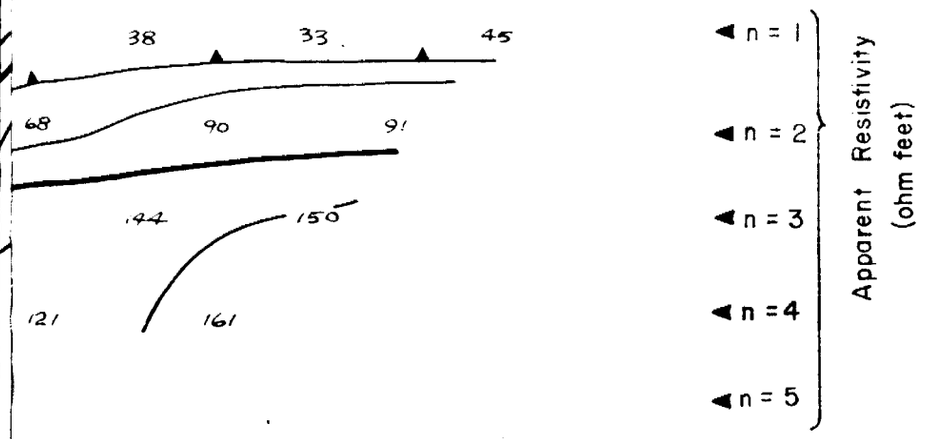
SCALE 1" = 300 feet, DATE July 1975
Contours at logarithmic multiples of
10, 15, 20, 30, 50, 75 & 100

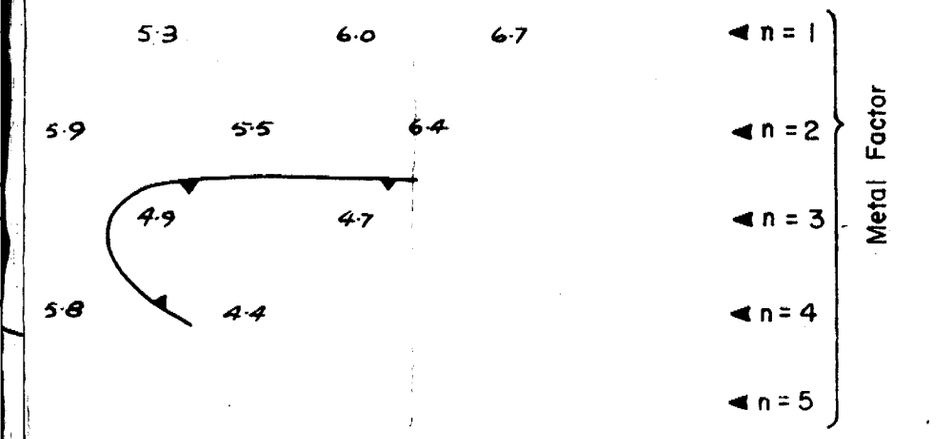
2·2048

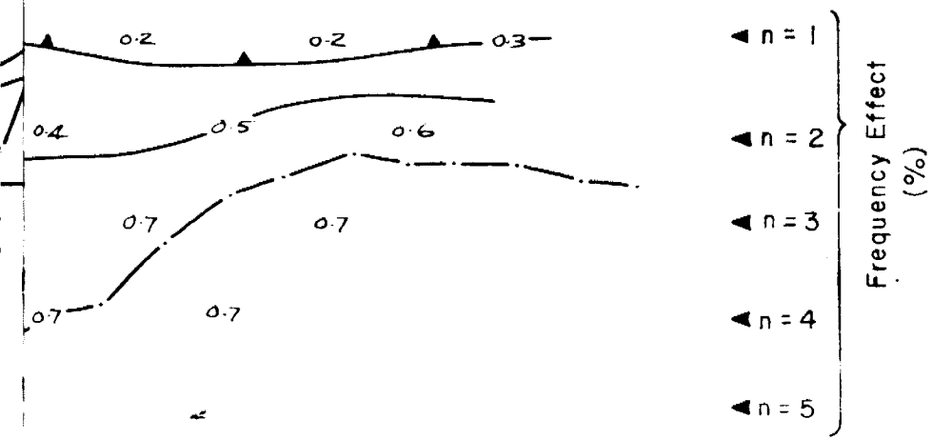
LINE No. 56W


1325
1265
1205
1145
1085
1025
965
1350
1400
2675
2700
2075
900
800
700
600
500
400
300
200
100
MAGNETIC PROFILE SCALE (GAMMAS)


1075
1100
90S
84S
78S
72S
66S
60S
54S
48S
63 41 64 167 115 64 69 100 69 58 93 90 64 45 38 33
88 120 103 176 327 90 120 180 120 114 84 85 72 60 68 90
146 184 162 218 197 176 450 148 143 126 144 126 112 120 144 150
233 128 248 225 150 300 360 258 188 147 126 127 109 135 121 161
4.8 7.4 4.7 4.7 7.0 7.8 7.2 6.0 5.8 6.9 7.0 5.6 6.3 6.7 5.3 6.0
4.5 5.9 6.8 4.5 2.8 6.7 6.6 5.0 5.7 6.1 4.8 7.1 6.9 6.7 5.9 5.5
4.8 3.8 4.3 3.2 5.3 4.6 4.4 5.4 4.9 5.5 4.9 5.6 6.2 5.8 4.9 4.7
3.4 5.5 2.8 3.1 4.7 5.0 5.6 3.5 4.3 4.8 5.5 5.9 6.4 5.2 5.8 4.4
0.3 0.3 0.3 0.8 0.8 0.5 0.5 0.6 0.4 0.4 0.3 0.5 0.4 0.3 0.2 0.2
0.4 0.7 0.7 0.8 0.9 0.6 0.8 0.9 0.8 0.7 0.4 0.6 0.5 0.4 0.4 0.5
0.7 0.7 0.7 0.7 1.0 0.8 2.0 0.8 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7
0.7 0.7 0.7 0.7 1.5 2.0 0.9 0.8 0.7 0.7 0.7 0.7 0.7 0.7 0.7

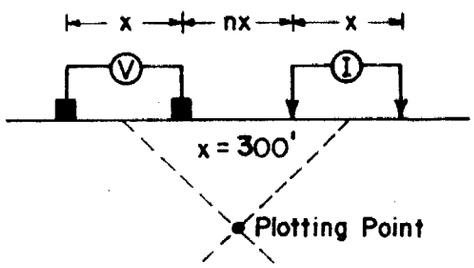



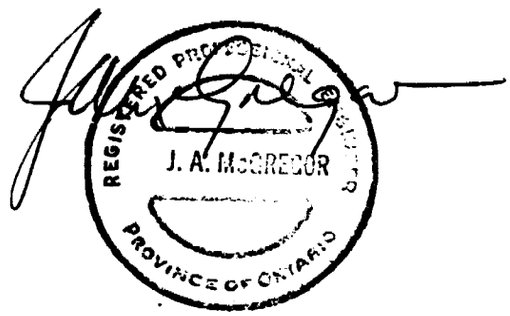




# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND & SHERATON TOWNSHIPS ONTARIO

## LINE Nº 56W

ELECTRODE CONFIGURATION



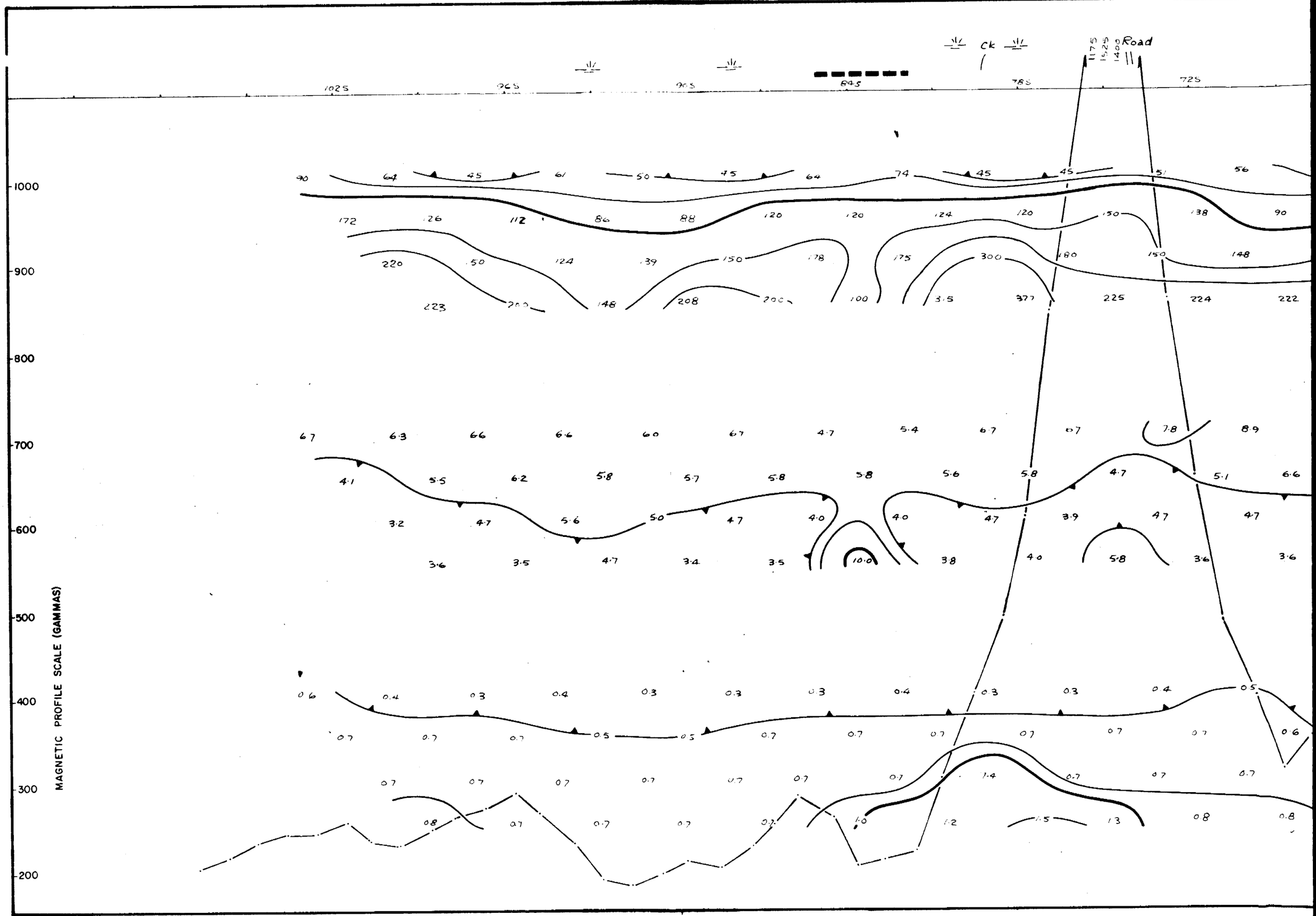




SCALE 1" = 300 feet, DATE August 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

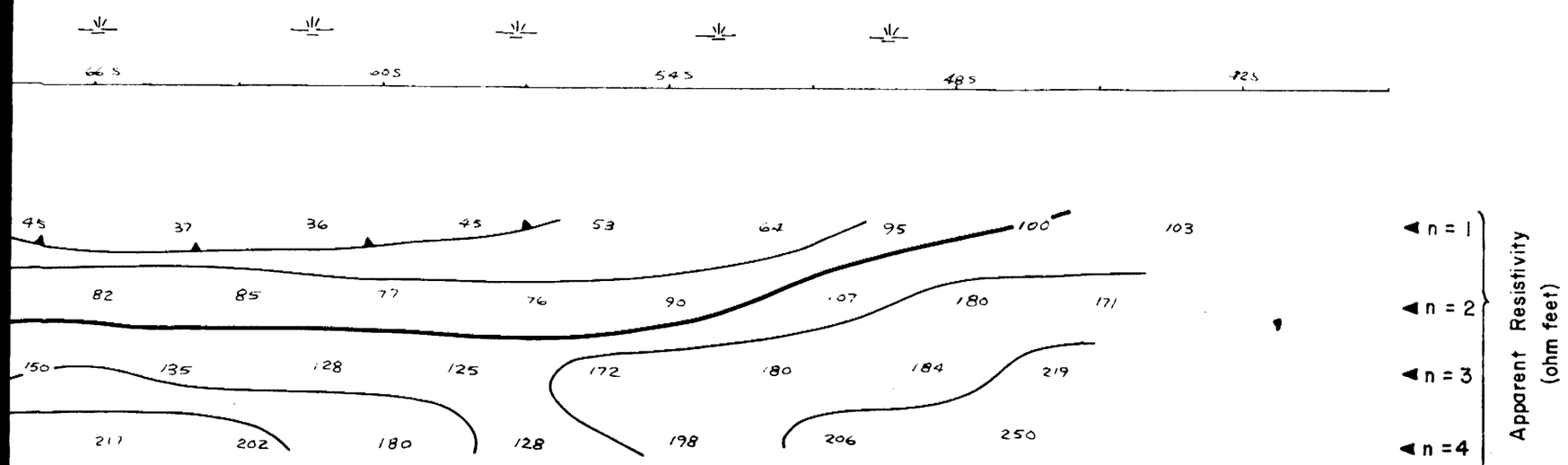
2.2048

LINE Nº 56W

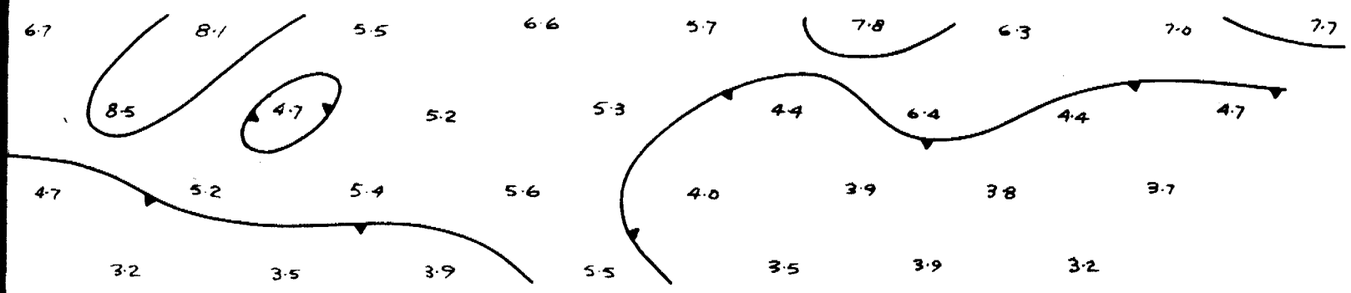

Ck
Road
1175
1525
1400
1025
965
905
845
785
725
1000
900
800
700
600
500
400
300
200
MAGNETIC PROFILE SCALE (GAMMAS)

