52008SW0007 2.11219 LITTLE OCHIG LAKE

010

REPORT

ON

GEOLOGICAL MAPPING, PROSPECTING AND DIAMOND DRILLING

OCHIG LAKE PROPERTY

DISTRICT OF KENORA, PATRICIA MINING DIVISION

NORTHWESTERN ONTARIO

FOR

POWER EXPLORATIONS INC.

NTS 52 O/8 SW

RECEIVED

MAY 20 1988

MINING LANDS SECTION

2.9153

February 1988

R.A.V. Higginson, B.Sc.

TABLE OF

52008SW0007 2.11219 LITTLE OCHIG LAKE

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LIST OF APPENDICES

LIST OF TABLES

LIST OF FIGURES

LIST OF DRAWINGS

1.0 SUMMARY

The Ochig Lake property of Power Explorations Inc. is located 12 miles south of the town of Pickle Lake in northwestern Ontario.

The property lies on an east to northeast trending area of the Dempster-Pickle Lakes greenstone belt. A narrow package of mafic volcanics and iron formation transects a broad zone of dominantly felsic to mafic pyroclastics and sediments. The stratigraphic sequence is crosscut by numerous high angle felsic to mafic intrusives and geophysically interpreted fault-shear systems.

Compilation of results from the current geological mapping, prospecting and diamond drilling programs suggest that significant gold mineralization may occur on the property.

Gold mineralization was encountered in two settings; associated with sulphide mineralization on the central mafic volcanic - iron formation package where three holes intersected values of .002 to .034 ounces per ton gold over significant widths, and, in quartz-tourmaline veining associated with faulting or shearing, in which one hole intersected .028 ounces per ton gold over 3.0 feet.

A two-phase exploration program is warranted and recommended for the property. Phase I would involve detailed ground magnetometer and HLEM surveys, stripping and lithogeochemical trench sampling. Phase II would involve diamond drilling of targets delineated in Phase I.

2.0 INTRODUCTION

This report describes the results of the 1987 geological mapping, prospecting and diamond drilling programs on the Ochig Lake property of Power Explorations Inc.

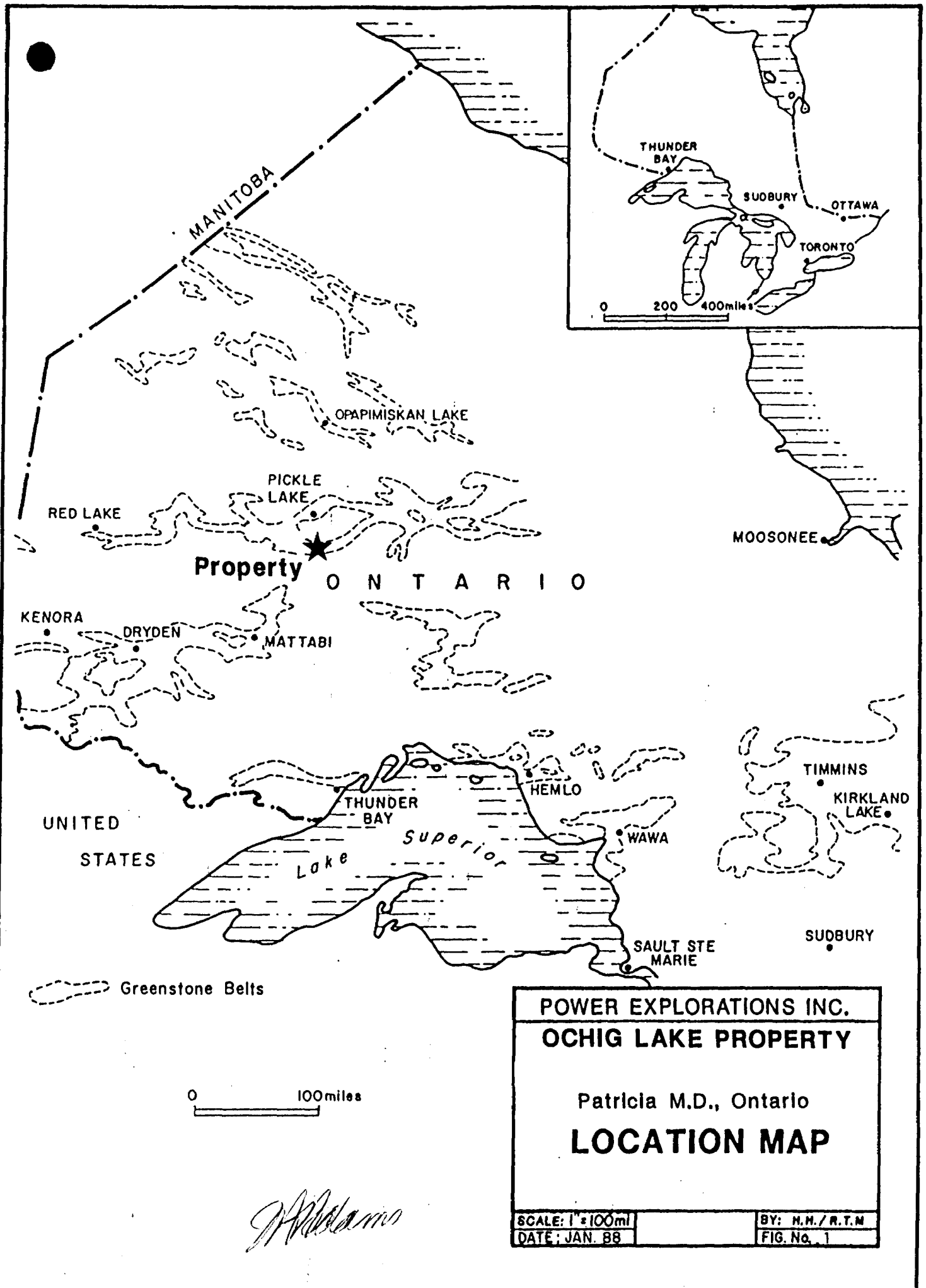
The property consists of 78 mining claims, located 12 miles south of the town of Pickle Lake in the Patricia Mining Division, northwestern Ontario (Fig. No. 1).

The geological mapping and prospecting program, and supervision of the diamond drilling were carried out concurrently with geophysical surveys, including ground magnetics and VLF-EM by Geocanex Ltd. Midwest Drilling of Winnipeg was the drilling contractor.

All survey work and diamond drilling was done on a cut picket line grid. The grid has an east-west trending baseline with perpendicular lines at 400 foot intervals across the strike of the local stratigraphy. Several tie lines were cut to ensure control on long picket lines.

The personnel involved in the geological mapping and prospecting program were:

R. Higginson	Project Geologist	Oro Station, Ontario
J. Drew	Geologist	North Bay, Ontario
B. Howes	Field Assistant	Kingston, Ontario
M. Simonson	Field Assistant	Trenton, Ontario



POWER EXPLORATIONS INC.

OCHIG LAKE PROPERTY

Patricia M.D., Ontario

LOCATION MAP

SCALE: 1"=100mi		BY: H.H./R.T.M
DATE: JAN. 88		FIG. No. 1

The personnel involved in the drilling program were:

R. Higginson	Project Geologist	Oro Station, Ontario
J. Pierce	Assistant	Wasaga Beach, Ontario

During the geological mapping and prospecting program, quartz veins and mineralized horizons were sampled, and geophysical anomalies were prospected. Drill targets were chosen from compiled geological and geophysical data. Quartz veins and mineralized horizons were sampled from the drill core. All sample descriptions and assays from the mapping-prospecting and drilling programs as well as drill logs and drill sections, are included in this report.

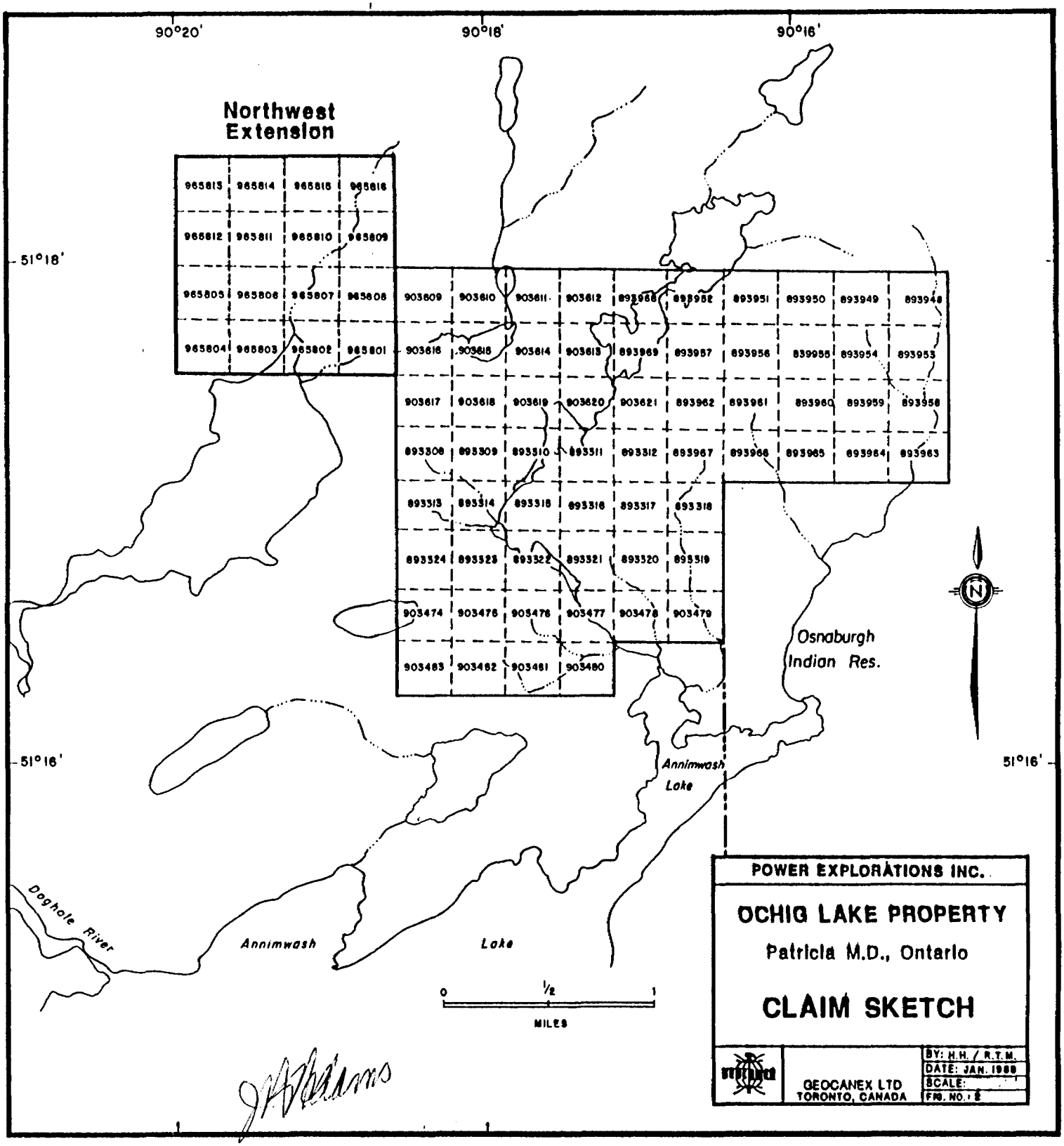
The geological mapping and prospecting program was carried out between July 3, 1987 and July 21, 1987. The time breakdown for the work performed is as follows:

	Man-Days		
Mapping	49.25	Prospecting	11

The diamond drilling program consisted of seven BQ (1-7/16") diamond drill holes totalling 2,145 feet, and was carried out between October 29, 1987 and November 14, 1987.

3.0 PROPERTY DESCRIPTION

The Ochig Lake property consists of 78 contiguous unpatented mining claims in the Ochig Lake area, Patricia Mining Division, District of Kenora, northwestern Ontario (Fig. No. 2). The claim numbers and recording dates are as follows:


90°20'
90°18'
90°16'
51°18'
51°16'
Northwest Extension
965815 965814 965813 965816
965812 965811 965810 965809
965805 965806 965807 965808
965804 965803 965802 965801
903609 903610 903611 903612 893968 893952 893951 893950 893949 893948
903616 903615 903614 903613 893969 893957 893956 893955 893954 893953
903617 903618 903619 903620 903621 893962 893961 893960 893959 893958
893308 893309 893310 893311 893312 893967 893966 893965 893964 893963
893313 893314 893315 893316 893317 893318
893324 893323 893322 893321 893320 893319
903474 903475 903476 903477 903478 903479
903483 903482 903481 903480
Osnaburgh Indian Res.
Annimwash Lake
Doghole River
Annimwash Lake
0 ½ 1
MILES
N
POWER EXPLORATIONS INC.
OCHIG LAKE PROPERTY
Patricia M.D., Ontario
CLAIM SKETCH
GEOCANEX LTD
TORONTO, CANADA
BY: H.H. / R.T.M.
DATE: JAN. 1988
SCALE:
FIG. NO.: 2

Claim Numbers		Recording Dates
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
Pa 965801-965816 inclusive	(16)	February 10, 1987

Total 78 Claims

The claims are wholly owned by Power Explorations Inc. of 1003-34 King Street East, Toronto, Ontario, M5C 1E5.

4.0 LOCATION, ACCESS AND SERVICES

The Ochig Lake property is located 12 miles south of Pickle Lake and lies to the north and west of the northwestern corner of the Osnaburgh Indian Reserve (No. 63B). The eastern property boundary is approximately 1/2 mile west of Highway 599.

The property can be easily reached from Highway 599 along the northern surveyed boundary of the Osnaburgh Indian Reserve, or by float plane from Pickle Lake.

Pickle Lake is a mining and transportation centre of approximately 350. UMEX (Union Miniere Exploration) operates a 4,000 TPD copper-nickel mine and concentrator seven miles northwest of Pickle Lake with 14,000,000 tons of ore grading 1.6% copper and 0.2% nickel. The mine is presently closed due to depressed base metal prices. Consequently, there is abundant vacant housing in town.

Pickle Lake is connected by paved Highway 599 to Savant Lake and the Canadian National transcontinental railway line 90 miles south, and Ignace and Trans Canada Highway 17, 180 miles south. Electricity is supplied by a hydro line connecting Pickle Lake to the Ear Falls generating station.

Air, ground and water transportation for local use are readily available in town. Pickle Lake is also serviced by regularly scheduled flights from Thunder Bay with connections to Toronto.

5.0 PHYSIOGRAPHY AND VEGETATION

The Ochig Lake property is covered equally by low-lying swamps and sporadic sand and boulder ridges. Outcrop exposures constitute 5-10% of the property area, and are erratically dispersed. Abundant outcrop occurs to the west of an arcuate lake-creek system that bisects the property from north to south. The lakes are generally shallow and swampy, with marshy, sandy or occasionally rocky shorelines.

Vegetation consists of black spruce over muskeg in low-lying areas with cedar-alder swamps along creeks. Mixed, mature, birch-poplar-spruce forests dominate the higher ground.

A recent burn area extends from L12+00W eastward off the property. Vegetation in this area is sparse with sporadic new growths of alder and small birch.

6.0 PREVIOUS WORK

There is no record of previous work on the property, however, several drill holes were completed to the east and west by UMEX Inc. and INCO Limited in the early 1970's.

In 1986, Geoterrex Ltd. completed regional airborne magnetic and electromagnetic surveys for the O.G.S., which covered the property area. During the winter of 1986-87, the Kasagiminnis Lake property of Power Explorations Inc., adjoining to the west, underwent an extensive diamond drilling program. Several significant intersections of gold mineralization were reported in similar stratigraphic horizons to those encountered on the Ochig Lake property.

7.0 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).

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 UMEX: Thierry Mine

GOLD PRODUCTION

MINE PROPERTY	TONS	OZS GOLD	OZ/TON
Central Patricia	1,729,248	621,806	0·359
Pickle Crow	3,237,572	1,446,214	0·44
Total	4,965,820	2,068,020	0·416

90°30'

90°00'

51°30'

50°15'

Collishaw Lake

Tarp Lake

HWY 808

Trebell L.

PONSFORD TWP

CONNELL TWP

McCULLAGH TWP

Pickle Lake

Pickle L.

Dona L.

Dona Lake Discovery
1,400,000 tons at 0·24 oz/ton Au

Ochig Lake

Kawinogans Lake

Northwest Extension

OCHIG LAKE PROPERTY

Knuppl L.

Hasaga
200,000 tons at 0·19 oz/ton Au

Osnaburgh I.R. 63B

Hwy 599

LAKE ST. JOSEPH

0 2 4 6 8 10 miles

Scale 1 inch = 4 miles

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: JAN.1988 SCALE: 1" = 4 mi FIG. No: 3

GEOLOGY LEGEND

- Geological boundary
- Diabase dykes (Keewanowan) — 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 99, 1984
Staff G.M.B. Wallace H.
and Map 2218, Col Lake - Pickle Lake,
Sage et al., 1972

