010

REPORT

ON

GROUND MAGNETOMETER AND VLF-EM SURVEYS

ON THE

OCHIG LAKE PROPERTY

DISTRICT OF KENORA, PATRICIA MINING DIVISION

NORTHWESTERN ONTARIO

FOR

POWER EXPLORATIONS INC.

August 1987

Robert E. Gillick, M.Sc.

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1.0 SUMMARY

A magnetically active band striking easterly to north easterly through the southern part of the Ochig Lake property, may indicate the presence of discontinuous iron formation or magnetiferous metavolcanics/metasediments.

Eleven VLF conductors form four southeast trending systems interpreted to be zones of shearing. Ten other conductors may represent sulphide/graphite horizons or shears parallel to stratigraphy.

Shear/fault zones can provide pathways for gold-bearing hydrothermal fluids. Gold localization can occur along the shears or faults or along brittle stratigraphic horizons such as iron formation, crosscut by structures.

Those conductors interpreted as being possible zones of massive sulphide are considered to have potential for base metal as well as gold mineralization.

Horizontal loop surveying is recommended over selected parts of the property to further define VLF conductive zones. In addition, detailed magnetometer surveying is recommended over areas which appear to be structurally disturbed. The total cost of the recommended work is $30,120.00.

2.0 INTRODUCTION

The following report describes ground magnetometer and VLF-EM surveys carried out over the Ochig Lake property of Power Explorations Inc. in northwestern Ontario during April 1987 (Fig. No. 1).

3.0 PROPERTY DESCRIPTION, LOCATION AND ACCESS

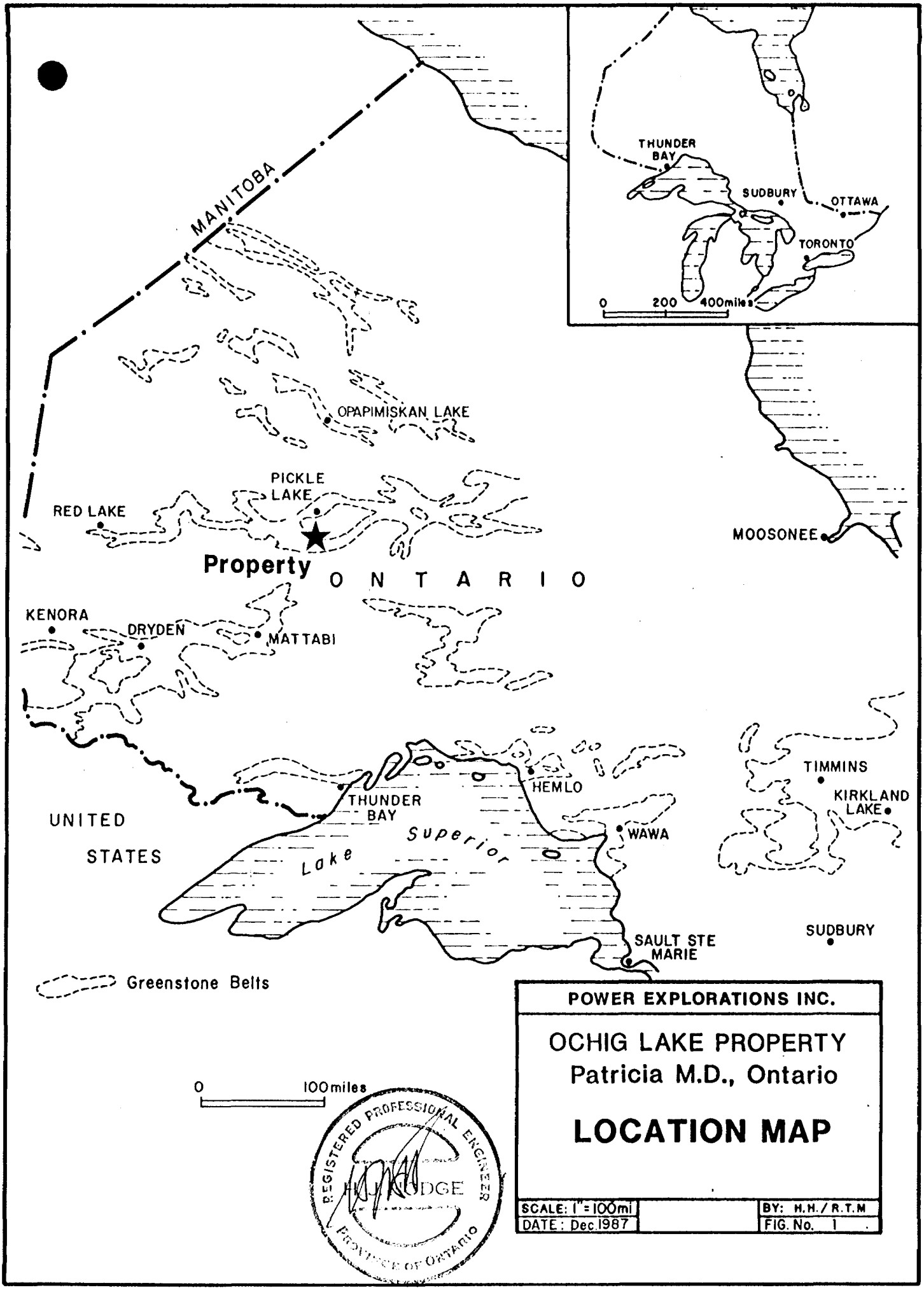
The Ochig Lake property consist of a block of 62 contiguous unpatented mining claims located in northwestern Ontario approximately 12 miles (20 kilometers) due south of the town of Pickle Lake (Fig. No. 2).

The block is comprised of the following claims (Fig. No. 2).

Claim Number		Recording Date
Pa 893308-893324 inclusive	(17)	October 21, 1986
Pa 893948-893969 inclusive	(22)	October 21, 1986
Pa 903474-903483 inclusive	(10)	October 21, 1986
Pa 903609-903621 inclusive	(13)	October 21, 1986

Total 62 Claims

The property can be accessed by ski or float-equipped aircraft from Pickle Lake to a small unnamed lake located just to the northeast of Kasagimminis Lake. The west boundary of the property is located about 1,500 feet from the eastern shore of this lake. Alternatively, one can proceed via Highway 599 to its intersection with the north boundary of the Osnaburgh Indian Reserve 63B (approximately 13.5 miles from Pickle Lake). By walking westward along the reserve boundary, the east boundary of the Ochig Lake property will be reached after about 1/2 mile.



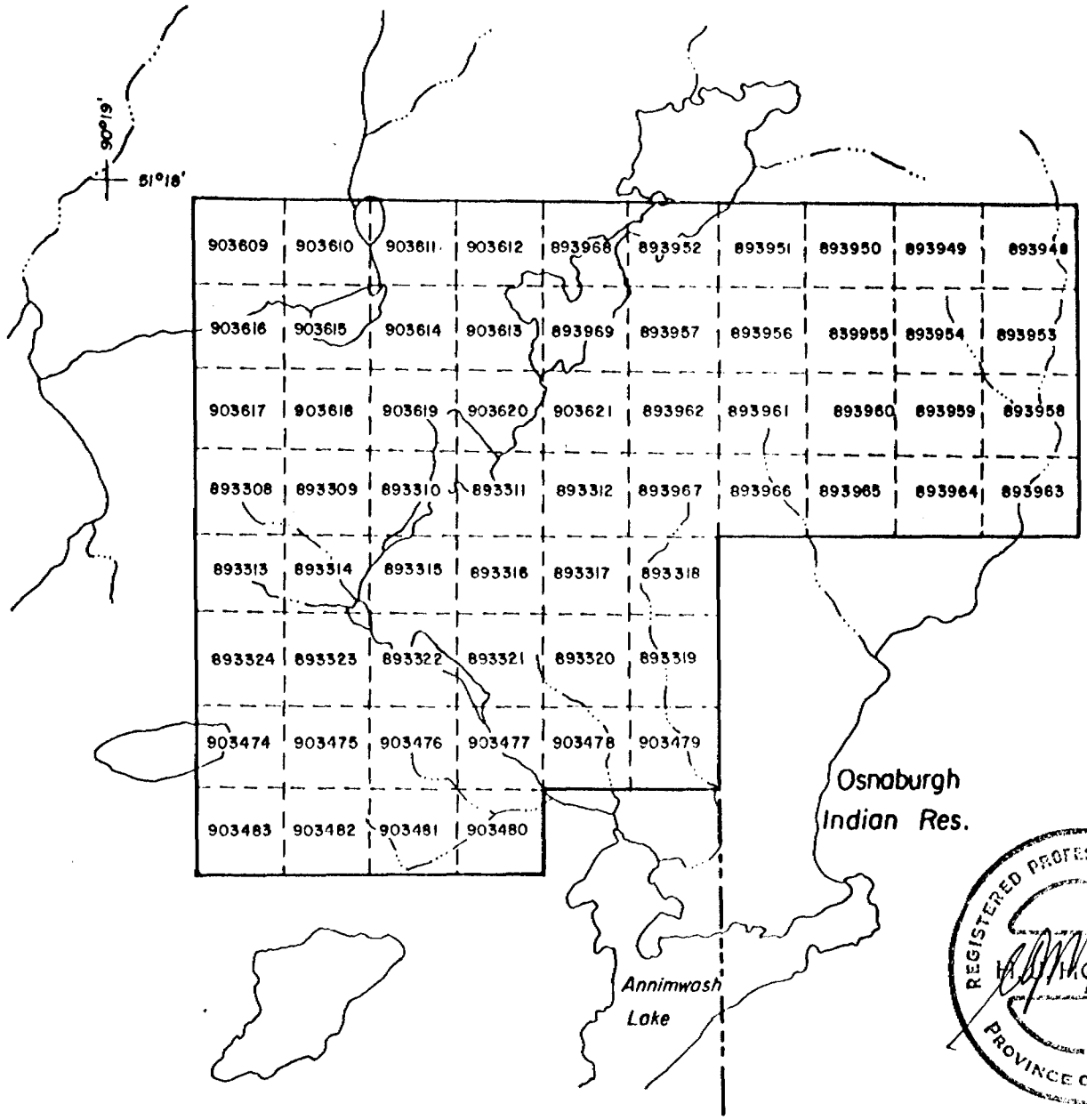
REGISTERED PROFESSIONAL ENGINEER
H.J. HODGE
PROVINCE OF ONTARIO

POWER EXPLORATIONS INC.

