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MAGNETIC

AND

HORIZONTAL LOOP ELECTROMAGNETIC

SURVEYS

FOR

ESSEX MINERALS COMPANY

HALLIDAY PROJECT

WICKS ROAD GRID

Timmins, Ontario May 1978

RECEIVED

SEP 2 5 1978

MINING LANDS SECTIOR

Peter T. George, P.Eng. Consulting Geologist

WICKS ROAD GRID

Introduction

The following report describes the results of ground geophysical surveys completed for Essex Minerals Company, Halliday Project, Ontario. Line cutting was completed during the period January 4 to February 26, 1978. Geophysical surveys were completed during the period February 4 to April 15, 1978.

Property Description

The property consists of eight contiguous, unpatented mining claims designated as follows:

L479467 to L479474 inclusive

Property Location and Access

The property is located in the northwest corner of Hutt Township. Access to the property is via the Papakomeka Lake road south from Timmins then west along the Matachewan road for approximately five miles. The Matachewan road crosses the southwest corner of the property.

Geophysical Surveys

Magnetic and horizontal loop electromagnetic surveys were completed on the property.

The magnetic survey was carried out utilizing a Scintrex MP-2 Proton Magnetometer capable of reading total field values to an accuracy of \pm 1 gamma. Readings were taken at 50 foot intervals on all base lines and cross lines. Base stations were established at 100 foot intervals along all base lines and tie lines. Diurnal variation was corrected for by tieing in to the base stations at time intervals generally less than half hour and in no case greater than one hour.

The horizontal loop electromagnetic survey was carried out utilizing an Apex Parametrics Max Min II HEM. The HEM unit measures the in-phase and Quadrature components of the secondary field developed in the vicinity of conductive material. The measurements are accurate to \pm 1%. Readings were taken at 444 Hz and 1777 Hz frequencies utilizing a 400 foot reference cable.

Conductivity-width and depth of overburden determinations are presented on the 444 Hz HEM maps.

Regional Geology

The regional geology of the area is presented on Ontario Department of Natural Resources Compilation Map 2205 (Timmins-Kirkland Lake).

The area is underlain by an Archean volcanic-sedimentary complex locally referred to as the Halliday dome. The general stratigraphic sequence in the area is as follows: A thick sequence of mafic volcanic rocks is overlain by a felsic volcanic complex consisting of flows, pyroclastics and volcaniclastic sediments. Ultramafic flows or sills are common in the general stratigraphic interval marked by the felsic volcanicmafic volcanic contact zone. Sedimentary rocks occur intercalated with the volcanic rocks and also occur at the top of the stratigraphic sequence.

Folding in the area is complex but generally occurs about fold axes having an east-west trend. Some large scale cross folding has occurred about north-south trending fold axis.

Two major sets of faults occur in the area. One set has a northeasterly strike direction and the other has a north to northwesterly strike direction.

Three sets of diabase dikes occur in the area. Dikes having a northerly strike direction are probably Matachewan-type. Dikes having a northeasterly strike direction are probably Sudburytype.

A thin veneer of generally flat lying early Proterozoic sedimentary rocks unconformably overlies the Archean rocks in parts of the area.

Property Geology and Previous Work

Hollinger Exploration has reported geophysical surveys in the vicinity of the present grid and has recorded one drill hole in the southwest sector of the property. Dowa Mining has recorded two drill holes in the northeast sector of the property.

The property is underlain by interlayered mafic and felsic volcanic strata with an east-west strike direction. Stratigraphic tops are to the north.

Geophysical Results

Magnetic Survey:

Maximum magnetic relief on the property is 5850 gammas. The data displays generally low relief with a number of narrow, linear magnetic anomalies that are probably caused by magnetite-sulphide bearing iron formation within mafic volcanic rocks.

HEM Survey:

Five electromagnetic anomalies were located during the survey.

Anomaly A

Anomaly A occurs from line 0 to line 24E and probably extends off the property to the west. The best electromagnetic response is on line 24E where the data indicates a conductive zone 30 to 40 feet wide with a conductivity-width of 12 mhos and a depth of burial of 110 feet. The zone is non magnetic.

Anomaly B

Anomaly B occurs from line 12E to line 20E, and is non magnetic. The data indicates a thin zone with a conductivity-width of 6 to 9 mhos

Anomaly B - Con't

and a depth of burial of 80 to 90 feet.

Anomaly C

Anomaly C occurs from line 0 to line 12E and probably extends off the property to the west. The conductive zone is non magnetic but east of line 12E along strike there is a 1400 gamma magnetic anomaly. The best response is on lines 4E to 8E where the data indicates a thin conductive zone with a conductivity-width of 4 to 9 mhos and a depth of burial of 70 to 110 feet. The conductivity is probably due to pyritic iron formation that changes along strike into magnetite bearing iron formation.

Anomaly D

Anomaly D occurs from line 32E to line 52E and probably extends off the property to the east. The zone displays variable electromagnetic response along strike and a variable magnetic association (200 to 5000 gammas). The conductivity is probably due to an iron formation zone having a variable sulphide-oxide content. The best response is on line 32E where the data indicates a zone 50 feet wide with a conductivity-width of 51 mhos and a depth of burial of 28 feet.

Anomaly E

Anomaly E occurs as a single line response on line 36E with no associated magnetic anomaly. The data indicates a zone 60 feet wide with a conductivity-width of 139 mhos and a depth of burial of 40 feet.

Conclusions and Recommendations

Anomaly A has been previously drilled and is due to a pyritegraphite horizon.

Anomalies C and D are probably magnetite-sulphide bearing iron formation. Anomaly D was probably drilled by Dowa Mining.

Anomaly B occurs near a mafic volcanic-felsic volcanic contact and there is no record of previous drilling.

Anomaly E is a strong conductor within felsic volcanic rocks but may have been previously drilled by Dowa Mining.

A field check to locate old drill sites should be completed prior to undertaking additional work on the property.

Anomalies B and E should be given highest priority if they have not been previously tested by drilling.

Respectfully submitted,

Peter T. George, P.Eng. Consulting Geologist



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MAGNETIC

AND

HORIZONTAL LOOP ELECTROMAGNETIC

SURVEYS

FOR

ESSEX MINERALS COMPANY

HALLIDAY PROJECT

UPPER REDWING LAKE GRID

Timmins, Ontario May 1978

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RECEIVED

Peter T. George, P.Eng. Consulting Geologist

SEP 2 5 1978

MINING LANDS SECTION

UPPER REDWING LAKE GRID

Introduction

The following report describes the results of ground geophysical surveys completed for Essex Minerals Company, Halliday Project, Ontario. Line cutting was completed during the period January 4 to February 26, 1978. Geophysical surveys were completed during the period February 4 to April 15, 1978.

Property Description

The property consists of five contiguous, unpatented mining claims designated as follows:

L479493 to L479497 inclusive.

Property, Location and Access

The property is located in the northeast sector of Hutt Township northeast of Redwing Lake. Access to the property is via the Papakomeka Road south from Timmins then east along the Matachewan road for approximately ten miles. A lumber road provides access to the property which lies approximately a half mile south of the Matachewan road.

Geophysical Surveys

Magnetic and horizontal loop electromagnetic surveys were completed on the property.

The magnetic survey was carried out utilizing a Scintrex MP-2 Proton Magnetometer capable of reading total field values to an accuracy of \pm 1 gamma. Readings were taken at 50 foot intervals on all base lines and cross lines. Base stations were established at 100 foot intervals along all base lines and tie lines. Diurnal variation was corrected for by tieing in to the base stations at time intervals generally less than half hour and in no case greater than one hour.

The horizontal loop electromagnetic survey was carried out utilizing an Apex Parametrics Max Min II HEM. The HEM unit measures the in-phase and Quadrature components of the secondary field developed in the vicinity of conductive material. The measurements are accurate to \pm 1%. Readings were taken at 444 Hz and 1777 Hz frequencies utilizing a 400 foot reference cable.

Conductivity-width and depth of overburden determinations are presented on the 444 Hz HEM maps.

Regional Geology

The regional geology of the area is presented on Ontario Department of Natural Resources Compilation Map 2205 (Timmins-Kirkland Lake).

The area is underlain by an Archean volcanic-sedimentary complex locally referred to as the Halliday dome. The general stratigraphic sequence in the area is as follows: A thick sequence of mafic volcanic rocks is overlain by a felsic volcanic complex consisting of flows, pyroclastics and volcaniclastic sediments. Ultramafic flows or sills are common in the general stratigraphic interval marked by the felsic volcanicmafic volcanic contact zone. Sedimentary rocks occur intercalated with the volcanic rocks and also occur at the top of the stratigraphic sequence.

