DIAMOND DRILLING

Area: Caley Lake

Report No: 14

WORK PERFORMED FOR: Power Ecplorations Inc.

RECORDED HOLDER: SAME AS ABOVE [x]

: OTHER [ ]

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
Pa 570074	BL-86-1	206'	Oct/86	(1)
	BL-86-2	564'	Oct/86	(1)
	BL-86-3	207'	Oct/86	(1)
Pa 719629	BL-86-4	300'	Oct/86	(1)
	BL-86-5	263'	Oct/86	(1)
Pa 719630	BL-86-6	288'	Oct/86	(1)
Pa 629229	BL-86-7	286'	Oct/86	(1)
	BL-86-8	321'	Oct/86	(1)
Pa 570078	BL-86-9	457'	Oct/86	(1)
Pa 570077	BL-86-10	210'	Oct/86	(1)
Pa 570086	BL-86-11	250'	Oct/86	(1)
Pa 570085	BL-86-12	212'	Oct/86	(1)
	BL-86-13	317'	Oct/86	(1)
Pa 570072	BL-86-14	260.8'	Oct-Nov/86	(1)
	BL-86-15	255'	Nov/86	(1)
Pa 570073	BL-86-16	296'	Nov/86	(1)
TOTAL	16 DH	4692.8'		

NOTES: (1) #120-87(filed in August/87)

020

REPORT

OF

DIAMOND DRILLING ON

THE BEN LAKE PROPERTY

BANCROFT LAKE AREA

KENORA MINING DIVISION (PATRICIA PORTION), ONTARIO

FOR

POWER EXPLORATIONS INC.

April, 1987

L.M. Jones
J.H. Adams

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APPENDICES

1.0 SUMMARY

The 1986 diamond drilling program on Power Explorations Inc. Ben Lake property consisted of 4,961 feet of drilling in 16 holes.

The property straddles a major contact which separates dominantly mafic volcanics to the north from dominantly felsic to intermediate pyroclastics to the south. Two prominent bands of iron formation cross the property from west to east near the contact area.

The 1986 drill program was based on recommendations from the 1984 field and drill reports and on a 1986 property evaluation report by Derry, Michener, Booth and Wahl.

Drill results from the program were generally low. The best gold value of .08 ounces per ton was returned from a hole drilled near a 1984 hole which yielded the same value. This area warrants further drilling.

The 1986 program reconfirmed the widespread distribution of low gold values on the property. Several additional drill targets have been identified.

2.0 INTRODUCTION

This report describes the results of a 4,961 foot diamond drilling program carried out from October 12 to November 3, 1986 on the Ben Lake Property of Power Explorations Inc. (Fig. No. 1).

Personnel involved in the program were Lawrence M. Jones, geologist, of Collingwood, Ontario and Robert Lindsay, field assistant, of Thunder Bay, Ontario.

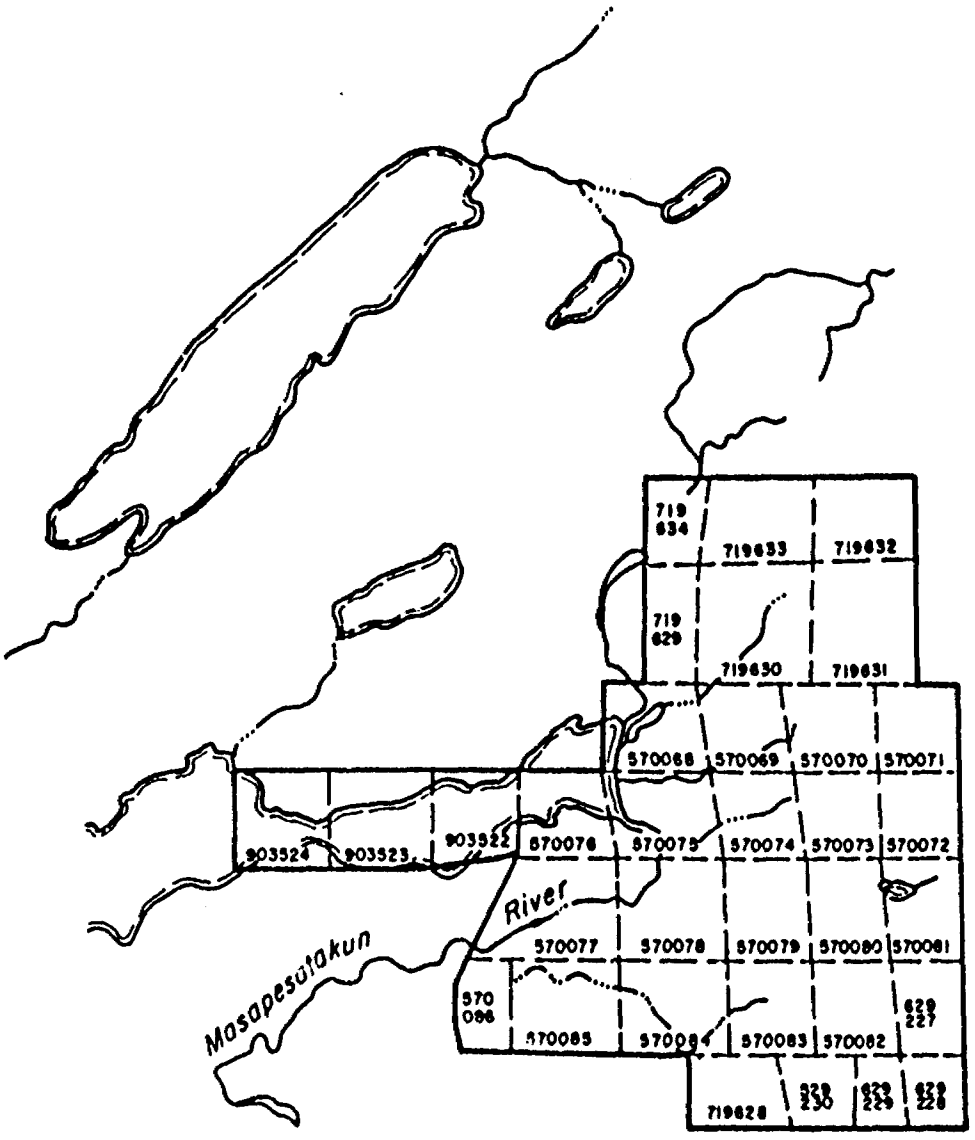
3.0 PROPERTY DESCRIPTION

The wholly-owned Ben (Bancroft) Lake property is comprised of 33 contiguous mining claims in the Patricia Mining District (Fig. No. 2) as follows:

Claim Numbers	Assessment Credits (days)	Date of Recording
Pa 570068-570086 incl	Maximum	July 7, 1981
Pa 629227-629230 incl	Maximum	August 17, 1982
Pa 719628-719634 incl	Maximum	December 5, 1983
Pa 903533-903524 incl	Nil	May 30, 1986

4.0 LOCATIONS, ACCESS AND SERVICES

The Ben Lake Property, on the south and east shores of Ben (Bancroft) Lake, is approximately 22 miles southeast of the town of Pickle Lake and 14 miles west of Highway 599. Highway 599 is a paved road joining Pickle Lake to the town of Ignace on the Trans Canada Highway 200 miles to the south.



0 0·5 1 mile

669977 ONTARIO LTD.

BEN LAKE PROPERTY
Patricia M.D., Ontario

CLAIM SKETCH

1" = 2640'

GEOCANEX LTD
TORONTO, CANADA

BY: R.T.M.
DATE: Dec. 1986
SCALE: 1" = 2640'
FTC No: 2

Access in summer is by float plane from Pickle Lake or by water from Highway 599 via Matapesatakun Bay on Lake St. Joseph, a distance of approximately 30 miles. In winter, access may be gained by ski-equipped aircraft from Pickle Lake, or via snowmobile on a winter road from Highway 599.

5.0 PHYSIOGRAPHY AND VEGETATION

Relief on the claim group is relatively gentle, less than 50 feet. In the central part of the property jack pine and black spruce cover a series of gentle ridges trending east-west along the southern shore of Bancroft Lake. In the northern and southern portions of the claim group, isolated islands of outcrop are separated by black spruce-tamarack-alder swamps. Bancroft Lake extends into the northwest portion of the claim group and underlies a major part of four claims.

6.0 PREVIOUS WORK

In 1954, prospector Ben Ohman discovered gold in iron formation on the property now held by Power Explorations Inc. Trenching by Mr. Ohman in the following 10 years resulted in the discovery of gold along 3 bands of iron formation.

In 1963, J. Payton of Pickle Crow Gold Mines Ltd. sampled several of the trenches and reported values of up to 4.07 ounces per ton of gold over 16 inches and 2.86 ounces per ton of gold over 11 inches.

UMEX drilled a hole to test an airbourne geophysical anomaly on the present property in 1973. Iron formation is assumed to have been intersected, however, the company apparently did not assay for gold.

In 1982, 493217 Ontario Ltd. conducted VLF-EM and magnetic surveys on the original Ben Lake group of 23 claims. The surveys were by pace and compass with readings taken at 100 foot intervals along lines spaced 400 feet apart. Limited trench sampling was carried out at this time.

Mr. C. Von Hessert prepared a property evaluation report for Moss Resources Ltd. in 1982 and recommended a comprehensive field program followed by diamond drilling. This program was carried out in 1983-1984.

In the fall and winter of 1983-1984 a cut picket grid was established with stations at 100 foot intervals along lines 200 feet apart. A magnetic survey was carried out over the entire grid and a VLF-EM survey was completed over those areas not covered in the 1982 survey. I.P. was run on alternate lines.

In the spring of 1984, Geocanex Ltd., under contract to Moss Resources Ltd., carried out detailed mapping and sampling of 35 trenches; prospecting and geological mapping of the grid; and humus sampling over selected areas of the property. This was followed by a 5,000 foot diamond drilling program in the fall of 1985 to test prospective targets outlined by the previous surface program.

Power Explorations Inc. accquired the property in 1986 and engaged Derry, Michener, Booth and Wahl to prepare a property evaluation report. The report recommended further field work and 5,000 feet of additional diamond drilling.

The current program was based on recommendations from this report and on recommendations from the 1984 Geocanex drilling report.

7.0 REGIONAL GEOLOGY AND ECONOMIC MINERALIZATION

The Pickle Lake area is located within the Uchi Subprovince, a part of the Superior Province in 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.

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

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

The former producing Pickle Crow and Central Patricia mines operated from 1935 to 1966 and 1934 to 1951, respectively, collectively producing 2,068,020 ounces of gold from 4,966,820 tons 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 Ltd. and St. Joe Canada 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, September, 1986). The mine is expected to produce approximately 40,000 ounces of gold per year over a 10 year period.

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 of gold per ton and is expected to produce 40,000 ounces of gold annually (Northern Miner, March 23, 1987).

8.0 PROPERTY GEOLOGY

The geology of the entire Ben Lake property is described in a separate report by J.H. Adams dated November 30, 1984.

The property straddles a major contact which separates dominantly mafic volcanics to the north from dominantly felsic to intermediate pyroclastics to the south. The rocks generally strike N65°E and dip 70 to 85°S. Tops indicate the rocks become younger to the south. Eight zones of actual or potential gold mineralization were outlined in J.H. Adams report on field activities. Five of these were drilled in the August-October, 1984 drilling program.

Most outcrop on the property lies near the baseline in the central part of the property and exposes the previously mentioned contact area and a group of mixed volcanics, volcanoclastics and clastic and chemical sediments. Most significant of the latter are two major parallel bands of oxide facies iron formation which traverse the property from grid west to east. The bands unite in the east to form a single band up to 200 feet in width. The northern and southern bands are designated Zones 2 and 3 respectively and the area where the bands unite is referred to as Zone 4. Zone 2 is subdivided into area "C" which is exposed in a series of trenches around L18+00E and 20+00E; and area "D" which was outlined in the 1984 drill program around L32+00E and 40+00E. Similarly, Zone 3 is subdivided into area "E", exposed in trenches between L8+00W and 2+00W at about 10+00S; and area "F", outlined by drilling around L28+00E.

The magnetic expression of these zones suggests the bands may be limbs of an antiform plunging to the east and dipping to the south. A number of narrower and less continous bands of iron formation and associated sediments flank the main band between L4+00E and 20+00E.

The area between the two major bands is occupied mainly by mafic volcanics and lesser amounts of mafic intrusives and tuffs. Rare, slightly deformed pillows indicate tops to the south. Subconcordant quartz feldspar porphyry sills are common and have been traced over 500 feet.

The southern band of iron formation is bounded to the south by mafic flows and tuffs which range from approximately 250 feet at L16+00E, to a few feet at L8+00W. The southern boundary of this unit is the major contact separating the mafic volcanics to the north from the dominantly felsic and tuffaceous volcanics to the south.

In the western part of the property, rocks immediately south of the contact are characteristically very cherty, felsic to intermediate tuffs and tuffaceous sediments. In the east, the tuffs are intermediate in composition and lack chert. In the central part of the property near L16+00E the tuffs are more intermediate in composition and the proportion of chert high. Two minor bands of iron formation occur in this area, which has been designated Zone 5. Zone 5 is subdivided into area "E", immediately south of Zone 3 area "E"; and area "G" between L10+00E and 20+00E, from 12+00S to 16+00S.

Rocks immediately north of the main northern band of iron formation are argillaceous and banded siliceous sediments with intermixed tuffs. Thickness of this unit in the western end of the property is unknown; however, in the east, hole BL-84-4 intersected 160 feet of banded siliceous sediments and felsic tuff immediately north of the northern band of iron formation.

A large wedge of coarse grained mafic flows and intermediate to mafic tuffs occurs within the sediments described above. This unit is approximately 300 feet wide in the western end of the property and has been traced on surface as far east as L20+00E. It appears to pinch out west of L38+00E, where it occurs as a narrow band of intermediate and mafic tuff in hole BL-84-11, but was not encountered in the deeper penetration of BL-86-2.

Between L4+00E and 16+00E a band of sediments lies between the northern edge of the wedge of mafic flows and tuffs, and a band of felsic tuffs to the north. Zone 1 occurs here in argillites and siliceous sediments and wackes. Zone 1 area "A" is between L5+00E and 11+00E at 3+00S, and is exposed in trenches. Area "B" of Zone 1 as outlined by drilling in the 1984 program, lies north of Zone 4, between L48+00E and 56+00E.

The major bands of metasediments and tuffs north of the main iron formation bands are bounded to the north by massive mafic to intermediate flows averaging 500 to 600 feet in width. Zone 6 designates an isolated outcrop grouping near L50+00E between 42+00S and 44+00S, and is part of an extensive east-west trending magnetic and I.P. zone. It consists mainly of volcanoclastic units, including felsic tuff, lapilli tuff, and intermediate to mafic agglomerate. Hole BL-86-8 also encountered minor iron formation and quartz feldspar porphyry here.

Zone 7 is a 50 to 100 foot wide band of felsic volcanics within mafic flows, between L8+00E to 34+00E, from 2+00N to 3+00N.

Zone 8 is defined by a major magnetic feature which extends from L8+00E to 72+00E at 16+00N. Surface exposure near line 70+00E shows this feature to be caused by 2 narrow bands of iron formation. Between L54+00E and 32+00E the zone exhibits a much weaker magnetic response.

9.0 SUMMARY OF PROPERTY GEOPHYSICS

In the fall and winter of 1983-1984, a grid was established with stations at 100 foot intervals along lines 200 feet apart. A magnetic survey was carried out over the entire grid and a VLF-EM survey was carried out over those areas of the property which weren't covered in a 1982 survey done by 493217 Ontario Limited. An Induced Polarization survey was done on alternate lines.

The results of these surveys were reported in detail by J.W. Kieley in his report dated January 16, 1984, to Moss Resources Ltd. To summarize his report, three discrete zones were outlined. These zones are typically magnetic, high in apparent chargeability, low in resistivity, and contain multiple horizons within each zone.

The most northerly of these lies between L44+00E near 25+00N to L68+00E near 20+00N. The main anomalous zone on the property lies south of the baseline, as a continous and magnetically anomalous zone between L8+00W and 70+00E. The third zone is situated approximately 3,000 feet south of the baseline between L36+00E and 62+00E.

10.0 DRILLING PROGRAM

10.1 Description of Program

Sixteen holes were drilled between October 12 and November 3, 1986. A total of 4,691 feet was drilled by Midwest Drilling, a Division of Germac Enterprises Ltd. Drilling was done on two 12-hour daily shifts. The B.Q. core was split on site and shipped to Bondar Clegg and Co. Ltd. in Ottawa for fire assay. Core was stored at the base camp at L22+00E,4+00N on the Ben Lake grid.

All hole casings were pulled, except for ten feet of casing which was deliberately left in hole BL-86-15. This hole, at L66+00E,12+00S was found to make water.

10.2 Discussion of Results

Table 1 presents in chart form a summary of targets and locations of all holes from this program as well as a summary of rock units intersected and significant assay results. Figure No. 3 shows drill hole projections and assay highlights from the 1986 drill program. Drill sections and legend are located in appendix D and drill logs are compiled in Appendix C.

10.2.1 Area "A" Zone 1

BL-86-10 was drilled at 7+00E,4+00S to test for the possible western extension at depth of zone 1 area "A" gold mineralization (Fig. No. 3).

TABLE I SUMMARY TABLE OF DRILL HOLE DATA

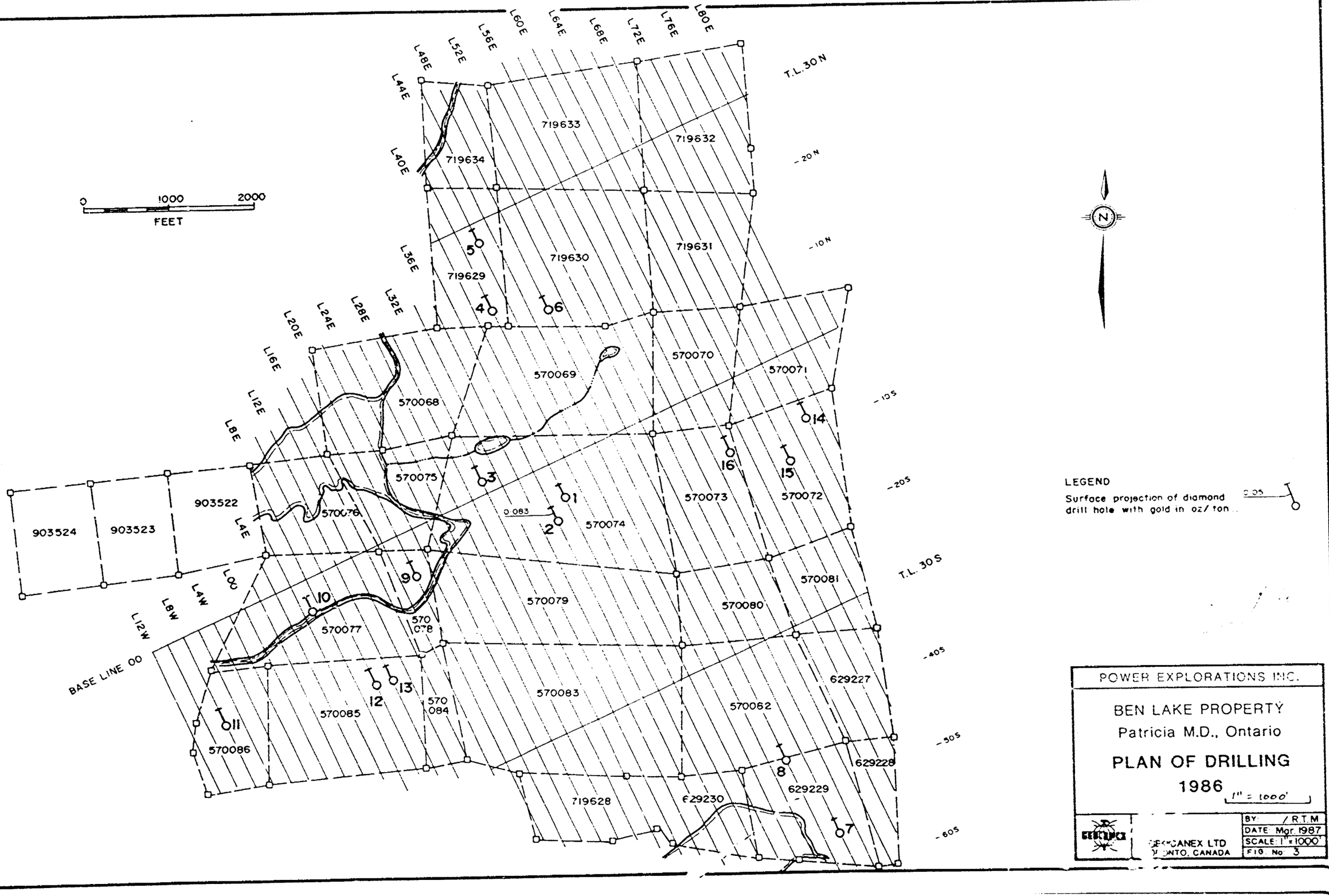
Hole #	Location	Depth	Target	Intersected
BL-86-1	L 40+00E, 4+19.5S	206 ft.	Eastern extension of mineralized Horizon encountered in BL-84-11.	Mafic tuffs, mafic flows, quartz feldspar porphyry amphibolite, greywacke banded iron formation. .015 oz/ton 131.1'- 132.5'
BL-86-2	L 38+00E 6+63S	564 ft.	a) Mineralized horizon 200ft below same intercept in BL-84-11. b) Zone 3 iron Formation.	Mafic flows, amphibolite, quartz feldspar porphyry mafic to intermediate tuff, banded iron formation mafic tuff, greywacke. .008 oz/ton 131.0'-135.8' banded iron formation .016 " 167.8'-169.3' graphitic sediment .021 " 169.3'-174.4' banded iron formation .083 " 212.1'-216.1' " " "
BL-86-3	L 32+00E 1+46N	207 ft.	Felsic volcanics with minor gold values in quartz-tourmaline veins (0.35 oz/ton) good I.P. response.	Mafic flows, mafic, intermediate and felsic tuffs, quartz feldspar porphyry, greywacke. .024 oz/ton 51.1'- 52.1' pyrite coated fracture in intermediate tuff.
BL-86-4	L 42+00E 19+50N	300 ft.	Good VLF conductors axis in large mag gap, with coincident gold in humus (30 ppb).	Greywacke, sheared greywacke, mafic tuff intermediate to felsic tuff. No significant assays.
BL-86-5	L 44+00E 27+50N	263 ft.	Mag high and VLF conductor axis with a cluster of minor gold from soil geo-chemistry.	Mafic to intermediate tuff, greywacke, mafic tuff, intermediate to felsic tuff. No significant assays.
BL-86-6	L 48+00E 16+80N	288 ft.	Same VLF conductor axis as BL-86-4, same mag. gap, nearby anomalous soil geochemistry.	Greywacke, quartz feldspar porphyry, mafic tuff, mafic sills. No significant assays.
BL-86-7	L 52+00E 54+50S	286 ft.	VLF axis near mag. high, chargeability anomaly.	Greywacke, mafic tuffs, mafic flows, garnetiferous sediment, amphibolite. No significant assays.

TABLE I SUMMARY TABLE OF DRILL HOLE DATA (Cont'd)

Hole #	Location	Depth	Target	Intersected
BL-86-8	L 50+00E 44+25S	321 ft.	Magnetic high associated with VLF axis in Zone 6.	Banded iron formation, greywacke, garnetiferous sediments, mafic, intermediate and felsic tuffs, mafic and intermediate lapilli tuffs, mafic flows quartz diorite, quartz feldspar porphyry. No significant assays.
BL-86-9	L 20+00E 5+25S	457 ft.	Eastern extension of a horizon which yielded .1 ounces per ton over 2 feet in trench. Zone 2 iron formation.	Mafic flow, banded iron formation, graphitic sediments, quartz feldspar porphyry, diorite greywacke, mafic and intermediate tuffs .024 oz/ton 287.6'- 288.6' quartz-carbonate-tourmaline vein with 3-5% pyrrhotite. .012 oz/ton 358.8'- 362.6' diorite trace pyrite, hematite staining.
BL-86-10	L 7+00E 4+25S	210 ft.	Western extension of Zone 1 Area "A" mineralization.	Amphibolite, greywacke, quartz feldspar porphyry argillaceous sediment, graphitic sediment, mafic tuff, banded iron formation. No significant assays.
BL-86-11	L 8+00W 11+50S	250 ft.	Western extension of Zone 3 Area "A" mineralization.	Tuffaceous sediment, argillaceous sediment intermediate intrusive, mafic intermediate and felsic tuffs, mafic flow. .021 oz/ton 212.5'- 213.5' zone from 212.5'- 213.1' with 60-70% pyrite.
BL-86-12	L 10+00E 15+00S	212 ft.	Western extension of mineralized horizon encountered in hole BL-84-9 Zone 5, Area "G".	Greywacke, tuffaceous sediment, mafic flows mafic, intermediate and felsic tuffs. .013 oz/ton 191.3'- 193.0' mafic tuff with 5-10% pyrrhotite, 3 - 5% pyrite.
BL-86-13	L 12+00E 15+31S	317 ft.	Extension at depth of mineralized horizon encountered in BL-84-9 Zone 5, Area "G"	Greywacke, intermediate intrusive, mafic flow, mafic tuff, intermediate tuff, felsic lapilli tuff No significant assays.

TABLE I SUMMARY TABLE OF DRILL HOLE DATA (Cont'd)

Hole #	Location	Depth	Target	Intersected
BL-86-14	L 70+00E 8+00S	259 ft.	Small magnetic anomaly in large magnetic gap east of Zone 4.	Mafic flows, mafic tuff, amphibolite. No significant assays.
BL-86-15	L 66+00E 12+00S	255 ft.	Small magnetic anomaly south of large magnetic gap east of Zone 4.	Mafic to intermediate tuff, greywacke, banded iron formation, quartz feldspar porphyry mafic tuff, argillaceous sediment. .026 oz/ton 127.0'-129.5' greywacke with 1-2% finely disseminated magnetite.
BL-86-16	L 60+00E 8+00S	296 ft.	Eastern tip of Zone 4 iron formation.	Greywacke, cherty sediments, mafic tuff, graphitic tuff, banded iron formation, intermediate tuff, felsic tuff, intermediate intrusive. .003 oz/ton 116.4'- 117.8' mafic tuff. .002 oz/ton 117.8'- 121.0' graphitic sediment. .003 oz/ton 121.0'- 124.4' banded iron formation.



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LEGEND

Surface projection of diamond drill hole with gold in oz/ ton — 0.05

POWER EXPLORATIONS INC.

BEN LAKE PROPERTY

Patricia M.D., Ontario

PLAN OF DRILLING

1986

1" = 1000'

BY:	R.T.M
DATE	Mar. 1987
SCALE	1" = 1000'
FIG. No.	3

GEOCANEX LTD
TORONTO, CANADA

In 1984, samples from trenches near L8+00E,3+00S yielded up to 1.05 ounces per ton gold. Hole BL-86-19 drilled under the best trench in 1984 yielded values of up to only .06 ounces per ton gold. Hole BL-84-20 also drilled in 1984 at a location 200 feet east of BL-84-19, yielded no significant gold values.

This year BL-86-10 drilled 200 feet to the west of the best trench, yielded no significant gold values. No further work is recommended in area "A".

10.2.2 Area "C" Zone 2

BL-86-9 was drilled at L20+00E 5+25S to test the eastern extension of a zone which yielded .10 oz/ton gold over 2 feet from a sample of iron formation in a trench. It was also intended to test zone 2. The iron formation encountered in the hole produced no significant assays. However, a quartz-carbonate-tourmaline vein yielded .024 ounces per ton and an interval of diorite yielded .012 ounces per ton. No other significant values were encountered.

10.2.3 Area "D" Zone 2

BL-86-1 at L40+00E,4+19S, and BL-86-2 at L38+00E,6+63S were drilled to test Zone 2 area "D" mineralization; at depth and to the east respectively of hole BL-84-11. BL-86-2 also intersected Zone 3 iron formation.

In 1984, BL-84-11 yielded .08 ounces per ton over 3.6 feet of typical banded iron formation. In 1986, hole BL-86-2 intersected the same Zone 2 iron formation 330 feet vertically below the .08 ounce per ton intercept in BL-84-11, however, the best gold values from this unit were .005 ounces per ton over 3.0 feet and .005 ounces per ton gold over 1.4 feet.

This Zone 2 iron formation did not yield significant gold values at depth or 200 feet along strike from the 1984 intercept of .08 ounces per ton.

BL-86-2 did, however, encounter Zone 3 iron formation which yielded the best gold values encountered in this program. A 4.0 feet interval of iron formation yielded .083 ounces of gold per ton. A second interval yielded .021 ounces per ton over 5.1 feet. Graphitic sediment between banded iron formation zones yielded .016 ounces per ton over 1.5 feet.

10.2.4 Area "E" Zone 3

The western extension of mineralization in Zone 3 area "E" was tested by BL-86-11 at L8+00W, 11+50S. Trench sampling 25 feet east of L8+00W, 11+50S in 1984 returned gold values of up to .295 ounces per ton over 1.5 feet in iron formation. Drilling in the area at L6+00W and 7+00W in 1984, returned two values of .01 ounces per ton over 2 and 5 feet in iron formation, and two values of .02 ounces per ton over 5 feet in mafic flows.

BL-86-11 returned a value of .021 ounces per ton over one foot. The sample was of a 0.6 foot zone with 60 to 70% pyrite in a mafic flow. Zone 2 iron formation was not encountered in the hole indicating this unit terminates at depth between L7+00W and 8+00W.

10.2.5 Zone 4

The Eastern tip of Zone 4 was tested at L60+00E, 8+00S by Hole BL-86-16. A sequence of mafic tuff, greywacke, and banded iron formation returned low gold values of .003 ounces per ton over 1.4 feet, .002 ounces per ton over 3.2 feet and .003 ounces per ton over 3.4 feet respectively.

A large magnetic gap east of Zone 4 was tested by two holes. Hole BL-86-14 drilled at L70+00E at 8+00S, tested a 1020 gamma minor magnetic high on strike with the Zone 4 iron formation 1,000 feet east of hole BL-86-16. The hole intersected mafic tuffs, flows and amphibolite and returned one gold value of .007 ounces per ton over 1.5 feet of mafic flow with quartz carbonate stringers and disseminated pyrite.

Hole BL-86-15 was drilled south of Zone 4 on L66+00E at 12+00S to test a weak magnetic high thought to represent weak iron formation. Iron formation was intersected. A gold value of .026 ounces per ton over 2.5 feet was returned from greywacke with disseminated magnetite. Four gold values of between .006 ounces per ton and .009 ounces per ton were returned from greywacke and iron formation. No further work is warranted on Zone 4 at this time.

10.2.6 Area "G" Zone 5

Hole BL-86-12 at L10+00E,15+00S and Hole BL-86-13 at L12+00E, 15+31S were drilled to test for extensions respectively to the west and at depth of mineralization in 1984 hole number BL-84-9. BL-84-9 encountered significant gold values in mafic to felsic cherty tuffs including .06 ounces per ton over 1.5 feet, .02 ounces per ton over 5.0 feet, .019 ounces per ton over 7.1 feet and .017 ounces per ton over 11.0 feet.

In the 1986 program BL-86-12 returned a single value of .013 ounces per ton over 1.7 feet from a mafic tuff. No significant assays were returned from BL-86-13.

Additional suggested work in this area is discussed in Section 11.0 and 12.0.

10.2.7 Zone 6

Hole BL-86-8 was drilled on L50+00E,44+25S to test a VLF conductor axis coincident with a magnetic high and an apparent chargeability high in Zone 6. The hole intersected sediments, pyroclastics, mafic flows and intermediate intrusives, with no significant assays reported.

Hole BL-86-7 was drilled at L52+00E, 54+50S to the south of Zone 6 to investigate a VLF conductor axis with a coincident chargeability high.

The hole intersected sediments, mafic flows and amphibolites with no significant gold assays reported. No further drilling is recommended in the areas of BL-86-7 or BL-86-8.

10.2.8 Zone 7

BL-86-3 was drilled at L32+00E,1+46N to test a 1984 gold value of .030 ounces per ton from a surface sample of a quartz-tourmaline vein cross-cutting a quartz feldspar porphyry sill. The only significant value reported from the hole was .024 ounces per ton over 1.0 feet of intermediate tuff with a pyrite coated fracture. No further work is recommended in this area.

10.2.9 Zone 8

Holes BL-86-4 and BL-86-6 were drilled at L42+00E,19+50N and L48+00,16+80N respectively to test a long, continuous VLF conductor axis in the gap of the magnetic high of Zone 8. Each hole was also located near anomalous gold values from soil geochemistry.

BL-86-4 may have overshot its target as it had to be cased to 130 feet, however, the probable cause of the VLF conductor is a 3 foot wide shear zone from 133.5 to 136.5 feet. No significant assays were reported from this hole.

BL-86-5 was drilled north of Zone 8 on L44+00E at 27+50N to test a VLF conductor axis and a small magnetic anomaly with a coincident cluster of anomalous gold values from soil geochemistry. The hole intersected greywackes and several tuffaceous units, but no significant gold values were reported. No additional work in this area is recommended at this time.

11.0 CONCLUSIONS

Gold values encountered in the 1986 drill program were generally low. The best value of .083 ounces per ton gold was encountered in a hole drilled to test the down dip extension of a similar value intersected in the 1984 drill program. The mineralized intercepts in the two holes do not correlate stratigraphically, however, this area does contain significant gold and warrants further drilling.

This program reconfirmed the widespread distribution of low gold values on the property. Several potential targets have been identified based on results of the 1984 and 1986 drill programs and on a 1986 report by Derry Michener Booth and Wahl. These are listed on Table 2.

TABLE 2: SUGGESTED ADDITIONAL DRILLING

PRIORITY	AREA	ZONE	LOCATION	AZIMUTH	DIP	APPROX. DEPTH	TARGET
1	D	2	L37+00E,6+65S	335°	60°	570'	Possible western extension of gold mineralization encountered in holes BL-84-11 and BL-86-2
1	G	5	L14+00E,15+00S	335°	45°	200'	Eastern extension of mineralized horizon in BL-84-9
1	-	4	L48+00E,9+40S	335°	55°	700'	Mineralized horizon below intercepts in BL-84-5
2	E	3	L2+00E,11+50S	335°	45°	200'	a) Eastern extension of Area "E" mineralization. b) Zone 5 cherty tuffs
2	B	1	L54+00E,4+50S	335°	45°	250'	Western extension of a 15.7' mineralized interval
2	-	4	L52+00E,10+60S	335°	55°	675'	Mineralized horizon between holes BL-84-3 and BL-84-5
2	-	-	L68+00E,16+20N	335°	45°	350'	Iron formation; chargeability high
3	-	-	L32+00E,12+00S	335°	45°	300'	Resistivity high, possibly a felsic intrusive
3	-	2	L 0+00,8+00S	335°	45°	300'	Zone 2 iron formation; Possible North-east trending fault
3	-	-	L44+00E,10+00N	335°	45°	200'	Chargeability high, 102 ppb Au in humus, abundant quartz-feldspar porphyry sills in andesite.
3	-	6	L16+00E,2+00N	335°	45°	200'	Felsic Volcanics with strong I.P. and 82 ppb Au in humus
3	-	4	L56+00E,10+00S	335°	55°	700'	Mineralized horizon below the intercept in BL-84-3.
3	F	3	L24+00E,8+50S	335°	45°	200'	Folded and possibly faulted iron formation.

* Priority 1 - total footage 1470'; * Priority 2 - total footage 1475'; * Priority 3 - total footage 1900'

12.0 RECOMMENDATIONS

Limited additional drilling is recommended. Table 2 is a priority listing of 13 potential drill targets. These include 3 first class drill targets totalling 1,470 feet, 4 second class targets totalling 1,475 feet and 6 third class targets totalling 1,900 feet.

Respectfully submitted,

John H. Adams

John H. Adams, B.Sc.
Geocanex Ltd.

13.0 REFERENCES

Adams, J.H., 1984. Report of Field Activities on the Ben Lake Property For Moss Resources Ltd. May-June, 1984.

Adams, J.H., 1984. Report of Drilling on the Ben Lake Property For Moss Resources Ltd. August-October, 1984.

Von Hessert, C., 1983. Report to Moss Resources Ltd. on the Bancroft (Ben) Lake Property, Patricia Mining District, Ontario.

Kieley, J.W., 1984. Report to Moss Resources Ltd. on the Geophysical Surveys at their Ben Lake Property, Patricia Mining District, Ontario.

Pearson, W. and Woolham, R. - 1986 Report on Properties of Power Exploration Inc., Pickle Lake Area, Ontario. Derry, Michener, Booth and Wahl.

APPENDIX A

CERTIFICATE OF QUALIFICATIONS

CERTIFICATE OF QUALIFICATIONS

THIS IS TO CERTIFY THAT:

I have been a resident of Osgoode, Ontario since 1976.

I have been engaged in mineral exploration since 1971 and have been a consulting geologist since 1979.

I am a graduate of Carleton University (B.Sc. 1971) in geology.

I am a fellow of the Geological Association of Canada and also a member of the Canadian Institute of Mining and Metallurgy, of the Quebec Prospectors Association, of the Association of Exploration Geochemists and of the Prospectors and Developers Association.

This report is based on the author's personal observations on the property, 16 years experience in exploration, on a comprehensive study of all the assessment work records and on geological maps and reports published for the area of interest by the Geological Survey of Canada.

DATED THIS 17th DAY OF June/1987

John H. Adams

John H. Adams, B.Sc.
Geocanex Ltd.

APPENDIX B

REPORT OF WORK

52007SE0009 52007SE0021 CALEY LAKE

900

Ministry of Natural Resources
Ontario

Report of Work

#87-120

The Mining Act

Instructions – Supply required data on a separate form for each type of work to be recorded (see table below).
– For Geo-technical work use form no. 1362 "Report of Work (Geological, Geophysical, Geochemical and Expenditures)".

Name and Postal Address of Recorded Holder	Prospector's Licence No.
POWER EXPLORATIONS INC. 1003-34 King Street East, Toronto, Ontario, M5C 1E5	T 4642

Summary of Work Performance and Distribution of Credits CALEY LAKE G1975 / LITTLE OCHIG LAKE G-2104

Total Work Days Cr. claimed ~~600~~ 4693

For Performance of the following work. (Check one only)	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
☐ Manual Work	Pa	903522	200						
☐ Shaft Sinking Drifting or other Lateral Work.		903523	200						
☐ Compressed Air, other Power driven or mechanical equip.		903524	200						
☐ Power Stripping									
☒ Diamond or other Core drilling									
☐ Land Survey									

ONTARIO GEOLOGICAL SURVEY ASSESSMENT FILES RESEARCH OFFICE
JUL 9 1987
RECEIVED

All the work was performed on Mining Claim(s): Pa 570072, 570073, 570074, 570077, 570078, 570085 570086, 629229, 719629, 719630, 570082

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Drilling Contractor: Midwest Drilling, Division of Germac Enterprises
Winnipeg, Manitoba.
180 Cree Crescent
Winnipeg, Manitoba
R3J 3W1

TOTAL 4693
87-120 USING 600
BALANCE 4093 days

Core Size: B.Q. 1-7/16"

Holes: Sixteen (16)

Footage: ~~4,916 feet~~ 4693 feet

P. Allen Recorded

PATRICIA MINING DIV.
RECEIVED
JUN 29 1987
A.M. 7 8 9 10 11 12 1 2 3 4 5 6 P.M.

Geologist in Charge: L.M. Jones
312 Simcoe Street
Collingwood, Ontario
L9Y 1J9

Dates: October 12 to November 3, 1986.