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND & SHERATON TOWNSHIPS ONTARIO

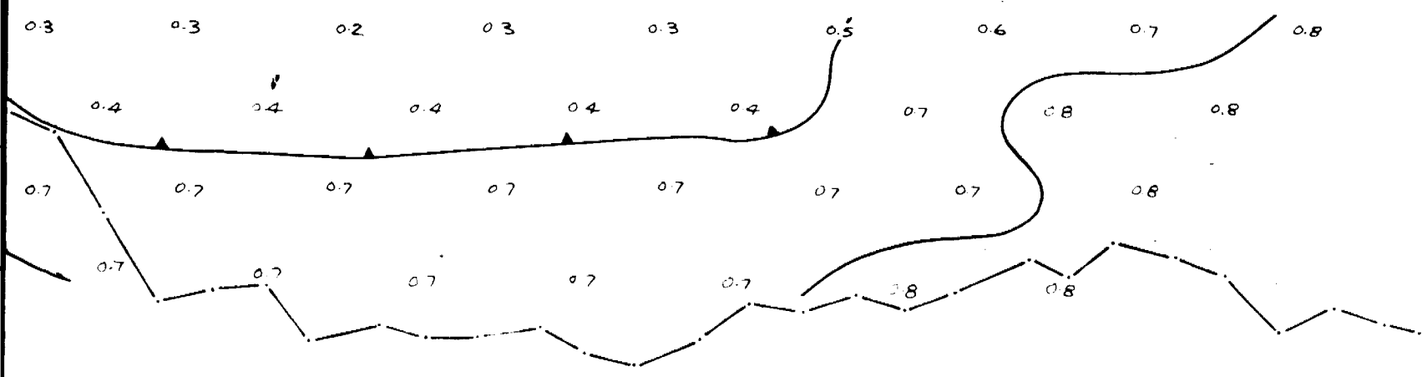
## LINE Nº 48W




◄ n = 1
◄ n = 2
◄ n = 3
◄ n = 4
◄ n = 5
Apparent Resistivity (ohm feet)

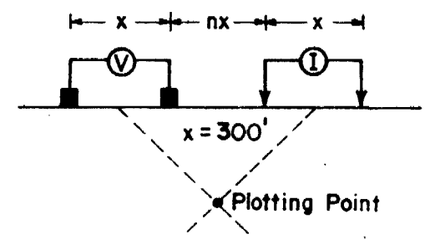


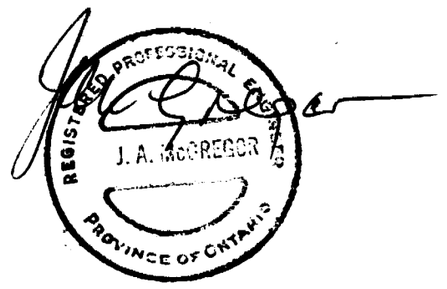

◄ n = 1
◄ n = 2
◄ n = 3
◄ n = 4
◄ n = 5
Metal Factor




◄ n = 1
◄ n = 2
◄ n = 3
◄ n = 4
◄ n = 5
Frequency Effect (%)

ELECTRODE CONFIGURATION

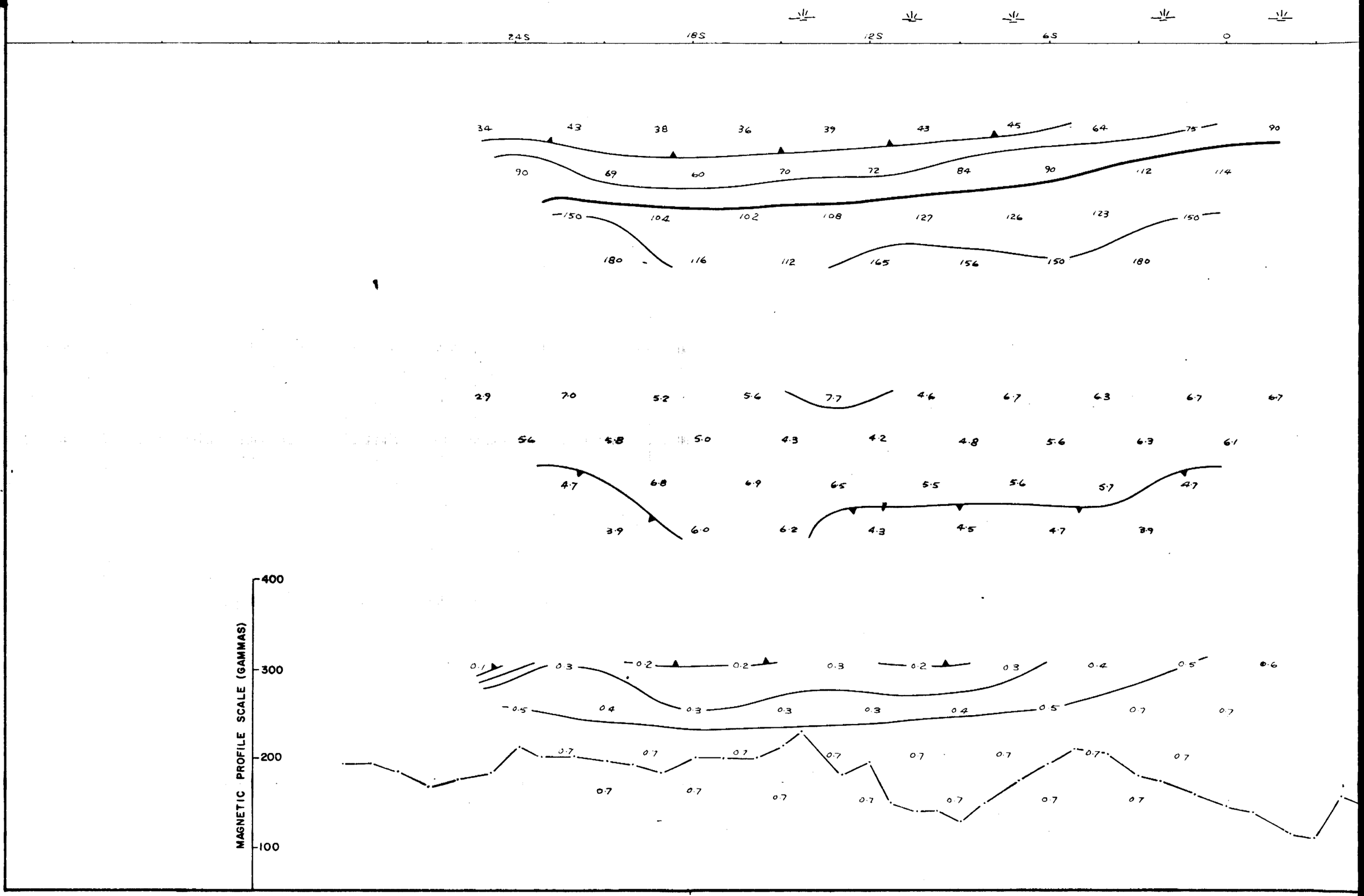



SCALE 1" = 300 feet, DATE August 1975
Contours at logarithmic multiples of
10, 15, 20, 30, 50, 75 & 100

2.2048

LINE Nº 48W


24S
18S
12S
6S
0
34 43 38 36 39 43 45 64 75 90
90 69 60 70 72 84 90 112 114
150 104 102 108 127 126 123 150
180 116 112 165 156 150 180
2·9 7·0 5·2 5·6 7·7 4·6 6·7 6·3 6·7 6·7
5·6 4·8 5·0 4·3 4·2 4·8 5·6 6·3 6·1
4·7 6·8 6·9 6·5 5·5 5·6 5·7 4·7
3·9 6·0 6·2 4·3 4·5 4·7 3·9
MAGNETIC PROFILE SCALE (GAMMAS)
400
300
200
100
0·1 0·3 0·2 0·2 0·3 0·2 0·3 0·4 0·5 0·6
0·5 0·4 0·3 0·3 0·3 0·4 0·5 0·7 0·7
0·7 0·7 0·7 0·7 0·7 0·7 0·7 0·7
0·7 0·7 0·7 0·7 0·7 0·7 0·7

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

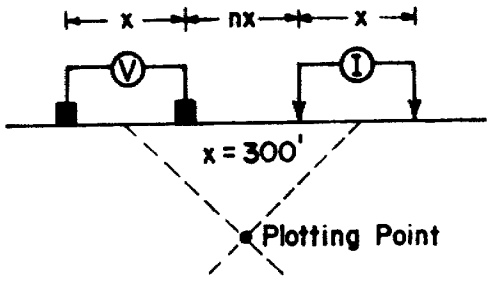
## LINE No. 48W

Apparent Resistivity (ohm feet)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Metal Factor
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Frequency Effect (%)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

ELECTRODE CONFIGURATION




REGISTERED PROFESSIONAL ENGINEER
J. A. McGREGOR
PROVINCE OF ONTARIO

SCALE 1" = 300 feet, DATE July 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

2.2048

LINE No. 48 W

MAGNETIC PROFILE SCALE (GAMMAS)

1000
900
800
700
600
500
400
300
200

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

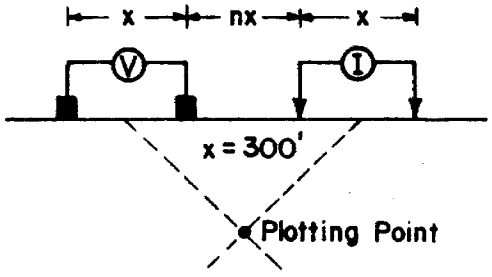
## LINE Nº 44 W

Apparent Resistivity (ohm feet)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Metal Factor
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Frequency Effect (%)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

ELECTRODE CONFIGURATION




REGISTERED PROFESSIONAL ENGINEER
J. A. McGREGOR
PROVINCE OF ONTARIO

SCALE 1" = 300 feet, DATE June 1975

Contours at logarithmic multiples of
10, 15, 20, 30, 50, 75 & 100

2.2048

LINE Nº 44 W

11 Road

30S 24S 18S 12S 6S 0

26 30 42 45 73 59 68 53 75 85 100

73 80 97 99 109 94 120 110 120 157

150 100 118 144 173 150 156 141 222

200 105 180 200 246 190 217 256

3.9 6.7 4.6 6.7 6.8 6.7 4.4 2.5 5.3 7.1 7.0

4.2 3.8 5.1 6.1 6.4 6.4 5.8 5.6 5.8 4.5

4.1 7.5 5.8 4.9 4.0 6.0 4.5 5.0 3.2

3.5 8.5 3.9 3.5 2.9 4.7 3.2 3.1

MAGNETIC PROFILE SCALE (GAMMAS)

500

400

300

200

0.2 0.2 0.3 0.5 0.4 0.3 0.4 0.4 0.6 0.7

0.3 0.3 0.5 0.6 0.7 0.6 0.7 0.5 0.7 0.7

0.7 0.7 0.7 0.7 0.7 0.9 0.7 0.7 0.7

0.7 0.9 0.7 0.5 0.7 0.9 0.8

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

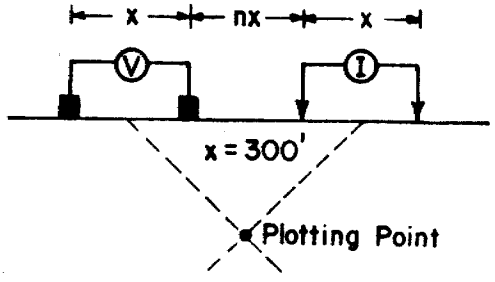
## LINE Nº 40W

Apparent Resistivity (ohm feet)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Metal Factor
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Frequency Effect (%)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

ELECTRODE CONFIGURATION




REGISTERED PROFESSIONAL ENGINEER
J. A. McGREGOR
PROVINCE OF ONTARIO

SCALE 1" = 300 feet, DATE July 1975
Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

2.2048

LINE Nº 40W

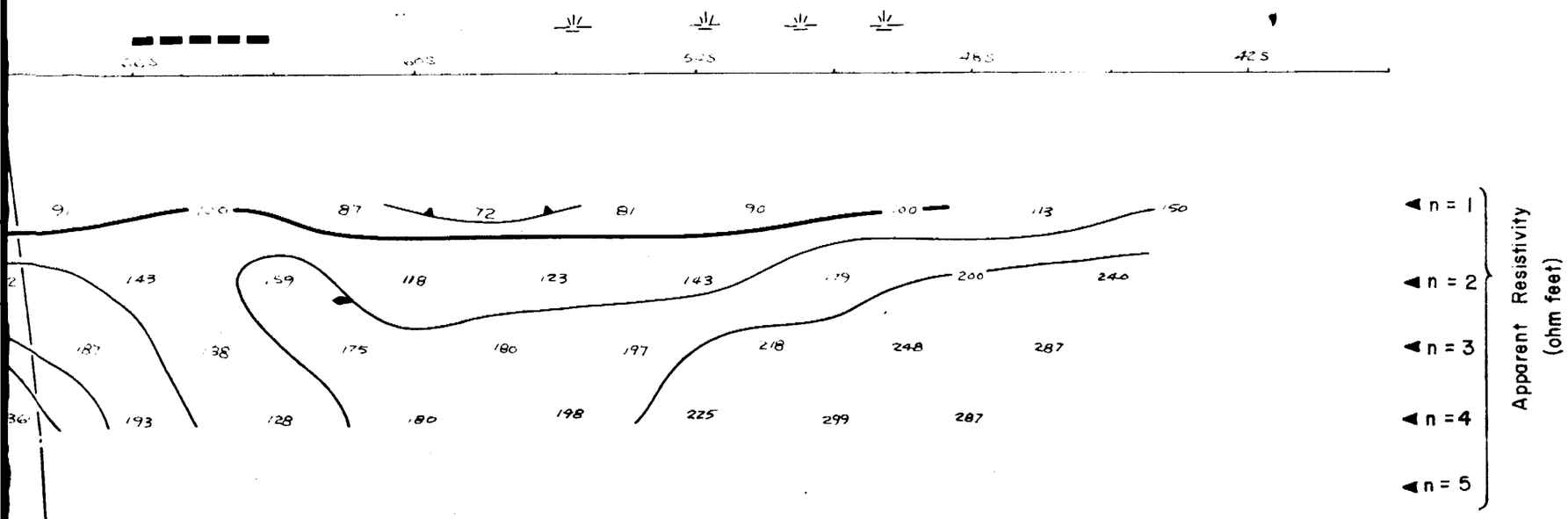
Road

1000
900
800
700
600
500
400
300
200
100

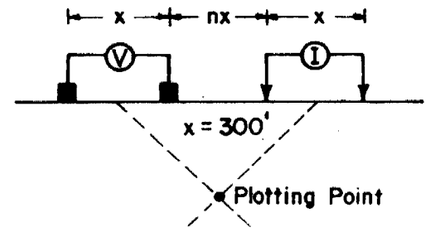
MAGNETIC PROFILE SCALE (GAMMAS)