Folding in the area is complex but generally occurs about fold axes having an east-west trend. Some large scale cross folding has occurred about north-south trending fold axis.

Two major sets of faults occur in the area. One set has a northeasterly strike direction and the other has a north to northwesterly strike direction.

Three sets of diabase dikes occur in the area. Dikes having a northerly strike direction are probably Matachewan-type. Dikes having a northeasterly strike direction are probably Sudburytype.

A thin veneer of generally flat lying early Proterozoic sedimentary rocks unconformably overlies the Archean rocks in parts of the area.

Geology and Previous Work

AMAX Exploration has reported one drill hole in the northwest sector of the property.

The property is underlain by felsic volcanic rocks having a west to northwest strike direction. A northwest trending diabase dike crosses the west-central part of the property.

A number of pyrite bearing graphite zones occur on the property.

Geophysical Results

Magnetic Survey:

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Maximum magnetic relief on the property is approximately 1400 gammas. The property generally displays low magnetic relief with the exception of a distinct northwest trending anomaly that crosses the property and a number of narrow, east-west trending anomalous zones.

The northwest trending anomaly is due to a diabase dike. The other anomalies are probably due to pyrrhotite or magnetite bearing horizons within the volcanic sequence.

HEM Survey:

Six electromagnetic anomalies were located during the survey.

Anomaly A

Anomaly A occurs from line 0 to line 20E and probably extends off the property to the west. The anomaly has a coincident 100 to 1500 gamma magnetic anomaly. The conductive zone splits into 2 horizons in the vicinity of line 12E. The magnetic data supports this interpretation. The best response is in the vicinity of lines 4E and 8E where the data indicates a conductive zone 50 to 60 feet wide with a conductivity-width of 12 to 13 mhos and a depth of burial of 28 to 32 feet.

Anomaly B

Anomaly B occurs as a single line response on line 16E with a coincident 50 gamma magnetic anomaly. The data indicates a thin, weakly conductive zone probably caused by a lens of pyrrhotite.

Anomaly C

Anomaly C occurs as a broad, weak, single line response on line 0 coincident with a magnetic low. The data indicates a conductive zone 70 to 180 feet wide with a conductivity-width of 3 mhos and a depth of burial of 28 feet. The zone may extend off the property to the west.

Anomaly D-E

Anomalies D and E probably represent the same zone with the lack of response in the vicinity of line 20E due to the presence of a northwest trending diabase dike that cuts through the conductive zone. The zone is non-magnetic. The best response is on line 16E where the data indicates a zone approximately 100 feet wide with a conductivity-width of 15 mhos and a depth of burial of 70 feet.

Anomaly F

Anomaly F occurs as a single line response on line 36E and may extend off the property to the east. The data indicates a thin, non-magnetic zone with a conductivity-width of 2 mhos and a depth of burial of 40 feet.

Conclusions and Recommendations

From existing geological data it would appear that all of the electromagnetic responses on the property are caused by either pyrite-graphite or pyrite-pyrrhotite-graphite horizons.

Anomalies C,D,E, and F occur on the same stratigraphic horizon. Only zones A and C would appear to be sufficiently wide to have significance if they contained economic mineralization. Both zones have probably been drilled previously.

A field check should be carried out in the vicinity of anomalies A and C to locate old drill sites prior to undertaking any further work on the property.

Respectfully_submitted, Kory.

Peter T/ George, P.Eng, Consulting Geologist

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MAGNETIC

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SURVEYS

FOR

ESSEX MINERALS COMPANY

HALLIDAY PROJECT

WELLINGTON LAKE GRID

Timmins, Ontario May 1978

Sec. Land

Peter T. George, P.Eng. Consulting Geologist

RECEIVED

SEP 2 5 1978

MINING LANDS SECTION

WELLINGTON LAKE GRID

Introduction

The following report describes the results of ground geophysical surveys completed for Essex Minerals Company, Halliday Project, Ontario. Line cutting was completed during the period January 4 to February 26, 1978. Geophysical surveys were completed during the period February 4 to April 15, 1978.

Property Description

The property consists of sixteen contiguous, unpatented mining claims designated as follows:

L479456 to L479466 inclusive

L479475; L479476; L508634; L508637; L508638

Property, Location and Access

The property is located in the northeast sector of Hutt Township at Redwing Lake. Access to the property is via the Papakomeka Lake road south from Timmins then east on the Matachewan road for approximately ten miles. A lumber road provides access to the property which lies approximately one and a half miles south of the Matachewan road.

Geophysical Surveys

Magnetic and horizontal loop electromagnetic surveys were completed on the property.

The magnetic survey was carried out utilizing a Scintrex MP-2 Proton Magnetometer capable of reading total field values to an accuracy of \pm 1 gamma. Readings were taken at 50 foot intervals on all base lines and cross lines. Base stations were established at 100 foot intervals along all base lines and tie lines. Diurnal variation was corrected for by tieing in to the base stations at time intervals generally less than half hour and in no case greater than one hour.

The horizontal loop electromagnetic survey was carried out utilizing an Apex Parametrics Max Min II HEM. The HEM unit measures the in-phase and Quadrature components of the secondary field developed in the vicinity of conductive material. The measurements are accurate to \pm 1%. Readings were taken at 444 Hz and 1777 Hz frequencies utilizing a 400 foot reference cable.

Conductivity-width and depth of overburden determinations are presented on the 444 Hz HEM maps.

Regional Geology

The regional geology of the area is presented on Ontario Department of Natural Resources Compilation Map 2205 (Timmins-Kirkland Lake).

The area is underlain by an Archean volcanic-sedimentary complex locally referred to as the Halliday dome. The general stratigraphic sequence in the area is as follows: A thick sequence of mafic volcanic rocks is overlain by a felsic volcanic complex consisting of flows, pyroclastics and volcaniclastic sediments. Ultramafic flows or sills are common in the general stratigraphic interval marked by the felsic volcanicmafic volcanic contact zone. Sedimentary rocks occur intercalated with the volcanic rocks and also occur at the top of the stratigraphic sequence.

Folding in the area is complex but generally occurs about fold axes having an east-west trend. Some large scale cross folding has occurred about north-south trending fold axis.

Two major sets of faults occur in the area. One set has a northeasterly strike direction and the other has a north to northwesterly strike direction.

Three sets of diabase dikes occur in the area. Dikes having a northerly strike direction are probably Matachewan-type. Dikes having a northeasterly strike direction are probably Sudburytype.

A thin veneer of generally flat lying early Proterozoic sedimentary rocks unconformably overlies the Archean rocks in parts of the area.

Geology and Previous Work

Dowa Mining has reported geophysical surveys that cover part of the property. One drill hole has been recorded by Dowa in the northeast sector of the property.

The property is underlain by felsic volcanic rocks having an east-west strike direction. Stratigraphic tops are to the south.

Two sets of faults are inferred in the vicinity of the property. A north to northwest trending set of faults is offset by an eastnortheast trending fault structure.

Geophysical Results

Magnetic Survey:

Maximum magnetic relief on the property is approximately 2600 gammas. The property has low magnetic relief with an eastwest strike trend indicated for the bedrock strata. The high magnetic relief in the northeast corner of the grid may be due to ultramafic rocks. A north-northwest trending fault may offset the ultramafic rocks in the vicinity of lines 44E and 48E. There is no evidence in the geophysical data for an east-northeast trending fault on the property as interperted on the regional geological maps.

HEM Survey:

Three electromagnetic anomalies were located during the survey.

Anomaly A

Anomaly A occurs from line 32E to line 48E. The zone is non magnetic. The best response is on line 44E where the data indicates a thin zone with a conductivity-width if 22 mhos and a depth of burial of 20 feet.

Anomaly B

Anomaly B crosses the entire property and probably extends off the property to the east and west. The zone displays an intermittent 444 Hz response. The zone is generally thin except in the vicinity of line 20E where it is approximately 75 feet wide. The best response is in the area of line 4E to line 20E where the data indicates a conductivity-width of 5 to 12 mhos and a depth of burial of 10 to 18 feet. The zone is non magnetic.

Anomaly C

Anomaly C occurs from line 32W to line 48W and is non magnetic. The zone is thin and displays a dominantly quadrature response at 444 Hz indicating weak conductivity.

Conclusions and Recommendations

Three valid bedrock conductors were located during the survey.

Anomalies A and C are probably caused by pyrite bearing sulphide zones. Both anomalies appear to be too thin to be of economic significance. Dowa Mining has apparently put one drill hole into Anomaly A in the vicinity of line 48E.

