REPORT ON GEOLOGICAL AND RADIOMETRIC SURVEY ON MONMOUTH PROSPECT CLAIMS

CLAIMS: E.O. 335122 to 335127 incl.
E.O. 347396 to 347402 incl.
E.O. 401975 to 401990 incl.

by

J. FARSTAD
IMPERIAL OIL LIMITED
JANUARY 13, 1975

INTRODUCTION

In 1972 and 1974 Imperial Oil Limited acquired 29 mining claims in the Tory Hill, Gooderham area of south eastern Ontario. During the summer and fall of 1974 geological mapping was done on the entire claim group and a radiometric survey was done on 16 of the claims. This report outlines the results of these surveys. The claims are as follows:

Claims:	E.O. 335122 to 335127 incl. E.O. 347396 to 347400 incl. E.O. 401875 to 401990 incl.
Location:	Monmouth Township
Recorded Holder:	Reginald S. Brooks

and

Claims:	E.O. 347401 and 347402
Location:	Glamorgan Township
Recorded Holder:	W.W. Kennedy

LOCATION AND ACCESS

The claims comprise lots 7 to 13 inclusive, and lot 15 of concession X, lot 10 of concession IX, and lots 7, 8, 9 (excluding a 300 foot strip along the east boundary), 10 (N½), and 11 of concession VIII of Monmouth Township, and lot 20 of concession IV of Glamorgan Township, Haliburton County.

The claims in Monmouth Township are easily accessible from Tory Hill by Highway 503, various secondary roads and an abandoned railway as shown in Figure 1. The claims in Glamorgan Township are accessible by Highway 507 and the Tamarack Lake Road from Gooderham as shown in Figure 2.

REGIONAL GEOLOGY

The claims are located along the south east flank of the Glamorgan Granite Gneiss Complex near its easternmost extension, and are underlain by rocks of the Grenville Supergroup. The regional trend of the rocks is northeast with a moderate dip to the southeast. For more detail one should refer to map No. 2174 of Monmouth Township, published by the Ontario Ministry of Natural Resources.

There is one known occurrence of radioactive mineralization on the claim group and one along the regional trend to the south-west in Monmouth Township. Both occurrences are associated with lime silicate rocks within the paragneisses of the Grenville Supergroup.

GEOLOGICAL MAPPING

The mapping of the claims in concession VIII and IX of Monmouth Township was done during the period from July 1 to July 21, 1974, using airphotos and previously cut base lines for control. The results of this survey are presented in Figures

3 and 4. The claims in concession X of Monmouth Township were surveyed over the period from September 15 to November 10, 1974, using flagged lines established during a contemporaneous radiometric survey. The results are presented in Figures 5, 6 and 7. The claims in concession IV of Glamorgan Township were mapped in the first week of November, 1974. The results are shown in Figure 8.

The northwestern section of the area in Monmouth Township is underlain predominantly by quartzite with some quartzo-feldspathic paragneiss and amphibolite. Lenses of granitic and syenitic pegmatite are present and isolated lenses and two relatively continuous bands of marble and lime silicate rocks exist. The northernmost band extends from the southwest corner of the north half of lot 7 to the northeast corner of lot 10. It is narrow and consists primarily of lime silicates. There is little pure marble. The next south continuous band extends from the southeast corner of lot 8 under the swamp to the west of the large pond in concession X where it widens and continues on to the northeast. Quartzo-feldspathic paragneiss is more abundant in the far northwest and amphibolite in the southeast.

The southeastern section in Monmouth Township is underlain by crystalline near pure marble and large irregular bodies of equigranular granite. This granite has pegmatite phases. In the far southeast, syenite and nepheline syenite lenticular gneisses are the major rock type.

The claims in Glamorgan Township are underlain by gently dipping phlogopite marble and lenticular syenite gneisses.

The regional trend of northeast is maintained throughout most of the area. In the west of the north group of claims, the trend is just slightly east of north. Moderate dips are maintained over the area.

The oldest rocks are the paragneisses, quartzites, amphibolites and marbles of the area. They are the metamorphic equivalents of rocks of massive transgression. During metamorphism the granitic and syenitic rocks were inplaced as a result of partial melting.

X

See letter 16/1/1975

RADIOMETRIC SURVEY

A radiometric survey using a hip mounted McPhar TV-1 scintillometer (instrument principles are described in the appendix) measuring total radiation was carried out on the 16 claims in concession X (claims E.O. 401975 to 401990 inclusive) over the period from September 15 to November 10, 1974. Cut and chained base lines were established for control and line spacing was 200 feet with a station interval of 50 feet. All stations were flagged and numbered. Approximately 33 line miles of survey was done.

The survey showed several anomalous zones associated with pegmatite and skarn outcrops as shown on maps Fig. 9, 10 and 11.

RECOMMENDATIONS

Areas of anomalous radioactivity underlain by pegmatite and marble should be further prospected.

John Farstad

John Farstad

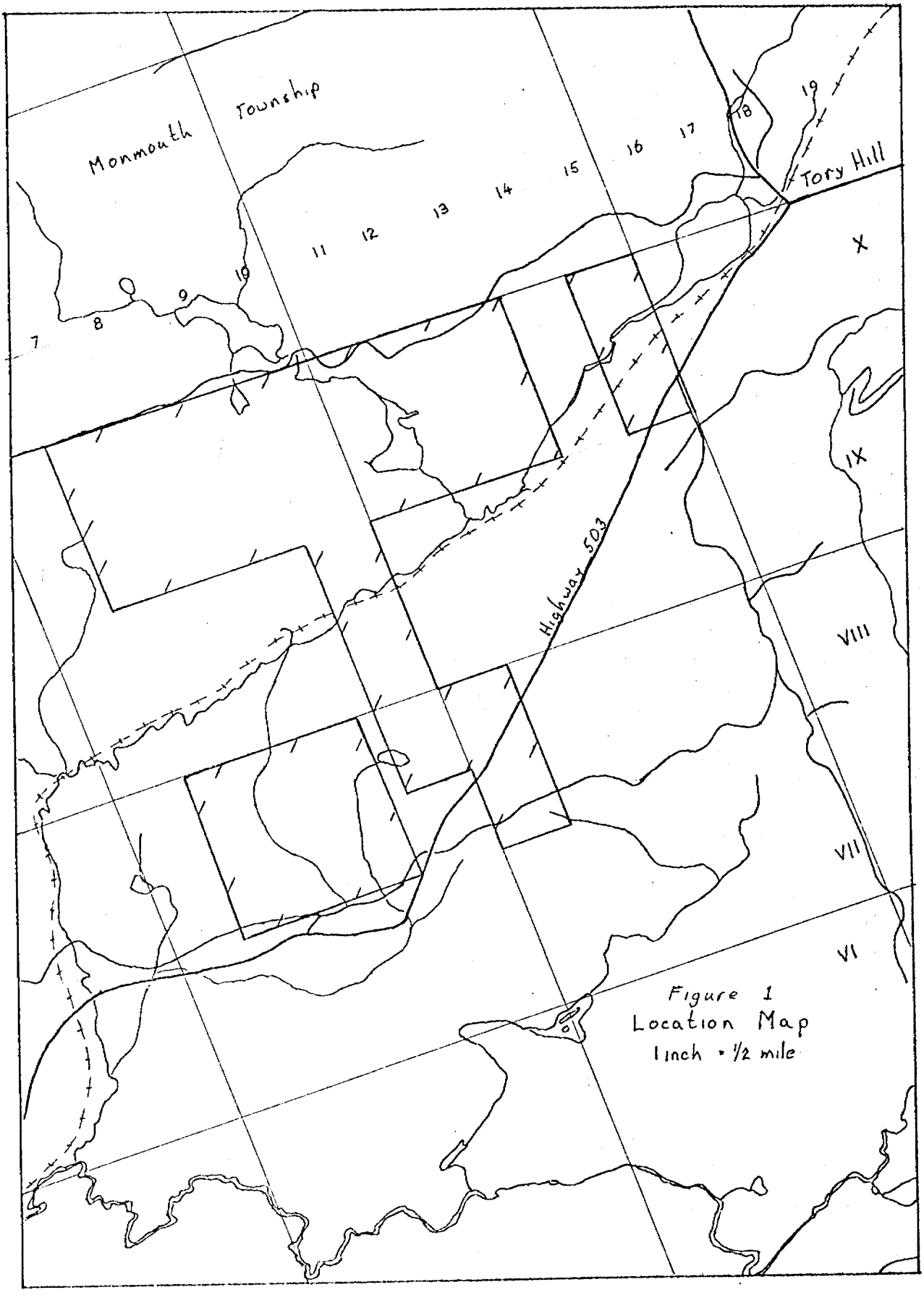


Figure 1
Location Map
1 inch = 1/2 mile

APPENDIX

GENERAL DESCRIPTION AND APPLICATIONS OF THE McPHAR MODEL TV-1 GAMMA RAY SPECTROMETER

The gamma ray detecting principle lies in the sodium iodide crystal. Gamma rays entering the crystal, interact with the crystal atoms, resulting in free electrons and light emission. The optically coupled photo-multiplier converts the light emission to electrical pulses. The magnitudes of the electrical pulses bear a relationship to the energy levels of the intercepted gamma rays.

