



52F05SW0064 2.8685 DOGPAW LAKE

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JESSIE LAKE RECONNAISSANCE GEOLOGY REPORT

Proteus Resources Incorporated

Submitted by:

W. Wirowatz

*Qual.
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NOV 29 1985

MINING LANDS SECTION



52F05SW0064 2.8685 DOGPAW LAKE

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INTRODUCTION

Interest in the Jessie Lake claim group was stimulated by a submittal brought forward by B. Perry. In October 1984, Proteus Resources Inc., acquired the Jessie Lake claim group, a block of 18 unpatented mining claims.

The claims were purchased to investigate the potential of several favourable environments for gold mineralization. These environments included:

- (1) porphyry dykes
- (2) carbonatized shear zones
- (3) shear zones associated with flexural slip
- (4) fault zones

The Jessie Lake program began Monday July 15, 1985. Field operations ceased Saturday September 7, 1985. During this time the reconnaissance geology survey of the claim group was completed, culminating with the selection of eight trenching sites. Each site was trenched and a total of 11 trenches were completed. Plans are being made to continue the campaign.

Description of Claims, Location, Access, Vegetation, Physiography.

Interest in the Jessie Lake claim group was stimulated by a submittal brought forward by B. Perry. In October 1984, Proteus Resources Inc., acquired the Jessie Lake claim group, a block of 18 unpatented mining claims by an option agreement with B. Perry. The claims cover approximately 643 acres and are numbered as follows: K745564 to K745566 inclusive; K794504 to K794507 inclusive; K794543 to K794552 inclusive and K781538. An additional claim, identified by tag number K842056 was staked in August 1985, to inclose open ground resting between the Proteus Resources claim group and the claim group to the south.

The claim block is located in northwestern Ontario, 40 air miles (63 kilometers), southeast of Kenora, Ontario. The claim block is situated in the central, west portion of the Dogpaw Lake area, in the Kenora district of the Kenora Mining Division, immediately north of Kakagi Lake, in the vicinity of Jessie Lake. The following data list can be utilized to establish the geographic location of the Jessie Lake claim group.

The claim block is bracketed by these coordinates:

latitude	49 17' 50" N	49 18' 45" N
longitude	93 53' 40" W	93 56' 55" W

NTS Map Sheet: 52 F/5 Caviar Lake, scale 1:50,000

OGS Map Sheet: No. 2319 Cedartree Lake, scale 1:31,680

Claim Map Sheet: G.2613 Dogpaw Lake

Nearest centers: 10 air miles (16 km) NW to Sioux Narrows

13 air miles (21 km) S to Nestor Falls

Nearest road: 3 air miles (5km) E to Highway 71

There is no road access to the property. Access to the Jessie Lake claim block is achieved by boat from Kakagi Lake (refer to NTS map sheet 52 F/SW, Rowan Lake, scale: 1:100,000).

Within the confines of the property, access is by small craft and by pace and compass. Access to the northwestern portion of the claim group requires a 1100 foot (335 meter) long portage from Emm Bay (of Kakagi Lake), into Jessie Lake.

The boreal forest vegetation is dominated by black spruce. A white birch and poplar canopy covers the well drained slopes of unconsolidated glacial drift rising to upland areas. The undergrowth beneath this canopy is a tangle of birch and poplar saplings, maple and ash. White birch and poplar with cedar rim the lakeshore as gallery effect vegetation. Cedar is also found in the shallow wet depressions that are at the base of upland hills. Pine stands occupy the few patches of sandy till and grow amongst the outcropping hummocks.

Balsam is found with black spruce in low lying poorly drained areas.

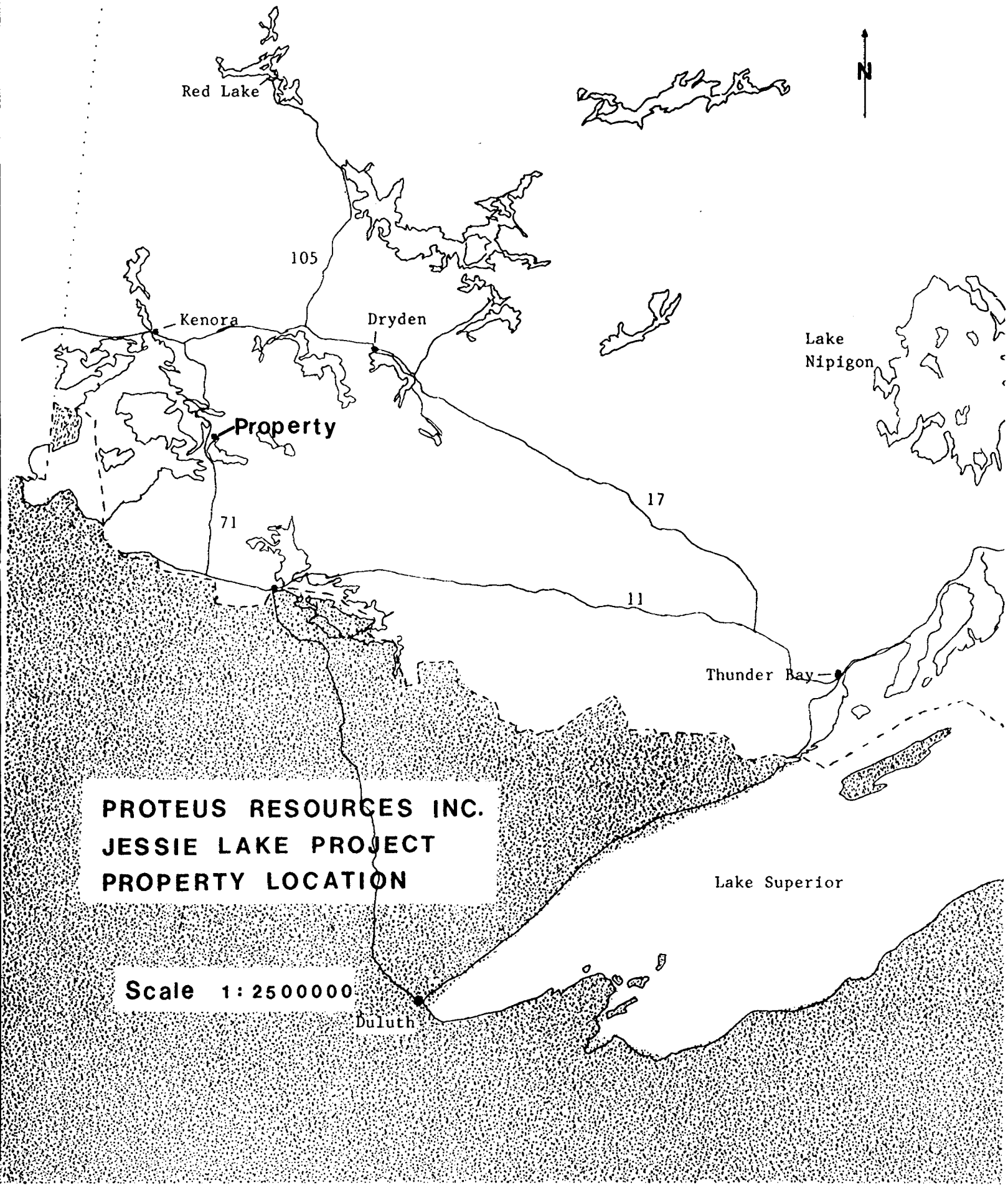
A meadow of wild grasses in the southwest corner of the claim group is the only reminder of a homestead. The grasses flourish in the sandy till.