Anomaly B outlines a definite stratigraphic horizon probably containing pyrite. The only area of the zone that appears to be sufficiently wide to be of possible economic significance is in the vicinity of line 20E.

A field check should be completed in the line 20E area around anomaly B to determine if there has been previous drilling prior to undertaking further evaluation of the property.

Respectfully submitted, George, P.Eng. Geologist

WICKS ROAD File 2.2.800	
Ministry of Natural Resources	
GEOPHYSICAL – GEOLOGICAI	
TECHNICAL DATA S	
TO BE ATTACHED AS AN APPENDIX I)
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GEOPHYSICAL TECHNICAL DATA

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GEOPHYSICAL TECHNICAL DATA

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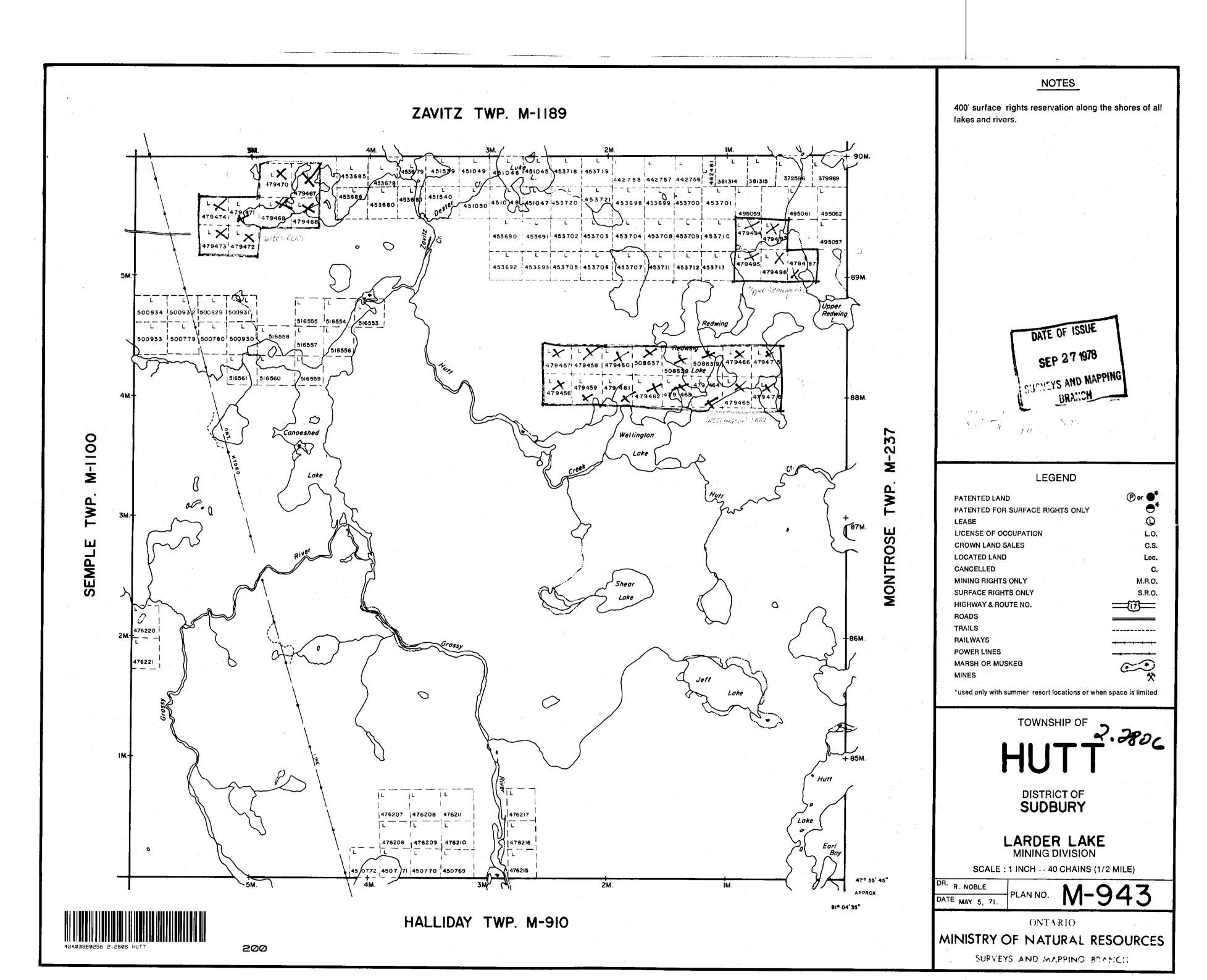
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	Method: LIFIXed transmitter and bioter functions Frequency_444 Hz., 1777 Hz. (specify V.L.F. station) Parameters measured In Phase & Quadrature components of secondary field Instrument
	Method:
	Method: LIFIXed transmitter Concernance Frequency_444 Hz., 1777 Hz. (specify V.L.F. station) Parameters measured In Phase & Quadrature components of secondary field Instrument
	Method: LI Fixed transmitter Concertion Frequency_444 Hz., 1777 Hz. (specify V.L.F. station) Parameters measured In Phase & Quadrature components of secondary field Instrument
GRAVITY	Method: Instrument Frequency 444 Hz., 1777 Hz. (specify V.L.F. station) Parameters measured Instrument Scale constant Corrections made Base station value and location Elevation accuracy Instrument
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GRAVITY	Method: In Fixed transmitter Frequency_444 Hz., 1777 Hz. (specify V.L.F. station) Parameters measured In Phase & Quadrature components of secondary field Instrument Scale constant Corrections made Base station value and location Elevation accuracy Instrument Method Time Domain Parameters - On time Off time Range
GRAVITY	Method: In Fixed transmitter Frequency_444 Hz., 1777 Hz. (specify V.L.F. station) Parameters measured In Phase & Quadrature components of secondary field Instrument Scale constant Corrections made Base station value and location Elevation accuracy Instrument Method Time Domain Parameters - On time Off time Range
GRAVITY	Method: In Phase & Quadrature components of secondary field Instrument Scale constant Corrections made Base station value and location Elevation accuracy Instrument Instru
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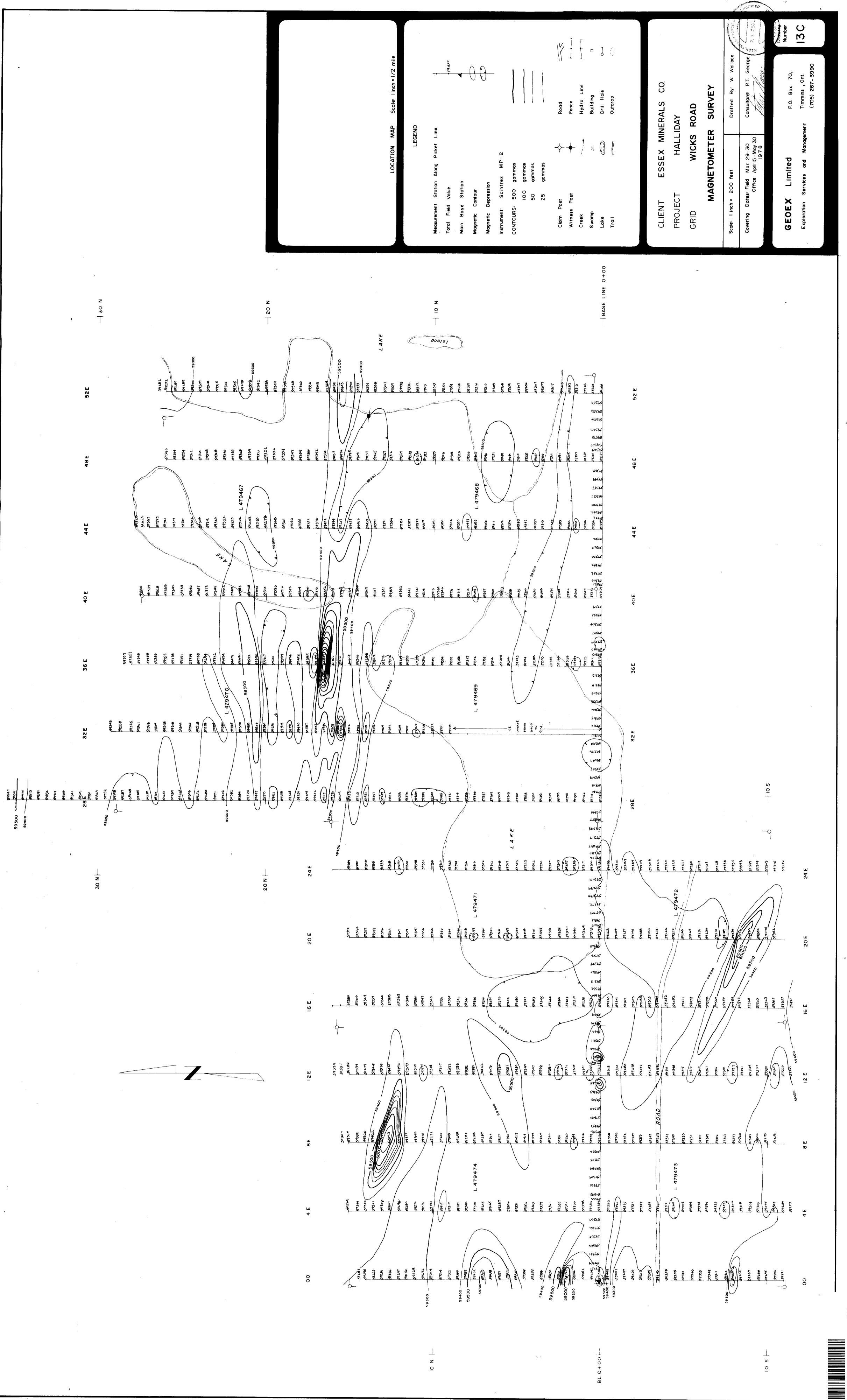
Tildare	WELLINGTON LAKE	File 2.2806			
4	Ministry of Natural Resources				
	GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL				
	GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL TECHNICAL DATA STATEMENT				
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	TO BE ATTACHED AS AN APPENDIX TO TECHNI FACTS SHOWN HERE NEED NOT BE REPEATED				
	TECHNICAL REPORT MUST CONTAIN INTERPRETATION				
話を					
	Type of Survey(s) Mag., HEM, Line Cutting	£			
	Township or Area HUTT TP.	MINING CLAIMS TRAVERSED			
	Claim Holder(s) Essex Minerals Company	List numerically			
	91 Pine St., South, Timmins, Ont.				
	Survey CompanyGeoex Ltd., P.O. Box 70, Timmins, On	t. 1_ 479456/4 mol courte			
	Author of Report Peter T. George, P.Eng.	$\begin{array}{c} \text{(prefix)} & \text{(number)} \\ 4794574 \end{array}$			
	Address of Author Geoex Ltd., P.O. Box 70, Timmins				
	Covering Dates of Survey <u>MIHRCH 1 - MAY 30, 1978</u> (linecutting to office)	<u> </u>			
	Total Miles of Line Cut 14.75	L 479459 4			
		L 479460 14			
4:"	SPECIAL PROVISIONS DAYS	L 479461 4			
	CREDITS REQUESTED Geophysical per claim				
	-Electromagnetic 40	L 4794624			
, . Constants	ENTER 40 days (includes	L 479463			
	line cutting) for first				
		L 419464			
		L 479465			
- Series	same grid	L 4794664			
	··· Geocnemical	1/			
	AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)	L 479475 X4			
	MagnetometerElectromagnetic Radiometric	479476			
	the second se	6 50863494			
	DATE: June 8, 1978 SIGNATURE: Mur / Work Muthor of Report or Agent				
7		L 508637 4			
	L.D.	L 50863814			
	Res. Geol Qualifications 235D				
	Previous Surveys				
	File No. Type Date Claim Holder				
¥.		•			
		•••••••••••••••••••••••••••••••••••••••			
201 1	·····				
		TOTAL CLAIMS6			