Various radioactive elements have characteristic gamma energy spectrums. The nature of the spectrum for a given element can be used to advantage in identifying it in the presence of other radioactive elements. Fig. 2 shows spectral curves for the three main elements of interest in radioactive surveys; potassium, uranium and thorium.

Thorium emits gamma rays with energy levels exceeding 2.5 Mev. The highest energy radiation from potassium is about 1.6 Mev. The three vertical lines marked T1,T2 and T3 show the location of the threshold settings of the TV-1 spectrometer after the instrument has been calibrated. Threshold T3 at 2.5 Mev. allows only those electrical pulses to be registered whose amplitudes correspond to gamma rays with energy levels above 2.5 Mev. T2 similarly responds to gamma energy levels above 1.6 Mev. When both thorium and uranium are present during a measurement, then the reading at T2 contains

counts resulting from both elements whereas T3 contains counts from thorium only.

It is possible then, to subtract the count in the T2 reading, leaving the count from uranium only. The count representing thorium in the T2 reading is a fixed multiple of the T3 reading. In the TV-1 spectrometer, this multiple is 3.5. That is, the count in T2 due to uranium is T2 - 3.5T3. A thorium calibrating source and calibration procedure, provided with the instrument, ensures that this is always the case.

RTG:rn

File 2.1688

RECEIVED
JAN 13 1975
PROJECTS UNIT

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey: GEOLOGICAL

Township or Area: MONMOUTH & CHAMBERLAIN

Claim holder(s): R. S. Brooks
FOR IMPERIAL OIL LIMITED

Author of Report: ZIA HASAN

Address: 111 ST CLAIR AVE W, TORONTO

Covering Dates of Survey: July 1 to July 21, 1974
(linecutting to office)

Total Miles of Line cut: 27.0

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

DAYS per claim

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

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

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

DATE: Nov 14/74 SIGNATURE: Z Hasan
Author of Report or Agent

PROJECTS SECTION

Res. Geol. ____ Qualifications on this file

Previous Surveys 2.1308 Radio & Linecutting

Checked by ____ date ____

GEOLOGICAL BRANCH

Approved by LD date ____

GEOLOGICAL BRANCH

Approved by ____ date ____

OFFICE USE ONLY

MINING CLAIMS TRAVERSED
List numerically

E.V. 335122 – 335127 incl.
(prefix) (number)
E.C. 347391 – 347402 incl.
7

E.C. 347396

Staked - 11 Oct. 1972
Recorded - 3 Nov. 1972
Examined 13 Nov 1974

OJ

TOTAL CLAIMS 13

If space insufficient, attach list

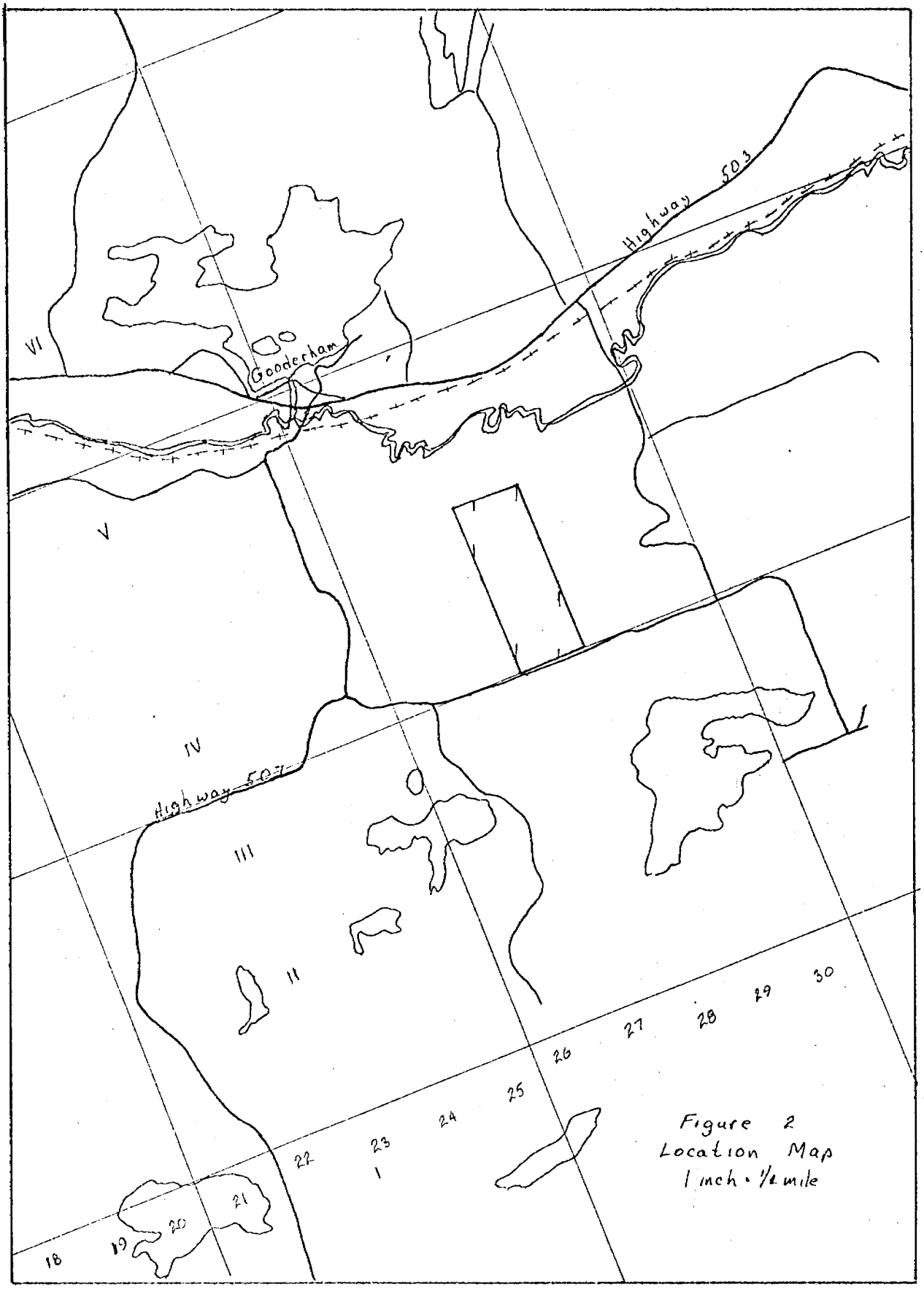
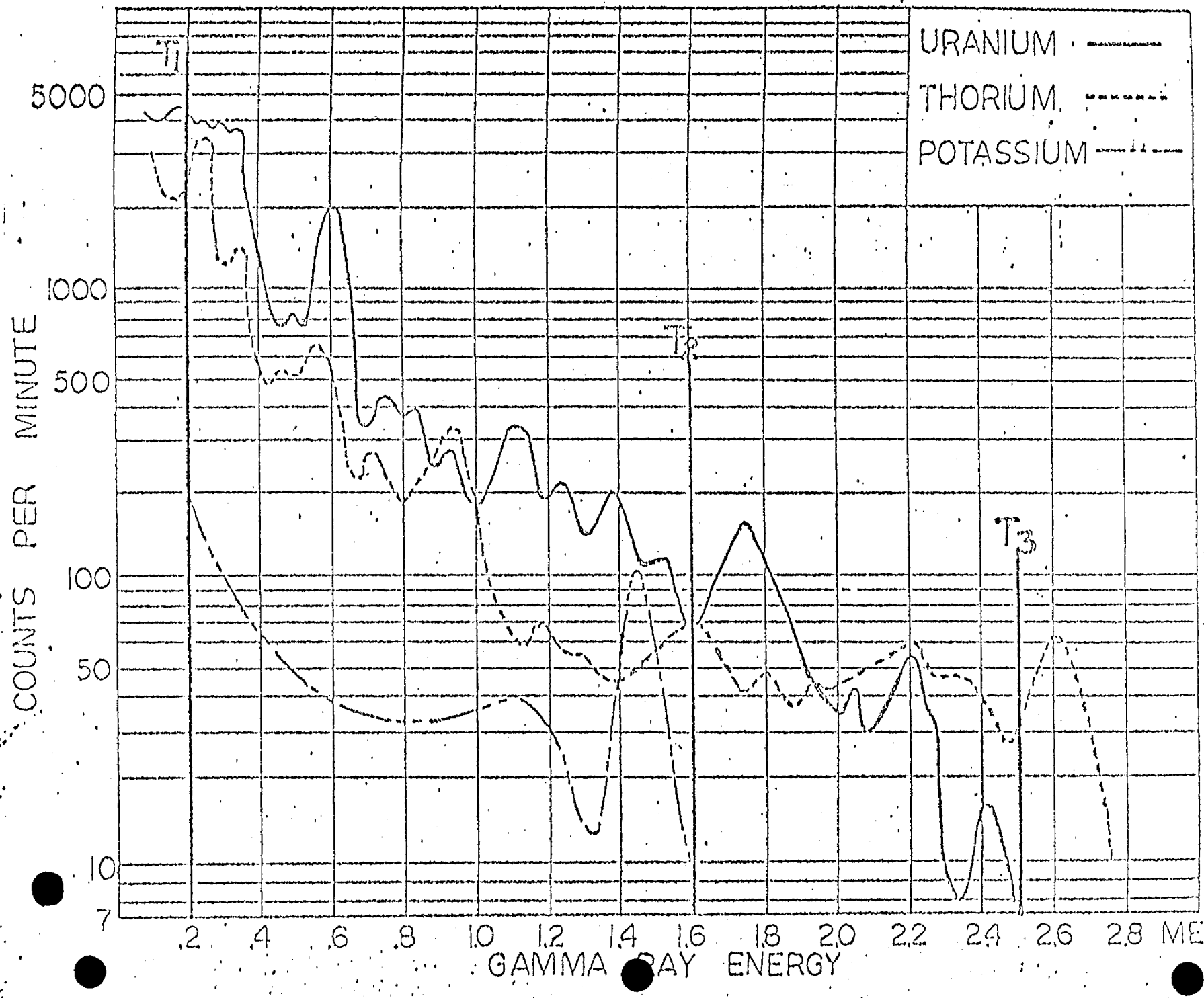


