



1986 EXPLORATION, TRENCHING AND DIAMOND DRILLING  
AT JESSIE LAKE PROPERTY,  
KENORA MINING DISTRICT

PROTEUS RESOURCES INC.

INTRODUCTION

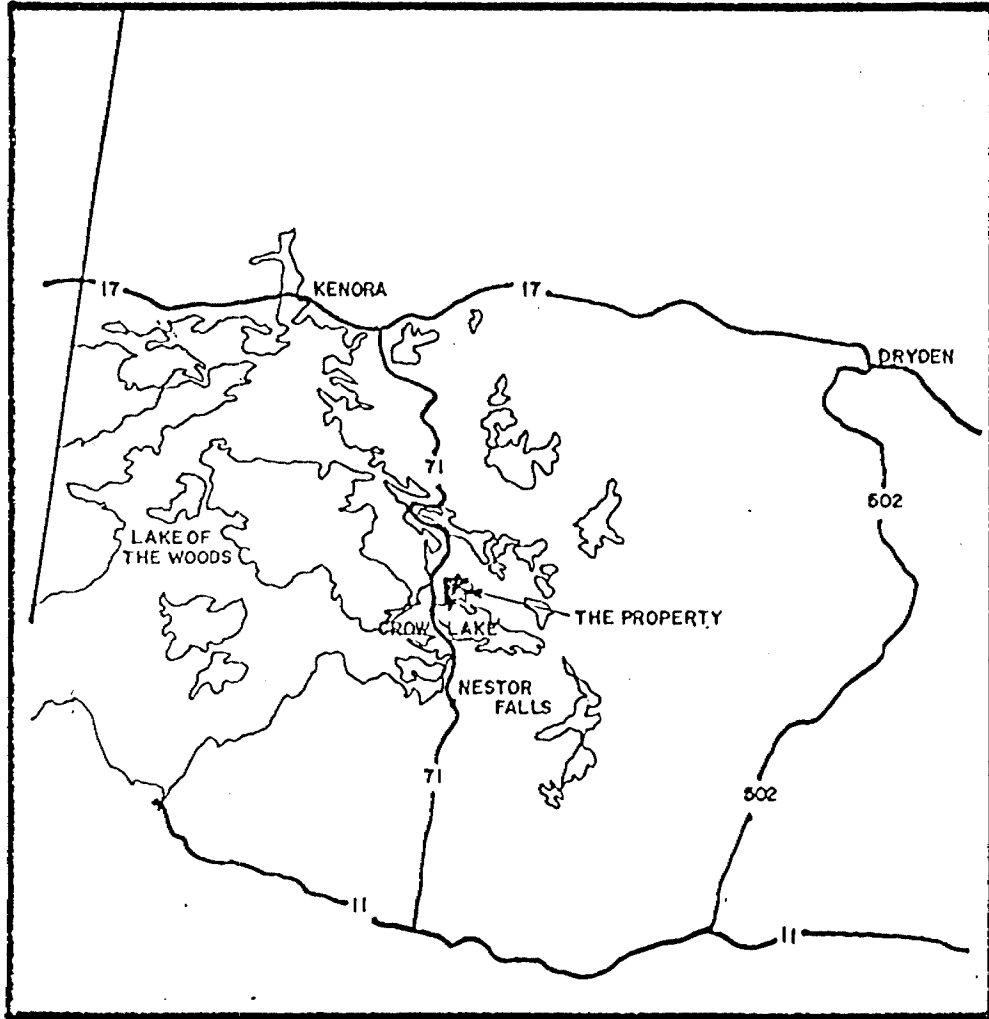
The Jessie Lake property consists of a block of 19 unpatented mining claims optioned October, 1984 from Mr. B. Perry by Proteus Resources Inc. Reconnaissance mapping, rock sampling and trenching were performed during 1985, resulting in a new gold discovery of 0.246 oz/ton over 0.20 metres (0.66 feet) (Wirowatz, 1985). In all, three narrow auriferous structures were found and they may be stratigraphically and/or structurally related for a minimum strike length of 1900 feet. Followup work performed during 1986 included mapping, stripping/trenching, humus sampling, ground geophysical surveying and diamond drilling.

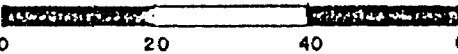
Location and Access

The Jessie Lake property is located at the north end of Kakagi Lake, also known as Crow Lake, Kenora Mining District, northwestern Ontario. Geographically, the claim block is centred at 49 degrees 18' North latitude and 93 degrees 55' West longitude on NTS map sheet 52 F/5. A property location map constitutes page 2 of this report.

The property is accessible by boat via Highway 71 from the southwest shore of Kakagi Lake. There is no road access to the property, however, the privately-owned Cameron Lake road lies within two miles to the north. The nearest towns are Nestor Falls and Sioux Narrows, 10 miles (16 Km) south and 30 miles (50 Km) north by road, respectively. Larger centres with full services are Kenora and Fort Frances, 80 miles (130 Km) north and 60 miles (100 Km) south by road, respectively.

During 1986, a temporary camp was put in by helicopter and barge on the north shore of a small bay between Emm Bay of Kakagi Lake and the Cedartree Lake portage. Only diamond drill core stored on log racks and clearings remain.



SCALE  MILES  
0 20 40 60

PROTEUS RES. INC.  
JESSIE LAKE - KAKAGI LAKE  
PROPERTY LOCATION  
MAP

DRAWING A.

## PERSONNEL

The names of, addresses of, and mandays for contract geologists and subcontractors that worked at the Jessie Lake property during 1986 are listed in Appendix 1.

### List of Claims

K781538		1 ✓
K794504	to K794507	4 ✓
K794543	to K794552	10 ✓
K794564	to K794566	3 ✓
K842056		1
	<b>Total</b>	<b>19</b>

The configuration of the Jessie Lake property is shown on a map in Appendix 2. The Jessie Lake property adjoins the Kakagi Lake (Gold Sun) property to the south. A group of three claims, K895757 to K895759, staked July, 1986, adjoins the Jessie Lake property to the northeast. All of these properties are under option to Proteus Resources Inc. and were worked upon during 1986. The Kakagi Lake (Gold Sun) property is reported separately (Beauregard, 1986a).

### Physiography

The majority of the property is land, with relief up to 115 ft. (30 m). The topography is controlled by bedrock with hills and depressions that are elongated parallel to the east-west trending rock units. Shorelines are usually steep with much outcrop. The hills generally have intermittent, 3 to 8 foot high scarps at the base of outcrops with flatter hilltops. Outcrop exposure is good upon the hills and at changes in elevation due to thin to moderate cover, i.e. up to 15 feet of sandy boulder till. The depressions are filled with deep clay overburden. Drill moves can be performed on the ground rather than by helicopter, however, the topography often limits access to and the availability of drill setups.

The vegetation cover is a mixture of coniferous and deciduous species at the lakeshore giving way to a jackpine-dominated mixture inland. Patches of tag alders are common. Cedar swamps comprise the depressed locales.

The up-ice direction as indicated by glacial striae is north-northeast.

## PREVIOUS WORK

A minor amount of work has been performed by previous operators upon the Jessie Lake property. Past gold exploration had been directed towards a carbonate zone located to the south of the property and an ultramafic sill located to the northeast of the property.

From 1943 to 1946, Sylvanite Gold Mines Ltd. explored the north shore of Kakagi Lake. The area to the east of Jessie Lake was mapped at a reconnaissance scale. (Holbrooke, 1944).

Several independent airborne electromagnetic-magnetometer surveys were flown in whole or in part over the Jessie Lake property. Aerodat Limited flew a VLF-magnetometer survey for Atikwa Resources (Anon., 1983). Dighem Limited flew a survey for Sault Meadows Energy Corporation (Fraser, 1984). Finally, an EM-magnetometer survey was flown over the property by Terraquest Ltd. on behalf of Proteus Resources Inc. (Barrie, 1985).

A mineral data compilation map (Rivett and MacTavish, 1980) erroneously shows a locale of three diamond drillholes and four trenches on the south shore of Jessie Lake.

The Jessie Lake property was optioned from Mr. B. Perry by Proteus Resources Inc. during October, 1984.

Wirowatz (1985) performed mapping and prospecting over the property plus trenching at eight selected sites. Wirowatz concluded that "Sites 2, 3 and 4 are narrow auriferous structures, and at present traced for short distances along strike". The best assays were obtained from a grab sample returning 0.486 oz/ton gold and a chip sample returning 0.246 oz/ton gold across 0.20 metres (0.66 feet). Both samples were from Site 3 (trench 3 locale).

## GEOLOGY

### General Geology

The Cedartree Lake (NTS 52 F/5) geology was mapped by the Ontario Department of Mines at a 1 inch to 1/4 mile scale (Davies and Morin; 1972, 1975 and 1976).

The regional geology consists of Archean supracrustal rocks belonging to the Wabigoon Subprovince. Trowell et al. (1980) discuss general stratigraphic relationships for their Kakagi-Atikwa Lakes sub-area as follows:

"Southwest of the [Pipestone-Cameron] fault, an east- to north-facing assemblage is complicated by folding. In the west the lower part of the assemblage is a thick previously unnamed homoclinal, east-facing sequence here called the Snake Bay Volcanics, composed predominantly of pillowed mafic flows. The Snake Bay Volcanics are overlain by an upper sequence of intermediate pyroclastics and metasediments that has been extensively intruded by differentiated ultramafic to mafic sills. The sequence was previously unnamed: it is here called the Kakagi Lake Volcanics. A number of east-northeast-trending folds occur in this sequence, and have been shown to post-date emplacement of the sills."

The Jessie Lake property is west of the major northwest-trending Pipestone-Cameron Fault which divides the 1:50,000 geology mapsheet (Davies and Morin, 1975). The property lies on the north limb of a large fold structure called the Emm Bay - Peninsula Bay Syncline. Davies and Morin (1976) discuss the Emm Bay - Peninsula Bay Syncline as follows:

"The oldest rocks in the map-area consist of a series of mafic metavolcanics overlain by a complex of intermediate to felsic metavolcanics with interlayered mafic to ultramafic sills. This sequence was deformed into folds with steeply dipping limbs and vertical, east-northeast-trending axial planes, and which was then intruded by a diorite stock [5 miles east of the property] and quartz feldspar dikes.

This fold [the Emm Bay - Peninsula Bay Syncline] occurs in the central and southern part of the map-area. The axial plane trends east-northeast and its attitude is approximately vertical. The axis of the fold plunges eighty to ninety degrees towards the east-northeast. The rocks folded into the syncline include the mafic metavolcanics west of Emm Bay, the felsic to intermediate metavolcanics and the mafic to ultramafic sills. The syncline is an example of both flexural-slip and flexural-flow folding."

## Property Geology

The 2 1/2 mile long by 3/4 mile wide (maximum) property straddles a contact between mafic metavolcanics to the north and overlying intermediate to felsic metavolcanics to the south. Stratigraphy strikes east-northeast with steep southerly dips. An ultramafic sill just comes on property from the northeast. Several quartz feldspar porphyry dikes crosscut the mafic metavolcanics perpendicularly to stratigraphy in the western portion of the property. Small, intermittent feldspar porphyry dikes, subparalleling stratigraphy are common within the mafic metavolcanics particularly in the eastern portion of the property.

## GRIDDING

Two grids were emplaced by compass and chain upon the Jessie Lake property (Drawing 2, Appendix 2). The total chained distance, whether along cut, brushed or flagged lines, was 29,500 feet (5.6 miles; 9 km). The first grid, designated the Kakagi Lake grid, has a cut baseline extending from Jessie Lake and running east for approximately 4000 ft. at 066 degrees azimuth. Crosslines are at a spacing of 100 feet to the east (in the vicinity of the trenches of interest) and at a 400 foot spacing to the west. The second grid, designated the VLF grid, is south of Jessie Lake with a cut baseline, 1200 feet long, oriented at 066 degrees azimuth. Crosslines are 400 feet apart.

## MAPPING

Detailed mapping was performed upon selected areas of the property. The 24 acre Kakagi Lake grid was mapped at a scale of 1 inch to 100 feet (Map 3). A report by J. Martin concerning the geology of the Kakagi Lake grid forms Appendix 3. The 39 acre VLF grid was mapped at a scale of 1 inch to 100 feet (Map 4). Three recently staked claims adjoining the Jessie Lake property to the northeast were mapped at a scale of 1:2500 (Map 5).

A total of 96 grab samples, 13 soil samples and 1 panned concentrate were collected during mapping. A brief summary of all samples with regards to location constitutes Appendix 4. Grab samples are tabulated in Appendix 5. The rock, soil and panned concentrate samples were sent to Bell-White Analytical Laboratories Ltd., Haileybury for gold analysis. Assay sheets are given in Appendix 6A and 6B.

Results for the grab samples ranged from trace to 0.32 oz/ton gold from the Kakagi Lake grid, from trace to 0.01 oz/ton gold from the VLF grid and from trace to 0.14 oz/ton from the three newly staked adjoining claims. At the Kakagi Lake grid, the singular grab sample assay returning 0.32 oz/ton gold is from subcrop at the trench locale 3. Gold mineralization in a narrow flow top breccia zone has been traced for 120 feet from grab sample 32323 and east to the lakeshore. At the VLF grid, grab sampling failed to duplicate the 1985 grab sample, identifier 7508, that returned 0.096 oz/ton gold. At the three newly staked adjoining claims, a feldspar porphyry dike that occupies a narrow shear zone between mafic metavolcanics to the south and an ultramafic sill to the north, returned anomalous grab sample values of 0.14, 0.07 and 0.05 oz/ton gold.

Prospecting and grab sampling were also performed at the trench 8 locale and at two sites at the Kakagi Lake grid: at a near-surface IP anomaly and at an anomalous humus sample site. A total of seven grab samples from the trench 8 locale returned values ranging from trace to 0.002 oz/ton gold. At the near-surface IP anomaly on Line 46+00 West, 12 grab samples returned assays from trace to 0.002 oz/ton gold and 13 soil samples returned values from 4 to 14 ppb gold (Map 6; Appendix 7). At the humus anomaly on Line 54+00 West, four grab samples returned from trace to 0.01 oz/ton gold.

### TRENCHING

A total of seven additional trenches were put in at trench locales 2, 3 and 4 in an effort to extend the narrow, auriferous structures discovered in 1985. Stripping was accomplished by using a Wajax Mark 3 high-pressure fire-fighting pump. Trenching was accomplished by using an Atlas-Copco Cobra rockdrill and dynamite. Detailed geology and chip sampling particulars for each trench locale constitute Appendix 8. A total of 65 chip samples were sent to Bell-White Analytical Laboratories Ltd., Haileybury for gold assay. Chip samples are tabulated in Appendix 9. Assay sheets are given in Appendix 6A.

The trench 2 locale lies between trench 3 locale, located 1200 feet to the east and trench 4 locale, located 700 feet to the west. A narrow alteration zone has now been traced for 200 feet at trench 2 locale (Map 7; Appendix 8A). A synopsis of the geology has been provided by mapper, S. Boyce:

"A feldspar porphyry dike, 20 feet in width, intrudes mafic metavolcanics subparallel to stratigraphy along the contact between a breccia tuff to the north and a fine-grained flow to the south. A narrow alteration zone of intense, variable silicification occurs in the fine-grained flow and also appears to post-date the feldspar porphyry. The alteration zone likewise follows stratigraphy."

Chip sampling was performed on the new trenches, Trench 2C and 2D. The 1985 trenches, Trench 2A and 2B, were not resampled. Trench 2C returned 0.02 oz/ton over 0.5 feet and Trench 2D returned 0.02 oz/ton over 3.0 feet. For comparative purposes, Trench 2A (1985) returned 0.105 oz/ton over 1.0 feet while Trench 2B (1985) returned a weighed assay of 0.039 oz/ton over 2.3 feet (Wirowatz, 1985).

The trench 3 locale is the easternmost of the three auriferous structures and contains the best surface gold values obtained at the property. The area was mapped in detail and three trenches, Trench 3BX, 3D and 3E were emplaced (Appendix 8B). The anomalous gold values discovered during 1985 occur at a position where, after this year's stripping, three features can be noted: (1) a contact between two mafic flows, (2) a small interflow debris unit and (3) crosscutting fractures containing pyritiferous quartz-carbonate-chlorite veins. Detailed mapping showed the presence of two fine-grained mafic metavolcanic flows with a northeast trending contact and the superimposition of a subparallel flexural fault at the contact. The flow top to the northwest (adjacent to the contact/fault) is brecciated, silicified and pyritized discontinuously for widths up to 2 feet. The northwest flow attains widths up to 10 feet with conformably underlying andesitic metavolcanics thereafter. A series of north-northwest to northwest trending fractures crosscut stratigraphy with little to no displacement. The fractures locally contain quartz-carbonate-chlorite veins. Additional minor pyrite is present within the southeast flow and the interflow unit. Quartz-epidote veinlets to veins are restricted to the southeast flow. The fractures continue through the northwest flow but lack vein material. No felsic intrusives were observed during surface mapping at the trench 3 locale.

Gold mineralization at the trench 3 locale is restricted to the pyritized, silicified flow top. Mineralization has now been traced for 120 feet from grab sample 32323, northeast to the lakeshore. The best assays were returned from a narrow, 40 foot long, subeconomic zone which extends from Trench 3B (1985) through Trench 3D to grab sample 32322. Trench 3B (1985) returned a weighted assay of 0.132 oz/ton over 1.48 feet with a singular assay of 0.246 oz/ton over 0.66 feet. Trench 3D returned a weighted assay of 0.205 oz/ton over 3.3 feet with a singular assay of 0.53 oz/ton over 1.2 feet. Grab sample 32322 returned 0.318 oz/ton.

The trench 4 locale is the westernmost of the three auriferous structures. The 1985 work trenched an alteration zone with low, albeit, anomalous assays but could not uncover the alteration zone in its entirety due to deep overburden (Wirowatz, 1985). Two trenches, Trench 4X and 4B, were emplaced and detailed mapping was performed this year (Appendix 8C). Mapper S. Boyce summarizes the geology as follows:



"A narrow alteration zone of varying width consists of silicified mafic metavolcanics with fuchsite, chlorite and epidote locally. The zone occurs in fine-grained mafic metavolcanics and to the north of a 10 to 15 foot wide feldspar porphyry dike trending 075 degrees azimuth. The zone subparallels the dike approaching it to the west."

Trench 4 (1985) is contained within Trench 4X. Continuous samples were chipped from the feldspar porphyry through the alteration zone to unaltered mafic metavolcanics. Trench 4X returned 0.07 oz/ton over 2.3 feet and Trench 4B returned 0.05 oz/ton over 3.7 feet.

#### HUMUS SAMPLING

A total of 255 humus samples, including 7 replicate samples, were collected from the Kakagi Lake grid. Humus samples were collected at 100 foot intervals along lines spaced 100 feet apart in the eastern portion of the grid from trench 3 locale to trench 4 locale. The sample interval was tightened to 25 feet across zones postulated to be auriferous. West of the trench 4 locale, samples were collected at 100 foot intervals along four lines spaced 400 feet apart. The samples were analyzed for gold by X-Ray Assay Laboratories Ltd., Toronto. Analysis sheets and the neutron activation analytical procedure are given in Appendices 6C and 6E, respectively. Sample descriptions and values are tabulated in Appendix 10 and plotted upon May 14.

Results ranged from less than one to 2800 parts per billion (ppb) gold. The high of 2800 ppb is equivalent to 0.082 oz/ton. Eight samples were greater than 100 ppb.

Humus anomalies are concentrated in four areas; from east to west they comprise: trench 3 locale, trench 2 locale, grid South of trench 4 locale and Line 54+00 West. Trench 3 locale had transported values up to 1000 ppb. Trench 2 locale had values up to 110 ppb. Trench 4 locale had transported values up to 2800 ppb and a new area, Line 54+00 West had values up to 2200 ppb.

### GEOPHYSICAL SURVEYING

Two ground geophysical surveys were performed on both grids by Quantech Consulting Inc. at the Jessie Lake property. A total of 3 miles of induced polarization (IP) surveying plus a total of 26,200 feet (8 km) of very low frequency (VLF)-magnetometer surveying were performed. The IP survey is reported under separate cover (Coulson and Bogder, 1986) while the VLF-magnetometer survey data constitutes Appendix 11 of this report.

Thirteen selected gridlines, nine lines at the Kakagi Lake grid and four lines at the VLF grid were surveyed by the IP method. The best IP anomaly occurred at Line 8+00 West/11+50 North on the VLF grid. This anomaly confirmed the airborne VLF-EM conductor found by Terraquest Ltd. (Barrie, 1985). The second best IP anomaly occurred at Line 34+00 West/4+00 South on the Kakagi Lake grid. Coulson and Bogden (1986) proposed three drillholes to test IP targets.

<u>DDH</u>	<u>Coordinates (Grid)</u>	<u>Dip</u>	<u>Direction</u>	<u>Max. Depth</u>
1	8+00W/14+00N (VLF)	-45	grid S	500 ft.
2	12+00W/16+25N (VLF)	-45	grid S	500 ft.
3	34+00W/ 2+00S (Kakagi)	-45	grid S	500 ft.

The ground VLF-magnetometer survey was run over 29 gridlines, 25 lines at the Kakagi Lake grid and four lines at the VLF grid. The Kakagi Lake grid exhibited extremely strong magnetic responses. Magnetic lows up to 15,000 gammas below background occurred within intervals of 50 feet. Four magnetic lows are worth noting: (1) the ultramafic sill (consistent signature), (2) an area grid South of the trench locale 2 at the lakeshore (possibly an ultramafic sill at depth), (3) the feldspar porphyry dike at Line 37+00W/ 5+50S (an isolated magnetic low) and (4) an isolated magnetic low at Line 54+00W/ 4+00S. The strongest VLF crossover occurred at Line 31+00W/ 5+00S which is grid North of the trench 2 locale. This response is probably due to conductive clay overburden. A VLF crossover at Line 54+00 West was near coincident with an above-mentioned magnetic low, suggesting the presence of a covered feldspar porphyry dike. The VLF grid is much quieter magnetically. The geophysical conductor located at the west-central portion of the VLF grid yielded weak VLF crossovers.

## DIAMOND DRILLING

Fourteen diamond drillholes were drilled for a total footage of 5500 feet (1676.4 m). N. Morissette Canada Inc., Haileybury, mobilized and constructed an on site camp from August 13 to August 18, 1986. Drilling commenced August 19 and finished September 27. Personnel, camp and equipment were demobilized on September 28. The diamond drill machine was a Boyles 17A which recovered BQ size drillcore. Skid moves between setups were accomplished by tractor and/or barge. No casing was left in the ground and each collar was marked by a tagged wooden picket. A total of 535 split drillcore samples were sent to Paul's Custom Fire Assay, Cochenour or to Bell-White Analytical Laboratories Ltd., Haileybury for gold determination by fire assay (assay sheets; Appendix 6D). A diamond drilling summary is given in Appendix 12. Diamond drill log summaries, drill logs and sections are reported under separate cover (Beauregard, 1986b). measurements for the sections were accomplished by Brunton compass, chain and down-the-hole acid dip tests.

Diamond drilling tested six areas: trench 2 locale (1 hole); trench 3 locale (1 hole); trench 4 locale, which included anomalous gold in humus and a geophysical target for its 9 holes); a humus anomaly on Line 54+00 West (1 hole); a geophysical target on Line 54+00 West (1 hole) and a geophysical conductor at the VLF grid (1 hole). Efforts were concentrated upon the trench 4 locale where visible gold averaging 2.68 oz/ton over 1.0 feet was intersected in the third hole.

At the trench 2 locale, hole J86-9 was drilled to test beneath Trench 2A. The hole encountered the feldspar porphyry and the quartz-flooded brecciated alteration zone observed on surface. The best assay was 0.014 oz/ton over 3.0 feet.

At the trench 3 locale, hole J86-1 was drilled to test the auriferous, brecciated flow top that ran 0.53 oz/ton over 1.2 feet. The brecciated flow top was not encountered at depth. Observed, however, was a weak silicified, breccia zone uphole to a gabbro dike. Several scattered 0.04 oz/ton assays were returned from this hole.

To the grid East of the trench 4 locale, hole J86-2 was drilled to test the IP anomaly on Line 34+00 West. The hole encountered a feldspar porphyry high up, two weak, brecciated and veined zones near the centre and a talcose peridotite at the bottom. The best drillcore assay was 0.02 oz/ton.

At the trench locale 4, hole J86-3 was drilled to test beneath the highest gold in humus anomaly as well as the trenched alteration zone. Visible gold was encountered at a vertical depth of 200 feet. The gold occupied a small stringer near the base of the feldspar porphyry dike. The whole core was sent for assay and returned an average (from two assays) of 2.68 oz/ton over 1.0 feet. Hole J86-7 was a 100 foot stepup from hole J86-3 and did not encounter gold mineralization. Hole J86-4 was collared 100 feet to the west of hole J86-3. Visible gold was observed in a silicified, brecciated zone at a vertical depth of 220 feet. This visible gold was of similar nature as and of comparable tenor to the visible gold from hole J86-3. The whole core of 1.3 feet length was sent to Paul's Custom Fire Assay, Cochenour. Assays of 0.01 oz/ton were returned. This mysterious disappearance could not be resolved. The remaining pulp was sent to Bell-White Analytical Laboratories Ltd., Haileybury. The Cochenour assayer claimed there was no reject left to send. Haileybury returned assays up to 0.004 oz/ton from four cuts and two assays of "metallics". For the remainder of the program, drillcore samples were sent to Haileybury for analysis. The remaining holes drilled at the trench 4 locale, holes J86-5, J86-8, J86-10, J86-11 and J86-14 returned best assays of 0.02 oz/ton over 2.0 feet, 0.006 oz/ton over 3.5 feet, 0.028 oz/ton over 2.0 feet, 0.034 oz/ton over 3.1 feet and 0.06 oz/ton over 1.6 feet, respectively.

Hole J86-12 tested the humus anomaly on Line 54+00 West. The best assay has 0.016 oz/ton over 3.5 feet. Hole J86-13 tested a geophysical anomaly also on Line 54+00 West with the best assay being 0.002 oz/ton over 4.0 feet.

At the VLF grid, hole J86-6 tested the IP conductor as proposed by Quantech Consulting Inc. Hole J86-6 encountered 17.2 feet of banded sulphides in a chert at a vertical depth of 150 feet, which returned trace gold and nil silver.

APPENDIX 1

PERSONNEL AND MANDAYS

## PERSONNEL AND MANDAYS

## PROTEUS RESOURCES INC.

JESSIE LAKE PROJECT - 1986

<u>Name</u>	<u>Address</u>	<u>Position</u>	<u>Dates</u>	<u>Mandays</u>
M. Beauregard	6015-35A Aveune Edmonton, Alberta T6L 1G7	Contract Geologist, Party Chief	May 26 to July 28, Aug. 9 to Oct. 17	105
T. Brennen	Box 493 106 - 3rd St. Rainy River, Ont. P0W 1L0	Casual Labour, Core Splitting	Sept 10 to Sept. 20 Sept 23 to Sept 29	18
S. Boyce	c/o Box 82 Sharbot Lake, Ont. K0H 2P0	Contract Geologist, Junior	June 1 to July 28, Aug. 8 to Aug. 21	72
J. Martin	c/o 64 Rykert Cres. Toronto, Ontario M4G 2S9	Contract Geologist, Junior	June 1 to July 28, Aug. 8 to Aug. 21	72
B. Gajaria	c/o Proteus Res. Inc. 1101, 10 King St. E. Toronto, Ontario M5C 1C3	Geologist	July 8	1
G. Hill	c/o Silverside Resources Inc. 1101, 10 King St. E. Toronto, Ontario M5C 1C3	Geologist	July 8 August 15 to August 16	3
			Sub Total	271

PERSONNEL AND MANDAYS

<u>Name</u>	<u>Address</u>	<u>Position</u>	<u>Dates</u>	<u>Mandays</u>
<u>N. Morissette Canada Inc.</u> P.O. Box 789 Haileybury, Ontario POJ 1K0				
D. Brodrick	R.R. 1 Belle Vallee, Ont. POJ 1P0	Cook	Aug. 14 to Sept. 28	46
E. Crites	c/o Morissette	Runner	Aug. 14 to Sept. 28	46
R. Davies	R.R. 12 Site 17, Compartment 76 Thunder Bay, Ont. P7B 5E3	Foreman	Aug. 19 to Sept. 28	40
D. Demers	c/o Morissette	Helper	Aug. 18 to Sept. 11	25
W. Klodt	c/o Morissette	Helper	Sept. 12 to Sept. 28	17
J. Lavielle	c/o Morissette	Foreman	Aug. 13 to Aug. 18	6
J. Morin	c/o Morissette	Helper	Aug. 14 to Sept. 28	46
		Sub Total		226
<u>Quantech Consulting Inc.</u> 1050, 595 Bay Street Toronto, Ontario M5G 2C2				
G. Bogden	c/o Quantech	Geophysicist	Sept. 13 to Sept. 17	5
W. Coulson	c/o Quantech	Geophysical Technician	July 22 to July 27	6
P. Donovan	c/o Quantech	Assistant	July 22 to July 27	6
		Sub Total		17
		Total		514

APPENDIX 2

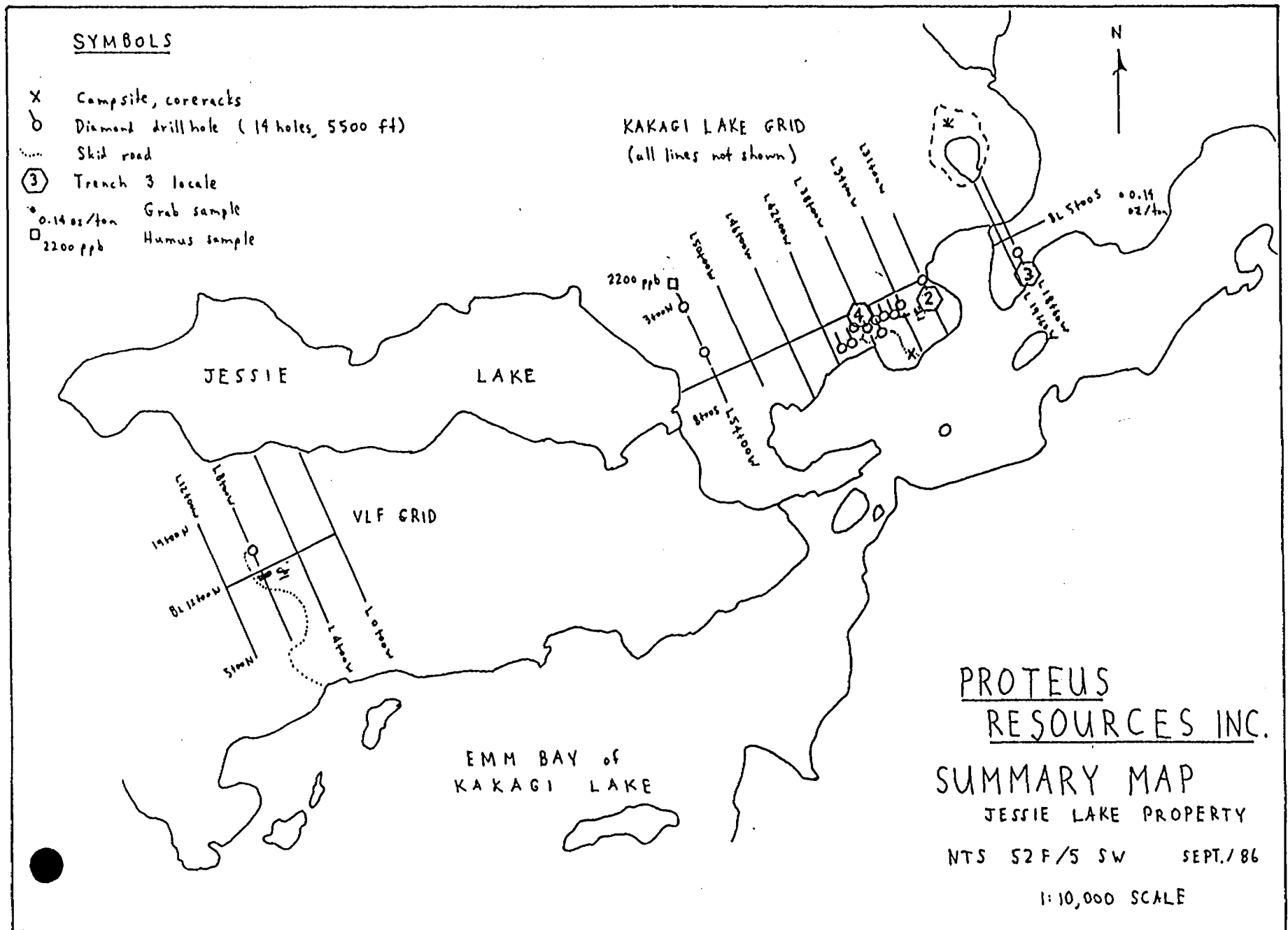
CLAIM CONFIGURATION MAP

AND SUMMARY MAP, JESSIE LAKE PROPERTY



SYMBOLS

- X Campsite, coreracks
- o Diamond drill hole (14 holes, 5500 ft)
- ..... Skid road
- ③ Trench 3 locale
- 0.14 oz/ton Grab sample
- 2200 ppb Humus sample



PROTEUS  
RESOURCES INC.