OCHIG LAKE PROPERTY
Patricia M.D., Ontario

LOCATION MAP

SCALE: 1" = 100mi		BY: H.H. / R.T.M
DATE: Dec.1987		FIG. No. 1



REGISTERED PROFESSIONAL ENGINEER
H. HARDGE
PROVINCE OF ONTARIO

POWER EXPLORATIONS INC.

OCHIG LAKE PROPERTY

Patricia M.D., Ontario

CLAIM SKETCH

GEOCANEX	GEOCANEX LTD TORONTO, CANADA	BY: H.H. / R.T.M. DATE: DEC. 1987 SCALE: 1" to 2640' FIG. NO.: 2

4.0 TOPOGRAPHY AND VEGETATION

About 50% of the Ochig Lake property is covered by low-lying muskeg or swamp. Vegetation in the low-lying areas is predominantly spruce and Labrador tea with cedar and alder occurring in the very wet areas.

A northeast trending esker strikes through the southeast part of the property. Sand covered hills are located in the central and western parts of the grid. Vegetation in these areas is predominantly spruce, but includes stands of birch and poplar.

5.0 PREVIOUS WORK

There are no filed reports of previous work on the area covered by the Ochig Lake claims. In the early 1970's, however, Inco and UMEX carried out diamond drilling of EM conductors to the east and west of the Ochig Lake property.

In 1986, an airborne magnetic and electromagnetic survey was carried out by Geoterrex in the Pickle Lake area under the auspices of the Ontario Geological Survey. The Ochig Lake property was included in the area covered by the survey.

6.0 REGIONAL GEOLOGY AND ECONOMIC MINERALIZATION

The Pickle Lake area is located within the Uchi Subprovince, a part of the Superior Province of the Canadian Shield. The area is characterized by several arcuate, highly deformed and coalescing greenstone belts, consisting of predominantly

mafic to intermediate volcanic flows, which have been intruded by numerous granitic to ultramafic intrusive bodies. The metamorphic grade ranges from greenschist-to-amphibolite facies. The volcanics host subordinate amounts of felsic to mafic pyroclastics, sediments and iron formation. Felsic quartz-feldspar porphyry dykes are commonly found in all lithologies (Fig. No. 3).

Ultramafic rocks host copper-nickel mineralization at the Union Miniere Thierry Mine, seven miles northwest of Pickle Lake, with mined ore and mineral reserves totalling 14,000,000 tons grading 1.6% copper and 0.2% nickel.

Historically, gold production in the Pickle Lake area has been from structurally controlled vein type deposits or sulphide replacement bodies spatially associated with, or contained within, bands of Algoman (chert-magnetite) iron formation.

The former producing Pickle Crow and Central Patricia mines operated from 1935 to 1966 and 1934 to 1951, respectively, collectively producing 2,068,020 ounces of gold from 4,966,820 tons or ore for an average grade of 0.416 ounces of gold per ton. Gold was recovered from quartz veins, vein networks and sulphide replacement bodies which occupied shears, faults, fissures and fold axial plane fractures in highly deformed mafic volcanics and iron formation. Gold-bearing quartz veins were also mined within quartz-albite porphyry sills near the contact of mafic volcanics and iron formation.

Dome Mines' Dona Lake property has reported reserves of 1,500,000 tons grading 0.3 ounces of gold per ton. Gold mineralization occurs as sulphide replacement bodies within a band of highly deformed oxide facies iron formation (Northern Miner, September 1986).

St. Joe Canada's Golden Patricia property is reported to have an estimated 500,000 ounces of gold reserves with a grade of 0.58 ounces of gold per ton. The gold mineralization occurs in a quartz vein at a contact between a mylonitized unit and sheared mafic volcanics in close proximity to banded iron formation (Northern Miner Magazine, September 1986).

7.0 PROPERTY GEOLOGY

Outcrop occurs on 1-2% of the property and most of the exposure is confined to the western half of the grid.

Detailed mapping of the property indicates that it is underlain predominantly by mafic to intermediate tuffs intercalated with clastic metasediments. Felsic tuffs are also common in the western central part of the grid (Fig. No. 3).

A band of mafic to intermediate volcanic flows strikes easterly to northeasterly through the southern part of the property. This band strikes along a magnetically active trend suggesting the presence of iron formation or magnetite-rich units within the volcanics.

No significant mineralization was noted on the property. A number of quartz veins were located and sampled in the northern and western parts of the grid. Assays for approximately half these samples were available at the time

GEOLOGY LEGEND

- Geological boundary
- Diabase dykes (Keewanawan) — 7
- Granitic intrusives — 6
- Mafics, ultramafic intrusives — 5
- Migmatites — 4
- Intermediate to felsic volcanics — 3
- Mafic volcanics — 2
- Sediments — 1
- Mineral occurrence
- Mine, past producer — A
- Iron formation

Geology from Ontario Geological Survey
Misc paper 199, 1984
Stott G.M. & Wallace H.
and Map 2218, Cat Lake - Pickle Lake,
Sage et al, 1972

LOCATION MAP

MINES, PAST PRODUCER

- A Central Patricia No.1
- B Central Patricia No.2
- C Pickle Crow No.1
- D Pickle Crow No.2
- E Albany River
- F Crowshore
- G LYNX Cherry Mine

GOLD PRODUCTION

MINE PROPERTY	TONS	OZS GOLD	OZ/TON
Central Patricia	729,248	621,806	0.359
Pickle Crow	3,237,572	1,446,214	0.44
Total	4,966,820	2,068,020	0.416

Golden Patricia Discovery
860,000 tons at 0.58 oz/ton Au

Dona Lake Discovery
1,400,000 tons at 0.24 oz/ton Au

Hasaga
200,000 tons at 0.19 oz/ton Au

Property

Scale 1 inch = 4 miles

REGISTERED PROFESSIONAL ENGINEER
R.T.M. HODGE
PROVINCE OF ONTARIO

POWER EXPLORATIONS INC.

OCHIG LAKE PROPERTY
Patricia M.D., Ontario
PROPERTY LOCATION AND REGIONAL GEOLOGY

GEOCANEX	GEOCANEX LTD TORONTO, CANADA	BY: R.T.M. DATE: Dec 1987 SCALE: 1" = 4 mi FIG. No:

of preparation of this report and no significant gold values were noted.

8.0 DESCRIPTION OF GEOPHYSICAL PROGRAM

Between the dates of April 1 and April 8, 1987, inclusive, 38.9 miles of line were cut over the Ochig Lake property.

A baseline oriented east-west was cut across the central part of the property and crosslines oriented perpendicular to the baseline were cut at 400 foot intervals to cover the claim block. Pickets were erected along all crosslines and the baseline at 100 foot intervals.

The personnel involved in the linecutting were:

J. Rubert	Amos, Quebec
R. LeMay	Amos, Quebec
R. Moran	Val d'Or, Quebec
M. Larrivierre	Amos, Quebec
D. Brosseau	Amos, Quebec
S. Murdock	Sioux Lookout, Ontario

Magnetometer and VLF-EM surveys were carried out on the property between the dates of April 2 and 8, 1987, inclusive. Surveyed mileages were:

Magnetometer Survey	33.52
VLF-EM Survey	33.52

The personnel involved in the geophysical surveys were:

F. Recoskie	Magnetometer Survey	Pickle Lake, Ontario
R. Carpenter	VLF-EM Survey	Sioux Lookout, Ontario

The magnetics survey was performed using a Scintrex MF-2 fluxgate magnetometer. Readings of the vertical magnetic field were taken along all grid crosslines at a nominal station spacing of 100 feet. Intermediate readings (50 feet) were taken over anomalous zones. Drift/diurnal changes were estimated by rereading previously established stations located along the grid baseline at time intervals not exceeding 1.5 hours.

The VLF-EM survey was carried out using a Geonics EM-16 receiver tuned to receive the 24.0 kHz signal transmitted from Cutler, Maine, or the 24.8 kHz signal transmitted from Seattle, Washington. Readings of percent tilt (inphase) and quadratures were taken at 100 foot intervals along all grid crosslines while facing in a northerly direction.

9.0 RESULTS AND INTERPRETATION

The magnetics survey has defined a band of high susceptibility rocks striking easterly and northeasterly through the southern and eastern parts of the grid. Magnetic units along this band appear to be fault offset or folded in places. Magnetic anomalies along the trend are narrow and sharp. Vertical field amplitudes average about 1,500 gammas above background, however, several peaks in the southwestern part of the property achieve amplitudes of over 9,000 gammas.

This band of magnetically active rocks follows a narrow mapped zone of intermediate to mafic volcanic flows. Although no iron formation was mapped along the trend, the magnetic intensity in several areas suggests the possible presence of narrow discontinuous seams of magnetite. It is possible, however, that the magnetic trend is due to magnetite-rich units of mafic volcanic rock.

A second zone of magnetically active rocks occurs in the northwest corner of the grid. The magnetic anomaly in this area forms the eastern extremity of a regional magnetic ridge which strikes along the southern limit of the volcanic belt between the Ochig Lake Pluton and the Kasagiminnis Lake Pluton. It is probable that this magnetic trend represents a band of mafic volcanics. On the Ochig Lake property, the zone appears to be fault-bounded to the southwest and east. It is possible that the feature has been dragged southwards onto the property from its regional east-west trend by shearing and/or regional folding.

The VLF-EM survey has delineated numerous conductors. At least 21 of these have been interpreted as having a probable bedrock location.

Conductors A, B, C and D appear to form part of a single conductive trend striking southeasterly along the southwest flank of the magnetic zone described above and continuing off the property to the southeast.

Inphase amplitudes range from 50-60% peak-to-peak along sections of Conductors A, B and C to 8% along Conductor D. Anomaly signatures are generally well-shaped. The trend appears to be disjointed in at least three areas possibly due to crosscutting faults.

The trend (A, B, C and D) is interpreted to be a southeast striking shear.

Conductors E, F and G strike southeasterly from L80W, 10+00N to L36W,24+00S. The conductors appear to represent a single discontinuous conductive trend crosscutting regional strike. Inphase anomaly amplitudes are variable in amplitude and signature although responses are generally well-defined and sharp. There is no apparent magnetic association with the conductors. The zone is interpreted to a shear similar to conductor system A, B, C and D.