Figure 2
Location Map
1 inch = ½ mile


URANIUM
THORIUM
POTASSIUM
T1
T2
T3
5000
1000
500
100
50
10
7
COUNTS PER MINUTE
.2
.4
.6
.8
1.0
1.2
1.4
1.6
1.8
2.0
2.2
2.4
2.6
2.8 MEV.
GAMMA RAY ENERGY

ED

File 2.1688

1975

900

PROJECTS UNIT

MINING RECORDERS OFFICE—TORONTO
RECEIVED
JAN 13 1975
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

TECHNICAL DATA

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey Geological and Radiometric

Township or Area Monmouth Township

Claim holder(s) W.W. Kennedy
Haliburton, Ontario

Author of Report ~~John H.M. Farstad~~

Address Peterborough, Ontario

Covering Dates of Survey Sept. 15 to Nov. 10, 1974
(linecutting to office)

Total Miles of Line cut 33 miles

SPECIAL PROVISIONS CREDITS REQUESTED		DAYS per claim
ENTER 40 days (includes line cutting) for first survey.	Geophysical	
	--Electromagnetic	
	--Magnetometer	
	--Radiometric	40
ENTER 20 days for each additional survey using same grid.	--Other	
	Geological	20
	Geochemical	

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

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

DATE: Jan. 13, 1975 SIGNATURE: John Farstad
Author of Report or Agent

PROJECTS SECTION

Res. Geol. ____ Qualifications ____

Previous Surveys Nil

Checked by ____ date ____

GEOLOGICAL BRANCH

Approved by ____ date ____

GEOLOGICAL BRANCH

Approved by ____ date ____

MINING RECORDER'S OFFICE
RECORDED
JAN 13 1975
TORONTO
RECEIPT

OFFICE USE ONLY

MINING CLAIMS TRAVERSED
List numerically

Rad

	(prefix)	(number)	
X	E.O.	401975	1/3 not covered
X	E.O.	401976	1/3
	E.O.	401977	1/4
	E.O.	401978	
	E.O.	401979	
	E.O.	401980	1/4
X	E.O.	401981	1/3
	E.O.	401982	1/4
	E.O.	401983	
	E.O.	401984	
	E.O.	401985	
	E.O.	401986	
	E.O.	401987	
	E.O.	401988	
	E.O.	401989	
	E.O.	401990	

Radiometric
(X) marked claims
30 days each / others
40 days.

TOTAL CLAIMS 16

If space insufficient, attach list

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

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS

Number of Stations _____ Number of Readings _____

Station interval 50 feet

Line spacing 200 feet

Profile scale or Contour intervals _____

(specify for each type of survey)

MAGNETIC

Instrument _____

Accuracy - Scale constant _____

Diurnal correction method _____

Base station location _____

_____

ELECTROMAGNETIC

Instrument _____

Coil configuration _____

Coil separation _____

Accuracy _____

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

Frequency _____

(specify V.L.F. station)

Parameters measured _____

GRAVITY

Instrument _____

Scale constant _____

Corrections made _____

_____

Base station value and location _____

_____

Elevation accuracy _____

INDUCED POLARIZATION -- RESISTIVITY

Instrument _____

Time domain _____ Frequency domain _____

Frequency _____ Range _____

Power _____

Electrode array _____

Electrode spacing _____

Type of electrode _____

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

_____

Corrections made _____

_____

RADIOMETRIC

Instrument McPhar TV-1

Values measured gamma radiation in time c.p.m.

Energy windows (levels) total gamma energy spectrum

Height of instrument 3 feet Background Count 2000 c.p.m.

Size of detector 1¼ x 1 inch

Overburden glacial thickness 0 to 30 feet

(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

_____

Additional information (for understanding results) _____

_____

_____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____

(specify for each type of survey)

Accuracy _____

(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

_____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken_____

_____

_____

Total Number of Samples_____

Type of Sample_____
(Nature of Material)

Average Sample Weight_____

Method of Collection_____

_____

Soil Horizon Sampled_____

Horizon Development_____

Sample Depth_____

Terrain_____

_____

Drainage Development_____

Estimated Range of Overburden Thickness_____

_____

_____

SAMPLE PREPARATION
(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis_____

_____

_____

_____

General_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

ANALYTICAL METHODS

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

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

Others_____

Field Analysis (_____tests)

Extraction Method_____

Analytical Method_____

Reagents Used_____

Field Laboratory Analysis

No. (_____tests)

Extraction Method_____

Analytical Method_____

Reagents Used_____

Commercial Laboratory (_____tests)

Name of Laboratory_____

Extraction Method_____

Analytical Method_____

Reagents Used_____

General_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

2.1688

IMPERIAL OIL LIMITED

Business Development
J. D. Harvie, Coordinator

111 St. Clair Avenue West, Toronto, Canada M5W 1K3

January 16, 1975

File Ontario 19

Mr. J.R. McGinn
Director, Lands Administration Branch
Ministry of Natural Resources
Whitney Block, Room 1617
Queen's Park
Toronto, Ontario
M7A 1X1

Re: Claims E.O. 335122 et al,
Monmouth Twp., Ontario

Dear Sir:

Two copies of a geological and radiometric survey report on the above claims was submitted to your office on January 13, 1975. There is an error on page 4 line 9 of the report. Enclosed are corrected copies of page 4 which should be substituted in the report.

Yours very truly,

Zia Hasan

ZH/im
Encl.

Dysart Twp.(M.86)

Dudley Twp. (M.84)

Snowdon Twp.(M.153)

Monmouth Twp.(M.164)

Galway Twp. (M.94)

Cavendish Twp.(M.72)

Anstruther Twp.(M.45)

WITHDRAWN FROM STAKING SEC 39 (d) OF THE MINING ACT FILE 122888.