SUMMARY MAP  
JESSIE LAKE PROPERTY

NTS 52 F/5 SW SEPT./86

1:10,000 SCALE

APPENDIX 5

GRAB SAMPLE DESCRIPTION TABLE

GRAB SAMPLE DESCRIPTION TABLE

PROTEUS RESOURCES INC. - JESSIE LAKE PROPERTY - 1986

SAMPLE IDENTIFIER	CO-ORDINATES or LOCATION	DESCRIPTION	ASSAY Au - oz/ton
32051	20+20W/ 8+50S	Mafic metavolcanic with siderite veinlets and traces of pyrite	trace
32052	21W/ 6+30S	Siliceous light green volcanic. Fine disseminated pyrite. Pieces of a rusty 1" qtz. vein.	0.01
32053	20+75W/ 6+40S	Light green siliceous volcanic with small (<1mm) black clasts. Trace fine dissem. pyrite Tuff?	0.02
32054	20+50W/ 8+25S	Mafic metavolcanic with pyrite (up to 3%)	0.002
32055	19+50W/ 8+55S	Mafic metavolcanic with pyrite. Epidote-qtz-carb. veinlets	trace
32056	West side of porphyry; 700 ft. east and 600 ft. north of K745564-#3 post.	Mafic metavolcanics, sheared, 1% pyrite, qtz-carb. veinlets, hematite alteration.	trace
32057	29+75W/ 6+75S	Mafic breccia with felsic fragments, Siliceous Pyrite (1%) occurs in veinlets 1 mm wide and disseminated	0.01
32058	29+70W/ 6+75S	Similar to above, but carbonated. More pyrite (up to 3%). Occurs as veinlets + blebs and disseminated.	0.01
32059	33+40W/ 5+95S	Rusty qtz. vein 3 cm. wide. Porous.	trace
32060	35+20W/11+15S	Mafic volcanic with up to 20% pyrite (1mm crystals). Carbonated.	0.03
32061	42+30W/ 3+50S	Fine-grained siliceous rusty rock. Slightly carbonatized. Traces of fine disseminated pyrite. Andesite.	trace

GRAB SAMPLE DESCRIPTION TABLE

PROTEUS RESOURCES INC. - JESSIE LAKE PROPERTY - 1986

<u>SAMPLE IDENTIFIER</u>	<u>CO-ORDINATES or LOCATION</u>	<u>DESCRIPTION</u>	<u>ASSAY Au - oz/ton</u>
32062	41+25W/ 6+50S	Strongly sheared rusty mafic volcanic. Carbonated. Traces of very fine pyrite.	trace
32063	40+30W/ 6+50S	Milky white qtz. vein (2-6 cm) in contact with tuff. Trace fine-grained pyrite in tuff.	trace
32064	36+70W/ 5S	Carbonatized strongly. 30% rock, 1mm siderite crystals. Trace pyrite. Altered volcanic.	trace
32065	36+40W/ 5+20S	Fine-grained grey sheared rock. Calcite veinlets, rusty on weathered surface.	trace
32066	36+20W/ 5+20S	Similar to 32065 but more qtz veinlets, rustier.	trace
32067	34+80W/ 5S	Fine-grained strongly carbonatized mafic volcanic. Trace fine pyrite. Rusts soil deep red.	trace
32068	35+45W/ 4+90S	Fine-grained, green-red, siliceous, moderately carbonatized. Rusty. Qtz. concentrations.	trace
32069	35+25W/ 5+25S	Siliceous, green-grey-pink, Chloritized. Carbonatized. No rust. Altered volcanic.	trace
32070	34+55W/ 5S	Fine-grained, carbonatized, moderately siliceous, grey-green rock. Chloritized. Rusty on weathered surface.	trace
32071	34+05W/ 4+65S	Silicified, weakly carbonatized, sheared, mottled green-red rock. Rusty. Chlorite veinlets.	trace
32072	33+65W/ 4+50S	Silicified mafic volcanic with small qtz. veinlets. Rusty. Mildly carbonatized.	trace

GRAB SAMPLE DESCRIPTION TABLE

PROTEUS RESOURCES INC. - JESSIE LAKE PROPERTY - 1986

<u>SAMPLE IDENTIFIER</u>	<u>CO-ORDINATES or LOCATION</u>	<u>DESCRIPTION</u>	<u>ASSAY Au - oz/ton</u>
32073	32W/ 4+00S	Mildy rusted, fine-grained, chloritized, altered gabbro.	trace
32074	30W/ 7+00S	Mafic flow with 3% pyrite.	trace
32075	29+50W/ 6+75S	Very silicified, weakly carbonated altered mafic volcanic. With 1-2% py. Alteration along fractures.	0.01
32076	34+10W/ 4+30S	Sheared mafic tuff, rusty, carbonate veinlets, little visible pyrite.	trace
32077	18+60W/ 8+15S	2" Qtz vein with carbonates, chlorite, minor pyrite; attitude 155/090; in mafic metavolcanics; extension of quartz vein through chip sample 32171 at Trench 3BX.	trace
32078	30 feet north of (1985) sample 7508	Mafic metavolcanic with minor pyrite blebs; qtz veinlets at 060/090 attitude	trace
32079	300 feet south and 300 feet west of Post 1 of Claim 794505	Resample of presumed 1985 grab sample 7508; altered, rusty feldspar porphyry at contact with mafic volcanics; dike perhaps 10 feet wide and trends 110 degrees by contacts.	trace
32080	100 feet north of (1985) sample 7508	Mafic metavolcanic; lapilli-sized fragments; moderately sheared, chloritized, minor pyrite, blebs up to 5mm; unidentified mafic mineral coating shear fractures; 3 feet from east-trending feldspar porphyry dike.	0.01
32081	5 feet east of (1985) sample 7508	Mafic metavolcanic boulders; rusty, very sheared, chloritized; boulders from outcrop adjacent to feldspar porphyry.	0.002

GRAB SAMPLE DESCRIPTION TABLE

PROTEUS RESOURCES INC. - JESSIE LAKE PROPERTY - 1986

<u>SAMPLE IDENTIFIER</u>	<u>CO-ORDINATES or LOCATION</u>	<u>DESCRIPTION</u>	<u>ASSAY Au - oz/ton</u>
32082	38+04W/ 5+51S	Rusty quartz vein 1-3 cm. wide, cutting fine-grained mafic volcanics.	trace
32083	37+20W/ 5+70S	Buff brown silicified sheared mafic metavolcanic. Less than 1% pyrite.	0.03
32084	1' West of Trench 8.	Rusty, pervasively silicified volcanics, with 3% medium-grained pyrite.	trace
32085	5' East of Trench 8.	Grey-green sheared volcanics. Narrow (0.5 mm) discontinuous Chloritic bands separated by fine-grained carbonate and quartz.	0.002
32086	50', bearing 320 degrees from Trench 8.	Tuff, sheared and silicified. Rusty weathered surface, green and red fresh. 5% fuchsite, associated with mafic phenocrysts	trace
32087	100', bearing 320 degrees from Trench 8.	Rusty, quartz-carbonate rock, part of shear zone. 5% fine-grained pyrite.	trace
32088	250', bearing 320 degrees from Trench 8.	Mafic metavolcanics, sheared, moderately carbonatized and silicified. Rusty weathered, grey green fresh. Chloritic, Quartz veinlets up to 3 mm.	trace
32089	50', bearing 140 degrees from Trench 8.	Mafic metavolcanics, silicified. Quartz veinlets, minor pyrite.	trace
32102	100' southwest of Trench #8	Mafic Metavolcanics; fine-grained, foliation oriented 105/80S; minor pyrite, disseminated and blebby.	0.002
32103	100' at 080 az. from 32104 Claim K895758	Mafic Metavolcanic; sheared, moderate silicification, minor carbonate, trace pyrite.	trace

GRAB SAMPLE DESCRIPTION TABLE

PROTEUS RESOURCES INC. - JESSIE LAKE PROPERTY - 1986

<u>SAMPLE IDENTIFIER</u>	<u>CO-ORDINATES or LOCATION</u>	<u>DESCRIPTION</u>	<u>ASSAY Au - oz/ton</u>
32104	1600' northeast of Trench 3, n. side of shear zone: Cl. 895758	Mafic metavolcanic; very siliceous, locally altered to buff colour; minor carbonate, trace pyrite.	0.002
32105	15' at 210 az. from 32104, s. side of shear zone.	Mafic Metavolcanic; siliceous, thin qtz-carb. veinlets, minor carbonate, trace pyrite; "scaly" foliation when weathered.	trace
32106	30' at 240 az. from 32104, middle of shear zone.	Mafic Metavolcanic; siliceous, altered to buff brown colour; brick red on weathered surface, moderate carbonate (siderite) adjacent to quartz vein.	0.01
32107	Adjacent to 32106	Quartz vein; feldspathic; strong carbonate; (possibly a chert).	0.07
32108	150' at 245 az. from 32104	Mafic Metavolcanic; siliceous; brecciated with dark, siliceous matrix and light coloured fragments; minor carbonate; minor pyrite.	0.05
32109	200' at 260 az. from 32108	Mafic Metavolcanic; siliceous, carbonatized; foliated; trace pyrite; minor chlorite.	0.14
32110	46W/3N	Carbonatized slightly rusty mafic volcanic with 10% open pore space where calcite has been weathered out.	trace
32111	36+45W / 5S	Silicified carbonatized rock brecciated by black veinlets. Green black on fresh surface. No pyrite.	trace
32112	36+85W / 5S	Moderately silicified slightly carbonatized altered mafic.	trace
32113	35+50W/4 +70S	Highly silicified light green altered mafic. Rusty. Very fine disseminated pyrite (<1%).	trace

GRAB SAMPLE DESCRIPTION TABLE

PROTEUS RESOURCES INC. - JESSIE LAKE PROPERTY - 1986

<u>SAMPLE IDENTIFIER</u>	<u>CO-ORDINATES or LOCATION</u>	<u>DESCRIPTION</u>	<u>ASSAY Au - oz/ton</u>
32114	29+90W/ 8+20S	Highly silicified light grey green rusty rock, with up to 3% fine pyrite. Brecciated by 1 mm quartz veinlets.	trace
32115	39+55W/ 5+60S	Highly carbonatized rusty mafic volcanic. Contains reddish 1 mm carbonate veinlets.	0.002
32116	39+70W/ 5+60S	Probably drift. Rusty mafic volcanic brecciated by crystalline (1-2 mm cubes) carbonate veinlets.	trace
32117	300' N of CP#3, Cl. 895757	Highly carbonatized mafic volcanics containing quartz carbonate veinlets. Weakly sheared. Rusty weathered surface.	trace
32118	700' N of CP#3, Cl. 895757	Highly carbonatized, weakly silicified mafic volcanics. Weakly sheared, minor pyrite and rusty weathered surface.	0.002
32119	900' N of CP#3 Cl. 895757	Highly carbonatized mafic volcanics, with abundant chlorite.	0.002
32120	1000' N of CP#3 Cl. 895757	Highly carbonatized mafic volcanics, with minor pyrite.	trace
32121	No.4 Post, Cl. 895757	Carbonate veinlet in mafic volcanics, may be separating two units. Minor pyrite.	trace
32122	700'E, 400 N of CP#3, Cl. 875758	Carbonatized aplite, with minor fine-grained disseminated pyrite, aplite is adjacent to feldspar porphyry dike.	0.02
32251	47+00W/ 1+35S Kakagi Lake grid. Near-surface IP anomaly at 46W/0+50S	Basalt, fine-grained; minor carbonate, minor shearing, 2-3% disseminated fine-grained pyrite, sample taken across 4 feet of broken outcrop.	trace



GRAB SAMPLE DESCRIPTION TABLE

PROTEUS RESOURCES INC. - JESSIE LAKE PROPERTY - 1986

<u>SAMPLE IDENTIFIER</u>	<u>CO-ORDINATES or LOCATION</u>	<u>DESCRIPTION</u>	<u>ASSAY Au - oz/ton</u>
32301	46W/ 1+60N	(NEAR SURFACE IP ANOMALY AT L46W/0+50S) Basalt; fine to medium-grained, moderate carbonate, slightly sheared, lineations at 160/090, weakly magnetic, minor pyrite.	trace
32302	46+05W/ 0+55S	Basalt; fine to medium-grained, no carbonate, weakly magnetic, trace pyrite.	trace
32303	46W/ 1+05S	Basalt; fine-grained, no carbonate nor magnetite, trace pyrite.	trace
32304	46W/ 1+15S	Basalt; fine-grained minor pyrite blebs and pyrite filling tight veinlets of carbonate-epidote, sample at edge of andesitic layer.	trace
32305	46W/ 1+25S	Andesite; very fine-grained, siliceous to point of being a chert, conchoidal fracture, light to moderate green, minor very fine-grained disseminated pyrite locally.	trace
32306	46+05W/ 1+40S	Basalt; fine- to medium-grained, banded locally, moderately magnetic with magnetite concentrated in darker bands.	trace
32307	46+10W/ 0+40S	Quartz vein; quartz-epidote-chlorite - (iron-enriched) light purple quartz - carbonate vein with minor pyrite (possibly pyrrhotite) coating fractures, weakly magnetic; minerals create alternate banding with minor brecciation of host mafic metavolcanics, vein trending 130/090, sample from a small 4 foot by 1 1/2 foot pod.	trace

GRAB SAMPLE DESCRIPTION TABLE

PROTEUS RESOURCES INC. - JESSIE LAKE PROPERTY - 1986

<u>SAMPLE IDENTIFIER</u>	<u>CO-ORDINATES or LOCATION</u>	<u>DESCRIPTION</u>	<u>ASSAY Au - oz/ton</u>
32308	46+20W/ 0+50S	Quartz Vein; quartz-carbonate-epidote vein lying along surface of outcrop, trends 140/20SW	trace
32309	L46W/ 0+65S	Basalt; very fine-grained, weakly magnetic, minor carbonate filling tight hairline fractures, 1-2% disseminated pyrite.	trace
32310	46+30W/ 1+80S	Quartz Vein; quartz-feldspar-amphibole vein, minor albitization, minor carbonate, irregular vein in cherty andesite.	0.002
32311	46+80W/ 1+40S	Basalt; medium-grained, biotitic, minor carbonate, non-magnetic, trace pyrite.	trace
32312	46+50W/ 2+30S	Basalt; fine-grained, silicified (quartz-flooded), minor pyrite, minor carbonate, non-magnetic, from a narrow alteration zone trending 065/090.	0.002
32314	Cl. 895757, 150' E of mid-point of E shore of small lake.	Andesite, siliceous, with carbonate veinlets and minor black veinlets. Trace unidentified mineral, silvery or with a high lustre.	0.002
32315	Cl. 895757 175' E of mid-point of E shore of small lake.	Andesite, siliceous with possible talc. Adjacent to porphyry.	trace
32316	Cl. 895757, 400' N & 500' W of Post #2.	Sheared gabbro with minor pyrite	trace
32317	Cl. K895758	Gabbro; carbonatized, sheared, minor chlorite.	0.002
32318	Cl. 895758 40' @ 020 az. from 32109	Gabbro; carbonatized, sheared, minor chlorite; foliation at 025/70W.	trace

GRAB SAMPLE DESCRIPTION TABLE

PROTEUS RESOURCES INC. - JESSIE LAKE PROPERTY - 1986

<u>SAMPLE IDENTIFIER</u>	<u>CO-ORDINATES or LOCATION</u>	<u>DESCRIPTION</u>	<u>ASSAY Au - oz/ton</u>
32319	Cl. 895758 between 32109 and 32122	Aplite; (fine-grained felsic intrusive), silicified, 2-3% pyrite, very rusty when weathered, > 6 ft. width.	0.004
32320	Cl. 895758	Aplite in altered metavolcanics; (subcrop) silicified, trace pyrite.	0.01
32321	Cl. 895758	Gabbro; sheared, with foliation at 040/090; qtz. vein with trace pyrite, trace hematite, moderate Chlorite.	0.002
32322	Trench 3 area, 19+05W/ 8+10S	Alteration Zone; pyritiferous, silicified mafic metavolcanic 5-10% pyrite, quartz flooding, minor magnetite.	0.32
32323	19+35W/ 8+20S	Alteration Zone; pyritiferous, silicified metavolcanics intermixed with fine-grained felsic intrusive, 3% pyrite, lacks quartz flooding.	0.06
32324	17+55W/ 6+85S	Gabbro; altered, fuchsitic, silicified, rusty red with green fuchsite-epidote - probably a boulder albeit a large one.	trace
32325	5+60W/10+25N VLF Grid	Intermediate metavolcanics; tuffs & andesites, trace pyrite sample from 3 places in outcrop.	trace

GRAB SAMPLE DESCRIPTION TABLE

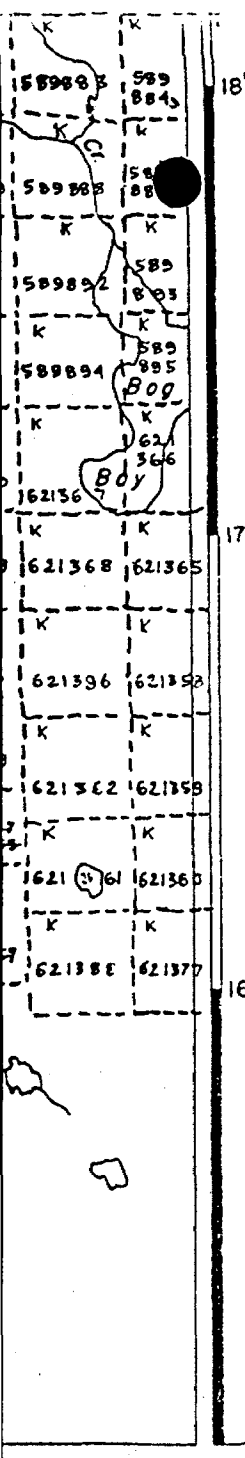
PROTEUS RESOURCES INC. - JESSIE LAKE PROPERTY - 1986

<u>SAMPLE IDENTIFIER</u>	<u>CO-ORDINATES or LOCATION</u>	<u>DESCRIPTION</u>	<u>ASSAY Au - oz/ton</u>
		(2200 ppb humus follow up)	
32326	53W/ 8+75N	Feldspar porphyry with very dark matrix, 5% biotite; trace fine pyrite; some mafic wall rock included.	0.01
32327	53+90W/ 7+00N	Mafic metavolcanic, fine-grained, carbonatized, trace pyrite	0.01
32328	54+00W/ 7+00N	Mafic metavolcanic, medium-grained, carbonatized, trace pyrite	trace
32329	54+10W/ 5+05N	Pillowed mafic metavolcanic, carbonatized, trace pyrite.	trace
		(HUMUS ANOMALIES FOLLOWUP)	
32401	41+05W/ 7+00S	Basalt; fine-grained, vuggy with carb. vein, trace pyrite, sample taken at JLS005 humus sample location (@ 1200 ppb Au)	0.01
32402	41+30W/ 6+95S	Basalt; fine-grained, carbonate-epidote veinlets, trace pyrite, trace magnetite.	trace
32403	41+00W/ 7+30S	Feldspar porphyry; carbonate coating tight fractures, minor pyrite.	0.02
32404	40+00W/ 5+70S	Basalt; fine-grained, alteration zone, siliceous, carbonate, magnetite, black veinlets, grey to yellow quartz flooding, minor pyrite.	0.01
32405	37+00W/ 6+45S	Basalt, fine-grained, (minor) siliceous, quartz vein, minor carbonate, minor wispy pyrite, trace chalcopyrite, pyrite is very silverish in colour (possibly arsenopyrite).	0.002

GRAB SAMPLE DESCRIPTION TABLE

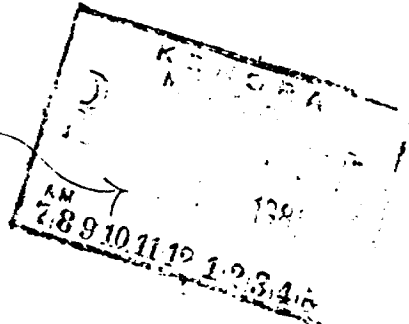
PROTEUS RESOURCES INC. - JESSIE LAKE PROPERTY - 1986

<u>SAMPLE IDENTIFIER</u>	<u>CO-ORDINATES or LOCATION</u>	<u>DESCRIPTION</u>	<u>ASSAY Au - oz/ton</u>
32406	36+75W/ 6+55S	Basalt; fine-grained; moderate carbonate, siliceous matrix, edge of a veinlet zone trending 095/090.	trace
32407	37+15W/ 6+60S	Basalt; fine-grained; (possibly a cherty tuff layer) siliceous, minor disseminated to stringers of pyrite.	trace

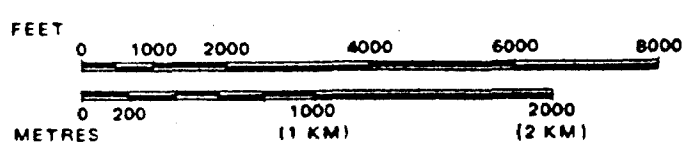


ROW

*Effective as  
shown*



SCALE: 1 INCH = 40 CHAINS



AREA

# DOGPAW LAKE

M.N.R. ADMINISTRATIVE DISTRICT

**KENORA**

MINING DIVISION

**KENORA**

LAND TITLES / REGISTRY DIVISION

**KENORA**



Ministry of Land  
Natural Management  
Resources Branch

Ontario

Date JANUARY, 1984

Number

**G-2613**

493934

**134**

**G-2613**

49°15'

93°45'

#63.4818

OM 86-67,139

THIS SUBMITTAL CONSISTED OF VARIOUS REPORTS, SOME OF WHICH HAVE BEEN CULLED FROM THIS FILE. THE CULLED MATERIAL HAD BEEN PREVIOUSLY SUBMITTED UNDER THE FOLLOWING RECORD SERIES (THE DOCUMENTS CAN BE VIEWED IN THESE SERIES):

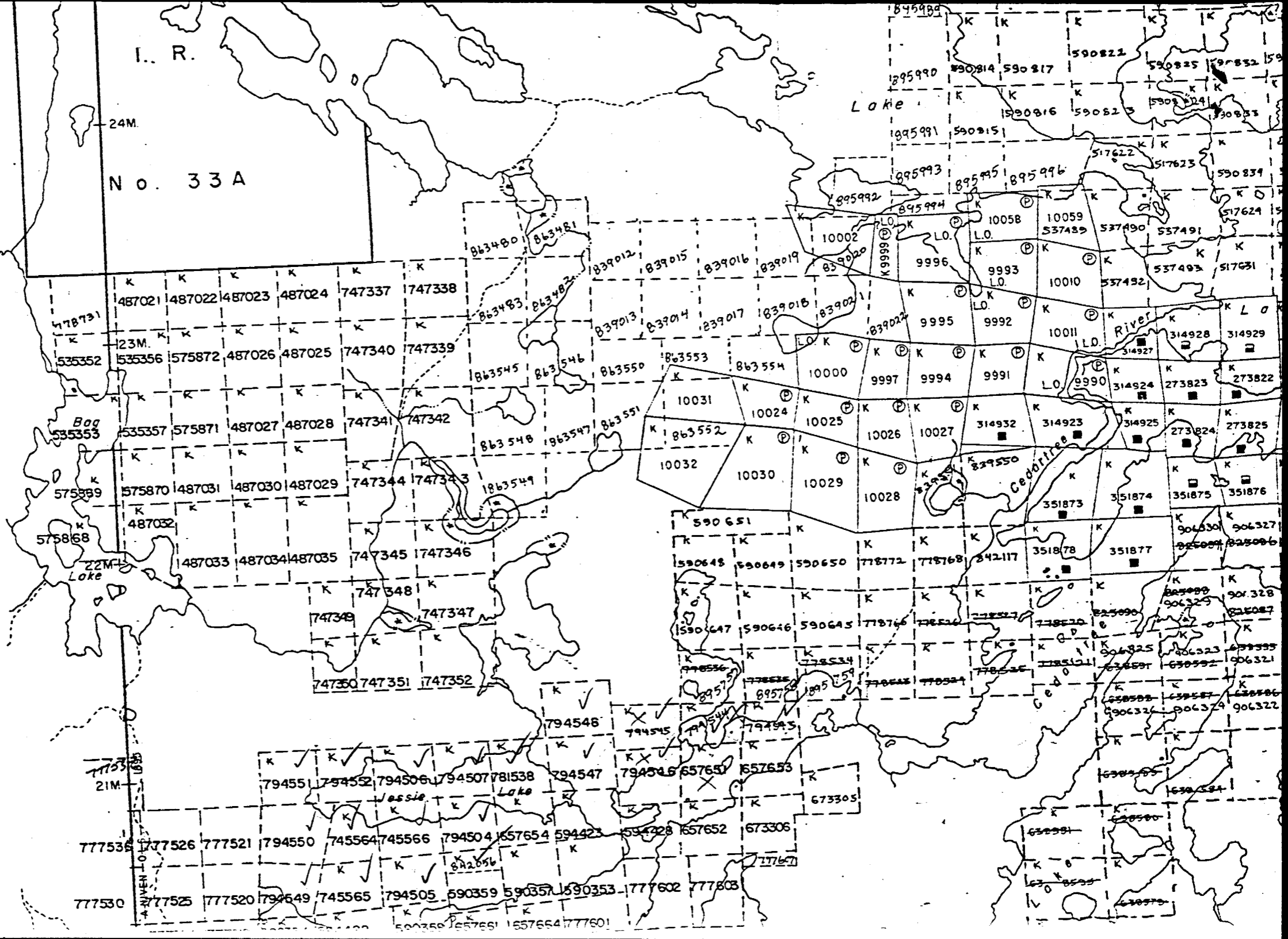
(1) summary of D.D. Holes J86-1-J86-14, → SEE DOGPAW LAKE  
PROTEUS RESOURCES INC. AUG. - SEPT. /86      D.D.R # 50, REPORT  
OF WORK # 140 FOR 1986

TWEEDSMUIR TWP.

FOR STATUS REFER TO TWP. PLAN

No.

No. 33A





PROTEUS RESOURCES INC.  
**DIAMOND DRILL RECORD**

DM86-3-P-67, 139

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. J86-1 LENGTH 600 ft  
 LOCATION grid coordinates 19400 West, 7600 South  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 SURFACE ELEVATION 1143 ft ASL AZIMUTH 156° Grid South DIP -45°  
 STARTED Aug 19/86 FINISHED Aug 22/86

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
collar	-46.5°				
497'	-52°				

HOLE NO. J86-1 SHEET NO. 1/11  
 REMARKS Claim K 794544

LOGGED BY M. Beauregard

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON	ASSAYS	
				FROM	TO	TOTAL						
0	14	Casing; surface at 4 ft. from top of casing.										
14	91.5	(4e) PERIDOTITE Dark greenish black, coarse to medium-grained, soft, easily scratched, weakly pervasively carbonatized, minor chlorite, weakly magnetic locally, slightly sheared / foliated locally; occasional carbonate veinlet to 1/8" width often with minor chlorite. 14-24 Several rubble zones, coarse-grained. 24-68 Medium-grained. Sample 42501 Weak shear zone, several parallel carbonate-gtz veinlets at 30° to core axis, minor blebby pyrite to 1/4". Sample 42502 Weak shear zone, irregular carbonate veinlets, slightly brecciated locally, minor chlorite, trace pyrite, weak foliation at 40° to core axis. 68-87 Coarse-grained with black irregular stringers of amphibole - minor quartz, dusting of phlogopite coating fractures. 75.0 1/2 inch wide carbonate-silicate vein at 40° to core axis. 76.0 Isolated 1/4" bleb of pyrite, slight brecciation locally.										
			42501	minor Py	39.6	41.1	1.5			trace		
			42502	trace Py	47.8	51.6	3.8			trace		

PAUL'S CUSTOM FIRE  
 COCHENOUR.

PROTEUS RESOURCES INC.  
**DIAMOND DRILL RECORD**

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-1 SHEET NO. 2

REMARKS \_\_\_\_\_

LOGGED BY MB

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
87-91.5		Finer-grained gradationally down hole, chilled margin.										
91.5	248.3	(1a, 1d) ANDESITE Moderate to dark greenish grey, fine-grained, weakly carbonized matrix, minor siliceous content, trace to minor chlorite, occasional lapilli fragment, isolated carbonate-quartz veinlets usually at 30° to core axis. This fence-sitting unit could also be called a basalt.										
91.5-91.8		Quartz sweat adjacent to contact, minor chlorite, no pyrite, no apparent fracturing.										
		<u>Sample 42503</u> 2 1/2" wide quartz-carbonate vein at 30° to core axis, silicified and brecciated wallrock, minor foliated chlorite, trace pyrite.	42503	trace PJ	97.0	98.1	1.1			trace		
126-127		1/4" to 1/2" wide carbonate-epidote veinlets subparallel to core.										
134.0		Two slightly felsic lapilli fragments to 3/4" size.										
		<u>Sample 42504</u> 1/2" to 1" carbonate-epidote veinlet subparallel to core from 137.6 to 139.2 ft.	42504	-	137.4	140.4	3.0			trace		



PROTEUS RESOURCES INC.  
**DIAMOND DRILL RECORD**

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-1 SHEET NO. 4

REMARKS \_\_\_\_\_

LOGGED BY MB

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
195.2		1/2" wide quartz-carbonate vein at 40° to core axis, trace chlorite.								
209		Several quartz streaks/veins, 1/4" wide, 30° to core axis.								
		<u>Sample 42508</u> Irregular quartz-carbonate stringers, at least 2 direction sets, trace pyrite.	42508	trace Py	217.5	220.0	2.5			0.01
		<u>Sample 42509</u> Per #42508.	42509	trace Py	220.0	223.0	3.0			0.04
		<u>Sample 42510</u> Irregular quartz-carbonate stringers, trace to minor pyrite at 231.5 feet.	42510	trace Py	230.3	232.5	2.2			0.02
		<u>Sample 42511</u> Greater amount of quartz veining than before with brecciated wall rock.	42511		232.5	233.8	1.3			trace
		<u>Sample 42512</u> Qtz-carbonate-chlorite veins with brecciated mafic metamorphic wallrock and xenoliths; vuggy calcite at 233.9 feet, foliation subparallel to core axis from 236 to 237 feet with trace pyrite.	42512	trace Py	233.8	237.0	3.2			0.02
		<u>Sample 42513</u> Qtz-carbonate-chlorite veins, <sup>foliation</sup> subparallel to core axis from 237 to 239, 15° to core axis from 239 to 240, contact at 40° to core axis at 240.6 feet; minor pyrite locally.	42513	minor Py	237.0	240.6	3.6			0.01



# PROTEUS RESOURCES INC. DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-1 SHEET NO. 6

REMARKS \_\_\_\_\_

LOGGED BY MB

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		<u>Sample 42519</u> Fine- to medium-grained gabbro, chloritized, deformed foliation and quartz-carbonate stringers at 30° to core axis, trace pyrite locally.  261 1/2 ft ground core.	42519	trace py	254.8	258.0	3.2			0.01	
		<u>Sample 42520</u> Gabbro with quartz-carbonate-chlorite vein, 6" wide at 264 feet, trace pyrite in wallrock.  290-292 Quartz sweat with fracturing subparallel to core axis.  297.3-297.6 Silicified contact, contact at 35° to core axis.	42520	trace py	263.0	266.0	3.0			trace	
297.6	337	(1d, 1a) <b>BASALT</b> Dark greenish grey, 5% - 10% chlorite in fine-grained matrix, carb-epidote stringers are common, possible coarse pillows or slight brecciation as one looks down the core. Another fence-sitter, can be considered a dark andesite.									
		<u>Sample 42521</u> 1" wide qtz-carbonate vein at 298.8 feet, 30° to core axis contacts, minor disseminated pyrite in wallrock for 4" above and below vein.	42952		294.6	297.6	3.0			trace	
			42521	minor py	297.6	300.3	2.7			0.04	
			42953		300.3	303.3	3.0			trace	

PROTEUS RESOURCES INC.  
**DIAMOND DRILL RECORD**

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-1 SHEET NO. 10  
 REMARKS \_\_\_\_\_  
 LOGGED BY MB

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON	
					FROM	TO					TOTAL
552.0	565.7	(2f) INTERMEDIATE TO FELSIC TUFF Fine- to medium-grained, slight foliation at 50° to core axis, amphibole phenocrysts from 554 to 555.9 and increasing in % content towards vein below.  <u>Sample 42528</u> Qtz-carbonate-epidote-chlorite vein, trace pyrite, apple green epidote emphasizes weak banding, slickensides through out interval, upper contact at 35° to core axis, lower contact lost in broken core, banding/foliation varies from 35° to 65° to core axis from top of interval with increasing deformation towards central 4" wide Qtz-carbonate core at 557 feet.	42528	trace P	555.9	558.5	2.6			0.01	
565.7	600	(2d) TUFF BRECCIA Felsic (dacitic) clasts to 10" in size (at 566 feet) and intermediate to mafic clasts to 2" in size (596.5 feet) in fine- to coarse-grained feldspar phenocrystic matrix.									