Poison sumac was found on the property.

The prominent topographic feature on the property is Jessie Lake. The lake is about 1.1 miles (1.8 kilometers) in length, 0.5 miles (0.8 kilometers) in width, and covers approximately 20% of the surface area of the claim group. The north shore of the lake rises quickly and crests at the 350 meter (1148 feet) contour. Beyond the crest of the shoreline, to the northern boundary of the property, the terrain undulates and rises to a maximum height of 380 + 5 meters (1247 feet). The south shore of the lake is a ridge, that rises steeply and overlooks the lake from an average height of 370 meters (1214 feet). The ridge can rise to a maximum height of 380 + 5 meters (1247 feet). The south side of the ridge slopes gradually downward to an elevation of 350 meters (1148 feet) at the southern boundary of the property.

Jessie Lake, (at elevation 345 + meters 1132 feet) drains to the southeast into Emm Bay of Kakagi Lake (at elevation 337 + meters 1105 feet). Emm Bay in turn drains eastward into Cedartree Lake (at elevation 331 + meters 1086 feet).

The topography of the map area is inherently dependent upon the type of bedrock. Terrain underlain by mafic metavolcanics is normally low and undulatory. Intermediate to felsic metavolcanics and differentiated mafic to ultramafic intrusives provide good bedrock exposures, hills, that are elongated parallel to the trend of the rock units.



Red Lake



105

Kenora

Dryden

Lake Nipigon

Property

17

71

11

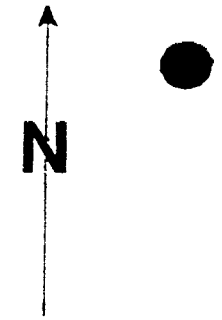
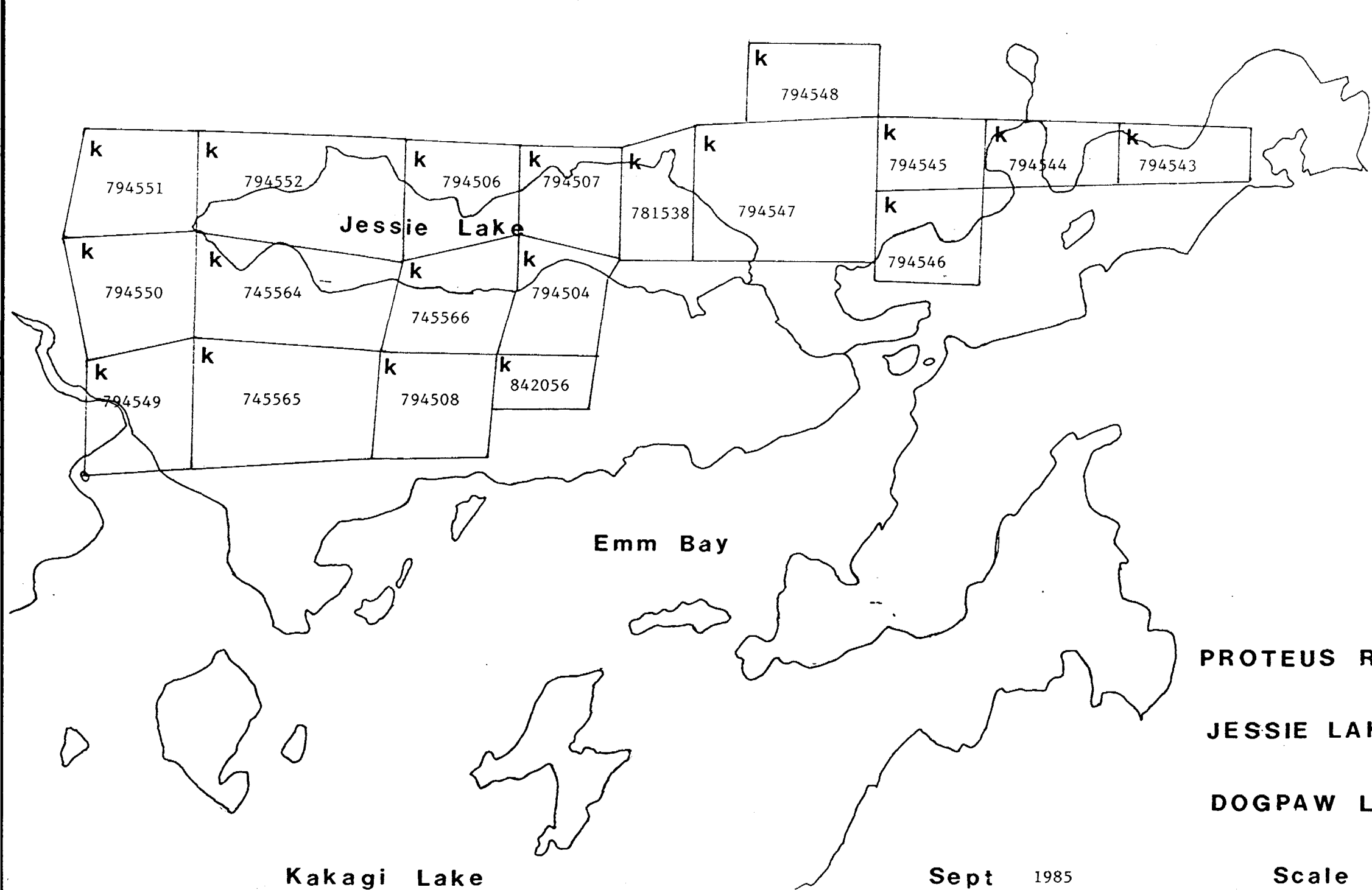
Thunder Bay