Conductors H, I, J, K and L strike easterly from L80W south of the baseline. The conductors have been grouped together due to similarity in their strikes and anomaly signatures. Inphase responses are moderate to large in amplitude (up to 73% peak-to-peak) and accompanied by weak 'same polarity' quadrature deflections. None of the conductors has magnetic correlation. The conductors may represent sulphide zones within the volcanics or shears along regional strike.

Conductors M and N - strike easterly from L76W to L32W and from L20W to L4W, respectively. The conductors produce responses which are similar in amplitude and signature and although there is a 1,200 foot gap between them, they appear to represent a single conductive horizon. Magnetic correlation is generally weak along the system except at the western end of Conductor M, where the conductor axis strikes along a 600 gamma magnetic ridge for about 800 feet. The conductors lie within a metasedimentary-metavolcanic assemblage to the south of the volcanic flow centre defined by the band of active magnetics. The system is interpreted as a graphite or sulphide horizon.

Conductor O strikes east northeasterly from L28W to L00 at approximately 15+00S. The conductor produces generally poorly-shaped inphase responses of variable amplitude. This conductor appears to lie within the zone of volcanic flows and may have a flanking relationship to a narrow magnetic ridge just to the northwest. The conductor may represent a weak sulphide unit within the volcanics.

Conductors P, Q, and R strike southeasterly from L40W to L8W in the northern part of the grid. These conductors are interpreted to be segments of a single, discontinuous conductive horizon. Inphase responses are moderate to large in amplitude (up to 110% peak-to-peak) and reasonably well-shaped. The conductors have no magnetic correlation. The conductive system crosscuts stratigraphy and is interpreted as a shear.

Conductors S and T strike northeasterly from L8W to L16E at about 15+00N. Inphase responses over both conductors are moderate to large in amplitude and well-shaped. The eastern portion of Conductor T may have been drag folded to the southeast by the interpreted shear represented by Conductors P, Q and R. Conductors S and T have no magnetic correlations and may be pyritic units within the volcanics.

Conductor U strikes east southeasterly from L12W to L44E in the north part of the property. The conductor produces variably-shaped VLF responses of moderate amplitude. The conductor appears to crosscut the strong magnetic trend at the eastern end of the property terminating several strong magnetic ridges. Conductor U is interpreted to be a shear.

10.0 CONCLUSIONS AND RECOMMENDATIONS

The results of the magnetometer survey suggest that a band of volcanic flow rocks striking easterly to northeasterly through the property may contain discontinuous iron formation or magnetiferous metavolcanics/metasediments.

Twenty-one VLF-EM conductors interpreted as having a bedrock location have been delineated. Eleven of these conductors form four southeast trending systems which cut across regional strike. These are believed to be shear systems. The other ten conductors may represent sulphide/graphite zones or shears parallel to stratigraphy.

Shear zones can provide pathways for gold-bearing hydrothermal fluids. Gold localization can occur along the shear or brittle stratigraphic horizons, such as iron formation, cut by the shear. Hence, those conductors interpreted as shears on the property are considered to have potential for gold mineralization.

Those conductors interpreted as being possible zones of massive sulphide, are considered to have base metal and/or gold potential.

Due to the inherent uncertainty in the nature of VLF conductors located in overburden covered areas, the following work is recommended to further define some of the conductive zones:

a) HLEM surveying (Max-Min II) should be carried out from L80W to L00 on the portion of the grid south of the baseline.

b) HLEM profiles should be taken on L00 and L8E across Conductors S and T.

c) HLEM profile should be taken on L76W from 50+00N to 0+00.

d) HLEM profile should be taken on L36W from 48+00N to 30+00N.

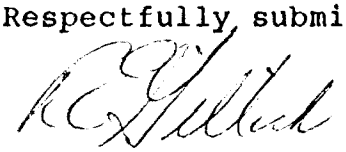
In addition, detailed magnetometer surveying is recommended over portions of the magnetically active zones to further investigate for the presence of iron formation as well as obtain better definition of crosscutting features. The zones chosen for the detailed surveying are outlined on Map OG-2. Lines spaced at 100 foot intervals should be established over these zones and close-spaced (10' or 20') magnetic readings taken along them.

Diamond drilling should be carried out in areas deemed favourable from the results of the above recommended work.

11.0 ESTIMATED COST OF RECOMMENDED PROGRAM

HLEM Surveying:	
15 miles at $300/mile	$ 4,500.00
Linecutting:	
28 miles at $350/mile	$ 9,800.00
Detailed Magnetometer Surveying:	
36 miles at $300.00	$10,800.00
Contingency 20%	$ 5,020.00
Total	$30,120.00

Respectfully submitted,



Robert E. Gillick, M.Sc.
Geocanex Ltd.

12.0 REFERENCES

Higginson, R. et al. Preliminary Geology Map - Ochig Lake Property.

Ontario Geological Survey, 1986. Airborne Electromagnetic and Total Intensity Magnetic Survey, Pickle Lake Area, District of Thunder Bay, Ontario by Geoterrex Limited for O.G.S., Geochemical/Geophysical Series, Maps 80916 and 80917.

Pearson and Woolham. Report on Properties of Power Explorations Ltd.

Sage, R.P. and Breaks, F.W. Report 207 - Geology of the Cat Lake - Pickle Lake Area. Districts of Kenora and Thunder Bay.

APPENDIX A

CERTIFICATE OF QUALIFICATIONS

CERTIFICATE OF QUALIFICATIONS

THIS IS TO CERTIFY THAT:

I am a resident of 366 Wickstead Avenue, North Bay, Ontario.

I hold an M.Sc. diploma (1979) in Applied Geophysics from McGill University.

I have been involved in the mining industry and mineral exploration for the past twelve years.

I have disclosed all relevant available information in the preparation of this report.

DATED THIS 13th DAY OF NOVEMBER, 1987.

Robert E. Gillick, M.Sc.
Geophysicist

APPENDIX B

TECHNICAL DATA STATEMENT

Ministry of Northern Development and Mines

Ontario

Geophysical-Geological-Geochemical Technical Data Statement

File _____

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(s) Geophysical

Township or Area Little Ochig Lake Area G-3104

Claim Holder(s) Power Explorations Inc. M5C 1E5
1003-34 King Street East, Tor.Ont.

Survey Company Geocanex Ltd.

Author of Report Robert E. Gillick ~~P1A 3L8~~

Address of Author 366 Wickstead Ave., North Bay, Ont.

Covering Dates of Survey April 1 - April 8, 1987
(linecutting to office)

Total Miles of Line Cut 38.9

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

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

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

DATE: Dec 12th/87 SIGNATURE: _____
Author of Report or Agent

Res. Geol. _____ Qualifications 2.4567

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

See Attached Sheet
(prefix) (number)

If space insufficient, attach list

TOTAL CLAIMS 62

OFFICE USE ONLY

837 (85/12)

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS - If more than one survey, specify data for each type of survey

Number of Stations 1770 Number of Readings 2212

Station interval 100 Feet (50 feet) Line spacing 400 Feet

Profile scale 1"=40°

Contour interval 25,100 gammas

MAGNETIC

Instrument Scintrex MF-2 Fluxgate Magnetometer

Accuracy - Scale constant ±10 Gammas on lowest range scale

Diurnal correction method Looping Method

Base Station check-in interval (hours) 1.5 Hours

Base Station location and value Various

ELECTROMAGNETIC

Instrument Geonics EM-16

Coil configuration Horizontal

Coil separation Infinite

Accuracy In-Phase: ±1%; Quadrature ±2%

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

Frequency 24.6 KHZ (Cutler, Maine)
(specify V.L.F. station)

Parameters measured In-Phase (%Tilt) and Quadrature

GRAVITY

Instrument

Scale constant

Corrections made

Base station value and location

Elevation accuracy

INDUCED POLARIZATION RESISTIVITY

Instrument

Method ☐ Time Domain ☐ Frequency Domain

Parameters - On time Frequency

- Off time Range

- Delay time

- Integration time

Power

Electrode array

Electrode spacing

Type of electrode

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

_____

Corrections made _____

_____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(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 _____

OCHIG LAKE AREA PROPERTY

POWER EXPLORATIONS INC.

MINING CLAIMS TRAVERSED

Pa 893308	Pa 893948	Pa 903474	Pa 903609
893309	893949	903475	903610
893310	893950	903476	903611
893311	893951	903477	903612
893312	893952	903478	903613
893313	893953	903479	903614
893314	893954	903480	903615
893315	893955	903481	903616
893316	893956	903482	903617
893317	893957	903483	903618
893318	893958		903619
893319	893959		903620
893320	893960		903621
893321	893961		
893322	893962		Total 62 Claims
893323	893963		
893324	893964		
	893965		
	893966		
	893967		
	893968		
	893969		

APPENDIX C

ROCK SAMPLE DESCRIPTIONS AND ASSAYS

LITTLE OCHIG

GRAB SAMPLE DESCRIPTIONS

Sample No.	Assay No.	Location	Description	Assay Au ppb
LO-1	1059	06+70S,50+25W	24" granite pegmatite dyke 2-3% lepidolite mica	<5
LO-2	1060	06+80S,48+30W	6" QV, clean, int. tuff	<5
LO-3	1061	18+40S,41+00W	6" QV, in siltstone	<5
LO-4	1062	18+90S,40+00W	metased. band, 2-3% po., lim. staining	25
JD-LO-01	1063	13+00N,35+00W	fine grained intermediate tuff with approx. 3-5% cc.	<5
JD-LO-02	1064	13+00N,35+00W	3" quartz vein in felsic & int. tuff, no visible mineralization	<5
JD-LO-03	1065	13+00N,35+00W	fine grained felsic tuff, 3-5% cc., 0.5-1% py, minor limonite staining, blue quartz eyes are 2 mm diameter	<5
JD-LO-04	1066	13+00N,35+00W	Float - as per 1065 with cross-cutting quartz veins	<5
JD-LO-05	1067	15+50N,32+00W	as per 1065 with 0.5-1% pyrite	<5
JD-LO-06	1068	33+50N,27+75W	as per 1063	<5
JD-LO-07	1069	33+25N,27+50W	as per 1065	<5
JD-LO-08	1070	25+00N,27+00W	intermediate fine grained tuff with trace-0.5% pyrite	<5
JD-LO-09	1071	25+00N,27+00W	felsic tuff, fine grained, trace-0.5% pyrite	<5
JD-LO-10	1072	32+00N,26+00W	qtz vein, average 2" in width with 2-3% cc. Trends 67° and is vertical	<5
JD-LO-11	1073	29+50N,27+00W	qtz.-tourmaline vein, average 3" in width occurring in intermediate tuffs. Minor cc. present. Occurs parallel to foliation.	<5
JD-LO-12	1074	28+00N,18+00W	felsic volcanic (med. grained) within intermediate tuffs, trace-0.5% pyrite	<5
JD-LO-13	1075	28+00N,17+85W	fine grained intermediate to mafic tuff with trace-0.5% py, 1-2% cc.	5