Pa. 903522

Date of Report	Recorded Holder or Agent (Signature)
March, 1986	J.H. Adams

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	Date Certified	Certified by (Signature)
J.H. Adams, 1003-34 King Street East, Toronto, Ontario M5C 1E5	17 June 1987	J.H. Adams

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific Information per type	Other Information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Diamond or other core drilling	Signed core log showing: footage, diameter of core, number and angle of holes.		Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyor.	Nil	Nil

0168 (81/5)

APPENDIX C

DIAMOND DRILL LOGS

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-1 LENGTH 206'
LOCATION 140 00E 4+19.5S
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335° DIP -47°
STARTED October 12, 1986 FINISHED October 13, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
206.0'	-43.3°				

HOLE NO. BL-86-1 SHEET NO. 1 of 2
REMARKS Summary Log
Claim 570074
LOGGED BY L.Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION SUMMARY LOG	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
0	30.0	CASING										
30.0	48.5	MAFIC FLOW - dark grey-green, fine grained, weakly foliated.										
		- 40.3 - quartz-tourmaline vein.										
48.5	49.5	MAFIC TUFF - dark gray-green, fine grained, quartz-carbonate stringers 50-60% of unit.										
49.5	50.4	MAFIC SILL - dark green, fine to medium grained.										
50.4	53.5	MAFIC TUFF - banded.										
53.5	60.2	MAFIC FLOW - typical.										
60.2	76.1	AMPHIBOLITE - mottled dark green-grey.										
76.1	77.9	CHERT - medium grey, fine grained, well carbonatized.										
77.9	81.8	AMPHIBOLITE - typical.										
81.8	82.5	QUARTZ-CARBONATE VEIN - 15-20% tourmaline.										
82.5	94.5	MAFIC TUFF - typical.										
94.5	97.9	QUARTZ-FELDSPAR PORPHYRY - medium grey, mottled by grey-white quartz and feldspar phenocrysts.										
97.9	99.1	MAFIC TUFF - typical.										
99.1	101.3	QUARTZ-FELDSPAR PORPHYRY - typical.										
101.3	106.3	MAFIC TUFF - typical, medium to dark grey-green.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-1 SHEET NO. 2 of 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz Ton	ASSAYS oz Ton	
106.3	109.8	BANDED IRON FORMATION - fine to medium grained, medium grey-black, fine lenses of magnetite, chert and grunerite give wispy appearance, pyrite and pyrrhotite trace.										
109.8	110.9	MAFIC SILL										
110.9	122.5	BANDED IRON FORMATION										
122.5	129.3	GREYWACKE - dark green-grey, fine to medium grained.										
		- 126.6 - 127.1 - Banded Iron Formation, 1-2% pyrite, 1-2% pyrrhotite.										
129.3	137.2	BANDED IRON FORMATION - garnetiferous.	6064	tr	129.3	131.1	1.8			.004		
			6065	tr	131.1	132.5	1.4			.015		
137.2	139.0	GRAPHITIC SEDIMENT - black-green, 20-30% coarse pink garnets.										
139.0	143.5	QUARTZ-FELDSPAR PORPHYRY - typical.										
143.5	144.2	GREYWACKE - typical.										
144.2	151.8	QUARTZ-FELDSPAR PORPHYRY - typical.										
151.8	152.7	SEDIMENT - dark grey with green hues, fine grained, poorly banded.										
152.7	155.0	QUARTZ-FELDSPAR PORPHYRY - typical.										
155.0	161.8	SEDIMENT - typical.										
		- 159.0 - quartz-tourmaline vein.										
161.8	168.7	MAFIC TO INTERMEDIATE TUFF - medium grey, fine to coarse grained, well banded.										
168.7	206.0	GREYWACKE - typical.										
		- 182.0 - 182.8 - quartz-tourmaline vein.										
206.0		End of Hole.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-1 LENGTH 206'
LOCATION L40+00E 4+19.5S
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335° DIP -47°
STARTED October 12, 1986 FINISHED October 13, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
206.0'	-43.3°				

HOLE NO. BL-86-1 SHEET NO. 1of 9
REMARKS
Claim 570074
LOGGED BY L.Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
0	30.0	CASING										
30.0	48.5	MAFIC FLOW - dark grey-green; fine grained, weakly foliated at 57° to core axis. Cut by numerous quartz-carbonate stringers parallel to foliation. Well carbonatized. Average Modes Amphiboles 50 - 60% Chlorite 15 - 20% Feldspar 15 - 20% Quartz 5% Carbonate 3 - 5% Pyrite 0.5 - 1% Pyrite is finely disseminated throughout section. - 40.3 - small quartz-tourmaline vein concordant with foliation; trace pyrite. - 44.0 - small brecciated zone parallel to foliation at 70° to core axis. Cut by fracture at 18° to core axis with ½" wide alteration halo.										
48.5	49.5	MAFIC TUFF - dark grey-green; fine grained, abundant quartz-carbonate stringers comprise approximately 50 - 60% of unit. Average Modes Quartz 50 - 60% Carbonate 5 - 7%										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-1 SHEET NO. 2 of 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH. (OCS)	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		Biotite 20 - 30% Chlorite 20 - 30% Pyrite trace - 49.4 - 1/8" displacement on fracture sub-parallel to core axis.									
49.5	50.4	MAFIC SILL - dark green; fine to medium grained, moderately well foliated at 65° to core axis, chill margins 1/4" to 1/8" wide, concordant with foliation. Average Modes Amphiboles 40 - 50% Quartz 10 - 20% Biotite 10 - 20% Pyrite 1 - 2% Pyrite is finely disseminated through unit.									
50.4	53.5	MAFIC TUFF - dark green-grey; fine grained, prominent banding, foliated at 70° to core axis, abundant quartz-carbonate stringers, banding fines towards bottom of unit.									
53.5	60.2	MAFIC FLOW - typical, well foliated at 67°to core axis, pyrite trace to 0.5%, disseminated; infrequent quartz-carbonate stringers parallel to foliation.									
60.2	76.1	AMPHIBOLITE - mottled dark green-grey; mottles due to 1/8" amphibole patches. Infrequent quartz-carbonate stringers. Poorly foliated at 60° to core axis. Average Modes Hornblende 50 - 60% Chlorite 20 - 30% Quartz 5 - 10% Carbonate trace Pyrite trace, disseminated									

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-1 SHEET NO. 3 o 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS				
								%	%	oz/ton	oz/ton	
76.1	77.9	CHERT - medium grey; fine grained, well carbonatized. Lenses and stringers of mafic minerals comprise 30% of section. Average Modes Chert 70% Chlorite 15 - 20% Amphiboles 10 - 15% Pyrite 0.5 - 1% Pyrite is disseminated with the mafic minerals.	6050	1%	76.1	77.9	1.8			<.001		
77.9	81.8	AMPHIBOLITE - as 60.2 to 76.1.										
81.8	82.5	QUARTZ-CARBONATE VEIN - typical, 15 - 20% tourmaline, no sulphides, well carbonatized.	6051	-	81.6	82.7	1.1			<.001		
82.5	94.5	MAFIC TUFF - dark grey-green; fine to medium grained, moderately well foliated at 60° to core axis, infrequent quartz-carbonate stringers. Average Modes Amphiboles 15 - 20% Chlorite 50 - 60% Quartz 10 - 15% Biotite 5 - 10% Pyrite trace to 0.5%, disseminated Carbonate trace										
94.5	97.9	QUARTZ-FELDSPAR PORPHYRY - medium grey; mottled by grey-white quartz and feldspar phenocrysts up to 1/8". Well foliated at 55° to core axis caused by alignment of very fine grained biotite. Infrequent fine quartz-carbonate stringers. Upper contact discordant, lower contact concordant. Phenocrysts 10 - 20% of section, phenocrysts larger in lower half of section.	6052	tr.	97.1					<.001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-1 SHEET NO. 4 of 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		Average Modes Quartz 40 - 50% Feldspar 40 - 50% Biotite 5 - 10% Pyrite trace Pyrite in small areas concentracted to 0.5 - 1%.										
97.9	99.1	MAFIC TUFF - dark green; fine grained, banding indistinct, occasional quartz-carbonate stringers. Average Modes Biotite 30 - 40% Chlorite 30 - 40% Amphiboles 10 - 20% Quartz 10 - 20%										
99.1	101.3	QUARTZ-FELDSPAR PORPHYRY - as 94.5 to 97.6. Upper and lower contacts concordant.										
101.3	106.3	MAFIC TUFF - medium to dark grey-green; foliated at 55° to core axis. Well carbonatized at top, poorly at bottom. Thin quartz-carbonate stringers. Finely disseminated pyrite. Occasional pyrite and pyrrhotite on fracture surfaces. Average Modes Biotite 30 - 40% Chlorite 30 - 40% Quartz 20 - 30% Carbonate 2 - 3% Pyrite 0.5 - 1.0% Pyrrhotite trace - 0.5% - 103.7 - 1/8" pyrite stringer.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-1 SHEET NO 5 of 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
106.3	109.8	BANDED IRON FORMATION - medium grey-black; fine to medium grained, well banded at 70° to 75° to core axis. Fine lenses of magnetite, chert and grunerite give wispy appearance. Grunerite concentrated around magnetite bands.	6054	2	106.3	108.0	1.7			< .001	
			6055	tr.	108.0	109.8	1.8			< .001	
		Average Modes Magnetite 30 - 40% Chert 40 - 50% Grunerite 10 - 15% Biotite 10 - 15% Carbonate 3 - 5% Pyrite trace Pyrrhotite trace									
		- 106.3 - 107.1 - pyrite 1 - 2%, pyrrhotite 3 - 5%.									
109.8	110.9	MAFIC SILL - dark grey-black; fine grained, poorly foliated at 55° to core axis.	6056	-	109.8	110.9	1.1			< .001	
		Average Modes Amphiboles 30 - 40% Feldspar 20 - 30% Chlorite 10 - 20% Biotite 20 - 30% Carbonate 3 - 5%									
110.9	122.5	BANDED IRON FORMATION - dark green-black; fine grained, banding at 50 to 60° to core axis. Bands from less than 1/8" to 3", commonly from less than 1/8" to 1/4". Well carbonatized. Infrequent fractures at 40° to core axis, perpendicular to foliation.	6057	0.5	110.9	112.7	1.8			< .001	
			6058	0.5	112.7	114.8	2.1			< .001	
			6059	0.5	114.8	117.0	2.2			.004	
			6060	0.5	117.0	118.9	1.9			< .001	
			6061	0.5	118.9	120.9	2.0			< .001	
			6062	0.5	120.9	122.5	1.6			.001	
		Average Modes Magnetite 30 - 40% Chert 25 - 35% Chlorite 25 - 35% Pyrrhotite trace - 0.5%, disseminated, rarely as stringers									

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-1 SHEET NO 6 of 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
		- 115.5 - fracturing of magnetite bands - 119.8 - banding distorted - 120.6 - 2 bands coarse chlorite 1/4" wide - 122.1 - 122.3 - coarse garnets in chloritic bands.										
122.5	129.3	GREYWACKE - dark green-grey; fine to medium grained, well foliated at 55° to core axis, banded, with biotite-chlorite rich bands alternating with smaller quartz-feldspar layers. Infrequent quartz-carbonate stringers. Average Modes Biotite 40 - 50% Chlorite 20 - 30% Quartz 10 - 20% Feldspar 10 - 20% Carbonate trace - 126.6 - 127.1 - Banded Iron Formation, mildly magnetic, small magnetite bands, 1 - 2% pyrite, 1 - 2% pyrrhotite as very thin stringers parallel to foliation.	6063	4	126.4	127.3	0.9			<.001		
129.3	137.2	BANDED IRON FORMATION - medium grey-green; fine to coarse grained banded magnetite, chert, chloritic and garnetiferous zone, foliated at 55° to core axis. Bands from less than 1/8" to 1", commonly less than 1/8" to 1/4". Garnetiferous bands associated with magnetite bands. Garnets poikiloblastic, anhedral, pink, 1/16" to 1/8" across, almost wholly replacing some zones. Trace pyrrhotite. Garnet rich zones at: 129.6 - 129.8 132.0 - 132.3 135.0 - 135.2 135.7 - 136.2 136.4 - 137.0	6064 6065 6066 6067 6068	tr tr tr tr tr	129.3 131.1 132.5 134.0 135.0	131.1 132.5 134.0 135.0 137.2	1.8 1.4 1.5 1.0 2.2			.002 .015 <.001 .001 <.001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-1 SHEET NO. 7 of 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS		ASSAYS	ASSAYS	
		- 129.9 - 130.1 - 10 - 15% pyrrhotite as stringers parallel to foliation - 134.5 - thin stringer of arsenopyrite parallel to foliation - 136.0 - 137.2 - fracture sub-parallel to core axis coated with pyrite.										
137.2	139.0	GRAPHITIC SEDIMENT - black-green; well foliated at 70° to core axis. Generally fine grained, except for coarse pink garnets up to 1/8" in diameter. Average Modes Biotite 40 - 50% Garnets 20 - 30% Quartz 10 - 15% Graphite 10 - 15% Pyrite trace - 0.5% Pyrite finely disseminated, as very fine stringers parallel to foliation, and as blebs on 2 fractures at 30 to 40° to core axis.	6069	0.5	137.2	139.0	1.8			< .001		
139.0	143.5	QUARTZ-FELDSPAR PORPHYRY - medium grey; mottled with 15% quartz and feldspar phenocrysts, foliation at 50° to core axis. Fine grained towards contacts. Average Modes Quartz 50 - 60% Feldspar 30 - 40% Biotite 10 - 15% Minor quartz-carbonate stringers, trace pyrite, disseminated, or as blebs on fractures.	6070 6071	tr tr	139.0 142.1	142.1 143.5	3.1 1.4			< .001 < .001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-1 SHEET NO. 8 of 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		- 139.5 - 141.0 - fracture sub-parallel to core axis pyrite coated - 142.1 - 142.4 - small graphitic sediment zone as 137.2 to 139.0 - 142.4 - 142.5 - 5 - 10% pyrrhotite in stringers.									
143.5	144.2	GREYWACKE - as 122.5 to 129.3. - 143.5 - 143.6 - mildly magnetic due to trace magnetite.	6072	-	143.5	144.2	0.7			<.001	
144.2	151.8	QUARTZ-FELDSPAR PORPHYRY - as 139.0 to 143.5	6073	-	144.2	146.2	2.0			<.001	
			6074	-	146.2	148.2	2.0			<.001	
			6075	-	148.2	150.1	1.9			<.001	
			6076	-	150.1	151.8	1.7			<.001	
151.8	152.7	SEDIMENT - dark grey with green hues; fine grained, poorly banded, foliated at 67° to core axis. Possibly a greywacke. Average Modes Biotite 30 - 40% Quartz 30 - 40% Feldspar 20 - 30% Pyrrhotite trace disseminated									
152.7	155.0	QUARTZ-FELDSPAR PORPHYRY - as 139.0 to 143.5	6077	-	152.7	155.0	2.3			<.001	
155.0	161.8	SEDIMENT - as 151.8 to 152.7 - 159.0 - quartz-tourmaline vein 1/4" wide at low angle to core axis Infrequent 1mm pink garnets.	6078	-	158.5	159.5	1.0			<.001	
161.8	168.7	MAFIC TO INTERMEDIATE TUFF - medium grey; fine to coarse grained, well banded. Bands of chlorite, chert, quartz-feldspar, garnets and pyrrhotite. Pyrrhotite 2 - 3%. - 162.2 - concordant pyrrhotite stringers	6079	3	161.8	164.1	2.3			.001	
			6080	3	164.1	166.0	1.9			.001	
			6081	3	166.0	167.2	1.2			.002	
			6082	3	167.2	168.7	1.5			<.001	

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-1 SHEET NO. 9 of 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		- 162.9 - small shear parallel to core axis										
		- 163.2 - 163.9 - concordant pyrrhotite stringers										
		- 164.1 - 165.0 - pyrite coatings on fractures in chert rich zone										
		- 166.8 - 167.2 - quartz vein, minor hematite staining in wall rock around.										
168.7	206.0	GREYWACKE - dark grey-black; well foliated at 55° to core axis. Minor banding due to fine chloritic and biotitic bands alternating with quartz-feldspar rich bands. Pyrite trace, disseminated.	6083	-	169.0	170.0	1.0			< .001		
			6084	tr	181.9	183.0	1.1			.001		
			6085	0.5	184.4	185.6	1.2			< .001		
			6086	-	203.2	2.4.2	1.0			< .001		
		- 169.2 - 169.8 - quartz vein										
		- 184.0 - 185.0 - pyrite as fine concordant stringers										
		- 185.1 - fracture sub-parallel to core axis with pyrrhotite										
		- 182.0 - 182.8 - quartz-tourmaline vein sub-parallel to core axis										
		- 187.0 - 188.0 - trace to 0.5% pyrrhotite disseminated, and as fine stringers, in medium grained zone										
		- 203.7 - quartz-tourmaline vein.										
206.0		End of Hole.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-2 LENGTH 564'
LOCATION L38E 6+63S
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335° DIP -60°
STARTED October 13, 1986 FINISHED October 15, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
200'	-55.0°				
400'	-52.0°				
564'	-50.9°				

HOLE NO. BL-86-2 SHEET NO. 1 of 4
REMARKS Summary Log

Claim 570074

LOGGED BY I. Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION SUMMARY LOG	SAMPLE NO.	SULPHIDES	FOOTAGE FROM	FOOTAGE TO	FOOTAGE TOTAL	ASSAYS %	%	oz/TON	oz/TON	
0	15.3	CASING										
15.3	30.4	MAFIC FLOW - typical.										
		- 19.0 - quartz-tourmaline vein, 2-3% pyrite.										
		- 29.0 - quartz-tourmaline vein.										
30.4	40.0	AMPHIBOLITE - typical.										
40.0	43.7	MAFIC FLOW - typical.										
43.7	88.3	AMPHIBOLITE - typical.										
88.3	93.1	MAFIC FLOW - typical.										
93.1	95.8	AMPHIBOLITE - typical.										
95.8	99.3	MAFIC TO INTERMEDIATE TUFF - typical.										
99.3	103.3	QUARTZ-FELDSPAR PORPHYRY - typical.										
103.3	117.3	MAFIC FLOW - typical.										
117.3	153.8	BANDED IRON FORMATION - medium green-grey, well banded, magnetite bands have 1-2 mm grunerite rims, 3-5% pyrrhotite, trace to 0.5% pyrite.										
153.8	157.4	MAFIC TO INTERMEDIATE TUFF - typical.										
157.4	160.6	QUARTZ-FELDSPAR PORPHYRY - typical.										
160.6	162.9	GRAPHITIC SEDIMENT - 10-15% pyrrhotite in stringers and blebs.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-2 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 OZ TON	ASSAYS OZ TON	
162.9	167.8	CHERTY SEDIMENT - medium grey, fine to medium grained.										
167.8	169.3	GRAPHITIC SEDIMENT - as 160.6 - 162.9.	6226	15	167.8	169.3	1.5			.016		
169.3	182.5	BANDED IRON FORMATION - as 117.3 - 153.8.	6227	-	169.3	174.4	5.1			.021		
			6228	-	174.4	177.6	3.2			0.003		
182.5	187.5	MAFIC TUFF - typical.										
187.5	192.5	QUARTZ-FELDSPAR PORPHYRY - typical.										
192.5	200.5	MAFIC FLOW - typical.										
200.5	204.8	MAFIC TUFF - typical.										
204.8	206.5	QUARTZ-FELDSPAR PORPHYRY - typical.										
206.5	208.4	MAFIC TUFF - typical.										
208.4	209.5	QUARTZ-FELDSPAR PORPHYRY - typical.										
209.5	212.1	MAFIC TUFF										
212.1	216.1	BANDED IRON FORMATION	6234	5	212.1	216.1	4.0			.083		
216.1	217.0	MAFIC TUFF										
217.0	217.3	QUARTZ-FELDSPAR PORPHYRY										
217.3	217.6	MAFIC TUFF										
217.6	220.9	QUARTZ-FELDSPAR PORPHYRY										
220.9	222.9	MAFIC TUFF										
222.9	236.4	QUARTZ-FELDSPAR PORPHYRY - as 187.5 - 192.4.										
236.4	253.6	MAFIC FLOW - typical.										
253.6	254.4	MAFIC TUFF - as 182.7 - 192.5.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-2 SHEET NO. 3 of 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
256.4	269.0	QUARTZ-FELDSPAR PORPHYRY - as 187.5 - 192.5.										
269.0	277.3	MAFIC FLOW - typical.										
277.3	281.4	MAFIC TUFF - as 182.7 - 192.5 - 30-40% quartz-carbonate stringers.										
281.4	342.7	MAFIC FLOW - typical.										
342.7	345.4	QUARTZ-FELDSPAR PORPHYRY - as 187.5 - 192.5.										
345.4	414.0	MAFIC FLOW - typical.										
		- 408.8 - 409.0 - quartz-carbonate-tourmaline vein with trace pyrite, pyrrhotite.										
414.0	415.0	QUARTZ-FELDSPAR PORPHYRY - typical.										
415.0	435.3	MAFIC FLOW - typical.										
		- 423.6 - small quartz-tourmaline vein.										
435.3	441.8	MAFIC FLOW										
441.8	442.7	QUARTZ-CARBONATE VEIN - typical.										
442.7	455.3	MAFIC FLOW - typical.										
455.3	475.0	AMPHIBOLITE - typical.										
475.0	480.2	MAFIC FLOW - typical.										
		- 475.2 - 476.0 - quartz-tourmaline vein.										
		- 476.4 - 476.7 - quartz-tourmaline vein.										
480.2	483.8	MAFIC TO INTERMEDIATE TUFF - typical.										
483.8	501.1	BANDED IRON FORMATION - typical.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-2 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 OZ TON	ASSAYS OZ TON
501.1	506.0	MAFIC TUFF - typical.									
506.0	517.8	BANDED IRON FORMATION - typical.									
517.8	564.0	GREYWACKE - typical.									
564.0		End of Hole.									

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-2 LENGTH 564'
LOCATION L38+00E 6+63S
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335° DIP -60°
STARTED October 13, 1986 FINISHED October 15, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
200	-55.0°				
400	-52.0°				
564	-50.9°				

HOLE NO. BL-86-2 SHEET NO 1 of 13
REMARKS
Claim 570074
LOGGED BY L. Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS .	ASSAYS .	ASSAYS oz/TON	ASSAYS oz/TON	ASSAYS
0	15.3	CASING										
15.3	30.4	MAFIC FLOW - dark green-black; fine grained, moderately well foliated at 35° to core axis.										
		Average Modes										
		Amphiboles 20 - 40%										
		Chlorite 30 - 40%										
		Quartz 10 - 15%										
		Feldspar 10 - 15%										
		Pyrite 0.5 - 1% disseminated										
		- 19.0 - quartz-tourmaline vein, concordant, with 2 - 3% pyrite	6206	3	18.5	19.5	1.0			< .001		
			6207	-	28.5	29.5	1.0			< .001		
		- 29.0 - quartz-tourmaline vein										
		- 29.6 - small, one inch wide, brecciated zone with quartz-carbonate stringers.										
30.4	40.0	AMPHIBOLITE - medium grey-green; moderately well foliated at 40° to core axis, medium grained.										
		Average Modes										
		Amphiboles 60 - 70%										
		Chlorite 20 - 30%										
		Biotite 15 - 20%										
		Pyrite trace disseminated										
		One mm amphibole phenocrysts; foliation due to biotite, which occasionally forms thin bands. Infrequent quartz-carbonate										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-2 SHEET NO 2 of 13

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
		stringers and lenses.									
		- 31.0 - 31.3 - mafic flow, typical									
		- 34.0 - 37.0 - blocky.									
40.4	43.7	MAFIC FLOW - typical									
		- 43.7 - small 1/2" wide zone with 5 - 8% pyrite, 0.5 - 1% pyrrhotite.	6208	9	43.3	44.2	0.9			<.001	
43.7	88.3	AMPHIBOLITE - medium grey-green; medium to coarse grained, moderately well foliated at 55° to core axis.									
		Average Modes									
		Amphiboles 60 - 70%									
		Chlorite 20 - 30%									
		Biotite 10 - 15%									
		Quartz 5 - 10%									
		Pyrite trace disseminated									
		One to two mm amphibole phenocrysts. Infrequent quartz-carbonate stringers. Biotite tends to form thin bands.									
		- 48.7 - 49.2 - quartz vein, minor carbonate	6209	-	48.2	49.5	1.3			<.001	
			6210	-	57.0	58.1	1.1			<.001	
		- 55.0 - 55.1 - quartz vein, minor carbonate									
		- 57.5 - 57.6 - quartz vein, minor carbonate									
		- 62.8 - trace pyrite.									
88.3	93.1	MAFIC FLOW - typical, fewer quartz-carbonate stringers.	6211	-	92.1	93.4	1.3			<.001	
		- 92.5 - 93.1 - quartz-carbonate stringers 50% of section.									

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-2 SHEET NO 3 of 13

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS	ASSAYS
93.1	95.8	AMPHIBOLITE - typical.										
95.8	99.3	MAFIC TO INTERMEDIATE TUFF - medium green-grey; fine to medium grained, foliated at 55° to core axis. Moderate number of quartz-carbonate stringers. Average Modes Chlorite 40 - 50% Amphiboles 15 - 20% Biotite 15 - 20% Quartz 10 - 15% Feldspar 10 - 15%										
99.3	103.3	QUARTZ-FELDSPAR PORPHYRY - dark grey; well foliated, phenocrysts 5% of section, minor brecciation at upper and lower contacts. Average Modes Quartz 60 - 70% Feldspar 15 - 20% Biotite 10 - 15%	6212	-	99.3	103.2	3.9			<.001		
103.3	117.3	MAFIC FLOW - typical - 114.5 - 1/2" displacement on fracture parallel to core axis - 117.3 - 3 - 5% biotite										
117.3	153.8	BANDED IRON FORMATION - medium green-grey; well banded at 45° to core axis. Magnetite bands wispy, some pyrrhotite replacement of magnetite. Chloritic bands in the upper six feet of section have subhedral to euhedral pink poikiloblastic garnets. Chert bands bluish grey. Some magnetite bands have 1 - 2 mm rims of very fine grained grunerite. Average Modes Chert 40 - 50% Magnetite 30 - 40%	6213 6214 6215 6216 6217 6218 6219 6220 6221	5 5 10 5 5 5 5 5 5	117.3 122.0 127.0 129.0 131.0 135.8 140.0 145.0 150.0	122.0 127.0 129.0 131.0 135.8 140.0 145.0 150.0 153.8	4.7 5.0 2.0 2.0 4.8 4.2 5.0 5.0 3.8			<.001 <.001 .001 .001 .008 <.001 .004 .004 .002		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-2 SHEET NO. 4 of 13

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
		Chlorite 10 - 20% Grunerite 5 - 10% Pyrrhotite 3 - 5% Pyrite trace - 0.5% Garnets less than 1% - 127.0 - 128.0 - 3 - 5% pyrite in irregular stringers - 128.0 - 129.0 - 10 - 15% pyrrhotite stringers - 128.0 - 131.0 - contorted bedding, small scale folding - 129.7 - 130.5 - foliation parallels core axis - 151.5 - 153.8 - chert, appears brecciated.										
153.8	157.4	MAFIC TO INTERMEDIATE TUFF - dark grey-black; well foliated at 50° to core axis, brecciated at lower contact, well carbonatized, abundant quartz-carbonate stringers. Average Modes Biotite 20 - 30% Chlorite 20 - 30% Quartz 20 - 30% Carbonate 5 - 10% Pyrite trace, as smears on foliation planes	6223	tr	153.8	157.4	3.6			<.001		
157.4	160.6	QUARTZ-FELDSPAR PORPHYRY - medium grey; well foliated at 37° to core axis. Foliation caused by fine chlorite bands. Fine grained at contacts. Quartz-feldspar phenocrysts one mm form 20 - 25% of rock. Average Modes Quartz 60 - 70% Feldspar 20 - 30% Chlorite 10 - 15% Pyrite trace	6222	tr	157.4	160.6	3.2			<.001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-2 SHEET NO 5 of 13

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
		Pyrite appears as smears on foliation planes and on a few fractures at 65° to core axis.										
160.6	162.9	GRAPHITIC SEDIMENT - dark grey-black; fine grained, well foliated, pyrrhotite 10 - 15%, in stringers and bands, gradational contact over six inches with next lower unit.	6224	15	160.6	162.9	2.3			<.001		
162.9	167.8	CHERTY SEDIMENT - medium grey; fine to medium grained, generally poorly foliated at 55° to core axis.	6225	-	162.9	167.8	5.1			.001		
		Average Modes Quartz 30 - 40% Chlorite 10 - 20% Biotite 10 - 15% Muscovite 10 - 15% Muscovite coarse grained, in irregular stringers in quartz-rich areas. Lower section resembles quartz-feldspar porphyry. - 163.7 - 163.9 - quartz vein - 164.1 - 164.6 - small, irregular quartz veins comprise 50% of section - 166.5 - 166.7 - quartz vein 0.5 - 1% pyrite.										
167.8	169.3	GRAPHITIC SEDIMENT - as 160.6 - 162.9 - 169.3 - chalcopyrite and pyrrhotite stringer.	6226	15	167.8	169.3	1.5			.016		
169.3	182.5	BANDED IRON FORMATION - as 117.3 - 153.8 Banding 50° to core axis, fewer garnets, no deformation.	6227 6228 6229	- - -	169.3 174.4 177.6	174.4 177.6 182.5	5.1 3.2 4.9			0.021 0.003 <.001		
182.5	187.5	MAFIC TUFF - dark green-grey; fine to medium grained, foliated at 50° to core axis, biotite, chlorite and quartz-carbonate stringers.										

ANGROGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-2 SHEET NO 6 of 13

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		Average Modes Chlorite 50 - 60% Biotite 30 - 40% Quartz 10 - 15% Carbonate 1 - 2% Pyrite trace disseminated										
187.5	192.4	QUARTZ-FELDSPAR PORPHYRY - medium grey; medium grained, foliated at 50° to core axis, well carbonatized, upper and lower contacts concordant. Average Modes Quartz 50 - 60% Feldspar 40 - 50% Biotite 5 - 10% One to two mm phenocrysts 5 - 10% of unit. - 191.1 - 191.2 - chlorite-biotite rich band with 1 - 2% pyrrhotite, trace to 0.5% pyrite.	6230	-	187.5	192.4	4.9			<.001		
192.4	200.5	MAFIC FLOW - medium to dark green; poorly foliated at 60° to core axis. Abundant quartz-carbonate stringers. Brecciated by quartz-carbonate stringers at 194.5 to 195.0 and 199.0 to 199.6. - 197.8 - quartz-carbonate stringer with 1 - 2% pyrrhotite.	6231	tr	197.0	198.2	1.2			<.001		
200.5	204.8	MAFIC TUFF - as 182.5 - 187.5										
204.8	206.5	QUARTZ-FELDSPAR PORPHYRY - as 187.5 - 192.4	6232	-	204.8	206.5	1.7			<.001		
206.5	208.4	MAFIC TUFF - as 182.5 - 187.5 1 - 2% pyrrhotite, disseminated and as fine stringers.										
208.4	209.5	QUARTZ-FELDSPAR PORPHYRY - as 187.5 - 192.4	6233	-	208.4	209.5	1.1			<.001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-2 SHEET NO 7 of 13

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
209.5	212.1	MAFIC TUFF - as 182.5 - 187.5 Fewer quartz-carbonate stringers, trace disseminated pyrrhotite.										
212.1	216.1	BANDED IRON FORMATION - medium to dark grey; well banded, banding and foliation at 50° to core axis. Alternating chert and magnetite bands. Banding regular at top of unit, irregular at bottom. Extensive pyrrhotite replacement of magnetite 212.1 - 214.0. Trace chalcopyrite at 212.8. Average Modes Chert 50 - 60% Magnetite 35 - 40% Pyrrhotite 3 - 5% Chlorite 3 - 5%	6234	5	212.1	216.1	4.0			.083		
216.1	217.0	MAFIC TUFF - as 182.5 - 187.5	6235	-	216.1	217.3	1.2			.001		
217.0	217.3	QUARTZ-FELDSPAR PORPHYRY - as 187.5 - 192.4										
217.3	217.6	MAFIC TUFF - as 182.5 - 187.5										
217.6	220.9	QUARTZ-FELDSPAR PORPHYRY - as 187.5 - 192.4	6236	-	217.6	220.9	3.3			<.001		
220.9	222.9	MAFIC TUFF - as 182.5 - 187.5. 0.5 - 1% pyrrhotite. - 221.9 - 222.0 - quartz-feldspar porphyry	6237	1	220.9	222.9	2.0			<.001		
222.9	236.4	QUARTZ-FELDSPAR PORPHYRY - as 187.5 - 192.4 - 224.5 - 225.0 - 70 - 80% biotite	6238 6239 6240	- - -	222.9 227.0 232.0	227.0 232.0 236.4	4.1 5.0 4.4			<.001 <.001 <.001		
236.4	253.6	MAFIC FLOW - typical - 237.7 - 237.8 - quartz-carbonate vein, 2 - 3% pyrrhotite - 244.4 - 244.8 - brecciated, angular fragments in quartz-carbonate matrix	6241	tr	244.0	247.0	3.0			<.001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-2 SHEET NO. 8 of 13

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS		ASSAYS	ASSAYS
		- 245.1 - 246.9 - brecciated, angular fragments in quartz-carbonate matrix, occasional patches of disseminated pyrrhotite.									
253.6	256.4	MAFIC TUFF - as 182.5 - 187.5									
256.4	269.0	QUARTZ-FELDSPAR PORPHYRY - as 187.5 - 192.4	6242	-	256.4	260.0	3.6			<.001	
			6243	-	260.0	264.5	4.5			<.001	
		- 263.0 - 269.0 - blocky, fractured, infrequent pyrite coated fractures	6244	-	264.5	269.0	4.5			<.001	
269.0	277.3	MAFIC FLOW - typical									
		- 274.6 - 275.0 - brecciated.									
277.3	281.4	MAFIC TUFF - as 182.5 - 187.5. 30 - 40% quartz-carbonate stringers.									
		- 280.0 - 281.4 - small displacement on fractures at 50° to core axis perpendicular to foliation. Trace to 0.5% pyrite on fractures.									
281.4	342.7	MAFIC FLOW - typical, foliated at 50° to core axis, variable number of quartz-carbonate stringers.									
		- 282.2 - 282.7 - brecciated									
		- 292.9 - 293.6 - brecciated	6245	-	291.5	293.6	1.1			<.001	
			6246	2	293.6	294.8	1.2			<.001	
		- 292.9 - 293.0 - quartz-carbonate vein, 1 - 2% pyrrhotite	6247	-	294.8	295.7	0.9			<.001	
			6248	-	311.5	312.6	1.1			<.001	
		- 295.1 - 295.5 - quartz-feldspar porphyry									
		- 297.7 - 298.3 - brecciated									
		- 307.0 - 307.8 - blocky									
		- 312.6 - 312.9 - quartz-carbonate vein with 1 - 2% pyrite, fracture perpendicular to core axis pyrite									

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-2 SHEET NO. 9 of 13

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		- 313.0 - 313.3 - quartz-carbonate vein										
		- 321.7 - 322.5 - brecciated										
		- 322.8 - 324.0 - brecciated										
		- 329.8 - 330.0 - quartz vein										
		- 330.9 - 331.7 - brecciated										
342.7	345.4	QUARTZ-FELDSPAR PORPHYRY - as 187.5 - 192.4	6249	tr	342.6	343.8	1.2			<.001		
			6250	-	343.8	345.4	1.6			<.001		
		- 343.0 - 343.8 - quartz vein, trace pyrite										
345.4	414.0	MAFIC FLOW - typical, large number of quartz-carbonate stringers, large amount of brecciation, notably 347.9 to 350.4 and 352.4 to 356.0.										
		- 355.0 - 356.0 - two .15' quartz veins	6251	-	354.8	356.3	1.5			<.001		
			6252	tr	399.5	400.5	1.0			<.001		
		- 396.4 - 396.5 - quartz-carbonate vein	6253	tr	408.5	409.4	0.9			<.001		
		- 399.8 - 400.0 - quartz-carbonate vein with trace pyrrhotite										
		- 408.8 - 409.0 - quartz-carbonate-tourmaline vein, trace pyrite, trace pyrrhotite										
		- 409.0 - 412.8 - coarse grained, large number of quartz-carbonate stringers.										
414.0	415.0	QUARTZ-FELDSPAR PORPHYRY - as 187.5 - 192.4	6254	-	414.0	415.0	1.0			<.001		
415.0	435.3	MAFIC FLOW - dark green-grey; fine to medium grained, poorly foliated at top of section, foliated 45° to core axis.										
		- 417.1 - 417.2 - quartz-carbonate vein										
		- 419.2 - 419.3 - quartz-carbonate vein	6255	-	418.7	419.7	1.0			<.001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-2 SHEET NO. 10 of 13

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ. TON	ASSAYS OZ TON
		- 423.6 - small quartz-tourmaline vein - 424.9 - 425.3 - 5 - 10% biotite - 425.9 - 435.3 - 5 - 10% biotite - 433.5 - 433.8 - quartz-carbonate vein, 0.5 - 1% pyrrhotite. - 433.8 - 434.5 - 0.5 - 1% pyrrhotite.	6256	1	433.2	434.4	1.2			.001	
435.3	441.8	MAFIC FLOW - medium green grey; medium grained, foliated at 55° to core axis, somewhat mottled appearance due to clumps of anhedral amphiboles, infrequent quartz-carbonate stringers. Average Modes Chlorite 50 - 60% Amphiboles 20 - 30% Biotite 10 - 15% Quartz 10 - 15%									
441.8	442.7	QUARTZ-CARBONATE VEIN - 70 - 80% quartz-carbonate, 20 - 30% lenses and stringers of mafic minerals, trace disseminated pyrrhotite.	6257	tr	441.8	442.7	0.9			.006	
442.7	455.3	MAFIC FLOW - as 192.4 - 200.5									
455.3	475.0	AMPHIBOLE - as 43.7 - 88.3 Few quartz-carbonate stringers, poorly foliated 55° to core axis.									
475.0	480.2	MAFIC FLOW - as 192.4 - 200.5 - 475.2 - 476.0 - quartz-tourmaline vein with trace pyrite - 476.4 - 476.7 - quartz-tourmaline vein with 0.5 - 1% pyrrhotite in blebs with tourmaline.	6258	tr	474.9	477.0	2.1			.001	
480.2	483.8	MAFIC TO INTERMEDIATE TUFF - light to dark grey; fine to medium grained, well foliated at 40° to core axis, alternating bands of	6259	3	480.2	483.8	3.6			.001	

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-2 SHEET NO 11 of 13

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		light and dark grey prominent, pyrrhotite as infrequent stringers and blebs, also disseminated. Average Modes Quartz 30 - 40% Feldspar 20 - 30% Biotite 15 - 25% Chlorite 15 - 25% Pyrrhotite 2 - 3%									
483.8	501.1	BANDED IRON FORMATION - medium to dark grey; fine to medium grained, banding generally prominent at 55° to core axis, in some areas obscured or destroyed by garnet growth. Garnets are 3 - 5 mm, pink, poikiloblastic, generally in bands 3 - 5 inches wide. Pyrrhotite as fine stringers and blebs, in some places replaces magnetite. Average Modes Chert 30 - 40% Magnetite 20 - 30% Grunerite 5 - 10% Chlorite 5 - 10% Pyrrhotite 3 - 5% Garnets 3 - 5% - 486.3 - 486.8 - garnetiferous band with pyrrhotite; well developed tremolite-actinolite.	6260 6261 6262 6263	5 5 5 5	483.8 487.0 492.0 497.0	487.0 492.0 497.0 501.1	3.2 5.0 5.0 4.1			<.001 <.001 <.001 <.001	
501.1	506.0	MAFIC TUFF - medium to dark green-grey; fine to medium grained, well foliated at 50° to core axis, banding less distinct at top of unit, infrequent quartz-carbonate stringers. Average Modes Chlorite 40 - 50% Biotite 20 - 30% Feldspar 20 - 30%									

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-2 SHEET NO 12 of 13

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		- 503.0 - 505.3 - several fractures sub-parallel to parallel to core axis, 1/4" displacement.										
506.0	517.8	BANDED IRON FORMATION - as 483.8 - 501.1	6264	5	506.0	511.0	5.0			<.001		
			6265	5	511.0	514.0	3.0			.005		
		- 507.8 - pyrrhotite filled fracture parallel to core axis, displacement 1/4"	6266	5	514.0	517.8	3.8			.005		
		- 509.5 - minor folding										
		- 512.5 - 514.5 - folding and distortion of bands										
		- 517.5 - 517.8 - pyrite stringers and blebs.										
517.8	564.0	GREYWACKE - dark grey; fine to medium grained, moderately well foliated at 45° to core axis.										
		Average Modes										
		Chlorite 20 - 30%										
		Quartz 20 - 30%										
		Feldspar 20 - 30%										
		Biotite 15 - 20%										
		Amphiboles 10 - 15%										
		Pyrite trace disseminated										
		Pyrrhotite trace disseminated										
		- 527.4 - 527.6 - quartz-carbonate vein	6267	tr	527.0	528.1	1.1			<.001		
		- 529.3 - fracture at 40° to core axis sub-parallel to foliation, trace pyrite	6268	tr	530.6	532.2	1.6			<.001		
		- 531.0 - 532.0 - fracture sub-parallel to core axis 5 - 10% pyrite blebs on surface										
		- 536.0 - trace pyrrhotite associated with small quartz-carbonate stringers	6269	tr	547.6	549.5	1.9			<.001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-2 SHEET NO. 13 of 13

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz ton	ASSAYS oz ton	
		- 548.3 - 548.7 - trace pyrrhotite disseminated										
		- 550.1 - 550.2 - quartz-carbonate vein	6270	tr	549.5	550.5	1.0			<.001		
564.0		End of Hole.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-3 LENGTH 207'
LOCATION L32E 1446N
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335° DIP -45°
STARTED October 15, 1986 FINISHED October 16, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
207'	-38.1°				

HOLE NO. BL-86-3 SHEET NO. 1 of 2
REMARKS Summary Log

Claim 57004

LOGGED BY L. Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION SUMMARY LOG	SAMPLE NO.	SULPHIDES	FOOTAGE FROM	FOOTAGE TO	FOOTAGE TOTAL	ASSAYS .	ASSAYS %	ASSAYS oz/TON	ASSAYS oz/TON	
0	4.0	CASING										
4.0	6.5	MAFIC FLOW - typical.										
6.5	8.3	MAFIC TUFF - dark grey, fine to medium grained.										
8.3	22.5	MAFIC FLOW - typical.										
22.5	24.1	INTERMEDIATE TO FELSIC TUFF - fine grained, medium grey.										
24.1	26.5	MAFIC TO INTERMEDIATE TUFF - fine to medium grained, medium green-grey.										
26.5	50.4	MAFIC FLOW - typical.										
50.4	53.1	INTERMEDIATE TO FELSIC TUFF - typical.	6005	tr	51.1	52.1	1.0			.024		
53.1	56.5	MAFIC TO INTERMEDIATE TUFF - typical.										
		- 55.5 - 56.5 - quartz-tourmaline vein.										
56.5	80.9	MAFIC FLOW - typical.										
80.9	87.6	SILICIFIED MAFIC FLOW - light to medium grey-green.										
87.6	88.4	INTERMEDIATE TO FELSIC TUFF - typical.										
88.4	91.1	MAFIC FLOW - typical.										
91.1	91.6	QUARTZ-FELDSPAR PORPHYRY - typical.										
91.6	94.0	MAFIC FLOW - typical.										
94.0	108.4	INTERMEDIATE TO FELSIC TUFF - typical.										