**PROTEUS RESOURCES INC.
JESSIE LAKE PROJECT
PROPERTY LOCATION**

Lake Superior

Scale 1:2500000

Duluth



PROTEUS RESOURCES INC.

JESSIE LAKE PROPERTY

DOGPAW LAKE G. 2613

Kakagi Lake

Sept 1985

Scale 1 : 15,840

5/58

Previous work

An airborne geophysics survey was flown over the Jessie Lake property. The airborne geophysics survey was a combined survey of VLF electromagnetics and total field magnetics flown privately in May 1985, for the firm of Terraquest Limited, consultants, acting on behalf of Proteus Resources Inc. Three geophysics survey maps were produced, at scale 1:10,000. They are:

- an airborne magnetic survey map with a plot of total magnetic field.
- an airborne magnetic survey map with a plot of vertical magnetic gradient calculated from total field magnetics.
- an airborne VLF-EM survey map with a plot of the contours of total field strength and profiles of quadrature.

The airborne geophysics report and interpretation were submitted to Proteus Resources Inc., Monday September 23, 1985.

Interpretation, Synopsis.

The strongest magnetic highs defined the gabbroic intrusives. Secondary magnetic highs situated over the mafic metavolcanics, may suggest that they be hyabysal or even gradations within the mafic to ultramafic intrusives. These secondary magnetic highs over the mafic metavolcanics coincided with mafic outcrops enriched with magnetite. Magnetic lows define intermediate to felsic metavolcanic outcroppings. A broad VLF-EM conductor stretches from west to east across Jessie Lake. This conductor may represent accumulated conductive lake bottom sediments ie. clays, organic debris.

The area south of Jessie Lake and on the northern and western shores of Emm Bay was prospected by Gold Sun Mines Ltd., in the late 1800's. Two adits, about 600 feet (183 meters) apart, 45 feet (13.7 Meters) and 70 feet (21.3 meters) long, respectively were driven to intersect the basal alteration zone

of the first gabbroic sill. Surface stripping of outcrops was also performed.

The Gold Sun Mines prospect was staked by J.P. Williams and N.S. Caswell and then optioned to Sylvanite Gold Mines Ltd., in the early 1940's. Sylvanite Gold Mines Ltd., rediscovered the basal alteration zone and subsequently traced the zone for a strike length of about 2 miles (3.2 kilometers). Zone width ranged from 200 feet (60 meters) to 400 feet (120 meters). The zone was described as being pervasively carbonatized and interlaced with quartz stringers and veinlets, a promising environment for gold and silver.

On the peninsula immediately east of the Emm Bay - Jessie Lake portage, Sylvanite Gold Mines drilled two diamond drill holes, through the alteration zone in 1944. The holes were collared north and south of the zone. The zone, oriented at a strike of Az. 090 was approximately 25 feet (7.6 meters) wide at the drill site. The claims were allowed to lapse.

The Gold Sun Mines prospect was restaked and abandoned several times through the years. In 1982, the property was obtained by Bigstone Minerals Ltd. from B. Perry. Bigstone Minerals in turn optioned the property to INCO. Two years of work have been done; the program, a geology survey, several ground geophysics surveys and diamond drilling were completed in June 1985. The Bigstone Mineral option was renewed by INCO in August 1985.

Work Undertaken

A temporary survey grid of flagged lines, oriented at Az. 337 (Az. 157) was utilized to provide control across the entire property for the reconnaissance geology survey. The flagged lines were \leq 1.3 kilometers in length and were spaced at \leq 100 meter intervals. The claim lines were also flagged and incorporated into the survey grid.

The geological survey of the property began July 15 and ended September 7, 1985.

The objective of the reconnaissance geology survey was to search for prospective traps and horizons for gold, such as carbonatized shear zones, quartz veins, porphyry dykes, shear zones associated with flexural slip and fault zones. When they were found, these environments were sampled, the samples were assayed and if it was warranted, the site was trenched.

Trenching was proposed for 8 sites on the Jessie Lake property.

Site 1	Location	Claim 794545
		From cp #1-794545 go south 155m
		the proposed trench site.

Description

A zone of altered gabbro occurs at the southern edge of an outcrop of leucogabbro. The zone is approximately 2.5 meters (8.2 feet) wide and has been traced for a strike length of 70 meters (230 feet). Strike orientation is Az. 063.

The weathered surface of the zone is a conspicuous dark orange brown to reddish brown hue and is very rough, hackly in appearance. The fresh surface is a mildly sheared, medium to fine grained rock, greyish green to green in colour. The zone is enriched with silica, pervasively carbonatized with

ankerite (Ca,Mg,Fe) CO₃ and calcite (Ca CO₃) and weakly chloritized. Where it is present, a mineral that appears to be fuchsite imparts to the fresh rock surface a lime green colour. Fine to very fine grained pyrite is disseminated throughout the zone. Minor quartz carbonate/calcite veinlets < 2mm in width have intruded along joint plane, oriented at 029/58 NW, and 117/87 SW.

Site 2 Location Claim 794545
From cp #1-794545 go south 235 m to the proposed trench site or alternatively from cp #2-794545 go north 25 m to the proposed trench site.

Description.