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND & SHERATON TOWNSHIPS ONTARIO

## LINE Nº 40 W




ELECTRODE CONFIGURATION




REGISTERED PROFESSIONAL ENGINEER J. A. MacGREGOR PROVINCE OF ONTARIO

SCALE 1" = 300 feet, DATE August 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

2.2048

LINE Nº 40W

78N 84N 90N 96N 102N 108N

1000
900
800
700
600
500
400
300
200
100

MAGNETIC PROFILE SCALE (GAMMAS)

600 600 816 121 90 64 87 50 150 129 100
600 782 495 120 78 250 576 360 224
600 450 147 205 450 600 450 360
600 450 128 197 1800 1450 478

1·3 1·0 5·8 3·8 3·1 4·6 4·0 4·7 5·9 6·0
1·3 1·1 1·6 5·0 3·9 3·2 1·4 1·9 3·1
1·3 2·0 4·8 3·5 2·0 1·3 1·8 1·9
1·3 2·0 7·9 5·1 0·6 0·7 1·7

0·8 0·8 0·7 0·3 0·2 0·4 0·2 0·7 0·7 0·6
0·8 0·8 0·8 0·6 0·3 0·8 0·8 0·7 0·7
0·8 0·9 0·7 0·7 0·7 0·8 0·8 0·7
0·8 0·9 1·0 1·0 1·1 1·0 0·8

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

## LINE Nº. 36 W

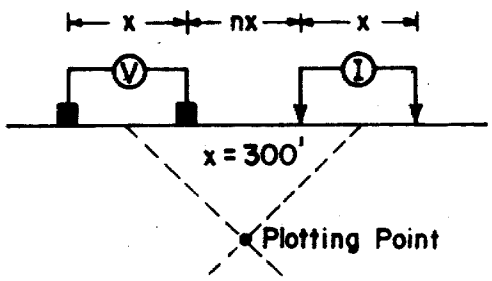
14N

Apparent Resistivity (ohm feet)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Metal Factor
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Frequency Effect (%)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

ELECTRODE CONFIGURATION




REGISTERED PROFESSIONAL ENGINEER
J. A. McGREGOR
PROVINCE OF ONTARIO

SCALE 1" = 300 feet, DATE June 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

2.2048

LINE Nº. 36W

Road

30S 24S 18S 12S 6S 0

MAGNETIC PROFILE SCALE (GAMMAS)

800
700
600
500
400
300
200

45 45 42 45 75 90 00 90 97 90 97
72 72 78 97 112 180 120 103 150 200
113 100 110 150 175 166 146 145 177
128 180 187 180 162 180 193 200

6·7 7·2 6·7 6·6 6·7 7·0 6·7 6·2 6·7 6·2
5·6 5·6 6·7 6·2 8·0 3·9 5·8 4·8 4·7 3·5
6·2 7·0 6·3 6·0 5·1 4·2 4·8 4·8 4·0
5·4 3·9 3·8 3·9 5·5 4·0 3·6 3·5

0·3 0·3 0·3 0·3 0·5 0·6 0·7 0·6 0·6 0·6 0·6
0·4 0·4 0·5 0·6 0·9 0·7 0·7 0·7 0·7 0·7
0·7 0·7 0·7 0·9 0·9 0·7 0·7 0·7 0·7
0·7 0·7 0·7 0·7 0·9 0·7 0·7 0·7

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

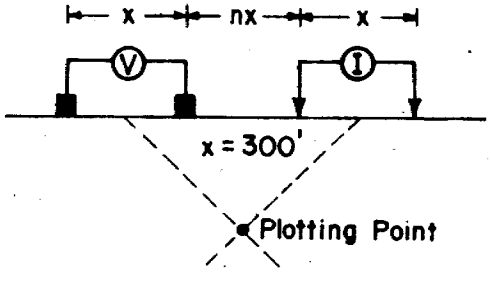
## LINE Nº 32W

Apparent Resistivity (ohm feet)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Metal Factor
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Frequency Effect (%)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

ELECTRODE CONFIGURATION




REGISTERED PROFESSIONAL ENGINEER
J. A. McGREGOR
PROVINCE OF ONTARIO

SCALE 1" = 300 feet, DATE July 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

2.2048

LINE Nº 32W

Creek

Road

108S 102S 96S 90S 84S 78S 72S

900
800
700
600
500
400
300
200
100

MAGNETIC PROFILE SCALE (GAMMAS)

99 90 90 75 70 86 93 82 128 77 128 73

180 131 120 122 120 120 146 211 178 203 172 161

217 225 300 166 150 140 267 156 300 326 430

200 226 277 167 150 184 263 390 400 452 430

6·1 6·7 5·5 6·6 7·2 7·0 6·5 7·3 5·5 7·8 6·2 10·9

3·9 5·3 5·8 6·7 4·2 5·8 4·8 3·7 4·5 4·0 4·7 4·4

3·2 3·1 2·7 4·2 4·7 5·7 2·6 10·3 5·9 5·2 3·0

3·5 3·1 2·9 4·2 4·7 3·8 2·2 4·8 4·8 2·2 4·0

0·6 0·6 0·5 0·5 0·5 0·6 0·6 0·6 0·7 0·6 0·8 0·8

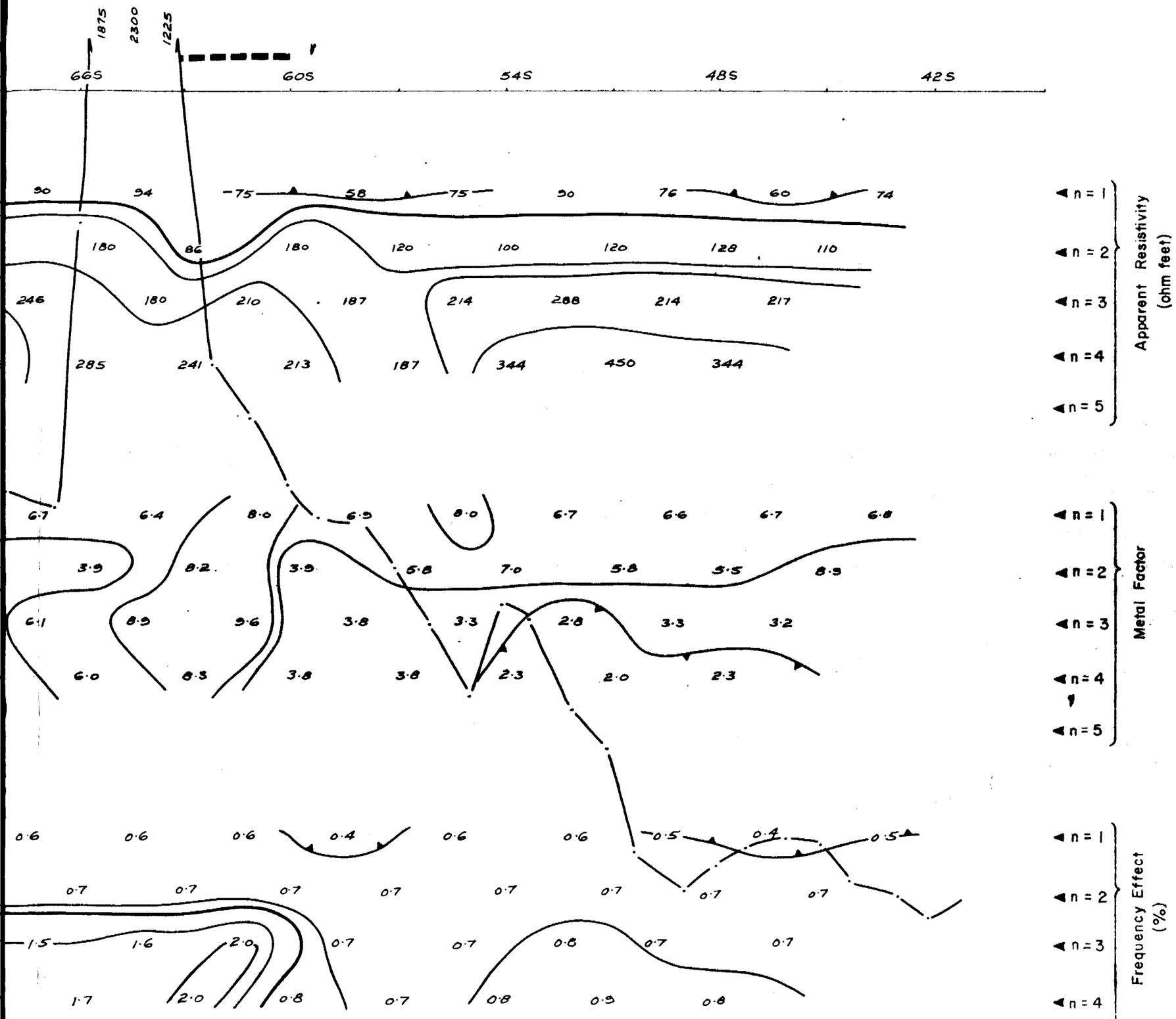
0·7 0·7 0·7 0·7 0·5 0·7 0·7 0·8 0·8 0·8 0·8 0·7

0·7 0·7 0·8 0·7 0·7 0·8 0·7 1·6 1·8 1·7 1·3

0·7 0·7 0·8 0·7 0·7 0·7 0·8 1·9 1·9 1·0 1·7

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND & SHERATON TOWNSHIPS ONTARIO

## LINE No. 32 W

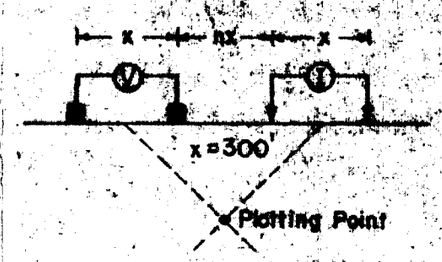


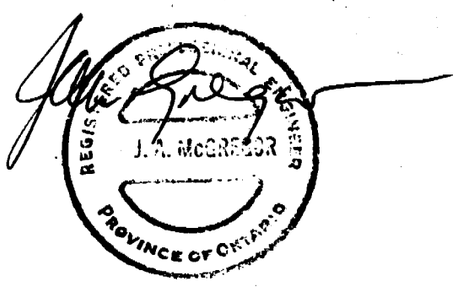

◄n = 1
◄n = 2
◄n = 3
◄n = 4
◄n = 5
Apparent Resistivity (ohm feet)

◄n = 1
◄n = 2
◄n = 3
◄n = 4
◄n = 5
Metal Factor

◄n = 1
◄n = 2
◄n = 3
◄n = 4
◄n = 5
Frequency Effect (%)

ELECTRODE CONFIGURATION




SCALE 1" = 300 feet, DATE July 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

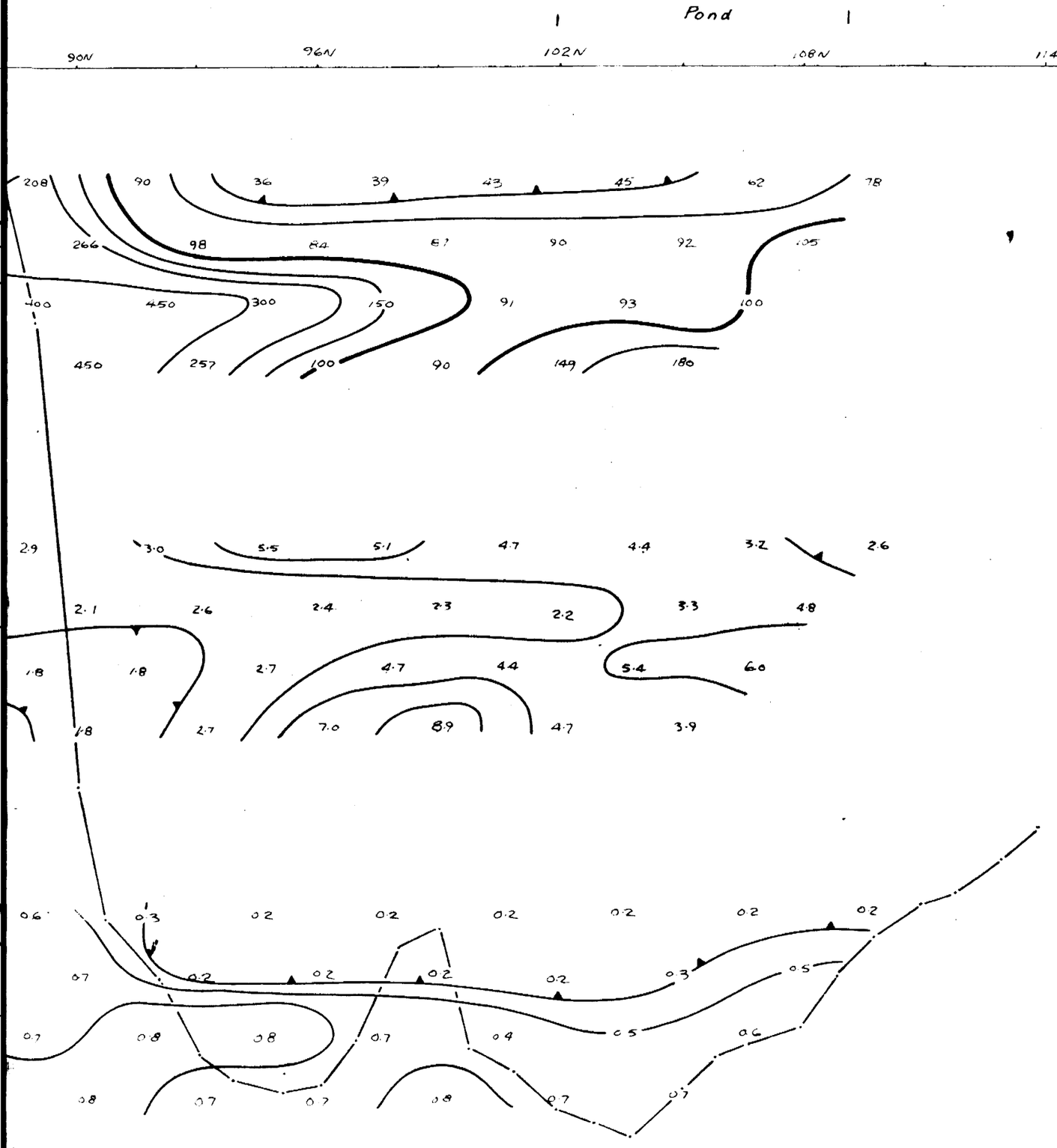
2.2048

LINE No. 32 W

48N 54N 60N 66N 72N 78N 84N

MAGNETIC PROFILE SCALE (GAMMAS)