LITTLE OCHIG

GRAB SAMPLE DESCRIPTIONS

Sample No.	Assay No.	Location	Description	Assay Au ppb
OC-LN12-01	1076	12+00W,28+50S	silt sediment, fine to medium grained, bands of bt. interbedded	5
OC-LN12-02	1077	12+00W,28+47S	metasediment, pyrite weathered to limonite, bt. bands, fine-medium grained, trace pyrite (1-2%)	<5
OC-LN12-03	1078	12+00W,28+35S	mafic, fine grained, foliations trending 080°	10
JD-LO-14	1079	21+00N,15+90W	fine grained felsic tuff, no visible mineralization	5
JD-LO-15	1080	21+00N,15+90W	fine grained mafic tuff with 3-5% carbonate	<5
JD-LO-16	1081	21+00N,15+90W	quartz-tourmaline vein, 2" wide parallel to foliation, trace carbonate in felsic tuff	<5
JD-LO-17	1082	21+00N,15+90W	quartz vein, 1/2" wide, parallel to foliation, no visible mineralization, in felsic tuff	<5
JD-LO-18	1083	21+00N,15+50W	fine grained intermediate tuff with 0.5-1% pyrite, 3-5% cc.	5
JD-LO-19	1084	21+00N,15+50W	2" QV, S-folded, no visible mineralization, crosscutting	<5
JD-LO-20	1085	21+00N,15+50W	2' quartz pod, S-folded, no visible mineralization, crosscutting	<5
JD-LO-21	1086	21+00N,15+50W	fine grained int. tuff with heavy limonite staining, garnetiferous, 2-3% pyrite, 1-2% magnetite	5
JD-LO-22	1087	21+00N,15+50W	1" wide QV, concordant, in felsic tuff	<5
JD-LO-23	1088	21+00N,15+50W	1" QV, concordant, no visible mineralization, in felsic tuff	<5
JD-LO-24	1089	21+00N,15+00W	3" QV, no visible mineralization, felsic tuff	<5
JD-LO-25	1090	21+00N,15+00W	2" QV, no visible mineralization, felsic tuff	<5

LITTLE OCHIG

GRAB SAMPLE DESCRIPTIONS

Sample No.	Assay No.	Location	Description	Assay Au ppb
JD-LO-26	1091	20+25N,15+00W	2" QTV, in felsic tuff	<5
JD-LO-27	1092	32+50N,12+00W	2" QTV, in felsic tuff	<5
OC-BH-04	1093	28+35S,12+00W	9" QTV, in mafic volcanics, smoky, recrystallized quartz	<5
OC-BH-05	1094	06+80N,08+00E	mafic volcanic, 1-2% magnetite	10
OC-BH-06	1095	43+30N,07+80E	felsic rhyolitic tuff	<5
OC-BH-07	1096	43+30N,07+80E	quartz in rhyolitic tuff	<5
OC-BH-08	1097	43+30N,07+80E	2" quartz in rhyolitic tuff	<5
OC-BH-09	15784	08+10N,20+00E	mafic intermediate volcanic, bands of amphibole, hbl., cl.	<5
OC-BH-10	15785	08+12N,20+00E	friable qtz. stringers (1/2") in mafic intermediate, amphibole bands	<5
OC-BH-11	15786	08+12N,20+00E	friable mafic-intermediate volcanic	<5
OC-BH-12	15787	08+12N,20+00E	recrystallized qtz. stringers in mafic to intermediate volcanics	<5
JD-LO-28	15788	37+00N,04+00E	4" QV infilling tension fracture, minor muscovite along fracture plane, no visible mineralization, crosscutting	<5
JD-LO-29	15789	37+00N,04+00E	as per 15788, no muscovite, 2"	<5
JD-LO-30	15790	37+00N,04+00E	as per 15788	<5
JD-LO-31	15791	37+00N,04+00E	int.-maf. tuff with trace-0.5% py, limonite staining, iron-carbonate (1-2%)	<5
JD-LO-32	15792	38+50N,03+50E	6" wide QV, concordant, clean in felsic tuff	5
JD-LO-33	15793	38+50N,03+50E	medium grained mafic tuff, 8-10" wide, 1-2% py, 1-2% cc.	<5
JD-LO-34	15794	38+50N,03+50E	as per 15792	<5
JD-LO-35	15795	18+00N,16+00E	2" wide QV, clean, in mafic volcanics	<5

LITTLE OCHIG

GRAB SAMPLE DESCRIPTIONS

Sample No.	Assay No.	Location	Description	Assay Au ppb
JD-LO-36	15796	18+00N,16+00E	fine grained MVLC with 0.5% py, minor limonite staining	<5
RH-1	15797	06+00N,44+20W	12" QV, boudinaged - folded in felsic tuff, hem., lim., cc. pockets, chl.	200
RH-2	15798	48+00W,10+30N	3" QV perpendicular to foliation in metasediment	<5
RH-3	15799	48+00W,09+80N	massive rhyolite - rhyodacite flows with tr.-1% dissem. po., 5-10% chl. wisps	5
RH-4	15800	48+20W,04+00N	2" QV, irregular, in felsic volcanic muscovite, chl., lim. pockets, tr. S	15
OC-BH-13	1101	72+38W,20+75S	mafic pelite, well banded, thin felsic bands	5
OC-BH-14	1102	72+00W,20+75S	rhyolite tuff with quartz stringers	5
OC-BH-15	1103	72+00W,20+75S	mafic pelite, chl. + amphibole	10
OC-BH-17	1104	72+00W,15+00S	intermediate-mafic volcanic with felsic bands	10
JD-LO-37	1105	50+00N,15+00W	2" wide QV fracture, clean, cross-cutting, felsic tuff	<5
JD-LO-38	1106	52+00N,15+00W	3" wide QV, trace py., minor limonite, minor tourmaline, concordant, in felsic tuff	<5
JD-LO-39	1107	41+00N,18+00W	6" wide QV, clean, in felsic tuff	10
JD-LO-40	1108	37+25N,19+50W	mafic tuff with 3-5% py., trace-0.5% po., cc. along contact with QV	5
JD-LO-41	1109	37+25N,19+50W	2" wide QV, minor limonite staining cc. close to contact with mafic tuff	10
JD-LO-42	1110	37+25N,20+00W	1/2" wide chert band within felsic tuff (possible sed.) 2-3% po.	10
OC-BH-18	1111	35+39W,32+50S	mafic-intermediate, minor iron staining, traces of bt., musc., amph.	10

LITTLE OCHIG

GRAB SAMPLE DESCRIPTIONS

Sample No.	Assay No.	Location	Description	Assay Au ppb
OC-BH-19	1112	36+00W,33+00S	granite stringers (1/4") discordant with int. mafic, bt. bands	<5
OC-BH-20	1113	36+20W,32+75S	QTV (8" wide), smoky, traces of sulphides	<5
OC-BH-21	1114	36+75W,32+00S	QTV 4' wide, clean, with trace of sulphides	<5
OC-BH-22	1115	36+75W,31+50S	QTV with granite stringer, 2" wide in a mafic sediment (pelite)	5
OC-BH-23	1116	36+75W,31+50S	mafic sediment, well banded with bt., feldspar	10
JD-LO-43	1117	41+00N,24+00W	medium grained felsic tuff, tr-0.5% pyrite	15
JD-LO-44	1118	41+00N,24+00W	2" wide QV, trace cc., in felsic tuff	<5
JD-LO-45	1119	23+00N,36+00W	4" wide QV with fine grained amphibole and possible tourmaline, minor limonite staining	<5
JD-LO-46	1120	23+00N,36+00W	as per 1119 with trace epidote	5
JD-LO-47	1121	23+00N,36+00W	fine grained felsic tuff with tr. po.	10
JD-LO-48	1122	29+50N,40+00W	QV averaging 10" wide, Z-folded, clean, crosscutting, in interbedded seds. and tuff	5
RH-5	1123	72+00W,07+70S	2' x 6" Q pod, lim.-hem. stain, chl. inclusions, on metased-tuff contact	<5
RH-6	1124	80+20W,19+80S	as above	<5
RH-7	1125	59+50W,12+60S	2" QV in fel. tuff, lim.-hem. stain	<5
RH-8	1126	57+00W,22+50S	2" to 6" irreg. QV or stockwork in felsic band hosted in mafic tuff	<5
RH-9	1127	56+00W,18+00S	irregular qtz. pods in felsic tuff proximal to metased. contact	5
OC-BH-24	1128	21+50S,40+00N	mafic seds., 2 small 1/8" Q stringers minor carbonates, limonite staining	<5

LITTLE OCHIG

GRAB SAMPLE DESCRIPTIONS

Sample No.	Assay No.	Location	Description	Assay Au ppb
OC-BH-25	1129	24+20S,40+45W	epidote with mafic seds., bt. and amphibole bands	<5
OC-BH-26	1130	40+55W,24+20S	8" QTV, no sulphides	<5
OC-BH-27	1131	26+15S,40+90W	mafic seds., trace of sulphides	<5
OC-BH-28	1132	44+90W,20+00S	felsic with cherty bands, trace of carbonates	<5
OC-BH-29	1133	21+75S,45+72W	felsic with epidote, limonite staining	<5
JD-LO-49	1134	05+00N,52+00W	mafic pelite with trace py., trace cc.	<5
OC-BH-30	1135	38+00S,47+90W	mafic pelite with trace of py., tr. iron staining - limonite	<5
OC-BH-31	1136	38+00S,47+90W	1 1/2" Q vein, smoky, recrystallized iron hydroxide staining	<5
OC-BH-32	1137	30+00S,48+00W	mafic volcanic, fine grained, limonite staining (intermediate)	<5
OC-BH-34	1138	53+40W,17+00S	1" Q vein, iron staining, traces of py.	110
OC-BH-35	1139	53+40W,17+00S	felsic seds., chloritic and feldspathic bands	<5
RH-10	1140	72+40W,03+20N	foldnose in mafic tuff with quartz bleb	<5
RH-11	1141	72+40W,03+20N	irregular quartz pod at contact between felsic and mafic tuff	<5
RH-12	1142	71+70W,04+30N	irregular quartz stringers and pods, clean, 1-2% K-spar laths	5
RH-13	1143	80+00W,07+20N	3" QV, clean, minor hem. stain, in metasediments	<5
JD-LO-50	1144	64+00W,01+50N	pelitic sed. with narrow po. stringers, hematite staining, 2-3% cc.	<5
JD-LO-51	1145	64+20W,01+60N	as per 1144	<5