THE TOWNSHIP OF 2.1688

GLAMORGAN

COUNTY OF HALIBURTON

EASTERN ONTARIO MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

PATENTED LAND	Ⓟ
CROWN LAND SALE	C.S.
LEASES	Ⓛ
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	
IMPROVED ROADS	
KINGS HIGHWAYS	11
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	
MINES	
CANCELLED	
TRAILS	

NOTES

This Map Is Not To Be Used FOR SURVEY PURPOSES

Lot And Concession Lines Shown Hereon Are Projected From The Best Information Available, But Their True Position Is Not Guaranteed. For Official Survey Purposes Consult The Original Survey Plans And Field Notes Of Records In The Dept Of Lands & Forests.

400' Surface Rights Reservation Around All Lakes And Rivers.

The Ac ages Shown Are The Amounts That Were Patented And Do Not Necessarily Represent The True Surveyed Area Of The Parcel.

Flooded Lands Shown Thus

For Status Of Summer Resort Locations Shown Thus: Please Contact Dept. Of Lands & Forests.

Areas withdrawn from staking under Section 43 of the Mining Act. (R.S.O. 1970)

File	Date	Disposition
(43)	Oct. 71	S.R.O.

- MINING LANDS -
DATE OF ISSUE
JAN 15 1976
MINISTRY OF NATURAL RESOURCES

PLAN NO.-M.95

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

Dudley Twp. M.84

Glamorgan Twp. M.95

Cardiff Twp. M.69

struther Twp. M.45

THE TOWNSHIP
OF 2.1688
MONMOUTH
COUNTY OF
HALIBURTON

EASTERN ONTARIO
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

PATENTED LAND	(P)
CROWN LAND SALE	C.S.
LEASES	(L)
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	
IMPROVED ROADS	
KINGS HIGHWAYS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	
MINES	

NOTES

This Map Is Not To Be Used
—FOR SURVEY PURPOSES—

400' Surface rights reservation along the shores of all lakes and rivers.

Original shoreline shown thus:

F.R.I. shoreline shown thus:

Patents Map shoreline shown thus:

For status of summer resort locations shown thus

Please contact Ministry of Natural Resources.

- MINING LANDS -
DATE OF ISSUE
JAN 15 1975
MINISTRY
OF NATURAL RESOURCES

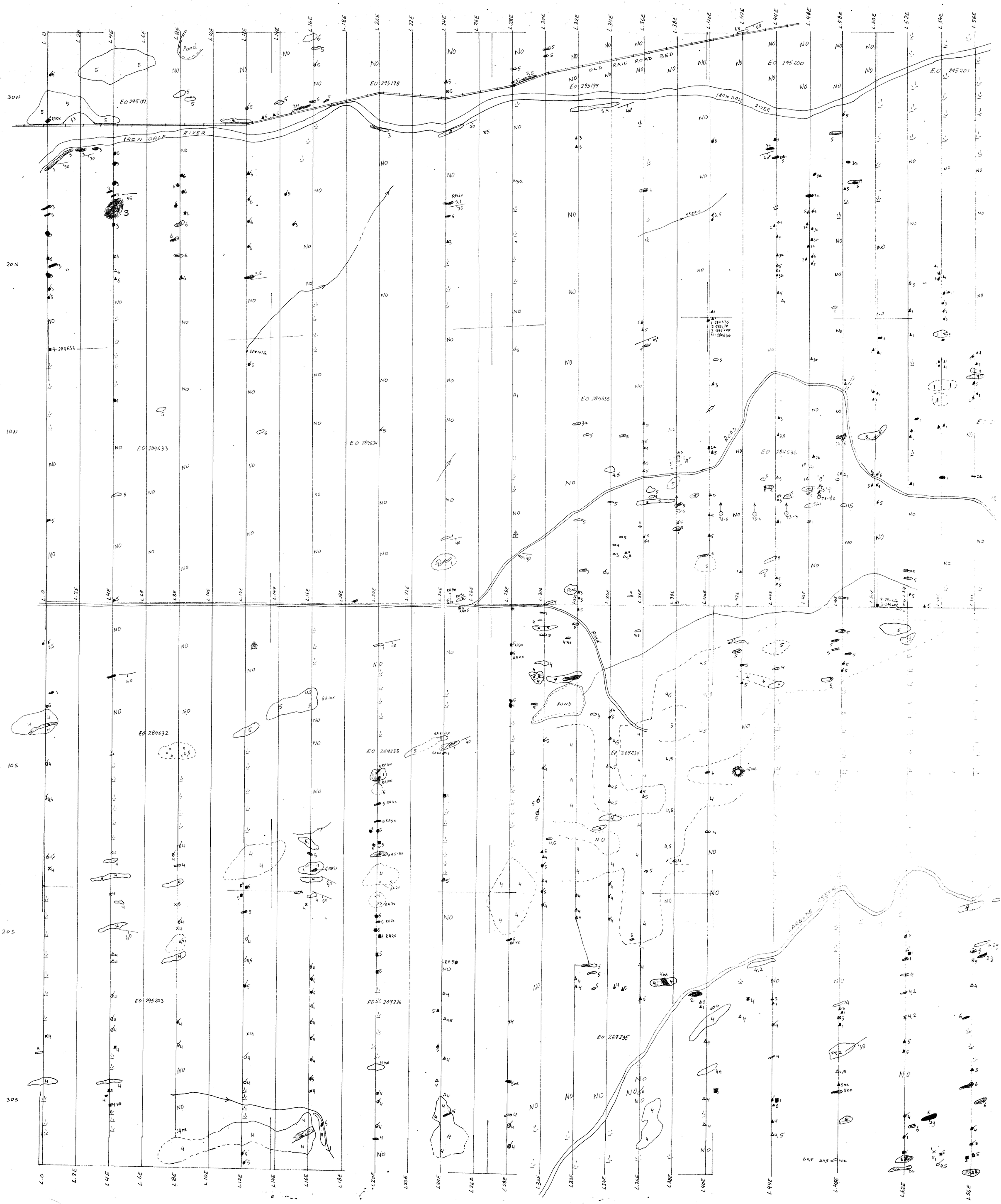
PLAN NO.-M.164

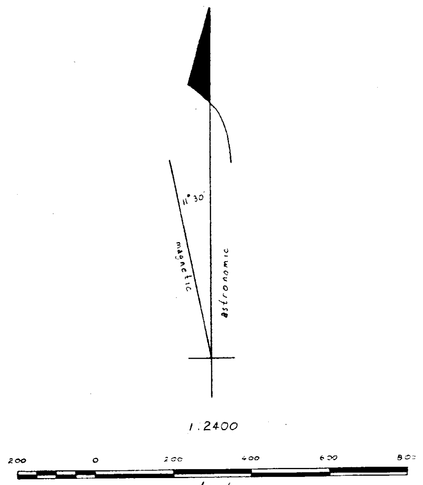
ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

× Geological
– Radiometric

31D15NW0027 2.1688 GLAMORGAN

J.P. von K.





Dredged Pond

Toby Hill 3 miles

Baseline 0+00

Bryans Road

Highway 503

Gooderham 3 miles

Concession VIII

RA 2-3 x bkrd

RA 5-7 x bkrd

RA 10 x bkrd

RA 5-7 x bkrd

RA 2-3 x bkrd

RA 2-3 x bkrd

RA 5-7 x bkrd

RA 5 x bkrd

Quarry stone

LEGEND

5	Granitic Rocks	a granitic pegmatite b m.g. leucocratic granite
4	Syenitic Rocks	a syenitic pegmatite b hbld. syenitic lenticular gneiss
3	Nepheline-bearing Rocks	a hbld nepheline lenticular gneiss b c.g. massive hbld. nepheline rock
2	Paragnesses	a iron formation b quartzite c quartzo-feldspathic paragneiss d amphibolite
1.	Marbles	a phlogopite b graphite c tremolite d siliceous

SYMBOLS

- roads, paved, gravelled, abandoned
- transmission line
- building
- streams
- marshes and low wet ground
- bodies of water
- lot and concession lines
- claim line and post
- picket line
- traverse line
- outcrop
- banding and foliation
- geological contact approximate
- pits and quarries
- RA 2-3 x bkrd anomalous radioactivity, x background