PROTEUS RESOURCES INC.  
**DIAMOND DRILL RECORD**

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-1 SHEET NO. 11

REMARKS \_\_\_\_\_

LOGGED BY MB

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
		600 feet — END OF HOLE —  32 boxes of BQ core stored on core rack behind campsite ——— north shore of narrow bay between Emm Bay of Kakagi Lake and Cedar tree Lake portage.  Casing pulled, diamond drillhole J86-1 marked by wood picket.								



# PROTEUS RESOURCES INC DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-1 SHEET NO. 7

REMARKS \_\_\_\_\_

LOGGED BY MB

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		<u>Sample 42522</u> Silicified mafic metavolcanic with 6" wide Qtz-carbonate vein at 314 feet with trace py, minor epidote and minor amphibole, hairline carbonate stringer network towards bottom of sample interval.	42522	trace	313.8	316.5	2.7			0.04	←
			42955		316.5	319.5	3.0			0.01	
			42954		310.8	313.8	3.0			0.01	
		<u>Sample 42523</u> Aplite vein, 6" wide, light yellowish green with trace pyrite, grades into quartz-carbonate vein, silicified wallrock at bottom of sample interval.	42523	trace	322.5	324.2	1.7			trace	
		<u>Sample 42524</u> Carbonate-quartz vein, 6" wide, 40° to core axis contacts, minor epidote and amphibole.	42524	-	326.0	327.5	1.5			trace	
337.0	406.0	(1d) BASALT Dark green, fine-grained, massive, 5-10% chlorite in matrix, occasional pyrite blebs, rare chlorite stringers (selvages?), minor magnetite.									
	365.5-366.0	Qtz-carbonate-chlorite-amphibole vein 4" wide with 25' to core axis contacts, no pyrite.									
		<u>Sample 42525</u> Qtz-carbonate-epidote-chlorite vein, 1" wide with 20° to core axis contacts centered at 380.5 ft, minor disseminated pyrite in wallrock	42525	minor	379.4	381.3	1.9			0.01	

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-1 SHEET NO. 8

REMARKS \_\_\_\_\_

LOGGED BY MB

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON	
					FROM	TO					TOTAL
406.0	522.0	387-397 Rare blebby pyrite to 1/4". 401.5 1" wide Qtz-carbonate-epidote vein, 30° to core axis contacts. (2F) INTERMEDIATE TO FELSIC TUFF Light greenish to moderate gray; medium-grained, moderately silicified, white feldspars give phenocryst appearance locally, rare pyrite cubes; occasional carbonate-quartz veins or veinlet at 40° to core axis; occasional carbonate-quartz-epidote vein or veinlet (perpendicular to previous vein set) which have blebby pyrite <del>centers</del> rare felsic clasts to 1/4" size. 418-422 Irregular carbonate veins to 2" wide, occasional epidote in veins.  Sample 42526 1" wide Qtz-carbonate-epidote vein at 25° to core axis, trace pyrite in vein center.  436-437 Grind 1 foot. Sample 42527 1 1/2" wide banded Qtz-carbonate-epidote vein, 15° to core axis, minor pyrite with Qtz band, vein centered at 438.5.									
			42526	trace Pj	431.0	433.0	2.0			0.01	
			42527	minor Pj	437.0	439.6	2.6			0.02	

# PROTEUS RESOURCES INC DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-1 SHEET NO. 9

REMARKS \_\_\_\_\_

LOGGED BY MB

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
	462	1/4" wide Qtz - carbonate - epidote vein, contacts at 45° to core axis, trace pyrite in vein center.								
	469.4	1" wide Qtz - carb - epidote banded vein, 70° to core axis, trace pyrite at vein center								
	474.0	3/4" wide Qtz - carb - epidote banded vein, 40° to core axis, trace pyrite.								
	490-498	Brass plated onto core due to mismatching of core barrel, some grinding of core.								
	512.8-514.5	Lapilli tuff flow, felsic and mafic clasts to 1/4 inch.								
522.0	528.5	(2d) TUFF BRECCIA Felsic (dacitic) clasts to 4" and intermediate to mafic clasts to 3/4" in fine-grained tuff matrix.								
528.5	546	(2f) INTERMEDIATE TO FELSIC TUFF Rare felsic clast to 1/2" size.								
546	552	(1a) ANDESITE Gradational contacts								

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. J86-2 LENGTH 447 feet  
 LOCATION grid coordinates 3400 West / 6+50 South  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 SURFACE ELEVATION 1110 feet ASL AZIMUTH 336°, grid north DIP -45°  
 STARTED Aug 24/86 FINISHED Aug 25/86

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
collr	-45.5°				
397'	-50°				

HOLE NO. J86-2 SHEET NO. 1/12  
 REMARKS Claim K79 4545

LOGGED BY M. Beauregard

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
0	20	Casing; surface at 2 ft. from top of casing.									
20	27.5	BASALT (1d) Dark green, fine-grained, every foot or so is quartz-carbonate-epidote stringer at 20° to core axis which may be selvages. Sharp contact at 70° to core axis with unit down hole.									
27.5	55.1	ANDESITE (1a) Moderate greenish grey, fine-grained, foliation at 45° to core axis, can be moderately silicified, occasional chlorite seam (selvages?), occasional qtz-carbonate vein; blocky ground with core less than 8" in length.									
		Sample 42529 Silicified andesite with minor brecciation, 3 qtz-carbonate-epidote veins to 1" wide and at 70° to core axis, trace pyrite, sample includes basalt-andesite contact.	42529	trace py	27.0	31.0	4.0			trace	
		Sample 42530 Silicified andesite with moderate brecciation with chlorite seams, trace blebby pyrite in wallrock, trace pyrite coating fractures; shear/foliation at 45° to core axis at 35.5 to 36 feet.	42530	trace py	31.0	36.0	5.0			trace	

PROTEUS RESOURCES INC.  
**DIAMOND DRILL RECORD**

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. JRB-2 SHEET NO. 2  
 REMARKS \_\_\_\_\_

LOGGED BY MB

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS			
FROM	TO		NO.	FOOTAGE		%	%	OZ/TON	OZ/TON
				FROM	TO				
		47-55.1 Increasing amount of chlorite in matrix with irregular foliation.							
		Sample 42531 chloritized and silicified andesite, chlorite seams to 1/4" wide with slickensides, irregular quartz-carbonate stringers; light yellow oxide mineral coating fracture near top of sample interval — limonite?, jarosite.	42531	52.1	55.1	3.0		Trace	
55.1	71.5	<b>FELDSPAR PORPHYRY (SB)</b> Mottled reddish-greenish-white colour, coarse-grained to phenocrystic, feldspar crystals to 1/8" composition — feldspar 60%, 40%. Fine-grained dark matrix; red colour appears to be hematitic alteration of fine-grained matrix, silicification and minor pyrite at upper and lower contacts.							
		Sample 42532 3" wide silicified contact with minor pyrite, irregular contact due to silicification.	42532	55.1	58.1	3.0		Trace	
			42968	58.1	62.0	3.9			0.004
			969	62.0	66.0	4.0			Trace
			970	66.0	69.0	3.0			Trace
71.5		1/2" wide silicification with minor pyrite at lower contact, contact at 50' to core axis; medium- to fine-grained porphyry.	971	69.0	71.0	2.0			Trace

PROTEUS RESOURCES INC.  
**DIAMOND DRILL RECORD**

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. JRB-2 SHEET NO. 3  
 REMARKS \_\_\_\_\_  
 LOGGED BY MB

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
71.5	85.5	ANDESITE (1a) Moderate green, fine-grained, chloritic matrix, foliation/stringers at 45° to core axis. Sample 42533 Includes silicified contact with minor pyrite; 2 1" wide Qtz-carbonate veins at 72.0 to 72.5 feet.	42533	trace Pj	71.0	74.0	3.0			trace	
85.5	166.5	84-85.5 Gradational lower contact of unit lost in rubble zone. TUFF (2f, 1a) Light to moderate greenish grey, fine-grained, lesser amount of Qtz-carbonate stringers than above, siliceous, andesitic in texture as not as clean as chlorite as ddk rubble zone. Sample 42534 Contains 1 1/2 ft wide rubble zone from 84 to 85.5 feet; chlorite and limonite in open fracture at 30° to core axis; yellow-green oxide mineral coating fracture. Sample 42535 Thin (< 1/4") quartz-carbonate vein subparallel to core axis from 97.0 to 99.3 feet.	42534		82.8	85.8	3.0			0.01	
			42535		96.6	99.6	3.0				

# PROTEUS RESOURCES, INC.

## DIAMOND DRILL RECORD

NAME OF PROPERTY Jessie Lake  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-2 SHEET NO. 4  
 REMARKS \_\_\_\_\_  
 LOGGED BY MB

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		109 Foliation at 70° to core axis.									
100	130	1/4 to 1/2" quartz-carbonate-epidote veinlet usually at 70° to core axis every 2-3 feet; rare fracture with little to no qtz-carbonate at 5-10° to core axis.									
		Sample 42536 Quartz veins in tuff: 4" wide qtz-carbonate vein at 132.5 ft, contacts at 45° to core axis; intermittent stringers from 132.5 to 135 ft; 1/2" qtz-carbonate-epidote vein at 60° to core axis at 135 ft; fractures and qtz-carbonate veins subparallel to core with minor magnetite from 135 to 136 feet.	42536		131.5	136.5	5.0			trace	
137.6	140.5	2 clean fractures subparallel to core.									
		Sample 42537 Tuff (or andesite), chloritization by quartz-carbonate veins; 154.5-155.5 minor disseminated pyrite; 155.5-156.3 irregular qtz-carbonate vein subparallel to core axis; 157 to 157.6 massive qtz-carbonate-chlorite veins.	42537	trace	154.0	158.0	4.0			trace	







# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_

LOCATION \_\_\_\_\_

LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_

ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_

STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-2 SHEET NO. 7

REMARKS \_\_\_\_\_

LOGGED BY MB

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Sample 42541 Contact at 45° to core axis, foliated and brecciated carbonate-silica, minor pyrite.	42541	minor py	219.3	222.0	2.7			trace	
227.0	235.0	Sample 42542 Foliated and brecciated carbonate-silica. SILICIFIED TUFF (2F) Brecciated tuff with quartz-carbonate veins. Minor chlorite and hematite in fractures.	42542	-	222.0	227.0	5.0			trace	
		Sample 42543 Silicified, brecciated tuff with trace pyrite from 228 to 229 feet.	42543	trace py	227.0	232.0	5.0			trace	
		Sample 42544 Silicified, brecciated tuff to 235 ft, 4 inch wide quartz-chlorite vein (45° core axis contacts/foliation) at 234 feet.	42544	-	232.0	237.0	5.0			trace	
235.0	247.0	QUARTZ-CARBONATE VEINS, BRECCIATED TUFF									
		Sample 42545 Quartz-carbonate veins with trace pyrite at 238.5 feet; very fine-grained aplite veins with light pink feldspar crosscut in turn by epidote-carbonate veinlets at 240.5 to 241.3 feet	42545	trace py	237.0	242.0	5.0			trace	





PROTEUS RESOURCES INC  
**DIAMOND DRILL RECORD**

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-2 SHEET NO. 10

REMARKS \_\_\_\_\_

LOGGED BY MB

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		304.5	2 inch wide Qtz - minor carbonate - epidote - pink feldspar vein at 45° to core axis.								
		320.5	Fracture at 45° to core axis with coating of bright yellow oxide, carbonate and hematite.								
		322.0	Several Qtz - pink feldspar veinlets at 60° to core axis								
		326.2	Banded hematite - carbonate / epidote - quartz vein up to 4 inches wide with crosscutting pink feldspar veinlets, banded vein at 60° to core axis.								
		331-334	Thin hematitic seams both irregular or parallel to foliation, foliation at 45° to core axis, less siliceous, grainy appearance.								
		338-340	Moderate brown due to hematite in matrix, possibly a metasediment.								









PROTEUS RESOURCES INC.  
**DIAMOND DRILL RECORD**

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. JBb-3 SHEET NO. 2

REMARKS \_\_\_\_\_

LOGGED BY MB

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
		core axis, second set of carbonate-quartz veinlets to stringers perpendicular to first set.										
	65.5	1 inch wide banded gtz-carbonate at 30° to core axis, twice offset slightly by parallel carbonate-gtz stringers perpendicular to vein.										
		Sample 42556 Silicified, chloritized andesite, fine-grained to very fine-grained; quartz-carbonate-epidote veinlets increasing towards contact at bottom of sample interval, minor pyrite at 71 ft and 72 feet above veining; foliation / slight shearing at 60° to core axis	42556	trace py	70.2	72.8	2.6			0.01		
	72.8	Sharp, silicified contact into basalt downhole, contact at 70° to core axis.										
72.8	113.5	BASALT (1d) Dark greenish black, fine- to medium-grained, moderately magnetic, trace pyrite associated with isolated gtz-carbonate-epidote veinlets to veins.										
		Sample 42557 Quartz-carbonate-trace epidote veinlets, minor disseminated pyrite at 75 ft.	42557	trace py	72.8	77.0	4.2			0.01		
		Sample 42558 Irregular gtz-carbonate-epidote veinlets; disseminated pyrite at 78.2 <del>ft</del> , 79.0, 79.6 and 80.8 feet adjacent to veinlets.	42558	trace py	77.0	81.5	4.5			trace		

# PROTEUS RESOURCES INC. DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-3 SHEET NO. 3  
 REMARKS \_\_\_\_\_  
 LOGGED BY MB

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Sample 42559 Occasional vein with associated disseminated pyrite in wallrock. 81.8 ft = 2 1/2 inch wide Qtz-carbonate-epidote vein 83.5 = Irregular vein with 1/2 inch bleb pyrite 84.5 - 86.5 Disseminated trace pyrite.	42559	trace PJ	81.5	86.5	5.0			trace	
		97-98 Rubble zone, ground core, chlorite and trace hematite with slickensides.									
		Sample 42560 106.2-106.8 Irregular Qtz-carbonate-epidote veinlets with minor disseminated pyrite 108-108.8 veinlet subparallel to core axis with 5-10% pyrite	42560	minor PJ	106.0	110.0	4.0			0.01	
		Sample 42561 Minor blebs to 1/8 inch size of pyrite in increasingly siliceous basalt downhole towards contact.	42561	minor PJ	110.0	113.5	3.5			trace	
113.5	163.2	113.5 - 114 Silicified andesite comprising gradational contact between basalt up hole and tuff down hole. TUFF (2f, 1a) Light greenish grey, fine- to medium-grained, carbonatized, chloritized, siliceous (doesn't scratch) thinly bedded locally, trace to minor pyrite associated with occasional aplitic quartz-carbonate-epidote veining.									



# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-3 SHEET NO. 5

REMARKS \_\_\_\_\_

LOGGED BY MB

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON	
					FROM	TO					TOTAL
		Sample 42567 Thinly bedded chloritic tuff with pyrite either desseminated and blebby or parallel to bedding and blebby, pyrite is associated with adjacent qtz-carbonate stringers.	42567	trace PY	149.8	152.3	2.5			trace	
		Sample 42568 Per sample 42567.	42568	minor PY	152.3	155.8	3.5			Trace	
163.2	290.2	158.0 4 inch wide - thinly bedded tuff with trace pyrite. BASALT (1d) Dark greenish black, fine-grained, chloritized, magnetic, weakly carbonatized, blebby pyrite and blebby magnetite locally, gradational contact with unit up hole.									
		Sample 42569 Minor desseminated pyrite in basalt, to 1/8 inch blebs at 163.5, 164.3 and 166 - 167 feet.	42569	minor PY	163.2	167.0	3.8			0.01	
		Sample 42570 Qtz-carbonate-epidote vein at 172.4 feet with contacts at 60° to core axis, irregular qtz-carb-chlorite veinlets throughout rest of sample interval downhole, occasional pyrite bleb.	42570	trace PY	170.5	174.5	4.0			0.01	
		Sample 42571 Several, up to 6 inches wide, brecciated qtz-carbonate-epidote veins with trace desseminated pyrite; 187-188 siliceous with 2-3% pyrite.	42571	minor PY	184.3	188.0	3.7			0.02	



# PROTEUS RESOURCES INC. DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J 86-3 SHEET NO. 7  
 REMARKS \_\_\_\_\_  
 LOGGED BY MB

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		brecciated wallrock, minor pyrite but 1 large (2 inch wide) bleb at 220.7 ft.									
		Sample 42577 Thin, irregular and occasional gtz-carbonate-epidote veins with minor wallrock pyrite.	42577	minor PJ	223.0	225.0	2.0			trace	
		Small veins (< 3 inches wide) with minor disseminated wallrock pyrite at 228.8, 235.0, 236.8, 238.0, 241.8 and 245.6 ft, not sampled.									
		Sample 42578 Thin gtz-carbonate-epidote veins with trace pyrite, brecciated vein from 248.5 to 250 ft	42578	trace PJ	246.5	250.0	3.5			trace	
		Sample 42579 Several gtz-carbonate-epidote veinlets to brecciated veins with minor disseminated wallrock pyrite	42579	trace PJ	250.0	254.0	4.0			0.02	
		259.0 1 ft. long gtz-carbonate-epidote stringer subparallel to core axis.									
		Sample 42580 3 banded to knobby gtz-carbonate-epidote-chlorite veins up to 7 inches wide, trace wallrock pyrite.	42580	trace PJ	261.5	264.0	2.5			trace	

# PROTEUS RESOURCES INC.

## DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-3 SHEET NO. 8

REMARKS \_\_\_\_\_

LOGGED BY MB

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
		Small veins with minor disseminated wallrock pyrite at 266.0', 269.0' and 282.5 ft.								
		292.5 2 inch wide brecciated zone, angular fragments in carbonate veining.								
		270-290 Increasingly andesitic.								
290.2	297.8	QUARTZ FELDSPAR PORPHYRY? (5d) <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">siliceous</span> Moderate grey, fine- to medium-grained, <del>homogenous</del> , lacks foliation, sharp silicified contacts at 50° to core axis with trace pyrite for 1 to 2 inches in uphole and downhole units.								
297.8	303.2	ANDESITE (1a, 1d) Moderate grey to greenish grey (fence-sitter between basalt and andesite), fine- to med-grained, slightly foliated and brecciated at occasional Qtz-carbonate-epidote veins.								
		Sample 42581 Irregular Qtz-carbonate veins to 2 inches wide, minor pyrite in wallrock.	42581	minor 0	299.1	301.7	2.6			Trace







PROTEUS RESOURCES INC  
**DIAMOND DRILL RECORD**

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. JR6-3 SHEET NO. 11  
 REMARKS \_\_\_\_\_  
 LOGGED BY MB

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
352.0	368.0	FELD SPAR PORPHYRY (5b) Mottled greenish-white, homogenous, coarse grained to plencrystic feldspar, occasional shallow angle crosscutting qtz-carbonate veinlet, trace fine-grained pyrite.									
		Sample 42592 Minor plencrystic mafic mineral	42592		352.0	355.0	3.0			trace	trace
		Sample 42593 Clean porphyry	42593		355.0	360.0	5.0			trace	
		Sample 42594 Trace pyrite.	42594	trace	360.0	364.0	4.0			trace	
		Sample 42595 Minor pyrite.	42595	min	364.0	366.0	4.0			0.01	
		Sample 42596 Siliceous from 367.0 feet, increasing amount of pyrite.	42596	1-2% py	366.0	367.5	1.5			trace	
		Sample 42597 Contact to unit downhole at 45° to core axis, porphyry uphole from contact is silicified with 1-2% fine-grained disseminated pyrite; at 367.9' in porphyry, is qtz stringer at 5° to core axis with 12+ specks visible gold, specks form clump 1/4" long and ~1/16" wide along qtz stringer, 1 more speck 2 inches away along qtz stringer; whole core sent for assay.	42597	1-2% py VF	367.5	368.5	1.0			2.68	(avg of 2 assays)











# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J86-4

SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
		Sample 42717	Up to 1 foot wide irregular Qtz - epidote - chlorite - minor carbonate - trace pyrite vein, trace pyrite in wallrock.	42717	trace PY	50.5	53.5	3.0			trace	
		Sample 42718	Chlorite - Qtz - minor carbonate veins both irregular and subparallel to core axis, trace pyrite.	42718	trace PY	53.5	56.5	3.0			0.01	
		Sample 42719	Up to 1 1/2 foot wide irregular Qtz - epidote - chlorite - minor carbonate vein from 56.5 to 58 ft then chlorite veins up to 1/2 inch wide.	42719	trace PY	56.5	59.0	2.5			trace	
		Sample 42720	Irregular Qtz - carbonate vein from 59 to 60 ft followed by epidote - Qtz - minor carbonate veinlets at 5° to core axis.	42720	minor PY	59.0	63.0	4.0			trace	
		Sample 42721	Decreasing amount of veins, trace blebby pyrite in wallrock	42721	trace PY	63.0	67.0	4.0			0.01	
		Sample 42722	Base of unit sample; round pyrite blebs to 1/4 inch adjacent to 1 inch wide Qtz - carbonate - minor pink feldspar vein perpendicular to core axis, at 71.6 ft.	42722	trace PY	69.3	71.8	2.5			0.01	
71.8	92.0	<b>ANDESITE (1a, 2f)</b> Moderate greenish grey to moderate grey; fine-grained to cherty; tuff and chert subunits; bedding/laminations locally; minor wallrock pyrite adjacent to occasional veining oriented 80° to core axis; cross cutting Qtz - minor carbonate veinlets usually subparallel to core axis.										



# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J86-4

SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ./TON	OZ./TON	
					FROM	TO	TOTAL					
		Sample 42723	Top of unit sample, clastic, irregular pyrite to 1/2 inch size at 73 feet	42723	trace PJ	71.8	77.3	2.5			trace	
		Sample 42724	Silicified and tuffaceous, minor pyrite associated with 6 inch wide qtz-carbonate vein oriented 70° to core axis at bottom of sample interval	42724	trace PJ	81.0	84.0	3.0			trace	
		84.5	Laminations / thin bedding at 80° to core axis.									
		84.7 - 86.0	Qtz-carbonate stringer subparallel to core axis offsetting qtz veins / streaks, oriented 80° to core axis, by 2 inches.									
		92.0	Gradational contact to unit down hole.									
92.0	232.4	BASALT (Hj. la.) Dark greenish grey to black, fine-grained, chloritized, weakly carbonatized, magnetic, weakly foliation oriented 50° to core axis, occasional qtz-carbonate ± epidote ± wall rock pyrite subparallel to foliation, slightly brecciated locally.										
		Sample 42725	6 inch wide qtz-carbonate - minor magnetic vein with 5 to 10% pyrite at 127 ft with contacts oriented 45° to core axis; slightly brecciated elsewhere in sample interval with minor disseminated wall rock pyrite at 125.8, 126.3 and 128 ft.	42725	upto 5% PJ	125.5	128.5	3.0			trace	
		Sample 42726	1 foot wide <del>qtz-carbonate</del> qtz - minor carbonate - minor chlorite vein from 176 to 177 feet; <del>1 foot wide</del> 1 foot wide	42726	upto 20% PJ	174.5	177.5	3.0			trace	

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J86-4

SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
		Sample 42726 (cont.)										
		Sample 42727										
		214 plus. Increasingly brecciated and approaching andesite by colour index.										
		222 plus. Irregular and deformed patches of gtz - carbonate stringers henceforth.										
232.4	241.0	SHEARED BASALT Brecciated basalt with slight to moderate brecciation emphasized by gtz - carbonate stringers; increasingly siliceous downhole.										
		Sample 42728 Brecciated, slightly sheared mafic melanocratic	42728	trace	226.4	229.4	3.0					trace
		Sample 42729 As above.	42729	trace	229.4	232.4	3.0					trace
		Sample 42730 Sheared, chloritized with irregular dark grey gtz - carbonate veins, minor pyrite	42730	minor	232.4	234.5	2.1					trace
		Sample 42731 As above, less gtz veins; foliation at 45° to core axis.	42731	minor	234.5	236.5	2.0					trace
		Sample 42732 As above, increasingly siliceous; 1-2% pyrite	42732	1-2%	236.5	239.0	2.5					0.01
		Sample 42733 As above, wallrock sample to alteration zone downhole; contact oriented at 55° to core axis.	42733	1-2%	239.0	241.0	2.0					trace

# DIAMOND DRILL RECORD

 NAME OF PROPERTY JESSIE LAKE

 HOLE NO. JRB-4

 SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
241.0	255.4	ALTERATION ZONE Very siliceous to quartz flooded qtz - minor carbonate veining in up to 40% brecciated to xenolithic chloritized mafic metavolcanic; locally up to 10% fine-grained disseminated pyrite, granular fracture-filling magnetite locally.								
		Sample 42734 Qtz flooded, fracture brecciation but sealed, 5% disseminated pyrite; chloritized brecciated metavolcanic towards bottom of sample.	42734	5% py	241.0	243.0	2.0			trace
		Sample 42735 As above, light yellowish brown qtz; irregular veinlets of granular to fine-grained magnetite.	42735	5% py	243.0	244.7	1.7			trace
		Sample 42736 As above, increased amount of magnetite, visible gold in 1mm wide qtz stringer oriented 10° to core axis from 245 to 245.6 ft; one spot $\frac{1}{16}$ inch (seam filled) by $\frac{1}{2}$ inch with 8 other specks. Whole core sent.	42736	VG	244.7	246.0	1.3			0.01 0.004
		Sample 42737 Brecciated, dark grey qtz flooding with 5% magnetite, 5% pyrite, minor chlorite.	42737	5% py	246.0	247.7	1.7			0.02
		Sample 42738 As above.	42738	5% py	247.7	249.7	2.0			0.01
		Sample 42739 Brecciated qtz flooding with sealed qtz filled fractures, 5 to 10% fine-grained to 1mm euhedral disseminated pyrite; up to 5% fine-grained to granular seam filling magnetite locally.	42739	5- 10% py	249.7	252.7	3.0			0.02

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J 86 - 4

SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Sample 42740 As above but with trace light pink feldspar, contact to unit downhole at 45° to core axis.	42740	5 to 10% py	252.7	255.7	3.0			0.02	
255.4	263.5	INTERMIXED ALTERATION ZONE AND ALTERED BASALT (1d) Moderately silicified, chloritized basalt with predominating veins to qtz flooding over widths of 2 feet foot; shearing at 45° to core axis, minor to 5% pyrite.									
		Sample 42741 Sheared, qtz banded mafic metavolcanic at top of sample interval, 6 inch wide brecciated qtz vein at bottom of interval with 5% pyrite.	42741	minor py	255.7	257.3	1.6			Trace	
		Sample 42742 As above; subparallel to core axis foliation - crosscutting fracture at 259.5 feet with red hematite coating - slickensides here indicate movement parallel to foliation.	42742	minor py	257.3	260.7	3.4			0.01	
		Sample 42743 Dark grayish blue qtz vein, contacts oriented at 50° to core axis, fine veinlets of magnetite, 2 - 3% blebby pyrite.	42743	2-3% py	260.7	262.5	1.8			0.02	
		Sample 42744 Slight banding consisting of qtz-carbonate veins with minor chlorite and pink feldspar; 2 inch wide qtz vein/flooding at top of interval with 5% disseminated fine-grained pyrite	42744	minor py	262.5	263.5	1.0			0.02	

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J86-4 SHEET NO. 7

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
263.5	337.0	<p><b>BASALT (1d, 1a)</b></p> <p>Dark greenish grey to black, fine-grained, chloritized slightly siliceous; <del>andesite</del> andesite at top of unit below alteration zone grading to trace basalt downhole.</p>								
		<p>Sample 42745 Wallrock sample downhole of alteration zone, slightly brecciated, veins/veinlets oriented 45° to core axis</p>	42745		263.5	267.0	3.5			trace
		<p>Sample 42746 Decreasing amount of evident shearing</p>	42746		267.0	270.0	3.0			trace
		<p>271.5 Hematitic alteration for 1 inch adjacent to qtz-carbonate veinlet.</p>								
		<p>Sample 42747 1.5 foot wide quartz-carbonate-minor chlorite-minor fuchsite vein with trace pyrite; contacts and foliation at 45° to core axis</p>	42747	trace	288.0	291.0	3.0			trace
		<p>Sample 42748 1 foot wide qtz-carbonate-chlorite vein, minor fuchsite, trace pyrite, slightly brecciated</p>	42748	trace	296.0	299.0	3.0			trace
		<p>Sample 42749 As above</p>	42749	trace	299.0	302.0	3.0			0.01
		<p>Sample 42750 Slightly brecciated and chloritized rock</p>	42750		302.0	305.0	3.0			trace
		<p>323-337 Epidote-qtz-carbonate stringers/veinlets parallel to foliation oriented 40° to core axis.</p>								
	337.0	<p><b>END OF HOLE</b></p> <p>18 boxes of BQ core stored on rock behind camp. Casing pulled and hole marked by flagged wood picket.</p>								



# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J86-5

SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Sample 42649 Siliceous basalt, minor irregular qtz-carbonate stringers, blebs of pyrite at 324.6 ft, trace py elsewhere.	42649	trace py	24.0	27.0	3.0			trace	
		33.0 Open fracture with minor hematite, loss of return water occurred here.									
		35.0 Faint laminations at 60° to core axis.									
		Sample 42650 Ultramafic dyke from 52.9 to 53.7 ft, 60% amphibole, 30% plagioclase, 10% carbonate, minor pyrite; dyke is siliceous with qtz stringers oriented at 60° to core axis, contacts at 60° to core axis.	42650	minor py	52.0	54.0	2.0			trace	
		Sample 42651 Siliceous basalt with several hairline qtz stringers subparallel to core.	42651	-	54.0	56.0	2.0			0.02	
		Sample 42652 Grading to a dark andesite, interval contains several qtz-carbonate-epidote - minor pyrite in wall rock with contacts at 45° to core axis.	42652	minor py	56.0	59.5	3.5			trace	
60.4	88.0	TUFF (2f, 1a, 3) Light greenish grey, fine-grained, occasionally laminated (= thin bedding?); qtz stringers parallel to laminations/bedding; andesite and chert subunits.									
		Sample 42653 Increasingly siliceous downhole, fine to grain size; andesitic by colour index from 59.5 to 60.4 ft; from 60.4 to 61.0 ft is aphanitic qtz-carbonate-trace epidote banded vein, contacts at 45° to core axis.	42653	trace py	59.5	62.7	3.2			trace	

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J 86-5 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
		42653 (cont)								
		61.0 to 62.2 ft is light greenish gray chert with fine laminations 45° to core axis from 62.0 to 62.2 ft; grades into a tuff at 62.2 ft.								
		65.0 2 sets of qtz - minor carbonate stringers parallel to foliation/bedding which is oriented at 45° to core axis, crosscut but not offset by qtz-carbonate stringers perpendicular to bedding.								
		69.0 2 blebs of magnetic pyrrhotite.								
		74-76 Cherty laminations at 45° to core axis, several blebs of pyrrhotite adjacent to bedding, oriented qtz vein/sucess.								
		84-88 Increasingly darker tuff downhole, andesite by colour index, slight brecciation, no sulphides.								
88.0	271.2	BASALT (ld) Dark greenish black, fine- to medium-grained, magnetic, <sup>overlapping</sup> subhedral magnetite crystals associated with subhedral to anhedral pyrite crystals; pyrite and magnetite are separate; chloritized, slight foliation locally.								
		88-90 Increasingly mafic downhole.								
		90-92 First magnetite/pyrite zone 6 inches wide and immediately uphole from 2 inch wide qtz-carbonate minor chlorite veinlet oriented 60° to core axis.								



# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. J86-5 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPH IDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Magnetite/pyrite zones occur every 2 ft or so downhole and are usually less than 1 foot wide.									
		Sample 42654 Interval contains 3 pyrite/magnetite zones spaced on the order of 1 foot apart	42654	min py	97.0	100.0	3.0			0.01	
		Sample 42655 As above.	42655	min py	100.0	103.0	3.0			trace	
		Sample 42656 As above.	42657	min py	103.0	107.0	3.0			trace	
		Henceforth, pyrite/magnetite zones are spaced apart on the order of 2 to 3 ft becoming less common with less concentration of minerals downhole.									
		Sample 42657 2 pyrite/magnetite zones.	42657	trace py	136.0	140.0	4.0			trace	
		156-166 Medium- to coarse-grained basalt (bc) subunit with gradational contacts.									
		166 ± Increasingly carbonatized downhole.									
		Sample 42658 Minn chlorite, trace pyrite in slightly foliated basalt in 0.5 ft above contact with andesitic subunit described below.	42658	trace py	168.0	170.5	2.5			trace	
		169.5-174.2 Andesitic subunit, sharp uphole contact oriented 45° to core axis, gradational downhole contact.									
		Sample 42659 Trace disseminated pyrite, occasional gtz-carbonate-miner epidote vein/veinlet.	42659	trace py	186.0	191.0	5.0			trace	
		Sample 42660 Banded chlorite-gtz-carbonate vein from 201.8 to 203.3 ft, irregular with upper contact oriented 40° to core axis.	42660	trace py	201.0	204.0	3.0			trace	



# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J 86-5

SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Sample 42665	42665	trace PY	271.0	274.0	3.0			0.01	
		Sample 42666	42666	trace PY	274.0	277.0	3.0			trace	
		Sample 42667	42667	trace PY	288.0	292.0	4.0			trace	
		Sample 42668	42668	trace PY	292.0	294.0	2.0			trace	
		Sample 42669	42669	minor PY	294.0	296.0	2.0			trace	
296.2	318.5	FELDSPAR PORPHYRY (Sb) <del>Altered</del> Described by sub units. 296.2 - 301.0 Altered feldspar porphyry; mottled greenish-red, fine-grained, siliceous, grading to porphyritic downhole with green anhedral feldspar phenocrysts set in an hematitized									

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J86-5 SHEET NO. 7

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		red matrix; sericitized, that is, 2-3% hexagonal white mica flakes to 1/8 inch (2 mm) size, minor disseminated pyrite.									
		301.0 Abrupt, jagged contact to fresh porphyry with minor chlorite rim at contact.									
		301.0-313.0 Mottled greenish grey; light green feldspar phenocrysts, dark grey matrix; <sup>occasional</sup> structures oriented at 60° to core axis with immediate alteration as described in first subunit for 1/2 to 1 inch from fracture <sup>such</sup> structures at 304.0 <sup>and</sup> 305.4 and 308-2 ft; rare irregular shallow <sup>angle</sup> to core axis Qtz-carbonate hairline stringers, trace fine-grained pyrite.									
		313.0-318.5 Altered feldspar porphyry; mottled greenish red to mottled greenish grey; fine-grained to porphyritic; lacks sericite, trace to minor fine-grained pyrite.									
		Sample 42670 Contains irregular gradational contact, altered siliceous fine-grained porphyry with minor sericite, minor pyrite.	42670	minor py	296.0	297.0	1.0				trace
		Sample 42671 Altered porphyry, grain size increases to porphyritic from 298 ft. plus, minor sericite, pyrite.	42671	minor py	297.0	299.0	2.0				trace
		Sample 42672 Altered porphyry, trace sericite, pyrite; contact to fresh porphyry at bottom of interval	42672	trace py	299.0	301.0	2.0				trace

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. J86-5 SHEET NO. 8

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
		Sample 42673	Fresh porphyry, trace pyrite.	42673	trace PJ	301.0	304.0	3.0			trace	
		Sample 42674	As above.	42674	trace PJ	304.0	307.0	3.0			trace	
		Sample 42675	As above.	42675	trace PJ	307.0	310.0	3.0			trace	
		Sample 42676	As above.	42676	trace PJ	310.0	313.0	3.0			trace	
		Sample 42677	Altered feldspar porphyry, intermixed fine-grained to porphyritic material, minor fine-grained disseminated pyrite.	42677	trace PJ	313.0	315.5	2.5			0.01	
		Sample 42678	As above.	42678	trace PJ	315.5	318.0	2.5			trace	
		Sample 42679	Contains contact oriented 45° to core axis, little to no fining in grain size of porphyry at contact at 318.5ft; 4 inches of banded minerals downhole from contact - bands in order from contact are amphibolite-chlorite; pink feldspar - amphibolite-chlorite with minor pyrite; pink feldspar; amphibolite-chlorite; pink feldspar; light green epidote-chlorite; all banding oriented 70° to core axis; brecciated and silicified wall rock.	42679	trace PJ	318.0	319.0	1.0			0.02	
18.5	333.2	ALTERATION ZONE, QTZ - CARBONATE - CHLORITE VEINS, ALTERED ANDESITE (1a) Brecciated, silicified, many sealed fractures, chloritized, foliation/spearing at 45° to core axis where not deformed.										

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J86-5 SHEET NO. 9

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Several <del>ft</del> aphanitic qtz veins <sup>over</sup> up to 1 ft wide.									
		Sample 42680 Dark grey, brecciated qtz-carbonate vein(s) with several xenoliths, sharp contacts at 60° to core axis, up hole and down hole.	42680	min py	319.0	320.8	1.8			trace	
		Sample 42681 Chloritized, deformed, <del>metavolcanic</del> <sup>silicified</sup> mafic metavolcanic with fragments of qtz-carbonate vein material.	42681	trace py	320.8	322.5	1.7			trace	
		Sample 42682 Silicified mafic metavolcanic, lacks <del>clorite</del> chlorite; at bottom of interval is 9 inch wide light brown vein with deformed qtz-carbonate - trace red feldspar - trace chlorite with contacts at 50° to core axis.	42682	trace py	322.5	325.0	2.5			trace	
		Sample 42683 Steeply chloritized andesite; foliation at 40° to core axis, 1 boudinaged qtz-carbonate veinlet parallel to foliation, trace epidote at bottom of interval.	42683	trace py	325.0	328.1	3.1			trace	
		Sample 42684 Light greenish brown qtz vein, 5% very fine-grained disseminated pyrite, min fine-grained phlogopite upper contact at 50° to core axis, lower contact at 40° to core axis.	42684	5% py	328.1	329.8	1.7			0.01	

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J 86-5

SHEET NO. 10

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Sample 42685 Sheared, chloritized andesite with intermixed quartz-carbonate veins to veinlets parallel to foliation; foliation at 400 to core axis.	42685	trace PY	329.8	331.0	1.2			trace	
		Sample 42686 Siliceous vein with foliation/staining from 331 to 332.5 ft, open fracture at 332.5 with 1 inch of rusty wall-rock, vein contains minor fuchsite, this sample interval marks the last of the pervasive silicification; deformed irregular contact to unit downhole from 332.5 to 333.2 ft.	42686	trace PY	331.0	333.2	2.2			0.01	
333.2	343.5	ALTERED ANDESITE (la) Moderate green, fine- to medium-grained, foliation at 45° to core axis, anhedral light yellowish brown mineral which may be siderite or altered plagioclase is common; strongly carbonatized; chloritization is moderate and decreases down hole; numerous irregular qtz-minor carbonate veinlets.									
		Sample 42687 Foliated to slightly brecciated; 2 inch wide pink crystalline calcite at 336.5 ft parallel to foliation	42687		333.2	337.0	3.8			trace	
		Sample 42688 Foliated, altered andesite	42688		337.0	340.0	3.0			0.01	
		Sample 42689 Light yellowish brown mineral most concentrated in this interval; brecciated contact to unit downhole.	42689		340.0	343.5	3.5			trace	

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J86-5 SHEET NO. 11

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
343.5	387.0	<p><b>BASALT (1d, 1a)</b>                      Dark green to greenish black, fine- to medium-grained, strongly to moderately carbonatized, magnetic, &lt;5.5 hardness,</p> <p>Sample 42690 Wallrock sample downhole from alteration. 42690</p> <p>Sample 42691 Contains 9 inch wide Qtz-carbonate-chlorite vein with minor brecciation, contacts at 90° to core axis. 42691</p> <p>Sample 42692 Contains 1.5 ft wide brecciated Qtz-carbonate-chlorite - minor epidote vein. 42692</p>									
387.0	466.8	<p><b>ANDESITE (1a, 2F)</b>                      Moderate green, fine-grained, siliceous to cherty, bedded locally, occasional Qtz-carbonate stringers usually at 40° to core axis, rare lapilli fragment. Gradational contact to unit uphole.</p> <p>Sample 42693 Siliceous, epidote stringers subparallel to <del>the</del> core axis. 42693</p> <p>Sample 42694 Cherty andesite, Qtz-carbonate stringers crosscut by epidote stringers 42694</p> <p>Sample 42695 3 sets of veining: Qtz-epidote vein / smect parallel to foliation at 40° to core axis, crosscut by irregular epidote stringers, crosscut in turn by Qtz-carbonate - minor magnetite veinlets subparallel to core axis. 42695</p>									



# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. JB6-5 SHEET NO. 12

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
		Sample 42696	As above to 400.5 ft, followed by cherty andesite.	42696		399.0	402.0	3.0			trace	
		Sample 42697	Cherty andesite	42697		402.0	405.0	3.0			trace	
		Sample 42698	Cherty andesite with up to 1/2 ft wide breccia zone s; gtz-carbonate veinlets, trace chalcopyrite at 406.5 ft	42698		405.0	408.0	3.0			trace	
		419.5 - <del>424.5</del>	Lapilli fragments < 1/4 inch in size									
		424.5	Faint, thin bedding oriented at 45° to core axis.									
		Sample 42699	Mottled greenish-grey gtz-carb vein from 425 to 426 ft, brecciated, xenoliths, trace pyrite, contacts oriented 40° to core axis (upper) and 55° to core axis (lower)	42699	trace py	424.0	427.0	3.0			0.01	
		450 +	Increasingly basaltic, however, still siliceous									
		458-466	Irregular gtz-carbonate veinlets in slightly brecciated dark andesite.									
		Sample 42700	Quartz-carbonate stringers and slight brecciation at shallow angle to core axis; minor fine-grained pyrite.	42700	minor py	463.0	464.3	1.3			trace	
		Sample 42701	Base of andesite sample; slightly brecciated, irregular gtz-carbonate-minor chlorite veins and veinlets; sharp contact to oriented 45° to core axis to basalt down hole.	42701	trace py	464.3	466.8	2.5			trace	

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J86-5 SHEET NO. 13

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
466.8	484.6	<p><b>BASALT (1d)</b>                      Dark greenish black, fine- to medium-grained, magnetic, weakly carbonatized, blebby wallrock pyrite adjacent to quartz-carbonate veinlets; grain size of matrix increases downhole, i.e. <del>none</del> <sup>unit is</sup> <del>none</del> <sup>blow</sup> with drilled top to south.</p> <p>Sample 42702 Top of basalt unit, <del>is</del> qtz-carbonate veinlets at 45° to core axis with related irregular fracture filling stringers</p> <p>475-484.6 Thin parallel hairline stringers sub parallel to core axis.</p> <p>Sample 42703</p> <p>Sample 42704 Sharp contact to unit downhole oriented 45° to core axis, base of unit sample.</p>									
			42702		466.8	470.0	3.2			Trace	
			42703	Trace pyrite	478.6	481.6	3.0			0.01	
			42704	Minor py	481.6	484.6	3.0			Trace	
484.6	535.5	<p><b>FELDSPAR PORPHYRY (5b)</b>                      Mottled purple, coarse-grained to phenocrysts of feldspar, 1% disseminated euhedral magnetite, &lt;1% fine-grained anhedral feldspar altered to kaolinite, margins at top and bottom are porphyroblastic, that is, feldspar grains are larger than usual (to 1/4 inch size).</p>									

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J86-5

SHEET NO. 14

FOOTAGE		DESCRIPTION	NO.	% SULPH. IDES	SAMPLE			ASSAYS			
FROM	TO				FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Sample 42705	42705		484.6	487.6	3.0			trace	
		Sample 42706	42706		487.6	490.6	3.0			trace	
		Sample 42707	42707		497.0	500.0	3.0			trace	
		Sample 42708	42708		507.0	510.0	3.0			trace	
		Sample 42709	42709		517.0	520.0	3.0			trace	
		Sample 42710	42710		527.0	530.0	3.0			trace	
		Sample 42711	42711		530.0	533.0	3.0			trace	
		Sample 42712	42712		533.0	535.5	2.5			trace	
5355	547.0	BASALT (d) Per basalt description prior to feldspar porphyry.									
		Sample 42713	42713	trace P	535.5	538.5	3.0			0.01	
		Sample 42714	42714	trace P	538.5	541.5	3.0			trace	
547.0		END OF HOLE  29 boxes of BA core stored on core rack behind camp. Campsite is located on north shore of small bay between Finner Bay of Kakagi Lake and the Cedar tree lake portage. Casing was pulled and the hole location marked by tagged wood picket.									

PROTEUS RESOURCES INC.  
**DIAMOND DRILL RECORD**

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. J86-6 LENGTH 397 feet  
 LOCATION VLF grid coordinates L 8400 West / 14400 North  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION 1193 ft ASL AZIMUTH 156° grid south DIP -45°  
 STARTED Sept 1/86 FINISHED Sept. 4/86

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
collar	-47°				
397'	-55°				

HOLE NO. J86-6 SHEET NO. 1  
 REMARKS Claim K794505  
 LOGGED BY M. Beauregard

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
0	5.8	Casing — this number is used from core measurement as initial casing went to 5 ft, drilled, then reamed after to 12 ft. Surface is 2 ft from top of casing.										
5.8	52.5	LAPILLI BASALT, DEBRIS FLOW (1h, 1k) Dark green to dark greenish black, silicified, non magnetic, not carbonatized, weak foliation/banding at ~40° to core axis, trace to minor <sup>magnetic</sup> pyrrhotite as blebs but more often filling fractures, trace subhedral, minute pyrite in quartz-carbonate veinlets and not associated with pyrrhotite (po); lapilli frags are fine-grained basalt to 1 1/2" in size, generally sub angular but can be deformed; matrix is lighter colored, fine-grained, silicified, chloritized, occasionally on a mm scale the matrix exhibits an atoll-like structure of silica grains and slivers which may be metamorphosed and deformed shreds suggesting welded flows, unit as a whole is extremely hard and dense; occasional quartz-minor carbonate veins at 45° to core axis but often irregular; unit contains 1 to 2 ft subunits of silicified basalt with rare lapilli fragments.										

# DIAMOND DRILL RECORD

NAME OF PROPERTY \_\_\_\_\_  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-6 SHEET NO. 2

REMARKS \_\_\_\_\_

LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Sample 42611 Irregular gtz stringers in weakly brecciated zone, minor carbonate coating fractures, blocky ground.	42611		5.8	8.8	3.0			0.01	
12-16		Stretched and rounded lapilli fragments.									
24		Open fracture, loss of return water.	42612		17.0	21.0	4.0			trace	
		Sample 42612 Subangular lapilli fragments, minor fracture filling po associated with several vesicles.	42612	minor po	21.0	25.0	4.0			0.04	
		Sample 42613 As above, 1-2% po; basalt with no fragments from 33 to 34 feet.	42613	1-2% po	25.0	29.0	4.0			trace	
		Sample 42614 Subangular and deformed lapilli fragments, gtz veins at 36 and 38 feet, 2 inches wide and 45° to core axis with 1-2% po.	42614	1-2% po	29.0	34.0	5.0			0.01	
		Sample 42615 Less deformed, occasional lapilli frag.	42615	1-2% po	31.0	38.0	4.0			trace	
		Sample 42616 2 feet of more silicified flow with 5-10% massive po.	42616	5-10% po	38.0	41.0	3.0			trace	
		Sample 42617 Lapilli fragments, fine hairline fractures - gtz stringers, trace po.	42617	trace po	41.0	44.0	3.0			0.02	
		Sample 42618 Lapilli fragments, slightly stretched; 1-2% po, faint solution at 45° to core axis.	42618	1-2% po	44.0	48.5	4.5			0.02	
					48.5	52.5	4.0			trace	

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J 86-6 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
52.5	116.0	<p><b>BASALT (1d, 1a)</b>                      Dark greenish black to moderate green, very siliceous and hard, weakly magnetic, chloritized, non carbonatized save for minor carb in fractures; occasional qtz hairline stringer at 40° to core axis; andesitic and flow top debris subunits.</p> <p>Sample 42619 Wallrock sample to lapilli fragment zone uphole.</p> <p>Sample 42620 Flow top debris, lapilli fragments in a more siliceous, chloritized matrix.</p> <p>78-82 Andesitic subunit with a 1.5 ft wide core of lapilli fragments from 79 to 80.5 ft, lower contact at 30° to core axis, upper contact is irregular.</p> <p>Sample 42621 Silicified basalt grading to amphibolitic andesite (amphibole blebs in silicified matrix), slight brecciation.</p> <p>Sample 42622 Amphibolitic mafic metabasaltic to 95.8 ft, followed by debris flow top/veining; lapilli fragments in silica-epidote-minor carbonate matrix.</p> <p>Sample 42623 Numerous subangular lapilli fragments, hairline stringers which are irregular and crosscutting, minor po, amphibolitic andesite from 97 to 99.5, 99.5 to 100.5 ft.</p> <p>106-108.5 2 sets of crosscutting qtz stringers but no clear sense of offset; 1 clear set at 40° to core axis.</p>										
			42619		52.5	56.5	4.0				trace	
			42620	trace po	73.0	75.0	2.0				trace	
					90.0	93.0	3.0				trace	
					93.0	97.0	4.0				trace	
				minor po	97.0	101.0	4.0				trace	

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J 86-6 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
116.0	200.0	Sample 42624 Lapilli fragment zone. LAPILLI BASALT, DEBRIS FLOW (1h, 1k) Lapilli basalt predominates over subunits of fine-grained siliceous basalt and bedded cherty mafic metavolcanic.	42624		116.0	121.0	5.0			trace	
		116 - 122.4 Lapilli fragment zone									
		124 - 127 Lapilli fragment zone									
		129 - 132 Lapilli fragment zone.									
		Sample 42625 Lapilli fragment zone with matrix comprising carbonate-minor epidote veinlets, trace po.	42625	trace po	133.5	135.5	2.0			0.02	
		140 - 143 Amphibolite, increasing dentiness in down hole direction in unit sense.									
		150.0 6 inch wide, thinly bedded cherty mafic metavolcanic, bedding at 30° to core axis.									
		150.8 - 190.0 Lapilli fragments are fine-grained, rounded to bracciated/deformed, siliceous to cherty mafic metavolcanic in a quartz-Hornblende-epidote(?) - minor carbonate enriched matrix, possibly a metamorphosed welded flow package; no sulphides, occasional thin zones of amphibole blebs.									
		190 - 196 Light green lapilli fragments (intermediate by colour index), fragments are still cherty and deformed.									

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J86-6 SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Sample 42626 Wallrock sample to tuffaceous unit downhole; 6 inch wide qtz - minor amphibole vein/sweat from 199 to 199.5 ft, with contacts at 60° to core axis; ground core at contact; contact is gradational (?) to tuff down hole.	42626		196.0	200.0	4.0			trace	
200.0	220.0	TUFF (2F) Medium grey, medium-grained and homogenous with coarser crystals of amphibole (<2%) and plagioclase (<5%), faint foliation at 40° to core axis, trace to minor disseminated fine-grained magnetic po, possibly trace pyrite throughout interval; increasingly siliceous downhole with 4 ft plus gradational contact to chert downhole.									
		Sample 42627 Minor fracture-filling po immediately below contact; trace disseminated po throughout sample; occasional qtz stringers at 45° to core axis.	42627	trace po	200.0	204.0	4.0			trace	
		Sample 42628 Trace disseminated po.	42628	trace po	204.0	208.0	4.0			0.01	
		Sample 42629 Gradationally changes to fine-grained siliceous tuff, 1-2% fine-grained disseminated po.	42629	1-2% po	208.0	212.0	4.0			0.02	
		Sample 42630 Fine-grained siliceous tuff, 1-2% po, trace pyrite coating fractures, blocky ground.	42630	1-2% po trace py	212.0	216.0	4.0			0.01	



# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J86-6 SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Au Ag		
					FROM	TO			TOTAL	OZ/TON	OZ/TON
		Sample 42631 Siliceous tuff, gradually changes to chert in this interval; rubble zone at 218 ft.	42631	minor po	216.0	220.0	4.0			0.01	
220.0	248.0	CHERT (3, 2f) Medium to light grey, Very siliceous, conchoidal fracture, no observable grain size; thinly banded to laminated with bedding at 35° to core axis; qtz veins up to 2 inches wide occur every foot or so with 5% associated po as banded sulphides plus fracture-filling po with minor chalcopyrite, minor pyrite.									
		Sample 42632 Medium grey chert with minor po as hairline stringers and occasional bleb to 1/8 inch size.	42632	minor po	220.0	224.0	4.0			trace	
		Sample 42633 Lighter grey, slight brecciation, hairline fractures filled by minor po.	42633	minor po	224.0	228.0	4.0			trace	
		Sample 42634 Contact between light greenish grey chert uphole and medium-grey chert downhole at 229.3 ft; contact at 30° to core axis with 5% po, trace pyrite along contact; at 230.9 is a 1/2 inch wide qtz vein with associated 5% po, trace pyrite, vein at 30° to core axis.	42634	minor to 5% po trace py	228.0	231.0	3.0			trace	nil
		Sample 42635 Thinly banded to laminated chert with 2% banded po plus fracture filling po, minor chalcopyrite near a qtz vein parallel to bedding at 233.5 ft.		up to 2% po, minor ccp	231.0	234.0	3.0			trace	nil

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J86-6

SHEET NO. 7

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Au Ag		
					FROM	TO			TOTAL	OZ/TON	OZ/TON
		Sample 42636 Lacks banding. 5% po, minor <del>ccp</del> chalcopyrite associated with small veins at 235 and 236.5 ft.	42636	up to 5% po, minor ccp	234.0	237.0	3.0			trace	nil
		Sample 42637 Thinly bedded with bedded sulphide at top and bottom of interval; middle foot contains stretched qtz hairline thin ribbons; bedded sulphide is 5% po; also fracture filling po with minor chalcopyrite associated with banding/qtz veins.	42637	5% po, minor ccp	237.0	240.0	3.0			trace	nil
		Sample 42638 Highest concentration of sulphides in <del>banded chert / qtz veins</del> , 15% <sup>bedded + fracture filling</sup> po, 1-2% chalcopyrite, trace pyrite and 2 small lath-shaped crystals of silverish mineral (arsenopyrite?); qtz-minor carbonate vein at 241.5 ft.	42638	up to 15% po, 1-2% ccp, trace py, asp.	240.0	243.0	3.0			trace	nil
		Sample 42639 Similar to 42638, 10% po, minor chalcopyrite, trace pyrite, grades towards a siliceous tuff from 245.5 ft downhole.	42639	up to 10% po, minor ccp, trace py	243.0	246.0	3.0			trace	nil
		Sample 42640 Thinly bedded siliceous tuff with parallel to bedding qtz-carbonate veins, <5% po and trace pyrite in bedded sulphides; contact at 248.0 at 30° to core axis with minor po along contact.	42640	<5% po, trace py	246.0	248.2	2.2			trace	nil

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. J 86-6 SHEET NO. 8

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
248.0	262.0	<p><b>ANDESITE (1a)</b>                      Moderate to dark greenish grey; medium-grained, trace to minor disseminated pyrite, trace po, rare qtz veins and stringers.</p> <p>Sample 42641                      Fine-grained wallrock sample to dent uphole.</p> <p><del>Sample 42642</del> 4 inch wide quartz vein with minor po at 250 ft, contacts at 45° to core axis.</p> <p>Sample 42642                      As above, fine- to medium-grained, lacks qtz veins</p> <p>Sample 42643                      As above, medium- to coarse-grained.</p>	42641	trace	248.2	252.0	3.8			trace	
				py minor po							
			42642	trace	252.0	257.0	5.0			trace	
			42643	trace	257.0	262.0	5.0			0.01	
				py							
262.0	313.0	<p><b>PORPHYRITIC ANDESITE (1b)</b>                      Dark greenish grey, medium- to coarse-grained, chloritized, anhedral feldspar masses to 1/2 inch with chlorite rims; gradational into units uphole and down hole.</p> <p>Sample 42644                      Top of interval sample; fractures, with trace pyrite coatings, at various angles to core.</p>	42644	trace	262.0	267.0	5.0			trace	
				py							

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J86-6

SHEET NO. 9

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL				
		289.6 6 inch wide zone with numerous feldspar blebs masses.									
		297.0 Feldspar masses are rare henceforth, with a chloritic matrix.									
		Sample 42645	42645	minor py minor po	307.0	310.0	3.0			0.01	
313.0	397.0	<p>1/2 inch wide Qtz-carbonate-minor chlorite vein, 40° to core axis contacts with 1 x 1/2 inch po. bleb perpendicular to vein, minor pyrite blebs from 309.5 to 310 feet.</p> <p><b>BASALT, ANDESITE (1a, 1d)</b>                      Dark greenish grey to dark green, coarse- to medium-grained upper and grading to fine- to medium-grained downhole; homogenous flows for the most part, trace pyrite locally, occasional amphibole grains, foliation/speaking at 40° to core axis.</p>									
		321 1/2 inch wide Qtz-carbonate vein, 40° to core axis contacts, no sulphides.									
		Minor disseminated pyrite at following footages, not sampled: 323.0, 339.5, 342 feet									
		347 Qtz-carbonate-chlorite vein subparallel to core axis, no sulphides.									
		350 Minor disseminated pyrite									

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J86-6 SHEET NO. 10

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Sample 42646 Weak shear zone; contact with slightly amphibolitic, steamed basalt down hole at 359.8 ft with contact 40° to core axis; 4 inch wide banded qtz - chlorite - carbonate vein at 360.5 ft, contacts at 40° to core axis.	42646	-	359.5	364.0	4.5			trace	
		Sample 42647 Chlorite - qtz - carbonate veinlets with minor pyrite in slightly steamed, chloritized basalt.	42647	minor □	364.0	368.0	4.0			trace	
397 feet		END OF HOLE									
		21 boxes of B & C core stored on rack behind campside - north shore of small bay between Emin Bay of Kakagi Lake and the Cedar tree Lake portage. Hole marked by wood picket as casing was pulled.									
		Hole J86-6A is 2 feet grid east of Hole J86-6 picket. Hole J86-6A was lost at 167 feet and the core was dumped.									
		2									

# PROTEUS RESOURCES INC. DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. J86-7 LENGTH 337 ft  
 LOCATION grid coordinates Line 37+00 West / 7 + 70 South  
 LATITUDE SURFACE 1136 ft ASL DEPARTURE 336° grid North  
 ELEVATION ASL AZIMUTH 336° grid North DIP -45°  
 STARTED Sept. 10 / 86 FINISHED Sept. 11 / 86

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
collar	-44°				
307'	-49°				

HOLE NO. J86-7 SHEET NO. 1  
 REMARKS Claim K794546  
 LOGGED BY M. Beauregard

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	D.%	OZ/TON	OZ/TON
					FROM	TO				
0	10.0	Casing; <sup>ground</sup> surface is at 2 ft from casing top of 0 ft.								
10.0	36.5	ANDESITE (la, 3, 1d) Moderate green, fine-grained to aphanitic, siliceous, slight foliation/shearing at 40° to core axis, cherty subunits are common, rare basaltic subunits.								
		Sample 42751 Siliceous fine- to medium-grained andesite with irregular Qtz-carbonate vein with up to 10% granularly massive pyrite.	42751	up to 10% PY	16.5	19.0	2.5			trace
		Sample 42752 Fine-grained siliceous andesite grading to chert at bottom of interval, several 45° to core axis oriented 1 inch wide Qtz veins with minor disseminated pyrite in vein/Qtz flooding and adjacent wall rock.	42752	minor PY	22.0	25.0	3.0			trace
	26.0	Cherty lapilli fragments; breccia zones on flow top.								
	32-36	Chert subunit, excellent lapilli breccia fragments at 35.0 ft								
		Sample 42753 Contains contact; chert grades into siliceous basalt; a vein at 36.0 ft has massive fracture filling pyrite parallel to core axis;	42753	minor PY	35.8	38.8	3.0			trace

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J86-7 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
		42753	min							
		(cont.)								
36.5	65.8	BASALT (1d, 1a) Dark greenish black, fine-grained, weakly magnetic, increasingly anisitic towards bottom of unit.								
		41.5 Slightly boudinaged carbonate-gtz veinlets at 40° to core axis.								
		42-48 Blocky ground, minor hematitic staining of open fractures, trace pyrite								
		Sample 42754 Round pyrite blebs to 1/4 inch in weak solution orientated 45° to core axis, 2-inch wide after carbonate-chlorite vein at 59.7 ft containing a 1 1/2 inch bleb of fresh broken pyrite	42754	min PY	57.5	60.5	3.0			0.01
		Sample 42755 Increasingly siliceous, large rounded blebs of pyrite in or adjacent to irregular gtz-carbonate-chlorite veinlets	42755	min PY	60.5	63.5	3.0			trace
65.8	204.6	ANDESITE (1a, 2R, 1d) Moderate green to light greenish grey, fine-grained, deformed to brecciated locally in cherty subunits; trace pyrite locally; irregular siliceous contact to unit uphole; increasingly tuffaceous down hole to 138.6 ft then increasingly basaltic hereafter.								

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J86-7 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Sample 42756 Contact between flows? oriented at 50° to core axis, darker homogenous andesite uphole, siliceous and slightly brecciated for 1 foot downhole.	42756	trace py	128.5	131.0	2.5			trace	
		132+ Rare lapilli fragment < 1/4 inch henceforth									
		Sample 42757 A repeat of above with a contact at 132.0 ft.	42757	trace py	131.0	134.0	3.0			trace	
		Sample 42758 Dark grey basaltic flow, contacts at 60° to core axis with dark blue qtz stringers parallel to foliation, 2% py plus magnetite, amphibole and chlorite.	42758	2% py	138.6	141.8	3.0			trace	
		Sample 42759 Slightly brecciated, chloritized andesite with qtz-carbonate-amphibolite stringers to veins, at shallow angles to core axis.	42759	trace py	202.0	205.0	3.0			0.01	
		204.6 Gradational contact from andesite to basalt downhole.									
204.6	220.5	BASALT (1d) Dark greenish black, fine-grained, slightly foliated at 45° to core axis, qtz-carbonate and chlorite seams increase in number towards base of unit, trace pyrite.									
		Sample 42760 Slightly foliated basalt, trace pyrite,	42760	trace py	211.5	214.5	3.0			trace	



# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J86-7

SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	1		2	
					FROM	TO			TOTAL	OZ/TON	OZ/TON	
		Sample 42761	Slightly to moderately foliated basalt, occasional qtz-carbonate stringer parallel to foliation	42761	trace PJ	214.5	217.5	3.0			0.01	
		Sample 42762	Slightly brecciated, numerous qtz-carbonate stringers, minor pyrite. wall rock sample to alteration zone downhole.	42762	minor PJ	217.5	220.5	3.0			trace	trace
220.5	233.2	<b>ALTERATION ZONE</b> Brecciated aphanitic qtz - minor carbonate vein(s), very siliceous with quartz flooding, sealing fractures, light yellowish brown silica, up to 5%. fine-grained disseminated pyrite, minor magnetite; sharp upper contact at 60° to core axis, sharp lower contact at 80° to core axis.										
		Sample 42763	Intermixed light yellow and light purplish grey qtz, sealed fractures, 3-5% pyrite.	42763	3-5% PJ	220.5	223.5	3.0			0.02	0.010
		Sample 42764	Purplish grey qtz, occasional feldspar phenocrysts suggest that this sample interval is a deformed, altered feldspar porphyry, minor light yellow silica adjacent to a <del>sealed</del> sealed fracture.	42763	3-5% PJ	223.5	225.5	2.0			trace	0.008
		Sample 42765	Light brown qtz with cross cutting 1/4 inch wide veinlets filled with soft, translucent, dark green, jade-like mineral.	42765	minor PJ	225.5	228.0	2.5			trace	trace

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. J 86-7 SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH IDES	FOOTAGE			%	%	1	
					FROM	TO	TOTAL			OZ/TON	OZ/TON
		42765 open fracture with slickensides from (cont) 226 to 227 ft, <del>green mineral</del> vein with breccia qtz fragments at 227.8 ft.									
		Sample 42766 As above with minn amph with the dark green vein-filling mineral.	42766	min PY	228.0	230.5	2.5			trace	trace
		Sample 42767 Light yellowish brown, qtz flooded with 5% pyrite	42767	5% PY	230.5	233.2	2.7			trace	0.002
233.2	248.8	FELDSPAR PORPHYRY (5b) Mottled greenish purple, light green feldspar phenocrysts in dark purple matrix, trace pyrite throughout, altered at top and bottom margins, sharp contacts with upper oriented at 80° to core axis and lower at 45° to core axis.									
		Sample 42768 Altered, siliceous, light green with indistinct phenocrysts; trace sericite near qtz vein at 233.5 ft; grades into fresh feldspar porphyry at bottom of interval.	42768	trace PY	233.2	234.8	1.6			trace	trace
		Sample 42769	42769	trace PY	234.8	237.8	3.0			trace	
		Sample 42770	42770	trace PY	237.8	240.8	3.0			trace	
		Sample 42771	42771	trace PY	240.8	243.8	3.0			trace	
		Sample 42772	42772	trace PY	243.8	246.2	2.4			trace	
		Sample 42773 Finer-grained, siliceous, light purple porphyry; occasional reddish-brown anhedral lath-shaped mineral, possibly altered feldspar.	42773	<del>trace</del> min PY	246.2	248.8	2.6			0.02	

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J86-7 SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
248.8	0	<p><b>BASALT (1d)</b>                      Dark greenish grey to black, fine-grained to aphanitic; moderately silicified at best, brecciated appearance with <del>many</del> open hairline fractures; occasional irregular dark grey qtz veinlets; trace to minor pyrite locally at top of unit with pyrite and brecciation decreasing downhole.</p>									
		Sample 42774 Wall rock sample downhole from alteration zone	42774	min PJ	248.8	251.8	3.0			trace	
		Sample 42775 Per <sup>unit</sup> description above	42775	trace PJ	251.8	254.8	3.0			trace	
		Sample 42776 Wall rock sample to alteration zone downhole, foliation at 45° to core axis, sharp contact at 40° to core axis.	42776	- PJ	307.0	310.0	3.0			0.01	
310.0	323.0	<p><b>ALTERATION ZONE</b></p>									
		Sample 42777 Deformed qtz-chlorite-minor carbonate-minor fuchside veining.	42777	trace PJ	310.0	313.5	3.5			trace	
		Sample 42778 Siliceous mafic meta-volcanic, abundant qtz-chlorite-minor carbonate-trace fuchside veins/veinlets, trace py, foliation/shearing at 45° to core axis	42778	trace PJ	313.5	316.0	2.5			trace	
		Sample 42779 As above, lacks fuchside.	42779	trace PJ	316.0	318.5	2.5			trace	
		Sample 42780 Fractured light greenish yellow with grey qtz veinlets filling irregular fractures, foliation/shearing oriented 45° to core axis.	42780	trace PJ	318.5	321.0	2.5			trace	

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. JBB-7 SHEET NO. 7

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Sample #2781 As above but foliation/shearing rotates to near perpendicular to core axis; sharp irregular contact near perpendicular to unit downhole.	42781	trace	321.0	323.0	2.0			trace	
323.0	337.0	<b>BASALT (ld)</b> Dark greenish black, fine-grained, irregular Qtz-carbonate stringers at top of unit, chloritized, weakly magnetic.									
		Sample 42782 wallrock sample downhole from alteration zone, top 1.5 feet are moderately silicified.	42782	-	323.0	326.0	3.0			trace	
337.0		<b>END OF HOLE</b> 18 boxes of BQ stored on rack behind campsite. Campsite is on north shore of small bay between Emu Bay of Kakagi Lake and the Cedar-tree Lake portage. Casing was pulled, and the collar location is marked by a tagged wood picket.									