LITTLE OCHIG

GRAB SAMPLE DESCRIPTIONS

Sample No.	Assay No.	Location	Description	Assay Au ppb
JD-LO-52	1146	64+20W,01+60N	as per 1144 with 1/4" wide granitic dyke	<5
JD-LO-53	1147	64+20W,03+00N	2" wide QV with minor limonite staining, musc. in pelitic seds.	<5
JD-LO-54	1148	64+20W,03+00N	2" wide QV with 0.5-1% msv. pyrite in seds.	20
JD-LO-55	1149	63+00W,12+20N	3" wide QV with minor epidote	30
JD-LO-56	1150	67+00W,BLO	coarse grained granitic dyke with musc. and epidote	<5
JD-LO-57	1151	66+50W,00+10N	2" QV, clean in pelitic seds.	<5
JD-LO-58	1152	66+50W,00+10N	seds. with heavy limonite staining, minor hematite staining, trace po.	<5
JD-LO-59	1153	84+20W,02+20N	1" wide QV, minor limonite staining, in mvlc	<5
JD-LO-60	1154	84+20W,02+20N	fine grained felsic with 2-3% gnts., minor limonite staining	5
JD-LO-61	1155	84+20W,02+20N	mvlc with abundant gnts., limonite staining along fracture planes, 0.5-1% pyrite	<5
JD-LO-62	1156	84+50W,02+00N	mvlc with qtz. stringers, 5-7% gnts. limonite staining	10
JD-LO-63	1157	84+20W,00+30N	Qtz. pod (8" x 1') in seds., clean	<5
JD-LO-64	1158	86+00W,03+25S	6" wide QV, 0.5-1% py., minor epidote and limonite staining	<5
JD-LO-65	1159	84+00W,06+00S	felsic tuff with 1-2% py., heavy limonite staining	<5
JD-LO-66	1160	83+50W,12+00S	4" wide granite pegmatic dyke crosscutting seds. and mvlc	<5
JD-LO-67	1161	64+00W,14+50S	8" wide QV, limonite staining near contact with seds.	<5
JD-LO-68	1162	64+00W,14+50S	as per 1161, 6" wide QV	<5

LITTLE OCHIG

GRAB SAMPLE DESCRIPTIONS

Sample No.	Assay No.	Location	Description	Assay Au ppb
OC-BH-36	1163	02+00S,64+00W	mafic seds., iron hydroxide staining, bands of chl. + amphiboles + bt.	<5
OC-BH-37	1164	65+80W,06+00S	mafic lapilli tuff	<5
OC-BH-38	1165	06+10S,63+90W	3" QV, no mineralization	<5
OC-BH-39	1166	08+00S,63+90W	2" QV, iron staining - limonitic traces of pyrite	<5
OC-BH-40	1167	28+00S,64+00W	mafic tuff, intermixed with seds. minor iron hydroxide staining	<5
OC-BH-41	1168	04+80S,68+00W	QV, 3" wide, iron hydroxide staining, traces of pyrite	<5
OC-BH-42	1169	01+80S,67+95W	2" QV, trace of epidote, trace py.	<5
OC-BH-43	1170	01+80S,67+95W	chloritic mafic tuff intermixed with seds.	5
RH-14	1171	00+25S,82+00W	QV network in metasediment, tr. malachite, tr.-1% dissem. pyrite	5
RH-15	1172	00+90S,69+00W	6" QV, S-folded, branching in felsic tuff, lim., hem.	<5
RH-16	1173	01+00S,68+25W	3" QV in sed.-tuff, tr.-0.5% py in wall rock, lim., hem.	<5
RH-17	1174	00+75N,68+30W	metasediment with 3-5% py., tr-0.5% po.	5
RH-18	1175	01+60S,68+10W	1" QV in metasediment, tr. py., 2-3% epidote	15
OR-1	1176	27+00S,47+50W	3 to 6" QV crosscutting mafic volc., lim. stain.	<5
OR-2	1177	25+20S,47+90W	12" x 4' Qtz. pod in mafic flows, clean	<5
OR-3	1178	25+20S,47+90W	6 to 8" laminated mafic tuff band, lim., 1-2% py., cherty	<5
OR-4	1179	28+70S,43+50W	sheared contact b/w felsic volc. and granite intrusive, laminated, lim. staining	<5

LITTLE OCHIG

GRAB SAMPLE DESCRIPTIONS

Sample No.	Assay No.	Location	Description	Assay Au ppb
OR-5	1180	31+50S,39+50W	QV swarm in int.-mafic volcanics tr.-1% dissem. pyrite, lim.-hem. stain.	<5
OP-1	1181	28+40S,48+20W	granite pegmatite dyke with muscovite crosscutting mvlc.	10
OP-2	1182	48+20W,28+40S	10" QV with minor limonite staining near contact with mvlc.	<5
OP-3	1183	48+20W,28+40S	B.I.F., limonite staining, trace-2% py + po.	15
OP-4	1184	48+00W,28+40S	2" QV in weak B.I.F., trace sulphides	<5
OP-5	1185	48+30W,27+70S	2" QV in mafic tuff, minor limonite staining, epidote pods in w.r.	590
OP-6	1186	47+50W,26+00S	mafic tuff with heavy limonite staining, trace-0.5% pyrite	10
OP-7	1187	47+50W,26+00S	3" QV with heavy limonite and hematite staining, in mafic tuff	<5
OP-8	1188	47+70W,25+40S	6" QV, broken up and folded, hematite and limonite staining near contact with mvlc.	<5
OP-9	1189	40+50W,34+50S	mvlc. with chert blebs, trace-1% py + po., heavy limonite staining	<5
OB-1	1190	44+80W,26+30S	10" QV in mafic volcanics, minor limonite staining	<5
OB-2	1191	44+00W,25+00S	4" QV in contact with mafic seds., trace of sulphides	<5
OB-3	1192	39+50W,31+50S	mafic tuff, trace of sulphides, limonite staining	<5
OB-4	1193	39+50W,31+50S	4' Q vein, trace of sulphides	<5
JD-01	1194		highly foliated mvlc. with 2-3% diss. py + po, py occurs along cleavage surfaces as does limonite staining	65

LITTLE OCHIG

GRAB SAMPLE DESCRIPTIONS

Sample No.	Assay No.	Location	Description	Assay Au ppb
X-1	1195		mafic int. tuff, trace-2% pyrrhotite, pyrite	10
X-2	1196		as above	10

APPENDIX D

ROCK SAMPLE ASSAY CERTIFICATES

Bondar-Clegg & Company Ltd.
5420 Canotek Rd.,
Ottawa, Ontario
Canada K1J 9
Phone: (613) 74
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BONDAR-CLEGG

Geochemical Lab Report

REPORT: 017-3136 (COMPLETE)

REFERENCE INFO:

CLIENT: GEOCANEX LIMITED
PROJECT: LITTLE OCHIG

SUBMITTED BY: R. HIGGINSON
DATE PRINTED: 21-JUL-87

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	UPPER DETECTION LIMIT	METHOD
1	Au	Gold	20	5 PPB	[illegible]	FA-AA @ 10 gm weight

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK	20	-200	[illegible]	CRUSH,PULVERIZE -200	20

REMARKS: < MEANS LESS THAN

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R. HIGGINSON

INVOICE TO: GEOCANEX

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Geochemical Lab Report

REPORT: 017-3136

PROJECT: LITTLE OCHIG PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
1059		<5
1060		<5
1061		<5
1062		25
1063		<5
1064		<5
1065		<5
1066		<5
1067		<5
1068		<5
1069		<5
1070		<5
1071		<5
1072		<5
1073		<5
1074		<5
1075		5
1076		5
1077		<5
1078		10

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Geochemical Lab Report

REPORT: 017-3222 (COMPLETE)

REFERENCE INFO:

CLIENT: GEOCANEX LIMITED
PROJECT: LITTLE OCHIG

SUBMITTED BY: W. HOWES
DATE PRINTED: 27-JUL-87

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold	19	5 PPB	AQUA REGIA	FA-AA @ 10 gm weight

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK	19	-200	19	CRUSH,PULVERIZE -200	19

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Geochemical
Lab Report

REPORT: 017-3222

PROJECT: LITTLE OCHIG PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
1079		5
1080		<5
1081		<5
1082		<5
1083		5
1084		<5
1085		<5
1086		5
1087		<5
1088		<5
1089		<5
1090		<5
1091		<5
1092		<5
1093		<5
1094		10
1095		<5
1096		<5
1097		<5

Bondar-Clegg & Company Ltd.
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Geochemical Lab Report

REPORT: 017-3293 (COMPLETE)

REFERENCE INFO:

CLIENT: GEOCANEX LIMITED
PROJECT: LITTLE OCHIG

SUBMITTED BY: W. HOWES
DATE PRINTED: 27-JUL-87

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold	13	5 PPB	AQUA REGIA	FA-AA @ 10 gm weight

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK	13	-200	13	CRUSH,PULVERIZE -200	13

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Geochemical Lab Report

REPORT: 017-3293 | PROJECT: LITTLE OCHIG | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
15784		<5
15785		<5
15786		<5
15787		<5
15788		<5
15789		<5
15790		<5
15791		<5
15792		5
15793		<5
15794		<5
15795		<5
15796		<5

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Geochemical Lab Report

REPORT: 017-3445 (COMPLETE)

REFERENCE INFO:

CLIENT: GEOCANEX LIMITED
PROJECT: LITTLE OCMTO

COMPILED BY: P. HOGSDEN
DATE ENTERED: 4-AUG-87

ORDER	ELEMENT			METHOD
1	Au	Gold		FA-AA @ 10 gm weight

SAMPLE TYPES			SAMPLE PREPARATIONS	
ROCK		-80	CRUSH,PULVERIZE -200	

REMARKS: < MEANS LESS THAN

REPORT COPIES TO: P. HOGSDEN
R. [illegible]

[illegible] H. HOGSDEN

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Geochemical Lab Report

REPORT: 017-3445

PROJECT: LITTLE [illegible]

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
1101		5
1102		5
1103		10
1104		10
1105		<5
1106		<5
1107		10
1108		5
1109		10
1110		10
1111		10
1112		<5
1113		<5
1114		<5
1115		5
1116		[illegible]
1117		15
1118		<5
1119		<5
1120		5
1121		10
1122		5
1123		<5
1124		<5
15797		[illegible]
15798		<5
15799		5
15800		15

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BONDAR-CLEGG

Geochemical Lab Report

REPORT: 017-3513 (COMPLETE)

REFERENCE INFO:

CLIENT: GEOCANEX LIMITED
PROJECT: LITTLE OCHIG

SUBMITTED BY: R. HIGGINSON
DATE PRINTED: 10-AUG-87

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold	72	5 PPB	AQUA REGIA	FA-AA @ 10 gm weight

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK	72	-200	72	CRUSH,PULVERIZE -200	72

REMARKS: < MEANS LESS THAN.