Figure 3

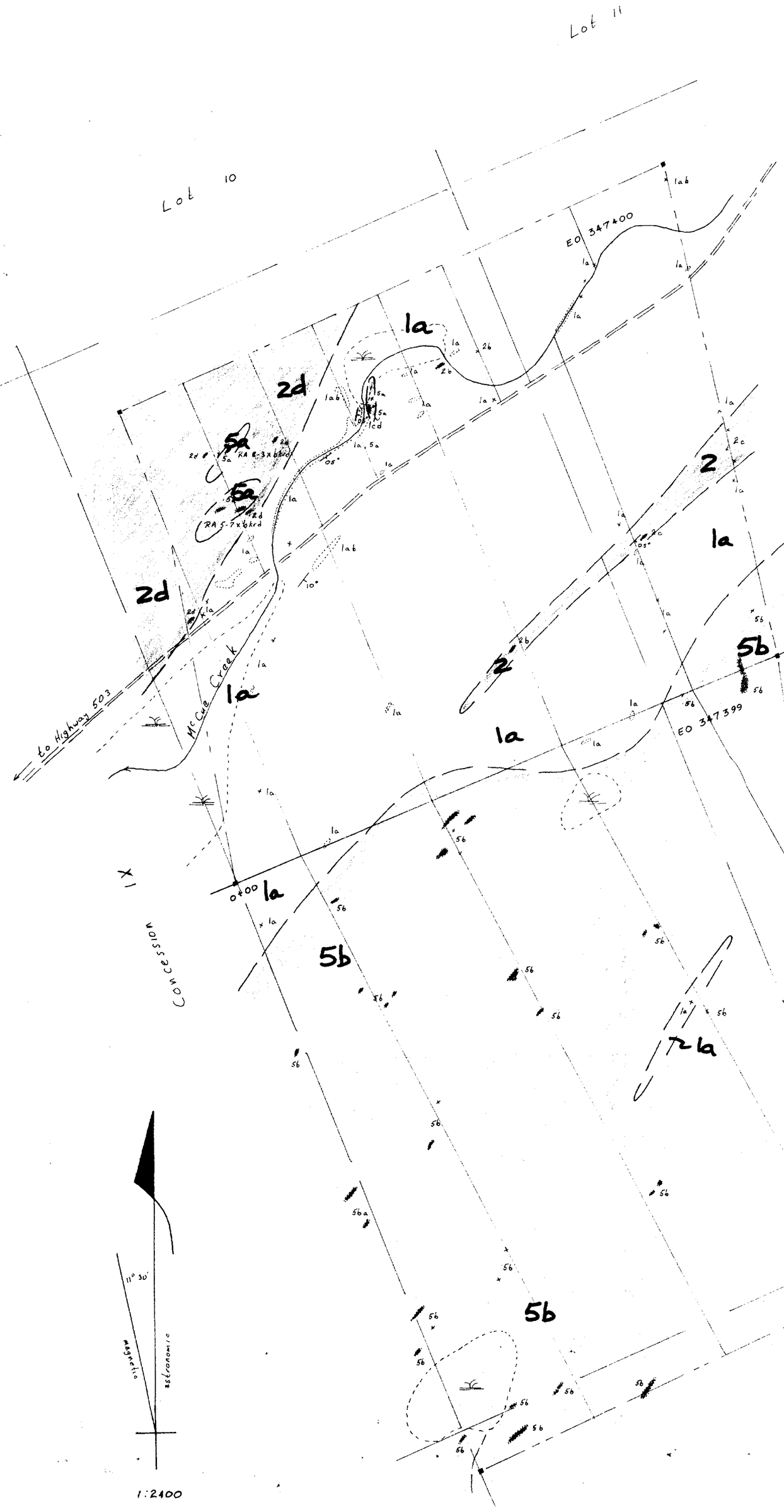
IMPERIAL OIL LIMITED

MONMOUTH PROSPECT

Con. VIII Lots 7, 8, 9, 10 N½, & 11
Monmouth Township Haliburton County

GEOLOGY
1 inch = 200 feet

July 1974 2.1688 J. Farstad



LEGEND

5		Granitic Rocks	a granitic pegmatite b m.g. leucocratic granite
4		Syenitic Rocks	a syenitic pegmatite b hbld. syenitic lenticular gneiss
3	3	Nepheline-bearing Rocks	a hbld. nepheline lenticular gneiss b c.g. massive hbld. nepheline rock
2		Paragneisses	a iron formation b quartzite c quartzo-feldspathic paragneiss d amphibolite
1.	1	Marbles	a phlogopite b graphite c tremolite d siliceous

roads paved, graveled, abandoned
transmission line
building
streams
marshes and low wet ground
bodies of water
lot and concession lines
claim line and post
picket line
traverse line
outcrop
banding and foliation
geological contact approximate
pits and quarries
RA 2-3x bkrd anomalous radioactivity, x background

1:2400

200 0 200 400 600 800
feet

Figure 4

IMPERIAL OIL LIMITED

MONMOUTH PROSPECT

Con. IX Lot 10
Monmouth Township Haliburton County

GEOLOGY
1 inch = 200 feet

July 1974 2.1688 J. Farstad

Figure 5

IMPERIAL OIL LIMITED

MONMOUTH PROSPECT
CONCESSION X, LOTS 7,8,9,10
McGUE LAKE GROUP

GEOLOGY

7 Skarn
6 Amphibolite
5 Granitic Rocks — a - granitic pegmatite; b - leucocratic granite
4 Syenite — a - syenitic pegmatite
2 Paragneiss — b - quartzite; c - quartzo-feldspathic paragneiss; d - amphibolite; g - granitic paragneiss
1 Marble — a - phlogopite; c - tremolite; d - siliceous

Outcrop
Strike and dip of foliation
Trench, Pit
Concession and Lot Line
Traverse Line
Cliff
Swamp, Bog
Boundary
Creek
Building
Road