Q

# PROTEUS RESOURCES INC.

## DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. J86-8 LENGTH 317 ft  
 LOCATION grid coordinates Line 35 too West / 7+90 South  
 LATITUDE SURFACE 1122 ft ASL DEPARTURE  
 ELEVATION Sept 12/86 AZIMUTH 336° grid North DIP -45°  
 STARTED Sept 12/86 FINISHED Sept 13/86

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
collar	-45°				
297'	-48°				

HOLE NO. J86-8 SHEET NO. 1  
 REMARKS Chim K794546 (collar)  
K794545 (bottom 1/2)

LOGGED BY M. Beauregard

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
0	30.0	Casing; ground surface is at 3 ft from top of casing (0 ft).								
30.0	39.0	BASALT (1d) Dark greenish black, fine-grained, weakly magnetic, 1/2 ft above contact down hole is siliceous.								
39.0	104.0	ANDESITE (1a, 2d) Medium greenish grey to dark greenish grey, fine-grained, siliceous, cherty subunits, basaltic subunits with trace pyrrhotite, foliations/gtz veins/sweats oriented at 45° to core axis, increasingly tuffaceous downhole.  54-56 Irregular snow white gtz-minor carbonate veinlets filling weak brecciation.								
		Sample 42783 Basaltic subunit, minor magnetic pyrrhotite blebs, gtz stringers/foliation oriented 45° to core axis.	42783	minor P <sub>0</sub>	59.0	62.0	3.0			0.002
		Sample 42784 Top of cherty subunit with 1.5 ft wide greenish white aphanitic gtz vein with minor pyrite, minor wispy hematite, contacts at 45° to core axis	42784	minor P <sub>1</sub>	65.5	67.8	2.3			trace

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J86-B SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
				FROM	TO	TOTAL					
		70.5-72.0 Light green aphanitic qtz vein/sweet with irregular fractures filled by grey to clear qtz, vein contacts at 45° to core axis, no sulphides.									
		83-93 Irregular hairline stringer network of qtz-carbonate with occasional veins to 1" width and 45° to core axis orientation, increasingly trifurcous.									
		95-104 Partly leached rock(?) with partially open carbonate-qtz stringers, <del>matrix</del> matrix is still siliceous though.									
		Sample 42785 As above	42785								0.002
104.0	129.8	TUFF (2f, 1a) Light green, fine-grained; occasional siliceous lamination oriented at 45° to core axis with paralleling qtz-carbonate ± minor epidote veins, occasional feldspar phenocryst; gradational and arbitrary contact to unit uphole.		100.0	103.0	3.0					
		128.5-129.8 Dark laminations = thin bedding oriented at 45° to core axis, gradational contact to unit downhole.									
129.8	165.8	ANDESITE (1a) Moderate to dark greenish grey, fine-grained, siliceous and basaltic for top 10 ft of unit with 5 1/2 to 1ft wide aphanitic qtz veins with contacts at 45° to core axis; increasingly lighter in colour downhole.									

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. JB6-8

SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Sample 42786	42786	min P	134.0	138.0	4.0				0.002
		Sample 42787	42787	min P P	155.6	158.0	2.4				trace
165.8	209	160-165.0 Approaching aphanitic clast down hole towards contact.  BASALT (1d) Dark greenish black, fine-grained, chloritized, weakly to moderately magnetic, sharp contact to unit up hole at 40° to core axis orientation, occasional Qtz-carbonate ± minor epidote ± wall rock pyrite veins parallel to foliation at 40° to core axis.									
		Sample 42788	42788	min P	165.8	169.3	3.5				0.006
		Sample 42789	42789	trace P	180.0	182.0	2.0				0.002

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J86-8

SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
209.0	230.7	ANDESITE (1a) Moderate greenish grey, fine-grained, siliceous, 2 ft wide cherty subunit at top of unit; increasing amount of minor brecciation/shearing downhole.									
		Sample 42790 Brecciated 8 inch wide aphanitic light green to yellow qtz-carbonate-minor chlorite vein in cherty subunit, minor pyrite, contacts at 45° to core axis.	42790	minor py	209.0	211.0	2.0				0.002
		Sample 42791 Intermixed veins and decreasingly cherty andesite.	42791	trace py	211.0	213.5	2.5				trace
		217 - 230.7 Increasing sheared/foliated to brecciated downhole; irregular chlorite seams and qtz-carbonate stringers.									
		Sample 42792 <sup>per</sup> above description.	42792		224.7	227.7	3.0				0.002
		Sample 42793 Wallrock sample to sheared basalt downhole gradational silicified contact with trace pyrite.	42793	trace py	227.7	230.7	3.0				0.002
230.7	235.2	SHEARED BASALT (1d) <sup>intercalated</sup> Banded; siliceous basalt <sup>intercalated</sup> with qtz- carbonate-chlorite veins/veinlets; moderate foliation/ shearing at 45° to core axis; trace pyrite.									
		Sample 42794	42794	trace py	230.7	232.7	2.0				0.002
		Sample 42795 wallrock sample to feldspar porphyry downhole.	42795	trace py	232.7	235.2	2.5				trace



# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J86-8

SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
235.2	284.1	FELDSPAR PORPHYRY (Sb) Fresh feldspar porphyry consists of purplish grey matrix with light green feldspar phenocrysts to less than 1/4 inch in size, siliceous - will not scratch, trace disseminated pyrite, weakly to moderately magnetic; occasional Qtz-carbonate stringers at 20° to core axis.									
		Sample 42796 Fresh feldspar porphyry from 235.2 to 236.3 ft; slightly altered <del>from</del> hereafter - light greenish grey, minor disseminated fine-grained pyrite, phenocrysts; shallow angle to core axis Qtz-carbonate veinlets from 234.8 to 238.1 ft.	42796	minor PJ	235.2	238.1	2.9				trace
		Sample 42797 Siliceous fine-grained porphyry.	42797	minor PJ	238.1	239.5	1.4				trace
		Sample 42798 Abrupt irregular contact to fresh porphyry at interval top; 6 inch metamorphic? metavolcanic xenolith partially cut by core at 240.3 ft.	42798	trace PJ	239.5	242.5	3.0				0.002
		Sample 42799 Fresh feldspar porphyry	42799	trace PJ	242.5	245.5	3.0				trace
		Sample 42800 Fresh feldspar porphyry; well rock sample uphole from fine-grained altered porphyry, gradational contact.	42800	trace PJ	260.0	263.0	3.0				trace
		Sample 42801 Fine-grained "porphyry"; moderate grey, occasional feldspar phenocryst, siliceous	42801	up to 240 PJ	263.0	265.2	2.2				trace

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. JB6-8

SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON	
					FROM	TO					TOTAL
		Sample 42802 As above, gradational contact to fresh feldspar porphyry downhole at interval base.	42802	up to 2% PY	265.2	267.5	2.3				trace
		Sample 42803 Fresh feldspar porphyry, wall rock sample downhole from fine-grained porphyry	42803	trace PY	267.5	270.5	3.0				trace
		Sample 42804 Base of unit; sharp unit at 65° to core axis; drilled fine-grained margin for 1/2 inch.	42804	trace PY	281.1	284.1	3.0				trace
284.1	305.0	ANDESITE (la, ld) Moderate green, fine-grained, slightly brecciated, can be scratched, occasional dark lamination and rare vein let at 65° to core axis; no observed sulphides; increasingly basaltic downhole									
		Sample 42805 wall rock sample downhole of feldspar porphyry	42805		284.1	287.1	3.0				trace
		Sample 42806 Slightly brecciated.	42806		287.1	290.1	3.0				trace
305.0	317.0	BASALT (ld, la) Gradational contact with unit up hole; dark green, fine-grained, chloritized, rare pyrite crystal, occasional vein let parallel to weak foliation oriented at 45° to core axis.									

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J86-8 SHEET NO. 7

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPH. IDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
	37.0	<p>END OF HOLE.</p> <p>16 boxes of BQ core stored on core rack behind camp. Campsite on north shore of small bay between Emu Bay of Kakayi Lake and Adentree Lake portage. Casing was pulled and collar location is marked by tagged wood picket.</p> <p style="text-align: center;">J</p>								

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. J86-9 LENGTH 307 ft.  
 LOCATION grid coordinates Line 3100 West / 5+25 South  
 LATITUDE SURFACE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION 1112 ft ASL AZIMUTH 156° grid South DIP -45°  
 STARTED Sept 14 / 86 FINISHED Sept 15 / 86

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
Collar	-45°				
297'	-48°				

HOLE NO. J86-9 SHEET NO. 1

REMARKS Claim K794545 (collar)  
K794544 (bottom 1/2)

LOGGED BY M. Beauregard

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
0	22.0	Casing; ground surface at 2 ft from top of casing (off)									
22.0	24.5	BOULDERS; ground core with 1 granite piece.									
24.5	49.0	TUFF BRECCIA, PORPHYRITIC ANDESITE (lg, lb) Dark grey to greenish grey fine-grained matrix; porphyritic dacite frags to 6 inch size with more felsic lapilli fragments; abundant lathes of plagioclase to 1/8 inch size in occasional zones.									
49.0	178.2	45-49 Brecciated matrix, possibly a flow top. TUFF BRECCIA, ANDESITE (lg, la) Moderate to dark greenish grey fine-grained matrix (dark andesite equivalent), more rounded porphyritic dacitic fragment to 3 inches or greater in size; weak foliation at 45° to core axis. Sample 42807 3 inch wide (true width) epidote - light purple gtz vein oriented at 25° to core axis; epidote margins and gtz core;				48.0	50.0	2.0			0.004

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J86-9 SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS												
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON							
					FROM	TO	TOTAL											
		42807 (cont.)																
		crossed by foliation - parallel carbonate-gtz stringer oriented at 45° to core axis.																
		Sample 42808	42808		60.5	63.5	3.0											trace
		Irregular 7 inch wide gtz-carbonate vein with upper contact at 45° to core axis, <del>irregular</del>																
		Sample 42809	42809	trace Pj	93.0	97.6	4.6											trace
		1/2 inch wide gtz-carbonate - dolomite vein subparallel to core axis																
		108 + Irregular fracture-filling gtz-carbonate stringers / veinlets henceforth downhole.																
		136.5-178.2 Moderately sheared to weakly brecciated; occasional dacitic fragment; irregular fracture-filling carbonate-gtz stringers, rare deformed veins/veinlets, irregularly silicified.																
		Sample 42810	42810	trace Pj	155.0	158.0	3.0											trace
		Representative sample of above weak shear zone with 3 inch wide gtz vein at 157.0 ft, trace pyrite.																
		Sample 42811	42811	trace Pj	167.5	170.5	3.0											trace
		Cherty subunit, rare amphibolite stringer, trace pyrite																
		Sample 42812	42812		175.2	178.2	3.0											0.002
		Wallrock sample downhole from shear basalt; weak foliation and contact at 45° to core axis.																

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J86-9 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
178.2	187.2	SHEARED BASALT (1d, 1a) Dark grey to black, fine-grained slightly silicified, moderately to strongly carbonized, moderate shearing / foliation oriented at 30° to core axis; rare altered feldspar going to kaolinite; numerous carbonate-gtz stringers parallel to foliation. trace rusty pyrite									
		Sample 42813 Trace rusty pyrite	42813	trace PY	178.2	181.2	3.0				0.002
		42814 As above	42814	trace PY	181.2	184.2	3.0				trace
		42815 As above, mullrock sample up hole from feldspar porphyry	42815	trace PY	184.2	187.2	3.0				0.004
187.2	205.2	FELDSPAR PORPHYRY (5b) Mottled, greenish red-grey; light green feldspar phenocrysts to 1/4 inch, reddish grey <del>matrix</del> <sup>fine-grained</sup> matrix; rare fine-grained anhedral feldspar crystal in matrix altered to kaolinite; rare carbonate-gtz stringer oriented at 40° to core axis; trace fine-grained pyrite; sharp upper contact at 45° to core axis, lower at 35° with 1/2 inch wide chlorite vein; margins have little to no chilled fine-graining.									
		Sample 42816	42816	trace PY	187.2	190.2	3.0				0.002
		42817	42817	"	190.2	193.2	3.0				0.002
		42818	42818	"	193.2	196.2	3.0				0.002
		42819	42819	"	196.2	199.2	3.0				trace

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. JBb-9

SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
205.2	236.1	Sample 42820 42821	42820 42821	" "	199.2 202.2	202.2 205.2	3.0 3.0			0.002 0.004		
		SILICIFIED BASALT (K)										
		205.2 - 216.8 Weak alteration zone with occasional Qtz veining to Qtz flooding up to 1.5 ft in width, minor to 2% pyrite, moderately foliated with 20° to 30° to core axis orientation to deformed foliation.										
		Sample 42822	42822	up to 20% PJ	205.2	207.2	2.0			trace		
		Sample 42823	42823	2% PJ	207.2	209.2	2.0			0.002		
		Sample 42824	42824	minor PJ	209.2	212.2	3.0			0.014		
		Silicified, brecciated basalt with 6 inches of Qtz flooding at 210.5 ft with Qtz both clean and fragmentary light yellow - chlorite - minor carbonate - trace Fe-rich side; up to 5% pyrite adjacent to Qtz flooding, minor pyrite elsewhere.										
		Sample 42825	42825	minor PJ	212.2	214.2	2.0			0.002		
		Brecciated to fragmentary silicified basalt, minor py locally, foliation at increasingly shallower angles to core axis downhole.										

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. J86-9


SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Sample 42826 Deformed foliation above 6 inch wide light yellow qtz flooding at bottom of interval, trace pyrite.	42826	trace Py	214.2	216.7	2.5				0.002
	216.7 - 236.1	Silicified basalt, lacks qtz flooding or major veins, moderately carbonatized, slightly skewed, irregular carbonate-qtz stringers; rare bleb of pyrite.									
		Sample 42827	42827	trace Py	216.7	219.7	3.0				trace
		42828	42828	"	219.7	222.7	3.0				0.002
		42829	42829	"	222.7	225.7	3.0				0.002
		Sample 42830 Last interval of siliceous basalt, foliation and contact at 35° to core axis, chloritic seams	42830	trace Py	233.7	236.1	3.0				0.002
236.1	307.0	BASALT (ld) Dark greenish-black, fine- to medium-grained, weakly to moderately magnetic, weakly carbonatized, chloritized, occasional qtz-carbonate-epidote ± trace pyrite veins.									
		Sample 42831 Qtz-carb core-epidote rims 2 inch wide vein with 45° to core axis contacts; crosscutting an irregular epidote-qtz vein subparallel to core axis	42831	trace Py	248.0	250.0	2.0				trace



# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. J86-9 SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
		Sample 42832	5 inch wide qtz-carbonate-chlorite vein at 55° to core axis, trace pyrite; several chlorite-filled seams in wallrock.	42832	trace PY	262.5	264.5	2.0			0.002	
		Sample 42833	Trace disseminated pyrite adjacent to qtz-carbonate veinlets	42833	trace PY	283.0	286.0	3.0			trace	
	307.0	END OF HOLE										
<p>16 boxes of BQ core stored on rack behind camp - campsite is located on north shore of small bay between Emm Bay of Kakagi Lake and the Cedartree Lake portage.</p> <p>Casing was pulled and the collar location is marked by a tagged wood picket.</p>												
												

PROTEUS RESOURCES  
**DIAMOND DRILL RECORD**

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. J86-10 SHEET NO. 1

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH. IDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
0	10.0	Casing, Ground surface elevation is at 1ft from top of casing (0 ft in the hole)									
10.0	47.5	<b>BASALT (M)</b> Dark greenish black, fine- to medium-grained, chloritized, weakly magnetic, weakly foliated at 40° to core axis; white qtz-carbonate veinlets oriented at 50° to core axis.									
		Sample 42834 2 ft. wide pyritiferous zone, moderately silicified, one central irregular veinlet oriented at 40° to core axis, fine-grained feldspar altered to white kaolinite, up to 20% finely granular pyrite; zone contacts oriented at 40° to core axis.	42834	up to 20% PJ	25.5	28.0	2.5				trace
		Sample 42835 Irregular qtz-opidote vein from 37 to 38.5 ft, chlorite-amphibole stringers to veinlets filling weak brecciation but do not crosscut or crosscut by vein; minor fracture filling pyrite in vein and round blebs of granular pyrite uphole.	42835	minor PJ	36.0	39.5	3.5				trace
		Sample 42836 Slightly deformed basalt with irregular fracture filling qtz-carbonate stringers, trace pyrite as wallrock blebs.	42836	trace PJ	39.5	42.5	3.0				trace
	44.0 - 47.5	Fine-grained basalt gradually becoming andesitic downhole.									

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE

HOLE NO. JBb-10

SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
47.5	149.7	ANDESITE, TUFF (1 <sub>a</sub> , 2 <sub>f</sub> ) Moderate green, fine-grained, siliceous, carbonate-gtz stringers to veinlets subparallel to core axis and parallel to weak foliation plus rare crosscutting gtz-carbonate veinlets near perpendicular to foliation; rare dark laminations indicative of thin bedding in clayey subunits; little to no sulphides.								
	65.5	thin dark laminations, frequency 0.2 mm to 4 mm; oriented at 45° to core axis.								
		Sample 42837 Contains arbitrary contact, trace fracture-filling pyrite; aphanitic gtz - minor epidote vein from 48.5 to 49.3 ft, finely brecciated, contacts at 60° to core axis; crosscutting stringers of carbonate-gtz - trace pinkish red feldspar(?).	42837	trace Py	46.5	49.5	3.0			trace
	82.0 - 82.5	Minor amount of feldspar and amphibole phenocrysts to 1/8" size (2 mm)								
	86.0 plus	veinlets of white to light pinkish white aphanitic gtz - carbonate, veinlets sometimes contain breccia to veinlets and often form the core of <del>an</del> network of hairline stringers.								
	95 - 106	Tuffaceous subunit, minor feldspar phenocrysts to 1 mm size.								

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-10 SHEET NO. 3  
 REMARKS \_\_\_\_\_  
 LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE FROM	FOOTAGE TO	FOOTAGE TOTAL	%	%	OZ/TON	OZ/TON
		130-133 Light green tuffaceous subunit									
		133 plus Increasingly sheared and siliceous downhole.									
		Sample 42838 Wellrock sample uphole of brecciated chert.	42838		142.1	145.1	3.0				trace
		145.1 - 149.7 Brecciated chert subunits light green, ophanitic, siliceous, very fractured yet sealed due to siliceous content, dark amphibole-chlorite stringers, grades into brecciated cherty andesite, sharp upper contact at 45° to core axis.									
		Sample 42839 Brecciated chert.	42839		145.1	147.5	2.4				trace
		Sample 42840 Brecciated cherty andesite.	42840		147.5	149.7	2.2				trace
149.7	162.0	ALTERED BASALT (1d, 1a) Dull green, partially leached with less than 5% pore space, chloritized, locally siliceous adjacent to rusty leached (to open fractures) carbonate-gtz veins, rubble zone 153-162.0 ft.									
		Sample 42841 Several leached, rusty, open space, brecciated veins to 4 inches wide, contacts at 45° to core axis.	42841	min P	149.7	151.7	2.0				trace
		Sample 42842 Rubble zone begins at 153.0 ft; chloritized, leached basalt	42842	trace P	151.7	155.0	3.3				trace

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-10 SHEET NO. 4  
 REMARKS \_\_\_\_\_  
 LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON	
					FROM	TO					TOTAL
162.0	203.8	Sample 42843. As above.	42843	trace PY	155.0	158.0	3.0			trace	
		Sample 42844. As above.	42844	trace PY	158.0	162.0	4.0			trace	
		BASALT (1d) Dark green to dark greenish black, fine-grained, weakly brecciated and slightly leached at top of interval with several siliceous dark gray to black non-chloritic zones; blebby pyrite and dent subunits towards base of unit.									
		Sample 42845	Wallrock sample to altered basalt/rubble zone uphole, rock still (dull green) chloritic and slightly leached in top part of interval.	42845		162.0	166.0	4.0			trace
		Sample 42846	Siliceous, lacks chlorite, minor pyrite contained by foliation oriented carbonate-gtz veins.	42846	minor PY	166.0	169.0	3.0			0.002
		Sample 42847	Fine grained mafic dyke? black, siliceous up to 5% fine-grained pyrite, indistinct contacts	42847	5% PY	173.0	175.0	2.0			trace
		Sample 42848	Bottom of unit sample; grades into a dent in last 1/2 ft, minor pyrite occurs as finely granular rounded blebs.	42848	minor PY	200.8	203.8	3.0			trace
203.0 - 203.8		First denty subunit of several dambale.									

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-10 SHEET NO. 5

REMARKS \_\_\_\_\_

LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
203.8	229.2	<p><b>ANDESITE (la, ld)</b>                      Moderate greenish grey to moderate green, fine-grained to clastic, generally siliceous, brecciated clastic subunits to 1/2 ft wide through top 10 ft of unit; increasingly siliceous and brecciated downhole.</p> <p>Sample 42849 Amphibolite-chlorite seams, qtz-carbonate veinlets</p> <p>Sample 42850 Increasingly brecciated to minute angular qtz-filled fragments.</p> <p>Sample 42851 wallrock sample to alteration zone downhole, silicified mafic metamorphic predominates over dark grey to purple qtz veining.</p>										
			42849	trace PJ	221.6	224.6	3.0				trace	
			42850	minor PJ	224.6	227.6	3.0				trace	
			42851	minor PJ	227.6	229.2	1.6				trace	
229.2	241.2	<p><b>ALTERATION ZONE</b>                      Dark grey to purple qtz with light yellow fracture-associated, aphanitic, pyritic qtz flooding, brecciated to foliated deformation, up to 5% fine-grained disseminated pyrite; sharp upper contact at 45° to core axis; sharp lower contact at 45° to core axis to feldspar porphyry downhole with 4 inches of chloritization of alteration zone material</p>										

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-10 SHEET NO. 6

REMARKS \_\_\_\_\_

LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
		Sample 42852 Brecciated qtz with large braced xenoliths of silicified mafic metavolcanic.	42852	min PY	229.2	231.8	2.6			0.002
		Sample 42853 Dark grey to purple qtz with 20% intermittent light yellow pyritiferous qtz flooding; min to 5% pyrite, sealed fractures	42853	up to 5% PY	231.8	234.8	3.0			0.010
		Sample 42854 As above; foliated, chloritized qtz at interval bottom; foliation <del>is</del> deformation banding at 45° to core axis.	42854	up to 5% PY	237.8	237.8	3.0			0.016
		Sample 42855 As above, lacks foliation.	42855	up to 5% PY	237.8	239.8	2.0			0.028
		Sample 42856 As above; bottom 4 inches of interval, above feldspar porphyry contact, is pervasively chloritized to dull green color.	42856	up to 5% PY	239.8	241.2	1.4			0.016
241.2	257.0	FELDSPAR PORPHYRY (5b) Mottled greenish to reddish grey; light green anhedral feldspar phenocrysts to 1/4 inch size in a light to medium reddish grey <del>matrix</del> fine-grained matrix; locally the light-colored matrix results from slight <del>per</del> alteration of fine-grained feldspar to <del>kaolinite</del> kaolinite.								

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-10 SHEET NO. 7

REMARKS \_\_\_\_\_

LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Sample 42857	42857	trace	241.2	243.2	2.0				trace
		Sample 42858	42858	py trace	243.2	246.2	3.0				trace
		Sample 42859 Porphyritic to medium-grained.	42859	py trace	251.0	254.0	3.0				trace
		Sample 42860 Medium- to fine-grained with secondary porphyritic material.	42860	py trace	254.0	257.0	3.0				trace
257.0	281.5	BASALT (1a, 1a) Dark greenish black to dark green, fine-grained, weakly magnetic.									
		Sample 42861 wallrock sample down hole to feldspar porphyry, top foot is weakly silicified.	42861		257.0	260.0	3.0				trace
		Sample 42862 Weakly brecciated, fine angular Qtz-filled fragments; Qtz-carbonate stringers subparallel to core axis, trace blebby py	42862	py trace	266.5	269.5	3.0				trace
		Sample 42863 As above.	42863	py trace	269.5	272.5	3.0				trace
		Sample 42864 As above.	42864	py trace	272.5	275.5	3.0				trace



# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J 86-10 SHEET NO. 8  
 REMARKS \_\_\_\_\_  
 LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Sample 42865	42865		275.5	278.5	3.0				trace
		Sample 42866	42866		278.5	281.5	3.0				trace
281.5	297.0	ANDESITE (la,ld) Moderate green, fine to medium-grained, siliceous.									
297.0		END OF HOLE  16 boxes of BQ core stored on rack behind campsite; campsite is located on the north shore of small bay between Ben in Bay of Kakogi Lake and the Cedar tree Lake portage. Casing was pulled and the collar was marked by a jagged wood picket.									

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. J86-11 LENGTH 457 ft  
 LOCATION grid coordinates Line 4100 West / 8+35 South  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION 1109 ft ASL AZIMUTH 336° grid North DIP -45°  
 STARTED Sept. 12/86 FINISHED Sept 19/86

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
Cellar	-44°				
347'	-49°				

HOLE NO. J86-11 SHEET NO. 1  
 REMARKS Claim K794576  
 LOGGED BY M. Beauregard

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	oz/ton	oz/ton	
				FROM	TO	TOTAL					
0	10.0	Casing; Ground (surface elevation) is at 1.0 ft below casing top (0 ft). 1-10.0 Overburden									
10.0	22.8	BASALT (ld) Dark greenish black, fine-grained, siliceous, weakly magnetic, occasional Qtz-epidote stringers <del>at 30°</del> to core axis (selvages?); trace to minor <sup>fine grained</sup> pyrrhotite as rounded blebs to 1/8 inch size towards base of unit; gradational contact to unit downhole. Sample 42867 Base of unit sample, minor pyrrhotite, trace fracture-related pyrite	42867	mint P, trace B	20.8	22.8	2.0				trace
22.8	55.5	TUFF (2f, 3) Light green, fine-grained to cherty; fine-grained tuffaceous subunits contain rare feldspar phenocryst to 0.5 mm (< 1/16 inch); cherty subunits contain alternating light and dark laminations, i.e. thin bedding oriented at 50° to core axis; trace to minor pyrrhotite both as blebs and fracture filling, trace fracture-related contained pyrite.									

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-11 SHEET NO. 2  
 REMARKS \_\_\_\_\_  
 LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE FROM	TO	TOTAL	%	%	OZ/TON	OZ/TON
		Sample 42868 Top of unit sample, fine- to medium-grained buff grading to a cherty buff.	42868		22.8	26.0	3.2				trace
		Sample 42869 Qtz vein / sweet from 27.0 to 28.5 ft, bounded top and bottom by laminated cherty buff; mottled light green qtz vein contains minor chlorite, trace epidote, trace amphibole, trace pyrrhotite with contained pyrite.	42869	trace P <sub>2</sub> PY	26.0	29.0	3.0				trace
		Sample 42870 A second, wider, mottled qtz vein / sweet from 29.5 to 31.8 ft with contacts at 45° to core axis; 6 inch wide white qtz center to vein contains chlorite fragments; elsewhere minor chlorite, minor epidote, minor pyrrhotite, trace pyrite.	42870	minor P <sub>2</sub> trace PY	29.0	32.0	3.0				trace
		Sample 42871 Laminated cherty buff, trace pyrrhotite to irregular 1/4 inch sized patches.	42871	trace P <sub>2</sub>	32.0	35.0	3.0				trace
38.0		3 sets of stringers, none more than 1/8 inch wide, showing <u>excellent</u> crosscutting relationships, earliest is set of qtz stringers parallel to banding / foliation / bedding, which is cross cut and slightly offset by a qtz-carbonate-epidote stringer perpendicular to foliation; both are cross cut and slightly offset by a carbonate-qtz-trace PY stringer subparallel to the core axis.									