REPORT COPIES TO: H. HODGE
R. HIGGINSON

INVOICE TO: H. HODGE

Bondar-Clegg & Company Ltd.
5420 Canotek Rd.,
Ottawa, Ontario,
Canada K1
Phone: (61 220
Telex: 053-32

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 017-3513

PROJECT: LITTLE OCHIG PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Au PPB
1125		<5	1165		<5
1126		<5	1166		<5
1127		5	1167		<5
1128		<5	1168		<5
1129		<5	1169		<5
1130		<5	1170		5
1131		<5	1171		5
1132		<5	1172		<5
1133		<5	1173		<5
1134		<5	1174		5
1135		<5	1175		15
1136		<5	1176		<5
1137		<5	1177		<5
1138		110	1178		<5
1139		<5	1179		<5
1140		<5	1180		<5
1141		<5	1181		10
1142		5	1182		<5
1143		<5	1183		15
1144		<5	1184		<5
1145		<5	1185		590
1146		<5	1186		10
1147		<5	1187		<5
1148		20	1188		<5
1149		30	1189		<5
1150		<5	1190		<5
1151		<5	1191		<5
1152		<5	1192		<5
1153		<5	1193		<5
1154		5	1194		65
1155		<5	1195		10
1156		10	1196		10
1157		<5			
1158		<5			
1159		<5			
1160		<5			
1161		<5			
1162		<5			
1163		<5			
1164		<5			

Ministry of Northern Affairs and Mines
Ontario

Report of Work (Geophysical, Geological, Geochemical and Expenditures)

67.18's 2.10 #87

52008SW0011 2.10647 LITTLE OCHIG LAKE

900

MINING LANDS

Mining Act

— Do not use shaded areas below.

Type of Survey(s)	Township or Area
Geophysical	Little Ochig Lake Area G-2104

Claim Holder(s)	Prospector's Licence No.
Power Explorations Inc.	T 4642

Address: 1003-34 King Street East, Toronto, Ontario, M5C 1E5

Survey Company	Date of Survey (from & to)	Total Miles of line Cut
Geocanex Ltd.	Day 01 Mo. 04 Yr. 87 — Day 08 Mo. 04 Yr. 87	38.9

Name and Address of Author (of Geo-Technical report): Robert E. Gillick, 366 Wickstead Avenue, North Bay, Ontario, P1A 3L8

Credits Requested per Each Claim in Columns at right

		Days per Claim
Special Provisions — For first survey: Enter 40 days. (This includes line cutting)	Geophysical - Electromagnetic	40
	Geophysical - Magnetometer	40
For each additional survey: using the same grid: Enter 20 days (for each)	Geophysical - Radiometric	
	Geophysical - Other	
	Geological	
	Geochemical	
Man Days — Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	Geophysical - Electromagnetic	
	Geophysical - Magnetometer	
	Geophysical - Radiometric	
	Geophysical - Other	
	Geological	
	Geochemical	
Airborne Credits — Note: Special provisions credits do not apply to Airborne Surveys.		Days per Claim
	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
See	Attached Sheet	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

PATENTS SECTION RECEIVED OCT 23 1987 A.M. P.M.

Expenditures (excludes power stripping)

Type of Work Performed

RECEIVED

Performed on Claim(s)

OCT 23 1987

MINING LANDS SECTION

Calculation of Expenditure Days Credits

Total Expenditures: $ ÷ 15 = Total Days Credits

Instructions: Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Total number of mining claims covered by this report of work: 62

Pa. 893308

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
4960	OCT. 15, 1987	
	Date Approved as Recorded	Branch Director
	See revised Statement.	

Date	Recorded Holder or Agent (Signature)
Oct 9/87	

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: H.J. Hodge, 1003-34 King Street East, Toronto, Ontario, M5C 1E5

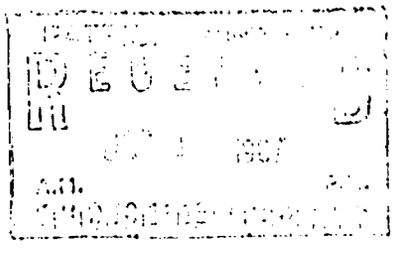
Date Certified	Certified by (Signature)
Oct 9/87.	

OCHIG LAKE ~~AREA~~ PROPERTY

POWER EXPLORATIONS INC.

MINING CLAIMS TRAVERSED

Pa 893308	Pa 893948	Pa 903474	Pa 903609
893309	893949	903475	903610
893310	893950	903476	903611
893311	893951	903477	903612
893312	893952	903478	903613
893313	893953	903479	903614
893314	893954	903480	903615
893315	893955	903481	903616
893316	893956	903482	903617
893317	893957	903483	903618
893318	893958		903619
893319	893959		903620
893320	893960		903621
893321	893961		
893322	893962		Total 62 Claims
893323	893963		
893324	893964		
	893965		
	893966		
	893967		
	893968		
	893969		



Ontario

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

January 7, 1988

Your File: 87-183
Our file: 2.10647

Mining Recorder
Ministry of Northern Development and Mines
Court House
P.O. Box 3000
Sioux Lookout, Ontario
P0V 2T0

Dear Sir:

RE: Notice of Intent dated December 16, 1987
Geophysical (Electromagnetic and Magnetometer) Survey
on Mining Claims PA 893308 et al in Little Ochig Lake

The assessment work credits, as listed with the above-mentioned Notice of Intent, have been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your records.

Yours sincerely,

W.R. Cowan, Manager
Mining Lands Section
Mines and Minerals Division

Whitney Block, Room 6610
Queen's Park
Toronto, Ontario
M7A 1W3

Telephone: (416) 965-4888

RM:pl
Enclosure: Technical Assessment Work Credits
R.M.
cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

Resident Geologist
Sioux Lookout, Ontario

Power Explorations Inc.
Suite 1003
34 King Street East
Toronto, Ontario
M5C 1E5

Ministry of Northern Development and Mines
Ontario

Technical Assessment Work Credits

File: 2.10647

Date: December 16, 1987

Mining Recorder's Report of Work No.: 87-183

Recorded Holder: Power Explorations Inc.

~~XXXXXXXX~~Area: Little Ochig Lake

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic _____ days	PA 893308 to 324 inclusive 893950 to 969 inclusive 903475 to 483 inclusive 903609 to 621 inclusive
Magnetometer 20 days	
Radiometric _____ days	
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological _____ days	
Geochemical _____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (16) for the following mining claims

15 Days Magnetometer

PA 893948 to 949 inclusive
903474

No credits have been allowed for the following mining claims

☐ not sufficiently covered by the survey ☐ insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geologocal - 40; Geochemical - 40; Section 77(19) - 60.

828 (85/12)

Ministry of Northern Development and Mines
Ontario

Technical Assessment Work Credits

File: 2.10647

Date: December 16, 1987

Mining Recorder's Report of Work No.: 87-183

Recorded Holder: Power Explorations Inc.

Township ~~XXXXXXX~~ Area: Little Ochig Lake Area

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	PA 893308 to 324 inclusive 893950 to 969 inclusive 903475 to 483 inclusive 903609 to 621 inclusive
Electromagnetic 40 days	
Magnetometer ____ days	
Radiometric ____ days	
Induced polarization ____ days	
Other ____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological ____ days	
Geochemical ____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (16) for the following mining claims