Scale: 1 inch = 200 feet

October, 1974

B. Lowe

Field Party: B. Lowe, J. Howard, A. Lambert, W. Evans

2.1688

250

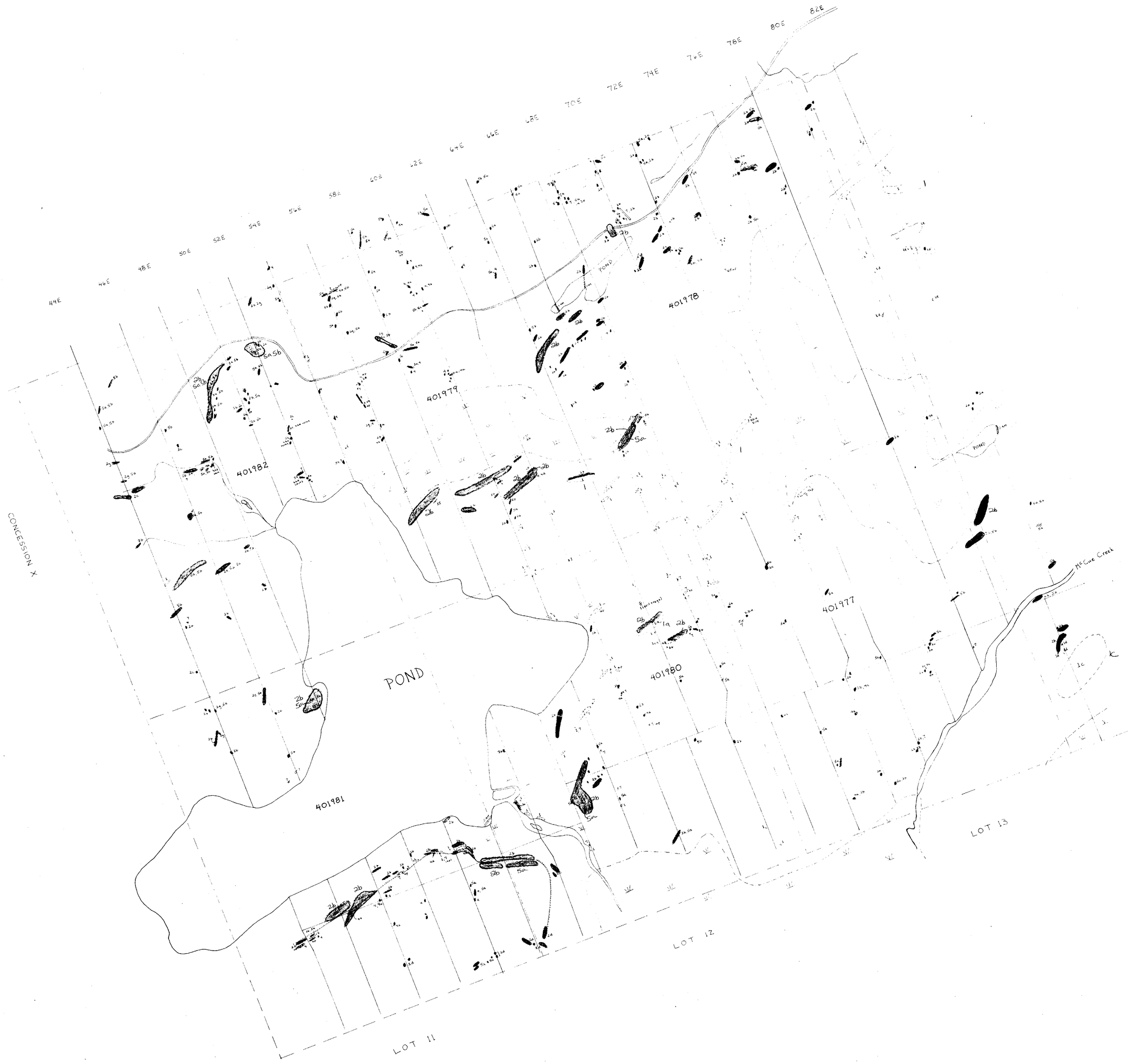


Figure 6

IMPERIAL OIL LIMITED

MONMOUTH PROSPECT
CONCESSION X, LOTS 11, 12, 13
McCUE LAKE GROUP

GEOLOGY

7 Skarn
6 Amphibolite
5 Granitic Rocks: a - granitic pegmatite; b - leucocratic granite
4 Syenite: a - syenitic pegmatite
2 Paragneiss: b - quartzite; c - quartzo-feldspathic paragneiss; d - amphibolite; g - granitic paragneiss
1 Marble: a - phlogopite; c - tremolite; d - siliceous; e - diopside
ap - apatite

- Outcrop
- Strike and dip of foliation
- Trench, Pit
- Concession and Lot Line
- Traverse Line
- Cliff
- Swamp or Bog, Boundary
- Creek
- Building
- Road

Scale: 1 inch = 200 feet

November, 1974

B. Lowe

Field Party: B. Lowe, J. Howard, W. Evans

2.1688

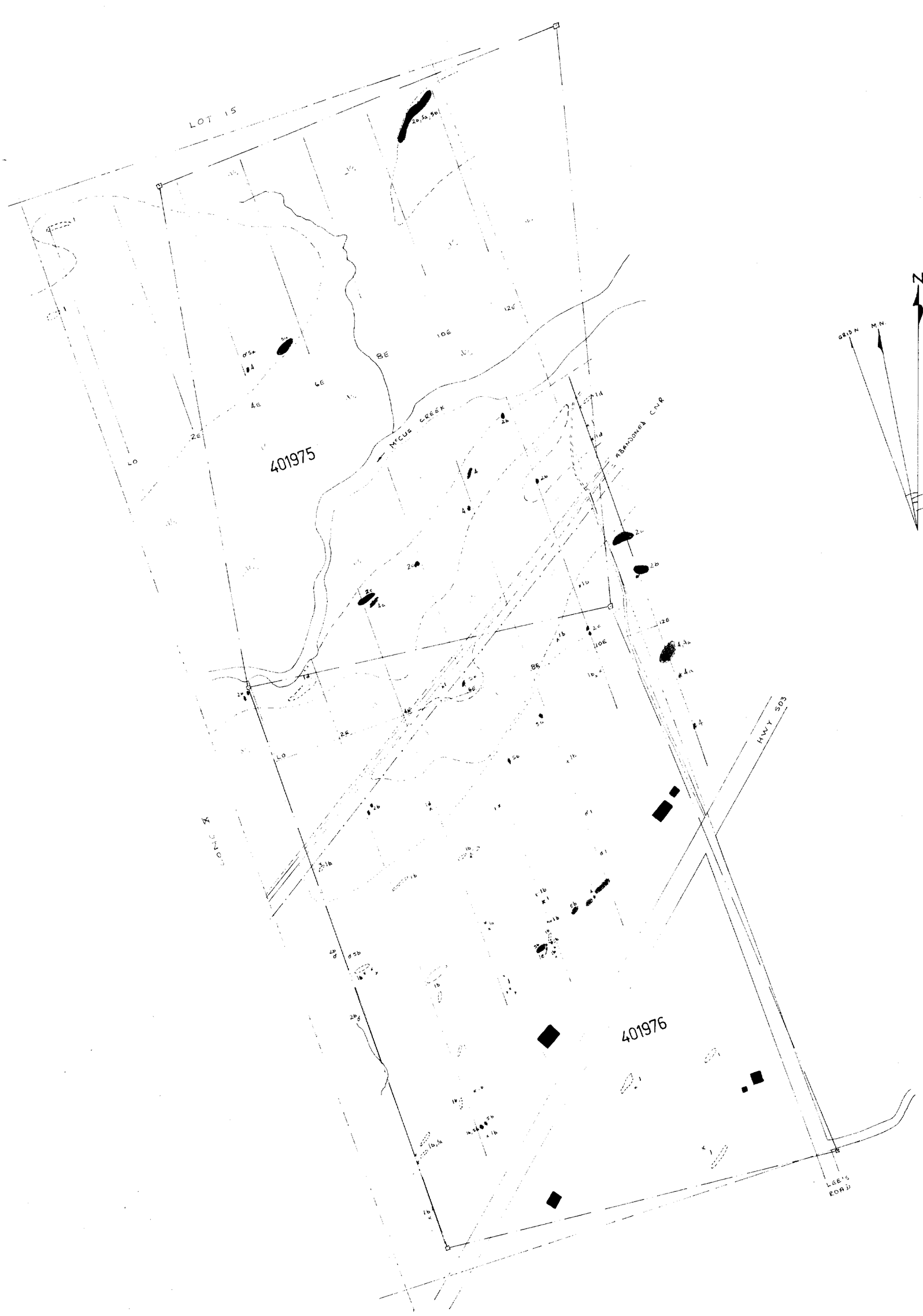


Figure 7

IMPERIAL OIL LIMITED
MONMOUTH PROSPECT
McCUE LAKE GROUP

GEOLOGY

5		GRANITE	a: GRANITE PEGMATITE b: LEUCOCRATIC GRANITE
4		SYENITE	a: SYENITE PEGMATITE
2		PARAGNEISS	b: QUARTZITE c: QUARTZO-FELDSPATHIC
1	1	MARBLE	a: PHLOGOPITE b: GRAPHITE d: SILICA e: DIOPSIDE

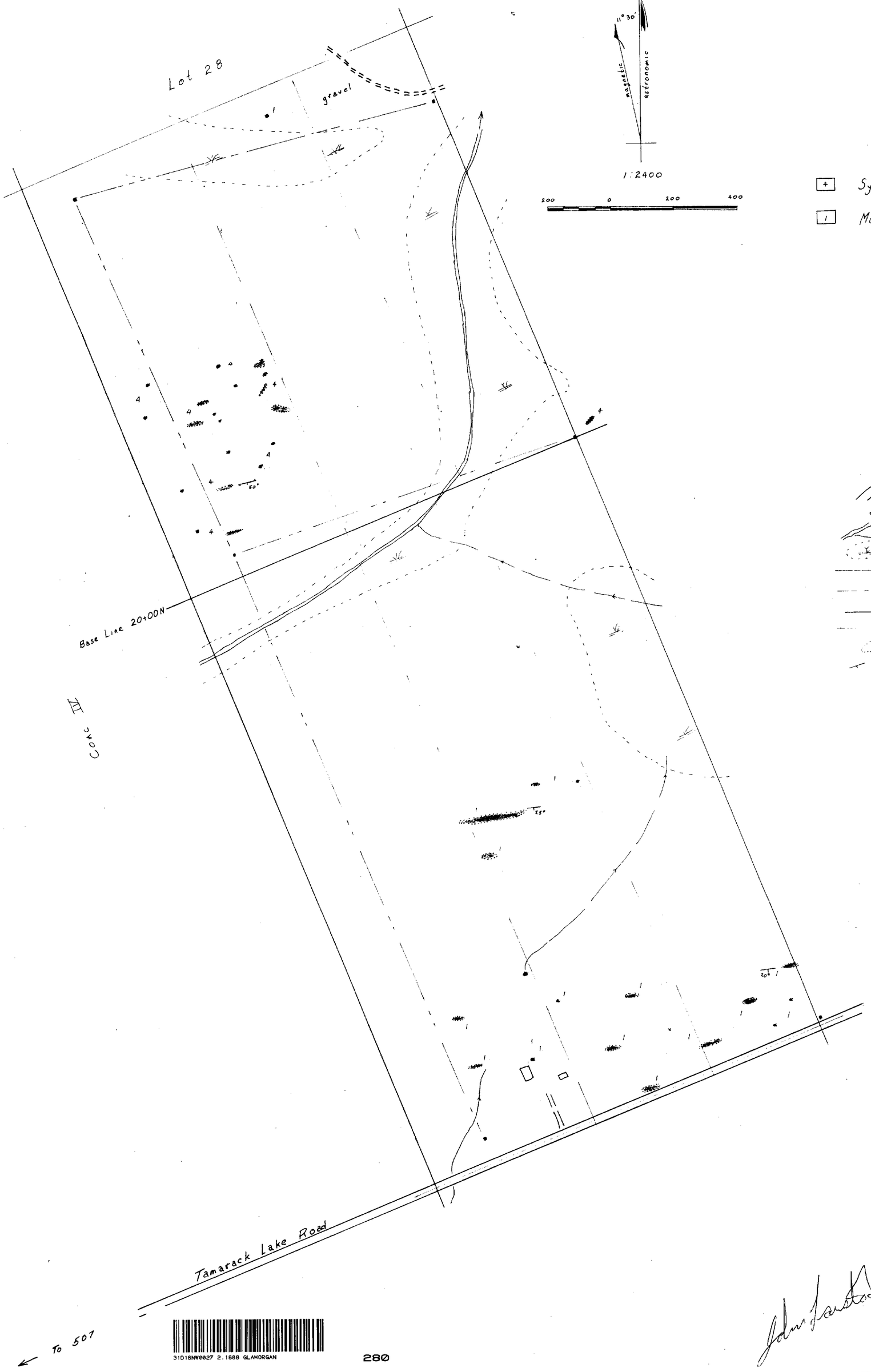
CLAIM LINE AND POST
LOT AND CONC. LINE
FENCE
ROAD
PATH
BUILDING
STREAM
MARSH, SWAMP (DEFINED)
OUTCROP
TRAVERSE LINE