900 800 700 600 500 400 300 200 100




◄n = 1
◄n = 2
◄n = 3
◄n = 4
◄n = 5
Apparent Resistivity (ohm feet)

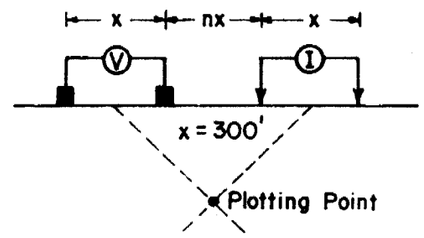
◄n = 1
◄n = 2
◄n = 3
◄n = 4
◄n = 5
Metal Factor

◄n = 1
◄n = 2
◄n = 3
◄n = 4
◄n = 5
Frequency Effect (%)

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

## LINE Nº 28W

ELECTRODE CONFIGURATION





SCALE 1" = 300 feet, DATE July 1975
Contours at logarithmic multiples of
10, 15, 20, 30, 50, 75 & 100

2.2048

LINE Nº 28W

Road

78S 72S 66S 60S 54S 48S 42S

1000
900
800
700
600
500
400
300
200
100

MAGNETIC PROFILE SCALE (GAMMAS)

93 121 165 111 178 145 102 75 90 60 74 76
150 250 360 450 495 512 360 100 120 110 120 128
178 300 360 450 600 225 300 288 214 280 205
213 300 450 600 500 218 485 450 344 318 300

5·3 5·8 3·6 6·3 4·0 4·8 6·9 8·0 6·7 6·7 6·8 6·6
4·7 3·2 2·2 1·8 2·2 2·2 2·2 7·0 5·8 6·4 5·8 5·5
4·0 2·7 2·2 2·0 2·3 7·5 2·7 6·3 3·3 2·9 3·4
3·9 2·7 2·0 1·8 2·8 7·8 3·9 2·0 2·3 2·5 2·7

0·5 0·7 0·6 0·7 0·7 0·7 0·7 0·6 0·6 0·4 0·5 0·5 0·6
0·7 0·8 0·8 0·8 1·1 1·1 0·8 0·7 0·7 0·7 0·7 0·7 0·7
0·7 0·8 0·8 0·9 1·4 1·7 0·8 1·8 0·7 0·8 0·7
0·7 0·8 0·8 1·1 1·4 1·7 1·9 0·9 0·8 0·8 0·8

425 365 305 245 185 125 65 0

Road

Road

85 80 90 97 100 81 64 45 43 40 37 39 50 82 108

128 163 164 180 200 173 114 86 71 68 100 105 81 100 119

217 283 310 147 106 240 169 143 100 99 171 124 172 225

300 365 365 415 214 225 252 225 156 146 129 257 218 238

7·1 7·5 6·7 6·2 7·0 7·5 7·8 6·6 4·7 5·0 5·1 7·7 6·0 7·3 7·0

5·5 4·3 4·3 3·9 3·5 4·1 6·1 5·8 5·6 5·9 7·0 6·7 6·2 7·0 5·9

3·2 2·7 2·6 8·8 10·4 2·9 4·2 4·9 6·0 6·1 4·1 5·6 4·0 3·1

2·7 2·3 2·2 2·2 7·0 4·0 2·8 3·1 4·5 4·8 5·4 3·1 3·2 3·4

0·6 0·6 0·6 0·6 0·7 0·6 0·5 0·3 0·2 0·2 0·2 0·3 0·3 0·6 0·7

0·7 0·7 0·7 0·7 0·7 0·7 0·7 0·5 0·4 0·4 0·7 0·7 0·5 0·7 0·7

0·7 0·8 0·8 1·3 1·1 0·7 0·7 0·7 0·6 0·6 0·7 0·7 0·7 0·7

0·8 0·8 0·8 0·9 1·5 0·9 0·7 0·7 0·7 0·7 0·7 0·8 0·7 0·8

GN

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

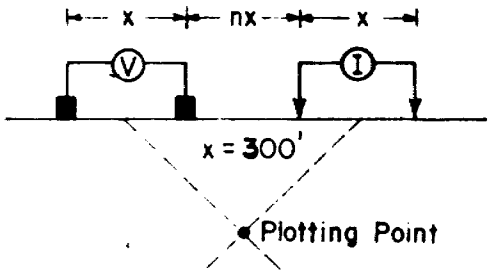
## LINE Nº 24W

Apparent Resistivity (ohm feet)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Metal Factor
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Frequency Effect (%)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

ELECTRODE CONFIGURATION




REGISTERED PROFESSIONAL ENGINEER
J. A. MacGREGOR
PROVINCE OF ONTARIO

SCALE 1" = 300 feet, DATE July 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

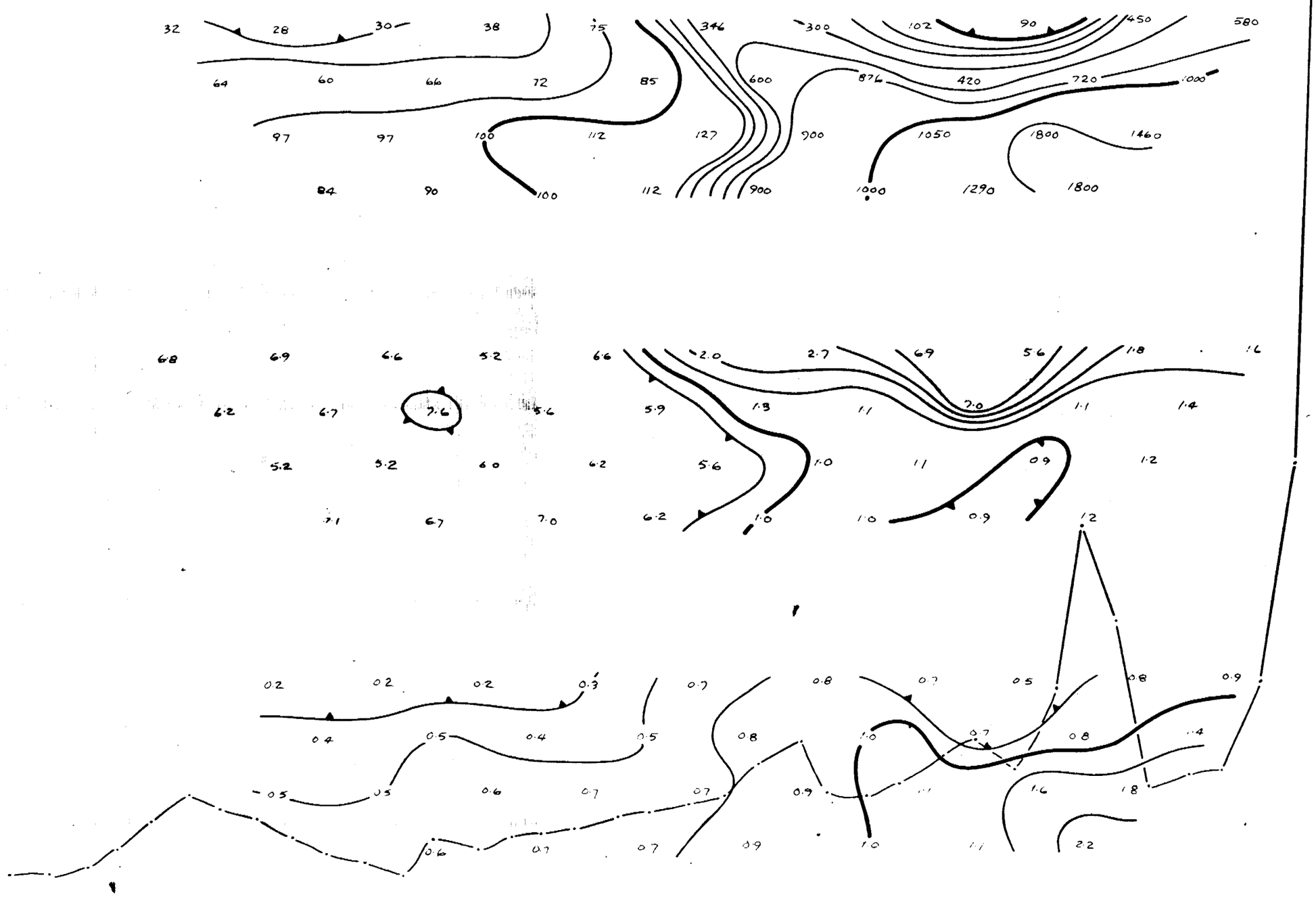
LINE Nº 24W

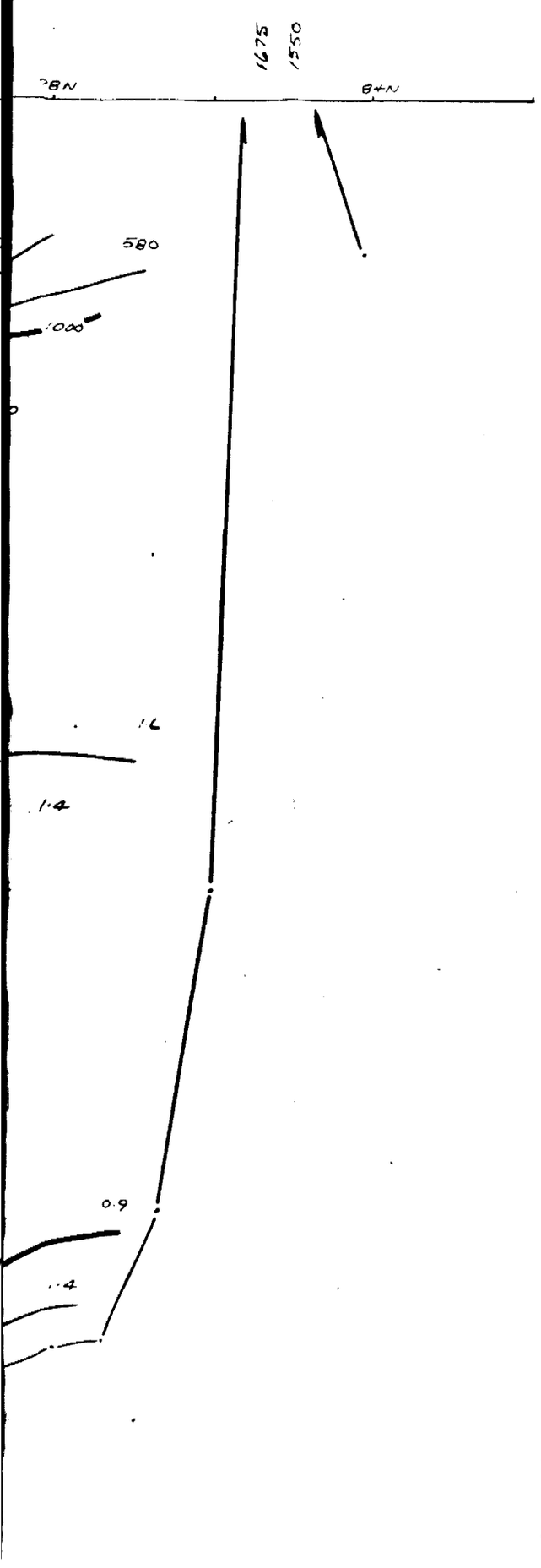
2.2048

48N 54N 60N 66N 72N 78N

MAGNETIC PROFILE SCALE (GAMMAS)

1000 900 800 700 600 500 400 300 200






# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

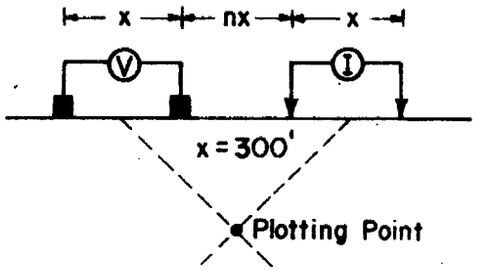
## LINE Nº 20W

Apparent Resistivity (ohm feet)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Metal Factor
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Frequency Effect (%)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

ELECTRODE CONFIGURATION




REGISTERED PROFESSIONAL ENGINEER
J. A. McGREGOR
PROVINCE OF ONTARIO

SCALE 1" = 300 feet, DATE July 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

2.2048

LINE Nº 20W

MAGNETIC PROFILE SCALE (GAMMAS)