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-11 SHEET NO. 3  
 REMARKS \_\_\_\_\_  
 LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Sample 42872 weakly laminated cherty tuff, 1x 1/2 inch bleb of pyrrhotite with trace contained pyrite at 46-7 ft.	42872	trace P <sub>2</sub> P <sub>3</sub>	46.0	48.0	2.0				trace
		Sample 42873 Bottom of unit sample, homogenous fine-grained tuff.	42873		53.5	55.5	2.0				trace
55.5	88.1	<b>BASALT (ld)</b> Dark greenish black, fine-grained, weakly foliated, non carbonatized, non siliceous (< 5.5 hardness); trace pyrite as fine-grained, granular blebs to 1/8 inch size; rare qtz-carbonate-epidote stringers to veinlets.									
		Sample 42874 Top of unit sample, sample contains 2 inch wide seam of sheared chlorite-qtz-carbonate forming contact between tuff and basalt, contact oriented at 45° to core axis; trace blebby pyrite down hole.	42874	trace P <sub>3</sub>	55.5	57.5	2.0				trace
		Sample 42875 Bottom of unit sample; minor pyrite as 1/4 inch blebs, sharp contact to brecciated chert oriented at 50° to core axis.	42875	minor P <sub>3</sub>	85.1	88.1	3.0				trace

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-11 SHEET NO. 4

REMARKS \_\_\_\_\_

LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
88.1	112.2	CHERT (3, 1a) Chert subunits predominate over andesite to dark tuffaceous subunits, cherty sections are laminated, minor fracture filling pyrrhotite, trace pyrite.								
		Sample 42876 Top 2 1/2 feet consists of brecciated to xenolithic chert (fragments >64mm) with infilling Qtz-carbonate - minor chlorite; minor pyrrhotite at 90.2 ft; weak foliation/shearing oriented at 40° to core axis	42876	trace po	88.1	91.6	3.5			trace
		Sample 42877 Tuffaceous andesite, trace pyrite.	42877	trace py	91.6	94.0	2.4			trace
		Sample 42878 4 inch wide Qtz-carbonate - minor epidote, contacts at 45° to core axis, centre of vein contains minor fracture-filling pyrrhotite.	42878	minor po	94.0	96.0	2.0			trace
		Sample 42879 Weakly laminated chert, greenish-grey; fine-grained, granular pyrite forming cubic, euhedral blebs to 1/4 inch size adjacent to Qtz veinlets.	42879	minor py	102.5	105.5	3.0			trace
		Sample 42880 Bottom of unit sample, silicified for a 1/2 ft above sharp <del>contact</del> contact; at contact is 1 inch wide Qtz vein with pyrite and 1/2 inch wide slight brecciation downhole; contact oriented at 60° to core axis.	42880	trace py	110.0	112.2	2.2			trace

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. JBb-11 SHEET NO. 5  
 REMARKS \_\_\_\_\_  
 LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON	
					FROM	TO					TOTAL
112.2	213.4	<p><b>BASALT (1d, 1c)</b>                      Dark green, generally medium-grained, homogenous; some coarser-grained sections near top of unit have some amphiboles completely altered to chlorite; common magnetite grains to 1/4 inch size through middle to the bottom of the unit; magnetite often encloses carbonate; trace pyrite.</p> <p>Sample 42881 Top of unit sample, fine-grained, trace fracture - contained pyrite.</p> <p>118-122 Medium to coarse-grained; some mafic mineral to 1/8 inch size altered to chlorite.</p> <p>120-123 Epidote-chlorite stringers in slightly sheared rock.</p> <p>Sample 42882 1 ft wide irregular Qtz-carbonate-epidote-minor chlorite with trace reddish grey feldspar, trace py.</p> <p>127 + Anhedral magnetite grains up to 1/4 inch size in medium-grained basalt, magnetite often encloses carbonate; trace to minor blebby pyrite usually distinct from magnetite grains.</p>									
			42881	trace PY	112.2	115.2	3.0				trace
			42882	trace PY	123.5	126.5	3.0				trace

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-11 SHEET NO. 6  
 REMARKS \_\_\_\_\_  
 LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Sample 42883	42883	trace PY	173.0	175.0	2.0				0.002
		Sample 42884	42884	trace PY	175.0	178.0	3.0				trace
		Sample 42885	42885	20% PY	178.0	181.0	3.0				0.022
		Sample 42886	42886	trace PY	207.4	210.4	3.0				trace
		Sample 42887	42887	trace PY	210.4	213.4	3.0				trace

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-11 SHEET NO. 7

REMARKS \_\_\_\_\_

LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
213.4	268.4	FELDSPAR PORPHYRY (5b) Mottled light greenish brown; light green feldspar phenocrysts to 1/4 inch; light brown matrix with reddish tint, 20% phlogopite forming matrix-oriented light brown euhedral (hexagonal) crystals to 2mm size; trace pyrite and trace euhedral magnetite at top and bottom of unit; margins adjacent to contact exhibit coarsening in phenocryst size.								
		Sample 42888 Irregular contact subparallel to one axis; dark purplish grey matrix with coarsening of phenocrysts as compared to rest of unit, minor euhedral magnetite to 1mm, minor fine-grained pyrite.	42888	min py	213.4	214.5	1.1			0.022
		Sample 42889 Top of unit sample; gradually becomes the feldspar porphyry as described for unit.	42889	trace py	214.5	217.5	3.0			0.018
		Sample 42890 As above.	42890	trace py	217.5	220.5	3.0			trace
		Sample 42891 As above.	42891	min py	220.5	223.5	3.0			0.012
		Sample 42892 As above.	42892	trace py	223.5	226.5	3.0			trace



# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. JB6-11 SHEET NO. 8  
 REMARKS \_\_\_\_\_  
 LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
		Sample 42893	42893	trace Py	237.0	240.0	3.0				trace	
		Sample 42894	42894	trace Py	247.0	250.0	3.0				0.002	
		Sample 42895	42895	trace Py	257.0	260.0	3.0				0.002	
		Sample 42896	42896	trace Py	265.8	268.8	3.0				0.010	
268.8	326.2	BASALT (1a, 1a) Dark green to dark greenish black, fine-grained; fine-grained and weakly chloritized from 268.8 to 278 ft; increasingly andesitic and weakly carbonatized hereafter.										
		Sample 42897	42897	trace Py	268.8	271.8	3.0				0.008	
		Sample 42898	42898	trace Py	271.8	274.8	3.0				0.002	

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-11 SHEET NO. 9

REMARKS \_\_\_\_\_

LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
		290.5 - 296.8								
		Andesitic subunit, sharp contacts at 45° to core axis.								
		296.8 - 326.2								
		Dark green basalt, color due to pervasively chloritized matrix, weakly magnetic, minor vein-related epidote.								
		Sample 42899	42899	trace	308.0	311.0	3.0			0.010
		Trace fine-grained pyrite.								
		Sample 42900	42900		314.0	317.0	3.0			trace
		Sample from heart of chlorite-rich matrix basalt, minor epidote.								
		Sample 42901	42901		323.2	326.2	3.0			trace
		Wallrock sample to Qtz-feldspar porphyry downhole; chloritized or silicified alternating alteration.								
326.2	336.4	QUARTZ FELDSPAR PORPHYRY (5d)								
		Mottled grey to buff; light green to grey feldspar phenocrysts to 1/8 inch size, light grey Qtz phenocrysts to 1/8 inch size, particularly through the middle of the unit; fine-grained matrix (partially?) altered to buff colored kaolinite/feldspar, weakly silicified with numerous hairline fractures, minor euhedral phlogopite often altered to clay, hematitized to kaolinified matrix adjacent to irregular Qtz veins subparallel to core axis;								

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. JB6-11 SHEET NO. 10  
 REMARKS \_\_\_\_\_  
 LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
		irregular uphole contact with assimilated wallrock; sharp, sheared contact at 40° to core axis downhole.								
		Sample 42902 Wallrock assimilation, silicified, minor fine-grained disseminated pyrite.	42902	minor PY	326.2	327.8	1.6			trace
		Sample 42903 <del>Massive</del> Fractured qtz-feldspar porphyry	42903	trace PY	327.8	330.4	2.6			trace
		Sample 42904 As above.	42904	trace PY	330.4	333.4	3.0			trace
		Sample 42905 Siliceous, pyritiferous, brachioid qtz-feldspar porphyry, up to 2% pyrite downhole towards contact with increasing amount of fracturing.	42905	up to 2% PY	333.4	336.4	3.0			trace
336.4	339.0	SHEARED BASALT (1d) Well foliated to banded, chloritized basalt; foliation/banding oriented at 45° to core axis; intercalated with shearing-parallel greyish blue qtz veinlets and chloride seams; sharp downhole contact at 45° to core axis.								
		Sample 42906	42906	trace PY	336.4	339.0	2.6			trace
339.0	357.1	FELDSPAR PORPHYRY (5b) Mottled light green - dark purplish grey; light green feldspar phenocrysts to 1/4 inch size in dark fine-grained matrix; occasionally altered to light red colour, silicified and trace fine-grained pyrite adjacent to qtz-carbonate-feldspar (?) veinlets cutting core at high angles.								

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-11 SHEET NO. 11  
 REMARKS \_\_\_\_\_  
 LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Sample 42907 Per description.	42907	trace P	339.0	342.0	3.0				trace
		42908 As above.	42908	trace P	342.0	345.0	3.0				trace
		42909 As above.	42909	trace P	345.0	348.0	3.0				0.016
		42910 As above.	42910	trace P	348.0	351.0	3.0				trace
		42911 Increasingly siliceous with fine fractures.	42911	min P	351.0	354.0	3.0				0.022
		42912 As above, sharp contact at 40° to core axis.	42912	min P	354.0	357.1	3.1				0.034
357.1	386.3	<b>BASALT (1d, 1a)</b> Dark green, fine-grained, weak to moderately foliated at 50° to core axis; numerous qtz-carbonate veinlets parallel to foliation; weakly magnetic and chloritized throughout, silicified towards base of unit.									
		Sample 42913 Top of unit sample downhole from feldspar porphyry; numerous qtz-carbonate veins parallel to foliation, 2 inches of silicification below contact	42913	trace P	357.1	359.2	2.1				trace
		Sample 42914 <del>2 1/2 inch qtz</del> Slightly deformed basalt, 1/8 inch magnetite grains with rims altered to chlorite.	42914		359.2	361.0	1.8				trace

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-11 SHEET NO. 12

REMARKS \_\_\_\_\_

LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON	
					FROM	TO					TOTAL
		Sample 42915 2 ft. wide qtz-carbonate-minor epidote breccia vein with angular fragments of qtz-carbonate; minor amount altered wallrock fragments; shearing/brecciation at 40° to core axis	42915		371.5	374.5	3.0				trace
		Sample 42916 Wallrock sample uphole from feldspar porphyry; finely fractured and silicified for 6 inches above sharp, waxy contact at 60° to core axis.	42916		383.3	386.3	3.0				0.002
386.3	428.6	FELDSPAR PORPHYRY (5b) Mottled light greenish-red to gray; light green feldspar phenocrysts to 1/4 inch; fine-grained slightly hematitized to non hematitized dark matrix; ubiquitous minor euhedral phlogopite, little to no pyrite.									
		Sample 42917 Per description.	42917		386.3	389.3	3.0				trace
		42918 As above.	42918		397.0	400.0	3.0				0.002
		42919 As above.	42919		407.0	410.0	3.0				trace
		42920 As above.	42920		417.0	420.0	3.0				trace
		42921 Wallrock sample uphole from contact	42921		424.7	427.7	3.0				trace

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-11 SHEET NO. 13

REMARKS \_\_\_\_\_

LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
428.6	457.0	<p>Sample 42922 Sample straddles contact from 428.6 to 429.0 ft; contains qtz-carbonate veinlet oriented at 10° to core axis which offsets contact by 3 inches; vein partially leached with 20% open pore space</p> <p>ANDESITE (1a, 2f)                      Dark grey, fine-grained, siliceous to dark ferruginous andesite, fractured to brecciated, numerous veins to veinlets; banded swarts; trace fracture-related pyrite; rare stringers of amphibolite.</p> <p>Sample 42923 Wallrock sample downhole from feldspar porphyry.</p> <p>445.5 4 inch wide <del>qtz</del> carbonate-qtz vein @ isolated angular wallrock fragments to 1/2 inch size.</p> <p>Sample 42924 Banded swart/vein at 448 ft with trace amphibolite, trace pyrite; banding oriented at 40° to core axis.</p> <p>452.0 Chert with light siliceous bands (bedding?) oriented at 50° to core axis.</p>	42922	min PJ	427.7	429.1	1.4				trace
			42923	trace PJ	429.1	432.1	3.0				trace
			42924	trace PJ	446.0	449.0	3.0				0.002



# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. J86-12 LENGTH 397 ft  
 LOCATION grid coordinates Line 54 400 West / 2+70 North  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION not determined AZIMUTH 336° grid North DIP -45°  
 STARTED Sept 21 / 86 FINISHED Sept 27 / 86

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
collar	-44.5°				
327'	-48°				

HOLE NO. J86-12 SHEET NO. 1  
 REMARKS Claim K794547

LOGGED BY M. Beauregard

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
0	4.0	Casing; ground <del>at</del> surface is at 2 ft below the top of casing (0ft).								
4.0	17.0	ANDESITE (1a, 1d) Moderate greenish grey, fine- to medium-grained, weak foliation oriented at 50° to core axis; ground 7 ft, contact lost in ground core.								
17.0	30.8	BASALT (1d) Dark greenish black, fine-grained; non-magnetic, weakly carbonatised, moderately chloritized, non-siliceous (hardness < 5.5), occasional zones of major constituent carbonate - qtz - chlorite ± minor epidote.								
		Sample 42925 Irregular carbonate - qtz - epidote vein for top 1/2 foot of interval followed by isolated anhedral crystals of carbonate to 1/4 inch size; trace fracture - contained pyrite.	42925	trace	17.0	20.0	3.0			trace
		42926 Bleds of calcite; 2 ft wide rubble zone, slightly leached and slightly rusty.	42926	trace	20.0	24.0	4.0			trace
		42927 Start of irregular carbonate - qtz - chlorite - epidote veining with deformed to brecciated wallrock.	42927	trace	24.0	27.0	3.0			0.002



# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-12 SHEET NO. 2  
 REMARKS \_\_\_\_\_  
 LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Sample 42928 As above.	42928	trm	27.0	31.0	4.0				trm
		42929 As above, veining ends at 34.5 ft.									
		34.5 - 70.8 Homogenous, rare carbonate gtz stringer.									
		Sample 42930 wallrock bleached of chlorite to light green color from 65.0 to 67.0 ft above chlorite-carbonate gtz veining with up to 5% blebby pyrite.	42930	up to 5% py	65.0	69.0	4.0				trm
70.8	138.3	LAPILLI BASALT (1h, 1g) Dark fine-grained matrix with 2 sets of fragments; most common are lapilli sized basaltic fragments, second most common are variable clazy breccia-sized <del>clazy</del> fragments usually several inches wide; <del>matrix</del> <sup>amphibole-rich</sup> is chloritized; the matrix, locally, contains coarse grains of amphibole set in a <del>matrix</del> weak finely acicular silica-rich mafic (weak atoll texture); matrix generally contains carbonate-gtz veining but veining can also cut fragments; banding or weak foliation is often observed at 40° to core axis; subunits of basalt up to 2 ft wide are rare.									

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-12 SHEET NO. 3

REMARKS \_\_\_\_\_

LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Sample 42931 Sample studdles contact at 70.8 ft contact has 1/2 inch wide band of pyrite oriented at 55° to core axis.	42931	minor py	69.0	72.0	3.0				trace
		Sample 42932 Trace fracture - contained pyrite	42932	trace py	97.0	100.0	3.0				trace
		42933 Trace fine-grained pyrite in matrix.	42933	trace py	100.0	103.0	3.0				trace
		Sample 42934 Large derby fragment from 114.7 to 115.7 ft containing trace fine-grained disseminated pyrite, fragment bounded by atll texture matrix basalt	42934	trace py	114.0	117.0	3.0				trace
		127 + Zones up to 3 ft wide of irregular carbonate veining to breccia veining henceforth.									
		Sample 42935 Representative sample of carbonate breccia vein	42935	trace py	133.0	136.0	3.0				trace
		138.3 Irregular, sharp contact to unit downhole solely on the basis of basaltic fragments abruptly ending with same rock type uphole and downhole.									

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-12 SHEET NO. 4  
 REMARKS \_\_\_\_\_  
 LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
138.3	170.1	BASALT (ld) Dark greenish-black; fine-grained; moderately chloritized, weakly carbonatized, generally non-magnetic.										
		Sample 42936 Irregular epidote-carbonate-quartz vein from 149 to 150 ft with <del>top</del> 1/2 dozen parallel stringers at increasingly shallower angles to core axis as one proceeds from uphole towards vein.	42936	trace py	148.0	150.0	2.0					trace
		Sample 42937 Irregular qtz-carbonate-epidote vein, upper and lower contacts have irregular veinlets sub parallel to core axis.	42937	trace py	159.8	163.8	4.0					trace
		42938 Homogeneous basalt uphole from massive pyrite.	42938	-	163.8	165.9	2.1					trace
		42939 Massive pyrite, 80% of interval is fine-grained sulphides, sharp contacts, foliation oriented at 35° to core axis.	42939	80% py	165.9	167.0	1.1					trace
		42940 Increasingly andesitic; zone of carbonate blebs to 1/4 inch size	42940	trace py	167.0	170.1	3.1					trace



# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. JB6-12 SHEET NO. 6

REMARKS \_\_\_\_\_

LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
		Sample 42942	Irregular 1 1/2 ft wide carbonate - qtz - epidote vein	42942	minor PY	193.0	196.0	3.0				trace
		Sample 42943	Representative sample of moderately carbonatized, weakly magnetic basalt.	42943	trace PY	237.0	240.0	3.0				trace
		Sample 42944	Irregular qtz - carbonate - epidote vein.	42944	trace PY	276.0	279.0	3.0				trace
		282 - 297	Medium - to coarse - grained flow with anhedral crystals of calcite to 1/8 inch size, trace sample pyrite.									
		Sample 42945	Described above.	42945	trace PY	285.0	288.0	3.0				trace
		297 ft plus	Occasional S-folded carbonate - qtz veins often with amphibolized wallrock margins; basalt is increasingly finer-grained downhole <del>set</del> to near-aphanitic.									
		Sample 42946	Deformed basalt with irregular < 1 inch wide carbonate veins with minor brecciated wallrock.	42946	trace PY	339.0	342.0	3.0				trace

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J88-17 SHEET NO. 7

REMARKS \_\_\_\_\_

LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Sample 42947 Qtz - carbonate vein, amphibolized matrix margins	42947	trace Py	350.0	352.0	2.0				trace
		Sample 42948 Three irregular carbonate - minor Qtz veins up to 6 inches wide cutting core at high angles.	42948	trace Py	368.4	371.9	3.5				0.016
		Sample 42949 Deformed, aphanitic basalt; fine chlorite bands; minor carbonate veinlets	42949	trace Py	387.0	389.5	2.5				trace
<p>20 boxes of BQ core stored on rack behind campsite - campsite is located on north shore of small bay between Emm Bay of Kekugi Lake and Cedar tree Lake portage.</p> <p>Casing was pulled and collar was marked by a jagged wood picket, 2 ft grid east of collar is a burned-in rod <u>at same orientation as the hole</u> used for an anchor for the machine when drilling.</p> <p style="text-align: center;">2</p>											

# PROTEUS RESOURCES INC. DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. J86-13 LENGTH 297 ft.  
 LOCATION grid coordinates Line 54+10 West / 3+50 South  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION not determined AZIMUTH 156° grid South DIP -45°  
 STARTED Sept. 23/86 FINISHED Sept. 24/86

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
collar	-46°				
297	-49°				

HOLE NO. J86-13 SHEET NO. 1  
 REMARKS Claim K79 4547  
 LOGGED BY M. Beauregard

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS <sup>2</sup>					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
0	8.0	Casing; Ground surface is at 3 ft. below top of casing <del>#</del> (0 ft).										
8.0	176.5	<b>BASALT (ld, la)</b> Dark green to dark greenish black, fine-grained; weak foliation/shearing at 60° to core axis, andesitic to fuffaceous subunits at top of unit with qtz-carbonate veins 1 ft plus wide; weakly carbonatized; weakly to progressively moderately magnetic and moderately chloritized down hole.										
		Sample 43001 Light yellowish grey, fractured, qtz-minor carbonate-minor chlorite vein with 1 foot wide qtz flooded centre containing fine hairline <del>st</del> stringers of magnetite, rusty open pore space along fractures at top of interval.	43001	trace PJ	11.0	14.0	3.0					trace
		43002 Weakly siliceous mafic metavolcanic with 4 inch wide qtz-minor carbonate vein, open fractures, rusted, at 15.2 ft.	43002	trace PJ	14.0	17.0	3.0					trace
		43003 Weakly chloritized mafic metavolcanic with irregular qtz-carbonate stringers	43003	trace PJ	17.0	19.0	2.0					trace

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-13 SHEET NO. 2  
 REMARKS \_\_\_\_\_  
 LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Sample 43004	43004		19.0	21.0	2.0				0.002
		1ft wide qtz-minor carbonate minor chlorite vein at bottom of interval, chlorite provides mottled texture, contacts at 45° to core axis.									
		43005	43005	trace py	21.0	25.5	4.5				trace
		Tuffaceous (or bleached) subunit, gradational contacts; open fractures at top of interval with 1/2 inch rusted wallrock margins.									
		43006	43006	minor py	25.5	27.5	2.0				0.002
		Deformed qtz-chlorite-minor carbonate vein with minor pyrite, bottom 1/2 ft of interval is banded metavolcanic described below.									
		43007	43007	trace py	27.5	30.0	2.5				trace
		Banded mafic metavolcanic comprising chloritized breccia-sized fragments intercalated with dark qtz veinlets oriented at 60° to core axis; fragments are cut by irregular carbonate stringers/veinlets.									
		43008	43008	trace py	30.0	33.0	3.0				trace
		Dark andesite subunit with occasional qtz-carbonate veinlets at 60° to core axis; increasingly chloritic/basaltic down hole; euhedral pyrite to 1/16 inch size									



# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. JR-13 SHEET NO. 3  
 REMARKS \_\_\_\_\_  
 LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
		Sample 43009	As above.	43009	trace	33.0	36.0	3.0			0.002	
		Sample 43010	Wallrock sample uphole from vein; horizontal Qtz - epidote stringer, subparallel to core axis.	43010	py	98.0	101.0	3.0				trace
		Sample 43011	1 ft wide Qtz-epidote - minor purple Qtz (feldspar?) - trace carbonate vein; contacts at 30° to core axis.	43011	trace py	101.0	102.5	1.5				trace
		43012	Silicified, brecciated basalt; at 104 ft occurs core of brecciation with 1/2 ft wide Qtz - rich zone with up to 10% pyrite - blebby and granular; Qtz-chlorite vein and brecciation with minor pyrite continues downhole to sharp contact at 105.5 ft; contact is 1/4 inch wide veinlet oriented at 45° to core axis.	43012	minor to 10% py	102.5	106.0	3.5				trace
		Sample 43013	Irregular Qtz-carbonate-epidote veinlet subparallel to core axis, trace amphibole,	43013	trace py	147.0	150.0	3.0				trace
		Sample 43014	Qtz-chlorite veinlet/vein at 156 ft with 10% pyrite	43014	trace to 10% py	155.6	158.0	2.4				trace

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. JB6-13 SHEET NO. 4

REMARKS \_\_\_\_\_

LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
		163.5 ⊕ Increasingly siliceous (>5.5 hardness); basalt gradually becoming chert down hole.								
		Sample 43015 Trace disseminated pyrite	43015	trace PJ	170.2	172.2	2.0			trace
		43016 Increasingly cherty (basalt?)	43016	minor PJ	172.2	174.2	2.0			trace
		43017 As above; chlorite - of green at irregular contact to W brecciated chert downhole.	43017	minor PJ	174.2	176.5	2.3			trace
176.5	196.2	CHERT (3, 1a) Moderate to light green; aphanitic and highly siliceous; occasional weak, light and dark, coarse laminations oriented at 50° to core axis; brecciated at top of unit; mottled chloritic-rich zones towards base; lacks the distinct qtz-carbonate veins, however, unit contains the rare stringer.								
		Sample 43018 Top of unit sample of brecciated chert.	43018	-	176.5	179.0	2.5			trace
		Sample 43019 weakly laminated chert with minor disseminated pyrite to 1/8 inch anhedral, granular blebs.	43019	minor PJ	185.0	189.0	4.0			trace

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-13 SHEET NO. 5  
 REMARKS \_\_\_\_\_  
 LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON	
					FROM	TO					TOTAL
196.2	231.4	BASALT (1d) Dark greenish black; fine-grained; moderately magnetic, non-carbonatized, non-siliceous, moderately chloritized; occasional qtz-epidote veinlets oriented at 40° to 60° to core axis. 196.2-200 Decreasingly siliceous downhole. 228.0 Increasingly andesitic and less magnetic downhole.									
231.4	259.3	ANDESITE (1a, 3) Moderate green to light greenish gray, fine-grained to aphanitic; dense, siliceous rock; clastic to triffaceous subunits; non magnetic, non carbonatized; occasional veins with minor purple qtz (feldspar?) and epidote plus parallel stringers, all oriented at 50° to core axis; little to no sulphides. Sample 43020 Irregular qtz-minor carbonate veinlets/stringers in fine-grained silicified andesite. 43020 43021 Deformed to folded veinlets/stringers, minor brecciation; several purple qtz-epidote veins at bottom of interval. 43021							trace	trace	
					235.0	237.5	2.5				
					237.5	240.0	2.5				

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-13 SHEET NO. 6

REMARKS \_\_\_\_\_

LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Sample 43022 Siliceous sweat/vein, 9 inches wide, with crosscutting hairline fracture containing chlorite/amphibole.	43022		240.0	241.5	1.5				trace
		43023 Numerous parallel qtz hairline stringers in siliceous andesite.	43023		241.5	245.0	3.5				trace
		43024 Light colored to mottled chert or aphanitic qtz sweat/vein, very hard, dense rock, crosscutting fractures with up to 1/2 inch wide white silica alteration.	43024		245.0	249.0	4.0				trace
		43025 Tuffaceous to cherty	43025		249.0	252.0	3.0				trace
		43026 As above, increasingly andesitic through bottom 1/2 of interval	43026		252.0	255.3	3.3				trace
		43027 Increasingly basaltic vein with sharp contact at 45° to core axis to unit downhole.	43027		255.3	259.3	4.0				0.002
259.3	297.0	BASALT (1d). Dark greenish black, fine-grained, weakly to moderately magnetic, non siliceous, moderately chloritized.									



PROTEUS RESOURCES INC.  
**DIAMOND DRILL RECORD**

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. J86-14 LENGTH 276 ft.  
 LOCATION grid coordinates Line 39400 West / 7+35 South  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 SURFACE ELEVATION 1134 ft ASL AZIMUTH 336° grid North DIP -45°  
 STARTED Sept 26 / 86 FINISHED Sept 27 / 86

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
collar	-45°				
276'	-48°				

HOLE NO. J86-14 SHEET NO. 1  
 REMARKS Claim K79 4546  
 LOGGED BY M. Beauregard

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
				FROM	TO	TOTAL				
0	14.0	Casing; Ground (surface elevation) is at 2 ft <del>down</del> from top of casing (0ft).								
14.0	33.8	TUFF (2f, 1a) Rubble zones and ground core from 14.0 ft to 29 ft. Light grey to light greenish grey; fine-grained, binds at top of unit is basaltic grading quickly to light andesite and tuff within 3 ft. Sample 43029 Qtz - minor carbonate vein (1ft wide?) open fractures with minor rusty coating.	43029	trace Py	14.0	22.0	3.0			trace
		32 - 33.8 Gradationally andesitic, contact to basalt downhole is lost in rubble zone.								
33.8	46.7	BASALT (1d) Dark greenish black, finegrained, moderately chloritized, weakly magnetic, silicified, irregular qtz-epidote veins/sweats increase towards base of unit. Sample 43030 Top of unit sample, several carbonate - qtz stringers subparallel to core axis, trace pyrite below contact, contact is veinlet oriented at 65° to core axis.	43030	trace Py	33.8	36.8	3.0			trace

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. JBb-14 SHEET NO. 2  
 REMARKS \_\_\_\_\_  
 LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
46.7	53.9	Sample 43031 Base of unit sample, irregular Qtz-chlorite-carbonate veins/sweats finely brecciated with minor amphibole grains to 1/8" towards base.  ANDESITE (la) Dark green to moderate greenish gray, fine-grained, numerous Qtz-carbonate veins/sweats, deformed extremely fine-scale Qtz-chlorite breccia veins at top and bottom of unit.	43031	trace P	43.7	46.7	3.0				trace
		Sample 43032 Deformed, extremely fine scale breccia vein to hairline network of Qtz-carbonate- chlorite.	43032	trace P	46.7	48.2	1.5				trace
53.9	64.3	Sample 43033 Base of unit sample, 1/2 dozen irregular finely brecciated Qtz-minor carbonate- chlorite-trace epidote-trace purple feldspar; one Qtz-carbonate vein oriented 60° to core axis at contact.  BASALT (ld, la) Dark greenish black to dark green, fine-grained, siliceous, non-magnetic, trace to minor blebby py.	43033	trace P	50.9	53.9	3.0				trace

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-14 SHEET NO. 3  
 REMARKS \_\_\_\_\_  
 LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		% SiO <sub>2</sub>	% Fe	OZ/TON	OZ/TON
					FROM	TO				
		Sample 43034	43034	minor py	53.9	56.9	3.0			trace
		Sample 43035	43035	trace py	62.8	65.8	3.0			trace
64.3	112.6	<p>TUFF (ZF, 1a)</p> <p>Light greenish grey to moderate green, fine-grained narrow cherty subunits at top of unit; increasingly medium-grained &amp; andesitic towards base with isolated amphibole and/or feldspar grains.</p> <p>70ft Light coloured, wavy (slightly folded) laminations at centre of 1 ft wide cherty subunit, less than 1mm frequency and oriented at 30° to core axis.</p> <p>80ft Chert lapilli fragments in 1 ft wide deformed zone.</p> <p>84-99 Indistinct light grey carbonate-chloride hairline seams emphasizing weak deformation/brecciation.</p> <p>99 plus. Darker, andesitic tuff henceforth.</p> <p>Sample 43036</p> <p>6 inch wide slightly deformed zone with minor stretch zone dividing lighter tuff downhole from darker tuff.</p>	43036	trace py	97.0	100.0	3.0			trace



# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. JB6-14 SHEET NO. 4

REMARKS \_\_\_\_\_

LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		100 ft plus common, distinct white carbonate-gtz stringers to veinlets either irregular or near 60° to core axis orientation.									
112.6	170.3	Sample 43037 Bottom of unit sample, cherty buff, weak brecciation, sharp contact at 50° to core axis to basalt downhill. BASALT (1d, 1a) Dark greenish black to dark green; fine-grained; slightly brecciated, siliceous with occasional pyritic veins to 126 ft, thereafter generally non siliceous weak carbonatization, weakly magnetic (moderate in places), trace pyrite.	43037	min PJ	110.6	112.6	2.0				trace
		Sample 43038 Top of unit sample, gtz-carbonate stringers.	43038	-	112.6	115.6	3.0				trace
		43039 Increasing amt. of irregular stringers, slightly brecciated	43039	trace PJ	115.6	118.6	3.0				trace
		43040 Several 1 inch wide irregular pyritic veins in deformed to brecciated basalt.	43040	1-2% PJ	118.6	121.6	3.0				trace
		43041 As above.	43041	1-2% PJ	121.6	124.6	3.0				trace

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-14 SHEET NO. 5  
 REMARKS \_\_\_\_\_  
 LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
		Sample 43042	43042	min	124.6	127.6	3.0				trace
		Sample 43043	43043	min	134.0	136.0	2.0				trace
		Sample 43044	43044	-	167.0	169.0	2.0				0.002
		43045	43045	2%	169.0	170.3	1.3				0.008
170.3	193.0	ALTERATION ZONE Shale, deformed to brecciated basalt with predominating intruded minerals of carbonate / chlorite / kaolinite / minor silica which may be remnant of veins / little to no pyrite; pyrite forms isolated fine embedded grains.									
		Sample 43046	43046	trace	170.3	172.0	1.7				trace
		43047	43047	-	172.0	175.0	3.0				trace
		43048	43048	-	175.0	178.0	3.0				0.002
		43049	43049	-	178.0	181.0	3.0				0.002

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-14 SHEET NO. 6

REMARKS \_\_\_\_\_

LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
		43050	Rare pyrite	43050	tr	181.0	184.0	3.0				0.014
		43051	As above.	43051	py	184.0	187.0	3.0				tr
		43052	As above.	43052	py	187.0	190.0	3.0				tr
		43053	Deformed foliation at 30° to core axis, trace fuchsite above contact, sharp contact oriented at 35° to core axis to porphyry below.	43053	py	190.0	193.0	3.0				tr
193.0	206.0	<b>FELDSPAR PORPHYRY (5b)</b> Mottled light green - dark gray; light green anhedral feldspar phenocryst to 1/4 inch; dark matrix; irregular alteration to reddish matrix downhole from 197.0 ft with minor fine-grained disseminated pyrite.										
		Sample 43054	Fresh feldspar porphyry	43054	tr	193.0	196.0	3.0				0.018
		43055	As above.	43055	py	196.0	197.6	1.6				0.060
		43056	Altered feldspar porphyry; irregularly hematitized matrix and minor pyrite due to cross cutting carbonate-qtz stringers; locally open structures.	43056	min	197.6	200.6	3.0				tr
		43057	As above.	43057	min	200.6	204.0	3.4				tr
		43058	As above; last foot is siliceous, fine-grained, finely precipitated with fine-grained disseminated pyrite.	43058	py	204.0	206.0	2.0				tr

# DIAMOND DRILL RECORD

NAME OF PROPERTY JESSIE LAKE  
 HOLE NO. \_\_\_\_\_ LENGTH \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_  
 STARTED \_\_\_\_\_ FINISHED \_\_\_\_\_

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. J86-14 SHEET NO. 7

REMARKS \_\_\_\_\_

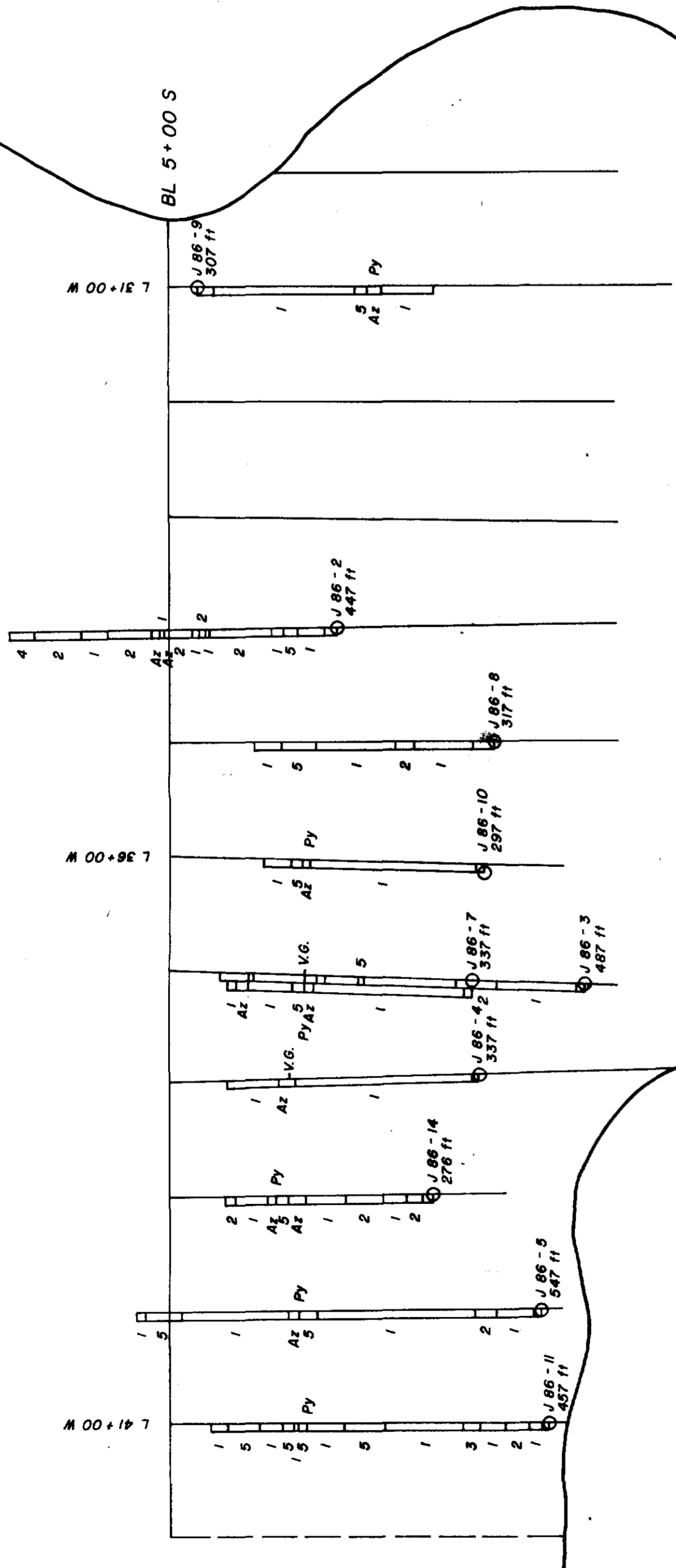
LOGGED BY \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
206.0	215.5	<p><b>ALTERATION ZONE</b>                      Sheared / deformed / brecciated qtz flooded, pyritized zone; qtz flooding has been brecciated to angular lapilli sized fragments, then sealed; abundant thin irregular qtz filled fractures; foliation / brecciation at approximately 40° to core axis at top of unit; moderate purplish grey qtz predominates towards base of unit; sharp upper contact at 40° to core axis, gradational sheared contact, with minor fuchsite, oriented at 50° to core axis downhole.</p>								
		<p>Sample 43059 Nice brecciated qtz flooding, 3-5% pyrite, minor fuchsite, minor yellow qtz fragments.</p>	43059	3-5%	206.0	208.0	2.0			trace
		<p>43060 As above, lacks fuchsite.</p>	43060	3-5%	208.0	210.0	2.0			0.018
		<p>43061 Dark qtz flooding begins at bottom of interval.</p>	43061	3-5%	210.0	212.0	2.0			0.018
		<p>43062 Dark qtz flooding predominates.</p>	43062	1-2%	212.0	214.0	2.0			trace
		<p>43063 Brecciated fuchsite qtz flooding gradually becoming brecciated, silicified mafic metavolcanic.</p>	43063	3%	214.0	215.5	1.5			trace