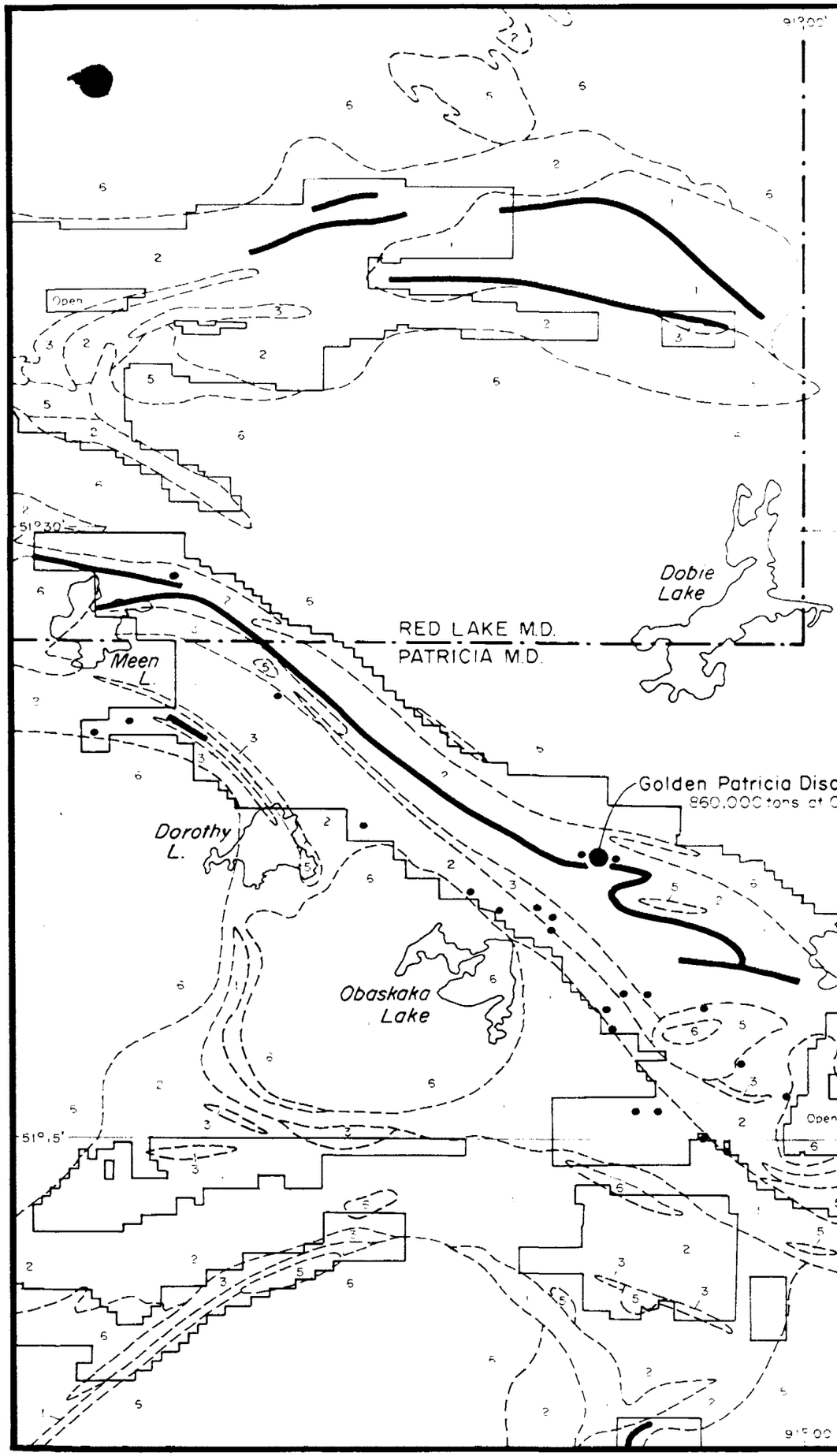
LOCATION MAP

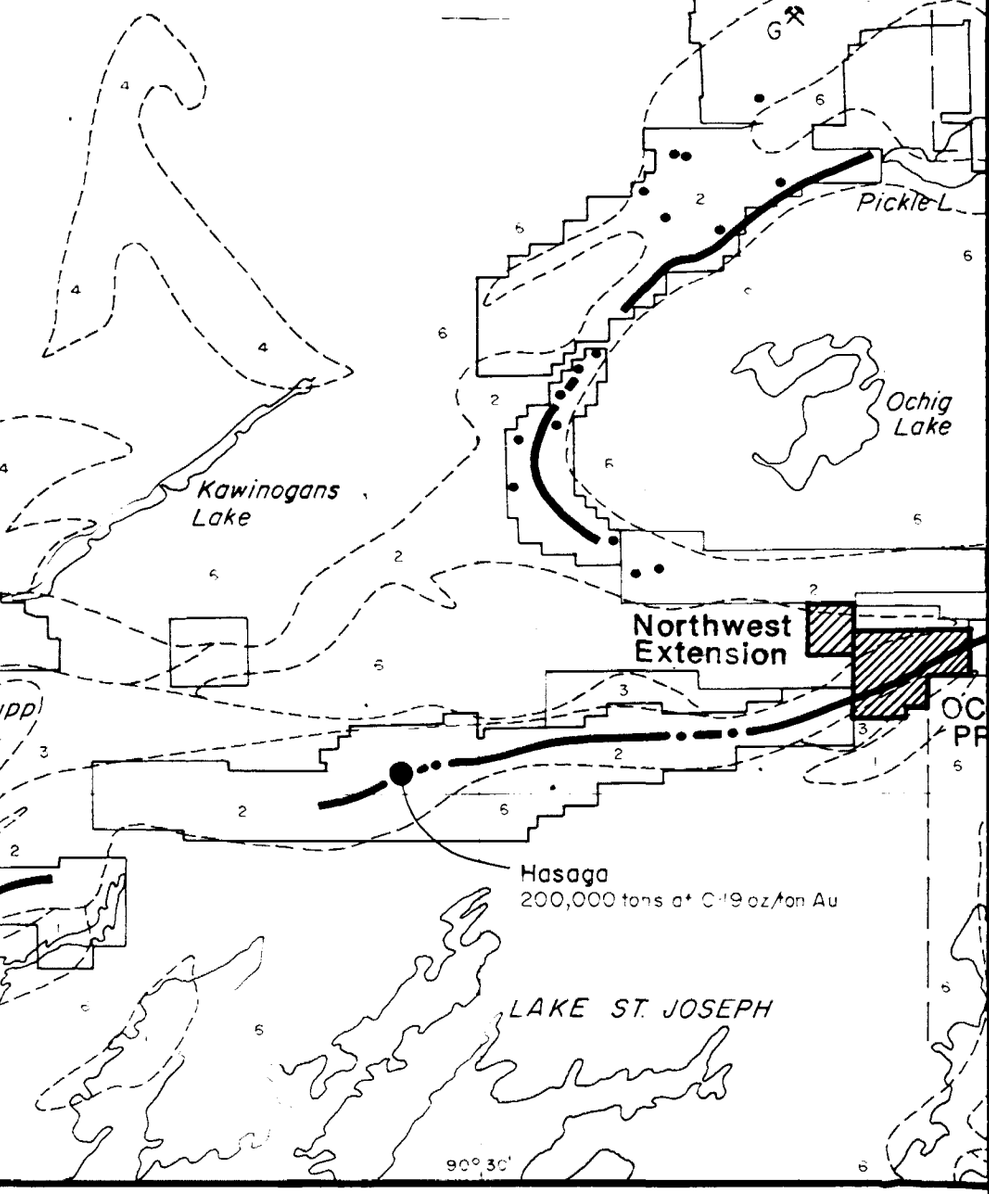
MINES, PAST PRODUCER

- 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 UMEX; Thierry Mine

GOLD PRODUCTION

MINE PROPERTY	TONS	OZS GOLD
Central Patricia	1,728,248	621,80
Pickle Crow	3,237,572	1,446,21
Total	4,966,820	2,068,02





Ultramafic rocks host copper-nickel mineralization at the Union Miniere (UMEX) 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 of 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 Limited and St. Joe Canada Inc. both recently announced their intentions to open new mines in the Pickle Lake area. 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, March 23, 1987).

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). The initial mining project has drill indicated reserves of 283,000 tons grading 0.88 ounces per ton and is expected to produce 40,000 ounces of gold annually (Northern Miner, March 23, 1987).

8.0 PROPERTY GEOLOGY

8.1 General Geology

The Ochig Lake property lies on an east to northeast trending arm of the Dempster-Pickle Lakes greenstone belt. The property is underlain by a complex sequence of interbedded felsic to mafic pyroclastics and epiclastics (including siltstone, mudstone and argillite). A narrow band of dominantly mafic to intermediate flows hosting subordinate amounts of pyroclastics, epiclastics and iron formation, crosses the property from the southwest to northeast corners.

Numerous metagabbro, quartz-feldspar porphyry, aplite, granite to granite pegmatite intrusives and geophysically interpreted fault-shear structures crosscut the property at a high angle to the stratigraphy. Parasitic "S" and "Z" folds occur frequently and may be related to the interpreted fault-shear structures.

8.2 Volcanics

Relatively equal proportions of felsic and mafic volcanics are exposed in the northwest and southwest portions of the property.

Felsic tuffs and probable flows occur as thin laminations with mafic tuff and sediments; or as individual massive beds tens of feet thick.

Typically, the felsics are fine-grained, granular, massive to banded, and dark grey to pink-buff on fresh and weathered surfaces, respectively.

Mafic tuffs are fine-grained, dark green and foliated. Mafic flows are massive, dark green to black and fine to coarse-grained. The mafic volcanics are generally amphibolitic.

8.3 Sediments

The regional maps (Map 2218) indicate that the sediments exposed on the property are part of a 5 mile long, southwest trending tongue of epiclastics which include siltstones, argillites, arkoses, greywackes and conglomerates.

The sediments exposed on the property consist of interbedded siltstones, mudstones and argillites. Individual bands are metamorphosed to feldspar ± quartz ± sericite and chlorite ± amphibole ± sericite ± biotite assemblages. Texturally, the rocks vary from fine-grained, equigranular to schistose.

8.4 Iron Formation

Iron formation is not exposed on the property, however, two closely spaced bands of oxide facies iron formation were encountered in Hole OCH-87-2. The bands consist of banded to massive, quartz ± amphibole (grunerite?) ± carbonate ± 1-5% magnetite ± garnet with accessory pyrite and pyrrhotite. The bands occur coincidently with a linear 2,000 gamma magnetic feature, within the broad horizon of mafic volcanics which

cross the centre of the property. Several stronger (+2,500 gamma) magnetic features are interpreted as discontinuous bands of oxide facies; chert, magnetite, banded iron formation.

8.5 Intrusives

Several generations of felsic and mafic intrusives occur on the property. Regional geology maps indicate that the Kasagiminnis Lake and Carling Lake granite plutons lie to the north and south of the property, respectively. These plutons may represent the sources for the numerous felsic dykes present.

Granite to granite-pegmatite dykes occur throughout the volcano-sedimentary sequence, with subordinate aplite and quartz-feldspar porphyry dykes, as encountered in drill core.

Massive carbonatized mafic dykes occur in the central mafic volcanic sequence and may represent late to syngenetic diabase.

A highly foliated mafic body was encountered in drill core from the northwestern part of the property. Geophysical and drill data indicates that the body may represent a late gabbro intrusive.

8.6 Metamorphism

Abundant amphibolite metacrysts in the mafic volcanics and argillaceous sediments indicate that the metamorphic grade on the property is lower amphibolite facies.

8.7 Structure

Geophysical and geological data suggests the presence of several crosscutting fault-shear zones trending northeast to southwest and northwest to southeast. Apparent lateral displacements along the faults are in the order of tens of feet.

Small scale folding occurs in the proximity of the fault-shear structures and may represent parasitic drag folds.

9.0 SUMMARY OF GEOPHYSICS

A central band of high magnetic susceptibility rock is interpreted as either magnetite-rich mafic to intermediate volcanics, or discontinuous bands of iron formation hosted in mafic volcanics.

A second high magnetic area, in the northwest corner of the property is interpreted as being fault bounded, sheared or folded mafic volcanics.

Eleven VLF-EM conductors with southeast-northwest trends are interpreted as mineralized horizons within four fault-shear systems. Another ten conductors may represent either sulphide/graphite horizons, or shears that are parallel to the stratigraphy.

10.0 DESCRIPTION OF PROGRAMS

10.1 Geological Mapping and Prospecting

Geological mapping and prospecting were carried out on a cut picket line grid. The grid has an east-west trending base-line with perpendicular lines cut at 400 foot intervals across the local stratigraphy. Tie lines were cut on long picket lines to ensure control.

Geological mapping was performed at a scale of 1 inch = 400 feet. During the mapping, grab samples were taken from shears, quartz veins and mineralized volcanics, sediments and intrusives. Geophysical anomalies were prospected and grab samples taken. A total of 152 grab samples were submitted for analysis by fire assay at Bondar-Clegg and Company Limited. All values were reported in parts per billion gold.

Sample locations and assay results are shown on the Geology map (map pocket). All sample descriptions and analyses are included in Appendix B. Rock analytical certificates are compiled in Appendix C.

10.2 Diamond Drilling Program

The diamond drilling program was contracted to Midwest Drilling of Winnipeg, Manitoba, which completed 7 BQ (1-7/16") diamond drill holes totalling 2,145 feet (see Table No. 1). The drilling was carried out between October 29, 1987 and November 24, 1987, under the supervision of Geocanex Ltd.

TABLE I SUMMARY TABLE OF DRILL HOLE DATA

Drillhole Number	Grid Location (metric)	Length (feet)	SUMMARY DESCRIPTION	Assay #	oz/Au/ ton	FOOTAGE From	To	Total	Sample Description
OCH-87-1	L42+50E, 33+00N	307	Siltstone overlying mafic flows, sequence intruded by numerous mafic dykes.	5515	.034	102.0	107.0	5.0	1-3% disseminated pyrite and pyrrhotite in epidote rich interflow in mafic flows.
				5526	.020	152.0	157.0	5.0	Silicified mafic flows 3-5% pyrrhotite and pyrite.
OCH-87-2	L12+00E, 15+00N	357	Mafic to intermediate flows and tuff hosting lean iron formation.	5577	.016	267.0	272.0	5.0	Mafic tuff, 1-2% pyrite.
OCH-87-3	L60+00W, 44+25S	306	Interbedded felsic to intermediate tuff (+ silicification) and mafic volcanics (± silicification).	5622	.012	220.3	222.4	2.1	Felsic to intermediate tuff band with 0.2 foot pyrrhotite stringer.
OCH-87-4	L34+00W, 26+75S	358	Interbedded mafic to intermediate volcanic, mafic flows and felsic to intermediate tuff crosscut by mafic intrusives and minor granite dykes.						
OCH-87-5	L54+00W, 3+00S	305	Hybrid gneissic mafic flows overlie felsic tuff. Mafic and minor intermediate flows which overlie mafic flows and tuff, minor granitic dykes.						
OCH-87-6	L64+00W, 38+00N	206	Mafic intrusive (foliated gabbro?) crosscut by minor quartz-feldspar porphyry intrusives.						
OCH-87-7	L58+50W, 9+00S	306	Felsic to intermediate tuffs overlie intermediate flows.	5768	.028	205.8	208.8	3.0	1-2% quartz-tourmaline veining in epidote rich horizon in felsic tuff.

Midwest Drilling provided room and board on site for both geological and drill crews. The camp was supplied by helicopter from the town of Pickle Lake.

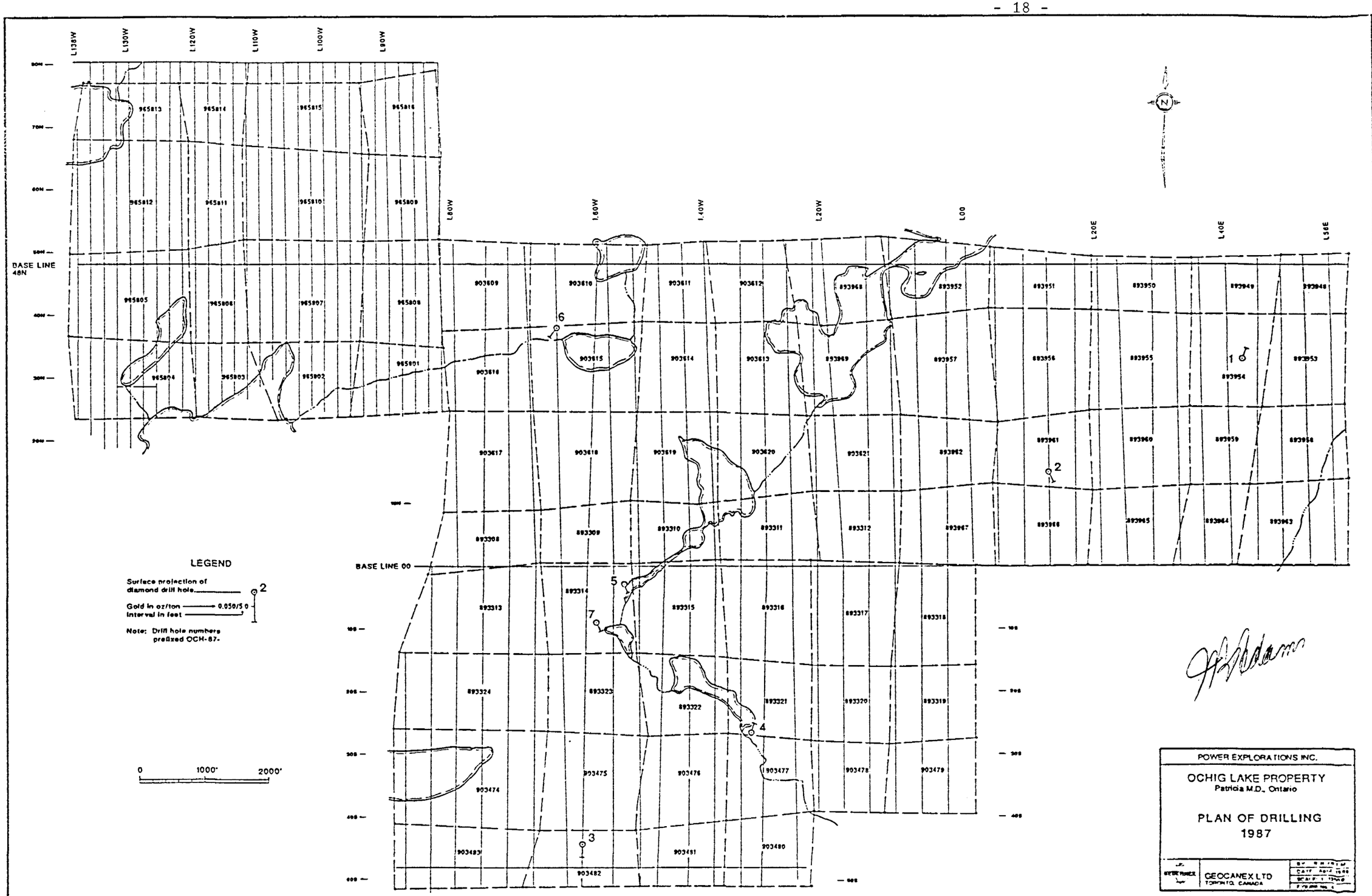
Detailed core logging was followed by sampling of favourable horizons. Samples consisted of halved core taken over measured intervals of 0.5 to 5.0 feet. Core samples were analyzed for gold by Bell-White Analytical Laboratories using standard fire assay techniques. All values were reported in ounces gold per ton.

Hole locations and assay highlights are shown in the Plan of Drilling (Fig. No. 4). Detailed logs with assay results are compiled in Appendix D. Drill sections and legend are shown in Appendix E. All assay certificates are compiled in Appendix F.

11.0 DISCUSSION OF RESULTS

During the current programs elevated gold values were obtained in both grab samples and drill core from two areas:

1. Elevated gold values were obtained from a grab sample and drill core taken from the mafic volcanic horizon which transects the property. Grab sample 1185 returned a gold value of 590 parts per billion (ppb). Several values ranging from .002 to .034 ounces gold per ton were returned from Holes OCH-87-1, 2 and 3. The gold values are associated, in each case, with zones of pyrite and pyrrhotite mineralization. Significant gold mineralization was reported by Higginson (1987, 1988) in a similar stratigraphic horizon on the adjacent Kasagiminnis property of joint venture partners Power Explorations Inc. and Moss Resources Ltd.



LEGEND

Surface projection of diamond drill hole. 2

Gold in oz/ton — 0.050/5.0
Interval in feet

Note: Drill hole numbers prefixed OCH-87-

0 1000' 2000'

POWER EXPLORATIONS INC.

OCHIG LAKE PROPERTY
Patricia M.D., Ontario

PLAN OF DRILLING
1987

GEOCANEX LTD
TORONTO, CANADA

2. Grab samples 15797 and 1138 returned gold values of 200 and 110 ppb, respectively. These samples are from different stratigraphic horizons, although both are located within 100 feet of geophysically inferred fault systems. Further investigation of one of the faults by Hole OCH-87-7 intersected 3.0 feet grading .028 ounces gold per ton, in a zone of altered felsic tuff and quartz-tourmaline veining with accessory pyrite.

12.0 CONCLUSIONS

The Ochig Lake property lies in the Dempster-Pickle Lakes greenstone belt, and is underlain by an east to northeast trending sequence of mafic volcanics and iron formation sandwiched between broad zones of sediments and pyroclastics.

Compilation of available geological, geophysical and geochemical data suggests several horizons and structures with potential for gold mineralization occur on the property. Anomalous gold values obtained from rock and drill core sampling indicate that gold mineralization occurs in association with:

1. Sulphide mineralization hosted in the central band of mafic volcanics and iron formation.

2. Within or in close proximity to several geophysically indicated fault-shear systems.

13.0 RECOMMENDATIONS

A two-phase exploration program is warranted and recommended for the property and would involve the following:

Phase I

Additional surface work including:

a) A detailed ground magnetometer survey with profiles at 100 foot spacings and readings at 10 to 20 foot intervals across the central band of elevated magnetics.

b) A Horizontal Loop Electromagnetic (HLEM) survey with profiles over selected VLF-EM axes to define potential zones of gold-bearing sulphides.

c) Power stripping-trenching, trench sampling and mapping to better define the nature and extent of potential gold-bearing structures and horizons.

Phase II

Diamond drilling of targets defined in Phase I.

14.0 ESTIMATED COST OF RECOMMENDED EXPLORATION PROGRAM

14.1 Phase 1

Linecutting:
30 miles at $350/mile----------$10,500.00

Detailed Ground Magnetometer Survey:
40 miles at $300/mile----------$12,000.00

Horizontal Loop Electromagnetic Survey:
20 miles at $300/mile----------$ 6,000.00

Power Stripping, Trench Sampling & Mapping:
Two geologists and two assistants for 15 days
at $1,000/day, all inclusive----------$15,000.00

Contingencies 20%----------$ 8,700.00

Total Cost of Phase I----------$52,200.00

14.2 Phase II

Diamond Drilling:
Amount and costs are contingent upon results of Phase I.

Respectfully submitted,

Robert A.V. Higginson, B.Sc.
Geocanex Ltd.

15.0 REFERENCES

Gillick, R.E., Report on Ground Magnetometer and VLF-EM Surveys on the Ochig Lake Property for Power Explorations Inc., August 1987, unpublished.

Higginson, R.A.V., Report on Diamond Drilling on the Kasagiminnis Lake Property for Power Explorations Inc., March 1987, unpublished.