DIAMOND DRILL RECORD

NAME OF PROPERTY: BEN LAKE

HOLE NO. BL-86-3 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 oz Ton	ASSAYS oz Ton	
108.4	112.0	FELSIC TUFF - brecciated in places.										
112.0	120.0	INTERMEDIATE TO FELSIC TUFF - typical.										
120.0	121.7	MAFIC TO INTERMEDIATE TUFF										
121.7	133.0	GREYWACKE - typical.										
133.0	135.4	MAFIC FLOW - typical.										
135.4	137.2	MAFIC TO INTERMEDIATE SILL - medium grey, medium grained.										
137.2	142.7	MAFIC FLOW - typical.										
142.7	147.4	GREYWACKE - typical.										
147.4	151.1	MAFIC INTRUSIVE.										
151.1	158.8	MAFIC TUFF - typical.										
158.8	200.5	MAFIC FLOW - typical.										
		- 188.7 - 188.9 - quartz-tourmaline vein.										
200.5	203.1	INTERMEDIATE TO FELSIC TUFF - typical.										
203.1	206.4	MAFIC FLOW - typical.										
206.4	206.7	INTERMEDIATE TO FELSIC TUFF - typical.										
206.7	207.0	MAFIC FLOW - typical.										
207.0		End of Hole.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-3 LENGTH 207'
LOCATION L32E 1+46N
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335° DIP -45°
STARTED October 15, 1986 FINISHED October 16, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
207'	-38.1°				

HOLE NO. BL-86-3 SHEET NO. 1 of 7
REMARKS
Claim 57004
LOGGED BY L.Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SULPHIDES	FOOTAGE FROM	FOOTAGE TO	FOOTAGE TOTAL	ASSAYS %	%	oz/TON	oz/TON
0	4.0	CASING									
4.0	6.5	MAFIC FLOW - typical									
6.5	8.3	MAFIC TUFF - dark grey; fine to medium grained, well foliated at 57° to core axis, blocky, fractured 15° to core axis. Average Modes Chlorite 30 - 40% Amphiboles 20 - 30% Feldspar 20 - 30% Quartz 10 - 20%									
8.3	22.5	MAFIC FLOW - typical, foliated 70° to core axis.									
		- 20.6 - 20.9 - quartz-carbonate vein	6001	-	20.3	21.3	1.0			<.001	
22.5	24.1	INTERMEDIATE TO FELSIC TUFF - medium grey; fine grained, moderately well developed banding at 65° to core axis. Pyrite disseminated on foliation planes and as smears on fracture 50° to core axis at 24.0. Infrequent quartz-carbonate stringers. Average Modes Quartz 30 - 40% Chlorite 30 - 40% Biotite 20 - 30% Feldspar 10 - 20% Pyrite 0.5 - 1%	6002	1	23.0	24.1	1.1			.002	

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-3 SHEET NO 2 of 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
24.1	26.5	MAFIC TO INTERMEDIATE TUFF - medium green-grey; fine to medium grained, foliated at 55° to core axis. Average Modes Chlorite 60 - 70% Amphiboles 20 - 30% Quartz 5 - 10% - 25.9 - 26.5 - two 1" quartz-carbonate veins with 0.5 - 1% pyrite associated.	6003	1	25.5	26.5	1.0			<.001	
26.5	50.4	MAFIC FLOW - typical - 36.2 - 36.4 - quartz-carbonate vein 0.5 - 1% 1mm cubic pyrite on fracture 50° to core axis	6004	1	35.8	36.8	1.0			<.001	
50.4	53.1	INTERMEDIATE TO FELSIC TUFF - light to medium grey; fine to medium grained, foliated at 70° to core axis, moderately well banded. Average Modes Feldspar 30 - 40% Biotite 30 - 40% Quartz 10 - 20% Pyrite trace disseminated - 51.1 - 51.6 - fracture sub-parallel to core axis with pyrite smears - 51.8 - 51.9 - quartz-carbonate vein.	6005	tr	51.1	52.1	1.0			.024	
53.1	56.5	MAFIC TO INTERMEDIATE TUFF - medium green-grey; fine grained, moderately well banded, foliated at 70° to core axis.	6006	1	53.1	55.2	2.1			<.001	

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-3 SHEET NO 3 of 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		Average Modes Chlorite 50 - 60% Biotite 20 - 30% Feldspar 10 - 20% Pyrite 0.5 - 1% disseminated									
		- 55.2 - 55.7 - fracture at 20° to core axis, trace to 0.5% pyrite disseminated and as smears	6007	tr	55.2	56.5	1.3			<.001	
		- 55.5 - 56.5 - quartz-tourmaline vein at low angle to core axis. Trace pyrite associated with tourmaline.									
56.5	80.9	MAFIC FLOW - typical									
80.9	87.6	SILICIFIED MAFIC FLOW - light to medium grey-green; fine grained, foliated at 55° to core axis. Irregular patches and wisps of greyish, silicified areas interspersed with greyish, more chloritic areas.									
		- 80.9 - 84.5 - most intense silicification, brecciated frequently, 0.5 - 1% pyrite as fine stringers and disseminated.	6008	1	80.9	82.3	1.4			<.001	
87.6	88.4	INTERMEDIATE TO FELSIC TUFF - medium grey; fine grained, poorly banded, foliated at 65° to core axis. Fracture at 40° to core axis across banding with trace pyrite as smear. Pyrite trace to 0.5% disseminated and as fine stringers.	6009	0.5	87.6	88.4	0.8			<.001	
		Average Modes Quartz 50 - 60% Biotite 10 - 20% Feldspar 10 - 20%									
88.4	91.1	MAFIC FLOW - typical, foliated 70° to core axis.									
		- 88.4 - 89.3 - fracture parallel to core axis									

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-3 SHEET NO. 4 of 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
		- 89.5 - 90.0 - fractures at 20° to core axis - 90.8 - epidote in pillow selvage (?)										
91.1	91.6	QUARTZ-FELDSPAR PORPHYRY - medium grey; fine-medium grained, foliated 70° to core axis. 5 - 10% 1 mm phenocrysts. Average Modes Quartz 50 - 60% Feldspar 30 - 40% Biotite 10 - 15% Pyrite 0.5 - 1% disseminated and as blebs	6010	1	90.8	91.8	1.0			< .001		
91.6	94.0	MAFIC FLOW - typical										
94.0	108.4	INTERMEDIATE TO FELSIC TUFF - medium grey; fine grained, poorly developed banding. Banding and foliation 65° to core axis. Average Modes Quartz 50 - 60% Feldspar 20 - 30% Biotite 10 - 20% Chlorite 10 - 20% Pyrite 0.5 - 1% Pyrite disseminated, and as stringers, irregularly distributed.	6011 6012 6013 6014 6015 6016	1 2 1 2 0.5 0.5	94.0 95.7 98.0 98.9 102.1 105.6	95.7 98.0 98.9 102.1 105.6 108.4	1.7 2.3 0.9 3.2 3.5 2.8			< .001 < .001 < .001 < .001 < .001 < .001		
108.4	112.0	FELSIC TUFF - medium grey with frequent bands of orange-red staining; veinlets of quartz-carbonate-epidote, brecciated in places, notably 108.4 to 108.6. The brecciation post-dates the orange-red staining - possibly hematite stains. Trace pyrite as blebs and fine stringers. - 110.0 - fracture at 30° to core axis, minor pyrite smears	6017	tr	109.5	110.5	1.0			< .001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-3 SHEET NO 5 of 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz Ton	ASSAYS oz Ton	
112.0	120.0	INTERMEDIATE TO FELSIC TUFF - medium grey; fine to medium grained, moderately well developed banding at 65° to core axis, pyrite trace.										
		Average Modes										
		Quartz 60 - 70%										
		Biotite 20 - 30%										
		Feldspar 20 - 30%										
		- 114.5 - 116.0 - frequent pyrite coated fractures	6018	tr	114.5	116.0	1.5			<.001		
			6019	tr	117.0	118.8	1.8			<.001		
		- 117.0 - 118.8 - frequent pyrite coated fractures	6020	tr	118.8	120.0	1.2			<.001		
120.0	121.7	MAFIC TO INTERMEDIATE TUFF - medium grey-green; fine grained, foliation 65° to core axis, stringers of pale orange-red hematite staining.										
121.7	133.0	GREYWACKE - medium grey-green; fine to medium grained, occasional quartz-carbonate stringers, foliated 60° to core axis										
		Average Modes										
		Chlorite 40 - 50%										
		Amphiboles 30 - 40%										
		Quartz 10 - 20%										
		Feldspar 5 - 10%										
133.0	135.4	MAFIC FLOW - typical										
		- 133.0 - 133.5 - trace to 0.5% disseminated pyrrhotite on fracture at 40° to core axis, perpendicular to foliation.	6021	0.5	133.0	134.0	1.0			.001		
135.4	137.2	MAFIC TO INTERMEDIATE SILL - medium grey; medium grained, concordant contacts, no apparent foliation.										
		Average Modes										
		Amphiboles 30 - 40%										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-3 SHEET NO. 6 of 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		Chlorite 20 - 30% Quartz 20 - 30% Biotite 10 - 20% Feldspar 5 - 10% Some tremolite-actinolite present, as well as other amphiboles.										
137.2	142.7	MAFIC FLOW - typical										
142.7	147.4	GREYWACKE - as 121.7 - 133.0										
147.4	151.1	MAFIC INTRUSIVE - medium to dark grey; fine to medium grained, moderately well foliated at 70° to core axis. Average Modes Amphiboles 40 - 50% Chlorite 20 - 30% Biotite 10 - 20% Quartz 5 - 10% Feldspar 5 - 10% - 147.4 - 148.4 - trace to 0.5% pyrrhotite	6022	0.5	147.4	148.4	1.0			.001		
151.1	158.8	MAFIC TUFF - medium to dark green; fine grained, moderately well developed banding. Banding and foliation 60° to core axis. Quartz-carbonate stringers common. Average Modes Chlorite 40 - 50% Biotite 20 - 30% Feldspar 10 - 20% Quartz 5 - 10% - 158.0 - 158.6 - two 0.2' quartz-feldspar porphyry intrusives.	6023	-	157.8	158.8	1.0			< .001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-3 SHEET NO. 7 of 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
158.8	200.5	MAFIC FLOW - typical, foliated 60° to core axis										
		- 163.5 - fracture across foliation with pyrite blebs	6024	tr	162.8	163.8	1.0			<.001		
		- 185.5 - fracture with pyrite	6025	tr	185.4	186.7	1.3			.001		
		- 186.6 - fracture with pyrite	6026	tr	188.3	189.3	1.0			<.001		
		- 188.7 - 188.9 - quartz-tourmaline vein with trace to 0.5% pyrrhotite	6027	tr	195.5	196.5	1.0			<.001		
		- 196.0 - fracture with pyrite blebs	6028	tr	199.5	200.5	1.0			<.001		
		- 199.9 - 200.1 - quartz-feldspar porphyry stringer										
200.5	203.1	INTERMEDIATE TO FELSIC TUFF - as 112.0 - 120.0										
203.1	206.4	MAFIC FLOW - typical										
		- 206.0 - fracture at low angle to core axis with disseminated pyrite.	6029	tr	205.5	206.4	0.9			<.001		
206.4	206.7	INTERMEDIATE TO FELSIC TUFF - as 112.0 - 120.0										
206.7	207.0	MAFIC FLOW - typical										
207.0		End of Hole.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-4 LENGTH 300'
LOCATION L42E 19+50N
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335° DIP -46°
STARTED October 16, 1986 FINISHED October 18, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
300'	-39.1°				

HOLE NO. BL-86-4 SHEET NO. 1 of 1
REMARKS Summary Log

Claim 719629

LOGGED BY L. Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION SUMMARY LOG	SAMPLE NO.	SULPHIDES %	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0	130.0	CASING									
130.0	133.5	GREYWACKE - dark grey, medium grained, typical.									
133.5	136.5	SHEAR ZONE - broken, friable, clay-like consistency, well carbonatized.									
136.5	239.8	GREYWACKE - typical.									
239.8	251.0	GREYWACKE - fine grained, medium grey-brown.									
251.0	259.8	GREYWACKE - typical.									
259.8	261.5	MAFIC TUFF - typical.									
261.5	269.9	GREYWACKE - typical.									
269.9	300.0	INTERMEDIATE TO FELSIC TUFF - typical.									
300.0		End of Hole.									

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-4 LENGTH 300'

LOCATION L42E 19+50N

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH 335° DIP -46°

STARTED October 16, 1986 FINISHED October 18, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
300'	-39.1°				

HOLE NO. BL-86-4 SHEET NO. 1 of 3

REMARKS

Claim 719629

LOGGED BY L.Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
0	130.0	CASING										
130.0	133.5	GREYWACKE - dark grey; medium grained, moderately well foliated at 75° to core axis. Foliation shown by alignment of 1 - 2 mm acicular amphiboles.	6103	tr	130.0	133.5	3.5			< .001		
		Average Modes Quartz 50 - 60% Feldspar 20 - 30% Biotite 10 - 15% Amphiboles 10 - 15% Pyrite trace disseminated										
133.5	136.5	SHEAR ZONE - broken up, approximately 1.5 feet missing, most of section is brittle, clay-like, very friable, well carbonatized. One fragment contains quartz-epidote-chlorite.	6104	-	133.5	136.5	3.0			< .001		
136.5	239.8	GREYWACKE - as 130.0 - 133.5. Infrequent hematite staining.										
		- 136.5 - 136.8 - quartz vein, minor hematite stains	6030	-	136.5	137.5	1.0			< .001		
			6105	-	137.5	140.0	2.5			< .001		
		- 146.8 - 147.2 - very blocky										
		- 147.6 - 148.1 - very blocky										
		- 155.5 - fracture at low angle to core axis, no sulphides										
		- 162.0 - fracture at low angle to core axis, no sulphides										
		- 162.7 - 1/4" wide schistose zone, very friable, possible shear, 80° to core axis										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-4 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	ASSAYS OZ/TON	
		- 190.3 - 191.4 - extensive hematite staining around small quartz-filled fractures										
		- 193.7 - 194.0 - quartz vein with hematite stains	6031	-	193.3	194.3	1.0			< .001		
		- 200.7 - 200.9 - quartz vein with hematite stains										
		- 213.5 - 214.5 - very blocky										
		- 223.5 - 224.0 - very blocky										
		- 224.5 - 225.0 - very blocky										
		- 227.0 - foliation at 75° to core axis										
		- 229.0 - fracture at 80° to core axis										
		- 235.0 - 239.8 - coarse amphiboles.										
239.8	251.0	GREYWACKE - medium grey-brown; fine grained, occasional lens of coarser grained material, usually carbonatized. Mineralogy as 130.0 - 133.5.										
		- 251.0 - fracture at 10° to core axis, quartz-carbonate filled.										
251.0	259.8	GREYWACKE - medium grained, as 239.8 - 251.0 except coarse grained lenses predominate over fine grained lenses.										
259.8	261.5	MAFIC TUFF - dark green; medium grained, well banded, foliated at 80° to core axis.										
		Average Modes										
		Chlorite 40 - 50%										
		Tremolite-actinolite 40 - 50%										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-4 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	ASSAYS oz Ton	
		Quartz 5 - 10% Feldspar 5 - 10%										
261.5	269.9	GREYWACKE - fine grained, as 239.8 - 251.0 - 267.5 - 268.0 - blocky										
269.9	300.0	INTERMEDIATE TO FELSIC TUFF - medium to dark grey with blue tinge; fine to medium grained, generally fine grained, poorly developed banding at 75° to core axis, infrequent hematite staining on quartz-carbonate stringers Average Modes Amphiboles 30 - 40% Quartz 30 - 40% Biotite 20 - 30% Feldspar 5 - 10% - 277.5 - 278.5 - white quartz vein - 290.3 - 291.7 - shear zone, friable, clay-like, strongly carbonatized.	6033 6034	- -	277.2 290.3	278.7 291.7	1.5 1.4			<.001 <.001		
300.0		End of Hole.										

LANGPRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-5 LENGTH 263'
LOCATION 144E 27+50N
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335° DIP -46°
STARTED October 18, 1986 FINISHED October 19, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
263'	-42.0°				

HOLE NO. BL-86-5 SHEET NO. 1 of 1
REMARKS Summary Log

Claim 719629

LOGGED BY L. Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION SUMMARY LOG	SAMPLE NO.	SAMPLE % UP HOLE	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0	25.7	CASING									
25.7	32.0	MAFIC TO INTERMEDIATE TUFF - medium to dark grey, fine grained.									
32.0	40.6	GREYWACKE - medium to dark grey, fine grained.									
40.6	45.1	GREYWACKE - dark green-brown, fine to medium grained.									
45.1	47.4	INTERMEDIATE SILL - medium grey-brown, medium grained.									
47.4	52.9	GREYWACKE - as 32.0 - 40.6.									
52.9	61.3	MAFIC TO INTERMEDIATE TUFF - medium green-brown, fine grained.									
61.3	76.1	INTERMEDIATE TO FELSIC TUFF - light to medium grey-green, fine to medium grained.									
76.1	220.0	GREYWACKE - medium grey-green, typical.									
220.0	223.0	MAFIC TUFF - typical.									
223.0	263.0	GREYWACKE - typical.									
263.0		End of Hole.									

D. J. Adams

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-5 LENGTH 263'
LOCATION L44E 27+50N
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335° DIP -46°
STARTED October 18, 1986 FINISHED October 19, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
263'	-42°				

HOLE NO. BL-86-5 SHEET NO. 1 of 5
REMARKS _____

Claim 719629

LOGGED BY L.Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
0	25.7	CASING										
25.7	32.0	MAFIC TO INTERMEDIATE TUFF - medium to dark grey; generally fine grained, occasionally medium grained, moderately well developed banding at 55° to core axis, moderately well carbonatized.	6035	2	25.7	28.9	3.2			<.001		
			6036	2	28.9	32.0	3.1			<.001		
		Average Modes Biotite 20 - 30% Quartz 20 - 30% Chlorite 10 - 20% Feldspar 10 - 20% Pyrite 1 - 2%										
		Pyrite finely disseminated and as stringers.										
32.0	40.6	GREYWACKE - medium to dark grey; fine grained, moderately well foliated at 70° to core axis.										
		Average Modes Chlorite 30 - 40% Biotite 20 - 30% Quartz 15 - 20% Feldspar 10 - 15% Pyrite 0.5 - 1%										
		Pyrite disseminated and as fine stringers.										
		- 34.5 - 35.0 - fractures across foliation at 55° to core axis, with 5 - 10% pyrite on faces	6037	tr	34.3	35.3	1.0			<.001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-5 SHEET NO. 2 of 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		- 38.4 - fracture across foliation at 35° to core axis, 3 - 5% pyrite on face	6038	tr	38.1	39.1	1.0			.001		
40.6	45.1	GREYWACKE - dark green-brown; fine to medium grained, moderately well developed banding at 70° to core axis, occasional lens of quartz-rich material.	6039	1	43.5	44.5	1.0			<.001		
		Average Modes Biotite 30 - 40% Amphiboles 20 - 30% Quartz 15 - 20% Chlorite 10 - 20% Feldspar 5 - 10% Pyrite 0.5 - 1% as fine stringers										
45.1	47.4	INTERMEDIATE SILL - medium grey-brown; medium grained, poorly foliated.	6040	1	45.1	47.4	2.3			<.001		
		Average Modes Quartz 20 - 30% Biotite 20 - 30% Amphiboles 15 - 25% Chlorite 10 - 20% Feldspar 10 - 15% Pyrite 0.5 - 1%										
		Pyrite as blebs and irregular stringers.										
47.4	52.9	GREYWACKE - medium grey; fine grained, foliated 75° to core axis.										
		Average Modes Biotite 40 - 50% Quartz 15 - 20% Amphiboles 10 - 20% Chlorite 10 - 20% Feldspar 5 - 10% Pyrite trace										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-5 SHEET NO. 3 of 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		Pyrite disseminated, occasionally in stringers.										
52.9	61.3	MAFIC TO INTERMEDIATE TUFF - medium green-brown; fine grained, poorly developed banding, foliated 70° to core axis, upper and lower contacts gradational, lenses and pods of quartz in the more mafic groundmass.										
		Average Mo. es Chlorite 30 - 40% Biotite 20 - 30% Quartz 15 - 20% Feldspar 5 - 10% Pyrite trace										
		Pyrite disseminated, occasionally as stringers.										
61.3	76.1	INTERMEDIATE TO FELSIC TUFF - light to medium grey-green; fine to medium grained, generally grey, some sections have green hues, foliated 60° to core axis.										
		- 72.4 - 72.8 - 5 - 10% pyrite as coarse stringers	6041	10	72.4	73.5	1.1			<.001		
		- 73.3 - 73.5 - 2 - 3% pyrite, disseminated, and as stringers										
		- 74.4 - 74.6 - shear zone, very friable										
		- 74.8 - 76.1 - extensive hematite staining as halos around fractures.										
76.1	220.0	GREYWACKE - medium grey-green, foliation 70° to core axis, mineralogy typical.										
		- 82.7 - 82.8 - quartz-carbonate stringer										
		- 88.1 - 88.4 - hematite stained quartz-carbonate stringer										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-5 SHEET NO 4 of 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
		- 91.3 - 91.6 - pyrite and pyrrhotite 1 - 2% stringers	6042	2	91.3	92.3	1.0			<.001		
		- 92.0 - possible shear, somewhat friable										
		- 99.2 - 99.5 - possible shear, very friable, well carbonatized	6043	-	98.9	99.9	1.0			<.001		
		- 155.4 - 156.4 - quartz vein, trace pyrite in wallrock	6044	tr	155.1	156.8	1.7			<.001		
		- 175.2 - 175.3 - hematite stained quartz vein	6045	-	174.8	175.8	1.0			<.001		
		- 181.1, 186.1 and 189.8 - 1/2" wide quartz veins	6046	-	202.7	203.8	1.1			.002		
		- 203.3 - 1/2" wide epidote stringer										
		- 211.3 - 212.4 - fracture at 10° to core axis, some hematite staining, minor displacement										
220.0	223.0	MAFIC TUFF - medium brown; very fine grained, occasional quartz-carbonate stringers.	6047	tr	222.0	223.0	1.0			<.001		
		Average Modes Biotite 30 - 40% Chlorite 20 - 30% Quartz 10 - 20% Feldspar 5 - 10%										
		- 222.5 - small shear, very friable, trace disseminated pyrite in wallrock.										
223.0	263.0	GREYWACKE - typical										
		- 248.4 - 248.5 - quartz vein with trace pyrite in wallrock as blebs	6048	tr	248.2	249.6	1.4			<.001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-5 SHEET NO 5 of 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		- 249.2 - 249.4 - quartz vein										
		- 256.1 - 256.9 - hematite staining around fractures. Blocky.										
263.0		End of Hole.										

LANGRIDGES – TORONTO – 366-1166

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-6 LENGTH 288'
LOCATION L48E 16+80N
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335° DIP -45°
STARTED October 19, 1986 FINISHED October 20, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
288'	-40.0°				

HOLE NO. BL-86-6 SHEET NO. 1 of 2
REMARKS Summary Log

Claim 719630

LOGGED BY L.Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION SUMMARY LOG	SAMPLE NO.	SAMPLE MINERALIZATION	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
0	70.7	CASING										
70.7	77.5	GREYWACKE - typical.										
77.5	77.9	QUARTZ-FELDSPAR PORPHYRY - typical.										
77.9	79.6	GREYWACKE - typical.										
79.6	81.2	QUARTZ-FELDSPAR PORPHYRY - typical.										
81.2	101.6	GREYWACKE - typical.										
101.6	103.4	QUARTZ-FELDSPAR PORPHYRY - typical.										
103.4	106.6	GREYWACKE - typical.										
106.6	107.3	QUARTZ-FELDSPAR PORPHYRY - typical.										
107.3	113.0	MAFIC TUFF - typical.										
113.0	115.7	MAFIC SILL - medium grained, medium grey.										
115.7	117.7	MAFIC TUFF - typical.										
117.7	120.1	MAFIC SILL - as 113.0 - 115.7.										
120.1	121.1	QUARTZ-FELDSPAR PORPHYRY - typical.										
121.1	122.3	MAFIC TUFF - typical.										
122.3	125.3	QUARTZ-FELDSPAR PORPHYRY - typical.										
125.3	128.7	MAFIC TUFF - typical.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-6 SHEET NO. 2 of 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH 10ES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
128.7	129.2	QUARTZ-FELDSPAR PORPHYRY - typical.										
129.2	130.0	MAFIC TUFF - typical.										
130.0	138.2	MAFIC SILL - typical.										
138.2	143.4	MAFIC TUFF - typical.										
143.4	145.9	QUARTZ-FELDSPAR PORPHYRY - typical.										
145.9	148.2	MAFIC TUFF - typical.										
148.2	150.2	MAFIC SILL - typical.										
150.2	151.4	MAFIC TUFF - typical.										
151.4	153.0	MAFIC SILL										
153.0	157.6	MAFIC TUFF - typical.										
157.6	158.2	QUARTZ-FELDSPAR PORPHYRY - typical.										
158.2	159.3	MAFIC TUFF - typical.										
159.3	161.2	QUARTZ-FELDSPAR PORPHYRY - typical.										
161.2	226.9	MAFIC TUFF - typical.										
226.9	229.9	GREYWACKE - typical.										
229.9	246.0	MAFIC TUFF - typical.										
246.0	248.6	MAFIC SILL - typical.										
248.6	288.0	MAFIC TUFF - typical.										
288.0		End of Hole.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-6 LENGTH 288'
LOCATION L48E 16+80N
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335° DIP -45°
STARTED October 19, 1986 FINISHED October 20, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
288'	-40.0°				

HOLE NO. BL-86-6 SHEET NO. 1 of 5
REMARKS _____

Claim 719630

LOGGED BY L. Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE LITHOLOGY	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
0	70.7	CASING										
70.7	77.5	GREYWACKE - medium grey-green; fine grained, poorly developed banding, foliated 70° to core axis. Average Modes Biotite 40 - 50% Chlorite 10 - 20% Quartz 10 - 20% Feldspar 10 - 15% Amphiboles 5 - 10% - 77.0 - 77.5 - fractured										
77.5	77.9	QUARTZ-FELDSPAR PORPHYRY - medium grey; fine to medium grained, 1 - 2 mm phenocrysts 15 - 20% of unit, minor hematite staining. Average Modes Quartz 70 - 80% Feldspar 20 - 30% Biotite 5 - 10%	6087	-	77.3	78.3	1.0			<.001		
77.9	79.6	GREYWACKE - as 70.7 - 77.5										
79.6	81.2	QUARTZ-FELDSPAR PORPHYRY - as 77.5 - 77.9. 20 - 25% phenocrysts.	6088	-	79.6	81.2	1.6			<.001		
81.2	101.6	GREYWACKE - typical - 101.2 - 101.6 - fractured, hematite stained.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-6 SHEET NO. 2 of 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS				
								%	%	oz Ton	oz Ton	
101.6	103.4	QUARTZ-FELDSPAR PORPHYRY - as 77.5 - 77.9 - 103.0 - fractured at 10° to core axis.	6089	-	101.6	103.4	1.8			<.001		
103.4	106.6	GREYWACKE - typical										
106.6	107.3	QUARTZ-FELDSPAR PORPHYRY - as 77.5 - 77.9	6090	-	106.4	107.4	1.0			<.001		
107.3	113.0	MAFIC TUFF - medium grey-brown; fine grained, poorly banded, foliated 75° to core axis, minor quartz-carbonate stringers. Average Modes Biotite 40 - 50% Chlorite 20 - 30% Quartz 15 - 20% Feldspar 5 - 10%										
113.0	115.7	MAFIC SILL - medium grey; medium grained, foliated at 60° to core axis, moderate carbonatization. Average Modes Feldspar 30 - 40% Biotite 20 - 30% Chlorite 20 - 30% Quartz 10 - 15%										
115.7	117.7	MAFIC TUFF - as 107.3 - 113.0										
117.7	120.1	MAFIC SILL - as 113.0 - 115.7										
120.1	121.1	QUARTZ-FELDSPAR PORPHYRY - as 77.5 - 77.9, trace pyrite.	6091	tr	120.1	121.1	1.0			<.001		
121.1	122.3	MAFIC TUFF - as 107.3 - 113.0										
122.3	125.3	QUARTZ-FELDSPAR PORPHYRY - as 77.5 - 77.9, foliated 70° to core axis	6092 6093	- -	122.3 123.7	123.7 125.3	1.4 1.6			<.001 <.001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-6 SHEET NO. 3 of 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
125.3	128.7	MAFIC TUFF - as 107.3 - 113.0										
128.7	129.2	QUARTZ-FELDSPAR PORPHYRY - as 77.5 - 77.9	6094	-	128.5	129.5	1.0			<.001		
129.2	130.0	MAFIC TUFF - as 107.3 - 113.0										
130.0	138.2	MAFIC SILL - as 113.0 - 115.7										
		- 134.5 - 134.9 - mafic tuff										
		- 135.8 - 136.2 - mafic tuff										
		- 136.2 - 138.2 - minor hematite staining										
138.2	143.4	MAFIC TUFF - as 107.3 - 113.0										
143.4	145.9	QUARTZ-FELDSPAR PORPHYRY - as 77.5 - 77.9	6095	-	143.4	145.9	1.5			<.001		
		- 145.0 - fracture at low angle to core axis with 1 cm alteration halo										
145.9	148.2	MAFIC TUFF - as 107.3 - 113.0										
		- 147.1 - 147.4 - quartz-feldspar porphyry	6096	-	147.0	147.7	0.7			<.001		
148.2	150.2	MAFIC SILL - as 113.0 - 115.7										
150.2	151.4	MAFIC TUFF - as 107.3 - 113.0										
151.4	153.0	MAFIC SILL - as 113.0 - 115.7										
153.0	157.6	MAFIC TUFF - as 107.3 - 113.0, foliation and banding 75° to core axis										
157.6	158.2	QUARTZ-FELDSPAR PORPHYRY - as 77.5 - 77.9, trace pyrite	6097	tr	157.4	158.4	1.0			<.001		
158.2	159.3	MAFIC TUFF - as 107.3 - 113.0										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO BL-86-6 SHEET NO 4 of 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS				
								%	%	oz Ton	oz Ton	
159.3	161.9	QUARTZ-FELDSPAR PORPHYRY - as 77.5 - 77.9, minor hematite staining	6098	-	159.3	161.9	2.6			<.001		
161.9	226.9	MAFIC TUFF - as 107.3 - 113.0										
		- 173.0 - fracture at 10° to core axis										
		- 186.5 - 187.4 - fracture at low angle to core axis, some silicification and chloritization, trace pyrite	6099	tr	186.5	187.4	0.9			<.001		
		- 207.2 - 207.9 - fracture parallel to core axis silicification and chloritization halo	6100	-	207.0	208.0	1.0			<.001		
		- 226.8 - 226.9 - quartz vein										
226.9	229.9	GREYWACKE - medium grey; fine grained, poorly foliated, foliation 65° to core axis, upper and lower contacts each have a 1" quartz vein at contact.	6101	tr	226.7	230.2	3.5			.001		
		Average Modes										
		Quartz 30 - 40%										
		Feldspar 20 - 30%										
		Biotite 20 - 30%										
		Chlorite 10 - 20%										
		Pyrite trace disseminated										
229.9	246.0	MAFIC TUFF - as 107.3 - 113.0, foliation 65° to core axis.										
246.0	248.6	MAFIC SILL - medium grey; medium grained, minor carbonatization.										
		Average Modes										
		Quartz 30 - 40%										
		Biotite 20 - 30%										
		Chlorite 15 - 25%										
		Feldspar 10 - 15%										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-6 SHEET NO. 5 of 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
248.6	288.0	MAFIC TUFF - medium grey-green with brown tinges; fine to medium grained, moderately well banded, foliation and banding 78° to core axis.	6102	-	275.5	276.5	1.0			<.001		
		- 275.9 - 276.1 - quartz vein at 35° to core axis										
288.0		End of Hole.										

LAMBRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-7 LENGTH 286'
LOCATION 1.52E 54+50S
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335° DIP -44°
STARTED October 21, 1986 FINISHED October 22, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
286'	-36.8°				

HOLE NO. BL-86-7 SHEET NO. 1 of 1
REMARKS Summary Log

Claim 629229

LOGGED BY L.Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION SUMMARY LOG	SAMPLE NO.	SAMPLE SULPHIDES %	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
0	35.5	CASING										
35.5	44.5	GREYWACKE - typical.										
44.5	85.0	MAFIC TUFF - typical.										
85.0	142.3	GREYWACKE - typical.										
142.3	162.7	GARNETIFEROUS SEDIMENT - dark grey, fine grained, 10-20% garnets.										
162.7	227.5	GREYWACKE - typical										
227.5	252.4	AMPHIBOLITE - typical.										
252.4	256.3	MAFIC FLOW - typical.										
256.3	258.3	AMPHIBOLITE - typical.										
258.3	260.0	MAFIC TUFF - typical.										
260.0	274.0	GREYWACKE - typical.										
274.0	286.0	MAFIC TUFF										
286.0		End of Hole.										

J. R. Adams

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-7 LENGTH 286'

LOCATION 152E 54+50S

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH 335° DIP 44°

STARTED October 21, 1986 FINISHED October 22, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
286'	-36.8°				

HOLE NO. BL-86-7 SHEET NO. 1 of 4

REMARKS

Claim 629229

LOGGED BY L. Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0	35.5	CASING									
35.5	44.5	GREYWACKE - medium grey; fine to medium grained, moderately well banded, shistose, somewhat mottled due to chlorite patches, foliated 40° to core axis.	6106	0.5	35.5	39.1	2.6			<.001	
			6107	0.5	39.1	40.2	1.1			<.001	
			6108	0.5	40.2	44.5	4.3			<.001	
		Average Modes Muscovite 30 - 40% Quartz 20 - 30% Chlorite 10 - 20% Biotite 10 - 20% Pyrite trace - 0.5% as very fine stringers Pyrrhotite trace disseminated as blebs									
		- 39.2 - 40.0 - several small quartz stringers with trace disseminated pyrite.									
44.5	85.0	MAFIC TUFF - dark grey-green; commonly fine grained, infrequent coarse grained bands, well banded, banding and foliation at 38° to core axis. 30 - 40% fine biotite in a very fine grained quartz-feldspar matrix. Pyrite trace to 0.5% as fine stringers and blebs on foliation planes. Trace disseminated pyrrhotite.	6109	0.5	51.3	55.0	3.7			<.001	
			6110	0.5	55.0	59.0	4.0			<.001	
			6111	0.5	59.0	64.7	5.7			<.001	
			6112	0.5	73.2	75.0	2.8			<.001	
			6113	0.5	75.0	79.0	4.0			<.001	
			6114	0.5	79.0	81.8	2.8			<.001	
			6115	0.5	81.8	85.0	4.2			<.001	
		- 44.5 - 44.7 - 10% pink anhedral poikiloblastic garnets									
		- 53.0 - fracture at low angle to core axis pyrite coated									
		- 63.5 - fracture at low angle to core axis pyrite coated									

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-7 SHEET NO. 2 of 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS				
		- 73.7 - 74.5 - quartz vein with trace pyrite blebs.										
85.0	142.3	GREYWACKE - medium grey; moderately well banded, gradational contact at 85.0 with mafic tuff, foliated 40° to core axis, very fine grained, medium grained light grey bands alternate with dark grey bands. Light grey bands mottled with 1 mm biotite.	6116	0.5	85.0	89.8	4.8			<.001		
		- 117.0 - 132.2 - 0.5 - 1% pyrite as smears on foliation planes and fractures, infrequent 1 mm pink garnets	6117	1.0	117.0	122.0	5.0			<.001		
			6118	1.0	122.0	127.0	5.0			<.001		
			6119	1.0	127.0	132.2	5.2			<.001		
		- 132.2 - 142.3 - 5 - 10% patches of chloritic material 1 cm across. Pyrite 0.5 - 1% on fractures and foliation planes	6120	1.0	132.2	137.0	4.8			<.001		
			6121	1.0	137.0	142.3	5.2			<.001		
		- 141.8 - fracture at low angle to core axis pyrite coated.										
142.3	162.7	GARNETIFEROUS SEDIMENT - dark grey; fine grained, schistose mottled with 10 - 20% pink garnets, foliated 43° to core axis, trace to 0.5% pyrite, finely disseminated, also on foliation planes and fractures. Unit too fine grained to identify mineralogy, except for 10 - 20% pink, subhedral to anhedral poikiloblastic garnets.	6122	0.5	142.3	145.0	2.7			<.001		
			6123	0.5	145.0	148.4	3.4			<.001		
			6124	2.0	148.4	150.0	1.6			<.001		
			6125	0.5	150.0	152.1	2.1			<.001		
			6126	0.5	159.5	162.7	3.2			<.001		
		- 149.0 - 150.1 - 1 - 2% pyrite as stringers, 0.5 - 1% pyrrhotite as stringers										
		- 150.0 - 3" wide altered zone with bleached appearance.										
162.7	227.5	GREYWACKE - as 35.5 - 44.5, pyrite, pyrrhotite trace.										
		- 182.5 - 182.8 - more chloritic, with trace disseminated pyrrhotite	6127	tr	182.5	183.5	1.0			<.001		
			6128	1	183.5	186.0	2.5			<.001		
		- 182.8 - 183.0 - quartz vein										
		- 185.0 - 185.8 - foliation deformed, 0.5 - 1% pyrite in stringers and blebs										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-7 SHEET NO. 3 of 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		- 192.0 - 193.0 - pyrite on fractures at 55° to core axis, also on fractures sub-parallel to core axis	6129	tr	192.0	193.7	1.7			<.001		
		- 194.5 - 195.0 - trace to 0.5% pyrrhotite as stringers and blebs	6130	tr	193.7	195.0	1.3			<.001		
		- 196.5 - 197.5 - trace to 0.5% pyrite on fractures and on foliation planes	6131	0.5	195.0	198.0	3.0			<.001		
		- 211.3 - 211.7 - chert horizon	6132	-	210.5	212.7	2.2			<.001		
		- 212.2 - 212.4 - chert horizon	6133	-	217.6	219.7	2.1			<.001		
		- 218.0 - 219.2 - quartz stringers generally parallel to foliation, one sub-parallel to core axis	6134	tr	219.7	222.7	3.0			<.001		
		- 220.7 - 221.9 - pyrite coats on fractures.										
227.5	252.4	AMPHIBOLITE - medium green-grey; medium to coarse grained, foliated at 45° to core axis, moderately well banded, a few areas of trace disseminated pyrrhotite, trace pyrite.	6135	tr	229.5	231.5	2.0			<.001		
			6136	tr	235.2	236.7	1.5			<.001		
		Average Modes	6137	tr	243.3	247.0	3.7			<.001		
		Amphiboles 60 - 70%	6138	tr	247.7	249.7	2.0			<.001		
		Quartz 10 - 20%										
		Feldspar 5 - 10%	6139	tr	249.7	252.4	2.7			<.001		
		- 235.8 - 236.0 - quartz vein										
		- 236.1 - trace pyrite on fracture at 70° to core axis.										
252.4	256.3	MAFIC FLOW - typical, trace pyrrhotite as stringers, trace pyrite as smears on fractures.	6140	tr	252.4	256.3	3.9			<.001		
256.3	258.3	AMPHIBOLITE - as 227.5 - 252.4, 2 - 3% disseminated carbonate, trace finely disseminated pyrite.	6141	tr	256.3	258.3	2.0			<.001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-7 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 OZ/TON	ASSAYS OZ/TON
258.3	260.0	MAFIC TUFF - medium to dark grey; moderately well banded, chloritic bands alternate with quartz rich bands. Average Modes Chlorite 20 - 30% Quartz 15 - 20% Amphiboles 10 - 20% Biotite 5 - 10% Feldspar 5 - 10% Amphiboles dominantly fine grained tremolite-actinolite.									
260.0	274.0	GREYWACKE - medium to dark grey; fine grained, foliated 50° to core axis. Average Modes Amphiboles 30 - 40% Quartz 20 - 30% Biotite 10 - 20% Feldspar 10 - 15% Pyrrhotite trace disseminated - 261.8 - 263.0 - blocky, broken, fractured with minor pyrite.	6142 6143	tr tr	261.0 267.5	263.7 269.4	2.7 1.7			<.001 <.001	
274.0	286.0	MAFIC TUFF - dark green-grey; poorly banded 50° to core axis, fracture set 55° to core axis, perpendicular to foliation, also at 35° across foliation. Fractures infrequently have pyrite smears. Average Modes Biotite 30 - 40% Chlorite 20 - 30% Amphiboles 10 - 20% Quartz 10 - 15% Feldspar 5 - 10%									
286.0		End of Hole.									