GEOPHYSICAL TECHNICAL DATA

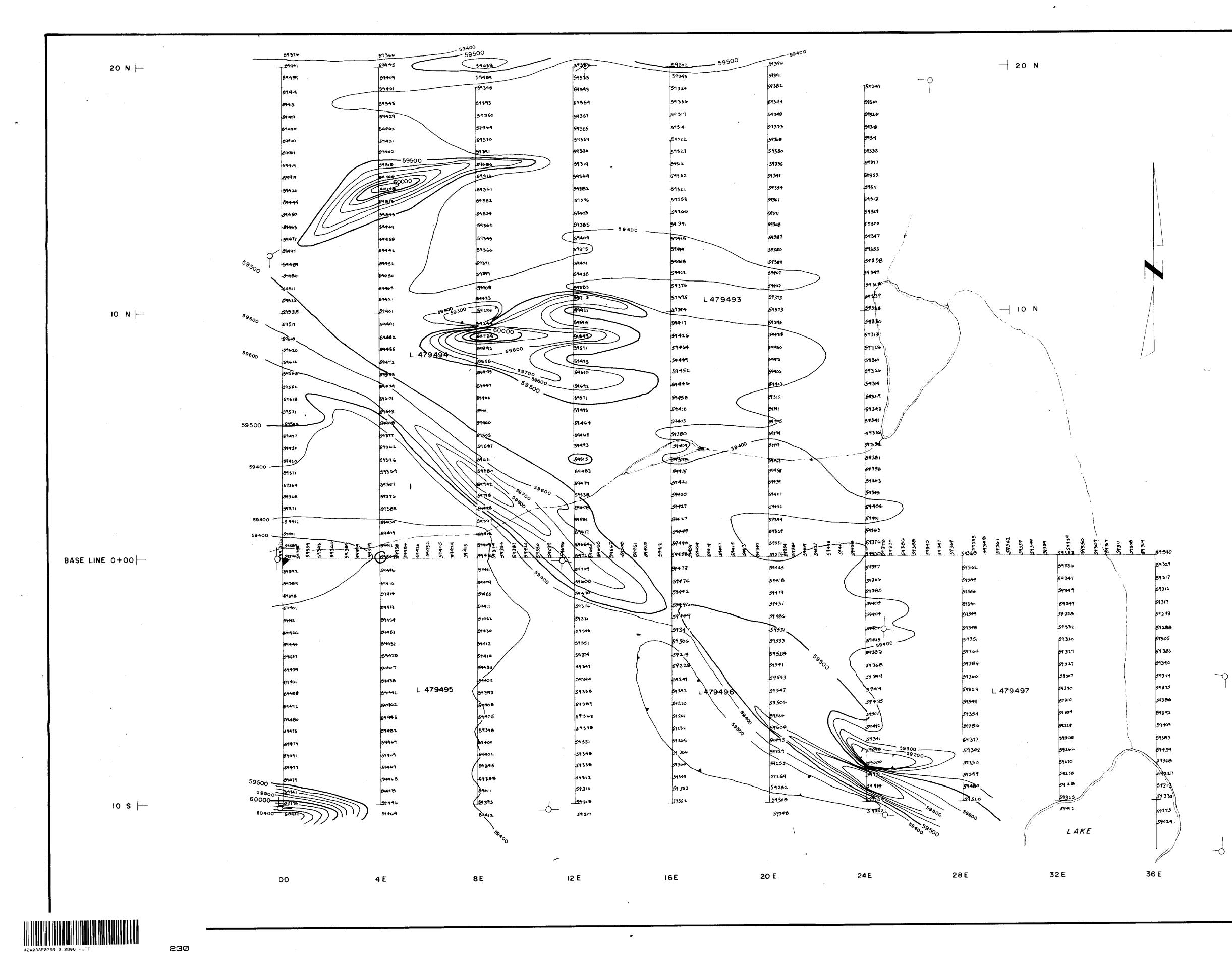
Mag: 1461 umber of Stations HEM: 587		Mag Number of Readings <u>_HEM</u>	: 1661
tation interval Mag: 50'			
ofile scale 1 inch = 20%			
ontour interval 25 to 100 c	Tammas		· · · ·
	<u> </u>		
Instrument Scintrex MP.	-2 Proton Mag.		
A Parla constant +	l gamma	·	
Diurnal correction method Base	e Stns. establis	hed at 100' interval	s along B.L.
Base Station check-in interval (ho	ours) Maximum 1	hour	
Base Station location and value _	00/00	59301 1	
Dase Station location and value 2			
Instrument Apex Paramet	rics Maxmin II		
Coil configuration Horizon			
Coil separation400'		¥2.♥ 	
Accuracy <u>+ 18</u>		\	
	ed transmitter	Shoot back 🕅 In line	🗖 Parallel line
Frequency <u>444 Hz.</u> , <u>1777</u>			
	18000119	V.L.F. station)	
			#d - 1 # ·
Parameters measured In Phas	<u>e & Quadrature c</u>	omponents of second	ary field
Parameters measured In Phas	<u>e & Quadrature c</u>	omponents of second	ary field
Parameters measured <u>In Phas</u> Instrument	e <u>& Quadrature</u> c	omponents of second	ary field
Instrument Scale constant			
Instrument			
Instrument Scale constant			
Instrument Scale constant Corrections made Base station value and location _			
Instrument Scale constant Corrections made Base station value and location _			
Instrument Scale constant Corrections made Base station value and location			
Instrument Scale constant Corrections made Base station value and location _			
Instrument Scale constant Corrections made Base station value and location Elevation accuracy			
Instrument Scale constant Corrections made Base station value and location Elevation accuracy Instrument			
Instrument Scale constant Corrections made Base station value and location Elevation accuracy Instrument <u>Method</u> Time Domain		Frequency Doma	in
Instrument Scale constant Corrections made Base station value and location Elevation accuracy Instrument <u>Method</u> [] Time Domain Parameters – On time		Frequency Doma Frequency	in
Instrument Scale constant Corrections made Base station value and location Elevation accuracy Instrument Method [] Time Domain Parameters - On time - Off time		Frequency Doma Frequency Range	
Instrument Scale constant Corrections made Base station value and location Elevation accuracy Instrument Method D Time Domain Parameters - On time - Off time - Delay time		☐ Frequency Doma Frequency Range	in
Instrument Scale constant Corrections made Base station value and location Elevation accuracy Instrument Method D Time Domain Parameters - On time - Off time - Delay time - Integration time		Frequency Doma Frequency Range	in
Instrument Scale constant Corrections made Base station value and location Elevation accuracy Instrument Method [] Time Domain Parameters - On time - Off time - Delay time - Integration time		Frequency Doma Frequency Range	in
Instrument Scale constant Corrections made Base station value and location Elevation accuracy Instrument Method D Time Domain Parameters - On time - Off time - Delay time - Integration time Power Electrode array		Frequency Doma Frequency Range	in
Instrument Scale constant Corrections made Base station value and location Elevation accuracy Instrument Method [] Time Domain Parameters - On time - Off time - Delay time - Integration time		Frequency Doma Frequency Range	in