1000
900
800
700
600
500
400
300
200
100

785 725 665 605 545 485 425

5000 4600 2000 3400 3100

Road

93 69 90 44 50 45 82 265 528 530 265 656

126 144 83 127 113 163 203 390 712 620 708 720

155 167 153 170 200 200 246 300 177 132 450

172 200 258 275 200 216 258 264 132 720 500

2.1 5.8 2.2 6.8 6.0 4.4 6.1 2.7 1.7 3.4 3.0 1.4

5.5 4.8 4.8 5.5 5.3 4.3 3.4 2.1 1.1 2.3 1.6 1.4

4.5 4.2 5.2 4.1 3.5 3.5 2.8 2.7 9.0 9.8 1.8

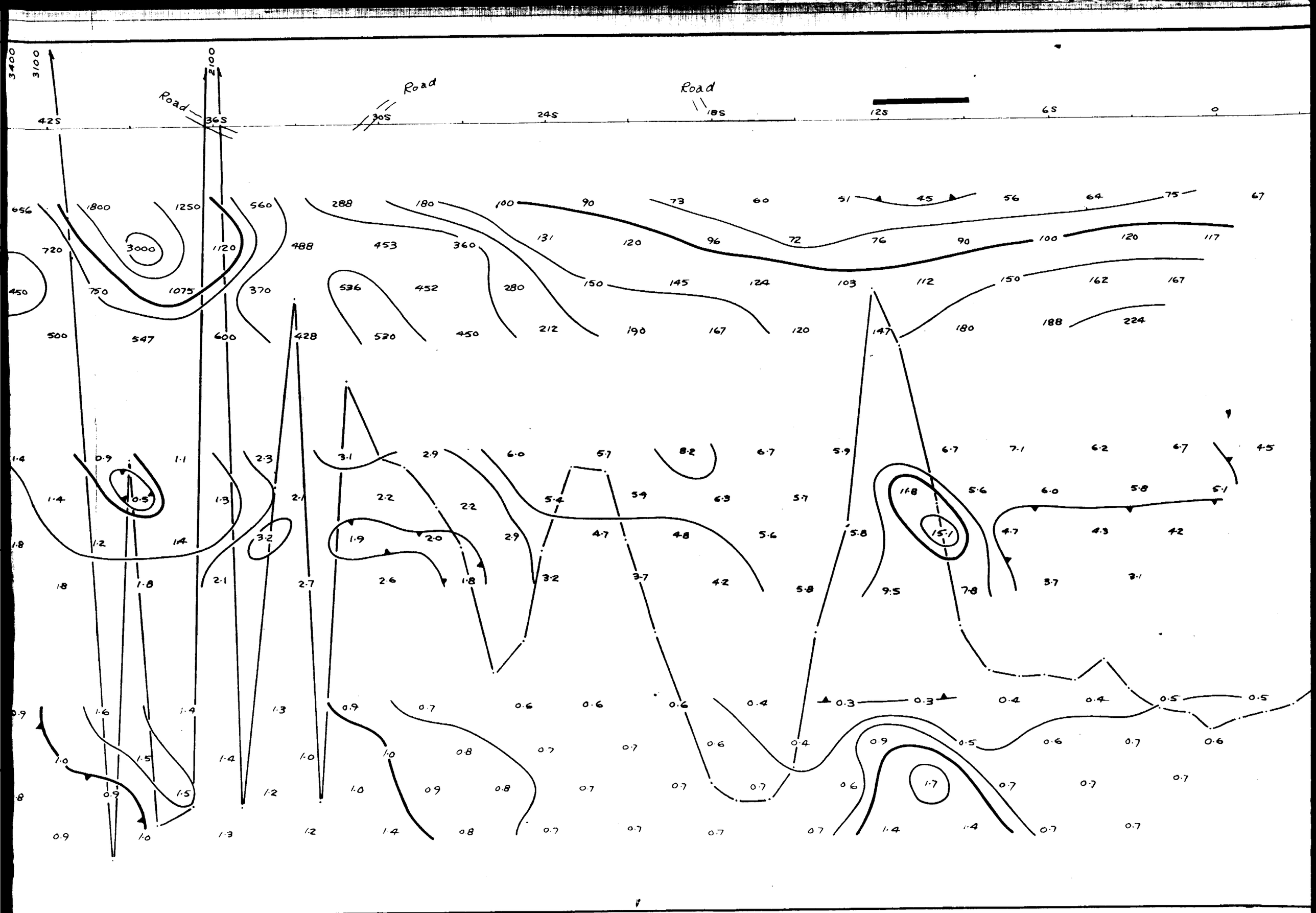
4.1 3.5 2.7 2.6 3.5 3.2 3.1 3.0 9.8 1.2 1.8

0.2 0.4 0.2 0.3 0.3 0.2 0.5 0.7 0.9 1.8 0.8 0.9

0.7 0.7 0.4 0.7 0.6 0.7 0.7 0.8 0.8 1.4 1.1 1.0

0.7 0.7 0.8 0.7 0.7 0.7 0.7 0.8 1.6 1.3 0.8

0.7 0.7 0.7 0.7 0.7 0.7 0.8 0.8 1.3 0.9 0.9


Road
Road
Road
425
365
305
245
185
125
65
0
3400
3100
2100
656
1800
1250
560
288
180
100
90
73
60
51
45
56
64
75
67
720
3000
1120
488
453
360
131
120
96
72
76
90
100
120
117
450
750
1075
370
536
452
280
150
145
124
103
112
150
162
167
500
547
600
428
530
450
212
190
167
120
147
180
188
224
1.4
0.9
1.1
2.3
3.1
2.9
6.0
5.7
8.2
6.7
5.9
6.7
7.1
6.2
6.7
4.5
1.4
0.5
1.3
2.1
2.2
2.2
5.4
5.9
6.9
5.7
1.8
5.6
6.0
5.8
5.1
1.8
1.2
1.4
3.2
1.9
2.0
2.9
4.7
4.8
5.6
5.8
15.1
4.7
4.3
4.2
1.8
1.8
2.1
2.7
2.6
1.8
3.2
3.7
4.2
5.8
9.5
7.8
5.7
3.1
0.9
1.6
1.4
1.3
0.9
0.7
0.6
0.6
0.6
0.4
0.3
0.3
0.4
0.4
0.5
0.5
1.0
1.5
1.4
1.0
1.0
0.8
0.7
0.7
0.6
0.4
0.9
0.5
0.6
0.7
0.6
0.8
0.9
1.5
1.2
1.0
0.9
0.8
0.7
0.7
0.7
0.6
1.7
0.7
0.7
0.7
0.9
1.0
1.3
1.2
1.4
0.8
0.7
0.7
0.7
0.7
1.4
1.4
0.7
0.7

GN

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

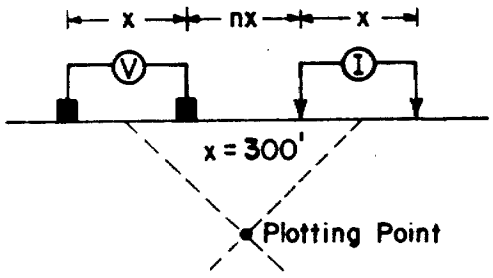
## LINE No. 16 W

Apparent Resistivity (ohm feet)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Metal Factor
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Frequency Effect (%)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

ELECTRODE CONFIGURATION




REGISTERED PROFESSIONAL ENGINEER
J. A. McGREGOR
PROVINCE OF ONTARIO

SCALE 1" = 300 feet, DATE July 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

1 INF No 16 W

2.2048

Line 16W at 20S

24S 21S 18S 15S 12S

42 58 25 29 41 32 30 33 30 30 30 33 29 27

69 60 30 44 52 30 40 51 49 40 45 40 40 39

50 57 49 60 50 42 60 70 60 49 52 47 57

52 50 65 61 65 60 73 64 66 55 64 65 65

6·9 5·2 4·0 6·9 4·9 6·2 6·7 9·1 6·7 6·7 6·7 9·1 6·9 7·4

5·8 6·7 6·7 6·8 5·8 6·7 7·5 9·8 8·2 7·5 8·7 7·5 7·5 7·7

8·0 8·7 6·1 6·6 8·0 7·2 6·7 7·1 6·7 6·1 7·7 6·2 7·0

7·7 10·0 9·1 8·2 7·7 6·7 6·8 7·8 7·6 7·1 6·2 6·1 6·1

0·2 0·2 0·1 0·2 0·2 0·2 0·2 0·3 0·2 0·2 0·2 0·3 0·2 0·2

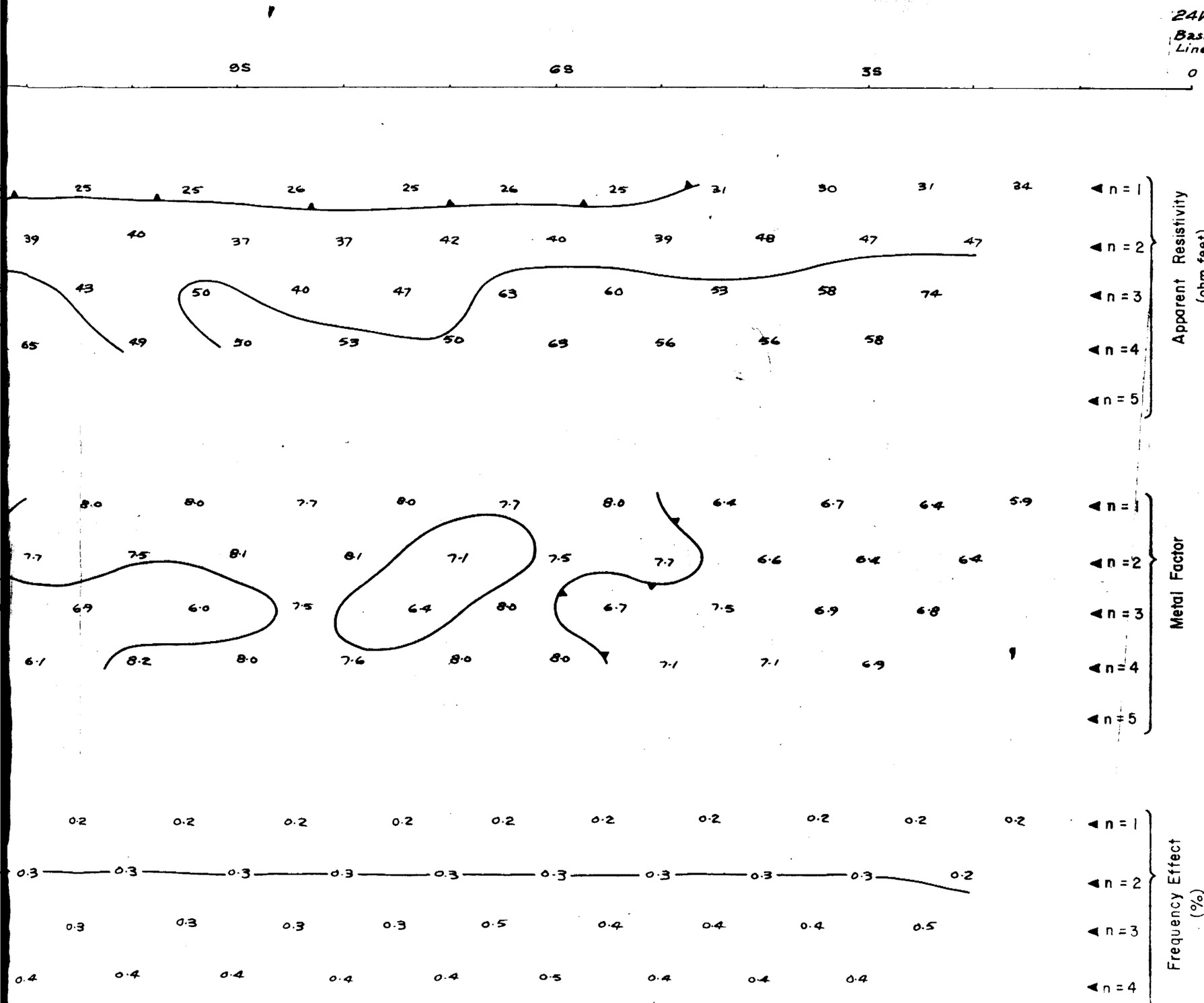
0·4 0·4 02 0·3 0·3 0·2 0·3 0·5 0·4 0·3 0·4 0·3 0·3 0·3

0·4 0·5 0·3 0·4 0·4 0·3 0·4 0·5 0·4 0·3 0·4 0·3 0·4

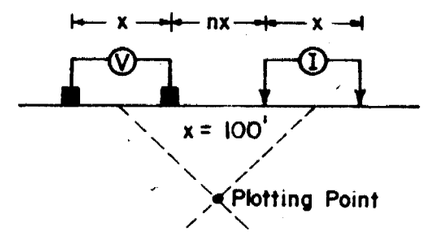
0·4 0·5 0·5 0·5 0·5 0·4 0·5 0·5 0·5 0·5 0·4 0·4 0·4

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

## LINE Nº ROAD (16W - 24W)




ELECTRODE CONFIGURATION





SCALE 1" = 100 feet, DATE August 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

2.2048

LINE Nº ROAD (16W - 24W)

54N 60N 66N 72N 78N 84N

Road //

1175 1000 2500

MAGNETIC PROFILE SCALE (GAMMAS)

500 400 300 200 100

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

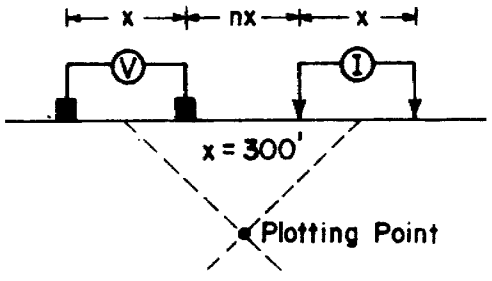
## LINE Nº 16W

Apparent Resistivity (ohm feet)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Metal Factor
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Frequency Effect (%)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

ELECTRODE CONFIGURATION




REGISTERED PROFESSIONAL ENGINEER
J. A. McGREGOR
PROVINCE OF ONTARIO

SCALE 1" = 300 feet, DATE August 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

2.2048

LINE Nº 16W

48N 54N 60N 66N 72N 78N

1400 1650 2000 1250

1100
1000
900
800
700
600
500
400
300
200

MAGNETIC PROFILE SCALE (GAMMAS)

84N

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

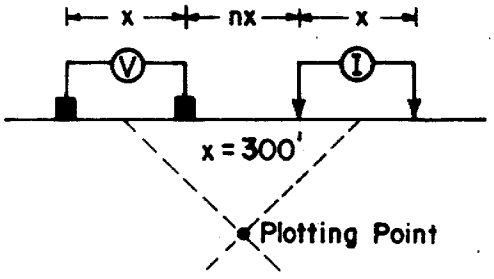
## LINE Nº 12W

Apparent Resistivity (ohm feet)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Metal Factor
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Frequency Effect (%)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