Higginson, R.A.V., Report on Geological Mapping, Prospecting and Lithogeochemical Sampling on the Kasagiminnis Lake Property for Power Explorations Inc., August 1987, unpublished.

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

Ontario Geological Survey, Resident Geologists Files - Toronto and Sioux Lookout. Various unpublished assessment reports.

APPENDIX A

CERTIFICATE OF QUALIFICATION

CERTIFICATE OF QUALIFICATION

THIS IS TO CERTIFY THAT:

I am a resident of Oro Township, Ontario.

I am a graduate of the University of Waterloo, Waterloo, Ontario, with a degree in Bachelor of Science, Earth Science (Geology) Major.

I have worked continuously as an exploration geologist since 1984 in gold exploration in northwestern Ontario.

I supervised geological mapping and geochemical sampling programs on the Ochig Lake property, from July 3, 1987 to July 21, 1987.

The statements contained in this report, and conclusions reached, are based upon the study of all relevant assessment work records of the Ontario Geological Survey, and geological reports and maps published by the Ontario Ministry of Natural Resources.

In this report, I have disclosed all relevant descriptive and interpretative material, which is, to the best of my knowledge, necessary to gain a complete understanding of the viability of the project and the recommendations.

DATED THIS 9th DAY OF March, 1988

Robert A.V. Higginson, B.Sc.
Geologist

APPENDIX B

ROCK SAMPLE DESCRIPTIONS AND ANALYSES

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	28+50S,12+00W	silt sediment, fine to medium grained, bands of bt. interbedded	5
OC-LN12-02	1077	28+47S,12+00W	metasediment, pyrite weathered to limonite, bt. bands, fine-medium grained, trace pyrite (1-2%)	<5
OC-LN12-03	1078	28+35S,12+00W	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	10+30N,48+00W	3" QV perpendicular to foliation in metasediment	<5
RH-3	15799	09+80N,48+00W	massive rhyolite - rhyodacite flows with tr.-1% dissem. po., 5-10% chl. wisps	5
RH-4	15800	04+00N,48+20W	2" QV, irregular, in felsic volcanic muscovite, chl., lim. pockets, tr. S	15
OC-BH-13	1101	20+75S,72+38W	mafic pelite, well banded, thin felsic bands	5
OC-BH-14	1102	20+75S,72+00W	rhyolite tuff with quartz stringers	5
OC-BH-15	1103	20+75S,72+00W	mafic pelite, chl. + amphibole	10
OC-BH-17	1104	15+00S,72+00W	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	32+50S,35+39W	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	33+00S,36+00W	granite stringers (1/4") discordant with int. mafic, bt. bands	<5
OC-BH-20	1113	32+75S,36+20W	QTV (8" wide), smoky, traces of sulphides	<5
OC-BH-21	1114	32+00S,36+75W	QTV 4' wide, clean, with trace of sulphides	<5
OC-BH-22	1115	31+50S,36+75W	QTV with granite stringer, 2" wide in a mafic sediment (pelite)	5
OC-BH-23	1116	31+50S,36+75W	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	07+70S,72+00W	2' x 6" Q pod, lim.-hem. stain, chl. inclusions, on metased-tuff contact	<5
RH-6	1124	19+80S,80+20W	as above	<5
RH-7	1125	12+60S,59+50W	2" QV in fel. tuff, lim.-hem. stain	<5
RH-8	1126	22+50S,57+00W	2" to 6" irreg. QV or stockwork in felsic band hosted in mafic tuff	<5
RH-9	1127	18+00S,56+00W	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	24+20S,40+55W	8" QTV, no sulphides	<5
OC-BH-27	1131	26+15S,40+90W	mafic seds., trace of sulphides	<5
OC-BH-28	1132	20+00S,44+90W	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	17+00S,53+40W	1" Q vein, iron staining, traces of py.	110
OC-BH-35	1139	17+00S,53+40W	felsic seds., chloritic and feldspathic bands	<5
RH-10	1140	03+20N,72+40W	foldnose in mafic tuff with quartz bleb	<5
RH-11	1141	03+20N,72+40W	irregular quartz pod at contact between felsic and mafic tuff	<5
RH-12	1142	04+30N,71+70W	irregular quartz stringers and pods, clean, 1-2% K-spar laths	5
RH-13	1143	07+20N,80+00W	3" QV, clean, minor hem. stain, in metasediments	<5
JD-LO-50	1144	01+50N,64+00W	pelitic sed. with narrow po. stringers, hematite staining, 2-3% cc.	<5
JD-LO-51	1145	01+60N,64+20W	as per 1144	<5

LITTLE OCHIG

GRAB SAMPLE DESCRIPTIONS

Sample No.	Assay No.	Location	Description	Assay Au ppb
JD-LO-52	1146	01+60N,64+20W	as per 1144 with 1/4" wide granitic dyke	<5
JD-LO-53	1147	03+00N,64+20W	2" wide QV with minor limonite staining, musc. in pelitic seds.	<5
JD-LO-54	1148	03+00N,64+20W	2" wide QV with 0.5-1% msv. pyrite in seds.	20
JD-LO-55	1149	12+20N,63+00W	3" wide QV with minor epidote	30
JD-LO-56	1150	BLO,67+00W	coarse grained granitic dyke with musc. and epidote	<5
JD-LO-57	1151	00+10N,66+50W	2" QV, clean in pelitic seds.	<5
JD-LO-58	1152	00+10N,66+50W	seds. with heavy limonite staining, minor hematite staining, trace po.	<5
JD-LO-59	1153	02+20N,84+20W	1" wide QV, minor limonite staining, in mvlc	<5
JD-LO-60	1154	02+20N,84+20W	fine grained felsic with 2-3% gnts., minor limonite staining	5
JD-LO-61	1155	02+20N,84+20W	mvlc with abundant gnts., limonite staining along fracture planes, 0.5-1% pyrite	<5
JD-LO-62	1156	02+00N,84+50W	mvlc with qtz. stringers, 5-7% gnts. limonite staining	10
JD-LO-63	1157	00+30N,84+20W	Qtz. pod (8" x 1') in seds., clean	<5
JD-LO-64	1158	03+25S,86+00W	6" wide QV, 0.5-1% py., minor epidote and limonite staining	<5
JD-LO-65	1159	06+00S,84+00W	felsic tuff with 1-2% py., heavy limonite staining	<5
JD-LO-66	1160	12+00S,83+50W	4" wide granite pegmatic dyke crosscutting seds. and mvlc	<5
JD-LO-67	1161	14+50S,64+00W	8" wide QV, limonite staining near contact with seds.	<5
JD-LO-68	1162	14+50S,64+00W	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	06+00S,65+80W	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	28+40S,48+20W	10" QV with minor limonite staining near contact with mvlc.	<5
	OP-3	1183	28+40S,48+20W	B.I.F., limonite staining, trace-2% py + po.	15
	OP-4	1184	28+40S,48+00W	2" QV in weak B.I.F., trace sulphides	<5
	OP-5	1185	27+70S,48+30W	2" QV in mafic tuff, minor limonite staining, epidote pods in w.r.	590
	OP-6	1186	26+00S,47+50W	mafic tuff with heavy limonite staining, trace-0.5% pyrite	10
	OP-7	1187	26+00S,47+50W	3" QV with heavy limonite and hematite staining, in mafic tuff	<5
	OP-8	1188	25+40S,47+70W	6" QV, broken up and folded, hematite and limonite staining near contact with mvlc.	<5
	OP-9	1189	34+50S,40+50W	mvlc. with chert blebs, trace-1% py + po., heavy limonite staining	<5
	OB-1	1190	26+30S,44+80W	10" QV in mafic volcanics, minor limonite staining	<5
	OB-2	1191	25+00S,44+00W	4" QV in contact with mafic seds., trace of sulphides	<5
	OB-3	1192	31+50S,39+50W	mafic tuff, trace of sulphides, limonite staining	<5
	OB-4	1193	31+50S,39+50W	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

* Note: Samples JD-01, X-1 and X-2 were taken off of the property, 400 feet west of Claim 893308.

APPENDIX C

ROCK SAMPLE ASSAY CERTIFICATES

Bondar-Clegg & Company Ltd.
5420 [redacted]k Rd.,
Ottaw[redacted]tario,
Canada K1J 8X5
Phone: (613) 749-2220
Telex: 053-3233

BONDAR-CLEGG

Geochemical Lab Report

GEOCANEX LIMITED
1003-34 KING ST. E.
TORONTO, ONTARIO
M5C 1E5

Date Rec'd 7/8/82
To: H.J.H.
J.H.A.
J.M.H.
Geo.
File: Geo.

Bondar-Clegg & Company Ltd.
5420 [redacted]ck Rd.,
Otta[redacted]tario,
Canada K1J 8X5
Phone: (613) 749-2220
Telex: 053-3233

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	EXTRACTION	METHOD
1	Au	Gold	20	5 PPB	AQUA REGIA	FA-AA @ 10 gm weight

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

REMARKS: < MEANS LESS THAN.

REPORT COPIES TO: GEOCANEX
R. HIGGINSON

INVOICE TO: GEOCANEX

Bondar-Clegg & Company Ltd.
5420 [redacted] Rd.,
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BONDAR-CLEGG

Geochemical Lab Report

REPORT: 017-3136

PROJECT: LITTLE GCHIG 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

Bon[redacted]egg & Company Ltd.
5420 [redacted]tek Rd.,
Ottawa, Ontario,
Canada K1J 8X5
Phone: (613) 749-2220
Telex: 053-3233

BONDAR-CLEGG

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

REPORT COPIES TO: GEOCANEX
R. HIGGINSON

INVOICE TO: GEOCANEX

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BONDAR-CLEGG

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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BONDAR-CLEGG

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

REPORT COPIES TO: GEOCANEX
R. HIGGINSON

INVOICE TO: GEOCANEX

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BONDAR-CLEGG

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-BAAS (COMPLETE)

REFERENCE INFO:

CLIENT: GEOMEX LIMITED
PROJECT: LITTLE DOMIC

SUBMITTED BY: R. HIGGINSON
DATE PRINTED: 4-AUG-87

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold	28	5 PPB	AQUA REGIA	FA-AA @ 10 gm weight

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK	28	-200	28	CRUSH,PULVERIZE -200	28

REMARKS: < MEANS LESS THAN

REPORT COPIES TO: H. HODGE
R. HIGGINSON

INVOICE TO: H. HODGE

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Geochemical Lab Report

REPORT: 017-0445	PROJECT: LITTLE CHRIS	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		10
1117		15
1118		<5
1119		<5
1120		5
1121		10
1122		5
1123		<5
1124		<5
15797		300
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

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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			

APPENDIX D

DIAMOND DRILL LOGS

DIAMOND DRILL RECORD

NAME OF PROPERTY: OCHIG LAKE
HOLE NO.: OCH-87-1 LENGTH: 307.0'
LOCATION: 42+50E, 33+00N
LATITUDE: _____ DEPARTURE: _____
ELEVATION: _____ AZIMUTH: 20° DIP: -46°
STARTED: October 29/87 FINISHED: November 1/87

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0.0	-46°				
307.0	-44°				

HOLE NO. OCH-87-1 SHEET NO. 1 of 1
REMARKS PA893954

SUMMARY LOG

LOGGED BY: R. Higginson

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION SUMMARY LOG	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS OZ/TON	
0.0	50.0	CASING.										
50.0	77.9	MAFIC FLOWS.										
77.9	78.7	MAFIC INTRUSIVE.										
78.7	135.4	MAFIC FLOWS.										
135.4	177.6	SILICIFIED MAFIC FLOWS.										
177.6	212.0	MAFIC FLOWS.										
212.0	212.5	MAFIC INTRUSIVE.										
212.5	215.5	MAFIC FLOWS.										
215.5	216.2	MAFIC INTRUSIVE.										
216.2	222.7	MAFIC FLOWS.										
222.7	238.6	SANDSTONE - SILTSTONE.										
238.6	239.3	MAFIC INTRUSIVE.										
239.3	277.9	SANDSTONE - SILTSTONE.										
277.9	278.8	MAFIC INTRUSIVE.										
278.8	307.0	SANDSTONE - SILTSTONE.										
	307.0	E.O.H.										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: OCHIG LAKE
HOLE NO. OCH-87-1 LENGTH 307.0'
LOCATION 42+50E, 33+00N
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 20° DIP -46°
STARTED October 29/87 FINISHED November 1/87

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0.0	-46°				
307.0	-44°				

HOLE NO. OCH-87-1 SHEET NO. 1 of 3
REMARKS PA893954

LOGGED BY R. Higginson

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS OZ/TON
0.0	50.0	Casing.									
50.0	77.9	Mafic Flows - dark green to black, fine to medium grained, massive to slightly foliated.	5501	1-3	50.0	53.5	3.5			tr	
		Modal percent: Amphibole 50-55%	5502	1-3	53.5	57.0	3.5			tr	
		Plagioclase 30-35%	5503	1-3	57.0	62.0	5.0			tr	
		Quartz 5-7%	5504	1-3	62.0	67.0	5.0			tr	
		Carbonate 0.5-1%	5505	1-3	67.0	72.0	5.0			tr	
		Epidote 1-2%	5506	1-3	72.0	75.0	5.0			tr	
			5507	1-3	75.0	77.9	2.9			tr	
		Amphibolitic, common quartz-epidote bands and irregular quartz-plagioclase blobs, minor quartz-carbonate stringers, trace pyrite in massive flows, 1-3% pyrite and pyprrhotite in interflow bands.									
77.9	78.7	Mafic Intrusive - dark green, fine grained groundmass with black medium grained phenocrysts.	5508		77.9	78.7	0.8			tr	
		Modal percent: Amphibole 60-65%									
		Chlorite 10-15%									
		Carbonate 5-10%									
		Plagioclase 5-10%									
		Medium grained phenocrysts of chlorite, discordant, irregular to sharp contacts, irregular contact at 77.9', contact at 32° to core axis at 78.7'.									
78.7	135.4	Mafic Flows - typical, as above, foliation at 47° to core axis at 130.0', fracturing at 33° to core axis at 128.0', 52° at 159.0'.									
		- 78.7' - 84.3' - typical, fine grained.	5509	1-3	78.7	81.7	3.0			tr	
			5510	1-3	81.7	84.3	2.6			tr	
		- 84.3' - 122.0' - mottled, abundant (3-10%) quartz-plagioclase-epidote-carbonate stringers, bands	5511	1-3	84.3	87.0	2.7			tr	
			5512	1-3	87.0	92.0	5.0			tr	

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY OCHIG LAKE

HOLE NO. OCH-87-1 SHEET NO. 2 of 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS OZ TON
78.7	135.4	Cont'd.									
		and blobs with 1-3% pyrite and pyrrhotite as disseminated grains, 5-7% biotite.	5513	1-3	92.0	97.0	5.0			tr	
			5514	1-3	97.0	102.0	5.0			.002	
			5515	1-3	102.0	107.0	5.0			.034	
			5516	1-3	107.0	112.0	5.0			tr	
			5517	1-3	112.0	117.0	5.0			.008	
			5518	1-3	117.0	122.0	5.0			tr	
		- 122.0' - 125.3' - typical, 2-3% felted amphibole grains.	5519	1-3	122.0	125.3	3.3			tr	
		- 125.3' - 135.4' - crudely banded to massive, 3-5% chlorite bands, 2-3% quartz-carbonate stringers, 2-3% felted amphibole.	5520	1-3	125.3	130.3	5.0			tr	
			5521	1-3	130.3	135.4	5.1			tr	
135.4	177.6	Silicified Mafic Flows - dark grey to dark green, medium to coarse grained, massive.	5522	3-5	135.4	138.0	2.6			tr	
			5523	3-5	138.0	142.0	4.0			.006	
			5524	3-5	142.0	147.0	5.0			.002	
		Modal percent: Quartz, Plagioclase] 45-50%	5525	3-5	147.0	152.0	5.0			.008	
		Amphibole 30-35%	5526	3-5	152.0	157.0	5.0			.020	
		Chlorite 5-7%	5527	3-5	157.0	162.0	5.0			.008	
		Pyrrhotite, Pyrite] 3-5%	5528	3-5	162.0	167.0	5.0			.006	
			5529	3-5	167.0	172.0	5.0			.006	
		Carbonate 2-3%	5530	3-5	172.0	175.0	3.0			.002	
			5531	3-5	175.0	177.6	2.6			tr	
		Fine grained aggregates of quartz-feldspar, coarse-grained irregular amphibole grains, 2-3% irregular-quartz-carbonate stringers, dis-s minated fine to medium grained pyrrhotite and pyrite blebs.									
177.6	212.0	Mafic Flows - medium grained, atypical. 5-10% quartz-carbonate stringers, competant - few fractures, trace-0.5% pyrite, 1-2% pyrrhotite, fracturing at 62° to core axis at 198.0'.	5532	1-2	177.6	182.0	4.4			tr	
			5533	1-2	182.0	187.0	5.0			tr	
			5534	1-2	187.0	192.0	5.0			tr	
			5535	1-2	192.0	197.0	5.0			tr	
			5536	1-2	197.0	202.0	5.0			tr	
			5537	1-2	202.0	207.0	5.0			tr	
			5538	1-2	207.0	212.0	5.0			.002	
212.0	212.5	Mafic Intrusive - as above, contacts at 70° to core axis 212.5', 70° at 212.0'.									