A mafic breccia - tuff is intruded by a feldspar porphyry dyke. The mafic breccia - tuff has a dark green, fine grained tuffaceous matrix which supports breccia and lapillistone sized fragments, that vary in colour from dark green to black, and from a pale green to a buff cream. The fragments vary in composition from mafic to intermediate. The larger sized fragments also vary in shape from angular to subrounded.

The feldspar porphyry dyke is approximately 10 meters (33 feet) wide and has a strike length traced for 20 meters (66 feet) at Az. 066. The weathered surface of the dyke is greyish white, the feldspar phenocrysts appear as chalky white, euhedral to subhedral crystals < 2mm in size. The fresh porphyry surface is a clash of colour, between the greenish - white feldspar phenocrysts and the rose hue of the very fine grained felsic matrix. The dyke is weakly pyritized and weakly carbonatized. The shear is mildly imprinted and oriented at 031/84 NW.

An alteration zone approximately one meter wide occurs at the southern contact between the mafic breccia - tuff and the feldspar porphyry dyke. The contact orientation is 061/76 SE. The zone is composed of very fine grained rock, green to dark green in colour, that has been pervasively carbonatized and well silicified. The carbonate has been oxidized to a rusty orange brown hue. Very fine grained pyrite < 1% is disseminated throughout the zone.

Site 3 Location Claim 794544

The proposed trench site is situated on the eastern side of the peninsula at the water's edge.

Description.

A silicified breccia zone, approximately one meter wide is oriented at Az. 038. The breccia fragments < 2cm in size and varying in colour from black to red, to a creamy yellowish brown are supported by a siliceous reddish brown to black matrix. The matrix is also hematitized and mildly carbonatized. Very fine grained pyrite is disseminated throughout the zone.

Site 4 Location Claim 794546

From cp #1-794546 go west 155 m, then go south 20 m to the proposed trench site.

Description.

A shear and breccia zone is found at this site. the zone, which may be as wide as 7 meters, is oriented at Az. 064. The breccia fragments < 4mm in size and varying in colour from light green to creamy yellow to white are supported by a siliceous dark grey to black matrix. Randomly oriented quartz carbonate veinlets intrude the zone. The zone is pervasively carbonatized and weak to moderate hematitization occurs along the shear planes. Fine grained pyrite and chalcopryrite are disseminated throughout the zone.

Site 5 Location Claim 745565

From cp #2-745565 go west 105 m then go north 295 m to the proposed trench site.

Description.

A bedded mafic ash tuff, green to dark green in colour is moderately carbonatized and hosts stringers of fine to medium grained sulphides in shears that are parallel to the bedding planes, oriented at 104/80 SW. The particulates coarsen to the west. Hematite staining is observed along joint planes. Some joint plane altitudes are: 088/86 SE, 142/78 SW, 133/75 SW, 025/75 NW.

Site 6 Location Claim 794546
From cp #1-794546 go west 135 m then go south
130 m to the proposed trench site.

Description.

A shear zone, oriented at 110/88 NE, passes through a mafic tuff horizon. The zone, about 3 meters (9.8 feet) wide is pervasively carbonatized and moderately to well silicified. Fine to medium grained pyrite and chalcopyrite is disseminated throughout the zone. Malachite staining is common. A 17 cm (6.7 inches) wide, white quartz vein has intruded the shear zone.

Site 7 Location Claim 794547
From cp #2-794547 go west 300 meters to the
proposed trench site.

Description.

A zone of altered mafic flow, about 1 meter (3.3 feet) wide, has been traced for a strike length of 50 meters (164 feet). The strike orientation is Az. 064.

The weathered surface is a "rusty" orange brown oxidation rind. The fresh surface is a sheared, medium to fine grained rock, pale green to green in colour. The zone is moderately silicified and carbonatized with ankerite. Very fine grained pyrite is disseminated in the horizon.

Site 8 Location Claim 794549

From the mouth of the creek go to the western bank, then go 30 meters west and then go 30 meters north to the proposed trench site.

Description.

On the south side of the hill is an outcrop of sheared mafic lapilli-tuff. The shear zone, approximately 2 meters (6.6 feet) wide, is oriented at 160/90. The lapilli-tuff is silicified and pervasively carbonatized. Very fine grained pyrite is disseminated throughout the zone. Quartz veinlets have intruded the shear zone, adopting many attitudes.

Work Done.

Site 1 Location Claim 794545
 From cp #1-794545 go south 155 m to the
 trench site.

Description.

Trench 1 orientation: Az. 220
 length : 6 meters (19.7 feet)
 width : 2 meters (6.6 feet)

Sample Number	Interval (meters)	Au (ppb)
7563	0.0 - 0.5	59
7564	0.5 - 1.0	26
7565	1.0 - 1.5	33
7566	1.5 - 2.0	40
7567	2.0 - 2.5	4
7568	2.5 - 3.0	12
7569	3.0 - 3.5	7
7570	3.5 - 4.0	4
7571	4.0 - 4.5	18
7572	4.5 - 5.0	10
7573	5.0 - 5.5	11
7574	5.5 - 6.0	6
7575	grab sample	14

0.0 - 1.0 Samples 7563 and 7564 were taken from the zone of altered gabbro. The weathered surface is a rusty orange brown to reddish brown hue and is very rough. The fresh surface is a mildly sheared, medium to fine grained rock, greyish green to green in colour. The samples are enriched with silica,

pervasively carbonatized with ankerite, siderite and chloritized. Fine to very fine grained pyrite in trace amount is disseminated throughout the sample interval.