LAMOPROCESS – TORONTO – 366-1166

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-8 LENGTH 321'
LOCATION L50E 44+25S
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335° DIP 45°
STARTED October 22, 1986 FINISHED October 23, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
321'	-37.9°				

HOLE NO. BL-86-8 SHEET NO. 1 of 3
REMARKS Summary Log

Claim 629229

LOGGED BY L.Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION SUMMARY LOG	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/TON	ASSAYS oz/TON	
0	7.0	CASING										
7.0	49.4	GREYWACKE - typical.										
49.4	56.5	BANDED IRON FORMATION - medium grey-green with brown and pink hues, 2-3% pyrrhotite, 1-2% pyrite.										
		- 50.0 - 50.2 - 60-70% pyrite, 30-40% pyrrhotite.										
		- 50.9 - 51.0 - 50% pyrite, 50% pyrrhotite										
		- 55.9 - 56.0 - 40-50% pyrrhotite, 20-30% pyrite.										
56.5	69.5	GREYWACKE - typical.										
69.5	78.1	GARNETIFEROUS SEDIMENT - medium to dark grey-green, 5-10% garnets, 2-3% pyrite.										
78.1	81.6	BANDED IRON FORMATION - medium grey-green, poorly banded.										
		- 79.8 - 80.9 - 70-80% pyrrhotite, 20-30% pyrite.										
81.6	91.1	MAFIC TO INTERMEDIATE TUFF - medium to dark grey, 2-3% pyrite.										
91.1	95.4	MAFIC TUFF - typical.										
95.4	102.5	INTERMEDIATE TUFF - typical.										
102.5	104.7	MAFIC FLOW - typical.										
104.7	105.9	INTERMEDIATE TUFF - typical.										
105.9	112.0	MAFIC FLOW - typical.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-6 SHEET NO 2 of 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
112.0	125.5	INTERMEDIATE TUFF - typical.									
125.5	129.9	INTERMEDIATE LAPILLI TUFF - medium grey with green tinge.									
129.9	134.0	MAFIC FLOW - typical.									
134.0	136.0	MAFIC TO INTERMEDIATE TUFF - typical.									
136.0	166.9	MAFIC FLOW - typical.									
166.9	180.2	MAFIC TO INTERMEDIATE LAPILLI TUFF - medium grey-green.									
180.2	183.4	MAFIC FLOW - typical.									
183.4	192.5	MAFIC TO INTERMEDIATE LAPILLI TUFF - as 166.9 - 180.2.									
192.5	198.0	GREYWACKE - typical.									
198.0	200.1	MAFIC TO INTERMEDIATE LAPILLI TUFF - as 166.9 - 180.2.									
200.1	208.9	MAFIC FLOW - typical.									
208.9	239.8	MAFIC TO INTERMEDIATE LAPILLI TUFF - as 166.9 - 180.2.									
239.8	241.8	MAFIC TUFF - typical.									
241.8	244.8	QUARTZ DIORITE - light grey, fine to medium grained.									
244.8	261.2	MAFIC TUFF - typical.									
261.2	270.7	QUARTZ-FELDSPAR PORPHYRY - typical.									
270.7	277.2	MAFIC FLOW - typical.									
277.2	281.8	INTERMEDIATE TUFF - typical.									
281.8	291.5	MAFIC FLOW - typical.									

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-8 SHEET NO. 3 of 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
291.5	294.8	INTERMEDIATE TUFF - typical.										
294.8	321.0	MAFIC FLOW - typical.										
		- 294.8 - quartz-tourmaline vein.										
321.0		End of Hole.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-8 LENGTH 321'
LOCATION L50E 44+25S
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335°. DIP 45°
STARTED October 22, 1986 FINISHED October 23, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
321'	-37.9°				

HOLE NO. BL-86-8 SHEET NO. 1 of 9
REMARKS
Claim 629229
LOGGED BY L.Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SULPHIDES %	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	%	oz/TON	oz/TON	
0	7.0	CASING										
7.0	49.4	GREYWACKE - medium to dark grey; fine to medium grained, foliated at 40° to core axis. Upper section tends to be biotite rich, lower section muscovite rich.	6145	0.5	12.2	15.7	3.5			< .001		
			6146	0.5	47.0	49.4	2.4			< .001		
		Average Modes Quartz 40 - 50% Muscovite 20 - 30% Feldspar 10 - 20% Biotite 10 - 20% Pyrite trace - 0.5% finely disseminated										
		- 7.0 - 27.0 - blocky, fractured.										
49.4	56.5	BANDED IRON FORMATION - medium grey-green with brown and pink hues; sulphide facies (?), moderately well banded, foliated 50° to core axis.										
		Average Modes Quartz 20 - 30% Chlorite 10 - 20% Biotite 10 - 20% Garnets 5 - 10% Pyrrhotite 2 - 3% Pyrite 1 - 2%										
		Pyrite and pyrrhotite disseminated and as massive stringers. Garnets 1 mm to 1 cm, pink, subhedral to anhedral, poikiloblastic, disseminated throughout section.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-8 SHEET NO. 2 of 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		- 50.0 - 50.2 - pyrite 60 - 70%, pyrrhotite 30 - 40%	6147	50	49.4	51.4	2.0			<.001		
		- 50.9 - 51.0 - pyrite 50%, pyrrhotite 50%	6148	5	51.4	53.7	2.3			<.001		
		- 52.5 - 53.5 - garnets 20 - 30%	6149	5	53.7	54.5	0.8			<.001		
		- 53.8 - 54.2 - quartz vein, pyrrhotite 1 - 2% as stringers and blebs, pyrite 0.5 - 1% as blebs	6150	30	54.5	56.5	2.0			<.001		
		- 55.9 - 56.0 - pyrrhotite 40 - 50%, pyrite 20 - 30%										
56.5	69.5	GREYWACKE - as 7.0 - 49.4 essentially, foliated at 48° to core axis	6152	-	56.5	58.2	1.7			<.001		
		- 61.8 - 62.0 - quartz vein, 0.5 - 1% pyrite on fractures and as blebs	6153	1	61.4	62.5	1.1			<.001		
		- 63.5 - 66.0 - pyrite 0.5 - 1% as stringers	6154	tr	62.5	64.0	1.5			<.001		
		- 64.4 - 64.6 - quartz vein, trace pyrite	6155	tr	64.0	65.2	1.2			<.001		
		- 66.8 - 67.1 - quartz vein, trace pyrite.	6156	tr	65.2	67.3	2.1			<.001		
69.5	78.1	GARNETIFEROUS SEDIMENT - medium to dark grey-green; poorly banded, schistose, foliated at 50° to core axis. Pyrite and pyrrhotite disseminated throughout.	6157	3	69.5	74.0	4.5			<.001		
			6158	3	74.0	78.1	4.1			<.001		
		Average Modes Biotite 30 - 40% Quartz 20 - 30% Chlorite 20 - 30% Garnets 5 - 10% Pyrite 2 - 3% Pyrrhotite trace - 0.5%										
		Garnets 2 - 3 mm, pink, anhedral, poikiloblastic.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-8 SHEET NO. 3 o. 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton
78.1	81.6	BANDED IRON FORMATION - medium grey-green; sulphide facies (?), poorly banded, foliated 45° to core axis.									
		- 78.1 - 79.8	6159	3	78.1	79.8	1.7			<.001	
		Average Modes Quartz 50 - 60% Biotite 20 - 30% Chlorite 10 - 20% Pyrite 2 - 3% Pyrrhotite trace - 0.5% Pyrite and pyrrhotite disseminated, and as fine to coarse stringers.									
		- 79.8 - 80.9 - pyrrhotite 70 - 80%, pyrite 20 - 30%	6160	100	79.8	80.8	1.0			.002	
		- 80.9 - 81.6 - as 78.1 - 79.8.	6161	3	80.8	81.6	0.8			<.001	
81.6	91.1	MAFIC TO INTERMEDIATE TUFF - medium to dark grey; moderately well banded, foliated at 50° to core axis.	6162	3	81.6	86.0	4.4			<.001	
			6163	3	86.0	91.1	5.1			<.001	
		Average Modes Quartz 20 - 30% Biotite 20 - 30% Feldspar 10 - 20% Chlorite 10 - 20% Pyrite 2 - 3% disseminated throughout Pyrrhotite trace - 0.5% disseminated									
		- 90.0 - 91.1 - 70 - 80% chert.									
91.1	95.4	MAFIC TUFF - medium green, fine grained, poorly banded, foliated 40° to core axis.	6164	2	91.1	95.4	4.3			<.001	

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. B1-R6-R SHEET NO 4 of 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
		Average Modes Chlorite 50 - 60% Biotite 10 - 20% Amphiboles 10 - 20% Quartz 5 - 10% Feldspar 5 - 10% Pyrite 1 - 2% Pyrrhotite trace disseminated Pyrite as blebs and stringers associated with quartz stringers, also disseminated.									
95.4	102.5	INTERMEDIATE TUFF - light grey; fine to medium grained, poorly banded, foliated 65° to core axis. Infrequent fractures perpendicular to foliation at 35° to core axis, with pyrite smears. Average Modes Quartz 30 - 40% Biotite 20 - 30% Amphiboles 10 - 20% Chlorite 10 - 20% Feldspar 10 - 20%	6165	tr	97.0	100.6	3.6			<.001	
102.5	104.7	MAFIC FLOW - typical, foliated 70° to core axis.									
104.7	105.9	INTERMEDIATE TUFF - as 95.4 - 102.5									
105.9	112.0	MAFIC FLOW - typical - 108.4 - quartz-carbonate stringer with trace to 0.5% pyrite - 111.6 - fracture parallel to core axis pyrite coated.	6166 6167	tr tr	107.4 111.0	109.0 112.0	1.6 1.0			<.001 <.001	
112.0	125.5	INTERMEDIATE TUFF - as 95.4 - 102.5, foliated 60° to core axis. - 112.2 - fracture at 30° to core axis pyrite coated.	6168	tr	112.0	113.0	1.0			<.001	

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-8 SHEET NO 5 of 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
125.5	129.9	INTERMEDIATE LAPILLI TUFF - medium grey with green tinge; fine to medium grained, foliated 50° to core axis. Grey quartz clasts 2 - 8 mm surrounded by fine grained material; either chlorite or amphiboles. Carbonatized in infrequent patches. Average Modes Quartz 40 - 50% Chlorite 20 - 40% Amphiboles 0 - 20% Pyrite trace disseminated - 127.5 - fracture at 75° to core axis, pyrite coated.	6169	tr	127.0	128.1	1.1			<.001	
129.9	134.0	MAFIC FLOW - typical - 135.5 - small quartz stringer with 0.5 - 1% disseminated pyrite.	6170	tr	133.0	134.0	1.0			<.001	
134.0	136.0	MAFIC TO INTERMEDIATE TUFF - medium grey-green; fine to medium grained, foliated at 50° to core axis, mottled appearance, some quartz-carbonate stringers. Average Modes Amphiboles 30 - 40% Chlorite 20 - 30% Quartz 20 - 30% Feldspar 10 - 20%	6171	-	134.0	136.0	2.0			<.001	
136.0	166.9	MAFIC FLOW - typical - 136.3 - pyrite associated with quartz-carbonate stringer	6172	tr	136.0	137.0	1.0			<.001	
		- 140.0 - fractures at 35° to core axis, pyrite coated	6173	tr	139.6	140.6	1.0			<.001	
		- 141.2 - 144.0 - 1" quartz vein at very low angle to core axis, trace pyrite	6174	tr	140.6	144.3	3.7			<.001	

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-8 SHEET NO. 6 of 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz ton	ASSAYS oz ton	
		- 147.4 - 147.7 - 0.3' alteration halo around 1/4" wide quartz vein with trace to 0.5% pyrrhotite, finely disseminated pyrrhotite in alteration halo	6175	tr	147.0	148.0	1.0			<.001		
		- 149.4 - pyrrhotite blebs in quartz stringer	6176	tr	149.2	150.5	1.3			<.001		
		- 150.3 - pyrite on foliation plane at 45° to core axis										
		- 152.5 - pyrrhotite in stringers, fractures	6177	tr	152.0	153.1	1.1			<.001		
		- 155.0 - 155.9 - pyrite, pyrrhotite on fractures, with quartz stringers and disseminated; zone marks transition from relatively coarse to relatively fine grained flows	6178	tr	154.5	156.1	1.6			<.001		
		- 161.0 - 161.8 - pyrite coated fractures at 35° to core axis	6179	tr	160.5	162.2	1.7			<.001		
		- 164.5 - 165.0; 165.6 - 166.0 - pyrite, pyrrhotite disseminated within quartz stringers or as stringers.	6180	tr	164.2	166.9	2.7			<.001		
166.9	180.2	MAFIC TO INTERMEDIATE LAPILLI TUFF - medium grey-green; possibly a conglomerate, coarse grained, clasts range from 1 mm to over 2 cm. Clasts are 50 - 60% fine grained, light green mafics, some stretching apparent. In general, clast size decreases down hole.										
		- 170.5 - 2 x 5 cm clast, 60 - 70% pyrrhotite, trace disseminated pyrrhotite in surrounding rock	6181	tr	169.9	171.1	1.2			<.001		
		- 174.0 - 175.0 - fracture at low angle to core axis										
		- 177.2 - 178.2 - fracture at low angle to core axis.										
180.2	183.4	MAFIC FLOW - typical, trace to 0.5% disseminated pyrrhotite.	6182	tr	180.2	183.4	3.2			<.001		
183.4	192.5	MAFIC TO INTERMEDIATE LAPILLI TUFF - as 166.9 - 180.2										
		- 187.5 - 1.5 x 2 cm clast, 20% pyrrhotite	6183	tr	187.0	189.0	2.0			<.001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-8 SHEET NO 7 of 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS				
		- 188.4 - 189.4 - clasts infrequent, less than 1 cm.										
		- 190.1 - 191.0; 191.5 - 192.5 - fractures 15° to 50° to core axis, pyrite coated.	6184	tr	189.0	192.5	3.5			<.001		
192.5	198.0	GREYWACKE - medium grey-green; medium grained, poorly foliated 55° to core axis.										
		- 192.8 - 193.0 - quartz vein with trace to 0.5% pyrite blebs	6185	tr	192.5	194.3	1.8			<.001		
		- 193.7 - pyrite coated fracture at 60° to core axis										
		- 195.5 - fracture, pyrite coated										
		- 197.5 - pyrite coating on irregular fracture.	6186	tr	196.5	198.0	1.5			<.001		
198.0	200.1	MAFIC TO INTERMEDIATE LAPILLI TUFF - as 166.9 - 180.2										
200.1	208.9	MAFIC FLOW - typical	6187	-	200.1	201.8	1.7			<.001		
			6188	-	207.5	208.9	1.4			<.001		
208.9	239.8	MAFIC TO INTERMEDIATE LAPILLI TUFF - as 166.9 - 180.2	6189	0.5	221.0	230.5	9.5			<.001		
		- 215.1; 234.2 - pyrrhotite clasts	6190	0.5	233.3	235.8	2.5			<.001		
		- 221.5 - 230.0 - trace to 0.5% pyrrhotite and pyrite associated with quartz stringers.										
239.8	241.7	MAFIC TUFF - as 91.1 - 95.4, banding and foliation 45° to core axis.										
241.7	244.8	QUARTZ DIORITE - light grey; fine to medium grained, dominantly felsic minerals, with small clumps of mafic minerals.										
		Average Modes										
		Feldspar 40 - 50%										
		Quartz 20 - 30%										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-8 SHEET NO. 8 of 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		Chlorite 10 - 20% Biotite 5 - 10% Amphiboles 5 - 10%									
244.8	261.2	MAFIC TUFF - as 91.1 - 95.4, pyrrhotite 0.5 - 1%, pyrite trace to 0.5%. Sulphides occasionally disseminated, more often as stringers. Pyrite also on fractures and foliation planes.	6191	1	244.8	246.5	1.7			<.001	
			6192	1	246.5	248.9	2.4			<.001	
			6193	1	248.9	250.1	1.2			<.001	
			6194	1	250.1	252.1	2.0			<.001	
			6195	1	252.1	255.6	3.5			<.001	
			6196	1	255.6	258.4	2.8			<.001	
			6197	1	258.4	261.2	2.8			<.001	
261.2	270.7	QUARTZ- : PORPHYRY - medium grey; medium grained, poorly foliated, grained at upper and lower contacts.	6198	tr	261.2	265.8	4.6			<.001	
			6199	tr	265.8	270.7	4.9			<.001	
		Average Modes Quartz 30 - 40% Feldspar 30 - 40% (phenocrysts 10 - 20%) Biotite 10 - 20% Amphiboles 5 - 10% Pyrite trace									
		Pyrite finely disseminated and as coatings on fractures.									
270.7	277.2	MAFIC FLOW - typical									
		- 273.7 - 274.1 - 20 - 30% biotite, possibly a mafic tuff									
		- 274.1 - 277.2 - pyrite disseminated, as fine, irregular stringers	6200	tr	274.1	277.2	3.1			<.001	
		- 275.4 - 276.2 - blocky, pyrite on fractures.									
277.2	281.8	INTERMEDIATE TUFF - medium grey; fine grained, foliated 55° to core axis. Pyrite 0.5 to 1% as fine stringers, blebs, and on a fracture 25° to core axis at 281.3.	6201	1	277.2	281.8	4.6			<.001	

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO BL-86-8 SHEET NO 9 of 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
281.8	291.5	MAFIC FLOW - typical										
291.5	294.8	INTERMEDIATE TUFF - medium grey; fine grained, pyrite disseminated, trace to 0.5%.	6202	0.5	291.5	294.5	3.0			<.001		
		- 294.0 - pyrite blebs around small quartz stringer.										
294.8	321.0	MAFIC FLOW - typical, often blocky, fractured.										
		- 294.8 - small quartz-tourmaline vein, minor tourmaline disseminated into mafics as well	6203	-	294.8	295.7	0.9			<.001		
		- 313.5 - 313.8 - quartz vein	6204	-	313.0	314.4	1.4			<.001		
		- 315.0 - 317.0 - quartz vein.	6205	-	314.4	317.7	3.3			<.001		
321.0		End of Hole.										

LANGROGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: BEN LAKE
HOLE NO.: BL-86-9 LENGTH: 457'
LOCATION: L20E 5+25S
LATITUDE: _____ DEPARTURE: _____
ELEVATION: _____ AZIMUTH: 335° DIP: -45°
STARTED: October 5, 1986 FINISHED: October 26, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
200'	-41.4°				
457'	-38.1°				

HOLE NO. BL-86-9 SHEET NO. 1 of 3
REMARKS: Summary Log

Claim 570078

LOGGED BY: L. Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION SUMMARY LOG	SAMPLE NO.	SAMPLE SLOPE INDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS		ASSAYS oz/TON	ASSAYS oz/TON	
0	24.5	CASING										
24.5	26.5	GRANITE - from overburden boulder.										
26.5	51.5	MAFIC FLOW - typical.										
51.5	65.1	BANDED IRON FORMATION - medium grey-green, fine grained, grunerite associated with magnetite, trace sulphides.										
65.1	68.0	GRAPHITIC SEDIMENT - dark grey-black, very fine grained.										
68.0	75.7	BANDED IRON FORMATION - medium grey-black, well banded, 0.5-1% pyrrhotite.										
75.7	81.4	GRAPHITIC SEDIMENT - as 65.1 - 68.0.										
81.4	97.3	BANDED IRON FORMATION - as 68.0 - 75.7.										
97.3	107.3	GRAPHITIC SEDIMENT - as 65.1 - 68.0.										
107.3	134.8	MAFIC FLOW - typical.										
		- 117.5 - quartz-carbonate-tourmaline vein.										
134.8	136.2	QUARTZ-FELDSPAR PORPHYRY - typical.										
136.2	155.6	MAFIC TUFF - typical.										
155.6	157.8	BANDED IRON FORMATION - pyrite 0.5-1%, pyrrhotite 0.5-1%.										
157.8	159.5	QUARTZ-FELDSPAR PORPHYRY - typical.										
159.5	196.2	MAFIC TUFF - typical.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-9 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	ASSAYS oz/ton	
196.2	236.0	GREYWACKE - typical.										
236.0	246.1	MAFIC FLOW - typical.										
246.1	247.7	QUARTZ-FELDSPAR PORPHYRY - typical.										
247.7	255.3	MAFIC TUFF - typical.										
255.3	272.2	MAFIC FLOW - typical.										
272.2	286.7	MAFIC TUFF - typical.										
286.7	358.8	GREYWACKE - typical.										
		- 288.3 - 288.5 - quartz-carbonate-tourmaline vein.	6311	2	287.6	288.6	1.0			.024		
		- 289.0 - 289.2 - quartz-tourmaline vein.										
		- 308.9 - 309.7 - 50-60% quartz-carbonate-tourmaline stringers.										
		- 310.9 - 311.1 - quartz vein, trace tourmaline.										
358.8	362.6	DIORITE - medium grey, medium grained.	6238	tr	358.8	362.6	3.8			.012		
362.6	375.3	GREYWACKE - typical.										
375.3	382.0	MAFIC FLOW - typical.										
382.0	392.0	GREYWACKE - typical.										
		- 382.4 - 1/4" quartz-carbonate-tourmaline vein.										
		- 387.2 - 1/2" quartz-carbonate-tourmaline vein.										
392.0	395.2	SILICIFIED INTERMEDIATE TUFF - typical.										
395.2	417.3	GREYWACKE - typical.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-9 SHEET NO. 3 of 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
417.3	427.9	SILICIFIED MAFIC TUFF - typical.										
427.9	457.0	MAFIC FLOW - typical.										
457.0		End of Hole.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-9 LENGTH 457'
LOCATION L20E 5+25S
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335° DIP -45°
STARTED October 25, 1986 FINISHED October 26, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
200'	-41.4°				
457'	-38.1°				

HOLE NO. BL-86-9 SHEET NO. 1 of 7
REMARKS _____

Claim 570078

LOGGED BY L.Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE SULPHIDES %	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0	24.5	CASING									
24.5	26.5	GRANITE - from boulder in overburden									
26.5	51.5	MAFIC FLOW - typical, foliated 78° to core axis, quartz-carbonate stringers comson	6271	-	26.5	27.8	1.3			<.001	
			6272	-	43.4	44.5	1.1			<.001	
		- 27.2 - 27.3 - quartz-carbonate stringer	6273	-	46.0	47.0	1.0			<.001	
		- 43.8 - 44.0 - quartz-carbonate stringer	6274	-	49.8	51.5	1.7			<.001	
		- 46.3 - 46.6 - quartz-carbonate stringer									
51.5	65.1	BANDED IRON FORMATION - medium grey-green; fine grained, well banded, banding and foliation 70° to core axis. Grunerite is is wispy, associated with magnetite. Carbonatization associated with grunerite.	6275	tr	51.5	55.0	3.5			<.001	
			6276	tr	55.0	60.0	5.0			<.001	
			6277	tr	60.0	65.1	5.1			<.001	
		Average Modes Chert 40 - 50% Magnetite 30 - 40% Grunerite 10 - 20% Pyrite trace disseminated Pyrrhotite trace disseminated									
65.1	68.0	GRAPHITIC SEDIMENT - dark grey-black; very fine grained, well banded, well foliated, banding, foliation at 65° to core axis, mildly magnetic. Pyrrhotite 0.5 - 1% as very fine stringers.	6278	1	65.1	68.0	2.9			<.001	
		- 65.5 - 65.8 - small Banded Iron Formation									
		- 67.5 - 67.6 - small Banded Iron Formation									

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-9 SHEET NO. 2 of 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS				
								%	%	OZ TON	OZ TON	
68.0	75.7	BANDED IRON FORMATION - medium grey-black; well banded, banding, foliation 70° to core axis.	6279	1	68.0	72.0	4.0				<.001	
			6280	1	72.0	75.7	3.7				<.001	
		Average Modes Chert 50 - 60% Magnetite 30 - 40% Grunerite 10 - 20% associated with magnetite Chlorite 5 - 15% Garnets 1 - 2% pink, poikiloblastic, anhedral Pyrrhotite 0.5 - 1%										
		Pyrrhotite as fine stringers and disseminated.										
		- 72.5 - 72.8 - contorted, folded foliation.										
75.7	81.4	GRAPHITIC SEDIMENT - as 65.1 - 68.0, trace pyrrhotite.										
		- 76.8 - 76.9 - small Banded Iron Formation	6281	tr	75.7	81.4	5.7				<.001	
		- 77.8 - 78.5 - small Banded Iron Formation										
		- 80.7 - 80.9 - small Banded Iron Formation, 0.5 - 1% pyrrhotite.										
81.4	97.3	BANDED IRON FORMATION - as 68.0 - 75.7	6282	1	81.4	86.1	4.7				<.001	
			6283	1	86.1	91.0	4.9				.002	
			6284	1	91.0	95.0	4.0				<.001	
			6285	1	95.0	97.3	2.3				<.001	
97.3	107.3	GRAPHITIC SEDIMENT - as 65.1 - 68.0, pyrrhotite 0.5 - 1% as fine stringers. Pyrite, trace to 0.5% disseminated, rarely as stringers.										
			6286	1.5	97.3	101.0	3.7				<.001	
		- 105.0 - 106.2 - 40 - 50% quartz stringers, each approximately 1/2" wide, with 1 - 2% pyrrhotite	6287	1.5	101.0	105.0	4.0				<.001	
			6288	1.5	105.0	106.2	1.2				<.001	
			6289	1.5	106.2	107.3	1.1				<.001	
		- 107.7 - 107.3 - quartz vein, trace pyrrhotite.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO BL-86-9 SHEET NO 3 of 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPH (DES)	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz Ton	ASSAYS oz Ton	
107.3	134.8	MAFIC FLOW - typical, foliated at 70° to core axis.										
		- 107.3 - 110.0 - trace to 0.5% disseminated pyrrhotite	6290	0.5	107.3	111.0	3.7			<.001		
		- 117.5 - quartz-carbonate tourmaline vein	6291	-	117.0	118.1	1.1			<.001		
		- 125.1 - 126.1 - diorite, light grey with green tinges, fine grained	6292	-	125.0	126.1	1.1			.002		
		- 125.9 - 126.0 - quartz vein										
134.8	136.2	QUARTZ-FELDSPAR PORPHYRY - medium grey; fine grained matrix, phenocrysts 1 - 2 mm 20 - 30%, foliated 70° to core axis.	6293	-	134.8	136.2	1.4			<.001		
		Average Modes Quartz 50 - 60% Feldspar 30 - 40% Biotite 10 - 20%										
136.2	155.6	MAFIC TUFF - dark green-grey; fine grained, moderately well banded, foliated 65° to core axis.	6294	tr	139.6	141.2	1.6			<.001		
			6295	tr	141.2	143.2	2.0			<.001		
		Average Modes	6296	tr	143.9	145.1	1.2			.001		
		Chlorite 30 - 40% Biotite 30 - 40% Amphiboles 20 - 30% Quartz 15 - 20% Feldspar 5 - 10% Pyrrhotite trace	6297	tr	145.1	147.0	1.9			<.001		
			6298	tr	152.7	154.0	1.3			<.001		
			6299	tr	154.0	155.6	1.6			<.001		
		Pyrrhotite generally associated with quartz-feldspar porphyry.										
		- 139.9 - 140.6 - quartz-feldspar porphyry										
		- 140.4 - 140.5 - quartz vein										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. B1-86-9 SHEET NO. 4 of 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
		- 141.7 - 142.0; 142.5 - 142.9; 144.2 - 144.5; 144.8 - 145.0; and 145.4 - 145.9 - quartz-feldspar porphyry - 145.5 - 145.8 - quartz vein - 153.1 - 153.6; and 154.6 - 155.2 - quartz-feldspar porphyry.										
155.6	157.8	BANDED IRON FORMATION - medium grey-black; generally fine grained, foliation and banding 60° to core axis, well banded. Average Modes Chert 40 - 50% Magnetite 20 - 30% Grunerite 10 - 20% Chlorite 10 - 20% Garnets 5 - 10% Pyrite 0.5 - 1% Pyrrhotite 0.5 - 1% Graphite trace in a single 1/4" band Garnets 2 - 3 mm, pink, anhedral, poikiloblastic, in the chloritic bands. - 157.2 - 157.8 - pyrite, pyrrhotite stringers prominent.	6300	2	155.6	157.8	2.2			<.001		
157.8	159.5	QUARTZ-FELDSPAR PORPHYRY - as 134.8 - 136.2.	6301	-	157.8	159.5	1.7			<.001		
159.5	196.2	MAFIC TUFF - as 136.2 - 155.6 - 168.1 - 170.0 - pyrite coated fractures 70° to core axis	6302	tr	167.9	171.4	3.5			<.001		
		- 170.7 - 171.1 - quartz vein										
		- 177.3 - 178.2 - quartz-feldspar porphyry, minor muscovite	6303	-	177.3	178.2	0.9			<.001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-9 SHEET NO. 5 of 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
		- 183.2 - pyrite coated fracture 30° to core axis	6304	tr	182.7	184.9	2.2			.001		
		- 183.9 - quartz vein, 3 - 5% pyrite										
196.2	236.0	GREYWACKE - dark grey-green; fine to medium grained, generally poorly banded, foliation 60° to core axis; trace pyrrhotite, erratically distributed.										
		- 199.0 - minor 1 mm pink garnets										
		- 200.9 - 201.1 - quartz-carbonate vein	6305	-	200.5	201.4	0.9			<.001		
		- 201.7 - minor brecciated zone										
		- 202.9 - 203.2 - quartz-carbonate vein, greywacke in vicinity coarser grained, trace pyrrhotite	6306	-	202.5	203.5	1.0			<.001		
		- 204.8 - 206.0 - mafic tuff.										
236.0	246.1	MAFIC FLOW - typical										
		- 241.5 - 242.0 - quartz-feldspar porphyry with 1/2" quartz vein.	6307	-	241.3	242.3	1.0			<.001		
246.1	247.7	QUARTZ-FELDSPAR PORPHYRY - as 134.8 - 136.2	6308	-	246.1	247.7	1.6			<.001		
247.7	255.3	MAFIC TUFF - as 136.2 - 155.6										
255.3	272.2	MAFIC FLOW - typical, very blocky.										
272.2	286.7	MAFIC TUFF - dark grey-green; fine to medium grained, poorly banded, foliated 70° to core axis, mineralogy typical.										
		- 281.1 - 281.3 - chert band, trace pyrrhotite	6309	tr	280.7	281.7	1.0			<.001		
		- 285.5 - trace pyrite and 1 - 3 mm muscovite books on an irregular fracture.	6310	tr	284.7	286.3	1.6			<.001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-9 SHEET NO. 6 of 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
286.7	358.8	GREYWACKE - typical										
		- 288.3 - 288.5 - quartz-carbonate-tourmaline vein, 40 - 50% tourmaline, 3 - 5% pyrrhotite, trace pyrrhotite in wall rock	6311	2	287.6	288.6	1.0			.024		
			6312	tr	288.6	289.6	1.0			<.001		
		- 289.0 - 289.2 - quartz-tourmaline vein, 10 - 20% tourmaline	6313	tr	289.6	290.7	1.1			.003		
		- 290.0 - pyrite coated fracture 25° to core axis										
		- 308.9 - 309.7 - quartz-carbonate-tourmaline stringers 50 - 60% of section, tourmaline 3 - 5%, minor hematite stains	6314	tr	308.5	310.5	2.0			<.001		
		- 310.9 - 311.1 - quartz vein, minor carbonate, trace tourmaline	6315	tr	310.5	311.5	1.0			<.001		
			6316	-	313.8	315.8	2.0			.002		
			6317	1	317.5	320.2	2.7			<.001		
		- 314.0 - 315.0 - mildly contorted foliation	6318	1	320.2	322.1	1.9			.008		
			6319	1	322.1	323.6	1.5			.005		
		- 317.5 - 358.8 - 0.5 - 1% pyrrhotite, finely disseminated, occasionally in coarse stringers and blebs, notably 321.0 - 321.5 and 333.9 - 334.2.	6320	1	323.6	325.7	2.1			<.001		
			6321	0.5	325.7	330.4	4.7			<.001		
			6322	0.5	330.4	333.5	3.1			<.001		
			6323	0.5	333.5	335.2	1.7			<.001		
			6324	0.5	335.2	340.0	4.8			<.001		
			6325	0.5	340.0	345.0	5.0			<.001		
			6326	0.5	345.0	348.1	3.1			<.001		
			6327	0.5	355.0	358.8	3.8			<.001		
358.8	362.6	DIORITE - medium grey with pink hues due to hematite staining; medium grained, well carbonatized, pyrite is trace, disseminated.	6328	tr	358.8	362.2	3.8			.012		
		Average Modes Feldspar 30 - 40% Chlorite 30 - 40% Quartz 20 - 30% Amphiboles 10 - 20%										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-9 SHEET NO 7 of 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	%	OZ TON	OZ TON
362.6	375.3	GREYWACKE - typical, 1 - 2% fine grained magnetite, trace disseminated pyrite.	6329	tr	362.6	367.0	4.4				<.001
			6330	tr	367.0	370.8	3.8				<.001
			6331	tr	370.8	375.3	4.5				<.001
375.3	382.0	MAFIC FLOW - typical, very blocky, broken up, trace disseminated pyrite.									
382.0	392.0	GREYWACKE - typical									
		- 382.4 - 1/4" quartz-carbonate-tourmaline vein	6332	tr	382.0	383.1	1.1				<.001
		- 387.2 - 1/2" quartz-carbonate-tourmaline vein with trace to 0.5% pyrrhotite associated	6333	tr	386.8	387.7	0.9				<.001
		- 389.0 - 392.0 - trace to 0.5% pyrite, disseminated.	6334	tr	389.0	392.0	3.0				<.001
392.0	395.2	SILICIFIED INTERMEDIATE TUFF - light grey-pink; very fine grained									
		- 392.0 - 392.8 - hematite staining	6335	-	392.0	395.2	3.2				<.001
		- 392.6 - 393.0 - brecciated prior to silicification, foliated 60° to core axis.									
395.2	417.3	GREYWACKE - typical, foliated 60° to core axis, infrequent pink garnets, fractures perpendicular to foliation at 50° to core axis, occasionally with pyrite blebs.	6336	tr	395.2	397.0	1.8				<.001
			6337	tr	404.3	407.0	2.7				<.001
			6338	tr	407.0	412.0	5.0				<.001
417.3	427.9	SILICIFIED MAFIC TUFF - medium to dark grey-green; well banded. frequent quartz stringers, banding and foliation 60° to core axis.	6339	-	417.3	422.7	5.4				<.001
			6340	-	422.7	427.8	5.1				<.001
427.9	457.0	MAFIC FLOW - typical									
		- 427.9 - 428.7 - 0.5 - 1% disseminated pyrite									
		- 428.7 - 429.5 - fracture at 15° to core axis, 1" displacement on fracture	6341	-	427.9	429.9	2.0				<.001
		- 429.1 - 429.3 - quartz vein.									
457.0		End of Hole.									

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-10 LENGTH 210'

LOCATION L7E 4+09S

LATITUDE _____ DEPARTURE _____

ELEVATION _____ AZIMUTH 335° DIP -60°

STARTED October 26, 1986 FINISHED October 27, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
210'	-52.8°				

HOLE NO. BL-86-10 SHEET NO. 1 of 2

REMARKS Summary Log

Claim 570077

LOGGED BY L. Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION SUMMARY LOG	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
0	8.5	CASING										
8.5	15.3	AMPHIBOLITE - typical.										
15.3	21.9	GREYWACKE - typical.										
21.9	22.8	QUARTZ-FELDSPAR PORPHYRY - typical.										
22.8	25.6	GREYWACKE - typical.										
25.6	47.8	ARGILLACEOUS SEDIMENT - fine grained, dark grey, trace pyrite.										
47.8	87.3	GREYWACKE - typical.										
		- 67.4 - 67.6 - quartz-carbonate-tourmaline vein.										
87.3	100.2	MAFIC TUFF - typical.										
100.2	148.8	GREYWACKE - typical.										
148.8	159.4	MAFIC TUFF - typical.										
159.4	163.7	BANDED IRON FORMATION - medium grey, very fine grained, well banded.										
163.7	165.5	QUARTZ-FELDSPAR PORPHYRY - typical.										
165.5	185.2	GRAPHITIC SEDIMENT - fine grained, dark grey-black.										
185.2	187.5	MAFIC TUFF - typical.										
187.5	193.7	GREYWACKE - typical.										
193.7	197.9	MAFIC TUFF - typical.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-10 SHEET NO. 2 of 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz ton	ASSAYS oz ton	
197.9	207.9	GREYWACKE - typical.										
207.9	210.0	MAFIC TUFF - typical.										
210.0		End of Hole.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-10 LENGTH 210'
LOCATION L7E 4+09S
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335° DIP -60°
STARTED October 26, 1986 FINISHED October 27, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
210'	-52.8°				

HOLE NO. BL-86-10 SHEET NO. 1 of 4
REMARKS _____

Claim 570077

LOGGED BY L.Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SULPHIDES %	FOOTAGE FROM	FOOTAGE TO	FOOTAGE TOTAL	ASSAYS %	%	OZ/TON	OZ/TON
0	8.5	CASING									
8.5	15.3	AMPHIBOLITE - dark grey; medium grained, foliated at 80° to core axis.									
		Average Modes									
		Amphiboles 50 - 60%	6342	-	8.5	10.6	2.1			<.001	
		Quartz 10 - 20%	6343	1	10.6	11.5	0.9			<.001	
		Chlorite 10 - 20%	6344	-	11.5	15.3	3.8			<.001	
		Feldspar 10 - 20%									
		- 10.6 - 11.5 - 0.5 - 1% pyrrhotite, associated with quartz stringer at 11.2.									
15.3	21.9	GREYWACKE - dark grey; fine to medium grained, foliated at 50° to core axis, infrequent quartz-carbonate stringers.	6345	-	17.0	18.0	1.0			<.001	
		- 17.2 - 18.0 - 2 fractures at 20° to core axis with 1/4" - 1/2" alteration halos.									
21.9	22.8	QUARTZ-FELDSPAR PORPHYRY - medium grey; fine to medium grained, 1 - 2 mm phenocrysts 10 - 20%, foliated at 50° to core axis.	6346	-	21.9	22.8	0.9			<.001	
		Average Modes									
		Quartz 50 - 60%									
		Feldspar 30 - 40%									
		Biotite 5 - 10%									
		- 22.7 - 22.8 - quartz-carbonate vein.									