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY OCHIG LAKE

HOLE NO. OCH-87-1 SHEET NO. 3 of 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON Au	ASSAYS OZ TON	ASSAYS
212.5	215.5	Mafic Flows - medium grained, atypical, as above.	5539	1-2	212.0	216.2	4.2			.002		
215.5	216.2	Mafic Intrusive - typical, contact at 53° to core axis at 216.2', 70° at 215.5'.										
216.2	222.7	Mafic Flows - medium grained, atypical, as above.	5540	1-2	216.2	219.2	3.0			tr		
			5541	1-2	219.2	222.7	3.5			tr		
222.7	238.6	Sandstone - Siltstone - dark grey, very fine grained to fine grained, banded to massive. Modal percent: Quartz 55-60%; Plagioclase, Orthoclase] 30-35%; Biotite 2-3%; Actinolite, Tremolite] 1-2%. Silt to very fine sand-sized particles, granular texture, with minor aligned needles of amphibole and laths of biotite, very competant, few widely spaced fractures, banding at 47° to core axis at 223.0', 40° at 238.0', fractures at 47° to core axis at 231.5', 32° at 238.0'.	5542		222.7	227.7	5.0			tr		
238.6	239.3	Mafic Intrusive - typical, contact at 68° to core axis at 238.6', 50° at 239.5'.	5543		237.0	240.0	3.0			tr		
239.3	277.9	Sandstone - Siltstone - as above, 3-5% amphibole, as fine grains, banding at 44° to core axis 247.0', 42° at 268.0', fractures at 41° to core axis at 259.0', 38° at 265.0'.										
277.9	278.8	Mafic Intrusive - typical with medium to coarse grained felted chlorite grains contacts at 37° to core axis.	5544		277.0	280.0	3.0			tr		
278.8	307.0	Sandstone - Siltstone - as above, banding at 32° to core axis at 292.0', 45° at 306.0', fracturing at 51° to core axis at 306.0'.	5545		302.0	307.0	5.0			tr		
	307.0	E.O.H.										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: OCHIG LAKE
HOLE NO.: OCH-87-2 LENGTH: 357.0'
LOCATION: 12+00E, 15+00N
LATITUDE: _____ DEPARTURE: _____
ELEVATION: _____ AZIMUTH: 160° DIP: -47°
STARTED: November 2/87 FINISHED: November 5/87

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0.0	47°				
200.0	46°				
357.0	41°				

HOLE NO. OCH-87-2 SHEET NO. 1 of 1
REMARKS PA893961

SUMMARY LOG

LOGGED BY R. Higginson

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION SUMMARY LOG	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/Au ton	ASSAYS oz/ton	ASSAYS
0.0	31.0	CASING.										
31.0	171.8	MAFIC TO INTERMEDIATE VOLCANICS.										
171.8	177.2	CHERT - LEAN BANDED IRON FORMATION.										
177.2	182.0	MAFIC TO INTERMEDIATE FLOWS.										
182.0	262.6	MAFIC TUFF AND LEAN IRON FORMATION.										
262.6	281.3	MAFIC TUFF.										
281.3	286.1	MAFIC FLOWS - fine grained.										
286.1	357.0	MAFIC FLOWS - medium grained.										
	357.0	E.O.H.										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: OCHIG LAKE
HOLE NO. OCH-87-2 LENGTH 357.0'
LOCATION 12+00E, 15+00N
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 160° DIP -47°
STARTED November 2/87 FINISHED November 5/87

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0.0	47°				
200.0	46°				
357.0	41°				

HOLE NO. OCH-87-2 SHEET NO. 1 of 3
REMARKS PA893961
LOGGED BY R. Higginson

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS OZ/TON
0.0	31.0	Casing.									
31.0	171.8	Mafic to Intermediate Volcanics - grey to dark green, fine to medium grained, massive to banded.	5546	tr	31.0	36.0	5.0			tr	
		Modal percent: Amphibole 40-45%; Quartz, Plagioclase 35-40%; Biotite 5-7%; Chlorite 3-5%; Carbonate 2-3%									
		Medium grained feathery amphiboles in fine grained quartz-plagioclase-amphibole groundmass, few fractures, 2-3% quartz-carbonate stringers, trace pyrite, fractures at 54° to core axis at 118.0', 51° at 148.0', 38° at 164.0'.									
		- 53.8' - 64.5' - chloritized amphibole grains.	5547	tr	53.8	57.0	3.2			tr	
			5548	tr	57.0	62.0	5.0			tr	
			5549	tr	62.0	64.5	2.5			tr	
		- 79.0' - 88.3' - fine grained, few medium grained amphibole bands or grains.	5550	tr	79.0	82.0	3.0			tr	
			5551	tr	82.0	86.0	4.0			tr	
			5552	tr	86.0	88.3	2.3			tr	
			5553	tr	112.0	117.0	5.0			.004	
			5554	tr	142.0	147.0	5.0			tr	
			5555	tr	167.0	171.8	4.8			tr	
171.8	177.2	Chert - Lean Banded Iron Formation - dark grey, fine grained, mottled to massive.	5556	tr	171.8	174.0	2.2			tr	
			5557	tr	174.0	177.2	3.2			tr	
		modal percent: Quartz 45-50%; Amphibole 35-40%; Chlorite 5-7%; Magnetite 1-3%									

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY OCHIG LAKE

HOLE NO. OCH-87-2 SHEET NO. 2 of 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ TON	ASSAYS OZ TON
171.8	177.2	Cont'd. Disseminated, fine grained magnetite grains in felsic groundmass with medium grained amphibole as streaked-wispy bands, fractures at 70° and 28° to core axis.									
177.2	182.0	Mafic to Intermediate Flows - typical as above, massive.	5558	tr	177.2	182.0	4.8			tr	
182.0	262.6	Mafic Tuff and Lean Iron Formation - dark green to dark grey, mottled to massive to banded, fine to medium grained.	5559	1-3	182.0	187.0	5.0			tr	
		Modal percent: Amphibole, Quartz, Plagioclase] 35-40%; Chlorite 5-10%; Magnetite 3-5%; Pyrite 1-3%; Garnet 0.5-2%; Carbonate trace	5560	1-3	187.0	192.0	5.0			tr	
			5561	1-3	192.0	197.0	5.0			tr	
			5562	1-3	197.0	202.0	5.0			tr	
			5563	1-3	202.0	207.0	5.0			tr	
			5564	1-3	207.0	212.0	5.0			tr	
			5565	1-3	212.0	217.0	5.0			tr	
			5566	1-3	217.0	222.0	5.0			tr	
			5567	1-3	222.0	227.0	5.0			tr	
			5568	1-3	227.0	232.0	5.0			tr	
		Subidiomorphic, disseminated, medium grained pink garnet porphyroblasts, garnets with minor carbonate, 1-2% quartz-carbonate stringers, magnetite as grains and blebs in amphibole bands, pyrite as stringers, blebs and fracture fill. Fractures at 45° to core axis at 189.0', 8° at 217.0', banding-foliation 24° to core axis at 249.0'.	5569	1-3	232.0	237.0	5.0			tr	
			5570	1-3	237.0	242.0	5.0			.008	
			5571	1-3	242.0	247.0	5.0			tr	
			5572	1-3	247.0	252.0	5.0			tr	
			5573	1-3	252.0	257.0	5.0			tr	
			5574	1-3	257.0	260.0	3.0			tr	
		- 207.7' - 208.3' - banded quartz-carbonate vein, clean.	5575	1-3	260.0	262.6	2.6			tr	
262.6	281.3	Mafic Tuff - dark grey to dark green, fine grained, banded.	5576	1-2	262.6	267.0	4.4			tr	
		Modal percent: Amphibole, Quartz, Plagioclase]; Biotite 5-10%; Chlorite 3-5%; Carbonate 1-2%; Pyrite 1-2%; Pyrrhotite tr-1%; Magnetite trace; Garnet trace	5577	1-2	267.0	272.0	5.0			.016	
			5578	1-2	272.0	277.0	5.0			tr	
			5579	1-2	277.0	281.3	4.3			tr	

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY OCHIG LAKE

HOLE NO. OCH-87-2 SHEET NO. 3 of 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS OZ TON
262.6	281.3	Cont'd. Frequent folded and distorted banding, chlorite and biotite as bands, 2-5% quartz-carbonate stringers, 1-2% pyrite as disseminated grains, blebs on fractures, distorted banding subparallel to core axis between 265.0' and 275.0'.									
281.3	286.1	Mafic Flows - dark green, fine grained, massive. Modal percent: Amphibole 50-55% Plagioclase 40-45% Quartz, Carbonate] 1-2%									
		Amphibolitic, few widely spaced fractures.	5580		281.3	284.1	2.8			.002	
		- 284.1' - 286.1' - 2-3% quartz-carbonate stringers with 1-2% pyrite, 2-3% graphite.	5581	1-2	284.1	286.1	2.0			.002	
286.1	357.0	Mafic Flows - as above, medium grained, abundant wispy albite grains, 1-2% quartz-carbonate stringers, trace-0.5% pyrite.	5582	tr	286.1	291.1	5.0			tr	
		- 312.4' - 314.3' - quartz vein, trace disseminated pyrite.	5583	tr	312.4	314.3	1.9			tr	
		- 317.0' - 332.0' - 1-2% quartz-carbonate stringers and veins with 1-2% disseminated pyrite.	5584	1-2	317.0	322.0	5.0			tr	
			5585	1-2	322.0	327.0	5.0			tr	
			5586	1-2	327.0	332.0	5.0			tr	
		Fracturing at 40° and 56° to core axis at 304.0', 62° at 355.0'.									
	357.0	E.O.H.									

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: OCHIG LAKE
HOLE NO.: OCH-87-3 LENGTH: 306.0'
LOCATION: 60+00W, 44+25S
LATITUDE: _____ DEPARTURE: _____
ELEVATION: _____ AZIMUTH: 180° DIP: -47°
STARTED: November 6/87 FINISHED: November 7/87

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0.0	47°				
306.0	40°				

HOLE NO. OCH-87-3 SHEET NO. 1 of 1
REMARKS PA903482
SUMMARY LOG
LOGGED BY R. Higginson

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION SUMMARY LOG	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS OZ/TON	
0.0	57.0	CASING.										
57.0	206.5	FELSIC TO INTERMEDIATE TUFF.										
206.5	214.6	SILICIFIED, FELSIC TO INTERMEDIATE TUFF - 1-10% pyrrhotite, 1-5% pyrite.										
214.6	220.3	SILICIFIED MAFIC VOLCANIC - 3-5% pyrrhotite, pyrite.										
220.3	222.4	FELSIC TO INTERMEDIATE TUFF.										
222.4	228.2	SILICIFIED MAFIC VOLCANIC.										
228.2	235.1	SILICIFIED FELSIC TO INTERMEDIATE TUFF.										
235.1	240.8	FELSIC TO INTERMEDIATE TUFF - 5-10% garnet.										
240.8	306.0	FELSIC TO INTERMEDIATE TUFF.										
	306.0	E.O.H.										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: OCHIG LAKE
HOLE NO. OCH-87-3 LENGTH 306.0'
LOCATION 60+00W, 44+25S
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 180° DIP -47°
STARTED November 6/87 FINISHED November 7/87

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0.0	47°				
306.0	40°				

HOLE NO. OCH-87-3 SHEET NO. 1 of 4
REMARKS PA903482
LOGGED BY R. Higginson

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au oz/ton	ASSAYS oz/ton
0.0	57.0	Casing.									
57.0	206.5	Felsic to Intermediate Tuff - dark to light grey, fine grained, massive bands to banded to schistose.									
		Modal percent: Quartz, Feldspar 45-50%									
		Sericite 25-30%									
		Amphibole 5-10%									
		Chlorite 3-5%									
		Garnet 2-3%									
		Carbonate 1-2%									
		Pyrite 1-2%									
		Arsenopyrite tr-0.5%									
		Disseminated fine to medium subidiomorphic pink garnet prophyroblasts, irregular to elliptical clasts of plagioclase, fine grain disseminated arsenopyrite as aggregates of grains, pyrite as disseminated grains, stringers, blebs and fracture coatings, minor coarse grained vuggy blebs in quartz stringers, 1-2% quartz-carbonate stringers. Foliation averages 55° to core axis. Fractures at 30° to 34° to core axis between 60.0' and 111.0', 40° to 42° between 127.0' and 206.5'.	5587	1-2	57.0	62.0	5.0			tr	
			5588	1-2	62.0	67.0	5.0			tr	
			5589	1-2	67.0	72.0	5.0			tr	
			5590	1-2	72.0	77.0	5.0			.002	
			5591	1-2	77.0	82.0	5.0			tr	
			5592	1-2	82.0	87.0	5.0			.002	
			5593	1-2	87.0	92.0	5.0			tr	
			5594	1-2	92.0	97.0	5.0			tr	
		- 97.0' - 102.0' - 2-3% disseminated pyrite, ½" quartz stringer with coarse grained pyrite blebs.	5595	2-3	97.0	102.0	5.0			.004	
			5596	1-2	102.0	107.0	5.0			tr	
			5597	1-2	107.0	112.0	5.0			tr	
			5598	1-2	112.0	117.0	5.0			tr	
			5599	1-2	117.0	122.0	5.0			tr	
			5600	1-2	122.0	127.0	5.0			tr	
			5601	1-2	127.0	132.0	5.0			tr	
			5602	1-2	132.0	137.0	5.0			.006	
			5603	1-2	137.0	142.0	5.0			tr	
			5604	1-2	142.0	147.0	5.0			tr	

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY OCHIG LAKE

HOLE NO. OCH-87-3 SHEET NO. 2 of 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS OZ TON	ASSAYS
57.0	206.5	Cont'd.										
		- 147.0' - 206.5' - highly fractured, 2-3% pyrite as fracture fillings and stringers, minor graphite grains. 3-5% grunerite as stubby prisms.	5605	2-3	147.0	152.0	5.0			tr		
			5606	2-3	152.0	157.0	5.0			tr		
			5607	2-3	157.0	162.0	5.0			tr		
			5608	2-3	162.0	167.0	5.0			tr		
			5609	2-3	167.0	172.0	5.0			tr		
			5610	2-3	172.0	177.0	5.0			tr		
			5611	2-3	177.0	182.0	5.0			tr		
			5612	2-3	182.0	187.0	5.0			tr		
			5613	2-3	187.0	192.0	5.0			tr		
			5614	2-3	192.0	197.0	5.0			tr		
			5615	2-3	197.0	202.0	5.0			tr		
			5616	2-3	202.0	206.5	4.5			tr		
206.5	214.6	Silicified, Felsic to Intermediate Tuff - light to dark grey to white, fine grained, banded. Modal percent: Quartz 40-45%; Sericite 35-40%; Amphibole 3-5%; Pyrrhotite, Pyrite] 2-10%. Siliceous - cherty, 1-10% pyrrhotite, 1-5% pyrite, as massive stringers, wispy blebs and fracture fillings, foliation at 55° to core axis at 206.5', fracture at 40° to core axis at 207.5'.										
		- 206.5' - 209.3' - 1-2% wispy pyrrhotite blebs.	5617	1-2	206.5	209.3	2.8			tr		
		- 209.3' - 210.3' - 2-3% wispy pyrrhotite blebs.	5618	1-3	209.3	211.8	2.5			tr		
		- 210.3' - 211.8' - 1-2% wispy pyrrhotite blebs.										
		- 211.8' - 214.6' - massive sulphide stringers, 60% pyrrhotite, 2-3% pyrite nodules, 35-40% rounded quartz grains.	5619	60	211.8	214.6	2.8			tr		
214.6	220.3	Silicified Mafic Volcanic - dark grey to dark green, fine to medium grained, massive. Modal percent: Amphibole 40-45%; Plagioclase 20-25%; Quartz 10-15%.	5620	3-5	214.6	217.0	2.4			tr		
			5621	3-5	217.0	220.3	3.3			tr		

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY OCHIG LAKE

HOLE NO. OCH-87-3 SHEET NO. 3 of 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS OZ/TON	
214.6	220.3	Cont'd. Chlorite 3-5% Pyrrhotite, Pyrite] 3-5% Garnet 2-3% Carbonate 1-2% Amphibolitic, medium grained amphiboles in fine grained groundmass, disseminated medium grained, subidiomorphic pink garnets with pyrite as cores or mantles, 0.1 foot vuggy pyrite-quartz tringer at upper contact.										
220.3	222.4	Felsic to Intermediate Tuff - typical, 0.2 foot massive pyrrhotite stringers. - 221.9' - 222.4' - quartz vein, 3-5% pyrrhotite stringers.	5622	3-5	220.3	222.4	2.1			.012		
222.4	228.2	Silicified Mafic Volcanic - as above.	5623 5624	3-5 3-5	222.4 225.0	225.0 228.2	2.6 3.2			tr tr		
228.2	235.1	Silicified Felsic to Intermediate Tuff - as above, 2-3% quartz-carbonate stringers. - 233.8' - 234.0' - massive sulphide stringer, 60% pyrrhotite 3-5% pyrite nodules. Foliation at 60° to core axis at 233.0'.	5625 5626	tr 10	228.2 233.3	233.3 235.1	5.1 1.8			tr tr		
235.1	240.8	Felsic to Intermediate Tuff - atypical, 5-10% medium to fine grained garnets, 5-7% stubby fine grained grunerite grains, foliation at 60° to core axis at 240.8'.	5627 5628	1-2 1-2	235.1 237.1	237.1 240.8	2.0 3.7			tr .008		
240.8	306.0	Felsic to Intermediate Tuff - typical foliation at 62° to core axis at 257.0'. - 257.0' - 276.0' - ½" quartz stringer, 2-3% pyrite and tourmaline.	5629	1-2	240.8	244.0	3.2			tr		
			5630 5631 5632 5633 5634 5635	1-2 1-2 1-2 1-2 1-2 1-2	244.0 247.0 252.0 257.0 262.0 267.0	247.0 252.0 257.0 262.0 267.0 272.0	3.0 5.0 5.0 5.0 5.0 5.0			tr tr .002 tr tr tr		

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY OCHIG LAKE

HOLE NO. OCH-87-3 SHEET NO. 4 of 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au oz/ton	ASSAYS oz ton	
240.8	306.0	Cont'd.	5636	1-2	272.0	275.0	3.0			tr		
			5637	2-3	275.0	276.0	1.0			tr		
			5638	1-2	276.0	280.0	4.0			tr		
			5639	1-2	280.0	282.0	2.0			tr		
			5640	1-2	282.0	287.0	5.0			tr		
			5641	1-2	287.0	292.0	5.0			tr		
			5642	1-2	292.0	297.0	5.0			tr		
			5643	1-2	297.0	302.0	5.0			tr		
			5644	1-2	302.0	306.0	4.0			tr		
	306.0	E.O.H.										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: OCHIG LAKE
HOLE NO.: OCH-87-4 LENGTH: 358.0'
LOCATION: 34+00W, 26+75S
LATITUDE: _____ DEPARTURE: _____
ELEVATION: _____ AZIMUTH: 020° DIP: 46°
STARTED: November 8/87 FINISHED: November 10/87

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0.0	46°				
200.0	43°				
358.0	38.5°				

HOLE NO. OCH-87-4 SHEET NO. 1 of 2
REMARKS PA903477
PA893321
SUMMARY LOG
LOGGED BY R. Higginson

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION SUMMARY LOG	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS OZ/TON	
0.0	13.5	CASING.										
13.5	44.0	MAFIC TO INTERMEDIATE VOLCANIC.										
44.0	47.0	GRANITE DYKELET.										
47.0	70.7	MAFIC TO INTERMEDIATE VOLCANIC.										
70.7	73.6	APLITE DYKE.										
73.6	106.4	MAFIC FLOWS.										
106.4	125.0	MAFIC TUFF.										
125.0	130.0	FELSIC TO INTERMEDIATE TUFF.										
130.0	142.4	FELSIC TUFF.										
142.4	163.7	MAFIC FLOWS.										
163.7	166.2	GRANITE DYKE.										
166.2	262.4	FELSIC TO INTERMEDIATE TUFF.										
262.4	263.7	MAFIC INTRUSIVE.										
263.7	272.5	MAFIC FLOWS.										
272.5	273.0	MAFIC INTRUSIVE.										
273.0	294.1	MAFIC FLOWS.										
294.1	294.8	MAFIC INTRUSIVE.										
294.8	312.3	MAFIC FLOWS AND MAFIC INTRUSIVE (DYKE) SWARM.										
312.3	313.5	GRANITE DYKE.										
313.5	315.6	TOURMALINITE.										
315.6	320.2	MAFIC INTRUSIVE.										