INDUCED POLARIZATION RESISTIVITY









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LOCATION MA	AP Scale: Linch = 1/2 mile
LEGEN	4D
Measurement Station Along Picket Lin	• +
Total Field Value	- 69 <i>450</i>
Main Base Station	
Magnetic Contour	
Magnetic Depression	
instrument: Scintrex MP-2	
CONTOURS: 500 gammas	
100 gammas	
50 gammas 25 gammas	
20 yummua	
Ciom Post	Road
Witness Post	Fence xx
Creek	Hydro Line
Swamp 💵	Building Drill Hole O
Lake 💭 Trail	Outcrop
Truit	
CLIENT ESSEX MI	
PROJECT HALL	
GRID UPPER RE	DWING LAKE
MAGNETOMETE	RSURVEY
Scole: 1 inch = 200 feet	Drafted By: W. Wongeession
Covering Dates: Field April 5	Consultant P.T. George D. T. GEORGE
Office April 5-May30 1978	P. T. GEORGE
	-Bilawing
GEOEX Limited	P.O. Box 70,
Exploration Services and Manage	ment Timmins , Ont. 16 C
CAPIOLOGI Services UNC MODOge	(705) 267- 3990

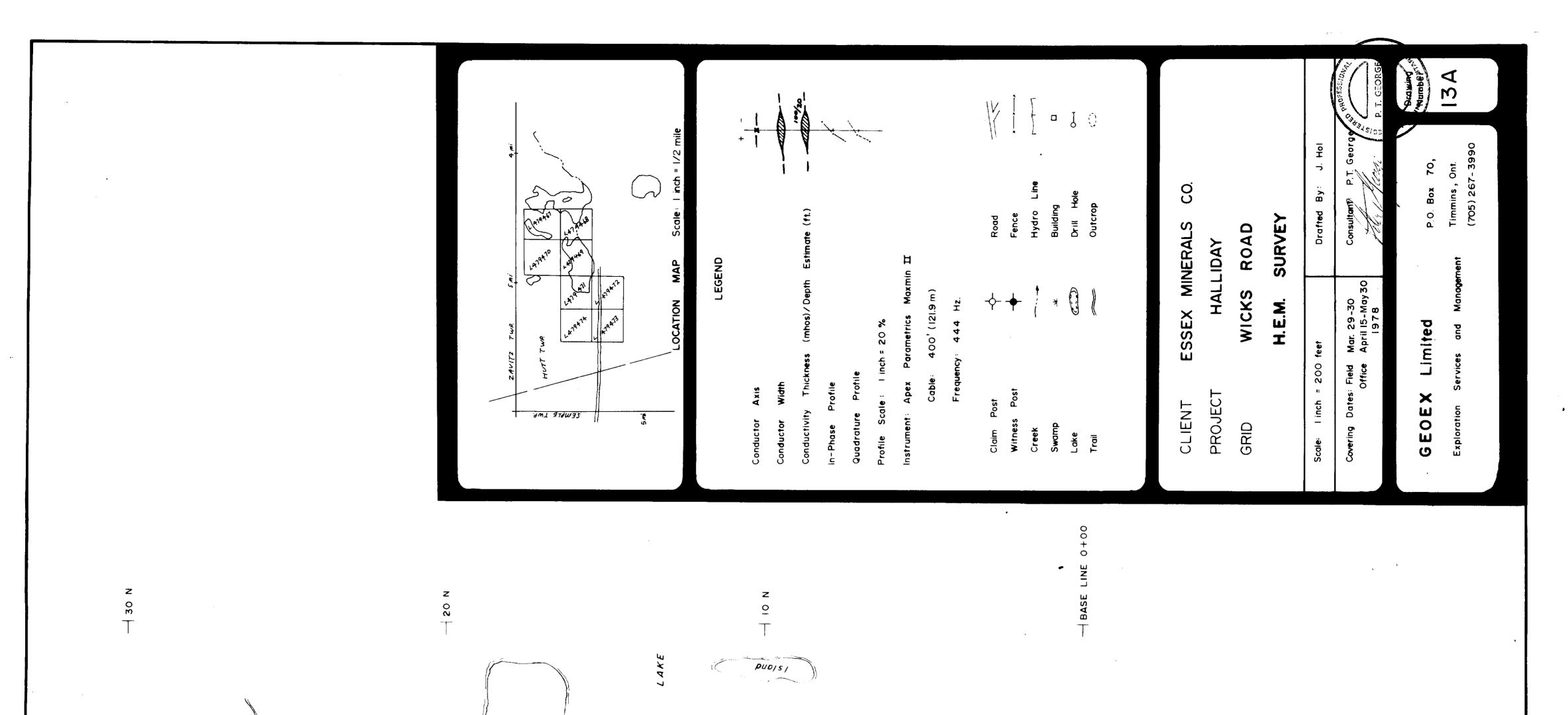
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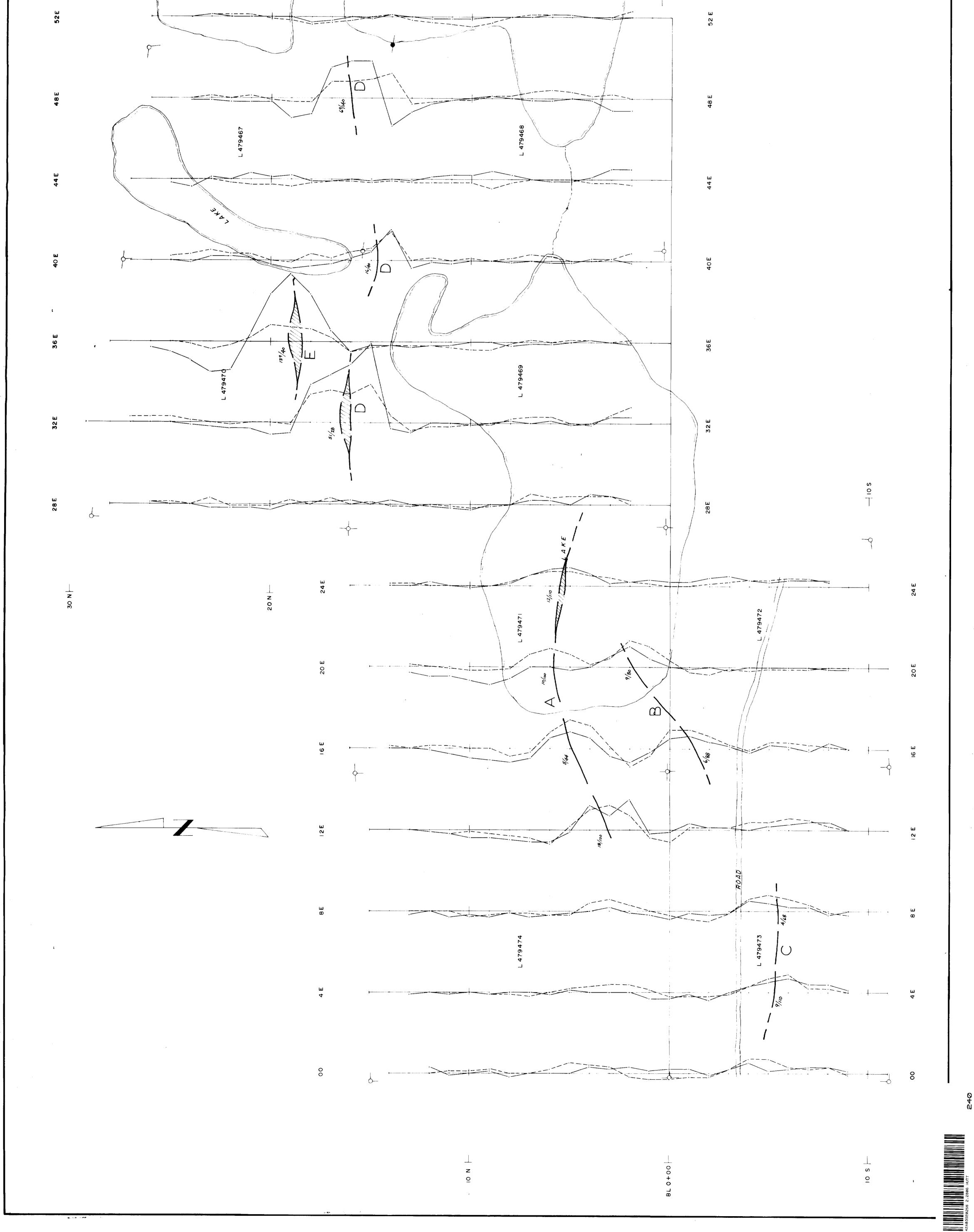
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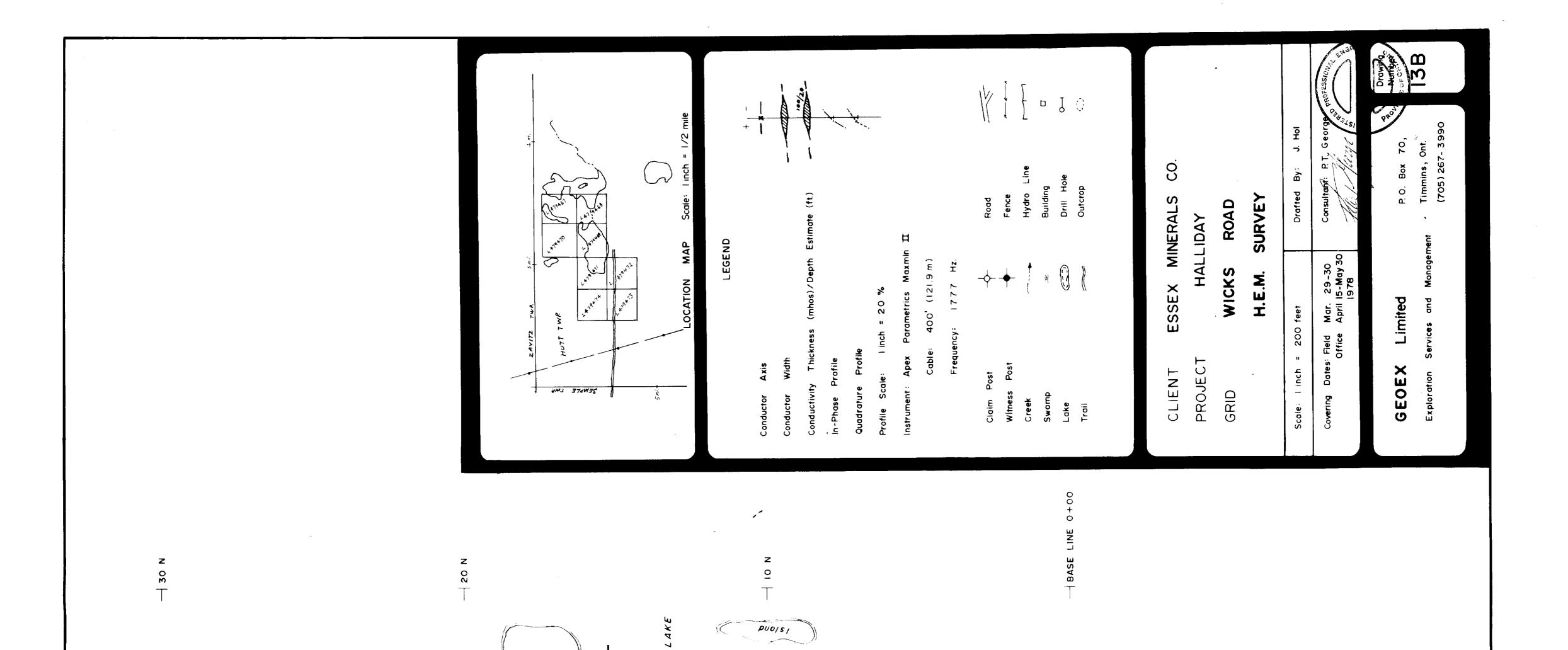
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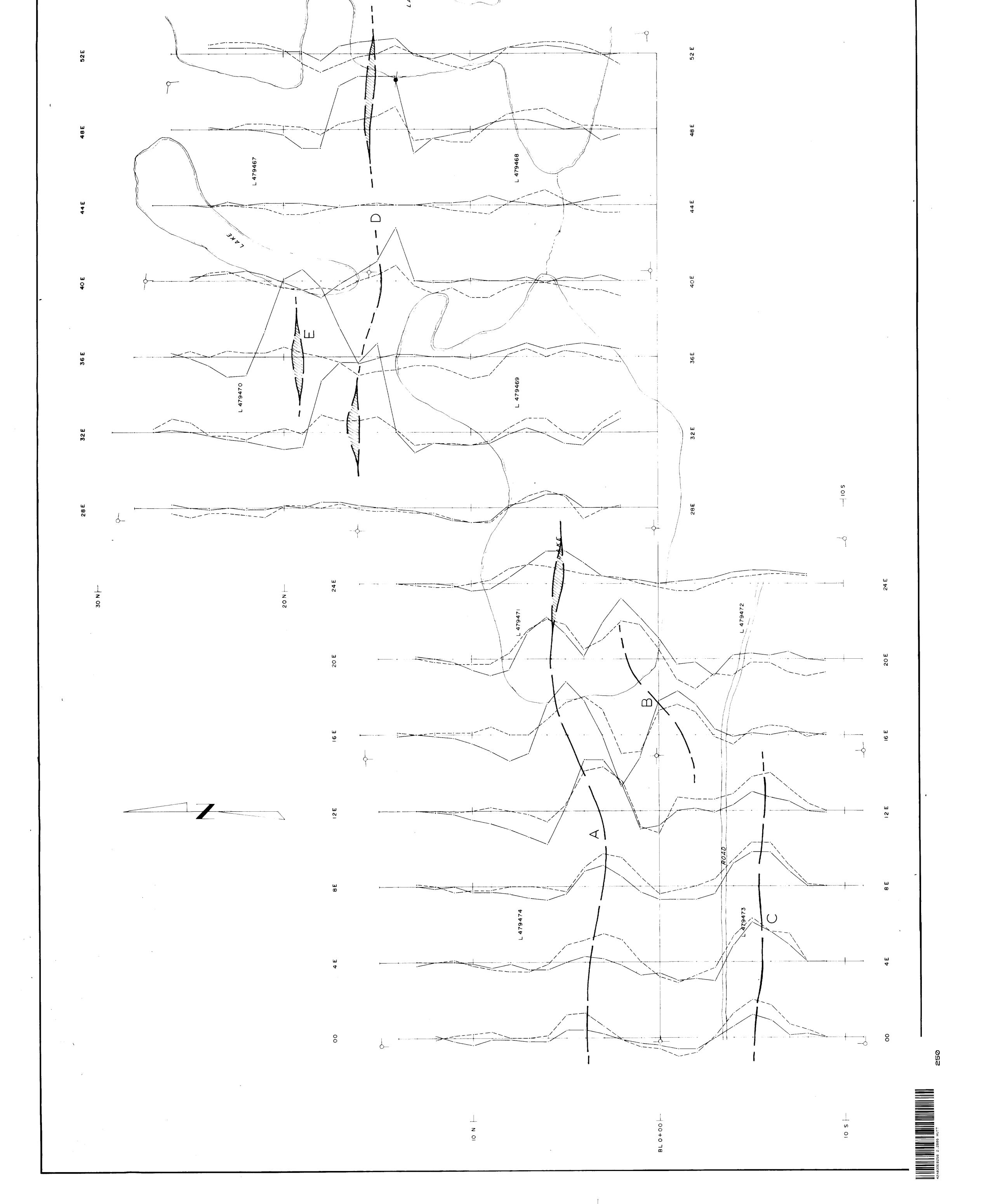
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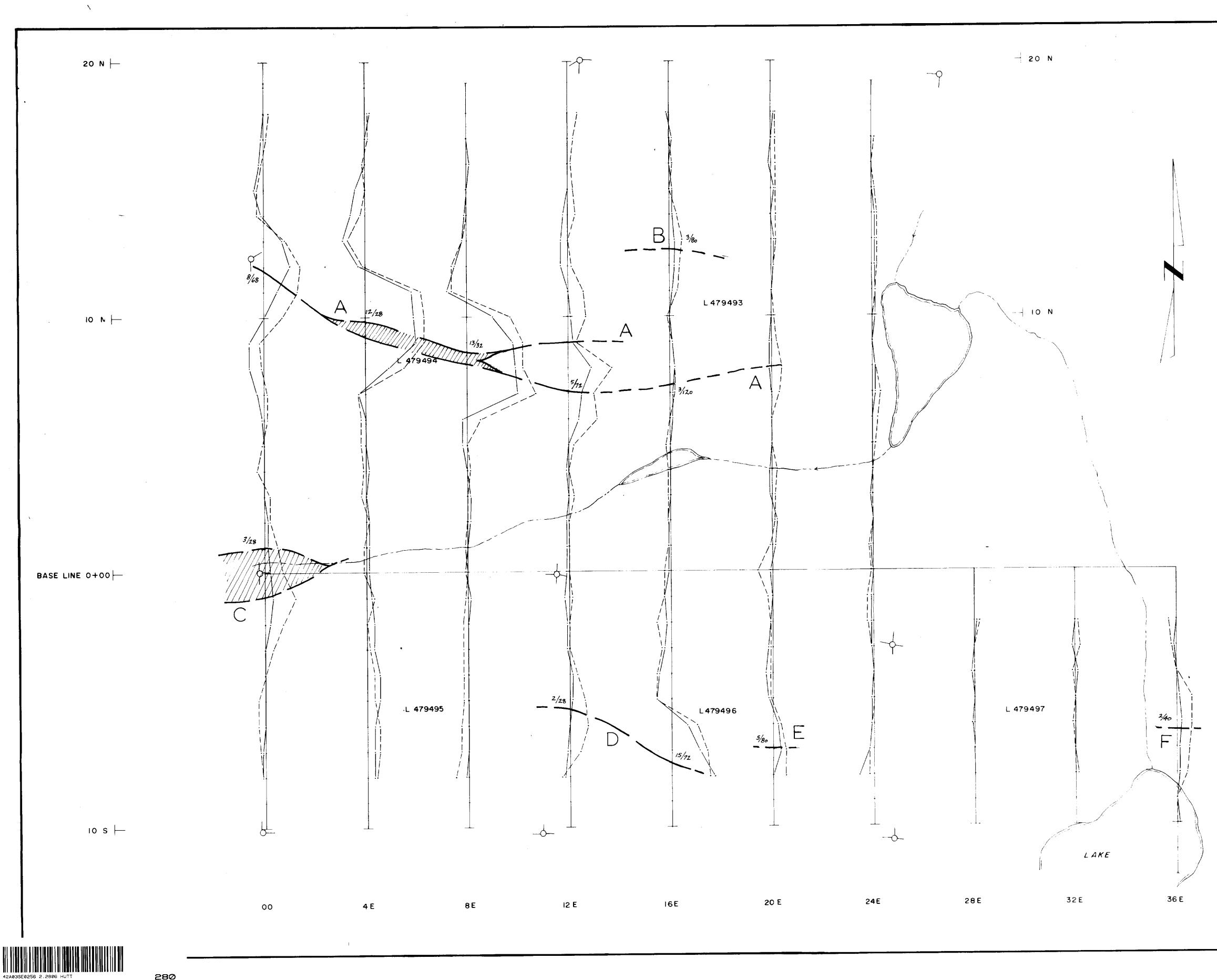