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO BL-86-10 SHEET NO 2 of 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS				
								%	%	oz/ton	oz/ton	
22.8	25.6	GREYWACKE - typical, trace to 0.5% pyrrhotite disseminated	6347	-	22.8	25.6	2.8			< .001		
25.6	47.8	ARGILLACEOUS SEDIMENT - dark grey; fine grained, infrequent quartz-carbonate stringers, foliated 40° to core axis.										
		Average Modes Biotite 30 - 40% Chlorite 20 - 30% Quartz 20 - 30% Feldspar 10 - 20% Garnets 2 - 3% Pyrite trace										
		Pyrite disseminated, and on fractures. Garnets less than 1 mm, pink, subhedral to anhedral, common 38.0 - 41.0.	6348	tr	25.6	27.0	1.4			< .001		
		- 35.5 - 36.5 - trace to 0.5% disseminated pyrite	6349	0.5	34.6	36.4	1.8			< .001		
		- 42.2 - 44.9 - trace to 0.5% disseminated pyrite also on fractures 15° to core axis.	6350	0.5	42.2	44.9	2.7			.001		
47.8	87.3	GREYWACKE - typical										
		- 67.4 - 67.6 - quartz-carbonate-tourmaline vein	6351	-	67.0	68.0	1.0			.003		
87.3	100.2	MAFIC TUFF - dark green-grey; fine to medium grained, moderately well banded, banding and foliation 50° to core axis.										
		Average Modes Biotite 30 - 40% Chlorite 20 - 30% Quartz 10 - 20% Amphiboles 10 - 20% Feldspar 5 - 10% Pyrite trace disseminated	6352	tr	97.3	100.2	2.9			< .001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-10 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 oz/ton	ASSAYS oz/ton	
100.2	148.8	GREYWACKE - medium grey; fine to medium grained, well folliated, schistose, foliated 55° to core axis, indistinct banding, some sections mildly magnetic.	6353	-	117.0	122.0	5.0			<.001		
		Average Modes	6354	-	122.0	125.3	3.3			<.001		
		Biotite 30 - 40%	6355	-	131.4	136.4	5.0			<.001		
		Chlorite 20 - 30%										
		Quartz 15 - 20%	6356	-	141.8	142.8	1.0			.002		
		Feldspar 5 - 10%										
		Amphiboles 5 - 10%										
		- 142.1 - 142.4 - quartz vein with trace pyrrhotite, possibly an altered mafic tuff.										
148.8	159.4	MAFIC TUFF - fine grained, moderately well banded, foliation and banding 55° to core axis, mineralogy typical.	6357	-	156.3	159.4	3.1			<.001		
159.4	163.7	BANDED IRON FORMATION - medium grey; very fine grained, well banded light green hue, possibly due to grunerite, chert 30 - 40%, magnetite 30 - 40%.										
			6358	-	159.4	160.3	0.9			<.001		
		- 159.4 - 160.3 - quartz vein, 20 - 30% chloritic stringers.	6359	-	160.3	163.7	3.4			.001		
163.7	165.5	QUARTZ-FELDSPAR PORPHYRY - typical, foliated 60° to core axis, moderately sheared.	6360	-	163.7	165.5	1.8			<.001		
165.5	185.2	GRAPHITIC SEDIMENT - dark grey-black; fine grained, foliated 50° to core axis, quartz-carbonate stringers common, 0.5 - 1% disseminated pyrite, also as smears on foliation planes.	6361	1	165.5	170.0	4.5			<.001		
			6362	1	170.0	175.1	5.1			<.001		
			6363	1	175.1	180.0	4.9			<.001		
		- 182.2 - 182.4 - quartz-carbonate stringer, 2 - 3% pyrite concentrated at edges in stringers	6364	1	180.9	182.9	2.0			.001		
			6365	1	182.9	185.2	2.3			<.001		
		- 184.6 - 184.7 - quartz stringer, 2 - 3% pyrite as coarse blebs and stringers.										

DIAMOND DRILL RECORD

NAME OF PROPERTY: BEN LAKE

HOLE NO. BL-86-10 SHEET NO. 4 of 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz Ton	ASSAYS oz Ton	
185.2	187.5	MAFIC TUFF - typical, foliated 48° to core axis.	6366	-	185.2	187.5	2.3			.001		
187.5	193.7	GREYWACKE - typical.										
193.7	197.9	MAFIC TUFF - dark grey-brown; moderately well banded, banding and foliation 55° to core axis.	6367	-	193.7	197.9	4.2			<.001		
		- 196.5 - 197.9 - several .1' and .2' quartz stringers.										
197.9	207.9	GREYWACKE - dark grey; medium grained, foliated 55° to core axis.										
		Average Modes										
		Biotite 30 - 40%										
		Quartz 20 - 30%										
		Chlorite 10 - 20%										
		Amphiboles 10 - 20%										
		Feldspar 10 - 20%										
207.9	210.0	MAFIC TUFF - typical.										
210.0		End of Hole.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-11 LENGTH 250'
LOCATION L8W 11+50S
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335° DIP -60°
STARTED October 27, 1986 FINISHED October 28, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
250'	-52.8°				

HOLE NO. BL-86-11 SHEET NO. 1 of 1
REMARKS Summary Log

Claim 570086

LOGGED BY L. Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION SUMMARY LOG	SAMPLE NO.	SAMPLE MINERALIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS		ASSAYS oz/ton	ASSAYS oz/ton	
0	6.0	CASING										
6.0	29.4	TUFFACEOUS SEDIMENT - medium to dark grey, generally fine grained.										
29.4	33.7	ARGILLACEOUS SEDIMENT - medium grey, very fine grained, very fine banding.										
33.7	94.5	TUFFACEOUS SEDIMENT - typical.										
94.5	103.3	INTERMEDIATE INTRUSIVE - medium grey, coarse grained, porphyritic.										
103.3	106.2	TUFFACEOUS SEDIMENT - typical.										
106.2	130.8	INTERMEDIATE INTRUSIVE - as 94.5 - 103.3.										
130.8	164.4	TUFFACEOUS SEDIMENT - typical.										
164.4	199.3	MAFIC TO INTERMEDIATE TUFF - typical.										
199.3	206.0	MAFIC TUFF										
206.0	212.5	FELSIC TUFF - medium grey, moderate carbonatization.										
		- 208.2 - 208.5 - 70-80% pyrrhotite, trace chalcopyrite.										
212.5	250.0	MAFIC FLOW - typical.	6405	50	212.5	213.5	1.0			.021		
		- 213.8 - trace arsenopyrite.										
250.0		End of Hole.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-11 LENGTH 250'
LOCATION L8W 11+50S
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335° DIP -60°
STARTED October 27, 1986 FINISHED October 28, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
250'	-52.8°				

HOLE NO. BL-86-11 SHEET NO. 1 of 7
REMARKS
Claim 570086
LOGGED BY L.Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SULPHIDES %	FOOTAGE FROM	FOOTAGE TO	FOOTAGE TOTAL	ASSAYS %	%	oz/TON	oz/TON
0	6.0	CASING									
6.0	29.4	TUFFACEOUS SEDIMENT - medium to dark grey, generally fine grained, well foliated at 50° to core axis.									
		Average Modes									
		Quartz 20 - 30% Biotite 20 - 30% Chlorite 20 - 30% Feldspar 10 - 20% Amphiboles 10 - 20% Garnets 3 - 5%									
		Garnets 3 - 5 mm, subhedral to euhedral, pink.	6368	-	26.0	28.5	2.5			<.001	
		- 29.1 - 29.4 - 2 - 3% pyrite, in a coarse stringer, 3 - 5% pyrrhotite as coarse stringers and disseminated.	6369	2	28.5	29.4	0.9			<.001	
29.4	33.7	ARGILLACEOUS SEDIMENT - medium grey; very fine grained, very fine banding, banding and foliation at 40° to core axis. Pyrrhotite 2 - 3% disseminated, and in very fine stringers. Pyrite 0.5 - 1% disseminated, and on fractures.									
		- 30.2 - 30.4 - quartz vein with 2 - 3% coarse pyrrhotite blebs, 0.5 - 1% coarse pyrite blebs	6370	4	29.4	33.7	4.3			<.001	
		- 31.7 - fracture 30° to core axis across foliation, pyrite coated									
		- 32.4 - fracture 25° to core axis, pyrite coated									

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-11 SHEET NO. 2 of 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		- 33.0 - pyrite coated fractures, irregular, generally sub-parallel to core axis.										
33.7	94.5	TUFFACEOUS SEDIMENT - as 6.0 - 29.4										
		- 33.7 - 37.0 - trace to 0.5% pyrrhotite	6371	0.5	33.7	38.0	4.3			<.001		
		- 45.0; 46.0 - small, 1/4" - 1/2" quartz stringers, trace pyrrhotite, stringers appear boudinaged	6372	tr	44.5	46.3	1.8			<.001		
			6373	tr	46.3	48.9	2.6			<.001		
		- 47.0 - 47.3 - quartz stringers, banding around stringers contorted										
		- 49.3 - quartz stringer, trace pyrrhotite, possibly boudinaged	6374	tr	49.0	51.2	2.2			<.001		
			6375	-	54.1	55.4	1.3			<.001		
		- 60.2 - 60.3 - quartz stringer, trace pyrrhotite	6376	tr	59.3	62.5	3.2			<.001		
		- 60.6 - 60.8 - quartz stringer, trace pyrrhotite, banding around stringer is contorted										
		- 61.2 - 61.3 - quartz stringer, 3 - 5% tourmaline, trace pyrrhotite										
		- 61.4 - 61.6 - quartz stringer										
		- 62.0 - 62.3 - quartz stringer with trace pyrite, trace pyrrhotite										
		- 62.5 - 65.0 - banding wispy, irregular, quartz stringers irregular, trace pyrite	6377	tr	62.5	65.1	2.6			<.001		
		- 75.5 - fracture 55° to core axis across foliation, pyrite coated	6378	tr	74.7	76.4	1.7			<.001		
		- 78.4 - 80.0 - 0.5 - 1% pyrrhotite on foliation planes	6379	tr	78.2	82.0	3.8			<.001		
		- 80.0 - 80.3 - quartz vein										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-11 SHEET NO. 3 of 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		- 80.3 - 80.6 - 0.5 - 1% pyrrhotite as stringers and blebs										
		- 80.6 - 81.1 - quartz vein, 2 - 3% pyrrhotite as blebs										
		- 81.1 - 82.3 - 0.5 - 1% pyrrhotite as stringers and blebs										
		- 82.3 - 83.1 - quartz vein, trace disseminated pyrrhotite	6380	tr	82.0	86.7	4.7			.002		
		- 83.1 - 83.8 - tuffaceous sediment, trace to 0.5% pyrrhotite as blebs, 30% quartz stringers, banding contorted										
		- 83.8 - 85.4 - quartz vein, trace to 0.5% pyrrhotite as blebs at edges of vein										
		- 85.4 - 85.7 - contorted banding, 2 - 3% pyrrhotite as stringers and blebs										
		- 85.7 - 86.0 - quartz vein, trace to 0.5% pyrrhotite as blebs at edges of vein	6381	tr	86.7	88.0	1.3			<.001		
		- 86.0 - 86.2 - trace to 0.5% pyrrhotite stringers and blebs										
		- 86.2 - 86.5 - quartz vein, 30 - 40% biotite, 10 - 15% chlorite, 1 - 2% pyrrhotite										
		- 86.5 - 88.1 - trace to 0.5% pyrrhotite on foliation planes										
		- 88.1 - 89.3 - contorted banding, trace to 0.5% pyrrhotite	6382	tr	88.0	90.0	2.0			<.001		
		- 93.0 - quartz vein, banding around vein contorted.	6383	tr	92.5	93.4	0.9			<.001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-11 SHEET NO. 4 of 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
94.5	103.3	INTERMEDIATE INTRUSIVE - medium grey; coarse grained, porphyritic, foliation defined by biotite 55° to core axis, well carbonatized. Carbonate releases fetid odor when acid applied. Average Modes Quartz 30 - 40% Feldspar 30 - 40% Biotite 10 - 20% Carbonate 3 - 5% Pyrite trace disseminated	6384	tr	94.5	98.3	3.8			<.001		
103.3	106.2	TUFFACEOUS SEDIMENT - as 6.0 - 29.4; trace disseminated pyrrhotite, foliation varies from 60° to core axis to parallel to core axis, moderately contorted.	6385	tr	103.3	106.2	2.9			<.001		
106.2	130.8	INTERMEDIATE INTRUSIVE - as 94.5 - 103.3										
		- 109.0 - 110.3 - foliation parallel to core axis in zone 1/2" wide-shear zone (?)	6386	5	108.3	110.8	2.5			<.001		
		- 110.3 - fracture 25° to core axis with 3 - 5% pyrite.										
130.8	164.4	TUFFACEOUS SEDIMENT - as 6.0 - 29.4										
		- 133.4 - 133.5 - quartz stringer with superimposed fracture at 38° to core axis. Pyrrhotite smears on fracture	6387	tr	132.8	134.0	1.2			<.001		
		- 140.1 - 144.2 - quartz-feldspar porphyry, 2 - 3 mm quartz phenocrysts, trace pyrrhotite. 50% of section is quartz-feldspar porphyry, 50% is tuffaceous sediment. Contact between lithologies is irregular, runs length of section sub-parallel to core axis	6388	-	140.1	144.1	4.1			<.001		
		- 150.2 - 153.0 - trace - 1% pyrrhotite as fine stringers and blebs on foliation planes	6389	1	150.3	153.0	2.7			<.001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-11 SHEET NO 5 of 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		- 157.1 - 159.5 - intermediate intrusive as 94.5 - 103.3, fine to medium grained, trace disseminated pyrrhotite	6390	tr	157.1	159.5	2.4			<.001	
		- 159.5 - 160.6 - 0.5 - 1% pyrrhotite disseminated on foliation planes	6391	1	159.5	160.6	1.1			<.001	
		- 160.6 - 164.4 - intermediate intrusive as 94.5 - 103.3	6392	-	160.6	164.4	3.8			<.001	
164.4	198.3	MAFIC TO INTERMEDIATE TUFF - medium grey; fine grained, moderately well banded, schistose, banding and foliation 52° to core axis. Trace pyrrhotite on foliation planes. Irregular 1/4" quartz veins at any angle to core axis common.									
		Average Modes Biotite 40 - 50% Quartz 20 - 30% Feldspar 10 - 20% Chlorite 10 - 20%									
		- 175.7 - 176.3 - quartz vein, 1 - 2% pyrrhotite as coarse blebs	6393	-	172.4	175.0	2.6			<.001	
		- 176.5 - 176.7 - quartz vein	6394	1	175.0	177.2	2.2			<.001	
		- 184.2 - 186.3 - intermediate intrusive	6395	tr	184.2	186.3	2.1			<.001	
		Average Modes Amphiboles 40 - 50% Chlorite 20 - 30% Quartz 5 - 10% Feldspar 5 - 10% Pyrite trace disseminated	6396	-	186.3	189.7	3.4			<.001	
		- 187.7 - 191.9 - intermediate intrusive as 184.2 - 186.3, 1 - 2% disseminated pyrite in coarse blebs	6397	2	189.7	191.9	2.2			<.001	
			6398	2	191.9	194.6	2.7			<.001	
		- 191.9 - 198.3 - 1 - 2% disseminated pyrite.	6399	2	194.6	198.3	3.7			<.001	

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-11 SHEET NO. 6 of 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
198.3	206.0	MAFIC TUFF - medium green-grey; fine grained, well banded, banding and foliation 45° to core axis.	6400	1	198.3	202.5	4.2			<.001		
			6401	1	202.5	206.0	3.5			<.001		
		Average Modes Biotite 40 - 50% Chlorite 30 - 40% Quartz 5 - 10% Feldspar 5 - 10% Garnets 2 - 3% Pyrite 0.5 - 1%										
		Garnets 2 - 3 mm, subhedral, pink. Pyrite disseminated, as blebs on foliation planes.										
		- 205.2 - 205.5 - quartz vein, 1 - 2% pyrite as blebs.										
206.0	212.5	FELSIC TUFF - medium grey; foliated 45° to core axis, phenocrysts 1 - 2 mm, 5 - 10%, quartz; moderate carbonatization on foliation planes.										
		Average Modes Quartz 60 - 70% Feldspar 20 - 30% Biotite 5 - 10%										
		- 206.0 - 207.0 - leaching, chloritization around fractures at 15° to core axis, zones 1/4" - 1" wide	6402	-	206.0	207.5	1.5			<.001		
		- 208.2 - 208.5 - 70 - 80% pyrrhotite, trace chalcopyrite, 20 - 30% quartz	6403	5	207.5	209.0	1.5			.001		
		- 208.5 - 208.7 - wispy quartz-carbonate stringers 30 - 40% of section. Chloritic material, possibly mafic tuff, 60 - 70%.	6404	-	209.0	212.5	3.5			<.001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-11 SHEET NO. 7 of 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS		ASSAYS oz/ton	ASSAYS oz/ton	
212.5	250.0	MAFIC FLOW - dark green; fine to medium grained, foliation outlined by acicular amphiboles.										
		Average Modes										
		Chlorite 40 - 50%										
		Amphiboles 30 - 40%										
		Quartz 10 - 20%										
		Feldspar 10 - 20%										
		Pyrite trace										
		Arsenopyrite trace seen at 213.8										
		Infrequent quartz-carbonate stringers.										
		- 212.5 - 213.1 - 60 - 70% pyrite, 10 - 20% quartz, 10 - 20% chlorite	6405	50	212.5	213.5	1.0			.021		
			6406	tr	213.5	215.2	1.7			<.001		
		- 214.4 - 214.7 - quartz vein	6407	tr	221.7	222.8	1.1			<.001		
		- 222.4 - pyrite smears on fracture at 50° to core axis	6408	-	225.3	227.0	1.7			<.001		
		- 225.5 - 226.7 - 2" wide breccia zone at 15° to core axis	6409	-	227.0	228.8	1.8			<.001		
		- 227.7 - 228.5 - quartz-feldspar porphyry, typical, trace pyrite										
		- 228.5 - 230.4 - mafic tuff, typical	6410	2	228.8	231.0	2.2			.003		
		- 230.2 - 230.4 - 5 - 10% pyrrhotite in stringers										
		- 240.7 - 243.5 - amphibolite, typical										
		- 244.7 - 245.0 - quartz vein, foliation disturbed around vein.	6411	-	244.4	245.5	1.1			<.001		
250.0		End of Hole.										

LANGFORDES – TORONTO – 366-1148

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-12 LENGTH 212'
LOCATION L10E 15+00S
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335° DIP -45°
STARTED October 28, 1986 FINISHED October 29, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
212'	-39.0°				

HOLE NO. BL-86-12 SHEET NO. 1 of 1
REMARKS Summary Log

Claim 570085

LOGGED BY L.Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION SUMMARY LOG	SAMPLE NO.	SAMPLE SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/TON	ASSAYS oz/TON
0	15.0	CASING									
15.0	40.3	GREYWACKE - typ' '.									
40.3	115.6	TUFFACEOUS SEDIMENT - dark grey, fine grained, moderately well banded.									
115.6	143.4	INTERMEDIATE TO FELSIC TUFF - light to medium grey, well banded.									
		- 118.2 - 119.0 - intermediate intrusive, typical.									
143.4	150.0	INTERMEDIATE TO FELSIC TUFF - brecciated by several quartz veins.									
150.0	173.2	FELSIC TUFF - medium grey, well banded.									
173.2	190.9	MAFIC FLOW - typical.									
190.9	212.0	MAFIC TUFF - typical.	6440	15	191.3	193.0	1.7			.013	
212.0		End of Hole.									

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-12 LENGTH 212'
LOCATION L10E 15+00S
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335° DIP -45°
STARTED October 28, 1986 FINISHED October 29, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
212'	-39.0°				

HOLE NO. BL-86-12 SHEET NO. 1 of 4
REMARKS
Claim 570085
LOGGED BY L.Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0	15.0	CASING									
15.0	40.3	GREYWACKE - medium grey-green; fine to medium grained, foliated at 45° to core axis. Gradational contact at 40.3.									
		Average Modes Amphiboles 30 - 40% Chlorite 20 - 30% Feldspar 20 - 30% Quartz 10 - 20%									
		Amphiboles predominantly tremolite-actinolite.									
		- 32.4 - fracture 48° to core axis across foliation, pyrite on fracture	6412	tr	32.0	33.1	1.1			<.001	
		- 36.7 - 37.0 - quartz vein	6413	-	36.3	37.3	1.0			<.001	
		- 39.2 - 40.3 - trace - 0.5% pyrite on foliation planes.	6414	tr	39.2	40.3	1.1			<.001	
40.3	115.6	TUFFACEOUS SEDIMENT - dark grey; fine grained, moderately well banded. Banding and foliation 50° to core axis. Trace pyrite, trace pyrrhotite on foliation planes. Occasionally spotted with pink garnets less than 1 mm, subhedral to euhedral.									
		Average Modes Biotite 30 - 40% Amphiboles 20 - 30% Quartz 10 - 20% Feldspar 10 - 20%									

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-12 SHEET NO 2 of 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH (DES)	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
		Chert 10 - 20% Chlorite 5 - 10% Garnets trace									
		- 40.3 - 42.0 - trace to 0.5% pyrite on foliation planes	6415	tr	40.3	42.7	2.4			<.001	
		- 48.5 - fracture at 45° to core axis, parallel to foliation, trace pyrite, some gouge material present	6416	tr	47.7	50.7	3.0			<.001	
		- 53.5 - 56.3 - banding contorted, disturbed, trace pyrite on foliation planes	6417	-	50.7	53.5	2.8			<.001	
			6418	tr	53.5	57.0	3.5			<.001	
		- 59.2 - 60.6 - as 53.5 - 56.3 - trace pyrrhotite on foliation planes	6419	tr	57.0	60.6	3.6			<.001	
		- 62.0 - 66.5 - banding contorted, disturbed, trace pyrrhotite on foliation planes	6420	tr	60.6	62.0	1.4			<.001	
			6421	tr	62.0	67.0	5.0			<.001	
		- 68.4 - 70.8 - banding contorted, disturbed, trace pyrrhotite on foliation planes	6422	tr	67.0	70.8	3.8			<.001	
		- 77.0 - 86.0 - banding contorted, disturbed	6423	-	77.0	82.0	5.0			<.001	
			6424	-	82.0	87.0	5.0			<.001	
		- 85.1 - 85.3 - quartz vein	6425	tr	87.0	92.0	5.0			<.001	
			6426	tr	92.0	97.0	5.0			<.001	
		- 87.5 - 89.0 - trace - 0.5% pyrrhotite	6427	tr	97.0	102.0	5.0			<.001	
			6428	tr	102.0	107.0	5.0			<.001	
		- 97.0 - 115.6 - trace - 0.5% pyrrhotite, trace to 0.5% pyrite on foliation planes	6429	tr	107.0	111.9	4.9			.001	
			6230	tr	111.9	115.6	4.7			<.001	
115.6	143.4	INTERMEDIATE TO FELSIC TUFF - light to medium grey; well banded, banding and foliation 68° to core axis.									
		Average Modes									
		Quartz 40 - 50% Biotite 10 - 20% Chlorite 10 - 20% Amphiboles 5 - 10%									

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-12 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 oz Ton	ASSAYS oz Ton	
		Pyrite trace - 0.5% Pyrrhotite trace - 0.5% Pyrite and pyrrhotite disseminated on foliation planes. - 118.2 - 119.0 - intermediate intrusive, medium grey-green, fine grained Average Modes Quartz 30 - 40% Biotite 20 - 30% Chlorite 10 - 20% Amphiboles 10 - 20% - 121.3 - 122.4 - intermediate intrusive as 118.2 - 119.0 - 128.4 - 128.7 - quartz vein, trace pyrrhotite, trace pyrite, 30 - 40% chlorite - 134.5 - 136.0 - quartz stringer 1/4" wide, sub-parallel to core axis, trace pyrrhotite, trace pyrite - 130.0 - 143.4 - composition gets more felsic, less mafic closer to contact.	6431 6432 6433 6434 6435	tr tr tr tr tr	128.0 129.4 133.0 136.0 137.3	129.4 133.0 136.0 137.3 138.5	1.4 3.6 3.0 1.3 1.2			<.001 <.001 <.001 <.001 <.001		
143.4	150.0	INTERMEDIATE TO FELSIC TUFF - as 115.6 - 143.4; brecciated by several quartz veins, notably 143.4 - 144.5; 146.5 - 148.0. 0.5 - 1% pyrrhotite.	6436 6437	1 1	143.4 145.5	145.5 150.0	2.1 4.5			.001 .001		
150.0	173.2	FELSIC TUFF - medium grey; well banded, banding and foliation 55° to core axis. Average Modes Feldspar 30 - 40% Quartz 20 - 30% Biotite 20 - 30% Amphiboles 5 - 10% Pyrrhotite trace, disseminated on foliation planes.	6438 6439	- -	150.0 163.0	153.2 167.0	3.2 4.0			<.001 <.001		

LAMBRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-12 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 oz/ton	ASSAYS oz/ton	
		- 158.8 - 162.0 - intermediate intrusive as 118.2 - 119.0.										
173.2	190.9	MAFIC FLOW - typical										
		- 185.0 - 190.9 - becomes somewhat tuffaceous.										
190.0	212.0	MAFIC TUFF - medium green-grey; well banded, banding and foliation 60° to core axis, moderately well carbonatized.										
		Average Modes										
		Feldspar 30 - 40% Chlorite 20 - 30% Biotite 20 - 30% Quartz 10 - 20% Amphiboles 10 - 20%										
		- 191.3 - 193.0 - 5 - 10% pyrrhotite, 3 - 5% pyrite as coarse stringers and blebs	6440	15	191.3	193.0	1.7			.013		
		- 193.0 - 195.0 - mafic tuff; typical	6441	-	193.0	195.0	2.0			.002		
		- 195.0 - 196.6 - intermediate intrusive; as 118.2 - 119.0	6442	-	195.0	196.6	1.6			<.001		
			6443	-	196.6	198.8	2.2			<.001		
		- 199.0 - chloritic stringer, bleached 3" each side of stringer	6444	-	198.8	202.1	3.3			<.001		
			6445	tr	202.1	204.5	2.4			<.001		
		- 202.5 - 202.8 - quartz vein, 0.5 - 1% pyrrhotite as blebs	6446	-	204.5	207.0	2.5			<.001		
			6447	tr	207.0	209.0	2.0			<.001		
			6448	-	209.0	212.0	3.0			<.001		
		- 202.8 - 204.5 - quartz vein										
		- 205.5 - 206.0 - quartz vein										
		- 207.0 - 209.0 - several 1 - 2" quartz veins with 1 - 2% pyrrhotite as blebs.										
212.0		End of hole.										

LANGRIDGES – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY: DEN LAKE
HOLE NO.: BL-86-13 LENGTH: 317'
LOCATION: L12E 15+31S
LATITUDE: _____ DEPARTURE: _____
ELEVATION: _____ AZIMUTH: 335° DIP: -60°
STARTED: October 29, 1986 FINISHED: October 30, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
317'	-53.7°				

HOLE NO. BL-86-13 SHEET NO. 1 of 2
REMARKS: Summary Log

Claim 570085

LOGGED BY: L.Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION SUMMARY LOG	SAMPLE NO.	SAMPLE LITHOLOGIES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS				
0	12.0	CASING										
12.0	44.2	GREYWACKE - typical.										
44.2	46.5	INTERMEDIATE INTRUSIVE - fine grained, dark grey.										
46.5	92.4	MAFIC FLOW - typical.										
92.4	112.7	MAFIC TUFF - typical.										
112.7	118.2	FELSIC LAPILLI TUFF - matrix dark grey, fine grained, trace disseminated arsenopyrite.										
118.2	120.8	MAFIC TUFF - typical.										
120.8	127.8	FELSIC LAPILLI TUFF - as 112.7 - 118.2.										
127.8	144.3	MAFIC TUFF - typical.										
144.3	151.2	MAFIC FLOW - typical.										
151.2	153.9	MAFIC FLOW - medium green, fine grained, poorly developed banding.										
153.9	186.6	GREYWACKE - typical.										
186.6	248.9	INTERMEDIATE TUFF - typical.										
248.9	252.2	MAFIC FLOW - typical.										
252.2	253.0	INTERMEDIATE TUFF - typical.										
253.0	254.2	MAFIC FLOW - typical.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-13 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 OZ TON	ASSAYS OZ TON	
254.2	257.3	GREYWACKE - typical.										
257.3	260.0	MAFIC FLOW - typical.										
260.0	262.6	INTERMEDIATE INTRUSIVE - as 44.2 - 46.2.										
262.6	267.0	MAFIC TUFF - typical.										
267.0	280.7	INTERMEDIATE TUFF - typical.										
280.7	289.2	MAFIC TUFF - typical.										
289.2	296.2	INTERMEDIATE TUFF - typical.										
296.2	317.0	GREYWACKE - typical.										
317.0		End of Hole.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-13 LENGTH 317'
LOCATION L12E 15+31S
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335° DIP -60°
STARTED October 29, 1986 FINISHED October 30, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
317'	-53.7°				

HOLE NO. BL-86-13 SHEET NO. 1 of 8
REMARKS _____

Claim 570085

LOGGED BY L.Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE LITHOLOGIES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
0	12.0	CASING										
12.0	44.2	GREYWACKE - dark grey; poorly banded, foliated 40° to core axis.										
		Average Modes Quartz 20 - 30% Chlorite 20 - 30% Feldspar 10 - 20% Biotite 10 - 20% Amphiboles 10 - 20%										
		- 12.0 - 27.0 - blocky, broken, limonite stains on fractures	6449	tr	18.2	21.5	3.2			<.001		
		- 19.8 - 19.9 - quartz-carbonate vein with 3 - 5% disseminated pyrite	6450	tr	29.6	31.0	1.4			<.001		
			6451	tr	31.0	32.2	1.2			<.001		
		- 22.0 - 35.0 - trace to 0.5% pyrrhotite blebs on foliation planes	6452	tr	34.5	37.0	2.5			<.001		
			6453	-	41.9	42.8	0.9			<.001		
		- 30.3 - 1/4" wide seam of pyrite										
		- 31.2 - 31.5 - quartz vein										
		- 42.4 - 42.5 - quartz vein										
44.2	46.5	INTERMEDIATE INTRUSIVE - dark grey; fine grained, weakly carbonatized.										
		Average Modes Chlorite 30 - 40%										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-13 SHEET NO 2 of 8

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		Feldspar 20 - 30% Quartz 10 - 20% Amphiboles 10 - 20% Biotite 5 - 10%										
46.5	92.4	MAFIC FLOW - dark green; fine grained, foliated 45° to core axis, quartz-carbonate stringers abundant, occasional biotite rich bands. Pyrite and pyrrhotite are trace, disseminated.										
		- 58.8 - 59.2 - chert band, blue-grey, fine grained	6454	-	58.4	59.6	1.2			<.001		
		- 67.2 - 67.7 - quartz veins, 0.5 - 1% pyrite in mafic flow 3" each side of vein	6455	1	68.3	70.2	1.9			<.001		
		- 77.7 - 79.7 - Mafic Tuff, typical, 0.5 - 1% disseminated pyrrhotite	6456	1	77.7	79.8	2.1			.001		
		- 78.2 - 78.3 - quartz vein										
		- 79.5 - 79.6 - quartz vein										
		- 80.2 - 81.8 - intermediate intrusive as 44.2 - 46.5										
		- 86.0 - 87.7 - intermediate intrusive as 44.2 - 46.5 except biotite is 10 - 20%, trace disseminated pyrrhotite	6457	tr	86.0	87.7	1.7			<.001		
		- 92.1 - 92.4 - quartz vein, trace pyrrhotite as blebs	6458	tr	91.8	93.0	1.2			<.001		
92.4	112.7	MAFIC TUFF - dark grey-green; fine grained, moderately well banded, weakly to moderately carbonatized.										
		Average Modes										
		Chlorite 30 - 40% Biotite 20 - 30% Quartz 10 - 20% Feldspar 10 - 20% Amphiboles 10 - 20% Carbonate ? - 3%										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-13 SHEET NO. 3 of 8

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz Ton	ASSAYS oz Ton	
		- 102.0 - 103.1 - intermediate intrusive, as 44.2 - 46.5										
		- 109.5 - 111.5 - trace disseminated pyrrhotite	6459	tr	109.5	112.0	2.5			<.001		
112.7	118.2	FELSIC LAPILLI TUFF - matrix dark grey, fine grained; clasts medium grey, 2 by 3 mm to 40 by 40 mm, 4 by 20 mm most common size.	6460	tr	112.7	115.3	2.6			<.001		
			6461	tr	115.3	118.2	2.9			<.001		
		Average Modes Quartz 60 - 70% Feldspar 10 - 20% Biotite 10 - 20% Grunerite 5 - 10% as a minor component of the clasts Pyrite trace disseminated Arsenopyrite trace, disseminated, very fine grained										
		- 113.7; 115.1 - fractures at 45° to core axis, pyrite coated										
118.2	120.8	MAFIC TUFF - dark green-brown; fine grained, poorly banded, quartz-feldspar-chlorite bands alternate with biotite rich bands. Contacts between bands are wispy, irregular; pyrite trace, disseminated.										
120.8	127.8	FELSIC LAPILLI TUFF - as 112.7 - 118.2; groundmass is spotted with biotite flakes.										
		- 121.6 - 121.9 - mafic tuff, as 118.2 - 120.8	6462	tr	123.8	127.8	4.0			<.001		
		- 124.5 - pyrite smears on fracture at 52° to core axis										
		- 125.3 - pyrite coated fracture at 60° to core axis.										
127.8	144.3	MAFIC TUFF - as 118.2 - 120.8										
		- 127.8 - 128.7 - 25 - 30% pyrite as stringers and blebs	6463	30	127.8	128.7	0.9			.003		
		- 130.5 - 130.7 - quartz vein with 2 - 3% disseminated pyrite	6464	3	128.7	130.7	2.0			<.001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-13 SHEET NO. 4 of 8

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPH HOLE	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
		- 130.7 - 132.7 - 30 - 35% pyrite as stringers and blebs 2 - 3% disseminated pyrrhotite	6465	38	130.7	132.7	2.0			.003		
		- 132.7 - 141.0 - trace to 0.5% pyrrhotite	6466	0.5	132.7	136.5	3.8			.001		
		- 136.9 - 137.1 - quartz vein	6467	tr	136.5	138.0	1.5			<.001		
		- 138.8 - 138.9 - quartz vein	6468	tr	138.0	142.0	4.0			<.001		
		- 140.2 - 140.7 - pyrite coated fractures at 10° to core axis.										
144.3	151.2	MAFIC FLOW - medium green-grey; fine grained, foliation 45° to core axis, indistinct silicification in several zones, which are also brecciated, carbonatized, in wispy contact with rest of zone. Silicification zones are approximately 50% of section. Fractures consistently 70° to core axis across foliation. Trace pyrite on fractures.	6469	tr	144.3	147.0	2.7			<.001		
			6470	tr	147.0	151.2	4.2			<.001		
151.2	153.9	MAFIC FLOW - medium green; fine grained, foliated 30° to core axis, poorly developed banding, thin biotite stringers associated with quartz stringers, well carbonatized.										
		Average Modes										
		Amphiboles 30 - 40%										
		Chlorite 20 - 30%										
		Biotite 10 - 20%										
		Quartz 10 - 20%										
		Feldspar 10 - 20%										
		Carbonate 2 - 3%										
153.9	186.6	GREYWACKE - medium grey-green; fine to medium grained, foliated 40° to core axis.										
		Average Modes										
		Amphiboles 30 - 40%										
		Chlorite 20 - 30%										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-13 SHEET NO 5 of 8

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		Feldspar 20 - 30% Biotite 10 - 20% Quartz 10 - 20% Carbonate 2 - 3% Pyrrhotite trace disseminated										
		- 153.9 - 172.0 - pyrrhotite, trace to 0.5% disseminated										
		- 163.2 - 165.0 - pyrrhotite 0.5 - 1% as blebs										
		- 163.3 - fracture 30° to core axis, pyrite coated	6471	1	163.0	165.0	2.0			<.001		
		- 169.5 - 169.6 - quartz-carbonate stringer										
		- 169.8 - 170.0 - quartz-carbonate stringer	6472	-	168.5	170.5	2.0			<.001		
		- 174.5 - 175.8 - intermediate intrusive as 44.2 - 46.5										
		- 175.8 - fracture at 65° to core axis with coating of pyrite and pyrrhotite										
		- 184.6 - 184.8 - intermediate intrusive as 44.2 - 46.5	6473	-	184.0	185.4	1.4			.002		
		- 184.8 - 185.2 - 1/2" quartz vein at low angle to core axis, cut at one end by intermediate intrusive.										
186.6	248.9	INTERMEDIATE TUFF - medium grey; poorly to moderately well banded, foliation and banding 50° to core axis.										
		Average Modes										
		Quartz 30 - 40% Feldspar 20 - 30% Biotite 10 - 20% Amphiboles 10 - 20% Chlorite 5 - 10% Pyrite trace - 0.5% disseminated Pyrrhotite trace disseminated										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-13 SHEET NO 6 of 8

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
		- 196.5 - 197.0 - pyrite on fracture sub-parallel to core axis	6474	tr	196.0	197.0	1.0			<.001		
		- 197.5 - 199.0 - 1 - 2% pyrite disseminated on foliation planes	6475	2	197.0	199.5	2.5			<.001		
		- 199.6 - 199.7 - quartz vein, trace to 0.5% pyrite on fractures in vein										
		- 200.1 - 200.2 - quartz vein	6476	tr	199.5	200.7	1.2			.003		
		- 202.3 - 203.1 - pyrite coated fracture parallel to core axis	6477	tr	200.7	203.4	1.7			<.001		
		- 205.7 - 206.0 - quartz vein	6478	-	205.1	207.0	1.9			<.001		
		- 209.4 - pyrite coated fracture 40° to core axis										
		- 210.8 - 222.0 - trace to 0.5% disseminated pyrrhotite										
		- 218.8 - 218.9 - quartz vein	6479	0.5	218.3	219.4	1.1			<.001		
		- 223.2 - 225.4 - intermediate intrusive as 44.2 - 46.5										
		- 232.1 - 233.0 - intermediate intrusive as 44.2 - 46.5										
		- 233.6; 234.5 - pyrite smears on fractures at 65° to core axis	6480	tr	233.1	235.0	1.9			<.001		
		- 239.8 - pyrite coated fracture 55° to core axis	6481	tr	239.4	240.3	0.9			<.001		
		- 246.5 - 248.9 - approaches mafic tuff in composition.										
248.9	252.2	MAFIC FLOW - typical, trace disseminated pyrite.										
252.2	253.0	INTERMEDIATE TUFF - typical										
253.0	254.2	MAFIC FLOW - typical										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. 81-86-13 SHEET NO. 7 of 8

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
254.2	257.3	GREYWACKE - typical										
257.3	260.0	MAFIC FLOW - typical										
260.0	262.6	INTERMEDIATE INTRUSIVE - as 44.2 - 46.5. Fractures 20°, 35° and 50° to core axis, pyrite coated.	6482	tr	260.0	262.6	2.6			<.001		
262.6	267.0	MAFIC TUFF - typical										
		- 264.8 - 265.4 - quartz-feldspar porphyry, typical	6483	-	264.6	265.6	1.0			<.001		
		- 266.2 - pyrite as coarse stringers	6484	tr	265.6	267.0	1.4			<.001		
267.0	280.7	INTERMEDIATE TUFF - typical, trace to 0.5% pyrite, trace to 0.5% pyrrhotite.										
		- 268.0 - fractured, broken, pyrite on fracture surfaces	6485	tr	267.0	268.5	1.5			<.001		
		- 269.0 - 269.2 - quartz vein	6486	tr	268.5	269.6	1.1			<.001		
		- 271.1 - 272.2 - intermediate intrusive as 44.2 - 46.5.										
280.7	289.2	MAFIC TUFF - typical										
289.2	296.2	INTERMEDIATE TUFF - typical										
		- 293.0 - 296.2 - disturbed foliation, trace - 0.5% pyrrhotite	6487	tr	293.0	296.2	3.2			.001		
		- 295.0 - 295.2 - quartz vein at low angle to core axis, 1 - 2% pyrrhotite in blebs										
		- 295.5 - 295.7 - quartz vein.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-13 SHEET NO. 8 of 8

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
296.2	317.0	GREYWACKE - typical									
		- 296.2 - 298.5 - several quartz veins, irregular	6488	tr	296.2	298.5	2.3			<.001	
		- 297.5 - 298.5 - 1" wide quartz vein sub-parallel to core axis. Host rock 5 - 10% disseminated pyrrhotite									
		- 298.5 - 302.5 - 1 - 2% disseminated pyrrhotite	6489	2	298.5	302.5	4.0			<.001	
		- 310.4 - 313.3 - intermediate intrusive as 44.2 - 46.5									
		- 313.3 - 317.0 - trace - 0.5% disseminated pyrrhotite.	6490	0.5	313.3	317.0	3.7			.001	
317.0		End of Hole.									