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY OCHIG LAKE

HOLE NO. OCH-87-4 SHEET NO. 2 of 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ TON	ASSAYS OZ TON	
320.2	324.4	FELSIC TO INTERMEDIATE TUFF.										
324.4	325.4	MAFIC INTRUSIVE.										
325.4	358.0	FELSIC TO INTERMEDIATE TUFF.										
	358.0	E.O.H.										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: OCHIG LAKE
HOLE NO.: OCH-87-4 LENGTH: 358.0'
LOCATION: 34+00W, 26+75S
LATITUDE: _____ DEPARTURE: _____
ELEVATION: _____ AZIMUTH: 020° DIP: 46°
STARTED: November 8/87 FINISHED: November 10/87

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0.0	46°				
200.0	43°				
358.0	38.5°				

HOLE NO. OCH-87-4 SHEET NO. 1 of 6
REMARKS PA903477
PA893321

LOGGED BY R. Higginson

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS OZ/TON
0.0	13.5	Casing.									
13.5	44.0	Mafic to Intermediate Volcanic - dark grey to dark green, fine to medium grained, banded. Modal percent: Amphibole 40-45% Quartz, Plagioclase 30-35% Biotite 5-10% Chlorite 3-5% Carbonate 3-5%									
		Amphibolitic, fine to coarse banding, 3-5% quartz-carbonate stringers, foliation at 40° to core axis at 17.0', 35° at 32.0'.	5645		13.5	17.0	3.5			tr	
		- 20.3' - 20.7' - quartz vein with hematite staining.	5646		17.0	22.0	5.0			tr	
		- 24.4' - 24.7' - quartz-carbonate vein with biotite, felted amphibole inclusions, hematite staining.	5647 5648		22.0 27.0	27.0 32.0	5.0 5.0			tr tr	
		- 35.0' - 35.2' - milky quartz vein, white to green, with 2-3% disseminated tourmaline, limonite on fractures.	5649		32.0	37.0	5.0			tr	
		- 37.3' - 37.8' - medium grained, amphibolite hematite-limonite staining, medium grained blebs of hematite.	5650 5651		37.0 42.0	42.0 44.0	5.0 2.0			tr tr	
44.0	47.0	Granite Dykelet - white to orange, medium grained, massive. Modal percent: Quartz 40-45% Plagioclase 25-30% Potash Feldspar 10-15% Tourmaline 2-3% Limonite 1-2%	5652		44.0	47.0	3.0			tr	

LANGRIDGES — TORONTO — 366-1198

DIAMOND DRILL RECORD

NAME OF PROPERTY OCHIG LAKE

HOLE NO. OCH-87-4 SHEET NO. 2 of 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS OZ/TON
44.0	47.0	Cont'd. Orange limonite staining throughout, equigranular texture, tourmaline along fractures and contacts, irregular contacts, cross-cuts volcanics - subparallel to core axis.									
47.0	70.7	Mafic to Intermediate Volcanics - as above, foliation at 32° to core axis at 49.0', 38° at 57.0', 38° at 67.0'.	5653 5654		47.0 67.0	52.0 70.7	5.0 3.7			tr tr	
70.7	73.6	Aplite Dyke - cream-yellow to grey, fine grained, massive. Modal percent: Quartz, Feldspar] 90-95%; Mica 3-5% 5-10% irregular blebs of grey quartz in aphanitic groundmass, fine grained streaks and flakes of green-silver muscovite mica, fractures at 40° to core axis, contacts at 58-70° to core axis.	5655		70.7	73.6	2.9			tr	
73.6	106.4	Mafic Flows - dark green, medium grained, foliated. Modal percent: Amphibole 45-50%; Plagioclase 40-45%; Quartz, Carbonate] 3-5% Amphibolitic, minor dark grey felsic bands with 1-2% disseminated magnetite, foliation at 33° to core axis at 87.0', 34° at 106.0', fractures at 58° to core axis at 96.0', 55° at 89.0'. 3-5% quartz-carbonate stringers.	5656 5657		73.6 102.0	77.0 106.4	2.4 4.4			tr tr	
106.4	125.0	Mafic Tuff - dark green to brown, fine grained, banded. Modal percent: Amphibole 45-50%; Quartz, Plagioclase] 30-35%; Chlorite 3-5%; Biotite 3-5%; Carbonate 3-5%; Garnet tr-1%; Pyrite tr-1% 3-5% quartz-carbonate stringers, biotite bands, pyrite as fracture coatings, fractues at 51° to core axis, banding at 35° to core	5658		106.4	111.4	5.0			tr	

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY OCHIG LAKE

HOLE NO. OCH-87-4 SHEET NO. 3 of 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ TON	ASSAYS OZ TON
106.4	125.0	Cont'd. axis. - 122.0' - 125.0' - fracturing with 1-2% pyrite stringers.	5659	1-2	122.0	125.0	3.0			tr	
125.0	130.0	Felsic to Intermediate Tuff - dark grey to grey-brown, fine grained, banded to laminated. Modal percent: Quartz, Plagioclase] 85-90%; Sericite 2-3%; Chlorite 5-7% Foliation at 32° to core axis at 127.0'.	5660		125.0	130.0	5.0			tr	
130.0	142.4	Felsic Tuff - light grey, fine grained, laminated to banded with medium grained augens. Modal percent: Quartz 45-50%; Plagioclase 30-35%; Muscovite 10-15%; Carbonate 1-2% Medium grained plagioclase eyes in fine grained quartz-plagioclase groundmass. Wispy - foliated mica laminae. 2-3% quartz-carbonate stringers, limonite staining on fractures, minor orange to pink potassic alteration foliation at 44° to core axis 137.0'.	5661		130.0	135.0	5.0			tr	
			5662		135.0	138.0	3.0			tr	
			5663		138.0	142.4	4.4			tr	
142.4	163.7	Mafic Flows - typical, 2-3% quartz-carbonate stringers, trace-1% pyrite, trace-0.5% disseminated ankerite, foliation at 44° to core axis at 157.0'.	5664	tr-1	142.4	147.0	4.6			tr	
			5665	tr-1	147.0	152.0	5.0			tr	
			5666	tr-1	152.0	157.0	5.0			tr	
			5667	tr-1	157.0	162.0	5.0			tr	
			5668	tr-1	162.0	163.7	1.7			tr	
163.7	166.2	Granitic Dyke - white to purple, medium grained, massive. Modal percent: Plagioclase, Potash Feldspar] 70-75%; Quartz 15-20%; Lepidolite mica 3-5%; Muscovite mica 2-3% Purple lepidolite mica as aggregates of flakes of fine white muscovite, medium grained quartz-feldspar.	5669		163.7	166.2	2.5			tr	

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY OCHIG LAKE

HOLE NO. OCH-87-4 SHEET NO. 4 of 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS OZ/TON
166.2	262.4	Felsic to Intermediate Tuff - typical, 2-3% quartz-carbonate stringers, fractures infilled with rock flour and carbonates, foliated at 39-42° to core axis across interval, fractures at 40° to core axis at 186.0', 22° at 222.0'.	5670		166.2	171.2	5.0			tr	
			5671		217.0	222.0	5.0			tr	
		- 261.4' - 262.4' - 1-2% limonite bands.	5672		261.4	262.4	1.0			tr	
262.4	263.7	Mafic Intrusive - black, medium grained, massive. Modal percent: Amphibole 50-60%, Tourmaline 15-20%, Biotite 10-15%, Plagioclase 3-5%. Randomly oriented tourmaline prisms, 0.1-foot fine grained, massive, magnetite-hematite band; 0.2-foot massive irregular pyrite band, contacts at 32° to core axis.	5673	1-2	262.4	263.7	1.3			tr	
263.7	272.5	Mafic Flows - typical, mottled, 2-3% quartz-carbonate stringers, 1-2% pyrite stringers and disseminated grains, foliation at 40° to core axis at 270.8'.	5674	1-2	263.7	267.0	3.3			tr	
			5675	1-2	267.0	270.0	3.0			tr	
		- 270.0' - 270.6' - massive magnetite-hematite band, fine grained, ruddy brown-slate grey.	5676		270.0	270.6	0.6			tr	
			5677		270.6	273.0	2.4			tr	
272.5	273.0	Mafic Intrusive - typical.									
273.0	294.1	Mafic Flows - typical, foliation at 40° to core axis at 277.0', 44° at 288.0'.	5678	tr-1	273.0	277.0	4.0			tr	
			5679	tr-1	277.0	282.0	5.0			tr	
			5680	tr-1	282.0	287.0	5.0			.002	
			5681	tr-1	287.0	290.0	3.0			tr	
			5682	tr-1	290.0	294.1	4.1			tr	
294.1	294.8	Mafic Intrusive - atypical, light green, porphyritic, fine to medium grained. Modal percent: Amphibole 75-80%, Chlorite 10-15%, Carbonate 1-3%, Pyrite 1-2%. Medium grained chlorite phenocrysts in fine grained amphibole	5683	1-2	294.1	296.6	2.5			tr	

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY OCHIG LAKE

HOLE NO. OCH-87-4 SHEET NO. 5 of 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ TON	ASSAYS OZ TON	ASSAYS
294.1	294.8	Cont'd. groundmass, contact at 73° to core axis at 294.1'.										
294.8	312.3	Mafic Flows and Mafic Intrusive (Dyke) Swarm - typical flows, atypical intrusives as above. - 294.8' - 296.0' - flows, chloritic, 3-5% quartz-carbonate stringers. - 296.0' - 296.6' - intrusive.										
		- 296.6' - 297.4' - flows, chloritic, as above.	5684		296.6	299.6	3.0			tr		
		- 297.4' - 299.6' - intrusive, contacts at 60° to core axis.										
		- 299.6' - 301.5' - flows, chloritic.	5685		299.6	304.6	5.0			tr		
		- 301.5' - 303.5' - intrusive.										
		- 303.5' - 304.6' - flows, typical, foliation at 53° to core axis at 304.0'.										
		- 304.6' - 306.0' - intrusive contacts at 58° to core axis at 303.5', 50° at 304.6'.	5686		304.6	306.0	1.4			tr		
		- 306.0' - 312.3' - flows, typical, foliation at 42° to core axis at 307.0'.	5687		306.0	311.0	5.0			tr		
		- 311.0' - 312.3' - chloritic flows, 3-5% quartz-carbonate stringers.	5688		311.0	312.3	1.3			tr		
312.3	313.5	Granitic Dyke - typical, no lepidolite mica.	5689		312.3	313.5	1.2			tr		
313.5	315.6	Tourmalinite - dark ruddy brown, fine grained, massive to wispy banding. Modal percent: Tourmaline 75-80% Amphibole 5-10% Biotite 3-5% Carbonate 3-5% Equigranular texture, 0.3-foot granitic dyke rock as above with tourmaline blebs and stringers.	5690		313.5	315.6	2.1			tr		

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY OCHIG LAKE

HOLE NO. OCH-87-4 SHEET NO. 6 of 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS OZ TON	
315.6	320.2	Mafic Intrusive - atypical, fine grained, foliated, 10-15% carbonate, foliation at 38° to core axis at 318.5'.	5691		315.6	320.2	4.6			tr		
320.2	324.4	Felsic to Intermediate Tuff - Typical.	5692	2-3	320.2	324.4	4.2			tr		
		- 321.6' - 323.2' - sugary quartz-carbonate stringers with hematite staining, 2-3% limonite stained pyrite stringers, altered-silicified.										
324.4	325.4	Mafic Intrusive - atypical, foliated.	5693		324.4	325.4	1.0			tr		
325.4	358.0	Felsic to Intermediate Tuff - typical, 2-3% quartz-carbonate stringers, 1-3% pyrite as fine grained stringers and disseminated grains, foliation at 40° to core axis at 326.0', 41° at 346.0', 52° at 357.0', fractures at 53° to core axis at 326.0'.	5694	1-3	325.4	328.0	2.6			tr		
			5695	1-3	328.0	333.0	5.0			tr		
			5696	1-3	333.0	338.0	5.0			tr		
			5697	1-3	338.0	343.0	5.0			tr		
			5698	1-3	343.0	348.0	5.0			tr		
		- 348.0' - 348.6' - quartz-pyrite vein, 3-5% pyrite as stringers and blebs.	5699	3-5	348.0	353.0	5.0			tr		
		- 355.0' - 356.8' - schistose, fine grained, 2-3% coarse grained tourmaline prisms.	5700	1-3	353.0	358.0	5.0			tr		
	358.0	E.O.H.										

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: OCHIG LAKE
HOLE NO.: OCH-87-5 LENGTH: 305.0'
LOCATION: 54+00W, 03+00S
LATITUDE: _____ DEPARTURE: _____
ELEVATION: _____ AZIMUTH: 160° DIP: 45°
STARTED: November 10/87 FINISHED: November 12/87

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0.0	45				
305.0	38.5				

HOLE NO. OCH-87-5 SHEET NO. 1 of 1
REMARKS PA893314
PA893315
SUMMARY LOG
LOGGED BY R. Higginson

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION SUMMARY LOG	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS OZ/TON	
0.0	91.0	CASING.										
91.0	127.8	MAFIC VOLCANICS - 50:50 flows; tuffs.										
127.8	128.1	GRANITE DYKELET.										
128.1	177.9	MAFIC VOLCANICS - 50:50 flows; tuffs.										
177.9	184.6	FELSIC TUFF.										
184.6	203.1	MAFIC FLOWS.										
203.1	203.8	FELSIC TUFF.										
203.8	206.5	MAFIC FLOWS.										
206.5	210.7	INTERMEDIATE FLOWS.										
210.7	219.4	FELSIC TUFF - FELSIC CRYSTAL TUFF.										
219.4	236.3	MAFIC FLOWS.										
236.3	237.4	FELSIC TUFF.										
237.4	265.5	HYBRID GNESSIC MAFIC VOLCANICS.										
265.5	266.0	GRANITE DYKE.										
266.0	305.0	HYBRID GNESSIC MAFIC VOLCANICS.										
	305.0	E.O.H.										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: OCHIG LAKE
HOLE NO.: OCH-87-5 LENGTH: 305.0'
LOCATION: 54+00W, 03+00S
LATITUDE: _____ DEPARTURE: _____
ELEVATION: _____ AZIMUTH: 160° DIP: 45°
STARTED: November 10/87 FINISHED: November 12/87

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0.0	45				
305.0	38.5				

HOLE NO. OCH-87-5 SHEET NO. 1 of 3
REMARKS PA893314
PA893315

LOGGED BY: R. Higginson

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS OZ/TON
0.0	91.0	Casing.									
91.0	127.8	Mafic Volcanic - 50:50 flows and tuffs, dark green to white, fine grained, mottled to ssive to banded. Modal percent: Amphibole 40-45% Plagioclase 30-35% Chlorite 10-15% Epidote 3-5% Competant, few fractures with orange potassic alteration, equigranular texture, foliation at 32° to core axis across interval, fractures at 41° to core axis.	5701		91.0	95.0	4.0			tr	
127.8	128.1	Granite Dykelet - white to red, fine grained, massive. Modal percent: Plagioclase 45-50% Quartz 40-45% Muscovite 2-3% Amphibole 1-2% Equigranular texture, hematite staining.	5702		127.0	130.0	3.0			tr	
128.1	177.9	Mafic Volcanic - as above.	5703		130.0	133.0	3.0			tr	
		- 133.0' - 134.5' - friable, highly weathered.	5704		133.0	135.0	2.0			tr	
		- 134.5' - 154.4' - 3-5% quartz-carbonate stringers.	5705		135.0	140.0	5.0			tr	
			5706		140.0	145.0	5.0			tr	
		Foliation at 32° to core axis.	5707		145.0	150.0	5.0			tr	
			5708		150.0	154.4	4.4			tr	
			5709		175.0	177.9	2.9			tr	
177.9	184.6	Felsic Tuff - dark grey, fine grained, foliated. Modal percent: Quartz 40-44% Plagioclase 40-44%	5710	tr-1	177.9	181.0	3.1			tr	
			5711	tr-1	181.0	184.6	3.6			tr	

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY OCHIG LAKE

HOLE NO. OCH-87-5 SHEET NO. 2 of 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS OZ/TON
177.9	184.6	Cont'd. Chlorite 3-5% Epidote 2-3% Potash Feldspar 2-3% Pyrite tr-1% 3-5% quartz-potash feldspar stringers with trace-1% pyrite blebs, limonite-hematite stain on fractures, foliation at 46° to core axis at 184.0', fracture at 34° to core axis at 184.0'.									
184.6	203.1	Mafic Flows - massive, 2-3% epidote and potash feldspar along fractures, 2-3% quartz-carbonate stringers, fractures at 40° to core axis at 300.0', foliation at 31° to core axis at 295.0'.	5712 5750 5751 5713		184.6 189.6 194.6 199.6	189.6 194.6 199.6 203.1	5.0 5.0 5.0 3.5			tr tr tr tr	
203.1	203.8	Felsic Tuff - as above, foliation and fractures at 40° to core axis.	5714		203.1	203.8	0.7			tr	
203.8	206.5	Mafic Flows - as above.	5715		203.8	206.5	2.7			tr	
206.5	210.7	Intermediate Flows - light green, fine grained, massive to mottled Modal percent: Amphibole 40-45% Plagioclase 40-45% Epidote 5-7% Carbonate 2-3% Fine amphibole needles, minor carbonate stringers, foliation and fractures at 41° to core axis.	5716		206.5	210.7	4.2			tr	
210.7	219.4	Felsic Tuff - Felsic Crystal Tuff - atypical, dark grey to red, fine grained groundmass with medium grained white clasts inter-bedded to gradational contacts, medium grained plagioclase-quartz crystals in fine grained groundmass, 3-5% potash feldspar-quartz-chlorite-epidote-pyrite stringers, 1-3% disseminated pyrite.	5717 5718	1-3 1-3	210.7 215.0	215.0 219.4	4.3 4.4			tr tr	
219.4	236.3	Mafic Flows - typical, 2-3% quartz-carbonate stringers, minor potassic alteration, fracture and foliation at 44° to core axis at 222.0'.	5719 5720		219.4 233.3	224.4 236.3	5.0 3.0			tr tr	

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY OCHIG LAKE

HOLE NO. OCH-87-5 SHEET NO. 3 of 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS OZ/TON	
236.3	237.4	Felsic Tuff - as above, fracturing at 36° to core axis, foliation at 53° to core axis.	5721		236.3	237.4	1.1			tr		
237.4	265.5	Hybrid Gneissic Mafic Volcanics - dark green to black to white, fine to medium grained, banded - gneissose.	5722	2-3	237.4	239.9	2.5			tr		
			5723	2-3	239.9	245.0	5.1			tr		
		Modal percent: Amphibole 45-50%	5724	2-3	245.0	250.0	5.0			tr		
		Quartz 25-30%	5725	2-3	250.0	255.0	5.0			tr		
		Plagioclase 10-15%	5726	2-3	255.0	260.0	5.0			tr		
		Epidote 3-5%	5727	2-3	260.0	265.0	5.0			tr		
		Pyrite 2-3%										
		Partial gneissose segregation of phases, speckled to equigranular texture to individual bands, foliation gneissocity at 40° to core axis at 246.0', 2-3% disseminated pyrite throughout, 2-3% quartz-potash feldspar stringers.										
265.5	266.0	Granititc Dyke - typical, contacts at 40° to core axis, limonite staining.	5728	2-3	265.0	270.0	5.0			tr		
266.0	305.0	Hybrid Gneissic Mafic Volcanics -										
		- 266.0' - 270.0' - typical.										
		- 270.0' - 305.0' - amphibole-albite gneiss with 5-7% wispy chlorite bands, gneissocity at 42° to core axis at 305.0'.	5729		270.0	275.0	5.0			tr		
			5730		300.0	305.0	5.0			tr		
	305.0	E.O.H.										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: OCHIG LAKE
HOLE NO.: OCH-87-6 LENGTH: 206.0'
LOCATION: 64+00W, 38+00N
LATITUDE: DEPARTURE:
ELEVATION: AZIMUTH: 210° DIP: 45°
STARTED: November 11/87 FINISHED: November 13/87

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0.0	45°				
206.0	42°				

HOLE NO. OCH-87-6 SHEET NO. 1 of 1
REMARKS PA903615
SUMMARY LOG
LOGGED BY R. Higginson

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION SUMMARY LOG	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS OZ/TON	
0.0	23.0	CASING.										
23.0	149.7	MAFIC INTRUSIVE.										
149.7	151.5	QUARTZ FELDSPAR PORPHYRY.										
151.5	173.8	MAFIC INTRUSIVE.										
173.8	181.2	QUARTZ FELDSPAR PORPHYRY.										
181.2	206.0	MAFIC INTRUSIVE.										
	206.0	E.O.H.										

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: OCHIG LAKE
HOLE NO.: OCH-87-6 LENGTH: 206.0'
LOCATION: 64+00W, 38+00N
LATITUDE: _____ DEPARTURE: _____
ELEVATION: _____ AZIMUTH: 210.0° DIP: 45°
STARTED: November 11/87 FINISHED: November 13/87

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0.0	45°				
206.0	42°				

HOLE NO. OCH-87-6 SHEET NO. 1 of 2
REMARKS PA903615
LOGGED BY R. Higginson

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au oz/TON	ASSAYS oz/TON	
0.0	23.0	Casing.										
23.0	149.7	Mafic Intrusive - green to black, fine to medium grained, massive to finely banded.	5731		23.0	28.0	5.0			tr		
		Modal percent: Amphibole 45-50%	5732		56.0	61.0	5.0			tr		
		Quartz, Plagioclase] 25-30%	5733		76.0	81.0	5.0			tr		
		Chlorite 10-15%										
		Epidote 3-5%										
		Amphibolitic to Aphanitic 0.5-1%										
		Quartz-carbonate stringers, massive medium grained amphibolite to aphanitic amphibole bands to wispy banded chloritic horizons, fracturing at 58° and 32° to core axis at 125.0', cleavage at 80° to core axis at 86.0', 80° at 30.0', 82° at 43.0'.										
		- 107.0' - 117.0' - highly fractured 1-2% carbonate, medium grained chlorite pseudomorphs after pyroxene.	5734		107.0	112.0	5.0			tr		
			5735		112.0	117.0	5.0			tr		
		- 140.6' - 141.4' - quartz-carbonate vein with albite and amphibole inclusions with 1-2% disseminated pyrite blebs.	5736	1-2	140.0	142.0	2.0			tr		
			5737		142.0	147.0	5.0			tr		
			5738		147.0	149.7	2.7			tr		
149.7	151.5	Quartz-Feldspar Porphyry - dark grey, fine grained groundmass, white, medium grained phenocrysts, massive.	5739		149.7	151.5	1.8			tr		
		Modal percent: Plagioclase phenocrysts 40-45%										
		Plagioclase, Quartz] groundmass 40-45%										
		Chlorite 5-10%										
		Pyrite tr-0.5%										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: OCHIG LAKE

HOLE NO. OCH-87-6 SHEET NO. 2 of 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ TON	ASSAYS OZ TON
149.7	151.5	Cont'd. Porphyritic, no fracturing, fresh, contacts at 70° to core axis.									
151.5	173.8	Mafic Intrusive - as above, foliation at 82° to core axis, fractures at 47° and 80° to core axis at 164.5'.	5740		151.5	156.0	4.5			tr	
			5741		170.0	173.8	3.8			tr	
173.8	181.2	Quartz-Feldspar Porphyry - fine to medium grained, porphyritic to microporphyritic, minor fractures with potassic alteration haloes around fractures, chlorite-quartz-1-2% pyrite infillings.	5742	1-2	173.8	177.3	3.5			tr	
			5743	1-2	177.3	181.2	3.9			tr	
181.2	206.0	Mafic Intrusive - as above, fractures and foliation at 72° to core axis at 205.0'.	5744		181.2	186.0	4.8			tr	
			5745		186.0	191.0	5.0			tr	
		- 195.0' - 203.0' - quartz-carbonate veining with chlorite-amphibole inclusions. Trace-0.5% pyrite.	5746		191.0	195.0	4.0			tr	
			5747		195.0	200.0	5.0			tr	
			5748		200.0	203.0	3.0			tr	
			5749		203.0	206.0	3.0			tr	
	206.0	E.O.H.									