ELECTRODE CONFIGURATION



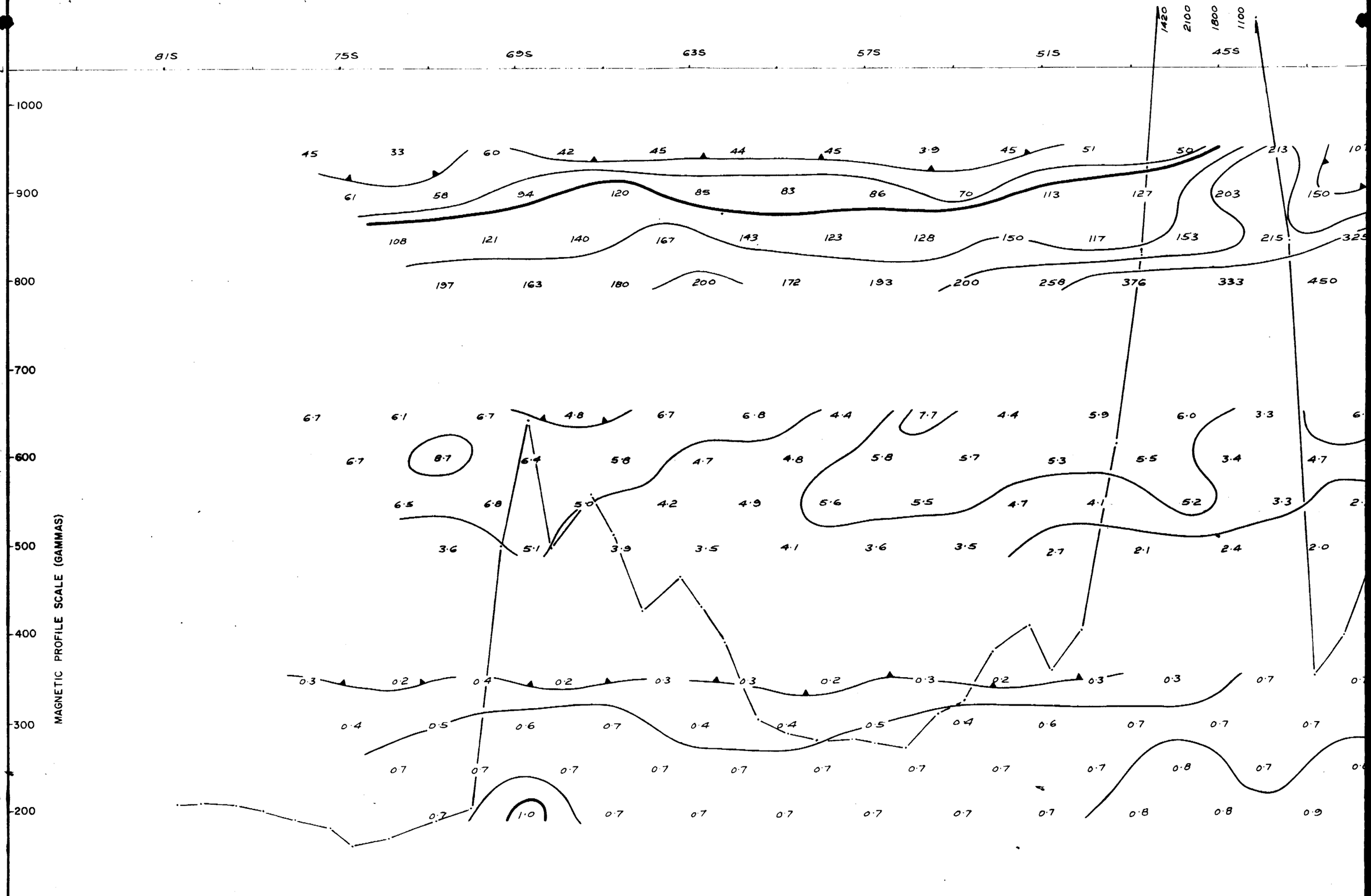

REGISTERED PROFESSIONAL ENGINEER
J. A. GREGOR
PROVINCE OF ONTARIO

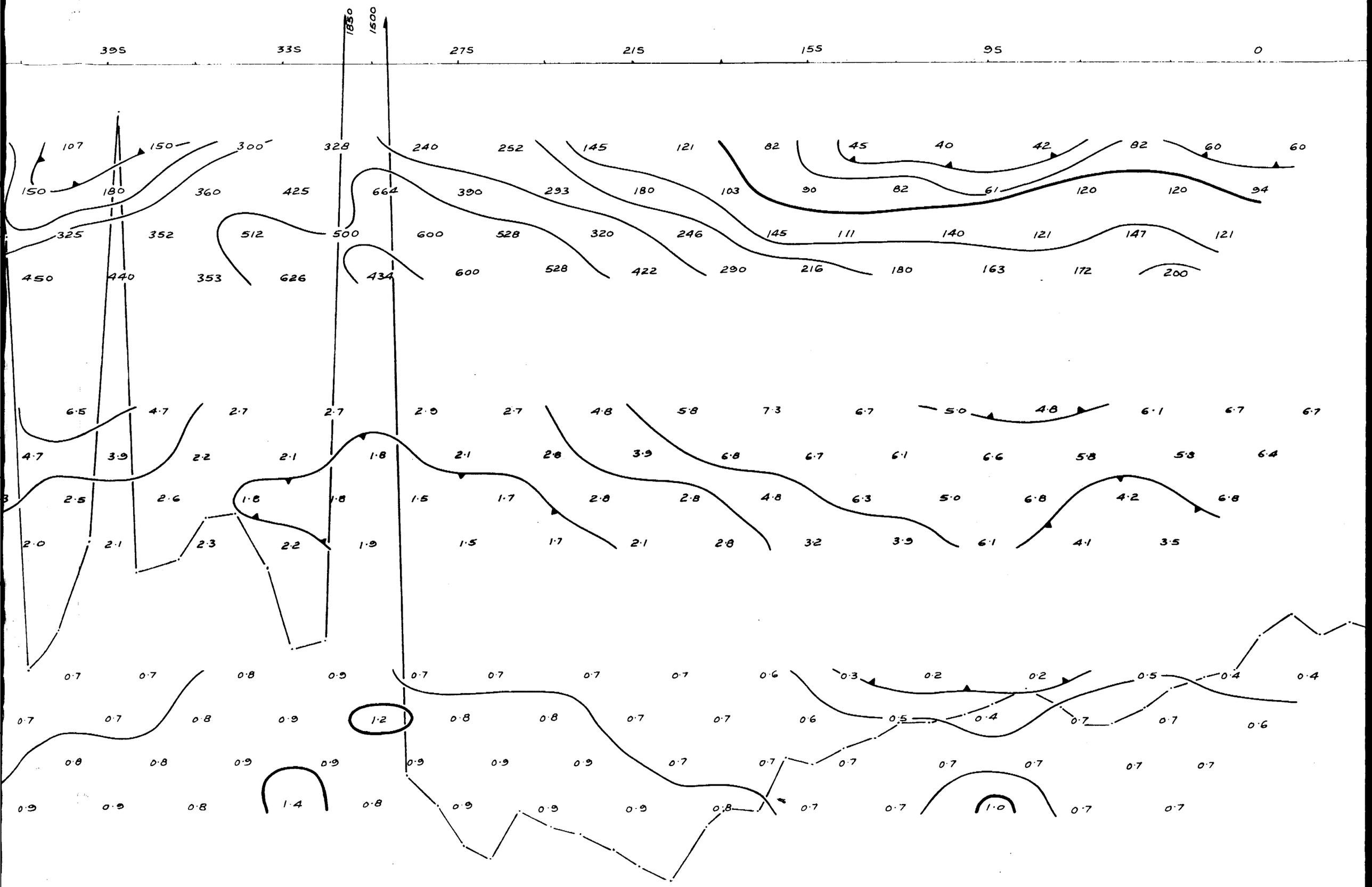
SCALE 1" = 300 feet, DATE July 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

2.2048

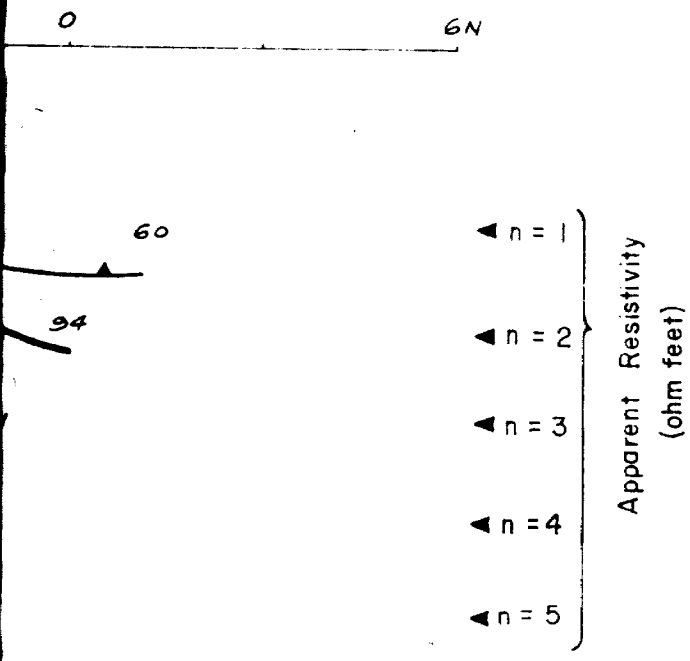
LINE Nº 12W


81S
75S
69S
63S
57S
51S
45S
1420
2100
1800
1100
1000
900
800
700
600
500
400
300
200
MAGNETIC PROFILE SCALE (GAMMAS)

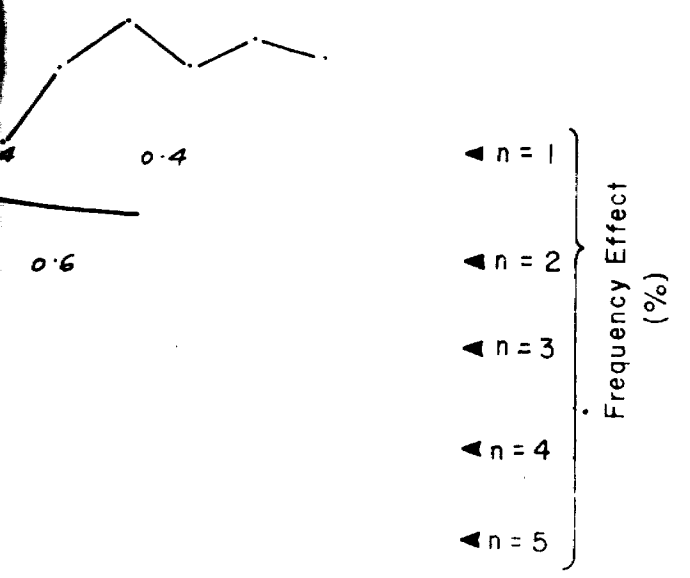

395
335
275
215
155
95
0
1850
1500

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

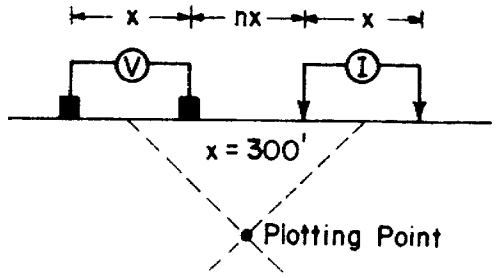
## LINE Nº 8W








ELECTRODE CONFIGURATION





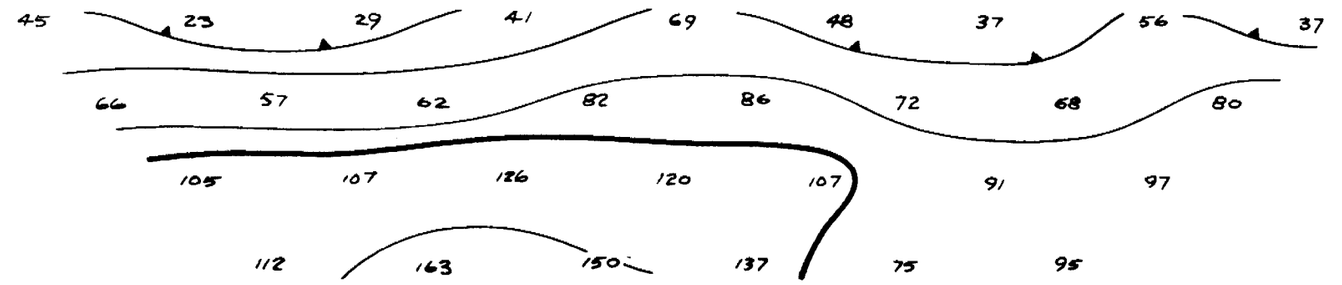
SCALE 1" = 300 feet, DATE July 1975

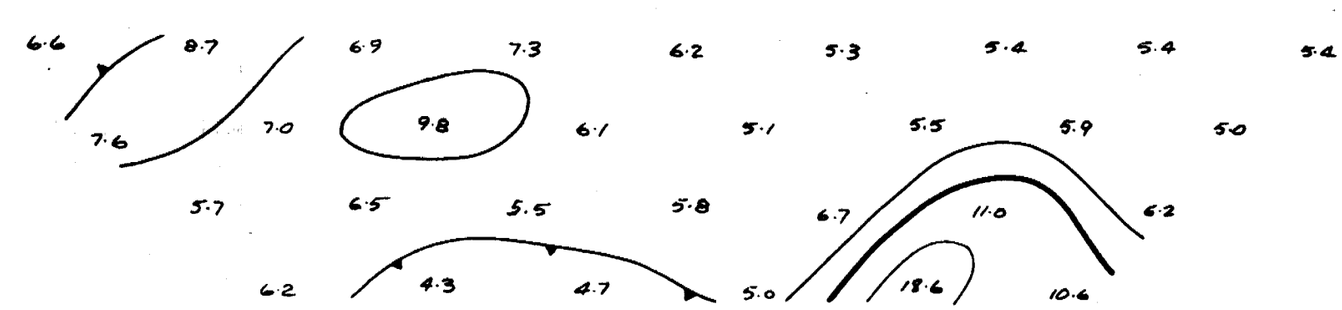
Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

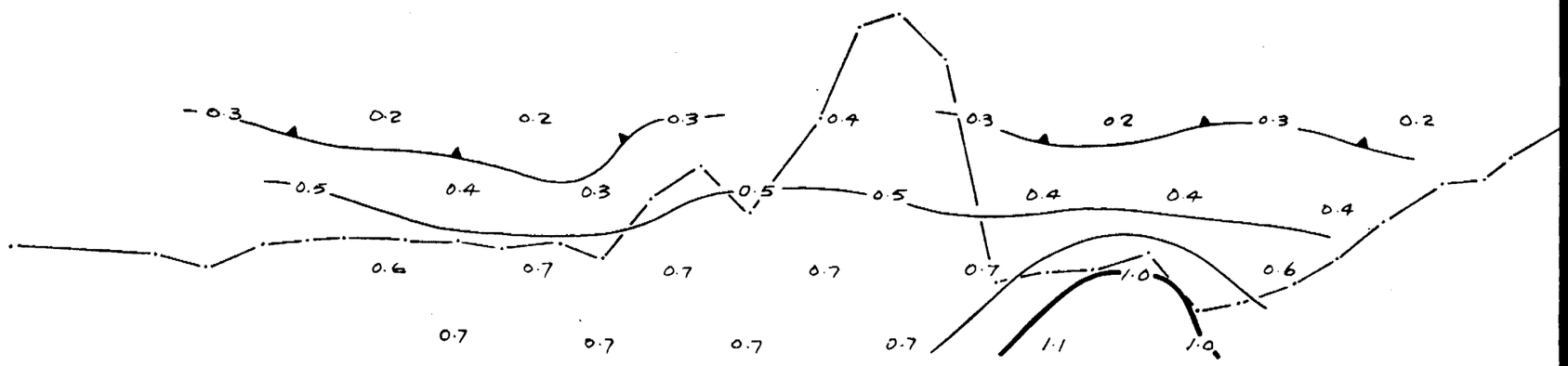
2.2048

LINE Nº 8W

54N 60N 66N 72N 78N




MAGNETIC PROFILE SCALE (GAMMAS)