30 Days Electromagnetic

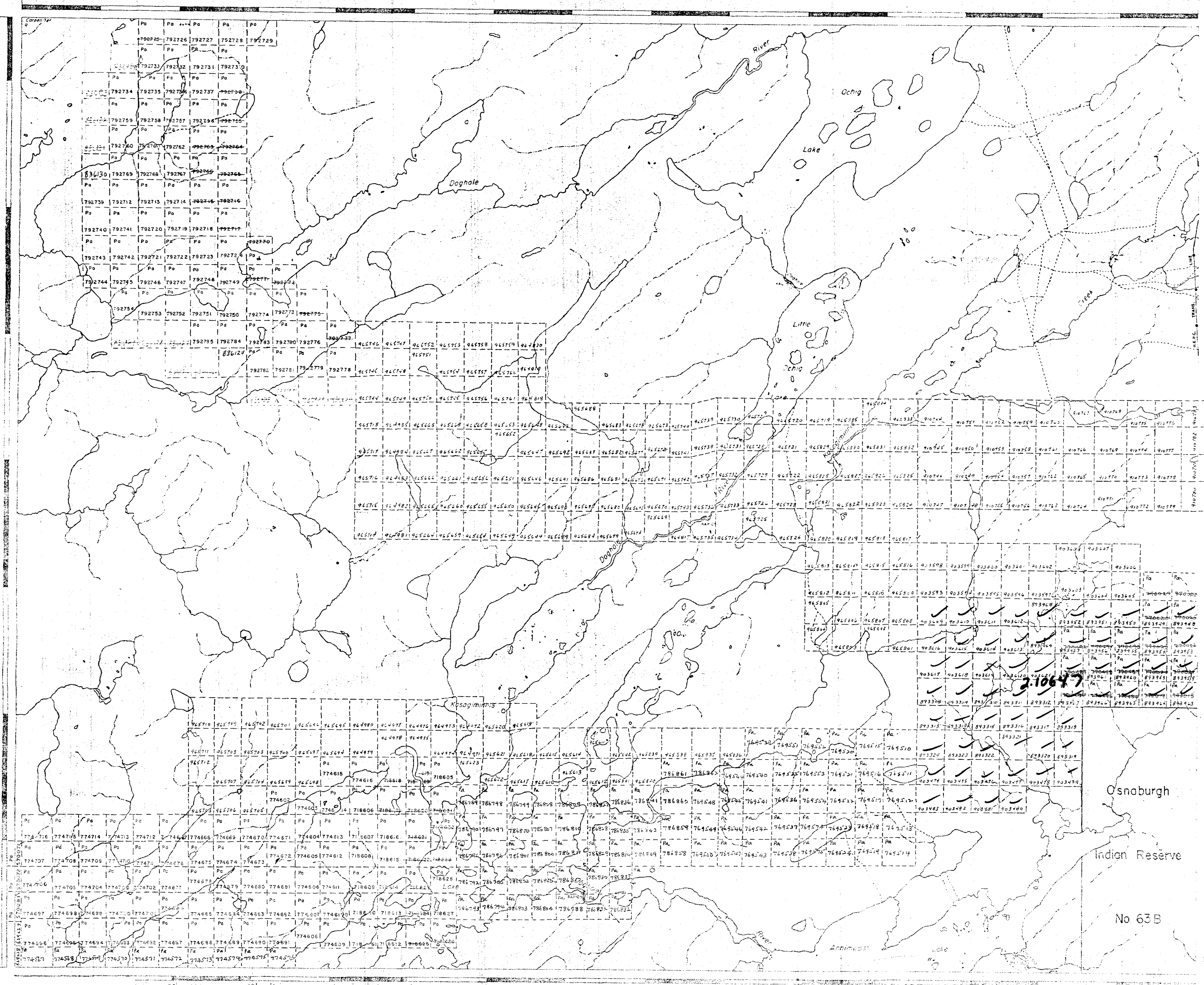
PA 893948 to 949 inclusive
903474

No credits have been allowed for the following mining claims

☐ not sufficiently covered by the survey ☐ insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geologocal - 40; Geochemical - 40; Section 77(19) - 60.

KAPKICHI LAKE AREA G-2081



DOGHOLE LAKE AREA G-2007

LEGEND

HIGHWAY AND ROUTE No.
OTHER ROADS
TRAILS
SURVEYED LINES
TOWNSHIPS, BASE LINES, ETC.
LOTS, MINING CLAIMS, PARCELS, ETC.
UNSURVEYED LINES
LOT LINES
PARCEL BOUNDARY
MINING CLAIMS ETC
RAILWAY AND RIGHT OF WAY
UTILITY LINES
NON PERENNIAL STREAM
FLOODING OR FLOODING RIGHTS
SUBDIVISION OR COMPOSITE PLAN
RESERVATIONS
ORIGINAL SHORELINE
MARSH OR MUSKEG
MINES
TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
" , SURFACE RIGHTS ONLY	
" , MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" , SURFACE RIGHTS ONLY	
" , MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER-IN-COUNCIL	OC
RESERVATION	
CANCELLED	
SAND & GRAVEL	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. - MINING RIGHTS ONLY
S.R.O. - SURFACE RIGHTS ONLY
M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File

PATRICIA MINING DIV.
RECEIVED
JUL 16 1987
A.M. 7,8,9,10,11,12,1,2,3,4,5,6 P.M.

SCALE: 1 INCH = 40 CHAINS

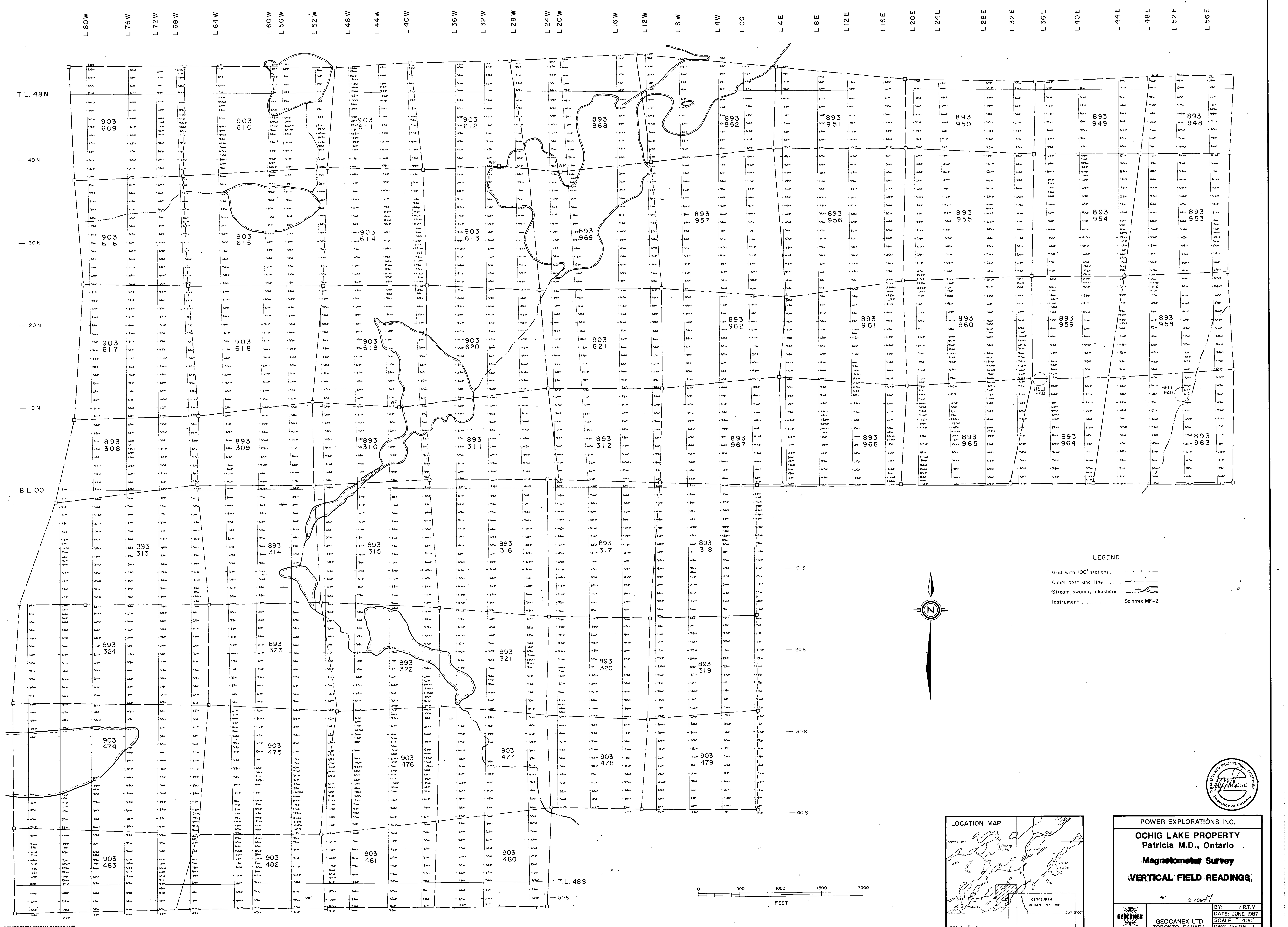
FEET 0 1000 2000 4000 6000 8000
METRES 0 200 1000 (1 KM) 2000 (2 KM)

AREA **LITTLE OCHIG LAKE**

M.N.R. ADMINISTRATIVE DISTRICT
SIOUX LOOKOUT
MINING DIVISION
PATRICIA
2.10647
LAND TITLES / REGISTRY DIVISION
KENORA (PATRICIA PORTION)

Ministry of Natural Resources Ontario
Land Management Branch

52085SW0011 2.10647 LITTLE OCHIG LAKE 200



POWER EXPLORATIONS INC.