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-14 LENGTH 260.8'
LOCATION L70E 8+00S
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335° DIP -45°
STARTED October 31, 1986 FINISHED November 1, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
259'	-38.0°				

HOLE NO BL-86-14 SHEET NO. 1 of 1
REMARKS Summary Log

Claim 570072

LOGGED BY L. Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION SUMMARY LOG	SAMPLE NO.	SAMPLE SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
0	17.0	CASING										
17.0	52.0	MAFIC FLOW - typical.										
52.0	59.3	MAFIC TUFF - typical.										
59.3	240.9	MAFIC FLOW - typical.										
		- 236.7 - 236.8 - quartz-carbonate vein with 3-5% tourmaline.										
240.9	250.7	AMPHIBOLITE - typical.										
250.7	260.8	MAFIC FLOW - typical.										
260.8		End of Hole.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-14 LENGTH 260.8'
LOCATION L70E 8+00S
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335° DIP -45°
STARTED October 31, 1986 FINISHED November 1, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
259'	-38.0°				

HOLE NO. BL-86-14 SHEET NO. 1 of 4
REMARKS _____
Claim 570072
LOGGED BY L.Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
0	17.0	CASING										
17.0	52.0	MAFIC FLOW - typical, quartz-carbonate stringers common.										
		- 39.7 - 40.1 - silicified, carbonatized	6491	-	39.3	40.3	1.0			< .001		
		- 47.0 - 47.2 - quartz-carbonate stringer	6492	-	46.5	47.7	1.2			< .001		
52.0	59.3	MAFIC TUFF - dark green; fine grained, moderately well banded, foliation and banding 60° to core axis.										
		Average Modes										
		Chlorite 30 - 40%										
		Biotite 20 - 30%										
		Amphiboles 20 - 30%										
		Quartz 10 - 20%										
		Feldspar 10 - 20%										
		Banding generally fine, 2 - 3 mm biotite-rich bands alternating with chloritic bands.										
		- 52.9 - 53.0 - quartz-carbonate vein 60° to core axis, boudinaged, banding disturbed at boudin contact, clear quartz at boudin contact	6493	-	52.4	53.3	0.9			< .001		
		- 56.3 - small boudinaged quartz vein, banding disturbed at boudin contact.	6494	-	55.9	57.0	1.1			.001		
59.3	240.9	MAFIC FLOW - typical.										
		- 62.7 - trace pyrite and pyrrhotite associated with 1/2" quartz-carbonate vein.	6495	tr	62.1	63.1	1.0			< .001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-14 SHEET NO. 2 of 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON
		- 75.5 - 76.3 - trace disseminated pyrrhotite									
		- 81.6 - 81.9 - quartz-carbonate vein, sub-parallel to core axis	6496	-	81.2	82.5	1.3			<.001	
		- 86.3 - 86.5 - quartz-carbonate stringer	6497	-	85.9	87.0	1.1			<.001	
		- 87.5 - 87.6 - quartz-carbonate vein	6498	-	87.0	87.9	0.9			<.001	
		- 94.2 - 94.4 - quartz-carbonate vein	6499	-	93.8	94.8	1.0			<.001	
		- 105.1 - 105.6 - brecciated by quartz-carbonate stringers									
		- 105.6 - 106.1 - biotite bands, trace - 0.5% disseminated pyrrhotite									
		- 106.1 - 106.6 - brecciated by quartz-carbonate stringers	6500	tr	104.7	107.0	2.3			<.001	
		- 107.6 - 108.2 - 50% quartz-carbonate stringers	16101	-	107.0	108.9	1.9			<.001	
		- 108.2 - 108.6 - quartz-carbonate vein									
		- 126.2 - 126.3 - quartz-carbonate stringer with epidote	16102	-	126.1	128.5	2.4			<.001	
		- 127.4 - 127.6; 128.0 - 128.2 - as 126.2 - 126.3									
		- 130.6 - 130.8 - quartz-carbonate stringers with trace to 0.5% disseminated pyrite in mafic flow									
		- 131.1 - 131.3 - quartz-carbonate vein with epidote	16103	tr	130.3	131.6	1.3			<.001	
		- 134.0 - 134.5 - 50% quartz-carbonate stringers									
		- 134.5 - 135.1 - 0.5 - 1% disseminated coarse pyrite as blebs	16104	tr	133.8	135.3	1.5			.007	
		- 137.3 - 137.4 - quartz-carbonate vein	16105	-	136.7	137.7	1.0			<.001	

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-14 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 OZ/TON	ASSAYS OZ/TON	
		- 140.2 - 140.5 - quartz-carbonate vein	16106	-	139.8	141.0	1.2			<.001		
		- 141.0 - 142.3 - 6 quartz-carbonate veins, 1/4" - 1" wide	16107	-	141.0	142.6	1.6			<.001		
		- 155.6 - 155.8 - 8 quartz-carbonate veins	16108	-	155.0	156.3	1.3			<.001		
		- 156.8 - 157.1 - quartz-carbonate vein	16109	-	156.3	157.6	1.3			<.001		
		- 158.3 - 158.5 - quartz-carbonate vein	16110	-	157.6	159.2	1.6			<.001		
		- 158.6 - 158.8 - quartz-carbonate vein	16111	-	168.6	169.9	1.3			<.001		
		- 169.2 - 169.4 - quartz-carbonate vein	16112	-	176.4	177.4	1.0			.001		
		- 176.7 - 177.0 - quartz-carbonate vein with epidote, minor hematite staining	16113	-	179.4	180.5	1.1			<.001		
		- 179.8 - 180.0 - quartz-carbonate vein										
		- 195.3 - 195.5 - quartz-carbonate stringers with epidote										
		- 195.8 - fracture 35° to core axis with pyrite smears	16114	-	194.7	196.2	1.5			<.001		
		- 200.5 - 200.8 - quartz-carbonate stringers with epidote	16115	-	200.1	201.9	1.8			<.001		
		- 201.3 - 201.5 - quartz-carbonate vein										
		- 205.7 - pyrite coated fracture 45° to core axis	16117	-	205.2	206.2	1.0			<.001		
		- 210.0 - 210.4 - quartz vein	16116	-	209.2	210.9	1.7			<.001		
		- 221.4 - 221.7 - quartz-carbonate stringers with epidote	16118	-	220.7	222.9	2.2			<.001		
		- 221.9 - 222.1 - quartz-carbonate stringer										
		- 230.2 - 230.4 - quartz-carbonate vein	16119	-	229.8	230.8	1.0			<.001		
		- 236.7 - 236.8 - quartz-carbonate vein with 3 - 5% tourmaline.	16120	-	236.3	237.3	1.0			<.001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-14 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 oz/ton	ASSAYS oz ton
240.9	250.7	AMPHIBOLITE - dark green; coarse grained, poorly banded, banding and foliation 45° to core axis. Banding outlined by infrequent biotite-rich bands, and by frequent quartz-carbonate stringers; infrequent chloritic bands with well developed 2 - 3 mm euhedral amphiboles, pyrrhotite trace-0.5% in the chloritic bands. Average Modes Amphiboles 60 - 70% Chlorite 20 - 30% Biotite 10 - 15% Quartz 5 - 10% Feldspar 3 - 5% Carbonate 1 - 2% Pyrrhotite trace - 0.5% disseminated - 248.3 - 248.5 - quartz-carbonate vein. - 249.1 - 249.5 - quartz-carbonate vein. - 250.2 - 250.3 - quartz-carbonate vein.	16121	0.5	247.0	250.7	3.7			.001	
250.7	260.8	MAFIC FLOW - typical. - 255.8 - disseminated pyrite on fracture 30° to core axis. - 256.0 - pyrite smears on fracture 35° to core axis. - 257.0 - pyrite coated fracture 45° to core axis.	16122	tr.	255.2	257.6	2.4			.001	
260.8		End of Hole.									

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-15 LENGTH 255'
LOCATION L66E 12+00S
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335° DIP -45°
STARTED November 1, 1986 FINISHED November 2, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
255'	-43.2°				

HOLE NO. BL-86-15 SHEET NO. 1 of 2
REMARKS Summary Log

Claim 570072

LOGGED BY L.Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION SUMMARY LOG	SAMPLE NO.	SAMPLE SULPHIDES %	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/TON	ASSAYS oz/TON	
0	47.0	CASING										
47.0	54.2	MAFIC TO INTERMEDIATE TUFF - typical.										
54.2	97.0	GREYWACKE - typical.										
97.0	101.0	BANDED IRON FORMATION - medium grained, fine grained, bands tend to be wispy, poorly defined. 2-3% pyrite.										
101.0	101.9	GREYWACKE - typical.										
101.9	103.4	BANDED IRON FORMATION - as 97.0 - 101.0.										
103.4	122.1	GREYWACKE - typical.										
122.1	158.2	GREYWACKE - medium to dark grey, fine grained, 1-2% disseminated very fine grained magnetite	16132	tr	127.0	129.5	2.5			.026		
158.2	159.1	MAFIC TUFF - typical.										
159.1	175.6	QUARTZ-FELDSPAR PORPHYRY - typical.										
175.6	178.3	MAFIC TUFF - typical.										
178.3	179.4	BANDED IRON FORMATION - dark grey, very fine grained, well banded.										
179.4	183.3	MAFIC TUFF - typical.										
183.3	200.0	MAFIC FLOW - typical.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-15 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 oz/ton	ASSAYS oz/ton	
200.0	219.1	GREYWACKE - typical.										
219.1	221.3	ARGILLACEOUS SEDIMENT - very fine grained, medium to dark grey-brown.										
221.3	255.0	MAFIC TUFF - typical.										
255.0		End of Hole.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-15 LENGTH 255'
LOCATION L66E 12+00S
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335° DIP -45°
STARTED November 1, 1986 FINISHED November 2, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
255'	-43.2°				

HOLE NO. BL-86-15 SHEET NO. 1 of 5
REMARKS
Claim 570072
LOGGED BY L.Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SULPHIDES	FOOTAGE FROM	FOOTAGE TO	FOOTAGE TOTAL	ASSAYS %	%	oz/TON	oz/TON	
0	47.0	CASING										
47.0	54.2	MAFIC TO INTERMEDIATE TUFF - medium to dark grey; fine to very fine grained, well banded. Banding and foliation 45° to core axis. Very fine grained biotite bands 2 - 10 mm wide alternate with cherty bands. Average Modes Biotite 20 - 30% Quartz 20 - 30% Amphiboles 15 - 20% Feldspar 10 - 20% Chlorite 5 - 10% - 51.0 - 52.0 - trace to 0.5% pyrrhotite.	16123	0.5	50.6	52.0	1.4			<.001		
54.2	97.0	GREYWACKE - medium to dark grey; fine grained, poorly banded. Banding and foliation 55° to core axis. Trace disseminated pyrrhotite on foliation planes. Average Modes Chlorite 20 - 30% Quartz 20 - 30% Biotite 10 - 20% Amphiboles 10 - 20% Feldspar 10 - 20% - 92.0 - 92.3 - broken, fractured, pyrite on fractures.	16124	tr	91.5	92.7	1.2			<.001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-15 SHEET NO. 2 of 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
97.0	101.0	BANDED IRON FORMATION - medium grey; fine grained, moderately well banded at 50° to core axis. Bands tend to be wispy, poorly defined. Magnetite bands less than 1/2" wide, well carbonatized. Quartz includes chert as well as quartz stringers.	16125	3	97.0	101.0	4.0			.006		
		Average Modes Quartz 30 - 40% Amphiboles 20 - 30% Feldspar 10 - 20% Magnetite 10 - 15% Carbonate 3 - 5% Chlorite 3 - 5% Biotite 3 - 5% Pyrite 2 - 3%										
		- 99.0 - 100.3 - 2 - 3% pyrite in fine stringers										
		- 99.7 - 100.4 - fracture sub-parallel to core axis.										
101.0	101.9	GREYWACKE - as 54.2 - 97.0.	16126	tr	101.0	101.9	0.9			<.001		
101.9	103.4	BANDED IRON FORMATION - as 97.0 - 101.0; 1 - 2% pink, anhedral, poikiloblastic garnets.	16127	3	101.9	103.4	1.5			.008		
103.4	122.1	GREYWACKE - as 54.2 - 97.0										
		- 106.8 - 3 - 5% disseminated pyrrhotite in small band	16128	1	106.2	107.2	1.0			<.001		
		- 110.8 - 1/2" wide band with 2 - 3% disseminated pyrrhotite.	16129	1	110.3	111.3	1.0			<.001		
122.1	158.2	GREYWACKE - as 54.2 - 97.0; except for mild magnetism due to 1 - 2% disseminated, very fine grained, magnetite.	16130	-	122.1	123.5	2.4			<.001		
			16131	-	123.5	127.0	3.5			<.001		
		- 130.0 - 130.3 - pyrite coat on fracture at 10° to core axis	16132	tr	127.0	129.5	2.5			.026		
			16133	-	129.5	130.7	1.2			.008		
		- 149.2 - 151.0 - mafic intrusive, dark grey, fine grained, moderately well carbonatized	16134		142.1	147.0	4.9			.009		
			16135	-	149.2	151.0	1.8			<.001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-15 SHEET NO. 3 of 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON	
		Average Modes Amphiboles 40 - 50% Feldspar 10 - 20% Chlorite 5 - 10% Biotite 5 - 10% Quartz 5 - 10%										
		- 156.5 - 158.2 - 1 - 2% disseminated pyrrhotite blebs	16136	tr	156.5	158.2	1.7			<.001		
158.2	.1	MAFIC TUFF - dark grey-green; moderately well banded, banding and foliation 58° to core axis, moderately well carbonatized.	16137	-	158.2	159.2	1.0			.001		
		Average Modes Biotite 20 - 30% Quartz 20 - 30% Chlorite 10 - 20% Amphiboles 10 - 20% Feldspar 10 - 20%										
159.1	175.6	QUARTZ-FELDSPAR PORPHYRY - medium grey; foliated 40° to core axis, phenocrysts 1 - 2 mm 15 - 20% of section, predominantly quartz.	16138	tr	159.1	163.8	4.7			<.001		
			16139	tr	163.8	165.8	2.0			<.001		
			16140	tr	165.8	167.0	1.2			<.001		
			16141	tr	167.0	170.3	3.3			<.001		
			16142	tr	170.3	173.5	3.2			<.001		
			16143	tr	173.5	174.7	1.2			<.001		
			16144	tr	174.7	175.3	0.6			<.001		
		Average Modes Quartz 70 - 80% Feldspar 20 - 30% Biotite 5 - 10% Pyrite trace										
		Pyrite disseminated as smears on foliation planes. Moderately carbonatized.										
		- 159.1 - 164.0 - phenocrysts 3 - 5%										
		- 166.5 - 166.6 - quartz-carbonate vein, trace disseminated pyrite, 1 - 2% epidote										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-15 SHEET NO. 4 of 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ TON	ASSAYS OZ TON	
		- 173.6 - 174.2 - mafic tuff, typical.										
175.6	178.3	MAFIC TUFF - as 158.2 - 159.1	16145	1	175.6	178.3	1.7			<.001		
		- 177.9 - 178.3 - quartz-carbonate vein with 0.5 - 1% disseminated pyrrhotite.										
178.3	179.4	BANDED IRON FORMATION - dark grey; very fine grained, well banded.	16146	tr	178.3	179.4	1.1			<.001		
		Average Modes Magnetite 50 - 60% Chert 20 - 30% Chlorite 10 - 20% Amphiboles 5 - 10% Pyrrhotite trace disseminated										
179.4	183.3	MAFIC TUFF - dark green-brown; poorly banded, abundant quartz-carbonate stringers, foliated 58° to core axis.	16147	tr	179.4	183.3	3.9			<.001		
		Average Modes Biotite 30 - 40% Chlorite 30 - 40% Quartz 10 - 20% Feldspar 10 - 20% Amphiboles 10 - 15% Pyrite trace disseminated										
183.3	200.0	MAFIC FLOW - typical. Contact at 200.0 gradational from 197.7 - 200.3. Contact zone brecciated, with 1 - 2 cm angular chloritic clasts, separated by quartz-carbonate.										
200.0	219.1	GREYWACKE - typical										
		- 206.5 - 208.5 - 0.5 - 1% pyrrhotite blebs.	16148	-	206.4	208.6	2.0			<.001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-15 SHEET NO. 5 of 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
219.1	221.3	ARGILLACEOUS SEDIMENT - gradational contact at 219.1, very fine grained, medium to dark grey-brown, cherty horizons common.	16149	-	219.1	221.3	2.2			<.001	
		Average Modes Chert 20 - 30% Biotite 20 - 30% Chlorite 20 - 30% Quartz 10 - 20%									
221.3	255.0	MAFIC TUFF - dark green-brown; fine grained, moderately well banded, foliation and banding 60° to core axis.									
		Average Modes Biotite 30 - 40% Chlorite 20 - 30% Amphiboles 10 - 20% Quartz 10 - 20% Feldspar 10 - 20%									
		- 241.4 - 241.9 - 1/2" wide zone of foliation parallel to core axis. Possible shear.	16150	-	241.0	242.2	1.2			<.001	
255.0		End of Hole.									

LANGSTAFF GEOS – TORONTO – 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-16 LENGTH 296'
LOCATION 1.60E 8+00S
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335° DIP -45°
STARTED November 2, 1986 FINISHED November 3, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
296'	-40.7°				

HOLE NO. BL-86-16 SHEET NO. 1 of 1
REMARKS Summary Log

Claim 570073

LOGGED BY L.Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION SUMMARY LOG	SAMPLE NO.	SAMPLE SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS OZ/TON	ASSAYS OZ/TON
0	77.0	CASING									
77.0	113.8	GREYWACKE - typical.									
113.8	116.4	CHERTY SEDIMENT - light grey, very fine grained.									
116.4	117.8	MAFIC TUFF - typical.									
117.8	121.0	GRAPHITIC SEDIMENT - grey-black, very fine grained, well banded.									
121.0	124.4	BANDED IRON FORMATION - medium to dark grey, very fine grained, well banded, trace to 0.5% pyrite.									
124.4	129.5	INTERMEDIATE TUFF - typical.									
129.5	145.1	FELSIC TUFF - typical.									
145.1	212.7	GREYWACKE - typical.									
212.7	217.4	INTERMEDIATE INTRUSIVE - dark grey, fine to medium grained.									
217.4	225.4	GREYWACKE - typical.									
225.4	254.6	INTERMEDIATE TUFF - typical.									
254.6	296.0	GREYWACKE - typical.									
296.0		End of Hole.									

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE
HOLE NO. BL-86-16 LENGTH 296'
LOCATION L60E 8+00S
LATITUDE _____ DEPARTURE _____
ELEVATION _____ AZIMUTH 335° DIP -45°
STARTED November 2, 1986 FINISHED November 3, 1986

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
296'	-40.7°				

HOLE NO. BL-86-16 SHEET NO. 1 of 7
REMARKS _____

Claim 570073

LOGGED BY L. Jones

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SULPHIDES %	FOOTAGE FROM	FOOTAGE TO	FOOTAGE TOTAL	ASSAYS %	%	oz/TON	oz/TON	
0	77.0	CASING										
77.0	113.8	GREYWACKE - medium to dark green; moderately well banded, quartz-carbonate stringers abundant.										
		Average Modes										
		Chlorite 30 - 40%										
		Amphiboles 20 - 30%										
		Biotite 10 - 20%										
		Quartz 10 - 20%										
		Feldspar 0 - 20%										
		Carbonate 1 - 2%										
		Pyrrhotite trace										
		Pyrrhotite concentrated in infrequent bands with chlorite and coarse amphiboles.										
		- 87.2 - 87.3 - chlorite-amphibole-pyrrhotite band	16151	tr	86.6	87.9	1.3			<.001		
		- 90.0 - chlorite-amphibole-pyrrhotite band	16152	tr	89.8	92.5	2.7			<.001		
		- 91.4 - 91.5 - chlorite-amphibole-pyrrhotite band	16153	tr	94.0	95.2	1.2			<.001		
		- 91.7 - 91.8 - chlorite-amphibole-pyrrhotite band	16154	1	105.0	107.0	2.0			<.001		
		- 92.0 - 92.1 - chlorite-amphibole-pyrrhotite band										
		- 94.4 - 94.5 - chlorite-amphibole-pyrrhotite band										
		- 105.5 - 106.5 - 0.5 - 1% disseminated pyrrhotite.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-16 SHEET NO. 2 of 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH (DES)	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS		ASSAYS	ASSAYS	
								%	%	OZ TON	OZ TON	
113.8	116.4	CHERTY SEDIMENT - light grey; very fine grained, minor banding at 55° to core axis, broken, fractured. Average Modes Chert 70 - 80% Chlorite 10 - 15% Amphiboles 10 - 15% Pyrite 3 - 5% Pyrrhotite trace on fractures	16155	5	113.8	116.4	2.6			.001		
116.4	117.	MAFIC TUFF - dark green-brown; fine grained, well banded, banding, foliation 50° to core axis, fractured, broken. Fractures at 20° to 50° to core axis. Bands 1 - 5 mm wide. Average Modes Chlorite 20 - 30% Biotite 30 - 40% Amphiboles 10 - 20% Feldspar 10 - 20% Quartz 10 - 20%	16156	-	116.4	117.8	1.4			.003		
117.8	121.0	GRAPHITIC SEDIMENT - grey-black; very fine grained, well banded, foliation and banding vary from 55° to 35° to core axis, with 55° to core axis at 118.0, and 35° to core axis at 121.0. Bands 1 - 2 mm, graphite, quartz-carbonate, biotite and chlorite. Average Modes Graphite 30 - 40% Biotite 10 - 20% Chlorite 10 - 20% Quartz 15 - 20% Feldspar 5 - 10% Carbonate 2 - 3% Pyrite trace - 0.5% disseminated	16157	0.5	117.8	121.0	3.2			.002		
		- 118.6 - 118.7 - quartz stringer, 1 - 2% pyrite on fractures.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-16 SHEET NO. 3 of 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton
121.0	124.4	BANDED IRON FORMATION - medium to dark grey; very fine grained, well banded, bands very fine 1 - 2 mm. Banding and foliation 60° to core axis. Grunerite forms very fine rims on magnetite bands. Average Modes Chert 40 - 50% Magnetite 20 - 30% Grunerite 5 - 10% Chlorite 5 - 10% Pyrite trace - 0.5% disseminated	16158	0.5	121.0	124.4	3.4			.003	
124.4	129.5	INTERMEDIATE TUFF - medium to dark grey; fine to very fine grained, finely banded at 55° to core axis. Bands 1 - 2 mm wide. Average Modes Quartz 30 - 40% Feldspar 30 - 40% Biotite 5 - 10% Chlorite 5 - 10% Mineral percentages uncertain, due to very fine grained nature of unit.	16159	-	124.4	129.5	5.1			<.001	
129.5	145.1	FELSIC TUFF - medium to light grey; very fine grained, very finely banded. Average Modes Quartz 40 - 50% Feldspar 40 - 50% Biotite 3 - 5% Pyrite trace disseminated Pyrrhotite trace disseminated Amphiboles 3 - 5% Percentages and composition uncertain, due to very fine grained nature of unit.	16160	tr	129.5	132.9	3.4			<.001	
			16161	tr	132.9	137.0	4.1			<.001	
			16162	tr	137.0	141.0	4.0			<.001	
			16163	tr	141.0	145.1	4.1			<.001	

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-16 SHEET NO. 4 of 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS				
								%	%	OZ/TON	OZ/TON	
145.1	212.7	GREYWACKE - medium grey; fine grained, banding and foliation 50° to core axis.	16164	tr	149.0	151.0	2.0			<.001		
			16165	tr	151.0	153.0	2.0			<.001		
		Average Modes	16166	tr	158.8	160.6	1.8			<.001		
		Quartz 30 - 40%										
		Biotite 20 - 30%										
		Feldspar 20 - 30%										
		Amphiboles 10 - 20%										
		Chlorite 10 - 20%										
		Pyrite trace - 0.5% disseminated										
		Pyrrhotite trace - 0.5% disseminated										
		- 168.8 - 168.9 - quartz stringer	16167	tr	168.1	169.2	1.1			<.001		
		- 171.2 - 172.2 - 5 quartz stringers 1/4" - 1 1/2" wide	16168	tr	170.9	172.4	1.5			<.001		
		- 173.5 - 173.8 - 3 quartz stringers 1/2" wide	16169	tr	172.4	175.8	3.4			<.001		
		- 174.4 - 174.5 - quartz stringer, 40 - 50% fine chlorite	16170	tr	177.5	179.0	1.5			<.001		
		- 178.1 - 178.2 - quartz stringer	16171	tr	179.0	181.4	2.4			<.001		
		- 179.4 - 180.3 - 5 quartz stringers 1/2" - 1" wide	16172	tr	181.4	183.7	2.3			<.001		
		- 180.6 - 180.8 - quartz stringer	16173	tr	189.4	191.5	2.1			<.001		
		- 182.2 - 182.5 - discontinuous quartz stringers	16174	tr	209.1	210.4	1.3			<.001		
		- 189.7 - 189.8 - quartz stringer	16175	tr	210.4	212.1	1.7			<.001		
		- 190.1 - 190.7 - discontinuous quartz stringers										
		- 209.7 - 209.8 - quartz stringers										
		- 210.8 - 211.8 - foliation parallel to core axis.										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-16 SHEET NO. 5 of 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPHIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS				
								%	%	oz ton	oz ton	
212.7	217.4	INTERMEDIATE INTRUSIVE - dark grey; fine to medium grained, disseminated carbonate, moderately well carbonatized, no foliation.	16176	tr	212.7	217.4	4.7			<.001		
		Average Modes Feldspar 20 - 30% Amphiboles 20 - 30% Quartz 10 - 20% Biotite 10 - 20% Chlorite 10 - 20% Pyrite trace - 0.5% finely disseminated										
217.4	225.4	GREYWACKE - as 145.1 - 212.7										
		- 219.3 - 219.6 - quartz vein	16177	-	218.9	220.2	1.3			<.001		
		- 222.0 - 222.1 - quartz vein, trace disseminated pyrrhotite.	16178	tr	221.5	222.5	1.0			<.001		
225.4	254.6	INTERMEDIATE TUFF - dark grey-brown; fine to medium grained, well banded, bands fine, 1 - 2 mm; foliation, banding at 35° to core axis. 3 - 5% 1 - 2 mm quartz phenocrysts.										
		Average Modes Biotite 30 - 40% Quartz 20 - 30% Feldspar 20 - 30% Chlorite 10 - 20% Amphiboles 10 - 20% Pyrite trace finely disseminated										
		- 231.3 - 232.1 - quartz vein, 30 - 40% chlorite	16179	-	230.9	233.9	3.0			<.001		
		- 232.6 - 232.8 - quartz vein, 20 - 30% chlorite										
		- 233.3 - 233.6 - quartz vein										
		- 240.0 - 240.2 - quartz vein	16180	-	239.1	240.6	1.5			<.001		

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-16 SHEET NO. 6 of 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS %	ASSAYS %	ASSAYS oz/ton	ASSAYS oz/ton	
		- 240.5 - foliation 25° to core axis										
		- 242.4 - 242.5 - quartz vein	16181	-	241.9	243.0	1.1			<.001		
		- 244.8 - 245.0 - quartz vein	16182	-	244.4	246.0	1.6			<.001		
		- 246.3 - 247.7 - 40% quartz stringers, 1/4" - 1" wide stringers	16183	-	246.0	248.0	2.0			<.001		
		- 253.7 - 253.8 - quartz vein with trace pyrite as blebs.	16184	tr	253.2	254.2	1.0			<.001		
254.6	296.0	GREYWACKE - dark grey-brown; fine grained, foliated 40° to core axis										
		Average Modes										
		Biotite 30 - 40% Amphiboles 10 - 20% Quartz 10 - 20% Feldspar 10 - 20% Chlorite 5 - 10% Garnets trace Pyrite trace disseminated										
		- 258.5 - 258.6 - quartz vein	16185	-	258.0	259.0	1.0			<.001		
		- 261.4 - 264.4 - partially leached zone, medium grey-green, leucocratic areas 2 - 3 mm, wispy, against melanocratic background; well carbonatized	16186	-	259.0	261.4	2.4			<.001		
			16187	-	261.4	262.7	1.3			<.001		
		- 263.1 - 263.2 - shear zone, well foliated, friable, strongly carbonatized	16188	-	262.7	263.8	1.1			<.001		
			16189	-	263.8	267.0	3.2			<.001		
		- 262.5 - 263.8 - strongly fractured										
		- 265.3 - 265.4 - quartz vein										
		- 266.4 - 266.6 - quartz vein										

DIAMOND DRILL RECORD

NAME OF PROPERTY BEN LAKE

HOLE NO. BL-86-16 SHEET NO 7 of 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	SAMPLE % SULPH IDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	ASSAYS				
		- 266.6 - 278.5 - intermediate tuff as 225.4 - 254.6										
		- 272.4 - 273.0 - quartz vein, trace disseminated pyrite	16190	tr	271.4	273.7	2.3			<.001		
		- 286.8 - 287.0 - chloritic zone with wispy quartz-carbonate stringers	16191	-	286.3	287.5	1.2			<.001		
		- 292.3 - 292.6 - foliation disturbed, fine quartz-carbonate stringers in disturbed zone.	16192	-	291.7	293.0	1.3			<.001		
296.0		End of Hole.										

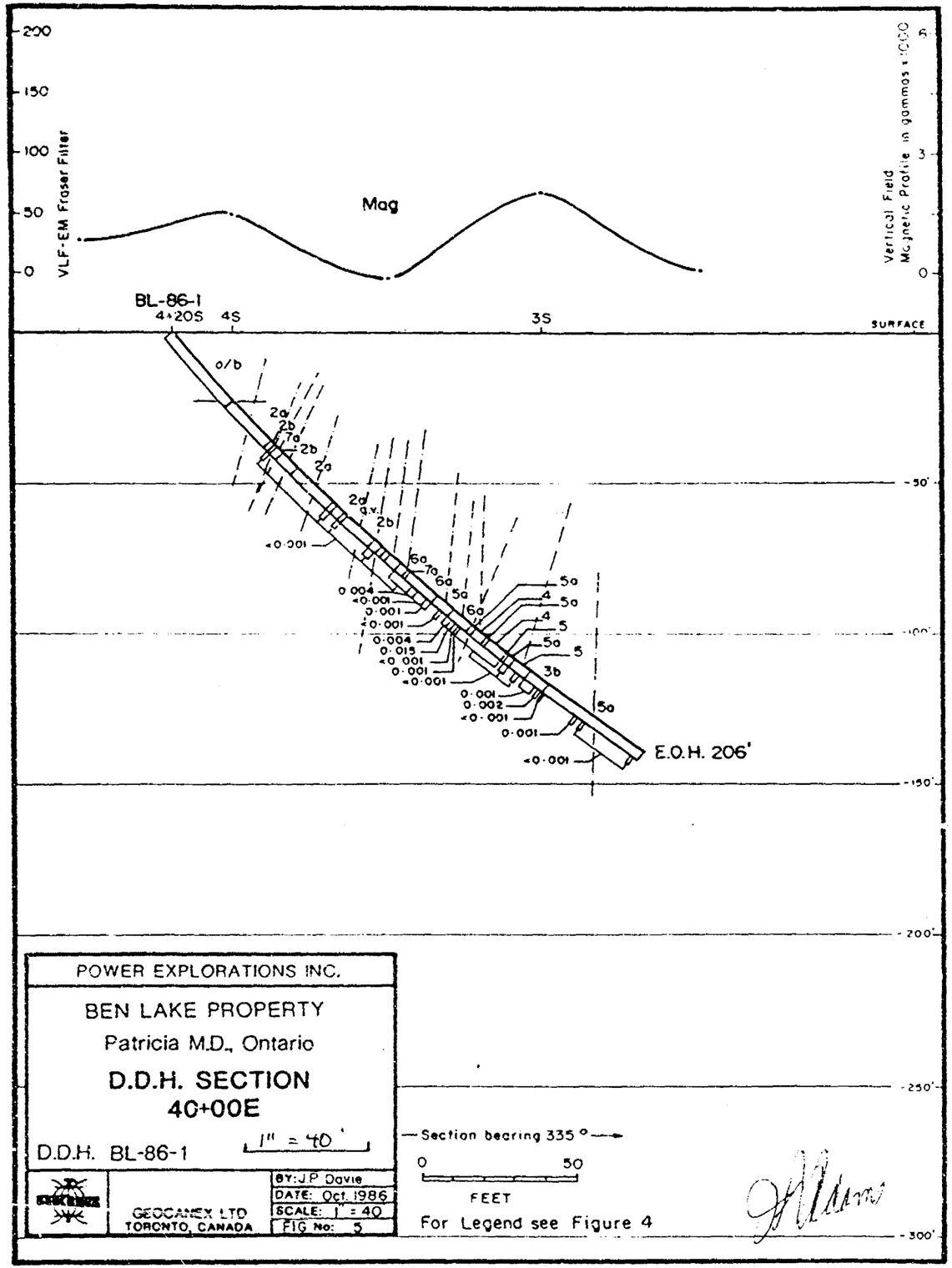
LAMBERDEES – TORONTO – 366-1168

APPENDIX D

DRILL SECTIONS AND LEGEND

APPENDIX D

DRILL SECTIONS AND LEGEND



POWER EXPLORATIONS INC.

BEN LAKE PROPERTY

Patricia M.D., Ontario

D.D.H. SECTION 40+00E

D.D.H. BL-86-1 1" = 40'

GEOCANEX LTD TORONTO, CANADA

BY: J.P Davie
DATE: Oct. 1986
SCALE: 1 = 40
FIG No: 5

Section bearing 335° →

0 50

FEET

For Legend see Figure 4

LEGEND FOR DIAMOND DRILL HOLE SECTIONS FOR THE BEN LAKE PROPERTY

Pickle Lake Area, 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

Geological contact

Bedding

Foliation

Fault, shear zone

Sample interval (feet) with gold assay in ounces per ton

Lost core LC

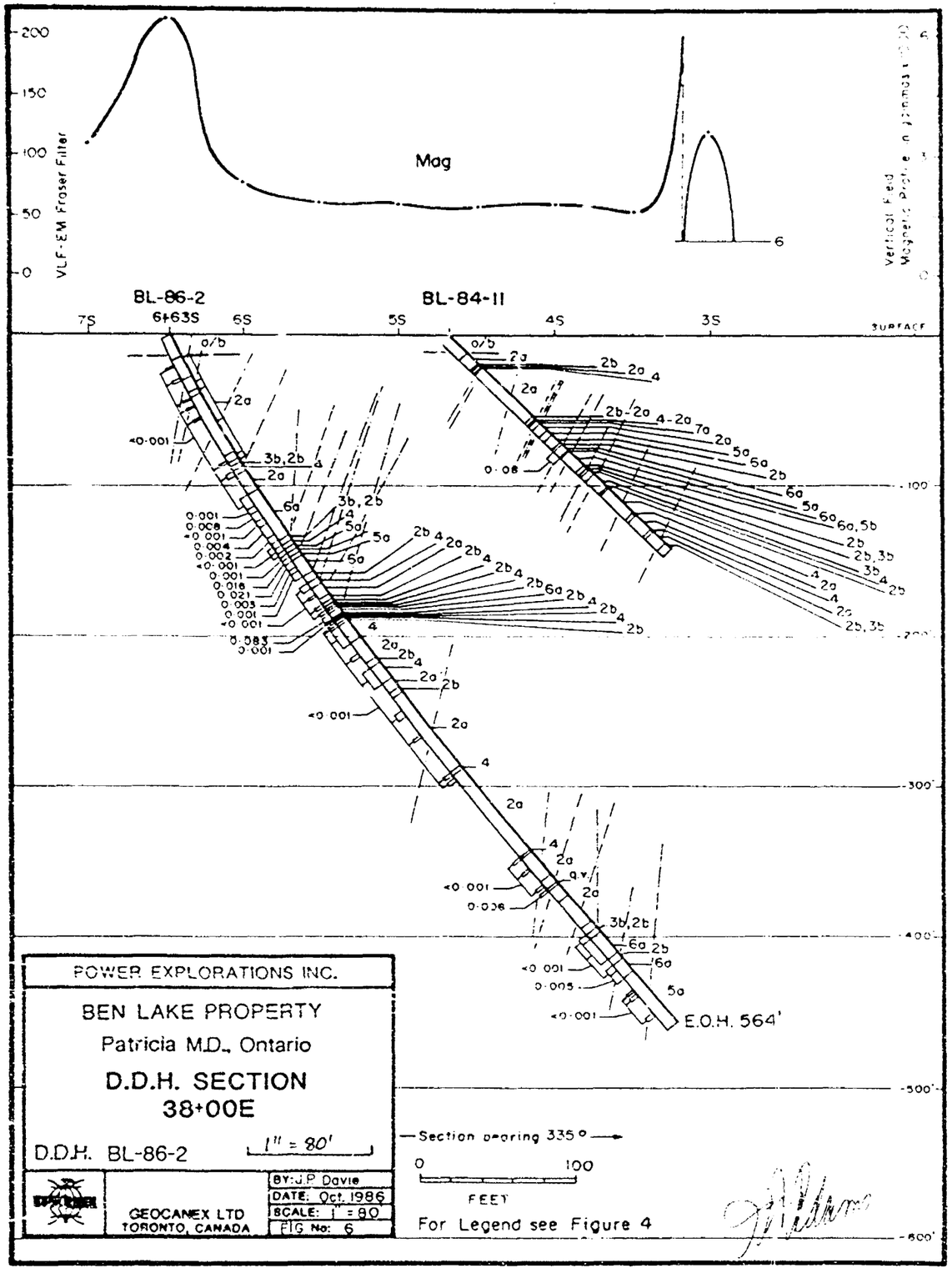
Alteration

- 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
- gl - Graphite

Fig. 4



LEGEND FOR DIAMOND DRILL HOLE SECTIONS FOR THE BEN LAKE PROPERTY

Pickle Lake Area, 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 ..... 5 / 4

Bedding .....

Foliation .....

Fault, shear zone .....