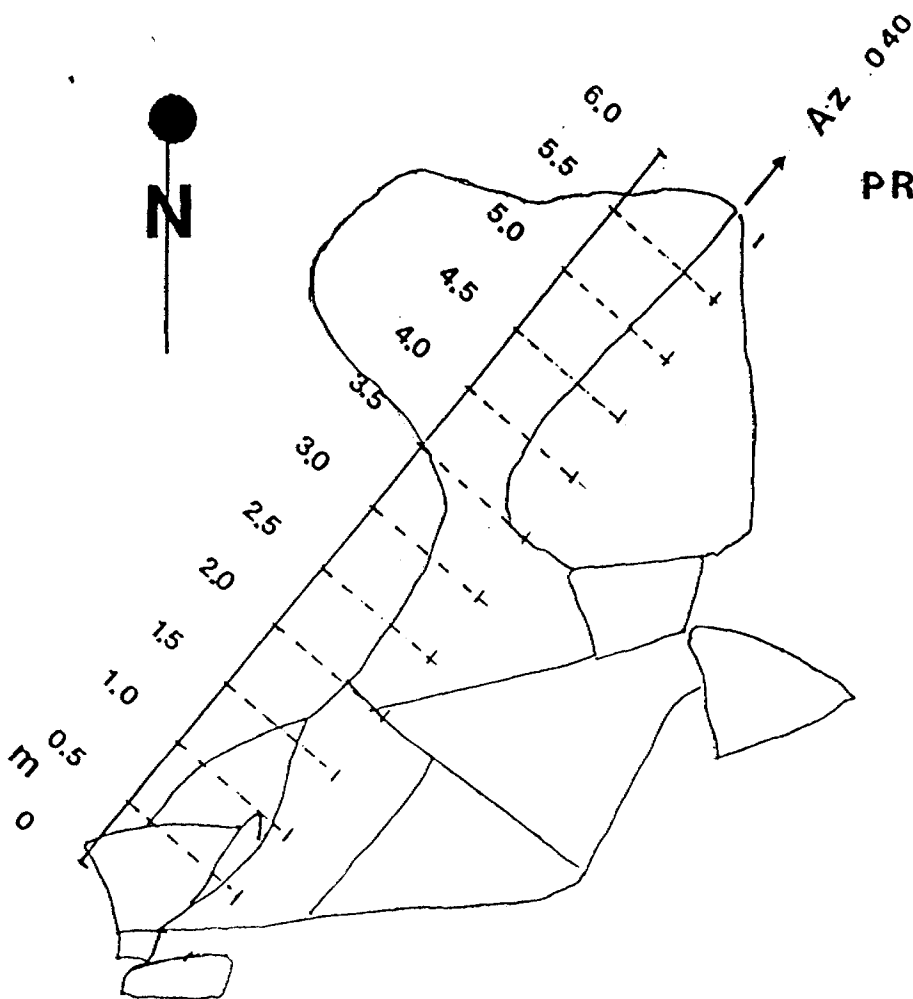
1.0 - 2.5 Samples 7656 to 7567 were taken from the alteration zone. The weathered surface is dull orange brown to tan brown in colour. A mottled greyish green fresh surface is fine grained and moderately sheared at 064/60 SE. The sample interval is pervasively carbonatized with ankerite, siderite and calcite and is moderately silicified. Fuchsite, a chrome enriched mica, lime green in colour is present in small quantities. Very fine grained pyrite, in trace amounts is disseminated throughout the interval. Minor white quartz carbonate veinlets intruded joint planes oriented at 029/75 NW and 117/87 SW.

2.5 -6.0 Samples 7568 to 7574. The weathered surface is a rusty orange brown to reddish brown oxidation rind. The medium to fine grained rock is pervasively carbonatized and weakly silicified. The shear is weak and changes from 060/64 E to 078/82 SE. Very fine grained pyrite, in trace amounts is disseminated throughout the interval.

Sample 7575 is a grab sample taken one meter south of the chip sampling done from 1.0 - 1.5 meters. The characteristics of sample 7575 are very similar to sample 7565.

**PROTEUS RESOURCES INC.
JESSIE LAKE**

Claim 794545
Trench 1
August 1985
Scale 1cm = 0.5m



Trench 1 orientation: Az. 220
length : 6 meters (19.7 feet)
width : 2 meters (6.6 feet)

Sample Number	Interval (meters)	Au (ppb)
7563	0.0 - 0.5	59
7564	0.5 - 1.0	26
7565	1.0 - 1.5	33
7566	1.5 - 2.0	40
7567	2.0 - 2.5	4
7568	2.5 - 3.0	12
7569	3.0 - 3.5	7
7570	3.5 - 4.0	4
7571	4.0 - 4.5	18
7572	4.5 - 5.0	10
7573	5.0 - 5.5	11
7574	5.5 - 6.0	6
7575	grab sample	14

Site 2 Location Claim 794545

From cp #2-794545 go north 25 m, then go Az. 254
for 5 m to trench site.

Description.

Trench 2A orientation: Az. 074
length : 3.3 meters (10.8 feet)
width : 2 meters (6.6 feet)

Two sections were sampled across the width of the trench. The first section began at the one meter mark along the trench length and was orientated at Az. 344. The second section began at the two meter mark along the length of the trace and was oriented at Az. 344.

Section 1: orientation Az. 344, length 1.4 meters (4.6 feet)

Section 2: orientation Az. 344, length 1.7 meters (5.6 feet)

Sample Number	Interval (meters)	Au (ppb)	Au (.oz)
Section 1			
7576	0.0 - 0.05	7	
7577	0.05 - 0.5		0.030
7578	0.5 - 1.0	960	
7579	1.0 - 1.4	12	
Section 2			
7580	0.0 - 0.2	52	
7581	0.2 - 0.5		0.105
7582	0.5 - 1.0	240	
7583	1.0 - 1.4	44	
7584	1.4 - 1.7	56	

Section 1

0.0 - 0.05 Sample 7576 was taken from the mafic breccia-tuff. The mafic breccia tuff has a dark green, fine grained tuffaceous matrix which supports breccia and lapillistone sized fragments. The matrix is weakly carbonatized and moderately silicified. The fragments vary in composition from mafic to intermediate. The larger sized fragments also vary in shape from angular to subrounded. Very fine grained pyrite in trace amounts is disseminated in the rock. Joints are oriented at 138/52 NE and 076/84 SW.

0.05 - 1.0 Samples 7577 and 7578 are representative chip samples taken from the alteration zone. The zone is approximately one meter wide. the orientation of the contact between the mafic breccia-tuff to the south and the alteration zone is 061/76 SE. The orientation of the contact between the alteration zone and the feldspar porphyry, to the north, is generalized to be Az. 056. The alteration zone is composed of very fine grained rock, green to dark green in colour that has been pervasively carbonatized with calcite siderite, and ankerite and well silicified. The carbonate has been oxidized to a rusty orange brown colour. Very fine grained pyrite < 1% is disseminated throughout the zone.