OCHIG LAKE PROPERTY
Patricia M.D., Ontario

Magnetometer Survey

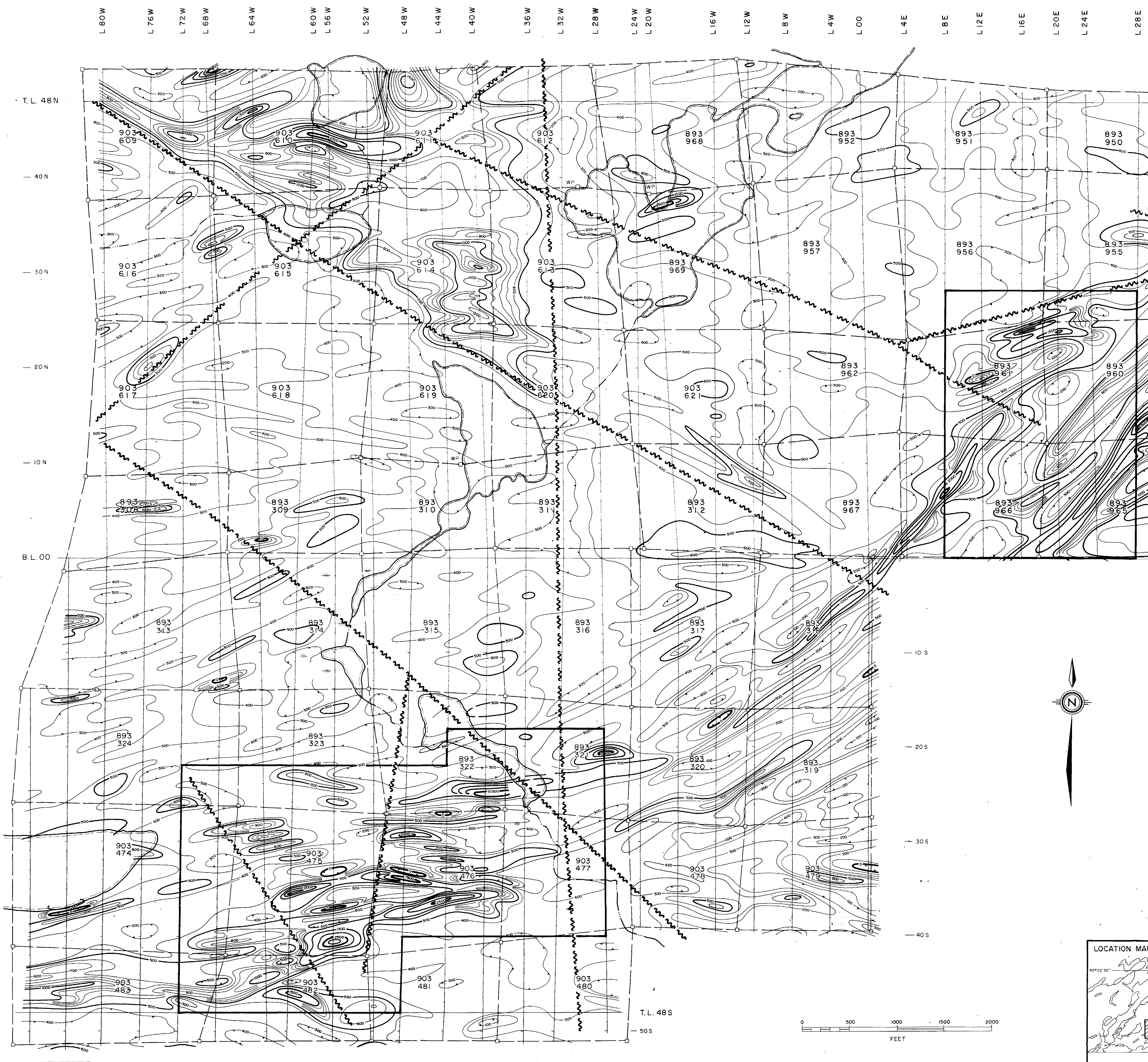
VERTICAL FIELD READINGS

2.10647

GEOCANEX LTD TORONTO, CANADA	BY: /R.T.M
	DATE: JUNE 1987
	SCALE: 1" = 400'
	DWG. No: OG - I

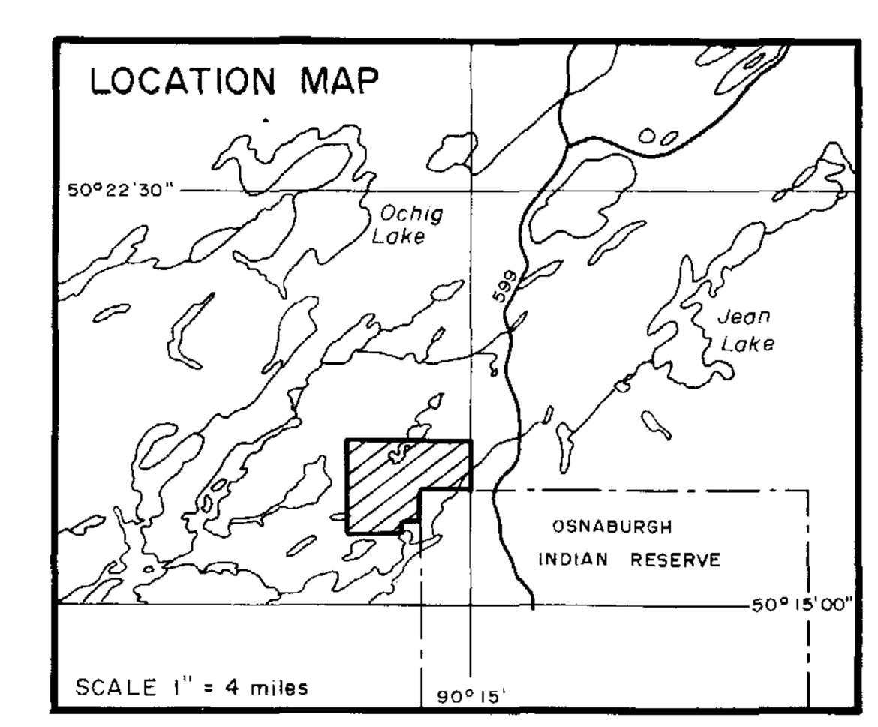
5208SW0011 2.10647 LITTLE OCHIG LAKE

210



LEGEND

Grid with 100' stations
Claim post and line
Stream, swamp, lakeshore
Instrument .... Scintrex MF-2
Contour interval .... 100 gammas
100 gamma contour
500 gamma contour
2500 gamma contour
Depression
Interpreted faults / shears
Areas recommended for detailed magnetometer surveying



POWER EXPLORATIONS INC.

OCHIG LAKE PROPERTY
Patricia M.D., Ontario

Magnetometer Survey

VERTICAL FIELD CONTOURS

2-10647

GEOCANEX LTD
TORONTO, CANADA

BY:	/R.T.M
DATE:	JUNE 1987
SCALE:	1" = 400'
DWG. No:	OG-2

POWER EXPLORATIONS INC.

OCHIG LAKE PROPERTY
Patricia M.D., Ontario
VLF EM Survey
INPHASE & QUADRATURE PROFILES

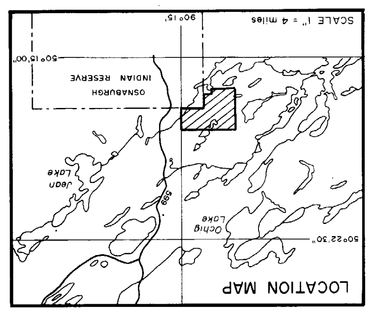
2.1064-17

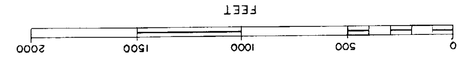
BY:	J.R.T.M
DATE:	JUNE 1987
SCALE:	1"= 400'
DWG. No:	OG - 3

GEOCANEX LTD
TORONTO, CANADA

GEOCANEX

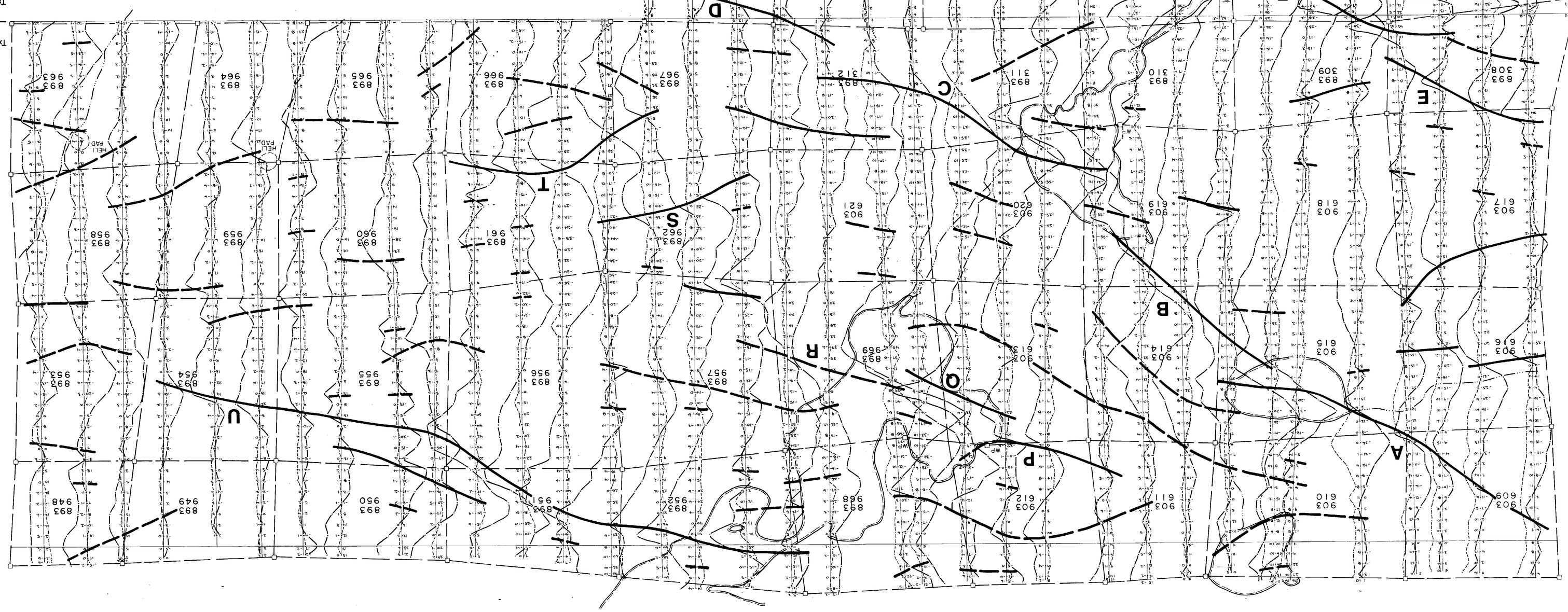
LOCATION MAP





LEGEND

Grid with 100' stations
Claim post and line
Stream, swamp, lake shore
Transmitters used as indicated :
- NAA, Cutler, Maine, 24.0 kHz - N. of BL.00
- NLK, Seattle, Wash., 24.8 kHz - S. of BL.00
Readings, token facing North, plotted
Profiles, at 1" = 40%, plotted.
Inphase profile
Quadrature
Instrument: Geonics EM-16
Interpreted bedrock conductor
Possible bedrock conductor




L 80W
L 76W
L 72W
L 68W
L 64W
L 60W
L 56W
L 52W
L 48W
L 44W
L 40W
L 36W
L 32W
L 28W
L 24W
L 20W
L 16W
L 12W
L 8W
L 4W
L 00
L 4E
L 8E
L 12E
L 16E
L 20E
L 24E
L 28E
L 32E
L 36E
L 40E
L 44E
L 48E
L 52E
L 56E
T.L. 48N
40N
30N
20N
10N
B.L.00
10S
20S
30S
40S
50S
T.L. 48S
Tx. NAA
Tx. NLK
LEGEND
Grid with 100' stations
Claim post and line
Stream, swamp, lakeshore
Transmitters used as indicated :
- NAA, Cutler, Maine, 24·0 kHz - N. of B.L.00
- NLK, Seattle, Wash, 24·8 kHz - S. of B.L.00
Instrument Geonics EM-16
Contours of Fraser filtered VLF EM In phase data
5% contour
10% contour
25% contour
0 500 1000 1500 2000
FEET
LOCATION MAP
Ochig Lake
Jean Lake
OSNABURGH INDIAN RESERVE
SCALE 1" = 4 miles
POWER EXPLORATIONS INC.
OCHIG LAKE PROPERTY
Patricia M.D., Ontario
VLF EM Survey
FILTERED INPHASE CONTOURS
2.10647
GEOCANEX LTD
TORONTO, CANADA
BY: / R.T.M
DATE: JUNE 1987
SCALE: 1" = 400'
DWG. No: OG - 4
PROVINCE OF ONTARIO
240
52085E0011 2.10647 LITTLE OCHIG LAKE