500
400
300
200
100

84N

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

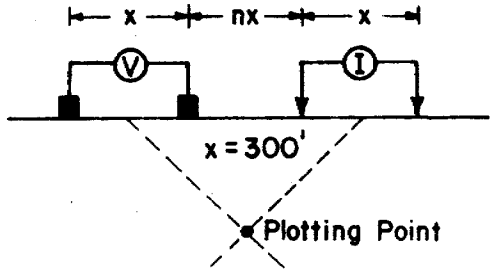
## LINE Nº 8W

Apparent Resistivity (ohm feet)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Metal Factor
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Frequency Effect (%)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

ELECTRODE CONFIGURATION




REGISTERED PROFESSIONAL ENGINEER
J. A. MACKINNON
PROVINCE OF ONTARIO

SCALE 1" = 300 feet, DATE August 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

2.2048

LINE Nº 8W

River

River

48N 54N 60N 66N 72N 78N

29 23 32 30 45 45 50 90 64 30 32

57 52 64 66 72 78 360 120 144 66

95 105 97 100 155 360 1050 1380 155

98 90 84 112 258 478 1270 900

6.9 8.7 6.3 6.6 6.6 6.6 4.0 5.5 3.1 6.6 6.3

7.0 7.7 6.2 7.6 5.6 7.7 1.9 5.8 4.9 7.5

6.3 5.7 5.2 6.0 4.5 1.9 1.1 1.1 6.4

6.1 6.7 7.1 6.2 2.7 1.7 0.9 1.6

MAGNETIC PROFILE SCALE (GAMMAS)

500

400

300

200

0.2 0.2 0.2 0.2 0.3 0.3 0.2 0.5 0.2 0.2 0.2

0.4 0.4 0.4 0.5 0.4 0.6 0.7 0.7 0.7 0.5

0.5 0.6 0.5 0.6 0.7 0.7 1.1 1.6 1.0

0.6 0.6 0.6 0.7 0.7 0.8 1.1 1.4

B4N

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

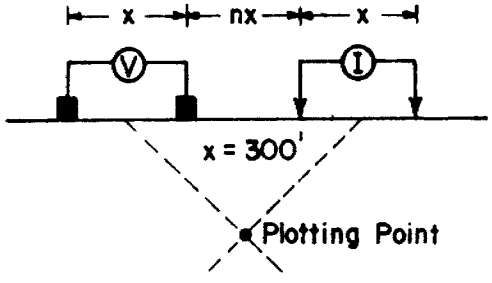
## LINE Nº 4W

Apparent Resistivity (ohm feet)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Metal Factor
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

Frequency Effect (%)
- n = 1
- n = 2
- n = 3
- n = 4
- n = 5

ELECTRODE CONFIGURATION




REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

SCALE 1" = 300 feet, DATE July 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

2.2048

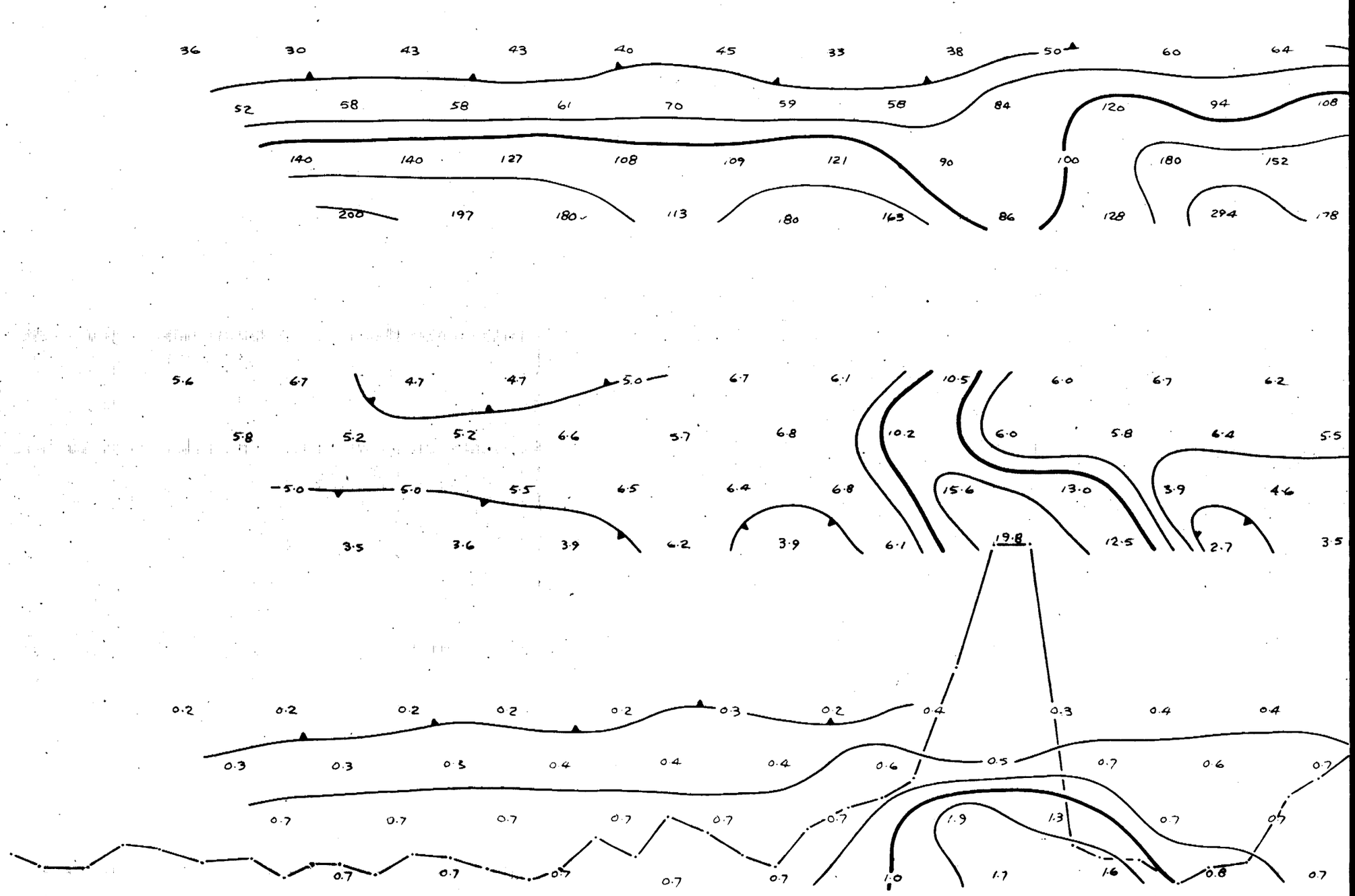
LINE Nº 4W

TWP. I

78S 72S 66S 60S 54S 48S

MAGNETIC PROFILE SCALE (GAMMAS)

1000 900 800 700 600 500 400 300 200



425 365 305 245 185 125 65 0

1525 1575 1650 1675 1750 1750 1600 1500

40 42 45 148 224 450 205 300 175 145 82 90 205 82 95 100

82 84 180 240 360 512 325 205 180 163 120 278 205 180 200

165 150 170 280 300 225 418 345 300 200 181 300 333 300 315

247 340 400 405 360 218 434 333 275 500 474 450 425 360

7.5 7.1 6.7 4.7 3.1 2.0 2.7 2.7 4.0 4.8 6.1 6.7 3.4 6.1 5.8 6.0

6.1 5.9 3.9 2.9 2.2 1.8 2.5 3.4 3.9 4.3 5.8 2.9 3.4 3.9 3.5

4.3 4.7 4.2 2.9 2.7 5.8 2.2 2.3 2.7 3.5 4.8 3.0 2.4 2.7 2.5

2.8 2.3 2.0 2.0 2.8 6.0 1.8 2.4 2.6 1.8 1.9 2.0 1.9 2.2

0.3 0.3 0.3 0.7 0.7 0.9 0.8 0.8 0.7 0.7 0.5 0.6 0.7 0.5 0.5 0.6

0.5 0.5 0.7 0.7 0.8 0.9 0.8 0.7 0.7 0.7 0.7 0.8 0.7 0.7 0.7

0.7 0.7 0.8 0.8 0.8 1.3 0.9 0.8 0.8 0.7 0.9 0.9 0.8 0.8 0.8

0.7 0.8 0.8 0.8 1.0 1.3 0.8 0.8 0.7 0.9 0.9 0.7 0.8 0.8

# INDUCED POLARIZATION AND RESISTIVITY SURVEY for THE ONTARIO PAPER CO. LTD. BOND TOWNSHIP ONTARIO

## LINE No. O

◄ n = 1
◄ n = 2
◄ n = 3
◄ n = 4
◄ n = 5

Apparent Resistivity (ohm feet)

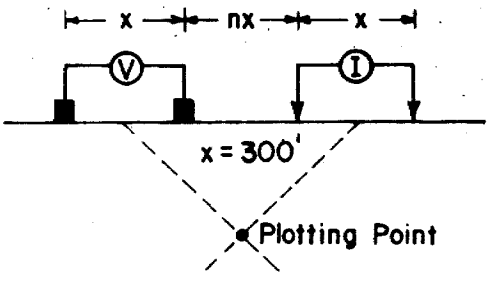
◄ n = 1
◄ n = 2
◄ n = 3
◄ n = 4
◄ n = 5

Metal Factor

◄ n = 1
◄ n = 2
◄ n = 3
◄ n = 4
◄ n = 5

Frequency Effect (%)

ELECTRODE CONFIGURATION



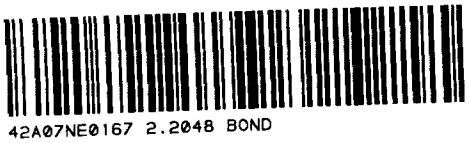


SCALE 1" = 300 feet, DATE July 1975

Contours at logarithmic multiples of 10, 15, 20, 30, 50, 75 & 100

2.2048

LINE No. O






900

Office of The Mining Recorder,
60 Wilson Avenue,
Timmins, Ontario, P4N 2S7,
June 8, 1976.



2.2048

Mr. F. W. Matthews,
Supervisor, Projects Section,
Mining Lands Branch,
Room 1617, Whitney Block,
Parliament Buildings,
TORONTO, Ontario, M7A 1X1.

Dear Sir:

RE: Mining Claims P.420284 et al:
Bond & Sheraton Townships.

The following is the information requested in your letter of May 28th - which I regret not having got a reply off to you sooner - but work has been such that we have had need of two heads, four hands and four feet!!!

P O Box 21
Toronto-Dominion Centre
Toronto, Ontario
M5K 1B3

The claims in question were all recorded in the name of Geomont Exploration Company Limited, Miner's License T.641, have no work recorded thereon and were therefore cancelled under Section 94-1(c) of The Mining Act, on May 5, 1976.

Dates of recording were April 11 and April 14, 1976.

The third group mentioned in your letter should be P.426555-60 inclusive.

Yours very truly,

Alyce E. Ross,
Acting Mining Recorder.

/aer

THESE 12 claims are 1200' E + 1800' South of ... RIGHT PLACES.

| | | | |
|---|---|---|---|
| NW¼ S½ LOT 3 CON I APRIL 9 7:00 PM 426776 | NE¼ S½ LOT 3 CON I APRIL 9 9:00 AM 426777 | NW¼ S½ LOT 2 CON I APRIL 9 11:00 AM 426778 | NE¼ S½ LOT 2 CON I APRIL 9 1:00 PM 426779 |
| ¼ S½ LOT CON I APRIL 10 [illegible] | SE¼ S½ LOT 3 CON I APRIL 9 7:00 AM [illegible] | SW¼ S½ LOT 2 CON I APRIL 9 [illegible] | SE¼ S½ LOT 2 CON I APRIL 9 [illegible] 6780 |
| NW¼ N½ LOT 3 CON 6 APRIL 10 11:00 AM 426784 | NE¼ N½ LOT 3 CON 6 APRIL 10 1:00 PM 426785 | | |
| SW¼ N½ LOT 3 CON 6 APRIL 10 5:00 PM 426787 | SE¼ N½ LOT 3 CON 6 APRIL 10 3:00 PM 426786 | | |

BOND

X

SHERATON

Posts not put in proper location

THESE claims are not recorded

| | |
|---|---|
| NW¼ S½ LOT 4 CON 6 APRIL 11 2:00 PM 426791 | NE¼ S½ LOT 4 APRIL 7:3 [illegible] 426 |
| SW¼ S½ LOT 4 CON 6 APRIL 11 12:00 NOON 426790 | SE¼ S½ LOT 4 APRIL 10:0 [illegible] 426 |

This group staked

H. BOND
M-19595

RECEIVED

FEB 19 1976

PROJECTS UNIT

ASSESSMENT WORK BREAKDOWN



1. Type of Survey Magnetometer Survey

2. Township or Area Bond and Sheraton Townships

3. Numbers of Mining Claims Traversed by Survey Bond - P 420318 - 19; 420284 - 91; 426355-60; 426691 - 700; 426726 - 732; 426756 - 63; 426776 - 83; Sheraton 426784 - 91.

4. Number of Miles of Line Cut See Geology Flown N/A

*5. Number of Stations Established 1560

*6. Make and type of Instrument Used M700 Fluxgate magnetometer

*7. Scale Constant or Sensitivity 208/Scale Division

*8. Frequency Used and Power Output N/A

9. Summary of Assessment Credits (details on reverse side)

Total 8 hour Technical Days (Include Consultants, Draughting etc.) 51.5

Total 8 hour Line-Cutting Days N/A

Calculation

51.5 (Technical) x 7 = 360.5 + ____ (Line-cutting) = 360.5 ÷ ~~57~~ 50 (Number of claims) = 7.2 (Assessment credits per claim)

The dates listed on this form represent working time spent entirely within the limits of the above listed claims [X] Check
If otherwise, please explain The amount contained within the freehold land was excluded.

Dated: January 26, 1976 Signed: Tom Gadsden

Note: (A) * Complete only if applicable.
(B) Complete list of names, addresses and dates on reverse side.
(C) Submit separate breakdown for each type of survey.
(D) Submit in duplicate.