1.0 - 1.4 Sample 7579. The weathered surface of the feldspar porphyry is greyish white, the feldspar phenocrysts appear as chalky white, euhedral to subhedral crystals < 2mm in size. The fresh porphyry surface is a clash of colour between the greenish - white feldspar phenocrysts and the rose hue of the fine grained matrix within the intrusive. The matrix is greyish green at the margins of the contact.

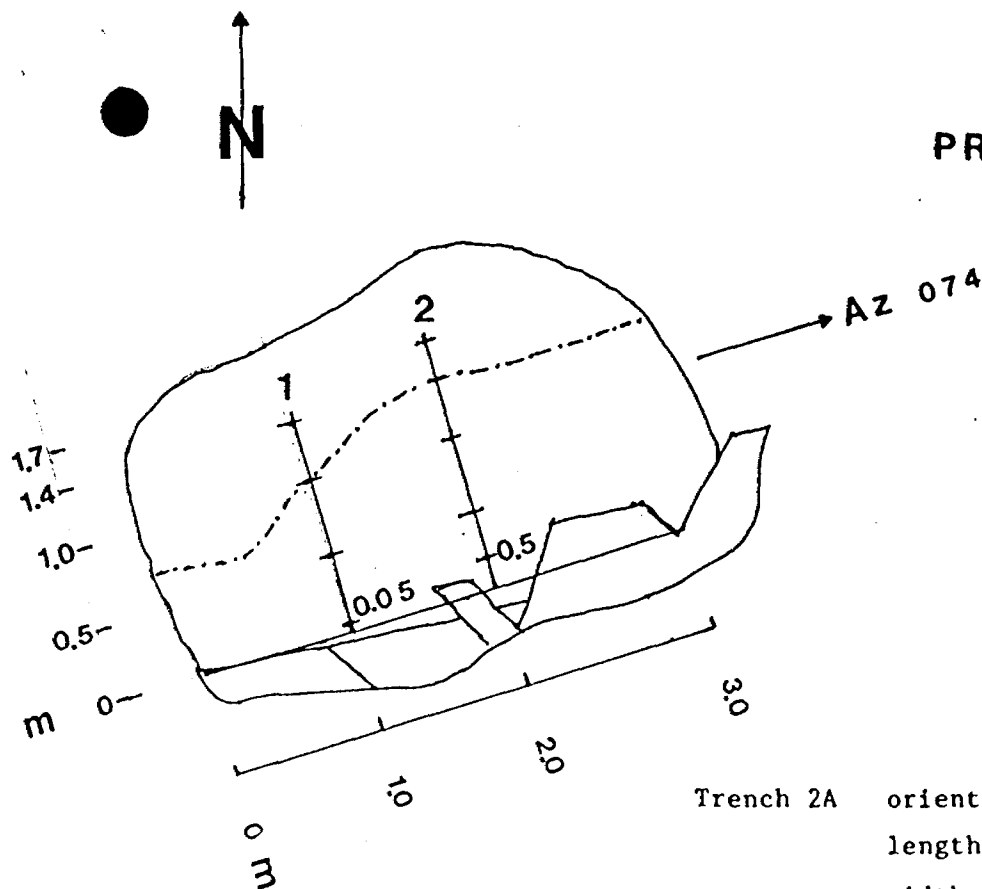
Section 2

0.0 - 0.2 Sample 7580 has a description that is similar to sample 7576.

0.2 - 1.4 Samples 7581 to 7583 have a description that is very similar to samples 7577 and 7578.

1.4 - 1.7 Sample 7584 has a description that is similar to sample 7579.

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JESSIE LAKE



Claim 794545
Trench 2A
August 1985
Scale 1cm = 0.5m

Trench 2A orientation: Az. 074
length : 3.3 meters (10.8 feet)
width : 2 meters (6.6 feet)

Two sections were sampled across the width of the trench. The first section began at the one meter mark along the trench length and was orientated at Az. 344. The second section began at the two meter mark along the length of the trace and was orientated at Az. 344.

Sample Number	Interval (meters)	Au (ppb)	Au (.oz)
Section 1			
7576	0.0 - 0.05	7	
7577	0.05 - 0.5		0.030
7578	0.5 - 1.0	960	
7579	1.0 - 1.4	12	
Section 2			
7580	0.0 - 0.2	52	
7581	0.2 - 0.5		0.105
7582	0.5 - 1.0	240	
7583	1.0 - 1.4	44	
7584	1.4 - 1.7	56	

Site 2 Location Claim 794545
 From cp #2-794545 go north 25 m, then go Az. 069
 for 6 meters to trench site.