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	LOCATION MA	The state of the s	
	LEGEI	ND	
	Conductor Axis	+ ¥	
	Conductor Width		
	Conductivity Thickness (mhos)/Depth	Estimate (ft.)	
	In-Phase Profile	×.	
	Quadrature Profile	A Company of the second s	
•	Profile Scale: Linch = 20 %	1	
	Instrument: Apex Parametrics Maxmir		
	Cable: 400'(121.9 m) Frequency: 444 Hz.		
	Claim Post	Road	
	Witness Post	Hydro Line	
0+00	Swamp 🖳 👱	Building 🕀	
		Drill Hole 9 Outcrop (C)	
	Trail		
	CLIENT ESSEX MI	NERALS CO.	
	PROJECT HALL	IDAY	
	GRID UPPER REC	WING LAKE	
	H.E.M. SURVEY		
	Scale: 1 inch = 200 feet	Drafted By: J. Hol	
	Covering Dates: Field April 5	Consultanter P.T. George P. L. GEORGE	
s	Covering Dates: Field April 5 Office April 15-May 30 1978		
		E Drawing	
	GEOEX Limited	P.O. Box 70,	
	Exploration Services and Manager	Timmins, Ont. 16A (705) 267- 3990	

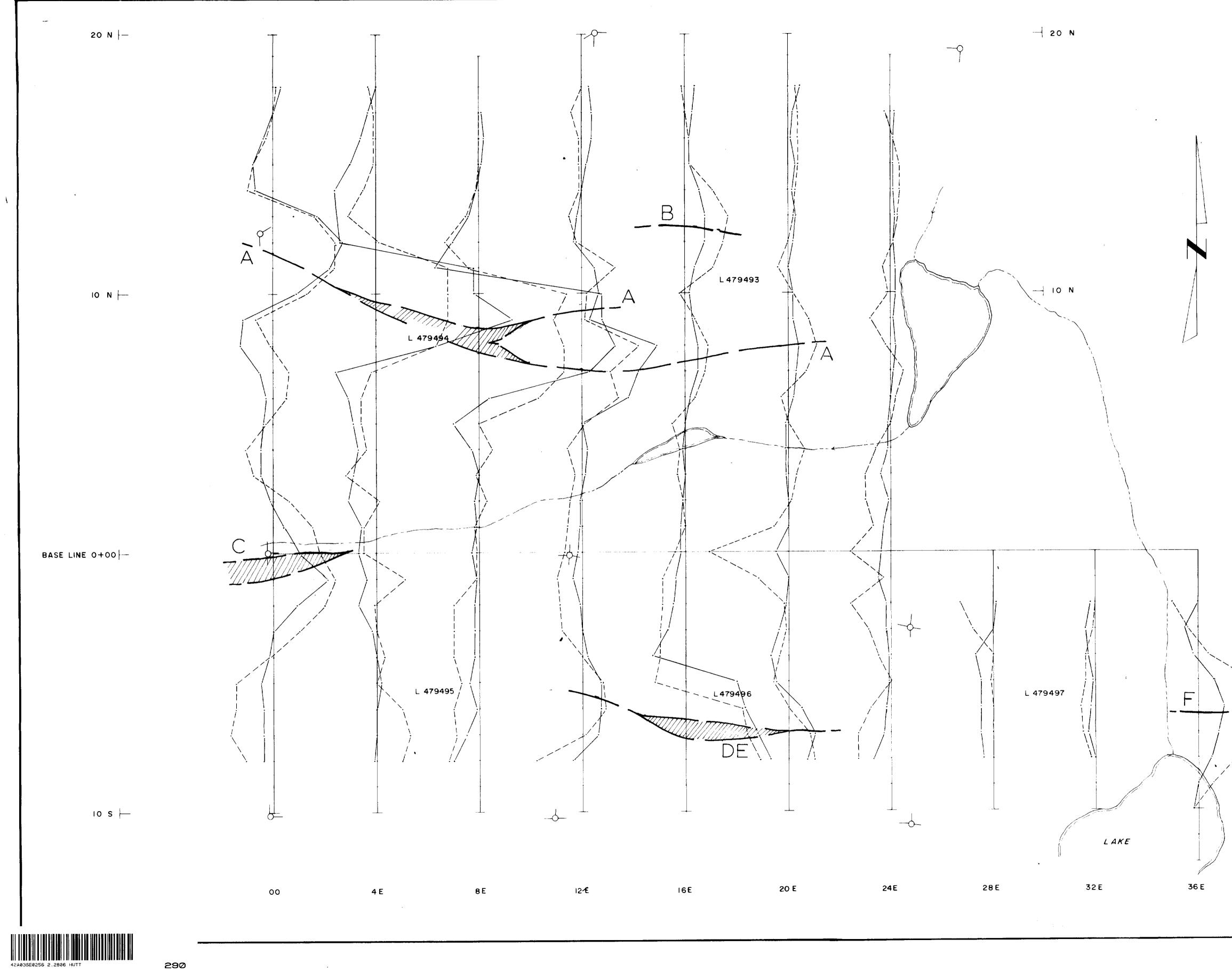
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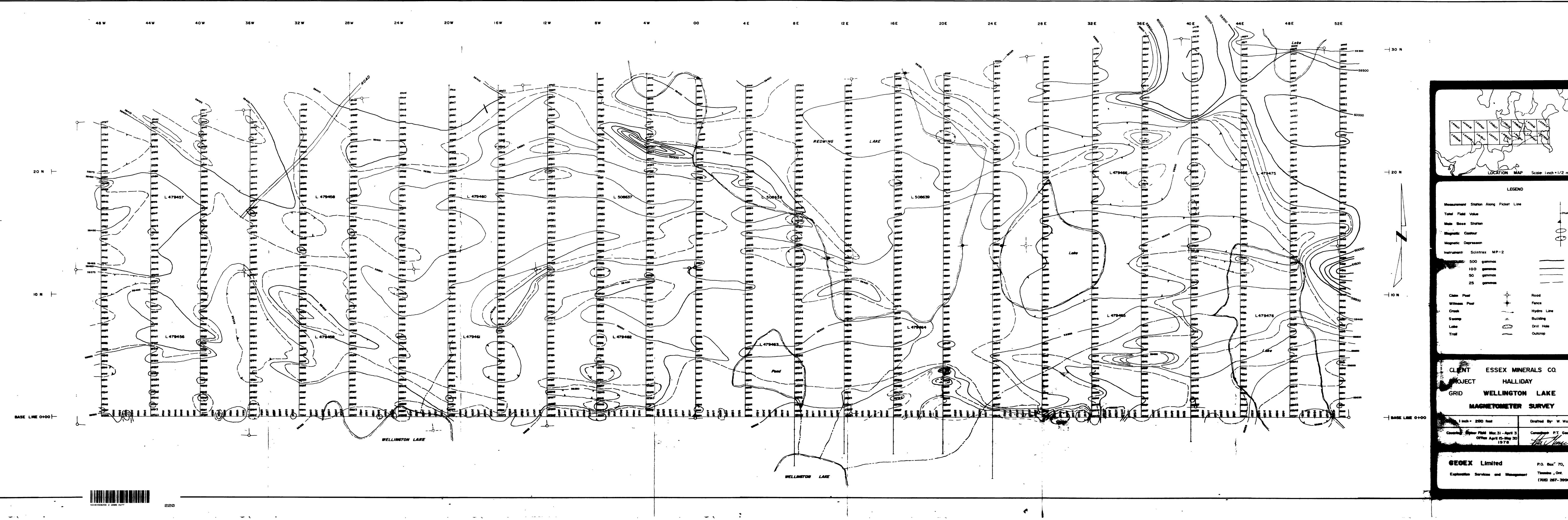
		TATION TATION	dink 3302 Linew Scale: 1 inch = 1/	⁷ 2 mile
		LEGEND		
	Conductor Axis Conductor Width Conductivity Thickness (mhos)/C In-Phase Profile		rimate (ft.) —	
	Quadrature Profile			
	Profile Scale : inch = 20 %			
	Instrument: Apex Parametrics	Maxmin II	ſ	