**DIAMOND DRILLHOLE PLAN  
(INSERT)**  
1" = 100'



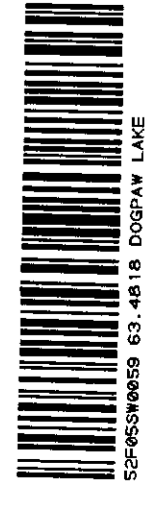
- LEGEND :**
- PRECAMBRIAN
  - 5 FELSIC INTRUSIVES
  - 5b FELDSPAR PORPHYRY
  - 4 MAFIC TO ULTRAMAFIC INTRUSIVES
  - 4a GABBRO
  - 4b PERIDOTITE
  - 2 INTERMEDIATE TO FELSIC METAVOLCANICS
  - 2a TUFF BRECCIA
  - 2b LAPILLI TUFF
  - 2c TUFF
  - 1 MAFIC TO INTERMEDIATE METAVOLCANICS
  - 1a ANDESIESTE
  - 1d MEDIUM TO FINE GRAINED FLOW
  - 1e PILLOWED FLOW
  - 1g TUFF BRECCIA
  - 1h LAPILLI TUFF

- SYMBOLS :**
- X OUTCROP, LARGE, SMALL
  - CONTACT; DEFINED, INFERRED
  - BEDDING; INCLINED, VERTICAL
  - JOINTING; INCLINED, VERTICAL
  - FOLIATION; SHEARING; INCLINED, VERTICAL
  - FAULT
  - GLACIAL STRIAE
  - SWAMP
  - STEEP (SOUTH FACING) SLOPE
  - TRENCH; IDENTIFIER
  - CLAIM POST, CLAIM LINE, CLAIM NO.
  - 794546
  - 057
  - B BRECCIATION
  - C CARBONATIZATION, CARBONATE VEINLETS
  - Ch CHLORITIZATION
  - E EPIDOTE VEINLETS
  - G GOSSAN
  - MD MAGNETIC DEFLECTION
  - Py PYRITE
  - QV QUARTZ VEINLETS
  - S SILICIFICATION
  - Az ALTERATION ZONE

000 86-67 139  
63-2818  
**PROTEUS RESOURCES INC.**  
JESSIE LAKE PROJECT 1986  
KAKAGI LAKE GRID GEOLOGY  
Scale 1:1200 June 1986  
Base Compiled By Chain And Compass  
NTS 52 F/5  
Mapped And Drawn By: J. MARTIN



0 50 100 200 feet  
1" = 100' or 1:1200



15+00N

10+00N

5+00N

0+00

5+00S

10+00S

15+00S

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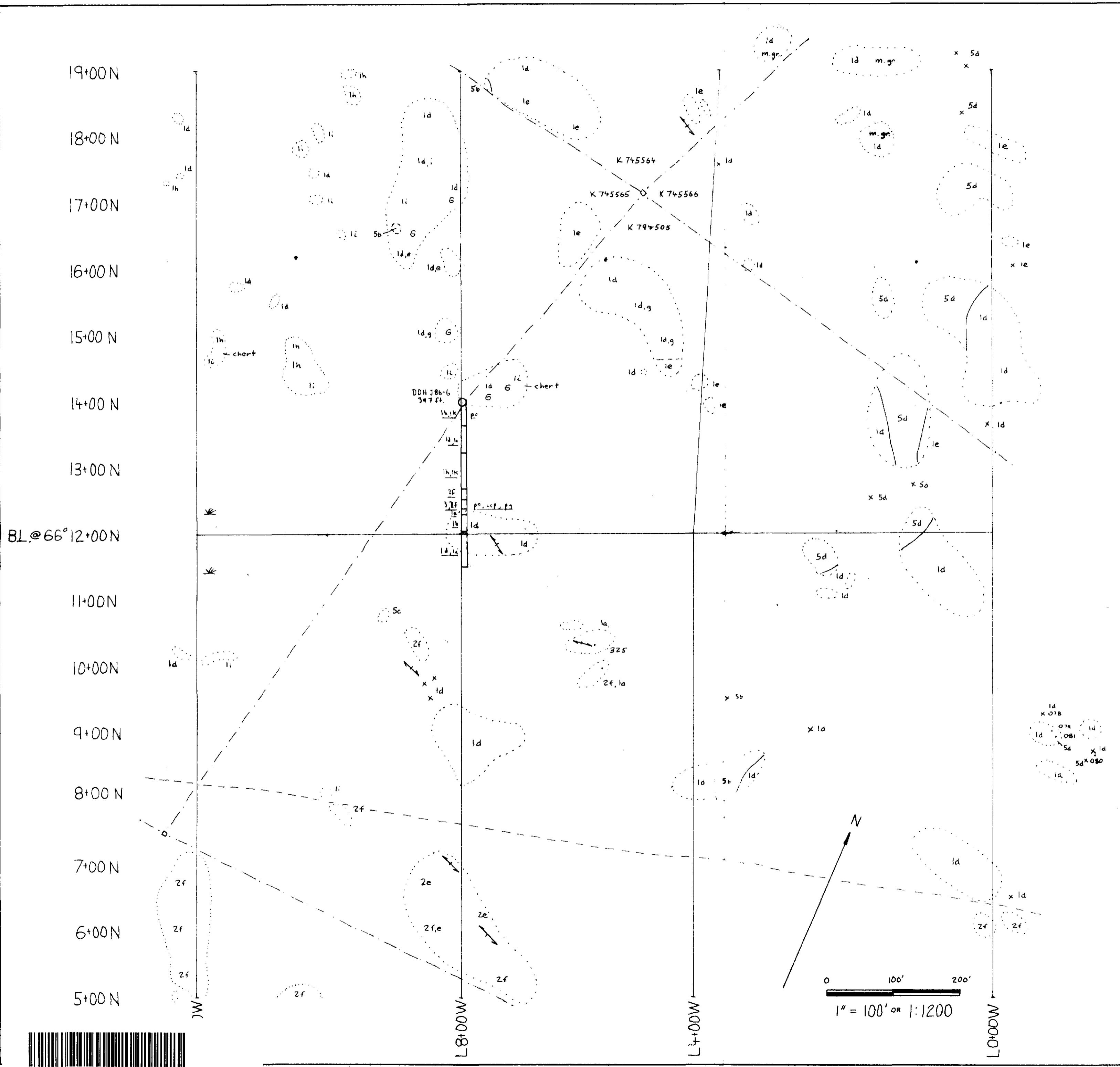
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- LEGEND**
- 5 Felsic Intrusives
    - 5b Feldspar porphyry
    - 5c Quartz porphyry
    - 5d Quartz-feldspar porphyry
  - 2 Intermediate Metavolcanics
    - 2e Lapilli Tuff
    - 2f Tuff
  - / Mafic to Intermediate Metavolcanics
    - 1a Andesite
    - 1d Basalt flow
    - 1g Tuff breccia
    - 1h Lapilli Tuff
    - 1i Tuff
- SYMBOLS**
- x Outcrop; large, small
  - Contact; defined, inferred
  - ↖ Local foliation, shearing
  - Fault; defined, inferred
  - G Gossan, iron staining
  - ↘ Glacial Striae
  - ⊘ Swamp
  - \*057 Grab sample 32057
  - K7494505 Claim post, claim line, claim number

07-86-67139 63-4818

**PROTEUS RESOURCES INC**

JESSIE LAKE PROJECT 1986

VLF CONDUCTOR GRID GEOLOGY

SCALE 1:1200 AUGUST 1986

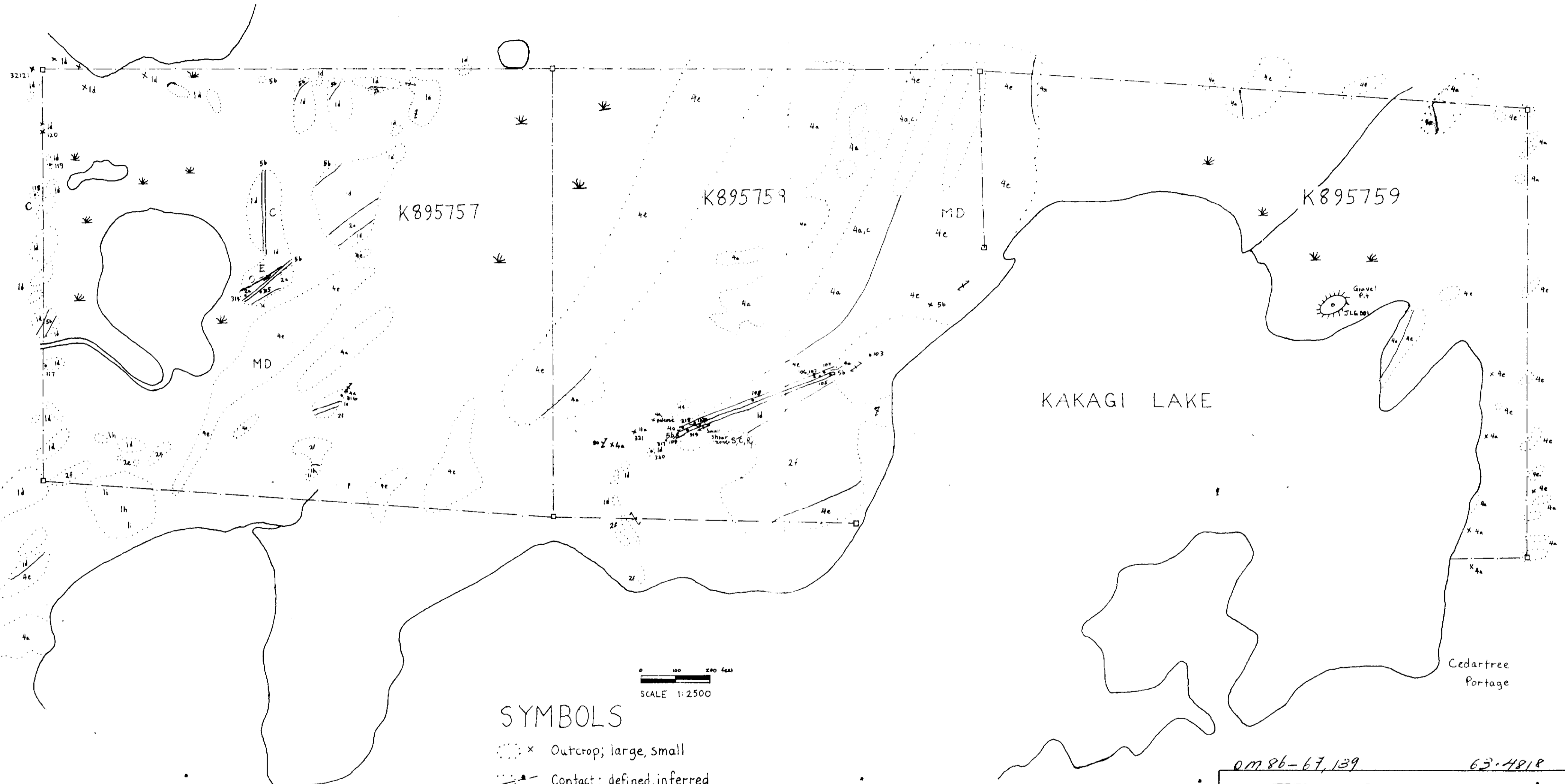
BASE COMPILED BY CHAIN AND COMPASS

BASED ON WIROWATZ (1985)

GEOLOGY BY JEFF MARTIN  
AND SCOTT BOYCE



N  
Magnetic Declination 6°E



**LEGEND**

- 5 Felsic Intrusives
  - 5b Feldspar Porphyry
- 4 Mafic to Ultramafic Intrusives
  - 4a Gabbro
  - 4c Anorthosite
  - 4e Peridotite
- 2 Intermediate to Felsic Metavolcanics
  - 2a Andesite
  - 2e Lapilli Tuff
  - 2f Tuff
- 1 Mafic to Intermediate Metavolcanics
  - 1d Medium to Fine-Grained Flow
  - 1h Lapilli Tuff
  - 1i Tuff

**SYMBOLS**

- x Outcrop; large, small
- Contact; defined, inferred
- A60 X Foliation; inclined, vertical
- Small lake
- /// Creek
- ★ Swamp
- ☼ Gravel Pit
- Claim post, claim line
- K895757 Claim number
- 109 Grab sample 32109
- JLG001 Panned concentrate sample JLG001
- C Carbonatization
- S Silicification
- Py Pyrite
- E Epidote veinlets
- MD Magnetic deflection

0 100 200 feet  
SCALE 1:2500

**ASSAYS (ppm Au)**

Claim	Sample	Au	Ag	Cu
K895757	32103	Trace	32314	0.002
	118	0.002	315	Trace
	119	Trace	316	Trace
	120	Trace		
K895758	32103	Trace	32122	0.02
	104	0.02	32317	0.002
	105	Trace	318	Trace
	106	0.01	319	0.004
	107	0.03	320	0.01
K895759	108	0.05	321	0.002
	109	0.14		

JLG001 0.21 ppm or 0.006 oz/ton

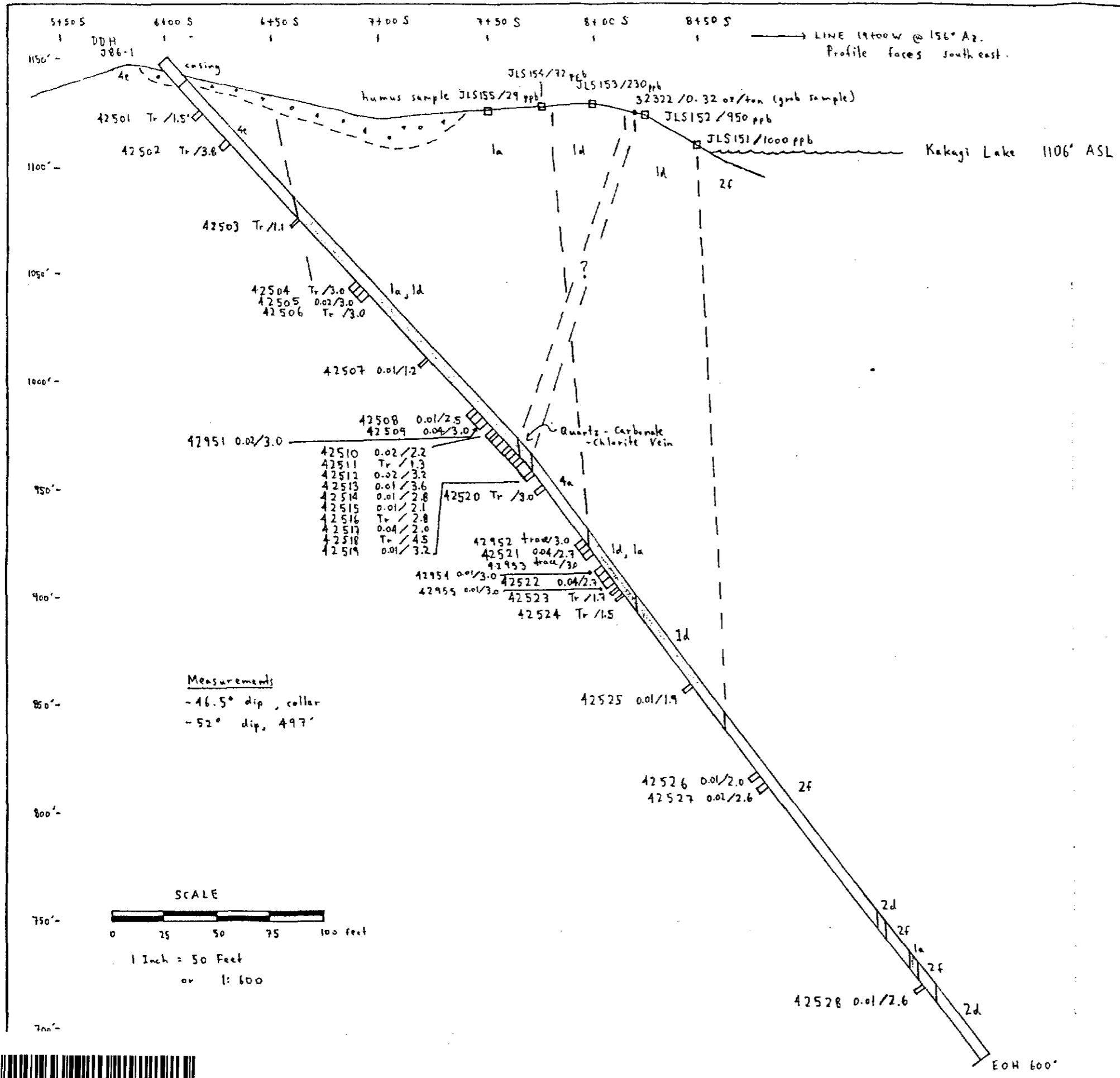
0786-67, 139 63-4818

**PROTEUS RESOURCES INC.**

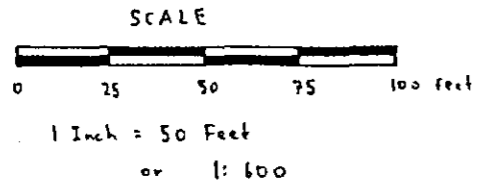
JESSIE LAKE - 1986  
GEOLOGY OF CLAIMS  
K895757, 895758 & 895759

SCALE 1:2500 AUGUST 1986  
NTS 52F15 BASE BY WIROWATZ (1985)  
GEOLOGY BY S. BOYCE, J. MARTIN  
AND M. BEAUREGARD  
DRAWN BY S. BOYCE





Measurements  
 -46.5° dip, collar  
 -52° dip, 497'



01186 - 67,139 63.4818

**PROTEUS RESOURCES INC.**

JESSIE LAKE PROJECT - 1986  
 DIAMOND DRILLHOLE SECTION  
 LINE 19+00 WEST, HOLE J86-1

SCALE 1:600 AUGUST, 1986

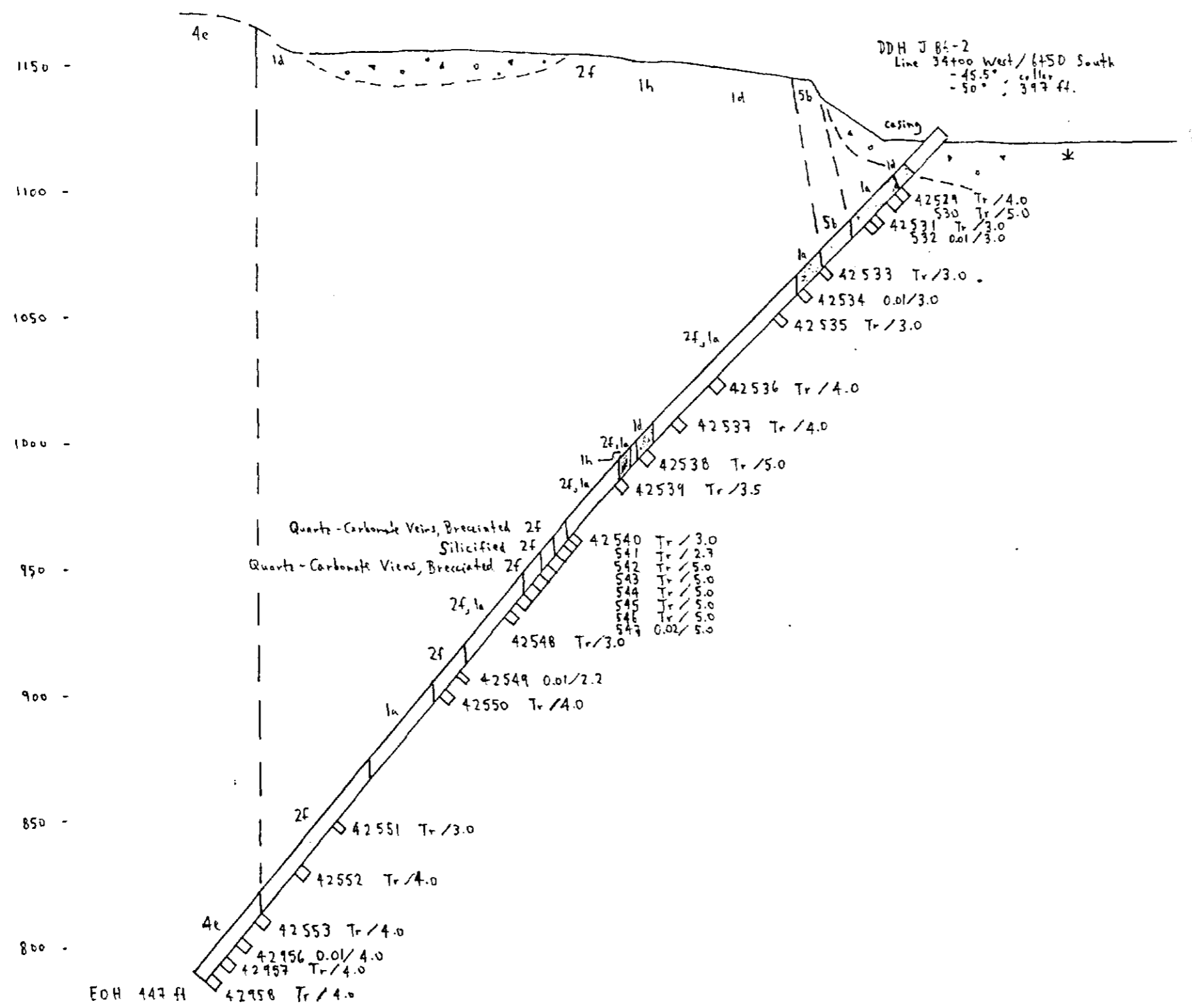
NTS 52F/5, SW 1/4 CLAIM K794544

SURVEYED, LOGGED AND DRAWN BY M. BEAUREGARD  
 BRUNTON, CHAIN AND ACID TEST PROFILE



41005    41505    41505    51505    51505    61005    61505    71005    71505    81005    81505    91005

LINE 34+00 WEST @ 156° Az  
Profile faces south east



01m 86-67139

63-4818

PROTEUS RESOURCES INC.

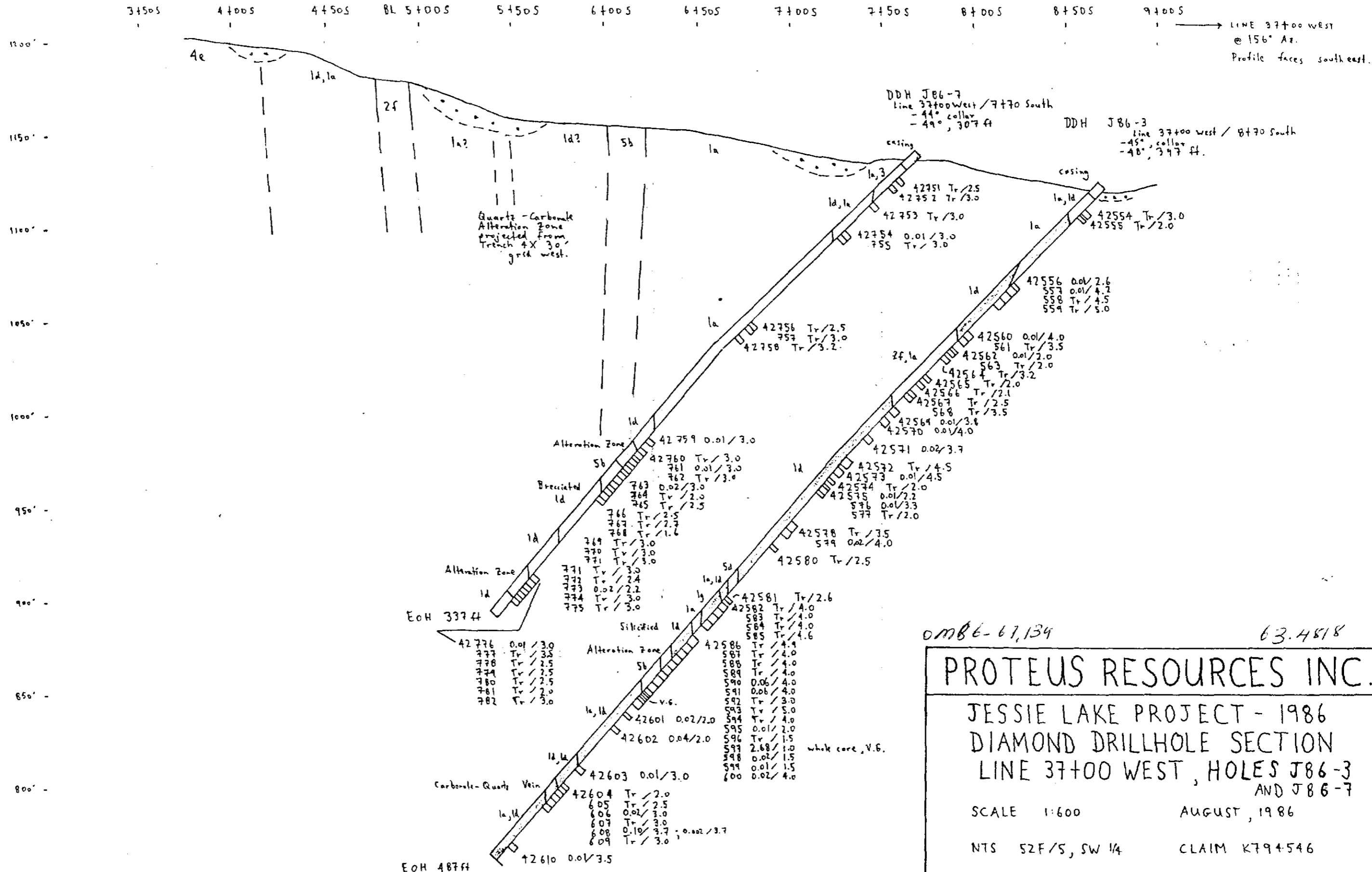
JESSIE LAKE PROJECT - 1986  
DIAMOND DRILL HOLE SECTION  
LINE 34+00 WEST, HOLE J86-2

SCALE 1:600                      AUGUST, 1986

NTS 52F/5, SW 1/4              CLAIM K794545

SURVEYED, LOGGED AND DRAWN BY M. BEAUREGARD





0MB6-67,134 63.4818

**PROTEUS RESOURCES INC.**

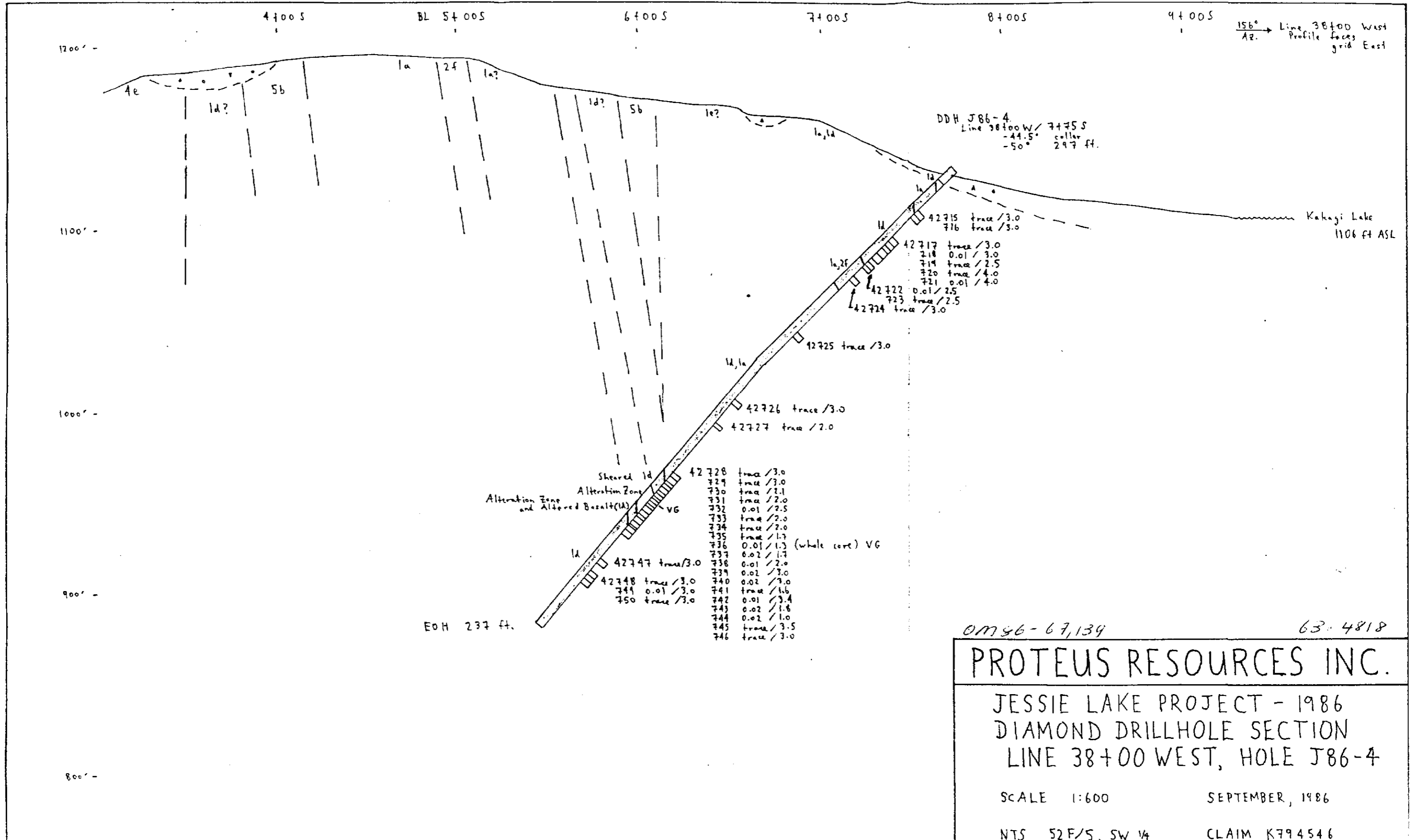
JESSIE LAKE PROJECT - 1986  
DIAMOND DRILLHOLE SECTION  
LINE 37+00 WEST, HOLES J86-3  
AND J86-7