SCALE: 1" = 200' DATE: NOV./74

B. Lowe

2.1688

John Fowler



LEGEND

+ Syenitic Rock hbld. syenitic lenticular gneiss

I Marble crystalline with minor philogopite

31D16NW0027 2.1688 GLAMORGAN

280

Figure 8

IMPERIAL OIL LIMITED

Glamorgan Township
Haliburton County
Lot 28 Conc IV

GEOLOGY
1 inch to 200 feet

November 7 1974 J. Farstad

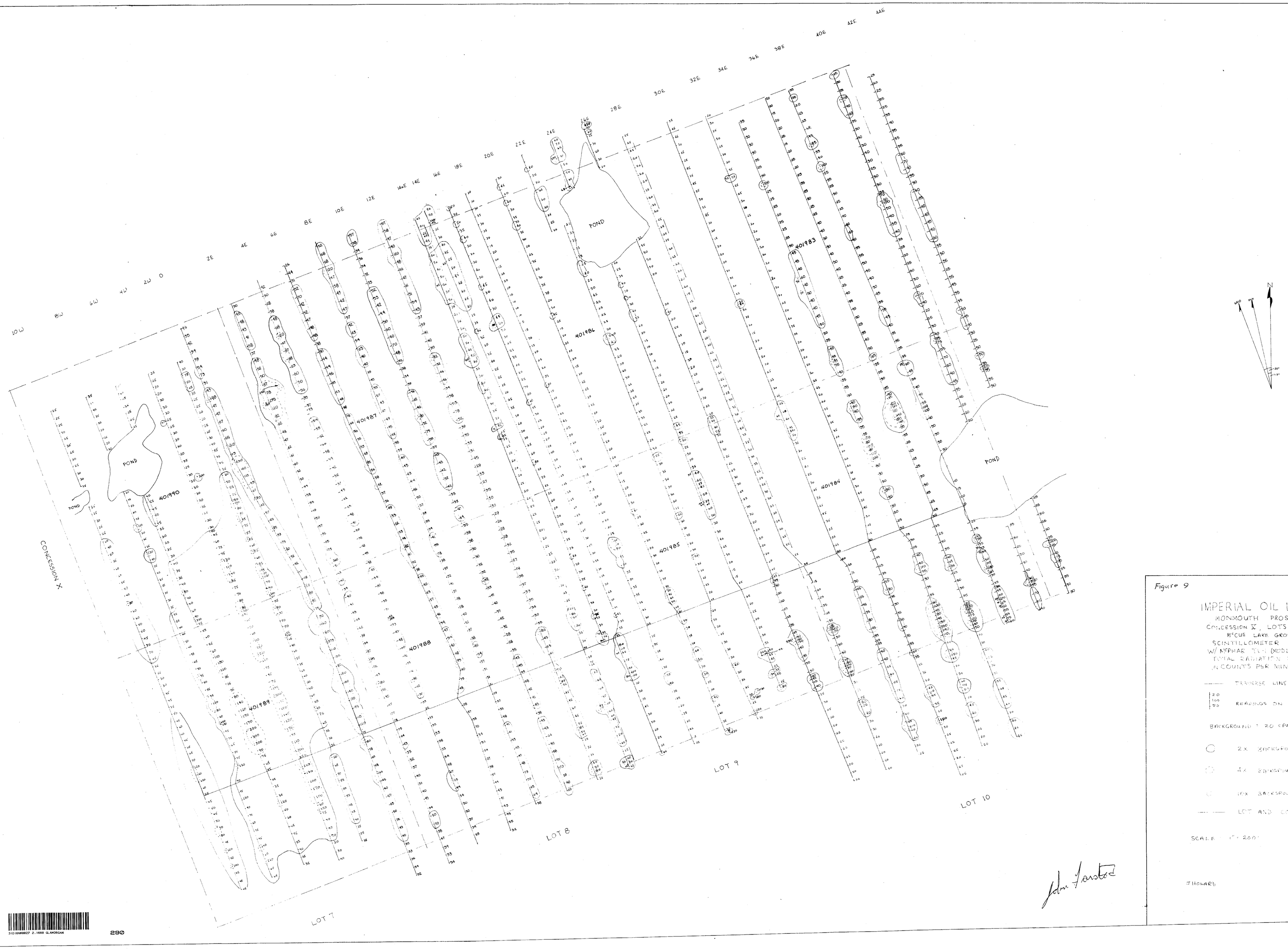


Figure 9

IMPERIAL OIL LIMITED

MONMOUTH PROSPECT
CONCESSION X, LOTS 8, 9, 10, 7
MCCUE LAKE GROUP
SCINTILLOMETER SURVEY
W/ NEPHAR TILT (MODEL 174-28)
TOTAL RADIATION SURVEY
IN COUNTS PER MINUTE X100