	Cable: 400'(121.9	m)		
	Frequency: 1777 H	Z .		
:	Claim Post	ф-	Road	====
	Witness Post	↓ ∳	Fence	xx
ł	Creek	• • • • ••	Hydro Line	
+00	Swamp	¥	Building	
	Lake C		Drill Hole	01
	Trail		Outcrop	
	CLIENT ESSEX	MINE	RALS CO.	
	PROJECT H		YA	
		REDV	WING LAKE	
	H.E.N	N. SL	JRVEY	
Scale: Linch = 200 feet Dro			Drafted By: J	Hol RED PROFESSION
	Covering Dates: Field April 5 Office April 15-M 1978		Consultant: P.T.	George P. T. GEORGE
	GEOEX Limited	Managemei	P.O. Box 70 Timmins, On	
	Exploration Services and		(705) 267-3	

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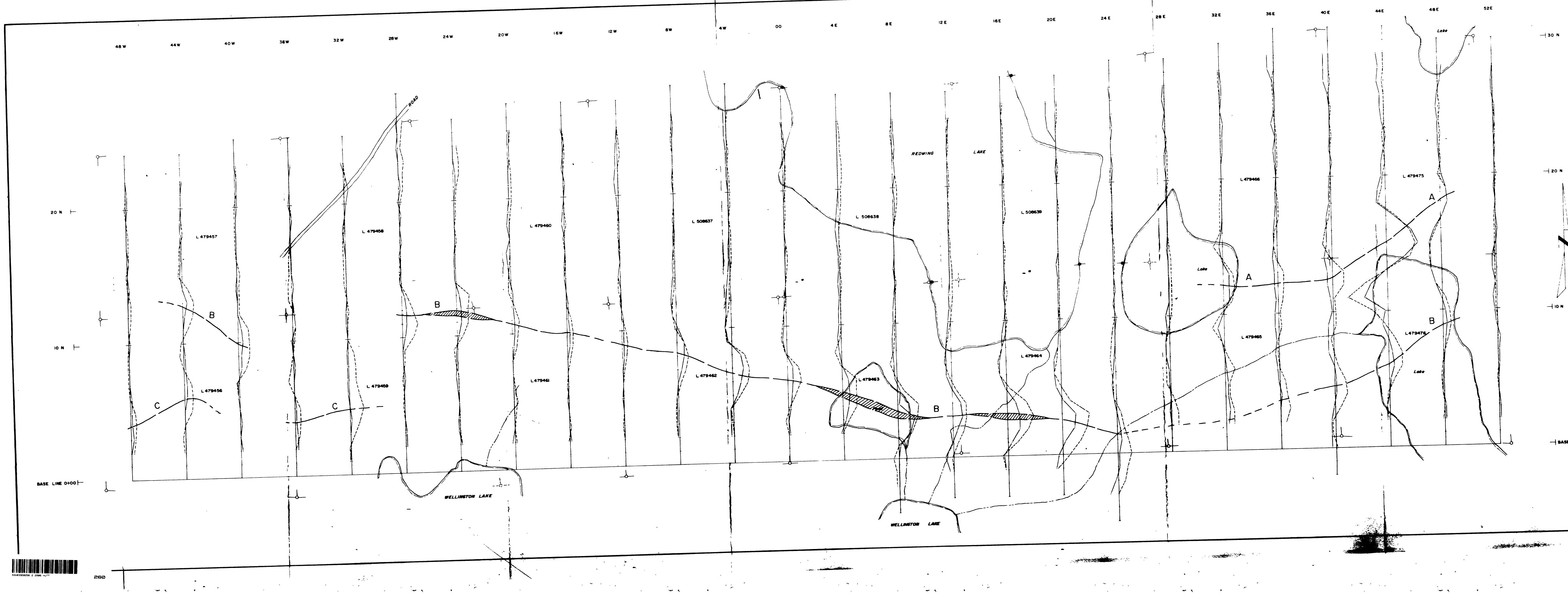
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LEGEND	
Conductor Axis Conductor Width Conductivity Thickness (mhos)/Depth Esti In-Phase Profile Quadrature Profile Profile Scale: inch = 20 % Instrument: Apex Parametrics Maxmin II Cable: 400' (121.9 m) Frequency 444 Hz.	
Cialm Post	Road
Witness Post	Fence
Creek	Hydro Line
Swamp *	Drill Hole O
	Outcrop
CLIENT ESSEX MIN	,
PROJECT HALL	
GRID WELLINGTON	LAKE
H.E.M. S	
Scale: 1 inch = 200 feet	Drafted By: J. Hei
Covering Dates: Field Mar 31-April 3 Office April 15-May 30 1978	Content: P.T. Goorge profession.
GEOEX Limited Exploration Services and Manage	P.0 Bex 70, Timmins, Ont. (705) 267-3990