SCALE 1:600 AUGUST, 1986

NTS 52F/5, SW 1/4 CLAIM K794546

SURVEYED, LOGGED AND DRAWN BY M. BEAUREGARD





OM 86-67,139

63-4818

**PROTEUS RESOURCES INC.**

JESSIE LAKE PROJECT - 1986  
DIAMOND DRILLHOLE SECTION  
LINE 38+00 WEST, HOLE J86-4

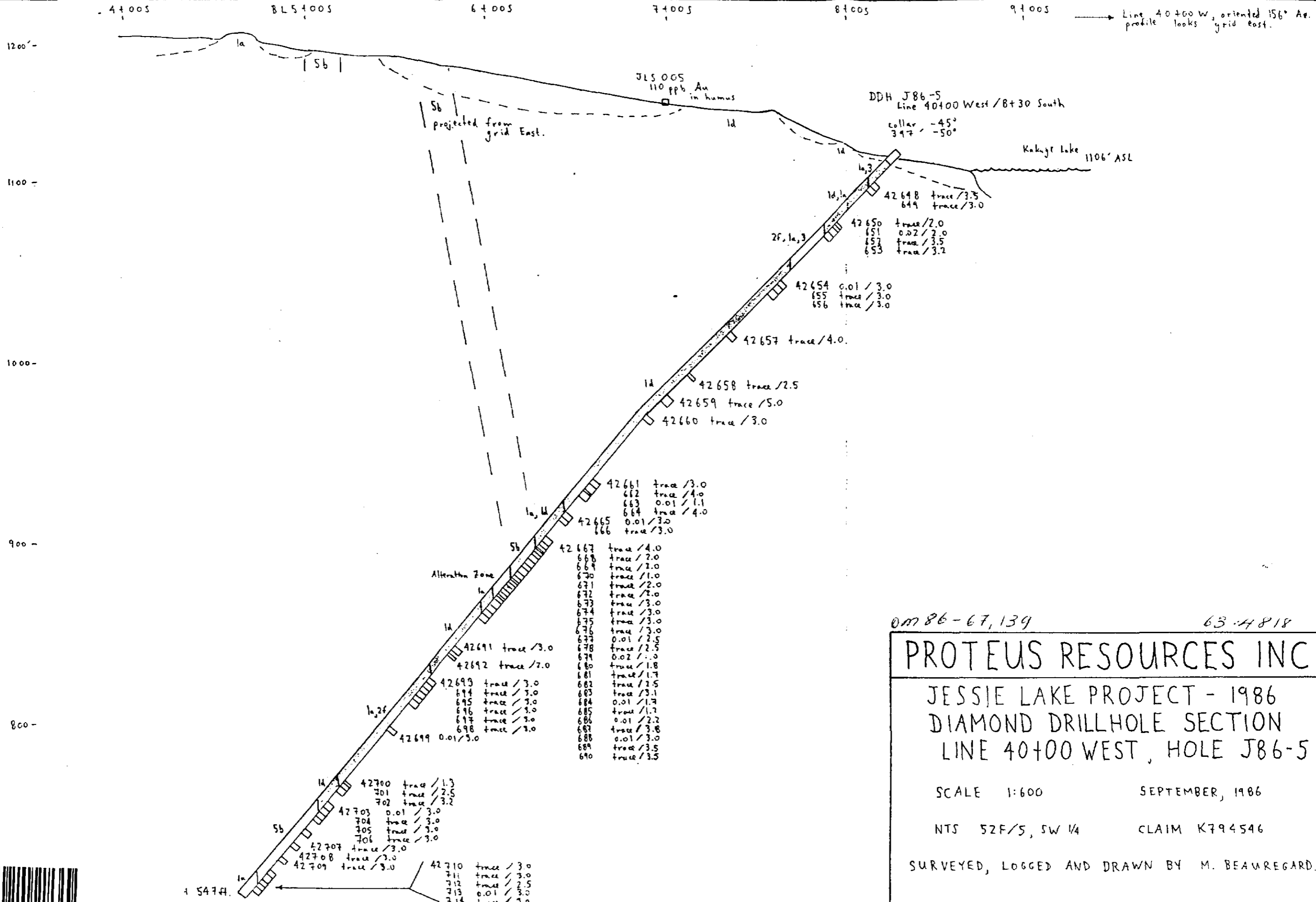
SCALE 1:600                      SEPTEMBER, 1986

NTS 52 F/S, SW 1/4              CLAIM K794546

SURVEYED, LOGGED AND DRAWN BY M. BEAUREGARD



52F055W0059 63.4818 DOGPAW LAKE



0M 86-67,139 63-4818

**PROTEUS RESOURCES INC.**

JESSIE LAKE PROJECT - 1986  
 DIAMOND DRILLHOLE SECTION  
 LINE 40+00 WEST, HOLE J86-5

SCALE 1:600 SEPTEMBER, 1986

NTS 52F/5, SW 1/4 CLAIM K794546

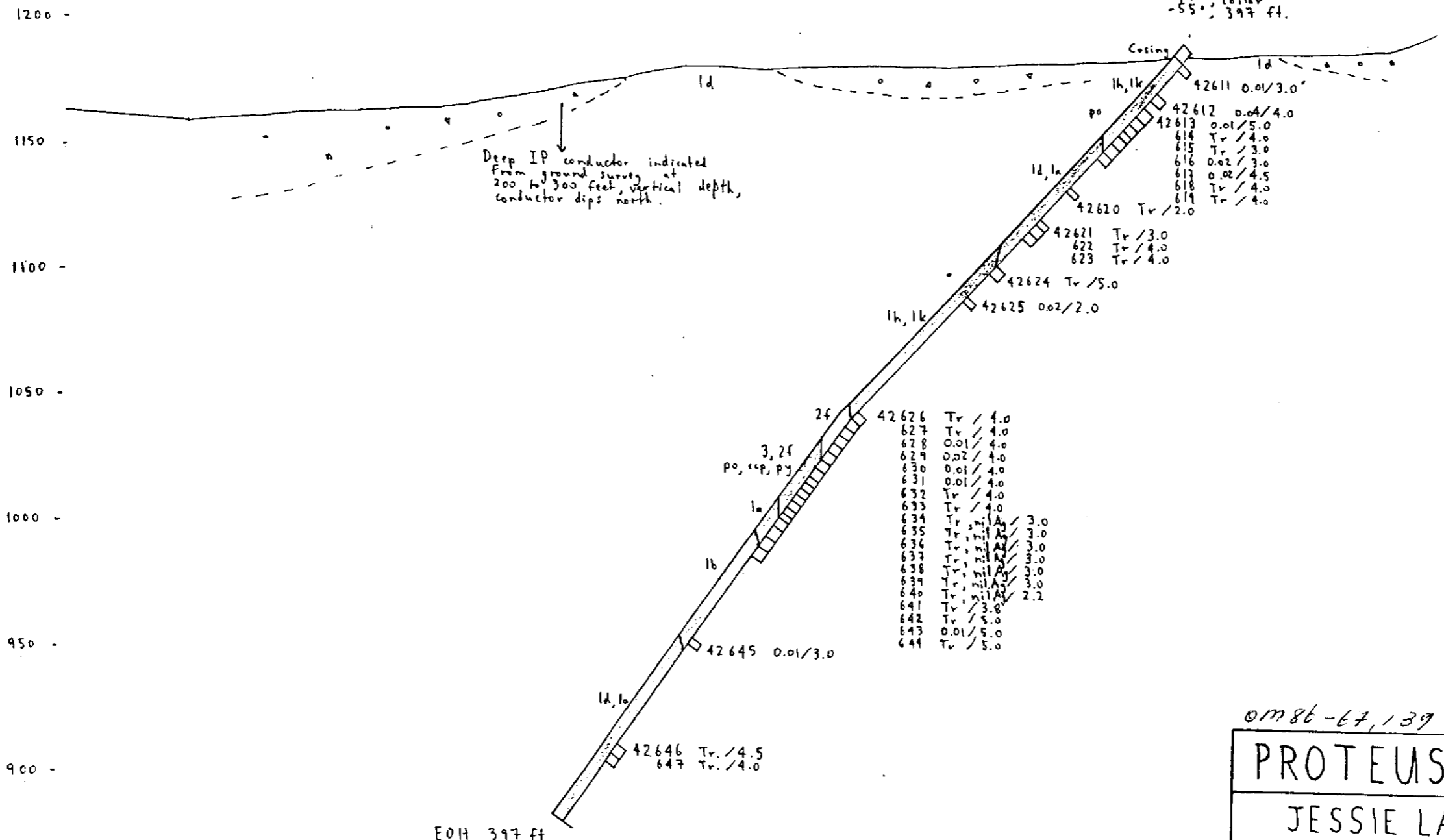
SURVEYED, LOGGED AND DRAWN BY M. BEAUREGARD.



1250' - 10400N      11400N      12400N      13400N      14400N      15400N

LINE 8400 WEST  
(VLF CONDUCTOR GRID)  
@ 336° Az.  
Profile faces grid West

DDH J86-6  
Line 8400 West / 14400 North  
-42° collar  
-55° 397 ft.



42611	0.01/3.0
42612	0.04/4.0
42613	0.01/5.0
614	Tr / 4.0
615	Tr / 3.0
616	0.02/3.0
617	0.02/4.5
618	Tr / 4.0
619	Tr / 4.0
42620	Tr / 2.0
42621	Tr / 3.0
622	Tr / 4.0
623	Tr / 4.0
42624	Tr / 5.0
42625	0.02/2.0
42626	Tr / 4.0
627	Tr / 4.0
628	0.01/4.0
629	0.02/4.0
630	0.01/4.0
631	0.01/4.0
632	Tr / 4.0
633	Tr / 4.0
634	Tr, nil A / 3.0
635	Tr, nil A / 3.0
636	Tr, nil A / 3.0
637	Tr, nil A / 3.0
638	Tr, nil A / 3.0
639	Tr, nil A / 3.0
640	Tr, nil A / 2.2
641	Tr / 3.0
642	Tr / 5.0
643	0.01/5.0
644	Tr / 5.0

0186-67,139      63-4818  
**PROTEUS RESOURCES INC.**

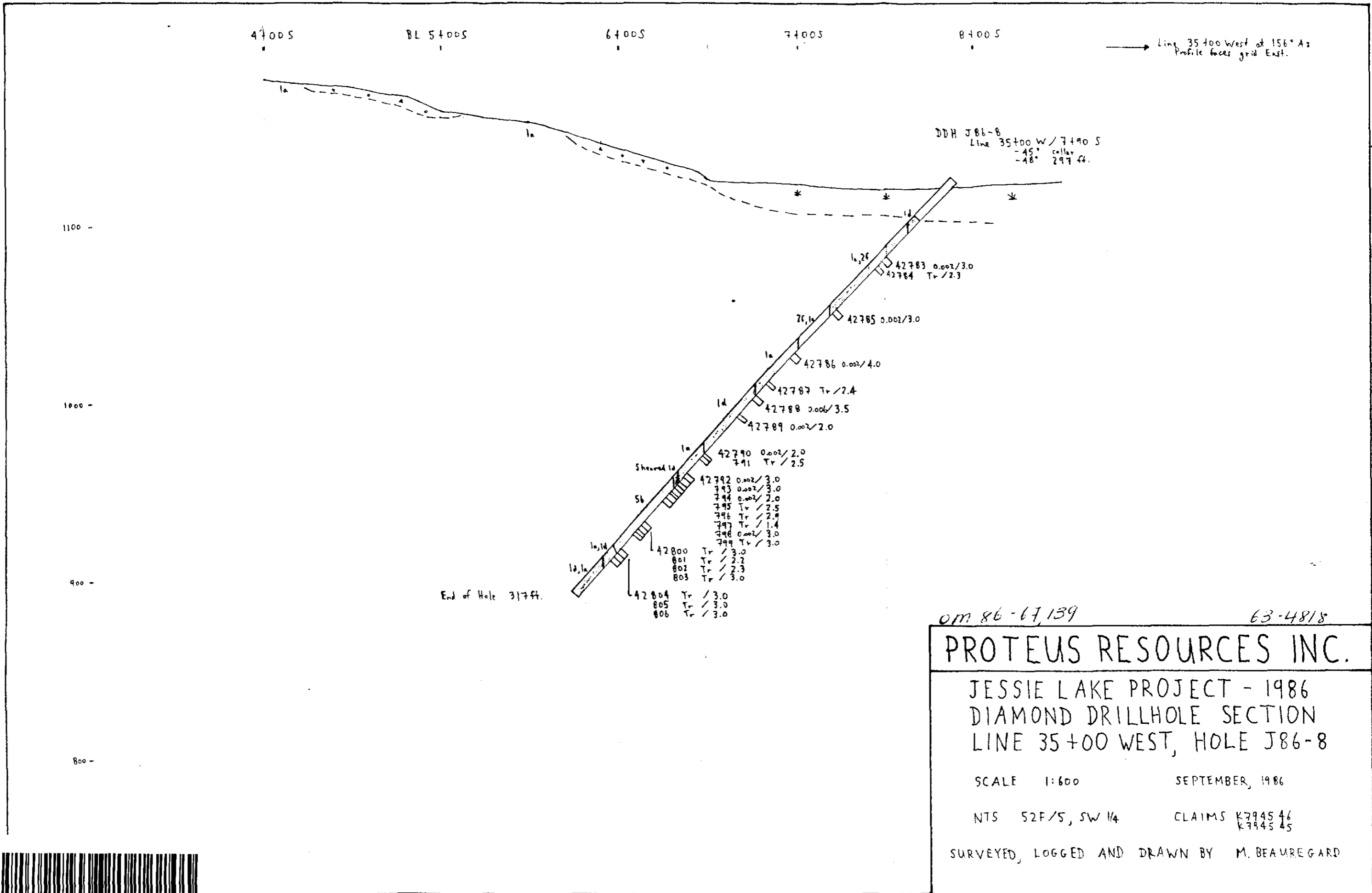
JESSIE LAKE PROJECT - 1986  
DIAMOND DRILLHOLE SECTION  
LINE 8400 WEST, HOLE J86-6  
VLF CONDUCTOR GRID

SCALE 1:600      SEPTEMBER, 1986  
NTS S2F/5, SW 1/4      CLAIM K794505  
SURVEYED, LOGGED AND DRAWN BY M. BEAUREGARD



52F055W0059 63.4818 DOGPAW LAKE





4700S

BL 5400S

6400S

7400S

8400S

Line 35+00 West at 156° Az  
Profile faces grid East.

DDH J86-8  
Line 35+00 W / 7490 S  
-45° collar  
-48° 297 ft.

1100 -

1000 -

900 -

800 -

End of Hole 3177ft.

42783 0.002/3.0  
 42784 Tr / 2.3  
 42785 0.002/3.0  
 42786 0.002/4.0  
 42787 Tr / 2.4  
 42788 0.006/3.5  
 42789 0.002/2.0  
 42790 0.002/2.0  
 791 Tr / 2.5  
 42792 0.002/3.0  
 793 0.002/3.0  
 794 0.002/2.0  
 795 Tr / 2.5  
 796 Tr / 2.9  
 797 Tr / 1.4  
 798 0.002/3.0  
 799 Tr / 3.0  
 42800 Tr / 3.0  
 801 Tr / 2.2  
 802 Tr / 2.3  
 803 Tr / 3.0  
 42804 Tr / 3.0  
 805 Tr / 3.0  
 806 Tr / 3.0

om 86-67,139

63-4818

**PROTEUS RESOURCES INC.**

JESSIE LAKE PROJECT - 1986  
DIAMOND DRILLHOLE SECTION  
LINE 35+00 WEST, HOLE J86-8

SCALE 1:600

SEPTEMBER, 1986

NTS 52F/5, SW 1/4

CLAIMS K7945 46  
K7945 45

SURVEYED, LOGGED AND DRAWN BY M. BEAUREGARD



52F05SW0059 63.4818 DOGPAW LAKE

BL 5+00S

6+00S

7+00S

8+00S

9+00S

Line 31+00 West,  
156° Azimuth  
Profile faces grid East.

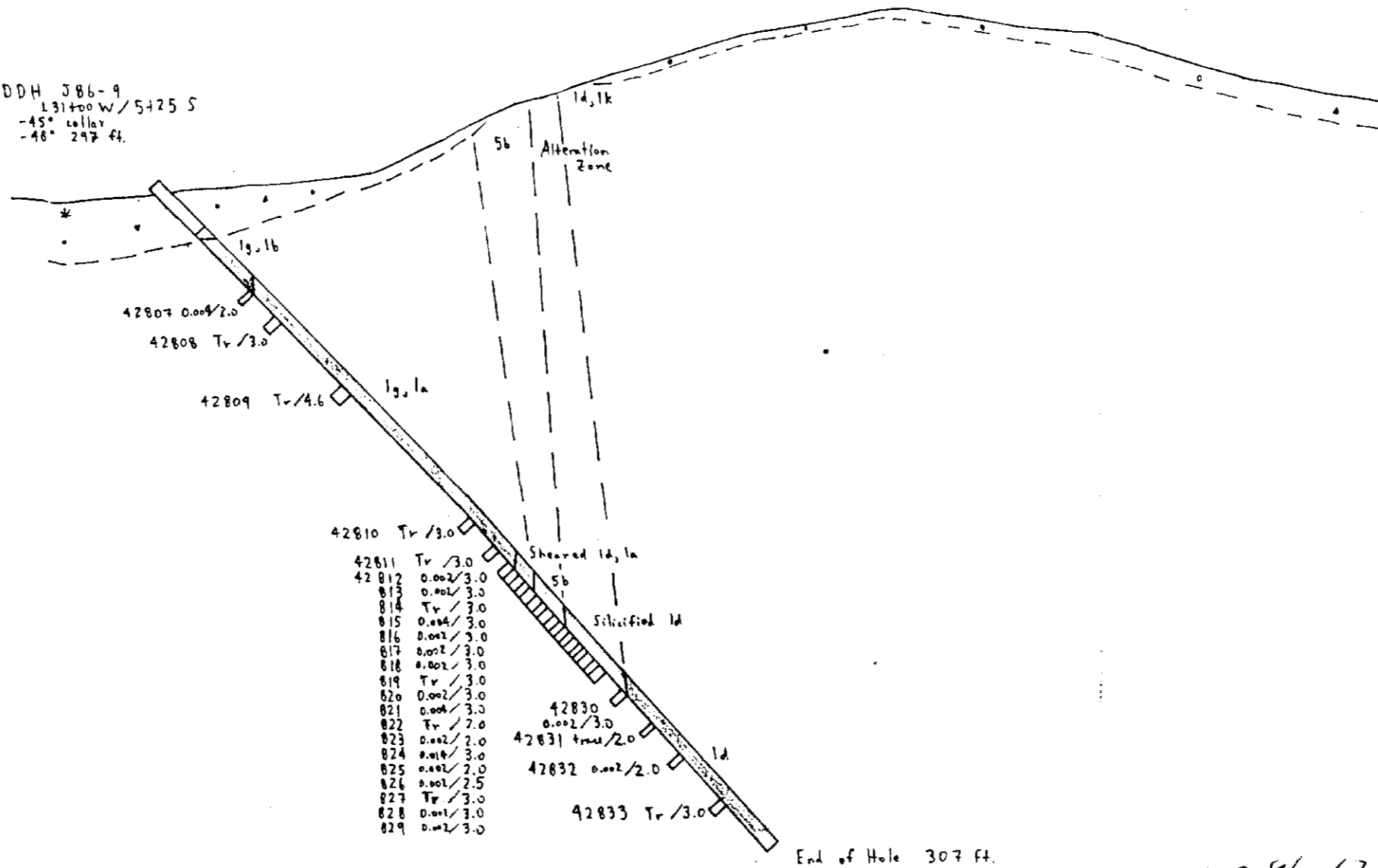
DDH J86-9  
131+00 W / 5+25 S  
-45° dip  
-46° 297 ft.

1100'

1000'

900'

800'



om 86-67, 139

63-4818

# PROTEUS RESOURCES INC.

JESSIE LAKE PROJECT - 1986  
DIAMOND DRILLHOLE SECTION  
LINE 31+00 WEST, HOLE J86-9

SCALE 1:600

SEPTEMBER, 1986

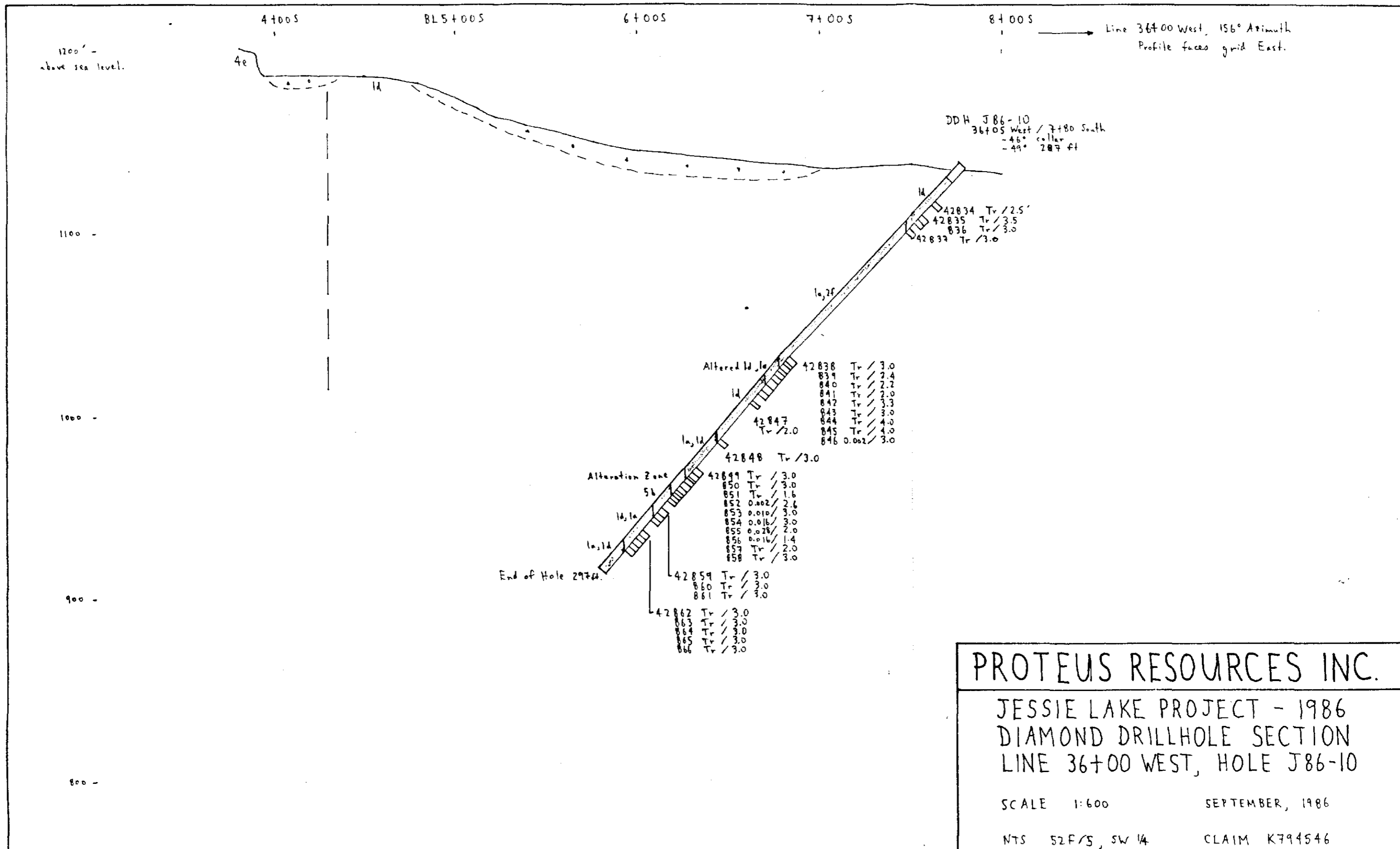
NTS 52F/5, SW 1/4

CLAIMS K794545  
K794544

SURVEYED, LOGGED AND DRAWN BY M. BEAUREGARD.



52F055W0059 63.4818 DOGPAW LAKE



**PROTEUS RESOURCES INC.**

JESSIE LAKE PROJECT - 1986  
DIAMOND DRILLHOLE SECTION  
LINE 36+00 WEST, HOLE J86-10

SCALE 1:600                      SEPTEMBER, 1986

NTS 52F/5, SW 1/4              CLAIM K794546

SURVEYED, LOGGED AND DRAWN BY M. BEAUREGARD



52F055W0059 63.4818 DOGPAW LAKE

4+005

BL 5+005

6+005

7+005

8+005

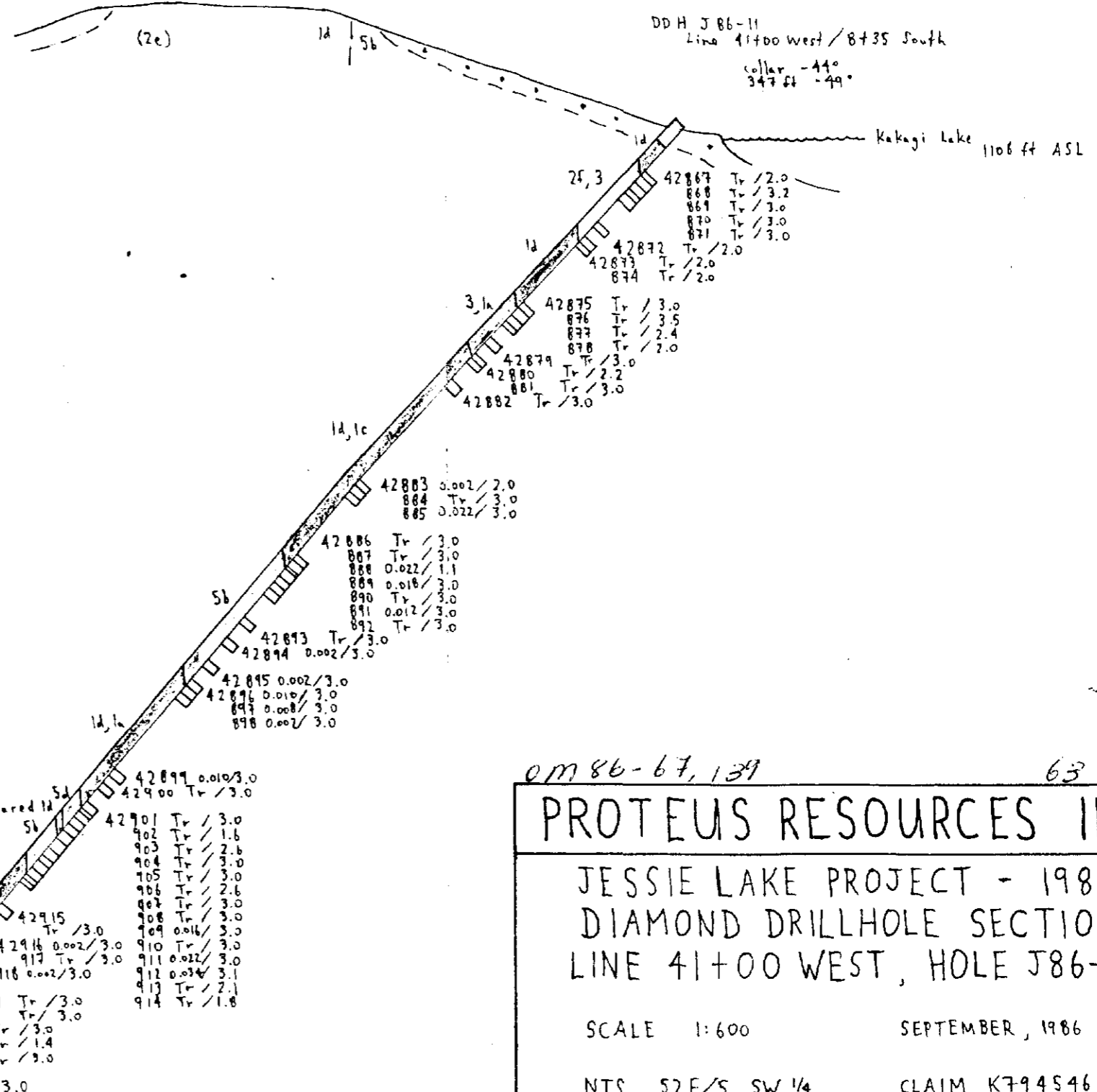
Line 41+00 West, 156° Az  
Profile faces grid East.

1100'

1000'

900'

800'



DDH J 86-11  
Line 41+00 West / 8+35 South  
collar -44°  
347 ft -49°

Kakagi Lake 1106 ft ASL

End of Hole 457 ft.

om 86-67, 139 63-4818

**PROTEUS RESOURCES INC.**

JESSIE LAKE PROJECT - 1986  
DIAMOND DRILLHOLE SECTION  
LINE 41+00 WEST, HOLE J86-11

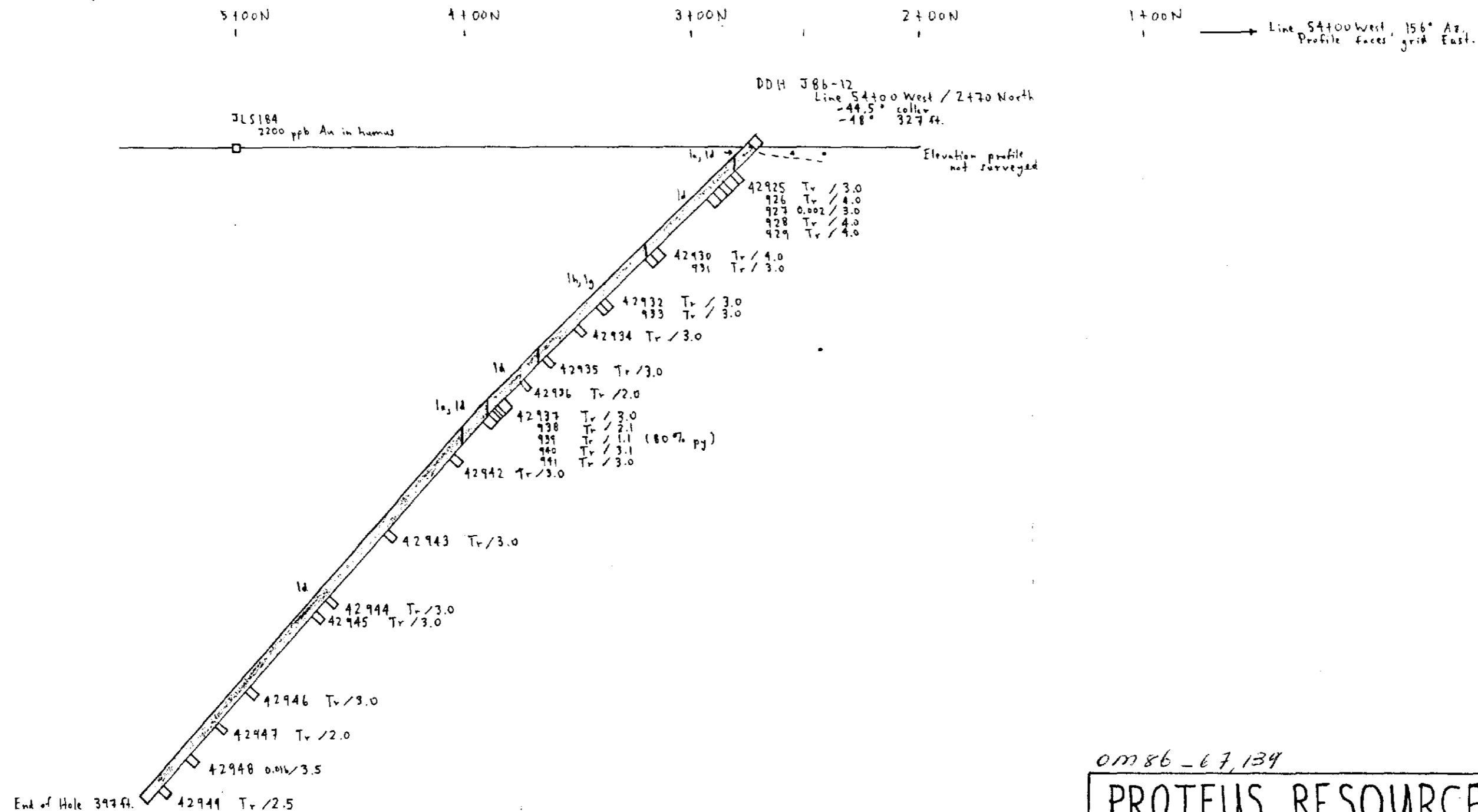
SCALE 1:600 SEPTEMBER, 1986

NTS 52F/S, SW 1/4 CLAIM K794546

SURVEYED, LOGGED AND DRAWN BY M. BEAUREGARD



52F055W0059 63.4818 DOGPAW LAKE



0m86-67,139

63-4818

**PROTEUS RESOURCES INC.**

JESSIE LAKE PROJECT - 1986  
 DIAMOND DRILLHOLE SECTION  
 LINE 54+00 WEST, HOLE J86-12

SCALE 1:600      SEPTEMBER, 1986

NTS 52F/5, SW 1/4      CLAIM K794547

LOGGED AND DRAWN BY M. BEAUREGARD



52F05SW0059 63.4818 DOGPAW LAKE

3+00S                      4+00S                      5+00S                      6+00S                      7+00S

Line 54+00 W, 156° Az  
Profile faces grid East.

DDH J86-13  
Line 54+10 West / 3+50 South.  
-46° collar  
-49° 297 ft.

Magnetic Low

VLF Conductor  
Crosscut

Surface elevation  
not determined.

43001 Tr / 3.0  
002 Tr / 3.0  
003 Tr / 2.0  
004 0.002 / 2.0  
005 Tr / 4.5  
006 0.002 / 2.0  
007 Tr / 2.5  
008 Tr / 3.0  
009 0.002 / 3.0

43010 Tr / 3.0  
011 Tr / 1.5  
012 Tr / 3.5

43013 Tr / 3.0  
43014 Tr / 2.4

43015 Tr / 2.0  
016 Tr / 2.0  
017 Tr / 2.3  
018 Tr / 2.5  
43019 Tr / 4.0

43020 Tr / 2.5  
021 Tr / 2.5  
022 Tr / 1.5  
023 Tr / 4.0  
024 Tr / 4.0  
025 Tr / 3.0  
026 Tr / 3.3  
027 0.002 / 4.0  
43028 Tr / 3.0

End of Hole 297 ft.

01M 86-67, 139

63-4818

PROTEUS RESOURCES INC.

JESSIE LAKE PROJECT - 1986  
DIAMOND DRILLHOLE SECTION  
LINE 54+00 WEST, HOLE J86-13

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