——— TRAVERSE LINE

2.0
1.00
.50 READINGS ON LINE

BACKGROUND = 20 CPM X100

○ 2X BACKGROUND

◌ 4X BACKGROUND

◌ 10X BACKGROUND

——— LOT AND CONCESSION LINE

SCALE 1" = 200' NOVEMBER, 1974

#HOWARD

2.1688

John Forster

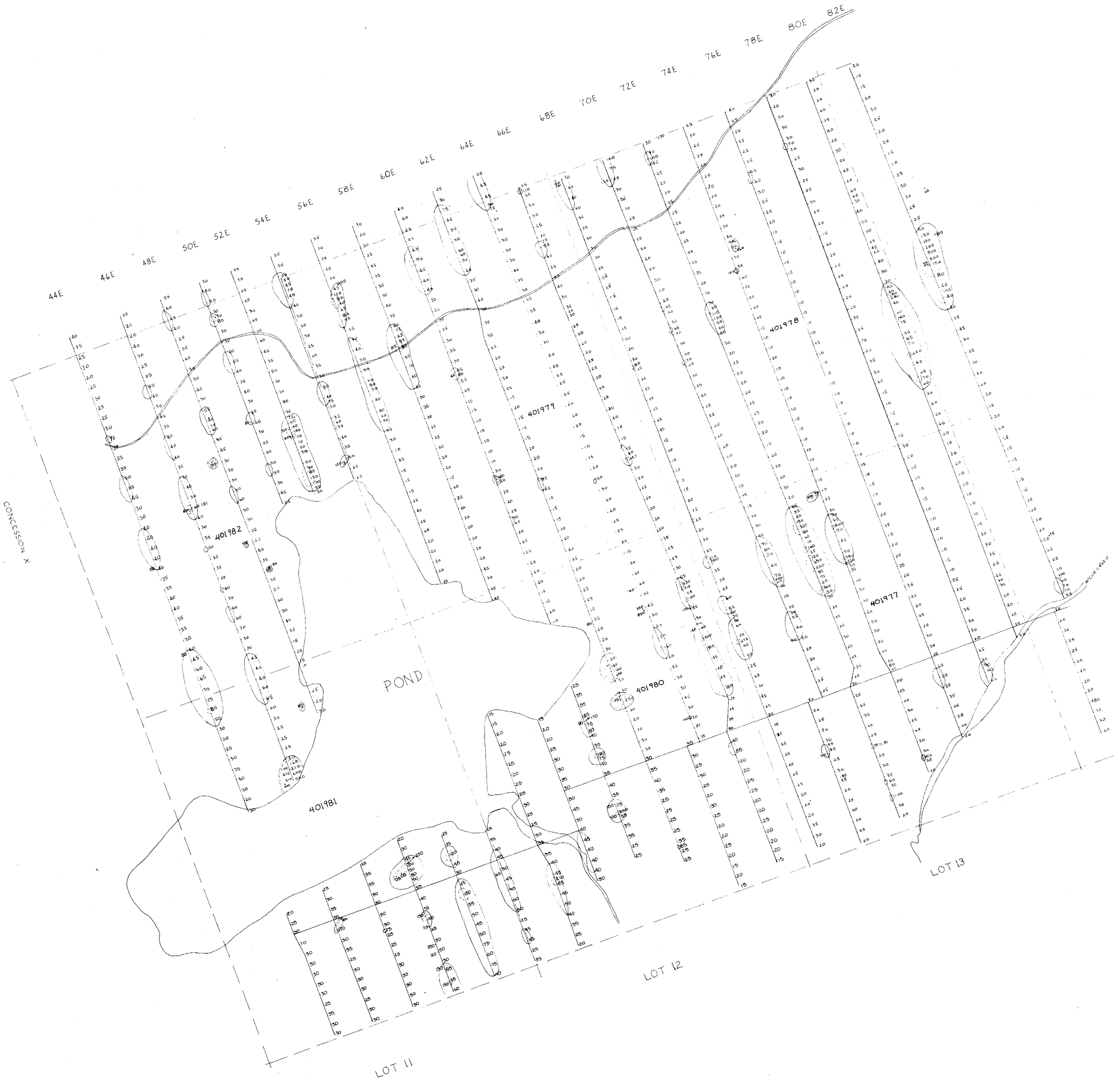


Figure 10

IMPERIAL OIL LIMITED

MONMOUTH PROSPECT
CONCESSION X, LOTS 11, 12, 13
McCUE LAKE GROUP
SCINTILLOMETER SURVEY
W/ McPHAR TV-1 (MODEL 174-28)
TOTAL RADIATION SURVEY
IN COUNTS PER MINUTE X100

—— TRAVERSE LINE

20
100
50 READINGS ON LINE

BACKGROUND = 20 CPM (X100)

○ 2x BACKGROUND

◌ 4x BACKGROUND

⊙ 10x BACKGROUND

— — — LOT AND CONCESSION LINE

SCALE : 1" = 200' NOVEMBER, 1974

F. HOWARD

2.1688

300

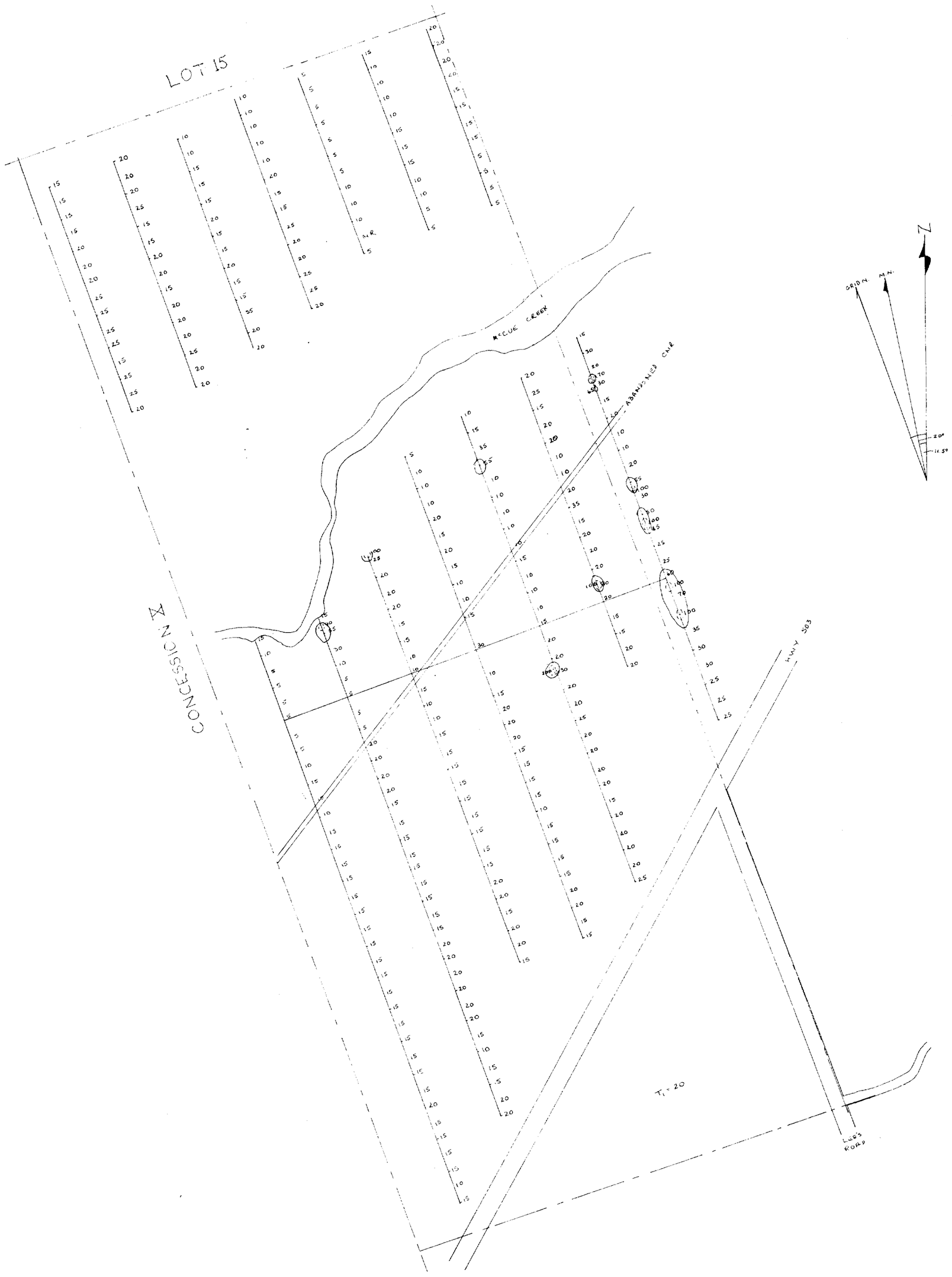


Figure 11

IMPERIAL OIL LIMITED
MONMOUTH PROSPECT
McCUE LAKE GROUP

SCINTILLOMETER SURVEY
W/ McPHAR TV-1 (MODEL 174-28)
TOTAL RADIATION SURVEY
IN COUNTS PER MINUTE X100

—— TRAVERSE LINE

20
60 READINGS ON LINE
100

BACKGROUND = 20 cpm (x100)

○ 2x BACKGROUND

◌ 4x BACKGROUND

10x BACKGROUND

—·— LOT AND CONCESSION LINE

NOVEMBER, 1974 SCALE 1"=200'

J. HOWARD 2.1688

IMPERIAL OIL LIMITED

GLAMORGAN TOWNSHIP
ONTARIO

GEOLOGICAL MAP

Scale: 1" = 200 ft

2.1533

6	GABBRO, DIORITIC IN PLACES
5	PEGMATITE MAINLY SYENITIC ne - NEPHELINE BEARING
4	SYENITE ne - NEPHELINE BEARING M - MAFIC SYENITE
3	PARAGNEISSES FELDSPATHIC QUARTZITES AND MICA SCHISTS, a - AMPHIBOLITIC
2	SKARN, a - AMPHIBOLITIC, g - WHITE GRANITE
1	MARBLE

OUTCROPS SMALL, LARGE

DEEP OF OUTCROPS

BOULDERS

SWAMP AREAS

NO OUTCROP, MEANS GLACIAL OVERBURDEN

STRIKE AND DIP OF FOLIATION

TRENCH

DIAMOND DRILL HOLE

305

2.1533