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: OCHIG LAKE
HOLE NO.: OCH-87-7 LENGTH: 306.0'
LOCATION: 58+50W, 09+00S
LATITUDE: _____ DEPARTURE: _____
ELEVATION: _____ AZIMUTH: 160° DIP: 47°
STARTED: November 13/87 FINISHED: November 14/87

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0.0	47°				
306.0	44°				

HOLE NO. OCH-87-7 SHEET NO. 1 of 1
REMARKS PA893314

SUMMARY LOG

LOGGED BY R. Higginson

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION SUMMARY LOG	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au OZ/TON	ASSAYS OZ/TON	
0.0	11.0	CASING.										
11.0	33.9	INTERMEDIATE FLOWS.										
33.9	180.8	INTERMEDIATE TUFF AND AGGLOMERATE.										
180.8	245.8	FELSIC TUFF - 1-2% quartz-pyrite-tourmaline veining.										
245.8	257.0	FELSIC TO INTERMEDIATE TUFF.										
257.0	265.8	FELSIC CRYSTAL TUFF.										
265.8	268.2	FELSIC TO INTERMEDIATE TUFF.										
268.2	270.8	FELSIC TUFF.										
270.8	272.6	FELSIC TO INTERMEDIATE TUFF.										
272.6	273.9	FELSIC TUFF.										
273.9	275.8	FELSIC TO INTERMEDIATE TUFF.										
275.8	295.2	FELSIC CRYSTAL TUFF.										
295.2	297.2	INTERMEDIATE TUFF.										
297.2	306.0	FELSIC TUFF.										
	306.0	E.O.H.										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: OCHIG LAKE
HOLE NO.: OCH-87-7 LENGTH: 306.0'
LOCATION: 58+50W, 09+00S
LATITUDE: _____ DEPARTURE: _____
ELEVATION: _____ AZIMUTH: 160° DIP: 47°
STARTED: November 13/87 FINISHED: November 14/87

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0.0	47°				
306.0	44°				

HOLE NO. OCH-87-7 SHEET NO. 1 of 3
REMARKS PA893314

LOGGED BY: R. Higginson

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS Au oz/TON	ASSAYS oz/TON	
0.0	11.0	Casing.										
11.0	33.9	Intermediate Flows - dark grey to green, fine grained, massive to slightly foliated.	5752	tr	11.0	14.0	3.0			tr		
		Modal percent: Plagioclase, Quartz] 50-55%; Amphibole 30-35%; Chlorite 5-10%; Carbonate 2-3%; Pyrite tr-0.5%										
		2-3% quartz-carbonate stringers, foliation at 38° to core axis at 14.0'.	5753	tr	30.9	33.9	3.0			tr		
33.9	180.8	Intermediate Tuff and Agglomerate - black to white to dark green, fine grained, foliated to mottled with distorted bands and clasts.	5754		33.9	36.0	2.1			tr		
			5755		66.0	69.0	3.0			tr		
			5756		96.0	99.0	3.0			tr		
		Modal percent: Amphibole 50-55%; Chlorite 15-20%; Quartz, Carbonate] 10-15%; Sericite 5-10%										
		Highly distorted-crenulated bands, angular clasts and small bombs in some horizons, penetrative cleavage at 43° to core axis at 56.0', 44° at 76.0', 48° at 106.0', 50° at 146.0'.										
		- 119.0' - 121.0' - quartz-carbonate stringers with epidote.	5757		119.0	121.0	2.0			tr		
			5758		163.0	166.0	3.0			tr		
		- 177.5' - 178.1' - clean discordant quartz vein.	5759		177.5	180.8	3.3			tr		
180.8	245.8	Felsic Tuff - light grey, fine to medium grained, banded to massive.										

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: OCHIG LAKE

HOLE NO. OCH-87-7 SHEET NO. 2 of 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton Au	ASSAYS oz ton	
180.8	245.8	Cont'd.										
		Modal percent: Plagioclase, Quartz] 85-90% Muscovite 3-5% Chlorite, Amphibole] 3-5% Pyrite tr-2%										
		Minor epidote-amphibole bands, quartz-pyrite-tourmaline stringers and veins, variable textures, abundant quartz-plagioclase crystals in some horizons.										
		- 180.8' - 189.6' - crystal tuff, 5-10% quartz veining with 1-2% pyrite grains, 1-3% disseminated pyrite throughout.	5760	1-3	180.8	184.6	3.8			tr		
			5761	1-3	184.6	189.6	5.0			tr		
		- 189.6' - 195.7' - 10-15% sericite-muscovite, 2-3% epidote, crudely banded, 1-2% quartz-tourmaline-pyrite stringers.	5762	1-2	189.6	193.6	4.0			tr		
			5763	1-2	193.6	195.7	2.1			tr		
		- 195.7' - 201.3' - massive to banded, 1-2% quartz-tourmaline-pyrite stringers, 3-5% carbonate.	5764	1-2	195.7	196.5	0.8			tr		
			5765	1-2	196.5	199.5	3.0			tr		
		- 195.7' - 196.5' - highly fractured with 2-3% quartz-carbonate stringers.	5766	1-2	199.5	201.3	1.8			tr		
		- 201.3' - 205.8' - massive to crudely banded, 3-5% epidote, 5-7% carbonate.	5767		201.3	205.8	4.5			tr		
		- 205.8' - 211.4' - 1-2% quartz-tourmaline veining, 3-5% fine grained disseminated epidote.	5768		205.8	208.8	3.0			.028		
			5769		208.8	211.4	2.6			tr		
		- 211.4' - 231.2' - crystal tuff, medium to coarse grained quartz crystals, mottled, epidote-sericite bands, 1-3% disseminated pyrite, 2-3% quartz-tourmaline-epidote-pyrite veins	5770	1-3	211.4	216.0	4.6			tr		
			5771	1-3	216.0	221.0	5.0			tr		
			5772	1-3	221.0	226.0	5.0			tr		
			5773	1-3	226.0	231.2	5.2			tr		
		- 231.2' - 236.0' - as per 205.8' - 211.4'.	5774		231.2	236.0	4.8			tr		
		- 236.0' - 245.8' - crystal tuff, coarse to medium grained quartz crystals.	5775		236.0	239.6	3.6			tr		
		- 239.6' - 240.2' - 2-3% disseminated pyrite.	5776	2-3	239.6	241.0	1.4			tr		
		- 240.2' - 241.0' - epidote-sericite bands.	5777		241.0	245.8	4.8			tr		

LANGRIDGES — TORONTO — 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: OCHIG LAKE

HOLE NO.: OCH-87-7 SHEET NO.: 3 of 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	%	Au OZ/TON	OZ/TON	
245.8	257.0	Felsic to Intermediate Tuff - green to grey, fine grained, banded to mottled.	5778	tr-2	245.8	250.8	5.0			tr		
		Modal percent: Quartz 35-40%; Plagioclase 30-35%; Amphibole 5-10%; Epidote 3-5%; Chlorite 3-5%; Carbonate 2-3%; Pyrite tr-2%	5779	tr-2	250.8	253.8	3.0			tr		
		2-3% quartz-carbonate stringers, trace-1% disseminated pyrite.	5780	tr-2	253.8	257.0	3.2			tr		
257.0	265.8	Felsic Crystal Tuff - typical, folation at 42° to core axis at 264.0', trace pyrite.										
265.8	268.2	Felsic to Intermediate Tuff - as above, trace pyrite.										
268.2	270.8	Felsic Tuff - typical.										
270.8	272.6	Felsic to Intermediate Tuff - typical.										
272.6	273.9	Felsic Tuff - typical.										
273.9	275.8	Felsic to Intermediate Tuff - 1-2% quartz-carbonate stringers.										
275.8	295.2	Felsic Crystal Tuff - typical, foliation at 45° to core axis at 284.0', 1-2% quartz-carbonate stringers, potassic alteration along fractures.										
295.2	297.2	Intermediate Tuff - typical.										
297.2	306.0	Felsic Tuff - typical, sericitic.										
		- 301.0' - 306.0' - 1-2% pyrite as bands and blebs in siliceous horizons.	5781	1-2	301.0	306.0	5.0			tr		
		Foliation at 42° to core axis at 306.0'.										
	306.0	E.O.H.										

LANGRIDGES — TORONTO — 366-1168

APPENDIX E

LEGEND AND DIAMOND DRILL SECTIONS

LEGEND FOR THE DIAMOND DRILL HOLE SECTIONS FOR THE **OCHIG LAKE PROPERTY** **Patricia M.D., Ontario**

q.v.,c.v. Quartz/carbonate veins

8 Intermediate and felsic intrusives
- 8a Granite
- 8b Diorite
- 8c Granite gneiss
- 8d Porphyry, quartz/feldspar

7 Mafic to ultramafic intrusives
- 7a Gabbro, diabase
- 7b Peridotite

6 Iron formation
- 6a Oxide facies
- 6b Carbonate facies
- 6c Silicate facies
- 6d Sulphide facies

5 Clastic sediments
- 5a Wacke
- 5b Mudstone, argillite
- 5c Siltstone

4 Felsic volcanics
- 4a Flows
- 4b Tuff, lapilli tuff
- 4c Breccia, agglomerate

3 Intermediate volcanics
- 3a Flows
- 3b Tuff, lapilli tuff
- 3c Breccia, agglomerate

2 Mafic volcanics
- 2a Flows
- 2b Tuff, lapilli tuff
- 2c Breccia, agglomerate
- 2d Amphibolite

1 Ultramafic volcanics

SYMBOLS

Overburden ..... o/b

Geological contact 6/4

Bedding .....

Foliation .....

Fault, shear zone .....

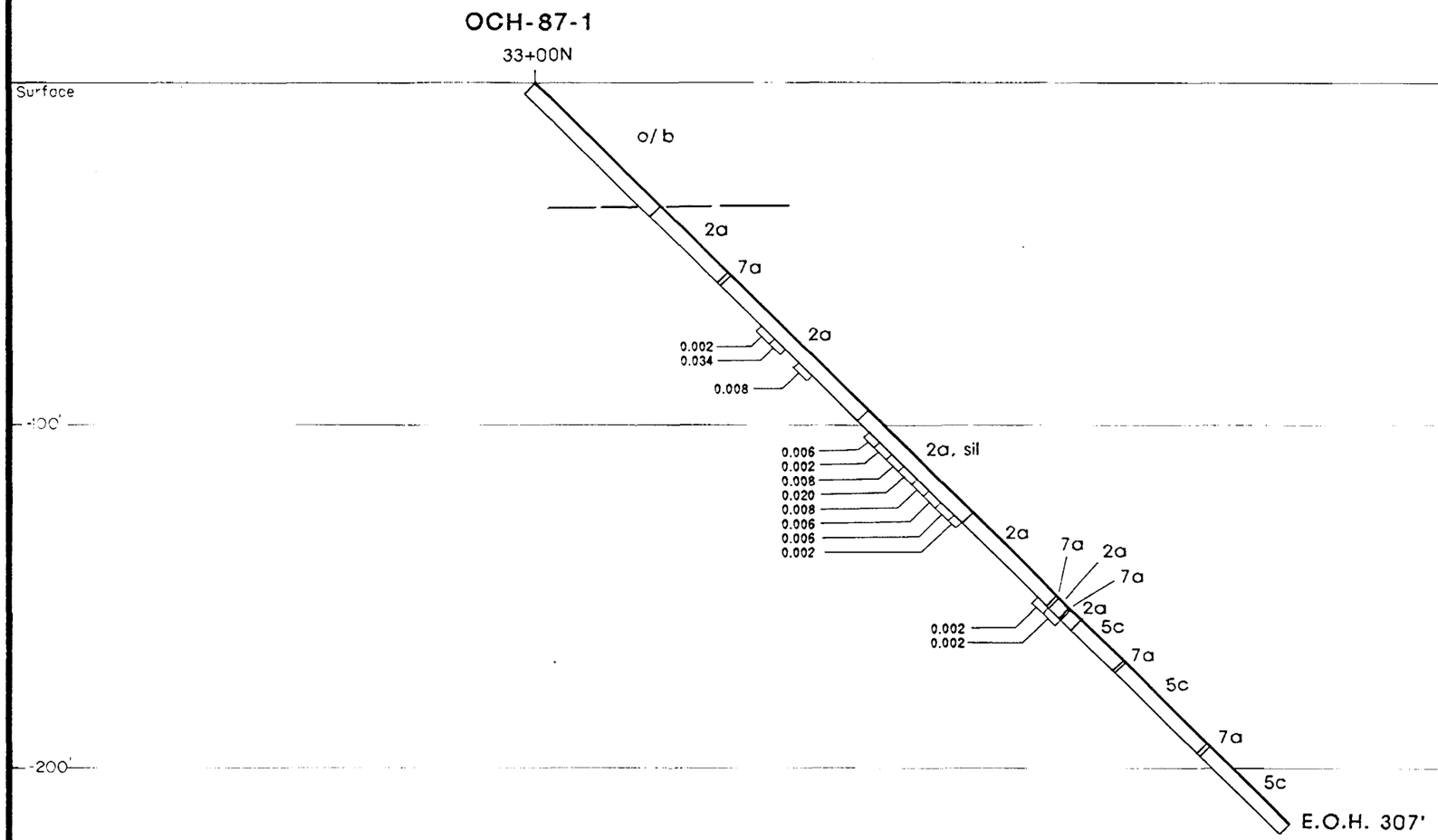
Sample interval (feet) with gold assay in ounces per ton ..... 0·01 / 3·0

Lost core LC

Alteration
- si - silicification
- se - sericitization
- ch - chloritization
- ca - carbonatization

Mineralization
- s - sulphides
- po - pyrrhotite
- py - pyrite
- cp - chalcopyrite
- As - arsenopyrite
- sp - sphalerite
- Ga - galena
- Mo - Molybdenite
- gf - Graphite
- tour - tourmaline

Fig. 5



For legend see Figure No. 5

0 50' 100'

Scale 1" = 40 feet

Section bearing 20°

POWER EXPLORATIONS INC.

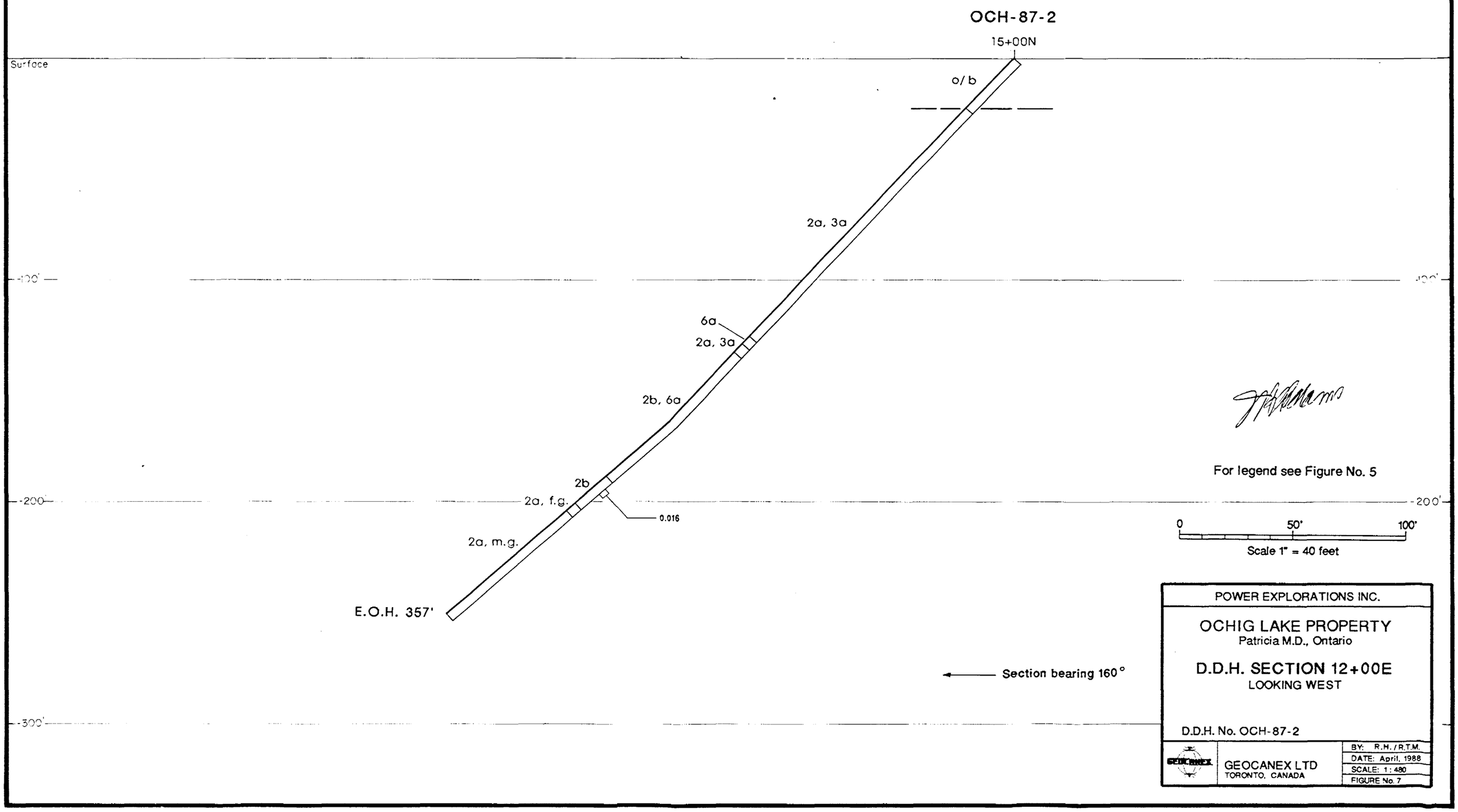
OCHIG LAKE PROPERTY
Patricia M.D., Ontario

D.D.H. SECTION 42+50E
LOOKING WEST

D.D.H. No. OCH-87-1

GEOCANEX LTD
TORONTO CANADA

BY: R.H / R.T.M.
DATE: April, 1988
SCALE: 1: 480
FIGURE No. 6



For legend see Figure No. 5

POWER EXPLORATIONS INC.