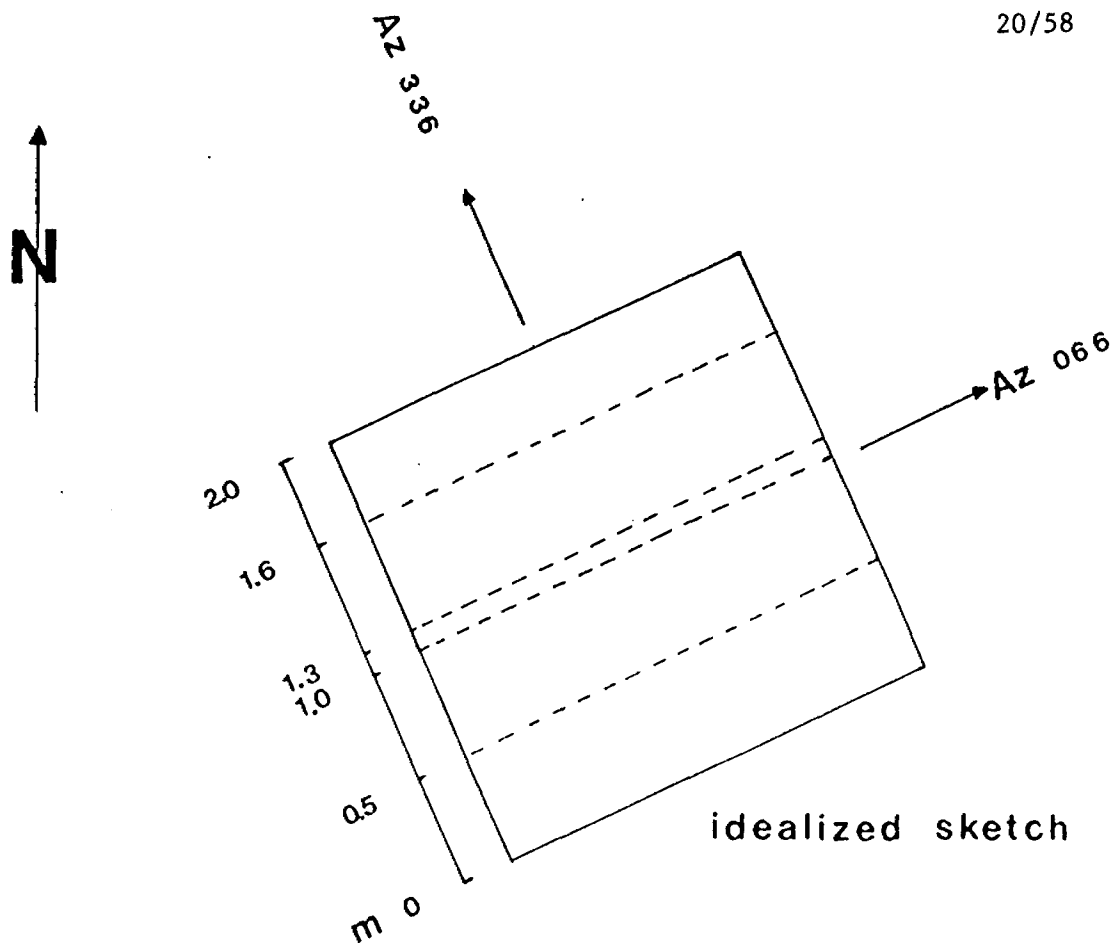
Description.

Trench 2B Orientation: Az. 336
 length : 2 meters (6.6 feet)
 width : 2 meters (6.6 feet)

Sample Number	Interval (meters)	Au (ppb)	Au (.oz)
7585	0.0 - 0.5	232	
7586	0.5 - 1.0	151	
7587	1.0 - 1.3	159	
7588	1.3 - 1.6		0.035
7589	1.6 - 2.0		0.042

0.0 - 1.3 Samples 7585 to 7587 were taken from a mafic flow. The mafic flow is dark green to black in colour, aphanetic and weakly siliceous. Very fine grained pyrite in trace amounts are disseminated throughout the zone. The rock appears to be sheared or joint planes maybe closely spaced. Joint orientations are 144/83 NE and 086/86 SE.

1.3 - 2.0 Samples 7588 and 7589 are representative chip samples taken from the alteration zone. The zone is approximately 0.7 meters wide. The orientation of the alteration zone is 061/76 SE. The alteration zone is composed of very fine grained rock, dark green to black in colour that has been pervasively carbonatized and well silicified. The carbonate has been oxidized to a rusty orange brown colour. Very fine grained pyrite in trace amounts is disseminated throughout the zone. Bleaching and silicification has occurred along the joint planes oriented at 076/86 SE.



Trench 2B Orientation: Az. 336
 length : 2 meters (6.6 feet)
 width : 2 meters (6.6 feet)

Sample Number	Interval (meters)	Au (ppb)	Au (.oz)
7585	0.0 - 0.5	232	
7586	0.5 - 1.0	151	
7587	1.0 - 1.3	159	
7588	1.3 - 1.6		0.035
7589	1.6 - 2.0		0.042

PROTEUS RESOURCES INC.
JESSIE LAKE

Claim 794544
Trench 2B
August 1985
Scale 3cm = 1m

Site 3 Location Claim 794544

The trench sites 3A, 3B and 3C are situated on the eastern side of the peninsula.

Location Trench 3A

From cp #1 - 794544 go due west for 175 m then go due south for 170 m to trench site.

Description.

Trench 3A orientation: Az. 308
 length : 4 meters (13.1 feet)
 width : 1.5 meters (4.9 feet)

Sample Number	Interval (meters)	Au (ppb)	Au (.oz)
7590	0.0 - 0.7	149	
7591	0.7 - 1.0	99	
7592	1.0 - 1.5	74	
7593	1.5 - 2.0	80	
7594	2.0 - 2.7	30	
7595	2.7 - 3.0	41	
7596	3.0 - 3.1		0.090
7597	3.1 - 3.3	104	
7598	3.3 - 3.9	40	
7599	3.9 - 4.1	19	

0.0 - 2.7 Samples 7590 to 7594 were taken from a mafic flow. The mafic flow is dark green to black in colour, very fine grained, and altered - pervasively carbonatized, weakly silicified and chloritized. The carbonate is oxidized to a rusty orange hue. Fine grained pyrite in trace amounts is disseminated throughout the interval. Close spacing of joints bears a semblance to