I.P. mag & E.M. performed in 1969

# ASSESSMENT WORK BREAKDOWN

1. FIELD WORK

| Type of Work | Name & Address | Dates Worked | Number of 8 hour days |
|---|---|---|---|
| George Beier ) | | | 15 |
| John Hall ) | 21 Sandalwood Place | June 15-Sept. 15, 1975 | 15 |
| Henry Veldruyzen ) | Don Mills, Ontario | | 15 |
| | | | |
| | | | |
| | | | |

2. CONSULTANTS

| Name & Address | Dates Worked (specify in field or office) | Number of 8 hour days |
|---|---|---|
| Tom Gledhill | June 10, 1976 | 1 |
| 21 Sandalwood Place | | |
| Don Mills, Ontario | | |

3. DRAUGHTSMAN, TYPING, OTHERS (specify)

| Name & Address | Type of Work | Dates Worked | Number of 8 hour days |
|---|---|---|---|
| Rod Marcroft | Draughting | Nov. 1-Nov. 30/75 | 5.5 |
| 21 Sandalwood Place | | | |
| Don Mills, Ontario | | | |

TOTAL 8 HOUR TECHNICAL DAYS 51.5

4. LINE-CUTTING

| Name | Address | Dates Worked | Number of 8 hour days |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

TOTAL 8 HOUR LINE-CUTTING DAYS _____

RECEIVED

FEB 19 1976

PROJECTS UNIT

MINING RECORDS OFFICE - TORONTO

RECEIVED

FEB 19 1976

AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

# ASSESSMENT WORK BREAKDOWN

1. Type of Survey Induced Polarization Survey

2. Township or Area Bond and Sheraton Townships

3. Numbers of Mining Claims Traversed by Survey Bond - P420318-19; 420284-91; 426355-60; 426691-700; 426726-732; 426756-63; 426776-83; Sheraton 426784-91

4. Number of Miles of Line Cut See Geology Flown N/A

*5. Number of Stations Established 1560

*6. Make and type of Instrument Used McPhar I.P. 660

*7. Scale Constant or Sensitivity

*8. Frequency Used and Power Output .3 & 5g.s.

9. Summary of Assessment Credits (details on reverse side)

Total 8 hour Technical Days (Include Consultants, Draughting etc.) 140

Total 8 hour Line-Cutting Days

Calculation

$$\frac{140}{\text{Technical}} \times 7 = \frac{980}{} + \frac{}{\text{Line-cutting}} = \frac{980}{} \div \frac{57}{\text{Number of claims}} = \frac{~~17.2~~ \; 19.6}{\text{Assessment credits per claim}}$$

50

The dates listed on this form represent working time spent entirely within the limits of the above listed claims [X] Check

If otherwise, please explain

Freehold land excluded.

Dated: Jan. 26, 1976 Signed: T. Shadbolt

Note: (A) * Complete only if applicable.
(B) Complete list of names, addresses and dates on reverse side.
(C) Submit separate breakdown for each type of survey.
(D) Submit in duplicate.

# ASSESSMENT WORK BREAKDOWN

1. FIELD WORK

| Type of Work | Name & Address | Dates Worked | Number of 8 hour days |
|---|---|---|---|
| George Beier | ) | | 42 |
| John Hall | ) 21 Sandalwood Place | June 15 - Sept. 15/75 | 42 |
| Henry Veldhruyzen | ) Don Mills, Ontario | | 42 |
| | | | |
| | | | |
| | | | |
| | | | 126 |

2. CONSULTANTS

| Name & Address | Dates Worked (specify in field or office) | Number of 8 hour days |
|---|---|---|
| Tom Gledhill | June 15 - August 30, 1975 | 6 |
| 21 Sandalwood Place | January 11/76 | 1 |
| Don Mills, Ontario | | |

3. DRAUGHTSMAN, TYPING, OTHERS (specify)

| Name & Address | Type of Work | Dates Worked | Number of 8 hour days |
|---|---|---|---|
| Rod Marcroft | Draughting | Nov. 1 - Nov. 30, 1975 | 7 |
| 21 Sandalwood Place | | | |
| Don Mills, Ontario | | | |

TOTAL 8 HOUR TECHNICAL DAYS 140

4. LINE-CUTTING

| Name | Address | Dates Worked | Number of 8 hour days |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

TOTAL 8 HOUR LINE-CUTTING DAYS _____

# ASSESSMENT WORK BREAKDOWN

## 1. FIELD WORK

| Type of Work | Name & Address | Dates Worked | Number of 8 hour days |
|---|---|---|---|
| Mapping | J. A. McGregor, Suite 1506 | August 25-27 | |
| | 44 King St. W., Toronto M5H 1E8 | Sept. 6 - 18 | |
| Asst. Mapping | B. J. McGregor | Sept. 10 - 14 | |
| | 12 Wetherfield Place | | |
| | Don Mills, Ontario | Total 21 x 12 hour man days | 31.5 |

## 2. CONSULTANTS

| Name & Address | Dates Worked (specify in field or office) | Number of 8 hour days |
|---|---|---|
| J. A. McGregor | Office | Oct. 4, 5, 11, 14-17 | 7 |
| 1506, 44 King St. W. | | Nov. 1, 8, 15, Dec. 5 | 4 |
| Toronto, Ont. M5H 1E8 | | Jan. 15-16, 19-22 | 6 |

## 3. DRAUGHTSMAN, TYPING, OTHERS (specify)

| Name & Address | Type of Work | Dates Worked | Number of 8 hour days |
|---|---|---|---|
| E. Whittington | Typing Report | January 21 | 1 |
| 80 King St W | | | |
| Toronto | | | |

Included Freehold — TOTAL 8 HOUR TECHNICAL DAYS 49.5
Excludes Freehold — x 70% = 34.7

## 4. LINE-CUTTING

| Name | Address | Dates Worked | Number of 8 hour days |
|---|---|---|---|
| Ingamar Explorations Ltd. | | 2 man crew | |
| Connaught, Ontario | | May 1 to June 25 | |
| | | 76.5 x 12 hour man day = | 114.8 |
| | | (excludes freehold) | |

TOTAL 8 HOUR LINE-CUTTING DAYS _____

RECEIVED
FEB 19 1976
PROJECTS UNIT

ASSESSMENT WORK BREAKDOWN



1. Type of Survey Geological

2. Township or Area Bond and Sheraton Townships

3. Numbers of Mining Claims Traversed by Survey Bond 420318-19, 420284-91, 426555-560, 426691-700, 426726-32, 426756-763, 426776-783

Sheraton 426784-91.

4. Number of Miles of Line Cut 30.6 (excludes freehold land) Flown N/A

*5. Number of Stations Established

*6. Make and type of Instrument Used

*7. Scale Constant or Sensitivity

*8. Frequency Used and Power Output

9. Summary of Assessment Credits (details on reverse side)

Total 8 hour Technical Days (Include Consultants, Draughting etc.) 34.7

Total 8 hour Line-Cutting Days 114.8

Calculation

6.2 wit gp

| 34.65 | x 7 = | 242.6 | + | 114.8 | = | 357.4 | ÷ | 57 | = | 6.3 |
|---|---|---|---|---|---|---|---|---|---|---|
| Technical | | | | Line-cutting | | | | Number of claims | | Assessment credits per claim |

The dates listed on this form represent working time spent entirely within the limits of the above listed claims [X] Check
If otherwise, please explain Freehold land excluded

Dated: February 13, 1976 Signed:

Note: (A) * Complete only if applicable.
(B) Complete list of names, addresses and dates on reverse side.
(C) Submit separate breakdown for each type of survey.
(D) Submit in duplicate.

# BOND TOWNSHIP

ONTARIO

MINISTRY OF NATURAL RESOURCES

SURVEYS AND MAPPING BRANCH

PORCUPINE MINING DIVISION

DISTRICT OF COCHRANE

2.2048

M.331

N

DATE OF ISSUE
FEB 20 1976
SURVEYS AND MAPPING BRANCH

SCALE 40 CHAINS TO ONE INCH

STOCK TWP.

VI

V

IV

III

II

MACKLEM TWP.

CURRIE TWP.

Moose Lake

L.O. 4024

SHERATON TWP.

9 8 7 6 5 4 3 2 1

42A07NE0167 2.2048 BOND

200

LEGEND

IMPROVED ROADS .....

TRAILS .....

KETTLE LAKE .....

400' Surface rights reservation around all lakes & rivers.

PATENTED LANDS ..... (P)

CROWN LAND SALES ..... (S) or C.S.

LOCATED LANDS ..... Loc

LICENSE OF OCCUPATION .. L.O.

LEASES (L)

NOTE

# SHERATON TOWNSHIP

ONTARIO

MINISTRY OF NATURAL RESOURCES — PORCUPINE MINING DIVISION

SURVEYS AND MAPPING BRANCH

2.2048

M.386

DISTRICT OF COCHRANE

SCALE 40 CHAINS TO ONE INCH



BOND TWP.

N

VI

V

IV

III

II

I

THOMAS TWP.

EGAN TWP.

TIMMINS TWP.

DISTRICT BOUNDARY

12 11 10 9 8 7 6 5 4 3 2 1

Sheraton Lake

S.R.O.

M.R.O.

Gravel Pit 5521

Gr. Pit 1442

101089

400' Surface rights reservation around all lakes and rivers.

LEGEND

PATENTED LANDS ..... (P)

CROWN LAND SALES ..... (S)

IMPROVED ROADS ...

TRAILS



210

MOOSE LAKE

Crooked C.

Driftwood River

Little Driftwood River

Open Willow Swamp

Alder Swamp

Water Weeds

Spruce cedar alder swamp

Open spruce cedar balsam swamp

Spruce cedar swamp

Hill Sandy soil Spruce Poplar Birch

Hill Sandy soil Spruce Poplar Birch

Spruce Birch

Cedar, Spruce, alder swamp cut over

Hill - Sandy soil Spruce, birch

Cedar, spruce

Higher ground Sandy soil Poplar, birch, spruce

Spruce, Birch Light loam

Local dense spruce

Hill - Sandy soil Poplar, birch, spruce

Spruce, Pawbirch Light loam

Spruce clay-loam

Beaver Pond

Spruce, Cedar

Open Spruce Swamp

Spruce Cedar Swamp

Spruce Balsam Swamp

Dense Alder

Hill sandy soils spruce, poplar, birch

cedar, spruce

Spruce Swamp

Spruce Sandy loam soil

Spruce Swamp Cut over

Spruce cedar alder Swamp Cut over

Cedar, spruce alder Swamp Cut over

Spruce cedar Cut over

Spruce alder cut over

Hill sandy soil Poplar

Hill Sandy soil Poplar Birch

Old cabin

Old logging Camp

Old Camp

Cabin

Pond

Field

Poplar

Birch

Alder

Spruce

Clay hill

Silty clay

Clearing (small spruce)

Old Trail

Base lines

BL 80 N

BL N

BL O

52W 48W 44W 40W 36W 32W 28W 24W 20W 16W 12W 8W 4W 0

172W 168W 160W 152W 144W

128W 120W 112W 104W 100W 96W 88W 80W 72W 64W 56W 48W 40W 32W 24W 16W 8W 0

426736 426762 426761 426758 426699 426693 426732 426731 426763 426760 426759 426697 426694 426729 426730 426696 426695 426728 426727 426726 426560 426737 426699 426692 426700 426691 426756 426533 426556 426557 426558 426559 420319 420318 420297 420296 420285 420284 420288 420289 420290 420291 420315 420314 420162 420163 420169 420168

LEGEND

6 KEWEENAWAN gabbro, diabase

5 MATACHEWAN diabase

4 ALGOMAN (a) granite, (b) porphyry

3 KEEWATIN sedimentary rocks, (a) slate

2 acid volcanics, (a) lava, (b) tuff, (c) agglomerate

1. intermediate to basic volcanics, (a) lava, (b) gabbroic lava, (c) pillow lava, (f) tuff (g) agglomerate

Patent ground

Claim line, examined

Claim line, probable position

Claim post, examined

Vegetation change

I.P. Anomaly, definite and uncertain

Drill-hole and vertical depth of overburden

ONTARIO PAPER CO LTD

BOND TOWNSHIP JOINT VENTURE

NORTH SHEET

Scale: 1 inch = 400 feet

220

6 5 4 3 2 1

IV III II

Q. 20148

BOND
SHERATON

LAKE

Pond

N

MN

ov40 46,5

2a,1F,1 3a ov145

1,2 3a 4b 1F ov90

2,1 4b 3a 4b 3a 3a 1F 1F ov118 ov115

1 3a 4b 1F ov85 ov100

1 3a 1F ov95

Cp Sph Gal

Driftwood R

Alder swamp

VI

Spruce

104W 96W 88W 80W 72W 64W 56W BASE LINE 1105

Hillock - sandy soil spruce, birch

Alder Swamp

Open Willow Swamp

1205 1305

Pond

LAKE

Alder Swamp

Spruce Swamp

Old cut over spruce, cedar alder swamp

Cedar spruce Swamp

Poplar Birch Sandy loam

Sandy loam

Birch spruce

Poplar

Birch poplar

Yellow Gravels and Sand Terraces

Small dykes etc as trend to follow foliation

OUTCROP HILL

redpine 1F

spruce cedar

426791 426790 426789 426788

Open Swamp

Cedar Alder Swamp

Pond

swamp

Pond

LAKE

214110

214116

old cabins clearing

ov60

Hill - Sandy soil poplar

Hill - Sandy soil poplar spruce

Birch spruce

alder

dense Spruce

Pond

Cedar spruce swamp

alder

cedar spruce swamp

cut over

poplar spruce

alder

spruce alder

spruce alder swamp

clay hill

PY 1

1,1b

spruce alder swampy

spruce alder swamp

cedar alder swamp

spruce swamp

4

poplar birch

minor PY

2

spruce

alder

spruce alder swamp

open swamp

poplar spruce

426776 426777 426778 426779

loam soils

poplar birch

Birch poplar

46 cwds 1F

40W 32W 24W 16W 8W OTIE LINE 765

1b ov100

3

poplar

426783 426782 426781 426780

Ponds

alder

Ponds

poplar spruce

426784 426785

alder

poplar Hill - loam soil

426787 426786

LAKE

3

Poplar Birch Sandy loam

Cedar Spruce Swamp

4

Small dykes etc as trend to follow foliation

OUTCROP HILL

Old cut over spruce, cedar alder swamp

426790 426789

5

230

42A07NE0167 2 2048 BOND

**ONTARIO PAPER CO LTD**
**BOND TOWNSHIP JOINT VENTURE**
**SOUTH SHEET**

**Scale: 1 inch = 400 feet**

2 2048