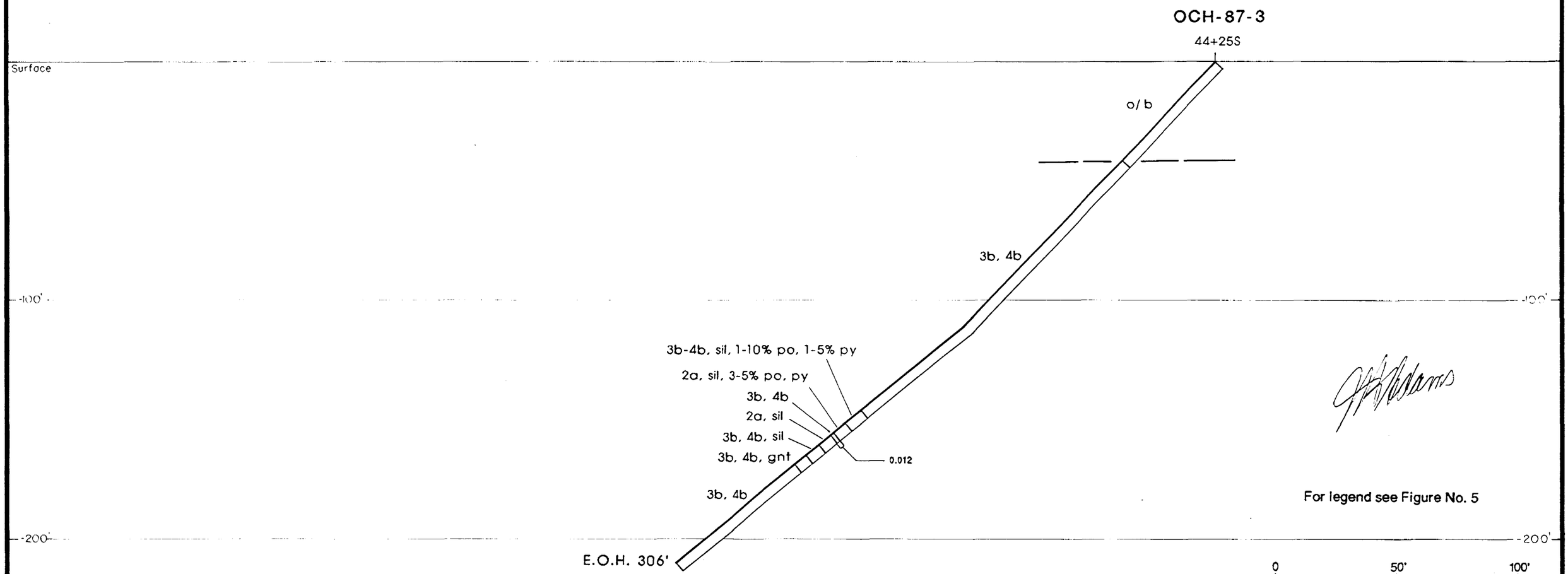
OCHIG LAKE PROPERTY
Patricia M.D., Ontario

D.D.H. SECTION 12+00E
LOOKING WEST

D.D.H. No. OCH-87-2

GEOCANEX LTD
TORONTO, CANADA

BY: R.H./R.T.M.
DATE: April, 1988
SCALE: 1:480
FIGURE No. 7



POWER EXPLORATIONS INC.

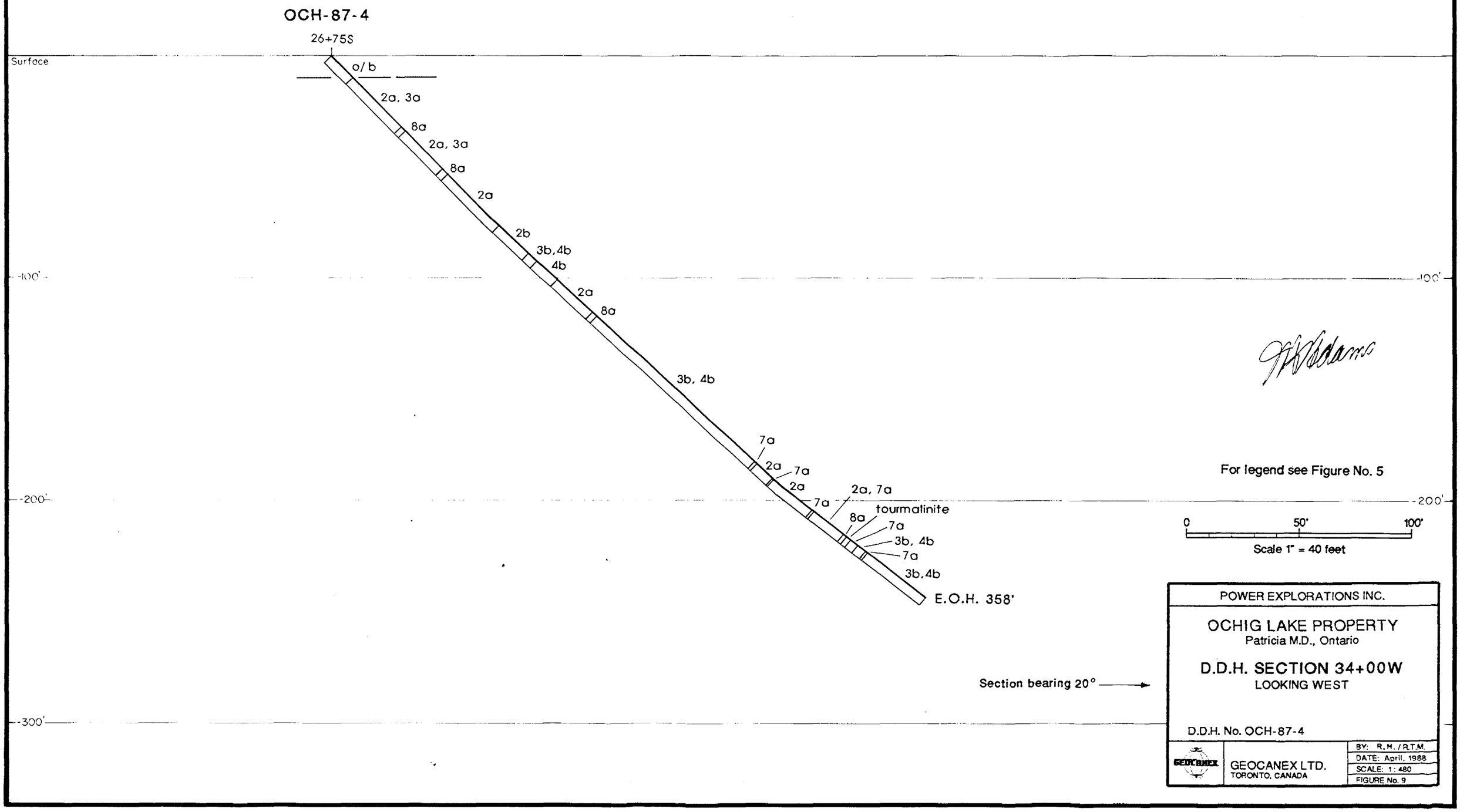
OCHIG LAKE PROPERTY
Patricia M.D., Ontario

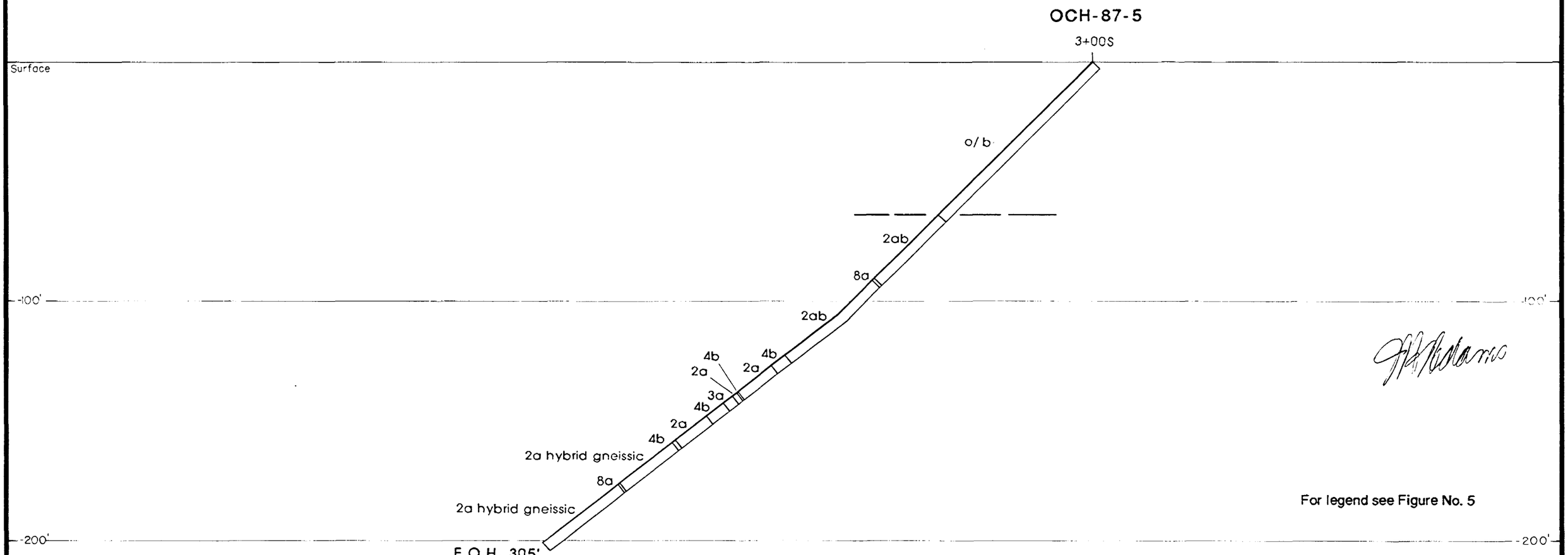
D.D.H. SECTION 60+00W
LOOKING WEST

D.D.H. No. OCH-87-3

GEOCANEX LTD.
TORONTO, CANADA

BY: R. H. / R.T.M.
DATE: April, 1988
SCALE: 1: 480
FIGURE No. 8


OCH-87-4
26+75S
Surface
o/b
2a, 3a
8a
2a, 3a
8a
2a
2b
3b,4b
4b
2a
8a
3b, 4b
7a
2a
7a
2a
7a
2a, 7a
8a
tourmalinite
7a
3b, 4b
7a
3b,4b
E.O.H. 358'
-100'
-200'
-300'
For legend see Figure No. 5
0
50'
100'
Scale 1" = 40 feet
Section bearing 20°
POWER EXPLORATIONS INC.
OCHIG LAKE PROPERTY
Patricia M.D., Ontario
D.D.H. SECTION 34+00W
LOOKING WEST
D.D.H. No. OCH-87-4
GEOCANEX LTD.
TORONTO, CANADA
BY: R.H. / R.T.M.
DATE: April, 1988
SCALE: 1:480
FIGURE No. 9



For legend see Figure No. 5

0 50' 100'

Scale 1" = 40 feet

Section bearing 160°

POWER EXPLORATIONS INC.

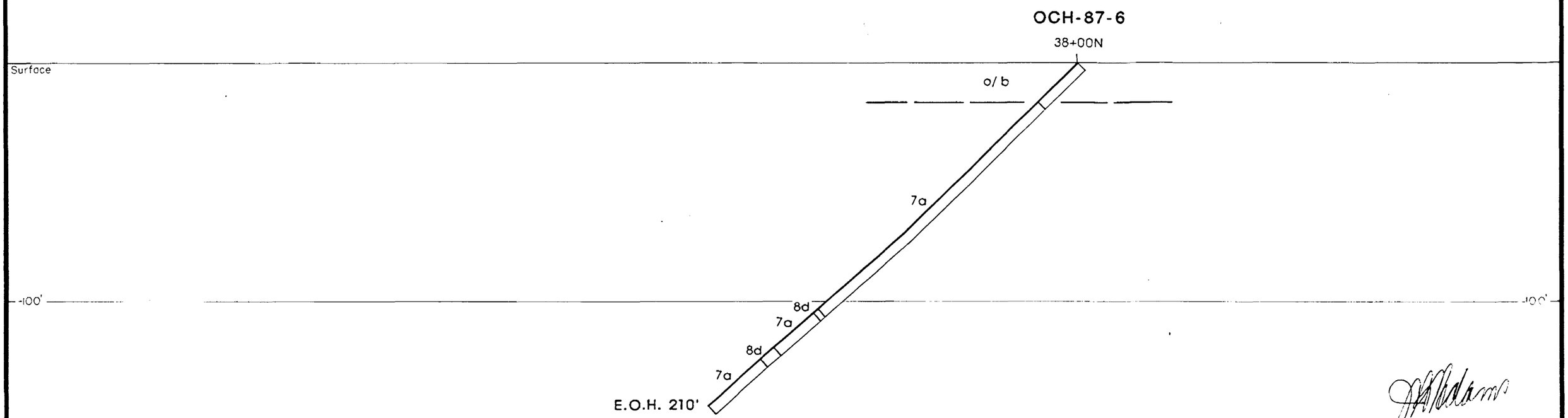
OCHIG LAKE PROPERTY
Patricia M.D., Ontario

D.D.H. SECTION 54+00W
LOOKING WEST

D.D.H. No. OCH-87-5

GEOCANEX LTD
TORONTO, CANADA

BY: R.H./R.T.M.
DATE: April, 1988
SCALE: 1:480
FIGURE No. 10



For legend see Figure No. 5

0 50' 100'

Scale 1" = 40 feet

POWER EXPLORATIONS INC.

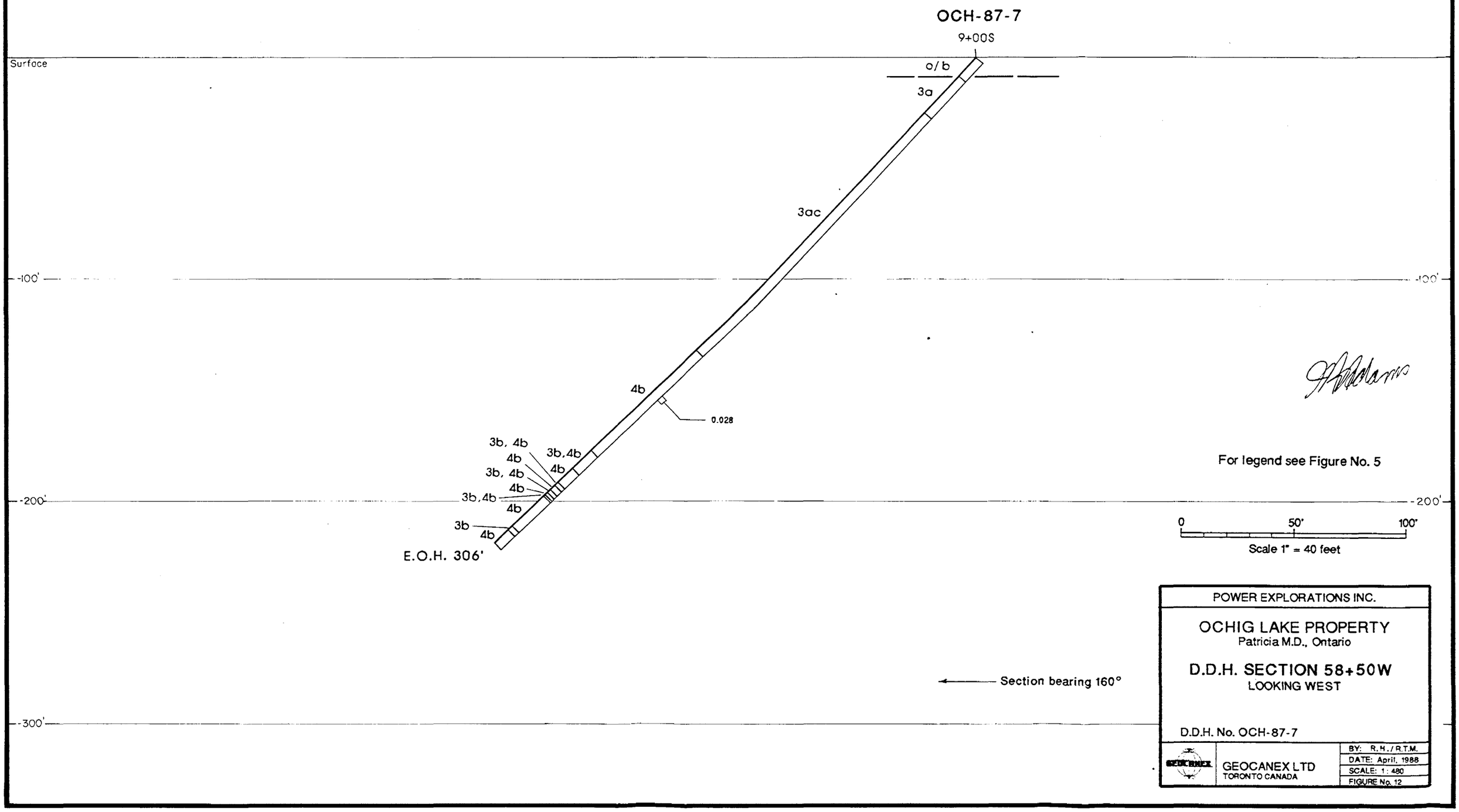
OCHIG LAKE PROPERTY
Patricia M.D., Ontario

D.D.H. SECTION 64+00W
LOOKING WEST

D.D.H. No. OCH-87-6

GEOCANEX LTD
TORONTO CANADA

BY: R.H./R.T.M.
DATE: April, 1988
SCALE: 1:480
FIGURE No. 11



For legend see Figure No. 5

POWER EXPLORATIONS INC.

OCHIG LAKE PROPERTY
Patricia M.D., Ontario

D.D.H. SECTION 58+50W
LOOKING WEST

D.D.H. No. OCH-87-7

GEOCANEX LTD
TORONTO CANADA

BY: R.H./R.T.M.
DATE: April, 1988
SCALE: 1: 480
FIGURE No. 12

APPENDIX F

CORE SAMPLE ASSAY CERTIFICATES

BELL-WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 3821 DATE: November 24, 1987

SAMPLE(S) OF: Core (144) RECEIVED: November 1987

SAMPLE(S) FROM: Mr. R. Higginson, Geocanex Ltd.

PROJECT: Ochig Lake

Sample No.	Oz. Gold	Sample No.	Oz. Gold
5501	Trace	5537	Trace
2	Trace	8	0.002*
3	Trace	9	0.002*
4	Trace	5540	Trace
5	Trace	1	Trace
6	Trace	2	Trace
7	Trace	3	Trace
8	Trace	4	Trace
9	Trace	5	Trace
5510	Trace	6	Trace
1	Trace	7	Trace
2	Trace	8	Trace
3	Trace	9	Trace
4	0.002	5550	Trace
5	0.034	1	Trace
6	Trace	2	Trace
7	0.008	3	0.004
8	Trace	4	Trace
9	Trace	5	Trace
5520	Trace	6	Trace
1	Trace	7	Trace
2	Trace	8	Trace
3	0.006	9	Trace
4	0.002	5560	Trace
5	0.008	1	Trace
6	0.020	2	Trace
7	0.008	3	Trace
8	0.006	4	Trace
9	0.006	5	Trace
5530	0.002*	6	Trace
1	Trace	7	Trace
2	Trace	8	Trace
3	Trace	9	Trace
4	Trace	5570	0.008
5	Trace	1	Trace
6	Trace	2	Trace

* Estimated

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER

BELL-WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 3821 DATE: November 24, 1987

SAMPLE(S) OF: Core (144) RECEIVED: November 1987

SAMPLE(S) FROM: Mr. R. Higginson, Geocanex Ltd.

PROJECT: Ochig Lake

Sample No.	Oz. Gold	Sample No.	Oz. Gold
5573	Trace	5609	Trace
4	Trace	5610	Trace
5	Trace	1	Trace
6	Trace	2	Trace
7	0.016	3	Trace
8	Trace	4	Trace
9	Trace	5	Trace
5580	0.002*	6	Trace
1	0.002	7	Trace
2	Trace	8	Trace
3	Trace	9	Trace
4	Trace	5620	Trace
5	Trace	1	Trace
6	Trace	2	0.012
7	Trace	3	Trace
8	Trace	4	Trace
9	Trace	5	Trace
5590	0.002*	6	Trace
1	Trace	7	Trace
2	0.002*	8	0.008
3	Trace	9	Trace
4	Trace	5630	Trace
5	0.004	1	Trace
6	Trace	2	0.002*
7	Trace	3	Trace
8	Trace	4	Trace
9	Trace	5	Trace
5600	Trace	6	Trace
1	Trace	7	Trace
2	0.006	8	Trace
3	Trace	9	Trace
4	Trace	5640	Trace
5	Trace	1	Trace
6	Trace	2	Trace
7	Trace	3	Trace
8	Trace	4	Trace

* Estimated

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER _____

BELL-WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 3863 **DATE:** November 27, 1987

SAMPLE(S) OF: Core (184) **RECEIVED:** November 1987

SAMPLE(S) FROM: Mr. James Pierce, Geocanex Ltd.