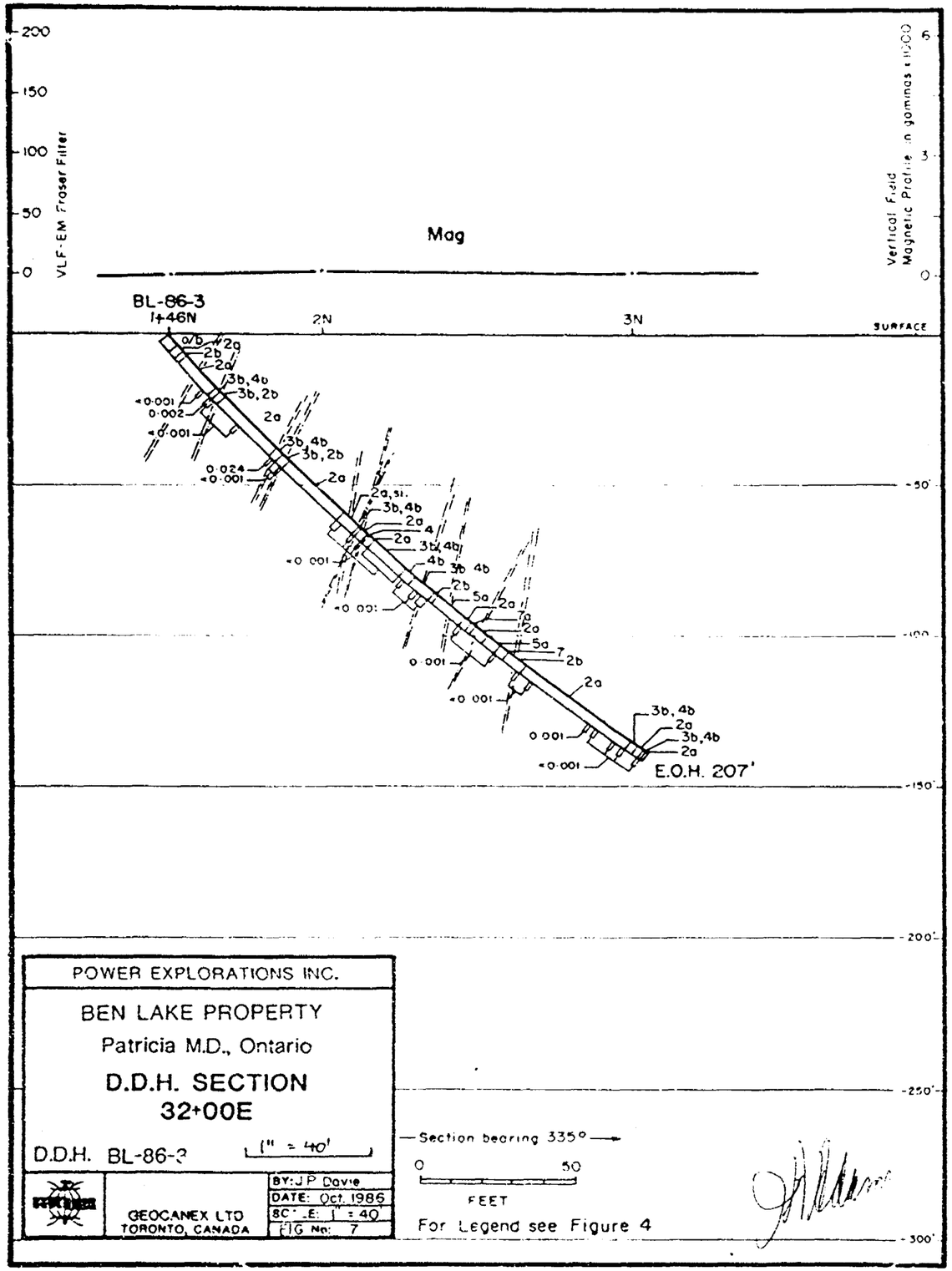
Sample interval (feet) with gold assay in ounces per ton ..... 0.01 / 3.0

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

Fig. 4



LEGEND FOR DIAMOND DRILL HOLE SECTIONS FOR THE BEN LAKE PROPERTY

Pickle Lake Area, 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

Geological contact

Bedding

Foliation

Fault, shear zone

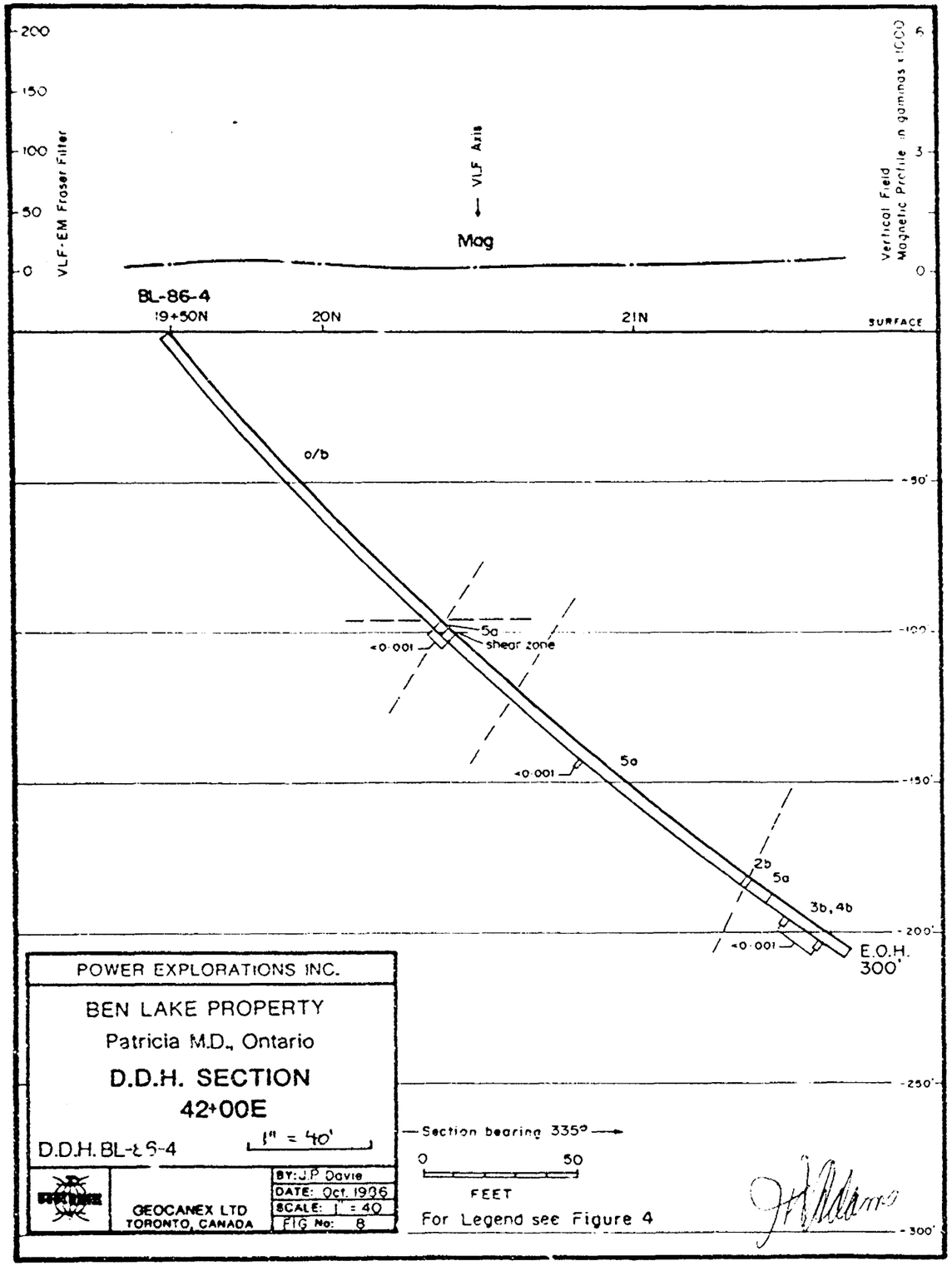
Sample interval (feet) with gold assay in ounces per ton

Lost core

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

Fig. 4



LEGEND FOR DIAMOND DRILL HOLE SECTIONS FOR THE BEN LAKE PROPERTY

Pickle Lake Area, 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

Geological contact

Bedding

Foliation

Fault, shear zone

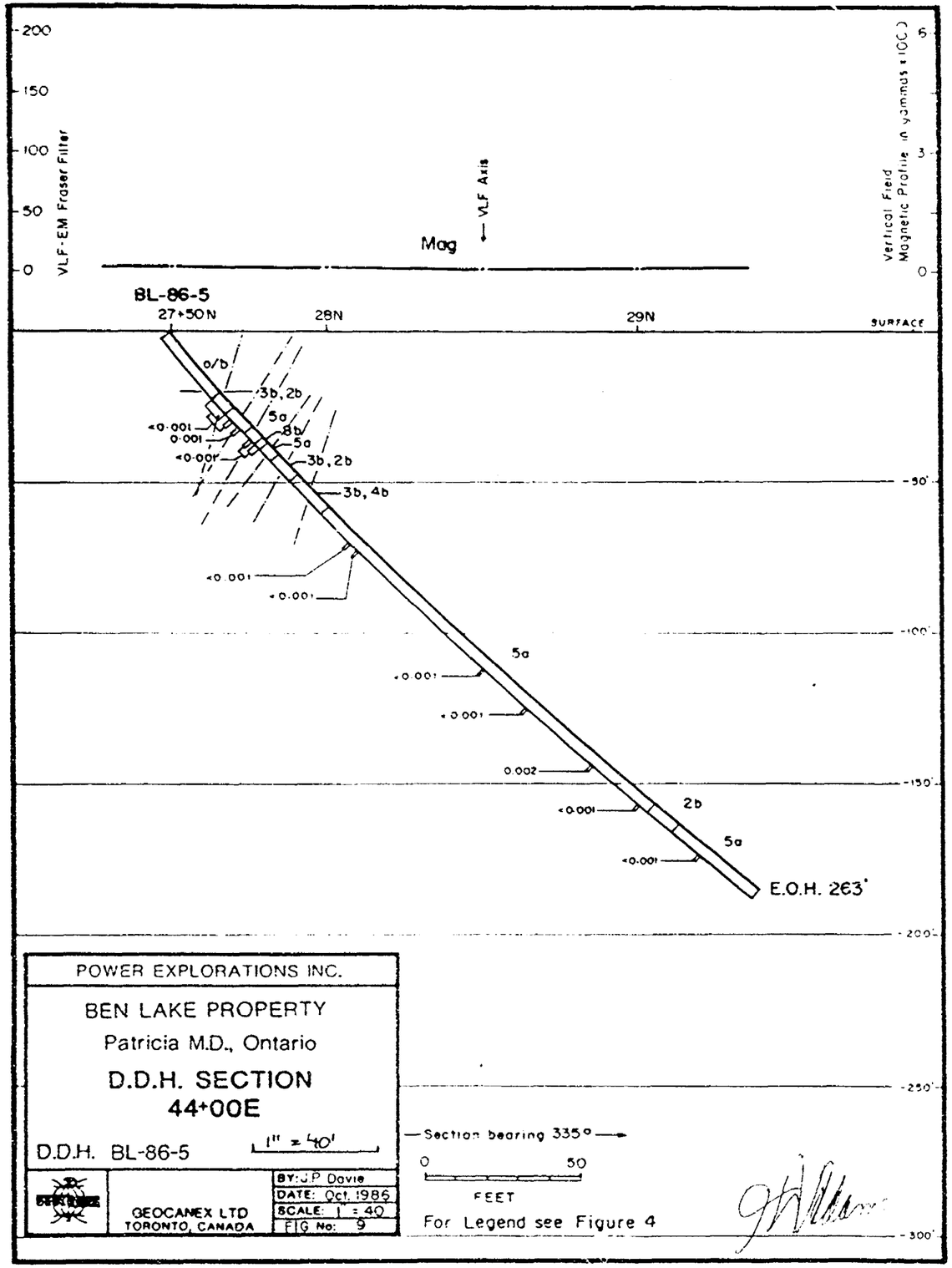
Sample interval (feet) with gold assay in ounces per ton

Lost core

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

Fig. 4



LEGEND FOR DIAMOND DRILL HOLE SECTIONS FOR THE BEN LAKE PROPERTY

Pickle Lake Area, 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 ..... 5 / 4

Bedding .....

Foliation .....

Fault, shear zone .....

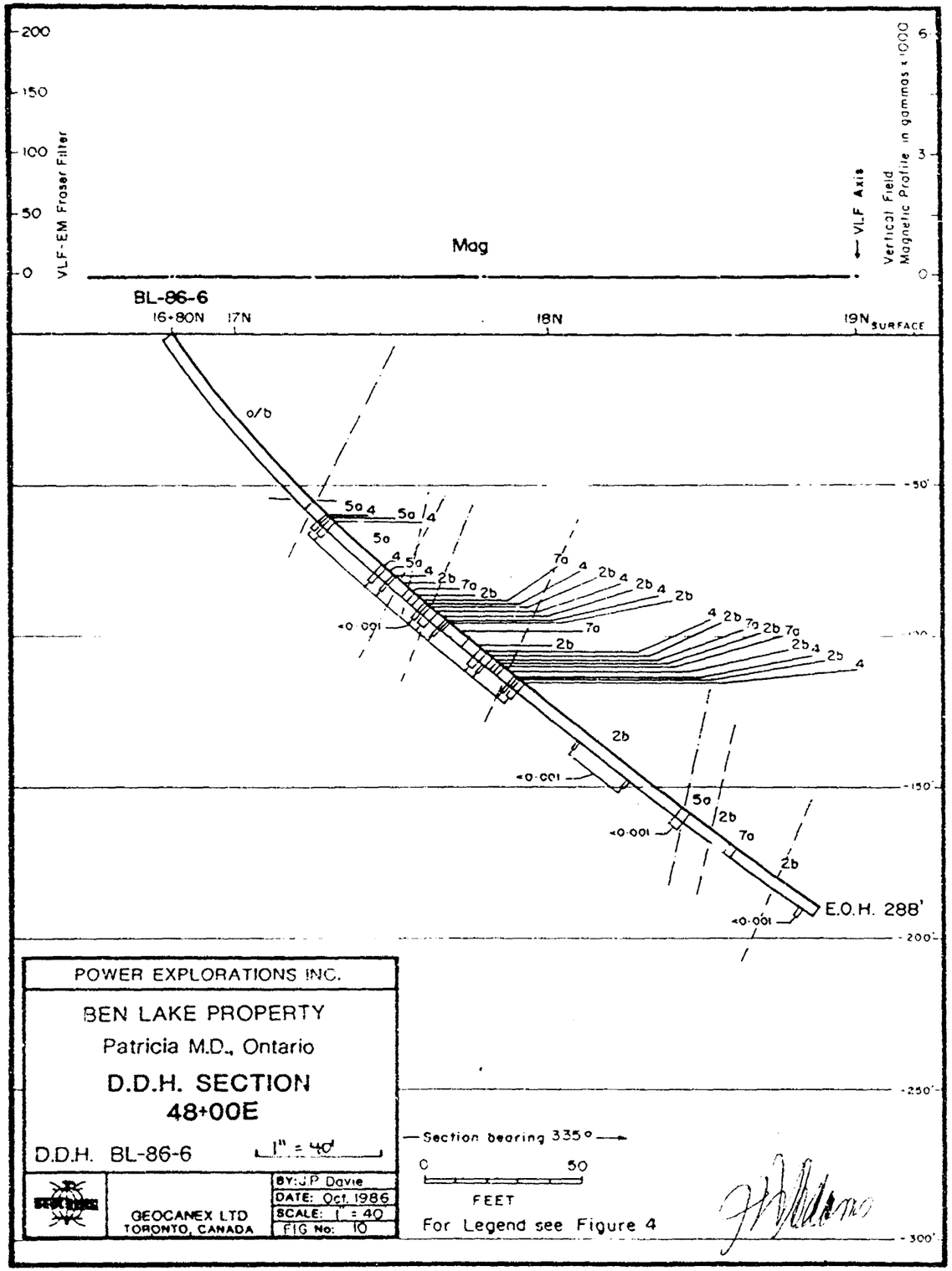
Sample interval (feet) with gold assay in ounces per ton ..... 0.01 / 3.0

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

Fig. 4



POWER EXPLORATIONS INC.		
BEN LAKE PROPERTY Patricia M.D., Ontario **D.D.H. SECTION 48+00E** D.D.H. BL-86-6 1" = 40'		
GEOCANEX LTD TORONTO, CANADA	BY: J.P. Davie DATE: Oct. 1986 SCALE: 1" = 40' FIG No: 10	

Section bearing 335°

0 50

FEET

For Legend see Figure 4

LEGEND FOR DIAMOND DRILL HOLE SECTIONS FOR THE BEN LAKE PROPERTY

Pickle Lake Area, 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

Geological contact

Bedding

Foliation

Fault, shear zone

Sample interval (feet) with gold assay in ounces per ton

Lost core

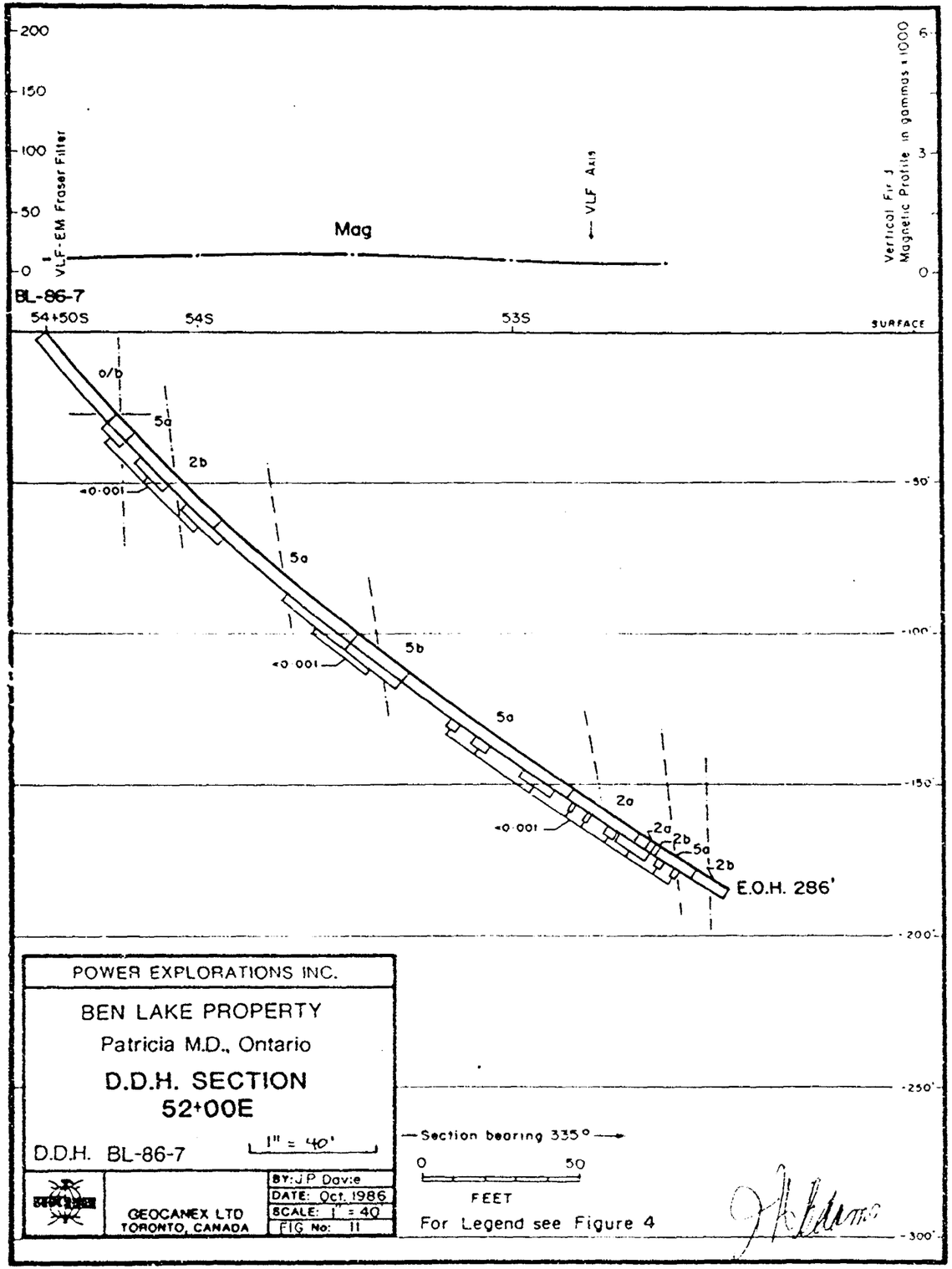
Alteration

- 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

Fig. 4



LEGEND FOR DIAMOND DRILL HOLE SECTIONS FOR THE BEN LAKE PROPERTY

Pickle Lake Area, 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
- Geological contact
- Bedding
- Foliation
- Fault, shear zone
- Sample interval (feet) with gold assay in ounces per ton
- Lost core

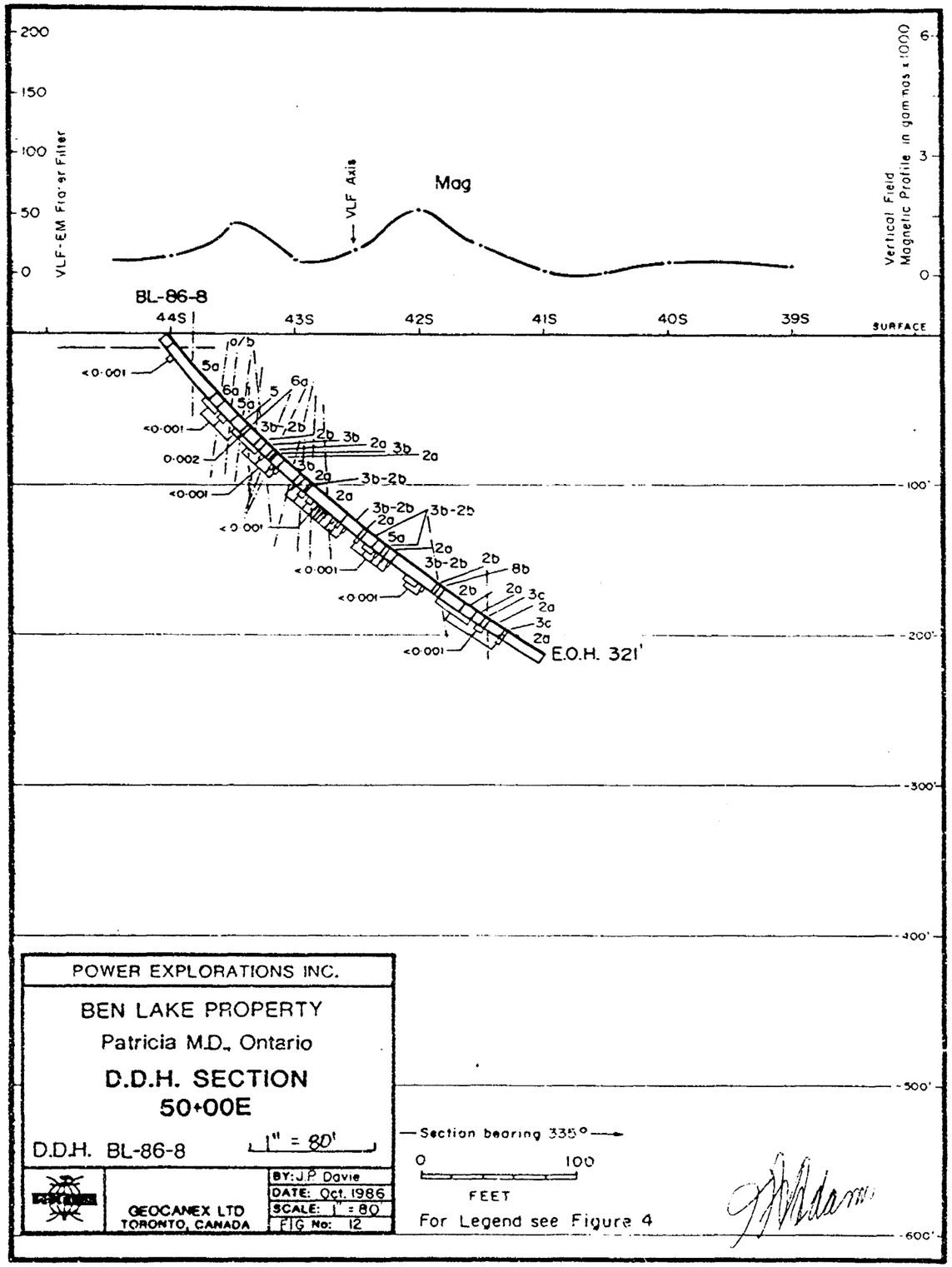
Alteration

- 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

Fig. 4



POWER EXPLORATIONS INC.

BEN LAKE PROPERTY

Patricia M.D., Ontario

D.D.H. SECTION
50+00E

D.D.H. BL-86-8 1" = 80'

GEOCANEX LTD
TORONTO, CANADA

BY: J.P. Davie
DATE: Oct. 1986
SCALE: 1" = 80'
FIG No: 12

Section bearing 335°

0 100

FEET

For Legend see Figure 4

LEGEND FOR DIAMOND DRILL HOLE SECTIONS FOR THE BEN LAKE PROPERTY

Pickle Lake Area, Patricia M.D., Ontario

a.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 .....

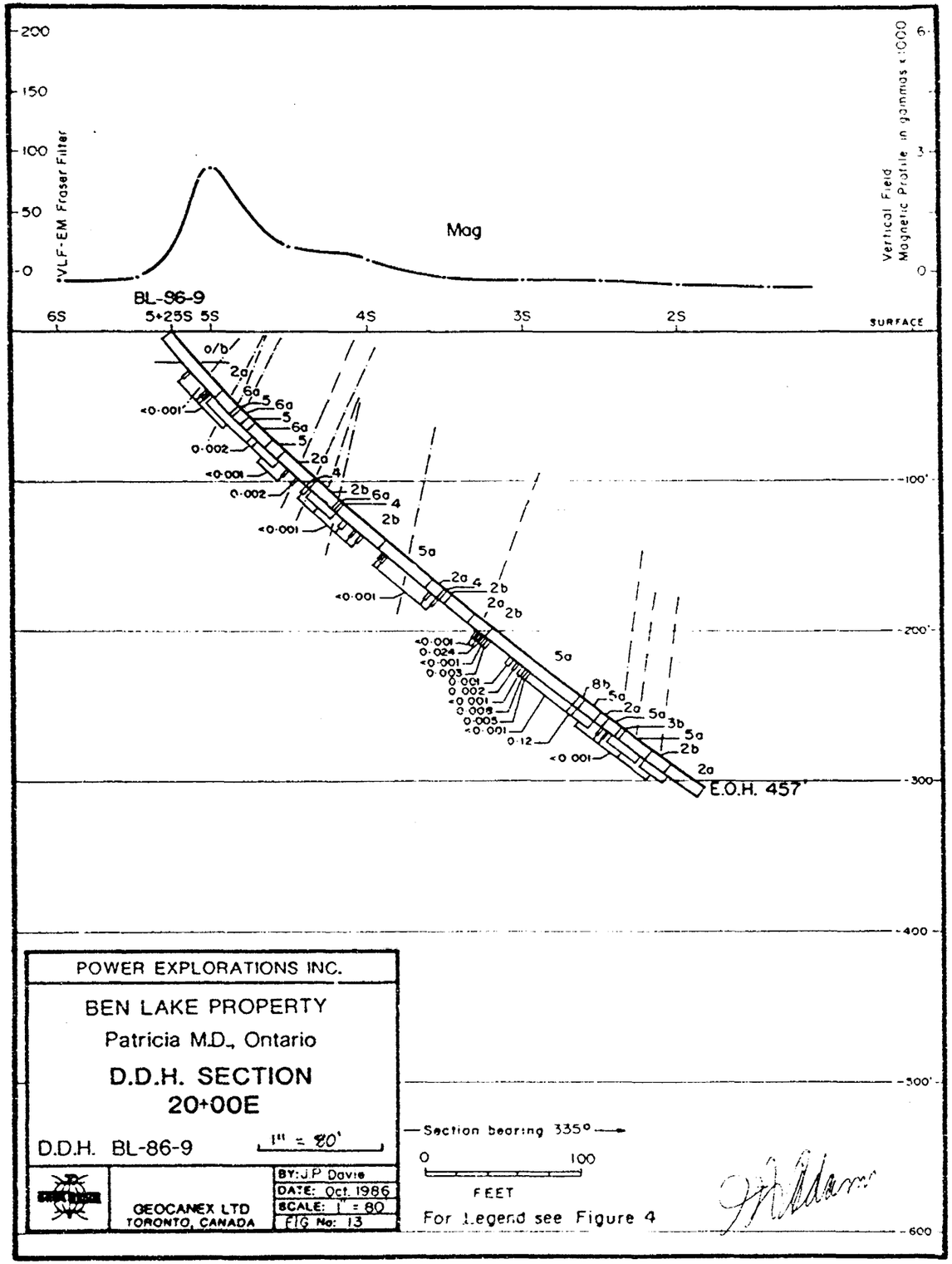
Sample interval (feet) with gold assay in ounces per ton 0.01/3.0

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

Fig. 4



LEGEND FOR DIAMOND DRILL HOLE SECTIONS FOR THE BEN LAKE PROPERTY

Pickle Lake Area, 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
- Geological contact
- Bedding
- Foliation
- Fault, shear zone
- Sample interval (feet) with gold assay in ounces per ton
- Lost core

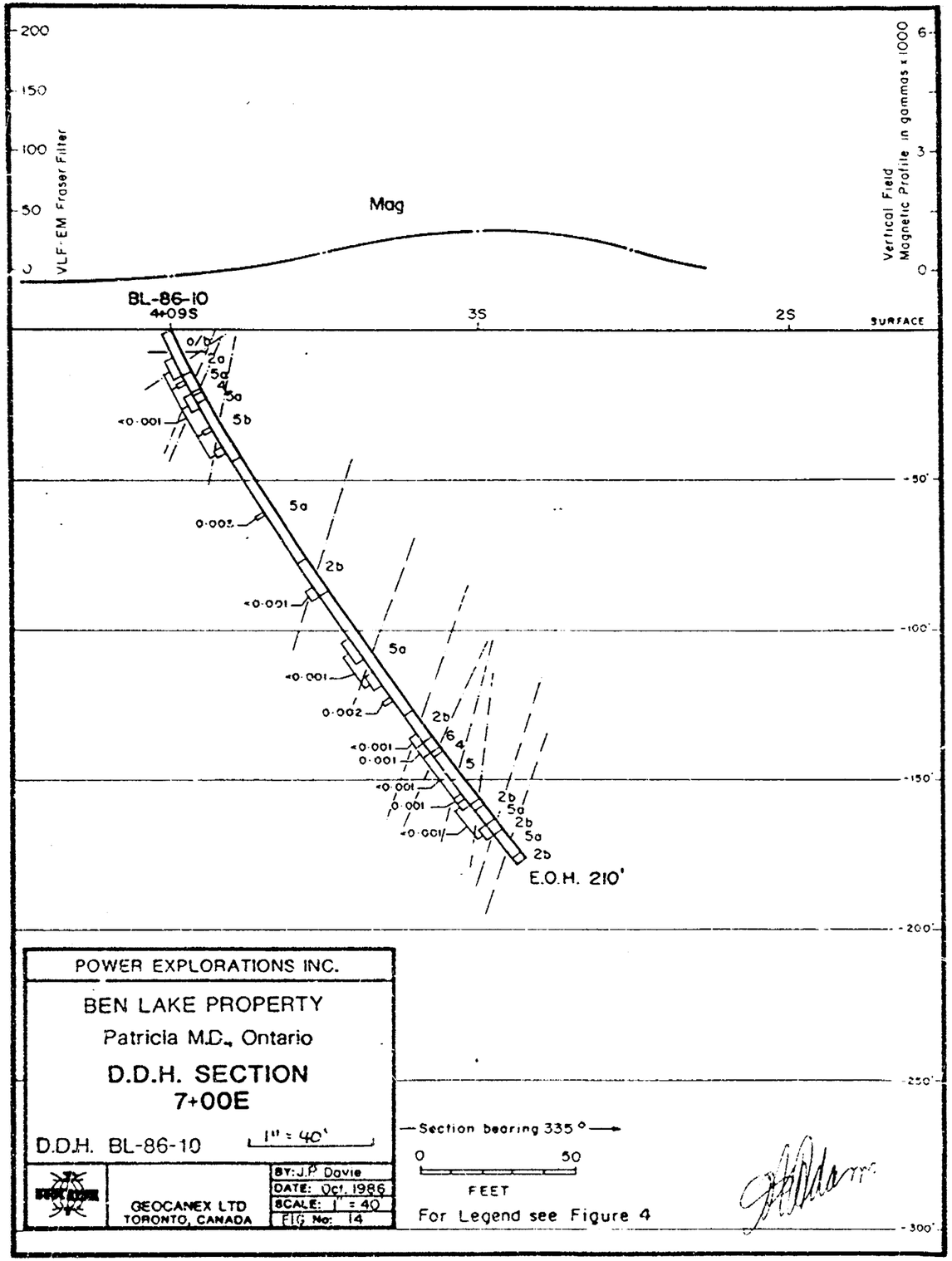
Alteration

- 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

Fig. 4



LEGEND FOR DIAMOND DRILL HOLE SECTIONS FOR THE BEN LAKE PROPERTY

Pickle Lake Area, 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

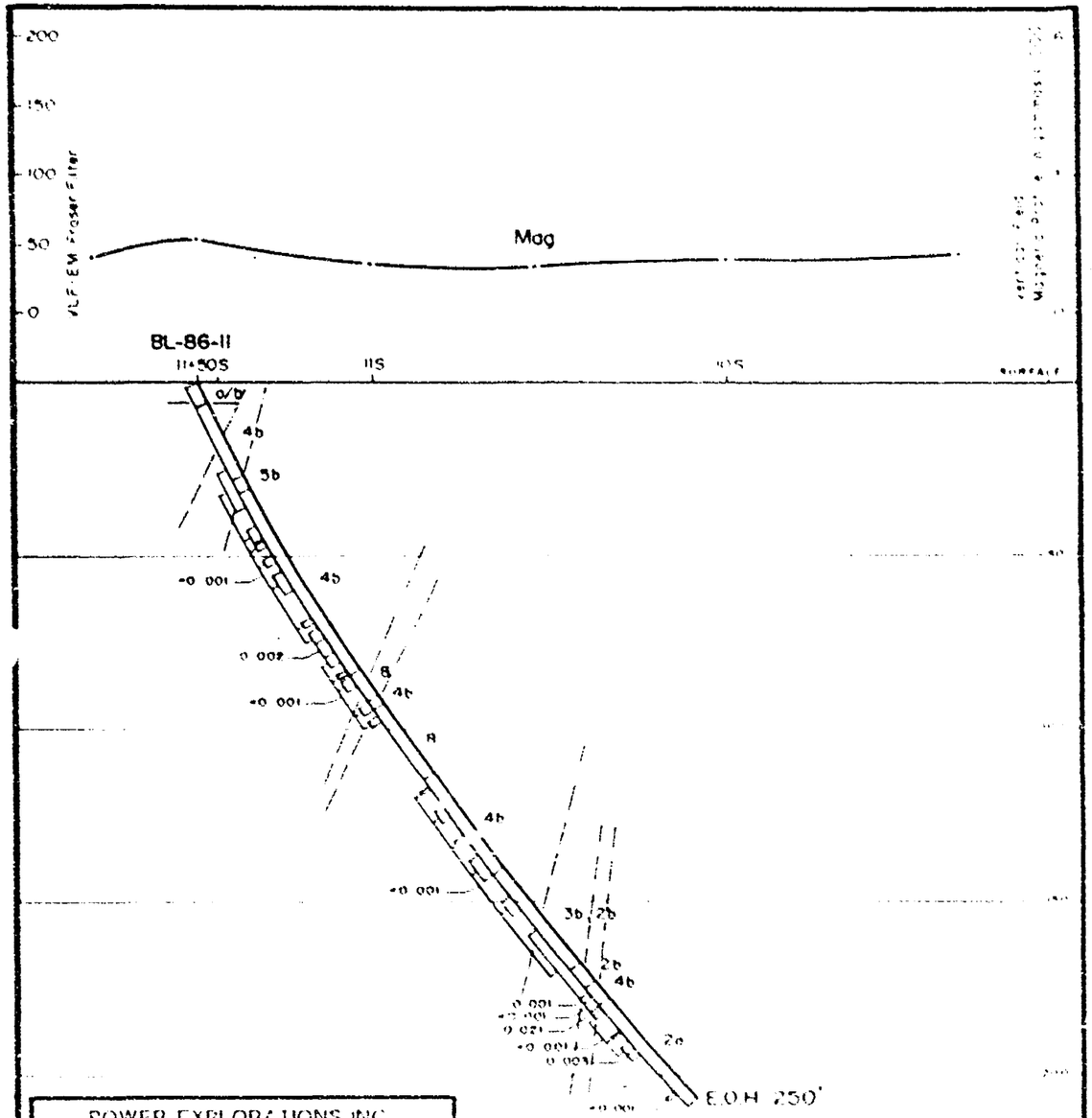
Alteration

- 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

Fig. 4



LEGEND FOR DIAMOND DRILL HOLE SECTIONS FOR THE BEN LAKE PROPERTY

Pickle Lake Area, 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

Geological contact

Bedding

Foliation

Fault, shear zone

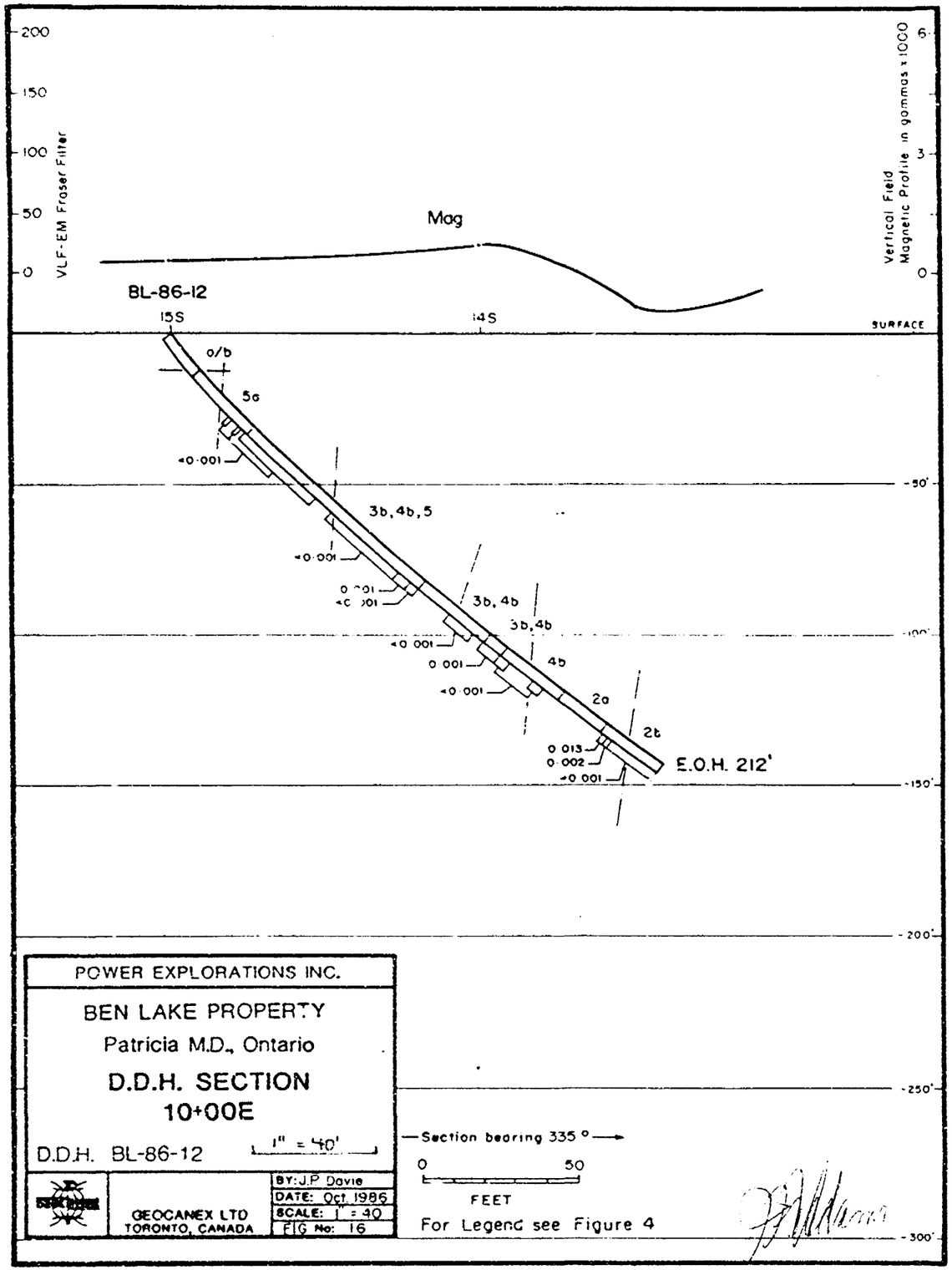
Sample interval (feet) with gold assay in ounces per ton

Lost core

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

Fig. 4



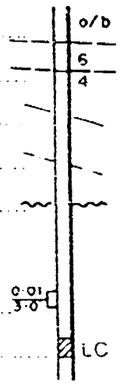
LEGEND FOR DIAMOND DRILL HOLE SECTIONS FOR THE BEN LAKE PROPERTY

Pickle Lake Area, 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
- Geological contact
- Bedding
- Foliation
- Fault, shear zone
- Sample interval (feet) with gold assay in ounces per ton (0.01 / 3.0)
- Lost core (LC)



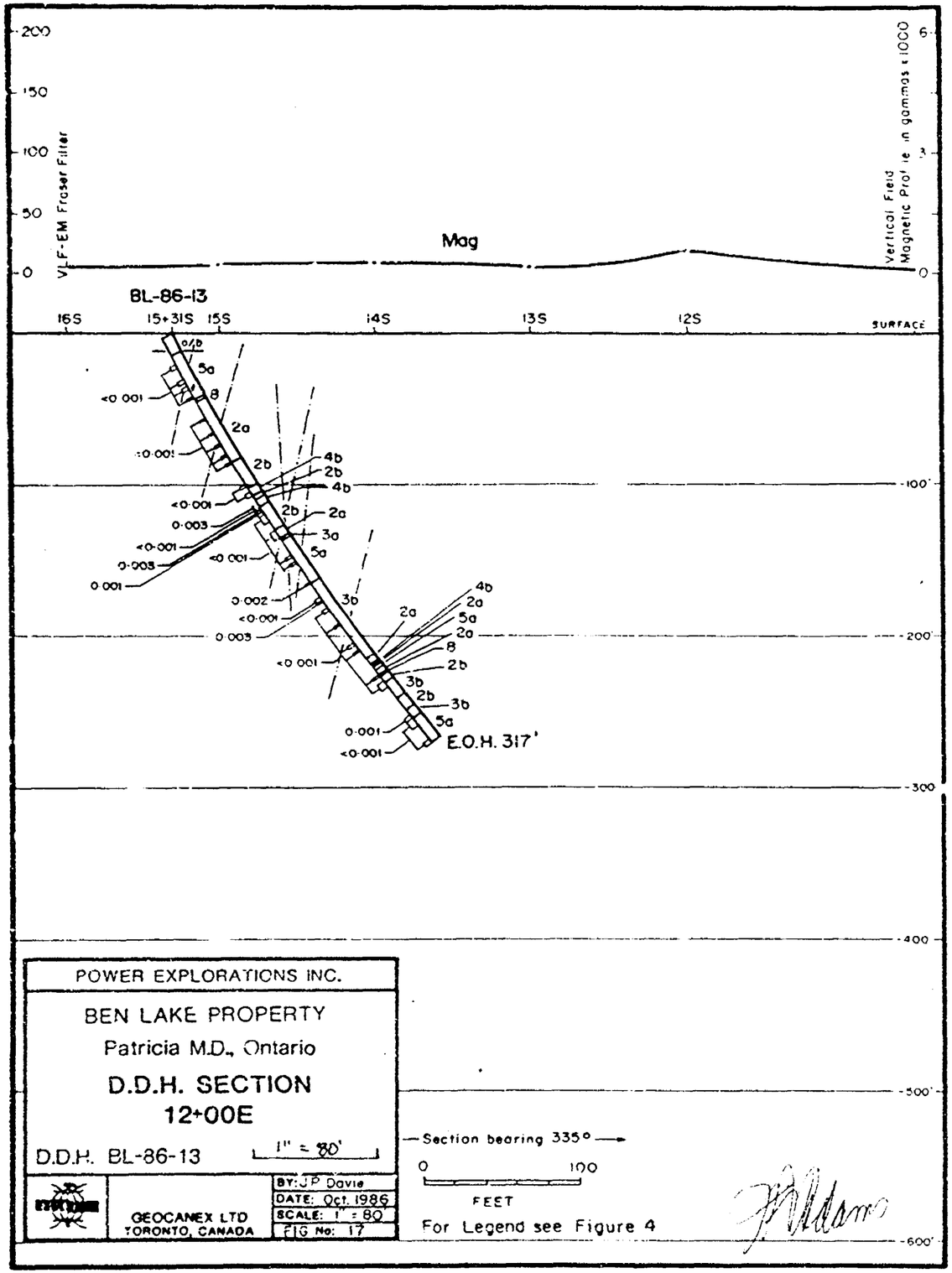
Alteration

- 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

Fig. 4



LEGEND FOR DIAMOND DRILL HOLE SECTIONS FOR THE BEN LAKE PROPERTY

Pickle Lake Area, Patricia M.D., Ontario

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

8 Intermediate and felsic intrusives
- 8a Granite
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- 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 .....