PROJECT: Ochig Lake

Sample No.	Oz Gold	Sample No.	Oz Gold
5645	Trace	5676	Trace
6	Trace	7	Trace
7	Trace	8	Trace
8	Trace	9	Trace
9	Trace	5680	0.002
5650	Trace	1	Trace
1	Trace	2	Trace
2	Trace	3	Trace
3	Trace	4	Trace
4	Trace	5	Trace
5	Trace	6	Trace
6	Trace	7	Trace
7	Trace	8	Trace
8	Trace	9	Trace
9	Trace	5690	Trace
5660	Trace	1	Trace
1	Trace	2	Trace
2	Trace	3	Trace
3	Trace	5701	Trace
4	Trace	2	Trace
5	Trace	3	Trace
6	Trace	4	Trace
7	Trace	5	Trace
8	Trace	6	Trace
9	Trace	7	Trace
5670	Trace	8	Trace
1	Trace	9	Trace
2	Trace	5710	Trace
3	Trace	1	Trace
4	Trace	2	Trace
5	Trace	3	Trace

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER: _____

BELL-WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 3863 **DATE:** November 27, 1987

SAMPLE(S) OF: Core (184) **RECEIVED:** November 1987

SAMPLE(S) FROM: Mr. James Pierce, Geocanex Ltd.
PROJECT: Ochig Lake

Sample No.	Oz Gold	Sample No.	Oz Gold
5714	Trace	5745	Trace
5	Trace	6	Trace
6	Trace	7	Trace
7	Trace	8	Trace
8	Trace	9	Trace
9	Trace	5750	Trace
5720	Trace	1	Trace
1	Trace	2	Trace
2	Trace	3	Trace
3	Trace	4	Trace
4	Trace	5	Trace
5	Trace	6	Trace
6	Trace	7	Trace
7	Trace	8	Trace
8	Trace	9	Trace
9	Trace	5760	Trace
5730	Trace	1	Trace
1	Trace	2	Trace
2	Trace	3	Trace
3	Trace	4	Trace
4	Trace	5	Trace
5	Trace	6	Trace
6	Trace	7	Trace
7	Trace	8	0.028
8	Trace	9	Trace
9	Trace	5770	Trace
5740	Trace	1	Trace
1	Trace	2	Trace
2	Trace	3	Trace
3	Trace	4	Trace
4	Trace	5	Trace

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER _____

BELL-WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 3863 **DATE:** November 27, 1987

SAMPLE(S) OF: Core (184) **RECEIVED:** November 1987

SAMPLE(S) FROM: Mr. James Pierce, Geocanex Ltd.

PROJECT: Ochig Lake

Sample No.	Oz Gold	Sample No.	Oz Gold
5776	Trace	5928	Trace
7	Trace	9	0.002*
8	Trace	5930	0.002
9	Trace	1	Trace
5780	Trace	2	Trace
1	Trace	3	0.002*
5904	0.002*	4	0.004
5	Trace	5	0.020
6	Trace	6	0.008
7	Trace	7	Trace
8	Trace	8	0.002*
9	0,002*	9	Trace
5910	Trace	5940	0.004
1	0.002*	1	0.028
2	Trace	2	0.002
3	Trace	3	0.008
4	Trace	4	0.002
5	Trace	5	Trace
6	Trace	6	Trace
7	Trace	7	Trace
8	Trace	8	Trace
9	Trace	9	Trace
5920	Trace	5950	Trace
1	Trace	1	Trace
2	Trace	2	Trace
3	Trace	3	Trace
4	Trace	4	Trace
5	Trace	5	Trace
6	Trace	6	Trace
7	0.002*	7	Trace

* Estimated

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER _____

BELL-WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 3863 (Corrected) DATE: March 2, 1988

SAMPLE(S) OF: Core (54) RECEIVED: November 1987

SAMPLE(S) FROM: Mr. James Pierce, Geocanex Ltd.

PROJECT: Kasagiminnis Lake

Sample No.	Oz. Gold	Sample No.	Oz. Gold
5904	0.002*	5931	Trace
5	Trace	2	Trace
6	Trace	3	0.002*
7	Trace	4	0.004
8	Trace	5	0.020
9	0.002*	6	0.008
5910	Trace	7	Trace
1	0.002*	8	0.002*
2	Trace	9	Trace
3	Trace	5940	0.004
4	Trace	1	0.028
5	Trace	2	0.002
6	Trace	3	0.008
7	Trace	4	0.002
8	Trace	5	Trace
9	Trace	6	Trace
5920	Trace	7	Trace
1	Trace	8	Trace
2	Trace	9	Trace
3	Trace	5950	Trace
4	Trace	1	Trace
5	Trace	2	Trace
6	Trace	3	Trace
7	0.002*	4	Trace
8	Trace	5	Trace
9	0.002*	6	Trace
5930	0.002	7	Trace

* Estimated

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER

Ochig Prop.

Ontario — Ministry of Northern Development and Mines

Mining Lands Section

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

D V

#3803.140 Min

52008SW0007 2.11219 LITTLE OCHIG LAKE

900

2.11219

Type of Survey(s): Geological	Township or Area: Little Ochig Lake Area G 2104
Claim Holder(s): Power Explorations Inc.	Prospector's Licence No.: T 4642
Address: 1003-34 King St. East Toronto, Ontario M5C 1E5	
Survey Company: Geocanex Ltd.	Date of Survey (from & to): 3 07 87 / 21 07 87 (Day / Mo. / Yr.)
Total Miles of line Cut: 70.42	
Name and Address of Author (of Geo-Technical report): R.A.V. Higginson R.R.#1, Oro, Ontario	

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical - Electromagnetic	
	- Magnetometer	
	- Radiometric	
For each additional survey: using the same grid: Enter 20 days (for each)	- Other	
	Geological	40
	Geochemical	

Man Days		Days per Claim
Complete reverse side and enter total(s) here	Geophysical - Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

RECEIVED
MAY 18 1988
MINING LANDS SECTION

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
see	attached	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

RECEIVED
MAY 10 1988
PATRICIA MINING DIVISION

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

Expenditures (excludes power stripping)

Type of Work Performed:

Performed on Claim(s):

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.

For Office Use Only		
Total Days Cr. Recorded: 2480	Date Recorded: May 10, 1988	Mining Recorder:
	Date Approved as Recorded: See Statement	Branch Director

Date	Recorded Holder or Agent (Signature)
May 6/88	

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 St. East Toronto M5C 1E5

Date Certified: May 6/88

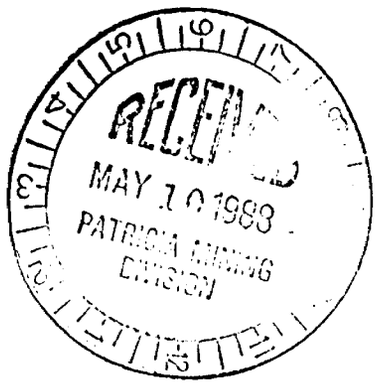
Certified by (Signature):

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		



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) Geological

Township or Area Ochig lake AREa

Claim Holder(s) Power Explorations Inc.

Survey Company Geocanex Ltd.

Author of Report R.A.V. Higginson

Address of Author R.R. #1 Oro, Ontario

Covering Dates of Survey 07/03/87 to 07/21/87 (linecutting to office)

Total Miles of Line Cut 70.42

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	40
Geochemical	

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

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

DATE: May 20th/88 SIGNATURE: _____ Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(see attached)
(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 _____ Number of Readings _____

Station interval _____ Line spacing _____

Profile scale _____

Contour interval _____

MAGNETIC

Instrument _____

Accuracy -- Scale constant _____

Diurnal correction method _____

Base Station check-in interval (hours) _____

Base Station location and value _____

_____

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 _____

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 893951, 893966, 903478, 903621, 893969, 893968, 903614 903620, 903618, 893308, 893309, 893310, 893313, 893314, 893322, 893323, 893324, 903475 903476, 903477

Total Number of Samples 152

Type of Sample rock
(Nature of Material)

Average Sample Weight 5 lbs (2kg)

Method of Collection grab samples

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 - 200

General

ANALYTICAL METHODS

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

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

Others gold

Field Analysis (_____ tests)

Extraction Method

Analytical Method

Reagents Used

Field Laboratory Analysis

No. (_____ tests)

Extraction Method

Analytical Method

Reagents Used

Commercial Laboratory (152 tests)

Name of Laboratory Bondar Clegg & Co.

Extraction Method Aqua Regia

Analytical Method Fire Assay - A A

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
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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

June 15, 1988

Your File: W8803-140
Our File: 2.11219

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

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
OFFICE
JUN 21 1988
RECEIVED

Dear Sir:

RE: Notice of Intent dated May 31, 1988
Geological Survey
submitted on Mining Claims PA 893308 et al
in the Area of 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

AB:pl
Enclosure: Technical Assessment Work Credits

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, Ontaro
M5C 1E5

Ministry of Northern Development and Mines

Ontario

Technical Assessment Work Credits

File: 2.11219

Date: May 31, 1988

Mining Recorder's Report of Work No.: W8803-140

Recorded Holder: Power Exploraitons Inc.

Township or Area: ~~XXXXXX~~ Ochig Lake

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic _____ days	PA 893308-09 893312 to 21 inclusive 893323-24 893948 to 51 inclusive 893953 to 67 inclusive 903474 to 83 inclusive 903609 903611-12-14 903616 to 18 inclusive 903620-21
Magnetometer _____ days	
Radiometric _____ days	
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological 20 days	
Geochemical _____ days	
Man days [ ] Airborne [ ]	
Special provision [X] Ground [X]	
[ ] Credits have been reduced because of partial coverage of claims.	
[X] 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

10 days	15 days
PA 893952 893968-69	PA 893310-11 893322 903610 903613-15 903619

No credits have been allowed for the following mining claims

[X] not sufficiently covered by the survey [ ] insufficient technical data filed

No credits for linecutting - already approved on Report of Work 87-183.

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.

POWER
EXPLORATIONS INC.

1003-34 King St. East
Toronto, Ontario M5C 1E5
(416) 862-9078

May 20, 1988

RECEIVED
MAY 20 1988
MINING LANDS SECTION

Mr. W.R. Cowan
Manager
Mining Lands Section
Whitney Block, Room 6610
Queen's Park
Toronto, Ontario
M7A 1W3

Re: Technical Reports

Dear Mr. Cowan,

I am enclosing two (2) copies each of the technical reports on our Libert Lake property and Ochig property.

Thank you.

Yours very truly,

POWER EXPLORATIONS INC.

June M. Hodge
Assistant Secretary

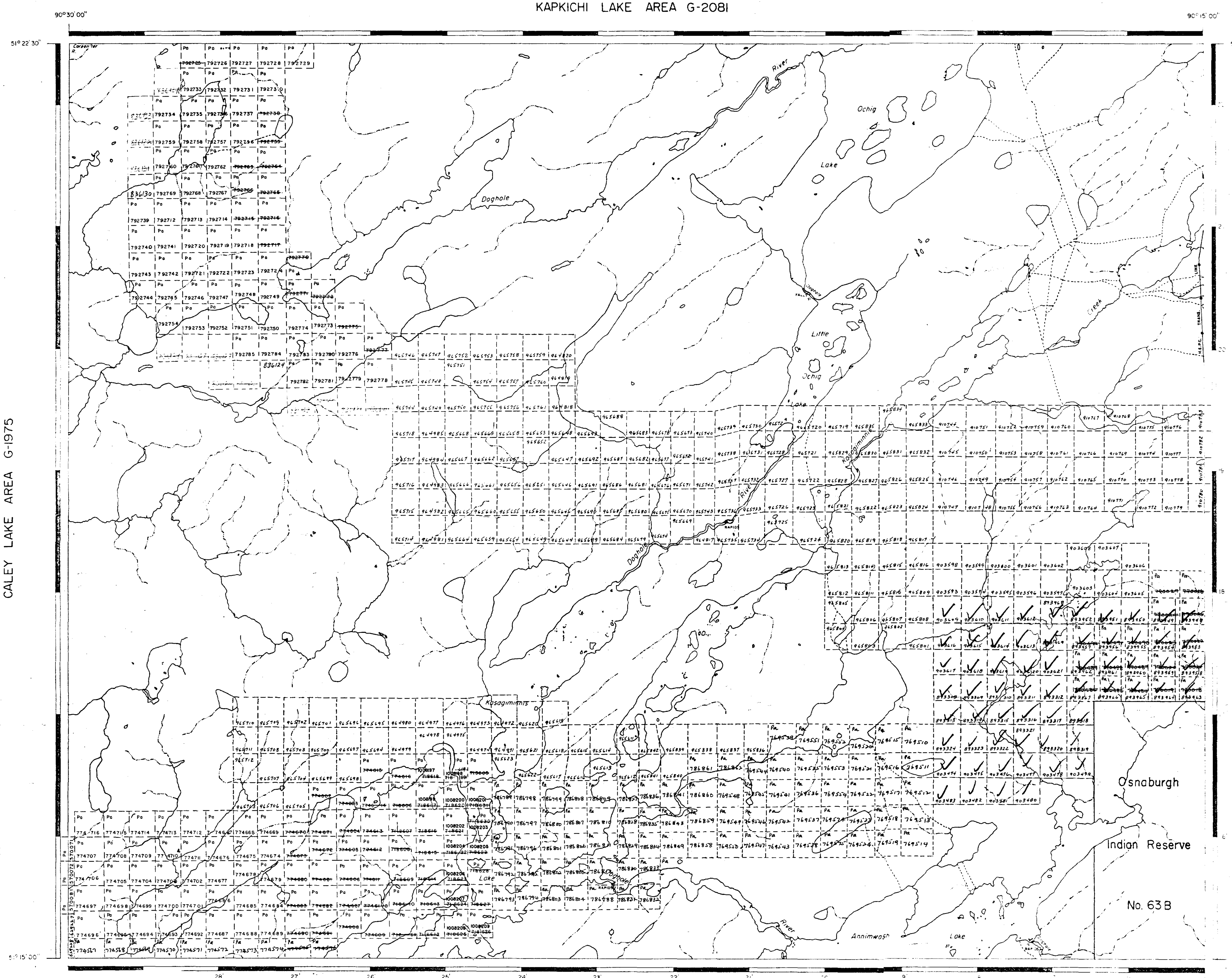
JMH/ml

Encl

KAPKICHI LAKE AREA G-2081

CALEY LAKE AREA G-1975

COUCHEEMOSKOG LAKE AREA G-1996



DOGHOLE LAKE AREA G-2007

52088SW0007 2.11219 LITTLE OCHIG LAKE

200

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

Oct. 21/86
FEB. 10/87
Mar. 11/87
Apr. [illegible]
87/12/16
Mar. 21/88

RECEIVED
APR 21 1988
PATRICIA MINING DIVISION

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
LAND TITLES / REGISTRY DIVISION
KENORA (PATRICIA PORTION)

Ontario
Ministry of Natural Resources
Land Management Branch

Date JANUARY, 1984

Number G-2104

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 — T.L. 48S

0 500 1000 1500 2000 FEET

LEGEND

QUATERNARY

Stream, lake, bog deposits
Glacial, glaciofluvial lacustrine sediments

LATE PRECAMBRIAN (Keeweenawan?) — 11

11a Diabase

EARLY PRECAMBRIAN

Intermediate and Felsic Intrusives — 10

10a Granite pegmatite
10b Aplite
10c Granite
10d Syenite
10e Quartz monzonite
10f Granodiorite
10g Trondjemite
10h Quartz diorite
10j Diorite
10k Unsubdivided gneiss
10l Granite gneiss

Mafic Intrusives — 9

9a Unsubdivided
9b Gabbro
9c Leucogabbro
9d Plagioclase-phyric gabbro
9e Peridotite
9f Pyroxenite

Iron Formation — 8

8a Oxide facies
8b Carbonate facies
8c Silicate facies
8d Sulphide facies

Chemical Metasediments — 7

7a Chert
7b Calcitic marble
7c Dolomitic marble

Clastic Metasediments — 6

6a Clast supported conglomerate
6b Matrix supported conglomerate
6c Oligomictic conglomerate
6d Polymictic conglomerate
6e Sandstone, unsubdivided
6f Wacke
6g Arenite
6h Mudstone, argillite
6j Feldspathic wacke
6k Feldspathic arenite
6l Quartz arenite
6m Schistose rock ± amphibole, ± biotite, ± garnet, ± chlorite of probable sedimentary origin

Felsic and Intermediate Subvolcanic Rocks — 5

5a Unsubdivided
5b Quartz-feldspar porphyry
5c Quartz porphyry
5d Feldspar porphyry

Felsic Metavolcanics — 4

4a Massive fine-medium grained flow
4b Pyroclastic breccia, tuff breccia
4c Tuff, lapilli tuff

Intermediate Metavolcanics — 3

3a Massive fine-medium grained flow
3b Flow breccia
3c Pyroclastic breccia, tuff breccia
3d Tuff, lapilli tuff

Mafic Metavolcanics — 2

2a Massive fine-medium grained flow
2b Amygdaloidal flow
2c Variolitic flow
2d Pillowed flow, pillow breccia
2e Flow breccia
2f Medium-coarse grained flow centres
2g Plagioclase-phyric flow
2h Amphibolite
2i Co-magmatic sills, dikes
2j Pyroclastic breccia, tuff breccia
2k Tuff, lapilli tuff
2l Chorite ± amphibole schist

Ultramafic Metavolcanics — 1

1a Massive fine-medium grained flow
1b Spinifex textured flow
1c Talc-carbonate ± magnetite ± amphibole ± serpentine ± chlorite schist

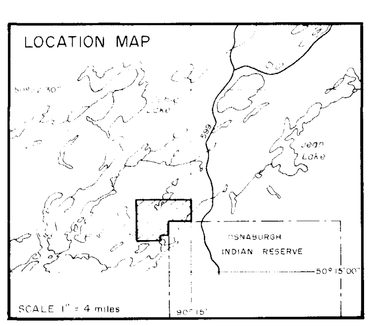
ABBREVIATIONS

Silicification	SIL, sil
Sericitization	SER, ser
Carbonatization	CAR, car
Chloritization	CHL, chl
	strong weak
Pyrite	py
Pyrrhotite	po
Chalcopyrite	cp
Arsenopyrite	asp
Sphalerite	sph
Galena	ga
Bornite	bn
Malachite	mal
Graphite	gr
Chrysocolla	chry
Magnetite	mt
Limonite	lim
Hematite	hem
Molybdenite	mo
Grunerite	grun
Siderite	sid
Dolomite	dol
Ankerite	ank
Garnet	gnt
Epidote	ep
Tourmaline	tl
Xenolith	xn
Mylonite	myl
Shearing	sh
Carbonatized	cc

SYMBOLS

Shoreline
Creek, showing flow
Swamp
Beaver Dam
Break in slope
Claim post, line, witness post — WP
Township line
Trench, pit
Diamond drill hole
Highway, bush road
Power transmission line
Outcrop, outcrop area
Geological boundary, observed,
Inferred, inferred from geophysics — G—G
Surficial feature boundary
Rock sample location & number — 17501
Assay for Au(ppb), Ag(ppm) — 13-016
Pillow; tops known, unknown
Bedding; inclined, vertical — 70
Foliation, cleavage; — 60
Inclined, vertical, unknown
Gneissosity; incl., vert., unknown — 50
Lineation, plunge — 60 / 70
Fracture; inclined, vertical — 30
Shear zone; dip
Sheer fracture; inclined, vertical
Fault zone; dextral, sinistral
Anticline, syncline; plunge — 50 / 30
Drag folds with plunge — 50 / 15
Dyke; width, dip — 50 / 30a
Vein; width, dip, quartz, carbonate — 6v, cv 80
Glacial striae

LOCATION MAP



POWER EXPLORATIONS INC.

OCHIG LAKE PROPERTY
Patricia M.D., Ontario

GEOLOGY
2.11219

GEOCANEX LTD
TORONTO, CANADA

BY: RH / RTM
DATE: JULY '87
SCALE: 1" = 400'
DWG. No: 1

52008596007 2.11219 LITTLE OCHIG LAKE