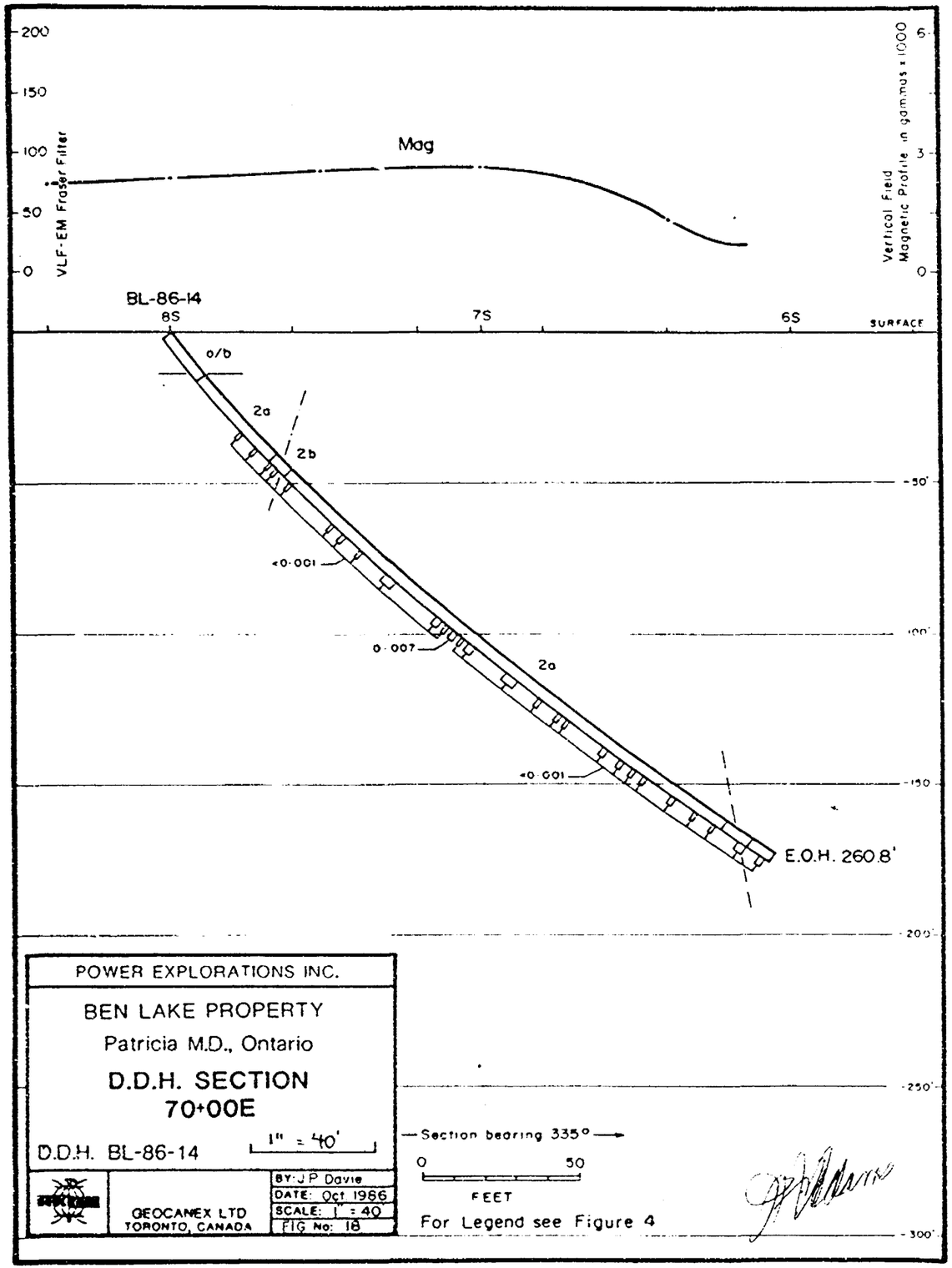
Sample interval (feet) with gold assay in ounces per ton ..... 0.01 / 3.0

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

Fig. 4



POWER EXPLORATIONS INC.

BEN LAKE PROPERTY

Patricia M.D., Ontario

D.D.H. SECTION 70+00E

D.D.H. BL-86-14

1" = 40'

Section bearing 335° →

0 50

FEET

For Legend see Figure 4

GEOCANEX LTD TORONTO, CANADA	BY: J.P Davie
	DATE: Oct 1986
	SCALE: 1" = 40'
	FIG No: 18

LEGEND FOR DIAMOND DRILL HOLE SECTIONS FOR THE BEN LAKE PROPERTY

Pickle Lake Area, 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

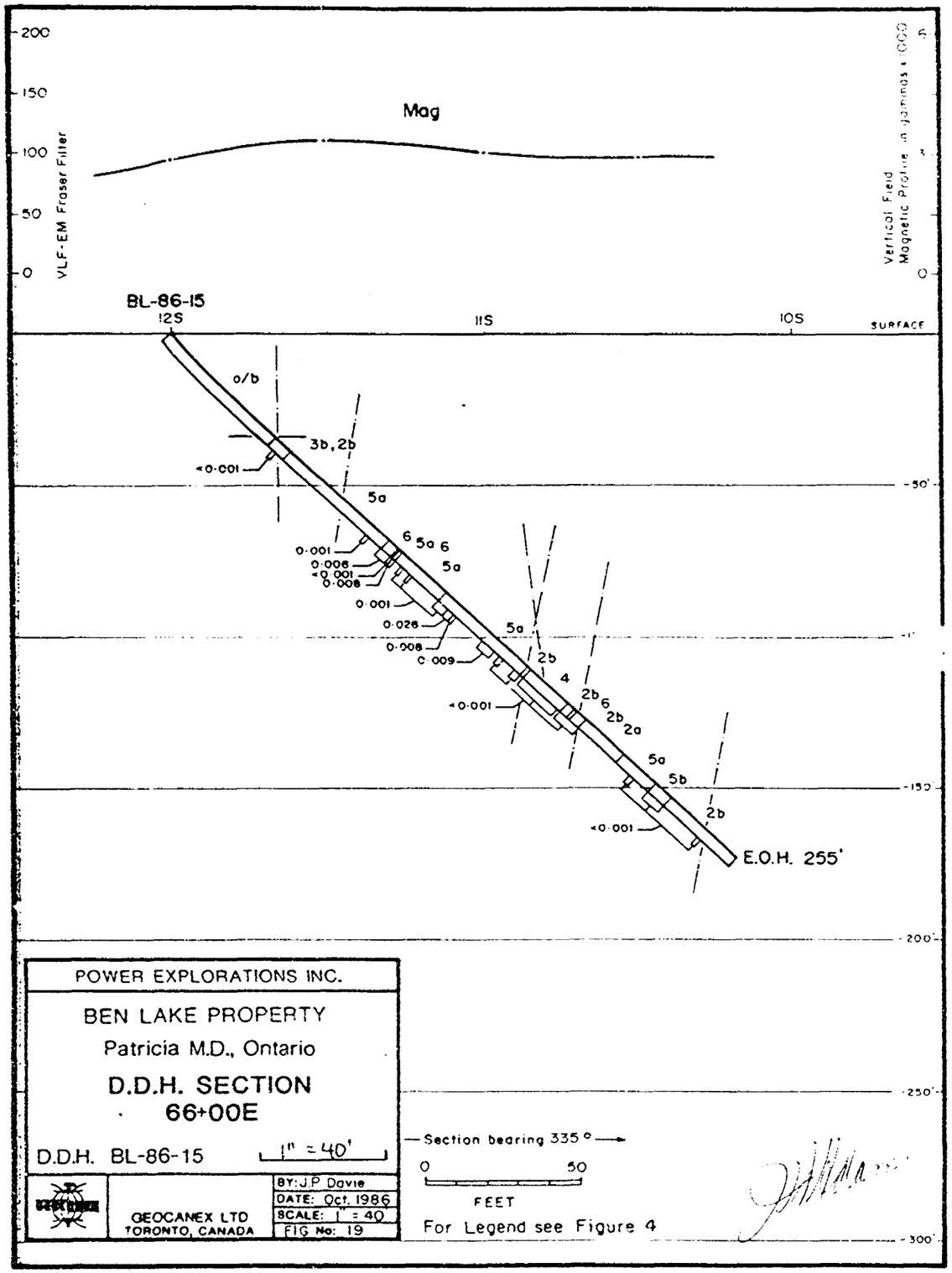
Sample interval (feet) with gold assay in ounces per ton 0.01 / 3.0

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

Fig. 4



POWER EXPLORATIONS INC.

BEN LAKE PROPERTY

Patricia M.D., Ontario

D.D.H. SECTION 66+00E

D.D.H. BL-86-15 1" = 40'

GEOCANEX LTD TORONTO, CANADA

BY: J.P Davie
DATE: Oct. 1986
SCALE: 1" = 40'
FIG No: 19

Section bearing 335° →

0 50

FEET

For Legend see Figure 4

LEGEND FOR DIAMOND DRILL HOLE SECTIONS FOR THE BEN LAKE PROPERTY

Pickle Lake Area, 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/feldspa

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 .....

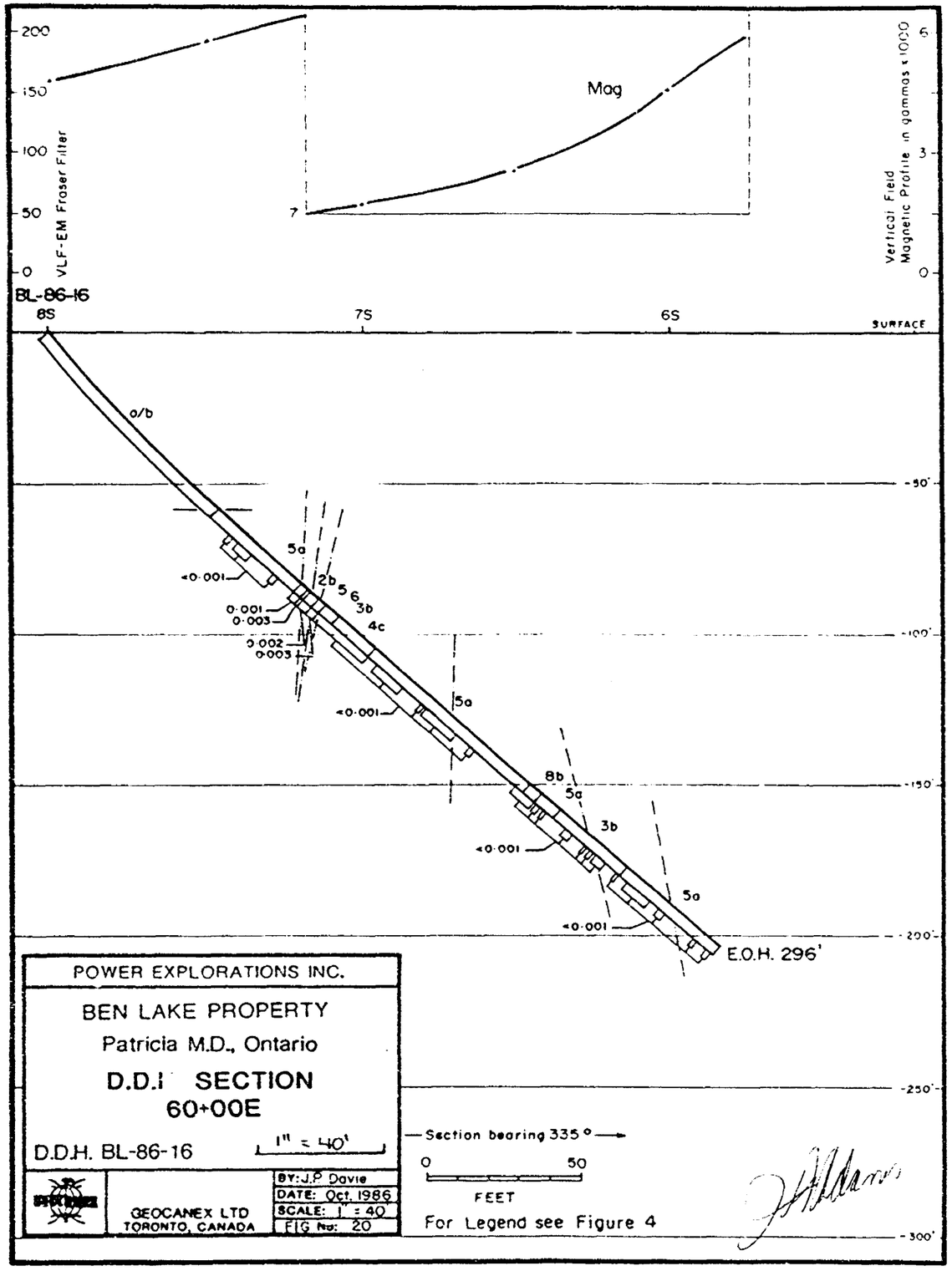
Sample interval (feet) with gold assay in ounces per ton ..... 0·01 / 3·0

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

Fig. 4



LEGEND FOR DIAMOND DRILL HOLE SECTIONS FOR THE BEN LAKE PROPERTY

Pickle Lake Area, 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 ..... 5 / 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

Fig. 4

APPENDIX E

ASSAY CERTIFICATES

11/21/86

Bondar-Clegg & Company Ltd.
5420 Canotek Rd.
Ottawa, Ontario.
Canada K1J 8X5
Phone: (613) 749-2220
Telex: 053-3233

Certificate of Analysis

REPORT: 416-4799

PROJECT: BEN LAKE

SAMPLE NUMBER	ELEMENT UNITS Au O/T	SAMPLE NUMBER	ELEMENT UNITS Au O/T
6001	<0.001	6041	<0.001
6002	0.002	6042	<0.001
6003	<0.001	6043	<0.001
6004	<0.001	6044	<0.001
6005	0.024	6045	<0.001
6006	<0.001	6046	0.002
6007	<0.001	6047	<0.001
6008	<0.001	6048	<0.001
6009	<0.001	6049	<0.001
6010	<0.001	6050	<0.001
6011	<0.001	6051	<0.001
6012	<0.001	6052	<0.001
6013	<0.001	6053	<0.001
6014	<0.001	6054	<0.001
6015	<0.001	6055	<0.001
6016	<0.001	6056	<0.001
6017	<0.001	6057	<0.001
6018	<0.001	6058	<0.001
6019	<0.001	6059	0.004
6020	<0.001	6060	<0.001
6021	0.001	6061	<0.001
6022	0.001	6062	0.001
6023	<0.001	6063	<0.001
6024	<0.001	6064	0.002
6025	0.001	6065	0.015
6026	<0.001	6066	<0.001
6027	<0.001	6067	0.001
6028	<0.001	6068	<0.001
6029	<0.001	6069	<0.001
6030	<0.001	6070	<0.001
6031	<0.001	6071	<0.001
6032	<0.001	6072	<0.001
6033	<0.001	6073	<0.001
6034	<0.001	6074	<0.001
6035	<0.001	6075	<0.001
6036	<0.001	6076	<0.001
6037	<0.001	6077	<0.001
6038	0.001	6078	<0.001
6039	<0.001	6079	0.001
6040	<0.001	6080	0.001

Chief Chemist

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REPORT: 416-4799

PROJECT: BEN LAKE PAGE 2

SAMPLE NUMBER	ELEMENT UNITS Au O/T	SAMPLE NUMBER	ELEMENT UNITS Au O/T
6081	0.002	6121	<0.001
6082	<0.001	6122	<0.001
6083	<0.001	6123	<0.001
6084	0.001	6124	<0.001
6085	<0.001	6125	<0.001
6086	<0.001	6126	<0.001
6087	<0.001	6127	<0.001
6088	<0.001	6128	<0.001
6089	<0.001	6129	<0.001
6090	<0.001	6130	<0.001
6091	<0.001	6131	<0.001
6092	<0.001	6132	<0.001
6093	<0.001	6133	<0.001
6094	<0.001	6134	<0.001
6095	<0.001	6135	<0.001
6096	<0.001	6136	<0.001
6097	<0.001	6137	<0.001
6098	<0.001	6138	<0.001
6099	<0.001	6139	<0.001
6100	<0.001	6140	<0.001
6101	0.001	6141	<0.001
6102	<0.001	6142	<0.001
6103	<0.001	6143	<0.001
6104	<0.001	6144	<0.001
6105	<0.001	6145	<0.001
6106	<0.001	6146	<0.001
6107	<0.001	6147	<0.001
6108	<0.001	6148	<0.001
6109	<0.001	6149	<0.001
6110	<0.001	6150	<0.001
6111	<0.001	6152	<0.001
6112	<0.001	6153	<0.001
6113	<0.001	6154	<0.001
6114	<0.001	6155	<0.001
6115	<0.001	6156	<0.001
6116	<0.001	6157	<0.001
6117	<0.001	6158	<0.001
6118	<0.001	6159	<0.001
6119	<0.001	6160	0.002
6120	<0.001	6161	<0.001

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REPORT: 416-4799

PROJECT: BEN LAKE PAGE 3

SAMPLE NUMBER	ELEMENT UNITS	Au O/T	SAMPLE NUMBER	ELEMENT UNITS	Au O/T
6162		<0.001			
6163		<0.001			
6164		<0.001			
6165		<0.001			

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REPORT: 415-4967

PROJECT: BEN LAKE PAGE 1

SAMPLE NUMBER	ELEMENT UNITS Au O/T	SAMPLE NUMBER	ELEMENT UNITS Au O/T
6166	<0.001	6206	<0.001
6167	<0.001	6207	<0.001
6168	<0.001	6208	<0.001
6169	<0.001	6209	<0.001
6170	<0.001	6210	<0.001
6171	<0.001	6211	<0.001
6172	<0.001	6212	<0.001
6173	<0.001	6213	<0.001
6174	<0.001	6214	<0.001
6175	<0.001	6215	0.001
6176	<0.001	6216	0.001
6177	<0.001	6217	0.008
6178	<0.001	6218	<0.001
6179	<0.001	6219	0.004
6180	<0.001	6220	0.004
6181	<0.001	6221	0.002
6182	<0.001	6222	<0.001
6183	<0.001	6223	<0.001
6184	<0.001	6224	<0.001
6185	<0.001	6225	0.001
6186	<0.001	6226	0.016
6187	<0.001	6227	0.021
6188	<0.001	6228	0.003
6189	<0.001	6229	<0.001
6190	<0.001	6230	<0.001
6191	<0.001	6231	<0.001
6192	<0.001	6232	<0.001
6193	<0.001	6233	<0.001
6194	<0.001	6234	0.083
6195	<0.001	6235	0.001
6196	<0.001	6236	<0.001
6197	<0.001	6237	<0.001
6198	<0.001	6238	<0.001
6199	<0.001	6239	<0.001
6200	<0.001	6240	<0.001
6201	<0.001	6241	<0.001
6202	<0.001	6242	<0.001
6203	<0.001	6243	<0.001
6204	<0.001	6244	<0.001
6205	<0.001	6245	<0.001

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REPORT: 415-4967

PROJECT: BEN LAKE

SAMPLE NUMBER	ELEMENT UNITS Au O/T	SAMPLE NUMBER	ELEMENT UNITS Au O/T
6246	<0.001		
6247	<0.001		
6248	<0.001		
6249	<0.001		
6250	<0.001		
6251	<0.001		
6252	<0.001		
6253	<0.001		
6254	<0.001		
6255	<0.001		
6256	<0.001		
6257	0.006		
6258	<0.001		
6259	<0.001		
6260	<0.001		
6261	<0.001		
6262	<0.001		
6263	<0.001		
6264	<0.001		
6265	0.005		
6266	0.005		
6267	<0.001		
6268	<0.001		
6269	<0.001		
6270	<0.001		

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11/24/86.

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REPORT: 416-5092 | PROJECT: BEN LAKE | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS Au O/T	SAMPLE NUMBER	ELEMENT UNITS Au O/T
6271	<0.001	6311	0.024
6272	<0.001	6312	<0.001
6273	<0.001	6313	0.003
6274	<0.001	6314	<0.001
6275	<0.001	6315	<0.001
6276	<0.001	6316	0.002
6277	<0.001	6317	<0.001
6278	<0.001	6318	0.008
6279	<0.001	6319	0.005
6280	<0.001	6320	<0.001
6281	<0.001	6321	<0.001
6282	<0.001	6322	<0.001
6283	0.002	6323	<0.001
6284	<0.001	6324	<0.001
6285	<0.001	6325	<0.001
6286	<0.001	6326	<0.001
6287	<0.001	6327	<0.001
6288	<0.001	6328	0.012
6289	<0.001	6329	<0.001
6290	<0.001	6330	<0.001
6291	<0.001	6331	<0.001
6292	0.002	6332	<0.001
6293	<0.001	6333	<0.001
6294	<0.001	6334	<0.001
6295	<0.001	6335	<0.001
6296	0.001	6336	<0.001
6297	<0.001	6337	<0.001
6298	<0.001	6338	<0.001
6299	<0.001	6339	<0.001
6300	<0.001		
6301	<0.001		
6302	<0.001		
6303	<0.001		
6304	0.001		
6305	<0.001		
6306	<0.001		
6307	<0.001		
6308	<0.001		
6309	<0.001		
6310	<0.001		

Chief Chemist

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REPORT: 416-5138 | PROJECT: BEN LAKE | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS Au O/T	SAMPLE NUMBER	ELEMENT UNITS Au O/T
6340	<0.001	6380	0.002
6341	<0.001	6381	<0.001
6342	<0.001	6382	<0.001
6343	<0.001	6383	<0.001
6344	<0.001	6384	<0.001
6345	<0.001	6385	<0.001
6346	<0.001	6386	<0.001
6347	<0.001	6387	<0.001
6348	<0.001	6388	<0.001
6349	<0.001	6389	<0.001
6350	0.001	6390	<0.001
6351	0.003	6391	<0.001
6352	<0.001	6392	<0.001
6353	<0.001	6393	<0.001
6354	<0.001	6394	<0.001
6355	<0.001	6395	<0.001
6356	0.002	6396	<0.001
6357	<0.001	6397	<0.001
6358	<0.001	6398	<0.001
6359	0.001	6399	<0.001
6360	<0.001	6400	<0.001
6361	<0.001	6401	<0.001
6362	<0.001	6402	<0.001
6363	<0.001	6403	0.001
6364	0.001	6404	<0.001
6365	<0.001	6405	0.021
6366	<0.001	6406	<0.001
6367	<0.001	6407	<0.001
6368	<0.001	6408	<0.001
6369	<0.001	6409	<0.001
6370	<0.001	6410	0.003
6371	<0.001	6411	<0.001
6372	<0.001	6412	<0.001
6373	<0.001	6413	<0.001
6374	<0.001	6414	<0.001
6375	<0.001	6415	<0.001
6376	<0.001	6416	<0.001
6377	<0.001	6417	<0.001
6378	<0.001	6418	<0.001
6379	<0.001	6419	<0.001

Chief Chemist

12/01 186

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REPORT: 416-5138

PROJECT: BEN LAKE PAGE 2

SAMPLE NUMBER	ELEMENT UNITS Au O/T	SAMPLE NUMBER	ELEMENT UNITS Au O/T
6420	<0.001	6460	<0.001
6421	<0.001	6461	<0.001
6422	<0.001	6462	<0.001
6423	<0.001	6463	0.003
6424	<0.001	6464	<0.001
6425	<0.001	6465	0.003
6426	<0.001	6466	0.001
6427	<0.001	6467	<0.001
6428	<0.001	6468	<0.001
6429	0.001	6469	<0.001
6430	<0.001	6470	<0.001
6431	<0.001	6471	<0.001
6432	<0.001	6472	<0.001
6433	<0.001	6473	0.002
6434	<0.001	6474	<0.001
6435	<0.001	6475	<0.001
6436	0.001	6476	0.003
6437	0.001	6477	<0.001
6438	<0.001	6478	<0.001
6439	<0.001	6479	<0.001
6440	0.013	6480	<0.001
6441	0.002	6481	<0.001
6442	<0.001	6482	<0.001
6443	<0.001	6483	<0.001
6444	<0.001	6484	<0.001
6445	<0.001	6485	<0.001
6446	<0.001	6486	<0.001
6447	<0.001	6487	0.001
6448	<0.001	6488	<0.001
6449	<0.001	6489	<0.001
6450	<0.001	6490	0.001
6451	<0.001	6491	<0.001
6452	<0.001	6492	<0.001
6453	<0.001	6493	<0.001
6454	<0.001	6494	0.001
6455	<0.001	6495	<0.001
6456	0.001	6496	<0.001
6457	<0.001	6497	<0.001
6458	<0.001	6498	<0.001
6459	<0.001	6499	<0.001

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REPORT: 416-5138

PROJECT: BEN LAKE PAGE 3

SAMPLE NUMBER	ELEMENT UNITS	Au O/T	SAMPLE NUMBER	ELEMENT UNITS	Au O/T
6500		<0.001			

Chief Chemist

12/01/86.

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REPORT: 416-5139

PROJECT: BEN LAKE PAGE 1

SAMPLE NUMBER	ELEMENT UNITS Au O/T	SAMPLE NUMBER	ELEMENT UNITS Au O/T
16101	<0.001	16141	<0.001
16102	<0.001	16142	<0.001
16103	<0.001	16143	<0.001
16104	0.007	16144	<0.001
16105	<0.001	16145	<0.001
16106	<0.001	16146	<0.001
16107	<0.001	16147	<0.001
16108	<0.001	16148	<0.001
16109	<0.001	16149	<0.001
16110	<0.001	16150	<0.001
16111	<0.001	16151	<0.001
16112	0.001	16152	<0.001
16113	<0.001	16153	<0.001
16114	<0.001	16154	<0.001
16115	<0.001	16155	0.001
16116	<0.001	16156	0.003
16117	<0.001	16157	0.002
16118	<0.001	16158	0.003
16119	<0.001	16159	<0.001
16120	<0.001	16160	<0.001
16121	<0.001	16161	<0.001
16122	<0.001	16162	<0.001
16123	<0.001	16163	<0.001
16124	<0.001	16164	<0.001
16125	0.006	16165	<0.001
16126	<0.001	16166	<0.001
16127	0.008	16167	<0.001
16128	<0.001	16168	<0.001
16129	<0.001	16169	<0.001
16130	<0.001	16170	<0.001
16131	<0.001	16171	<0.001
16132	0.026	16172	<0.001
16133	0.008	16173	<0.001
16134	0.009	16174	<0.001
16135	<0.001	16175	<0.001
16136	<0.001	16176	<0.001
16137	<0.001	16177	<0.001
16138	<0.001	16178	<0.001
16139	<0.001	16179	<0.001
16140	<0.001	16180	<0.001

Chief Chemist

·21 01 86.

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5420 Canotek Rd.,
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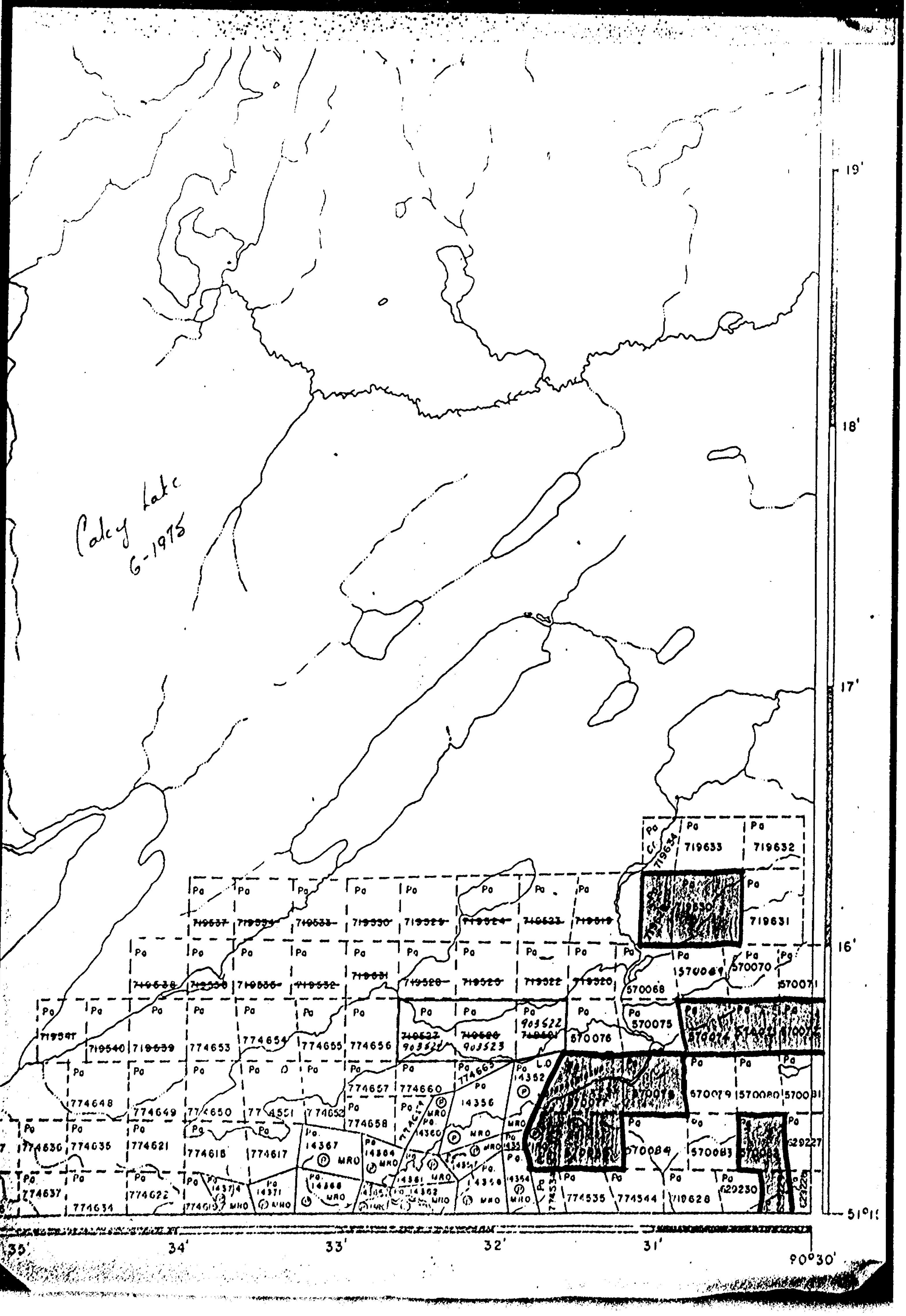
Certificate of Analysis

REPORT: 416-5139

PROJECT: BEN LAKE PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Au O/T	SAMPLE NUMBER	ELEMENT UNITS	Au O/T
16181		<0.001			
16182		<0.001			
16183		<0.001			
16184		<0.001			
16185		<0.001			
16186		<0.001			
16187		<0.001			
16188		<0.001			
16189		<0.001			
16190		<0.001			
16191		<0.001			
16192		<0.001			

Chief Chemist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18'
17'
16'
51°1
35'
34'
33'
32'
31'
90°30'
Po
719633
719632
719631
570068
570070
570071
570075
570076
903622
903523
719540
774653
774654
774655
774656
774648
774649
774650
774652
774657
774658
774660
14356
14352
14367
MRO
570079
570080
570083
570084
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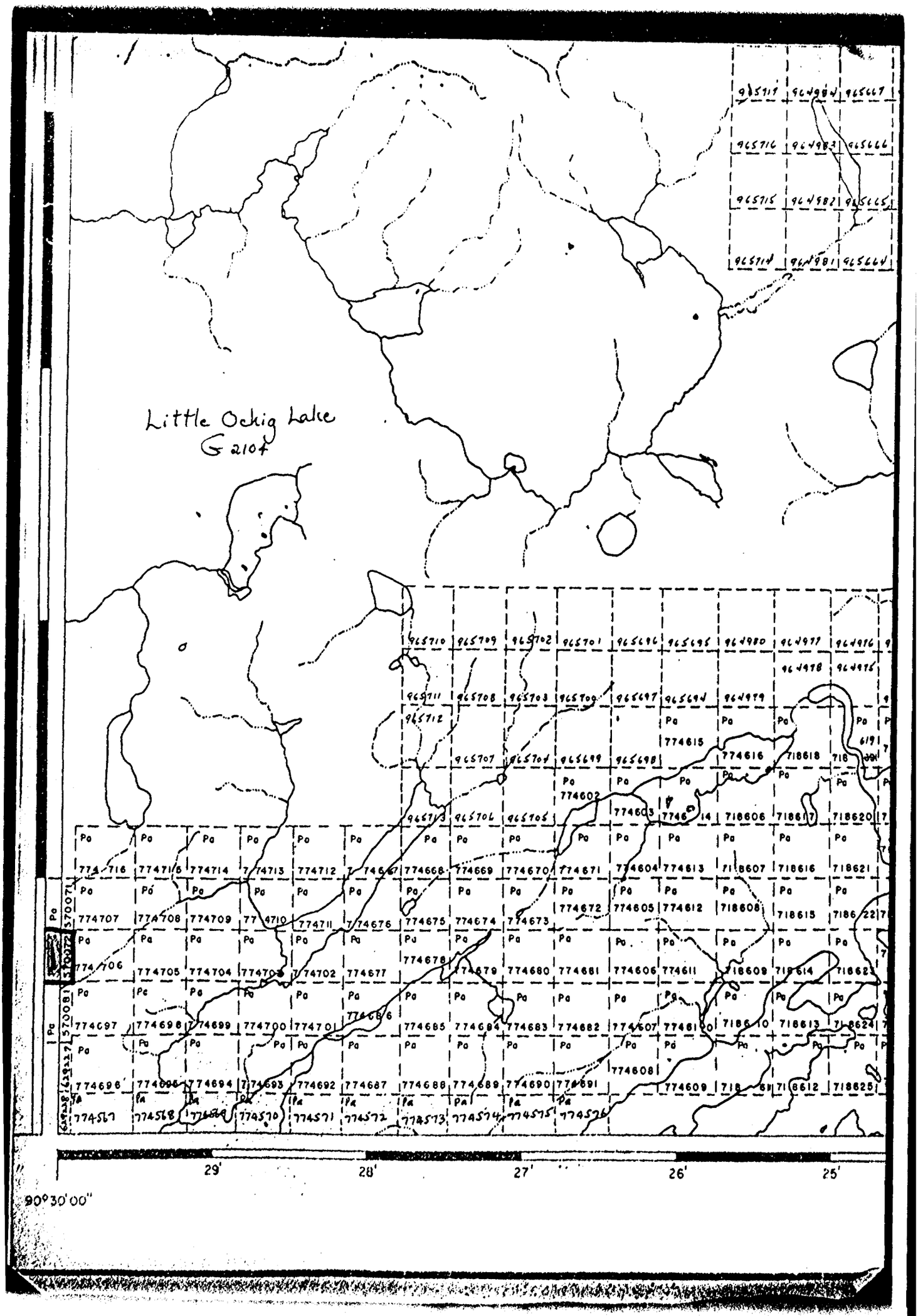
774535
774544
719628


Little Ochig Lake
G 2104
29'
28'
27'
26'
25'
90°30'00"

FOR ADDITIONAL INFORMATION SEE MAPS:

520/07SE-0021 # 1