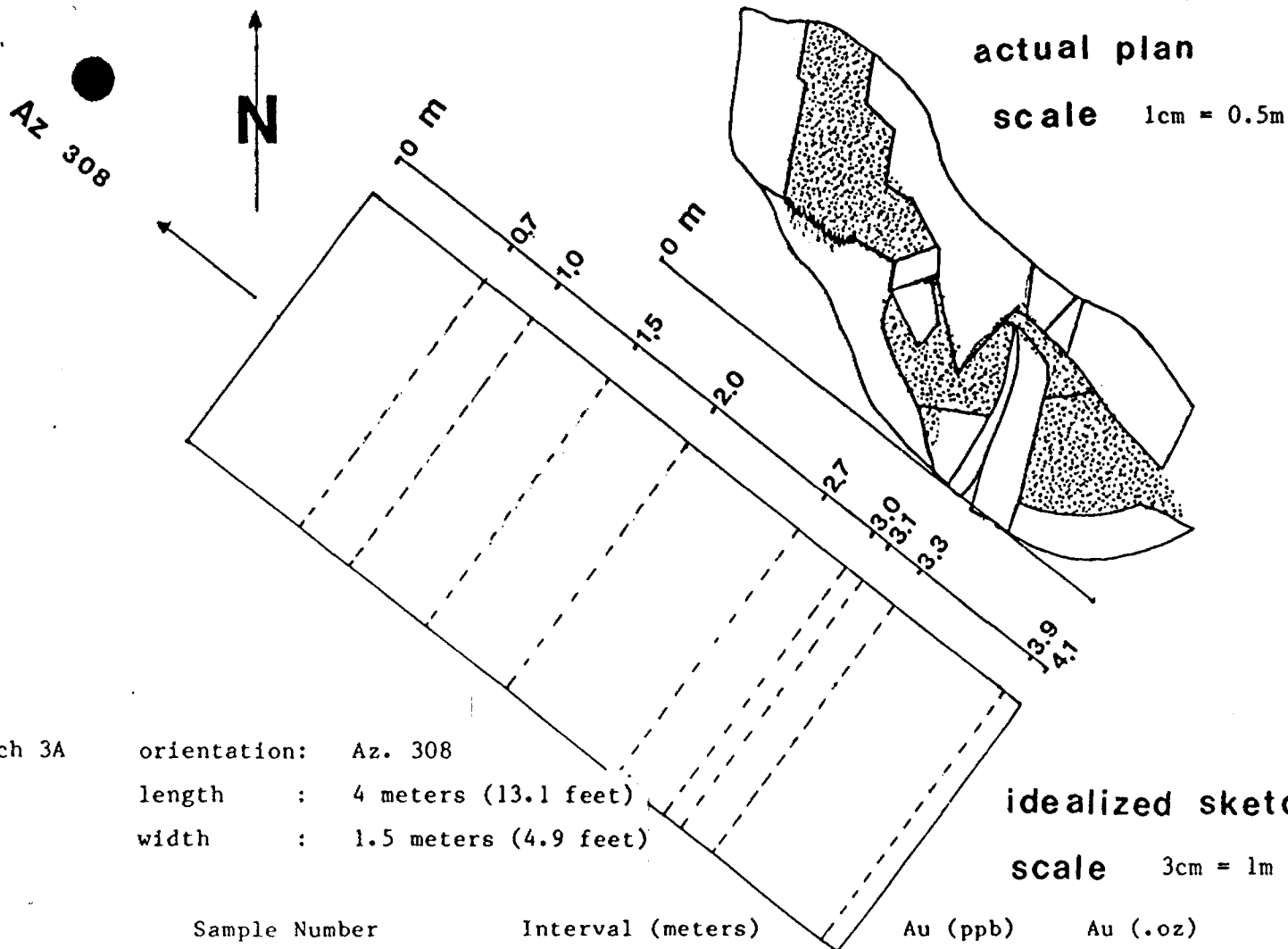
shearing. Joint planes are oriented at 304/69 NE 013/86 NW, and 012/75 SE. Several calcite/carbonate veinlets have intruded along joint planes oriented at 012/75 SE. One particular veinlet is about 6 cm wide.

2.7 - 3.0 Sample 7595. The mafic flow has been intruded by a 6 cm wide white quartz carbonate vein. The vein changes strike across the width of the trench from 073/85 SE to 017/85 SE. The mafic flow along the margins of the contact has been enriched with silica. The shear orientation is 012/89 SE.

3.0 - 3.1 Sample 7596 is a well sheared rock. The shear orientation is 012/88 NW. The rock, believed to be a mafic flow is heavily and pervasively carbonatized. The carbonate is oxidized to a rusty orange brown colour.

3.1 - 3.9 Samples 7597 and 7598 were taken from a silicified breccia zone. The breccia fragments < 2cm in size and white in colour were supported by a black aphanetic matrix. The fragments angular to subangular in shape were composed of quartz and feldspar. The matrix was pervasively carbonatized, well silicified and hematitized. Fine grained pyrite in trace amounts is disseminated throughout the interval. The shear orientation is 008/73 SE. Joint planes are oriented at 324/85 SW and 244/83 NW.

3.9 - 4.1 Sample 7599 was taken from a mafic flow. The mafic flow is dark green to black in colour and very fine grained. The rock is pervasively carbonatized and weakly chloritized. Fine grained pyrite, in trace amounts is disseminated throughout the interval.




Trench 3A

orientation: Az. 308
 length : 4 meters (13.1 feet)
 width : 1.5 meters (4.9 feet)

idealized sketch
 scale 3cm = 1m

Sample Number	Interval (meters)	Au (ppb)	Au (.oz)
7590	0.0 - 0.7	149	
7591	0.7 - 1.0	99	
7592	1.0 - 1.5	74	
7593	1.5 - 2.0	80	
7594	2.0 - 2.7	30	
7595	2.7 - 3.0	41	
7596	3.0 - 3.1		0.090
7597	3.1 - 3.3	104	
7598	3.3 - 3.9	40	
7599	3.9 - 4.1	19	

 Trench floor

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Claim 794544
Trench 3A
August 1985
Scale Actual plan 1cm = 0.5m
 Idealized sketch 3cm = 1m

Site 3 Location: From trench 3A go Az. 038 for 50 m
to trench site.

Description.

Trench 3B orientation: Az. 297
length : 3.5 meters (11.5 feet)
width : 1 meter (3.3 feet)

Sample Number	Interval (meters)	Au (ppb)	Au (.oz)
7600	0.0 - 0.5	22	
8485	0.5 - 1.0	10	
8486	1.0 - 1.35	121	
8487	1.35 - 1.5	78	
8488	1.5 - 2.0	337	
8489	2.0 - 2.25	872	
8490	2.25 - 2.27		0.115
8491	2.27 - 2.35		0.053
8492	2.35 - 2.5	788	
8493	2.5 - 2.7		0.246
8494	2.7 - 3.0	395	

0.0 - 1.35 Samples 7600, 8485 and 8486 were taken from a mafic flow. The mafic flow is dark green in colour, medium to fine grained and altered - silicified, carbonatized along joint planes and weakly chloritized. Hematite occurs in patches along joint planes. Very fine grained pyrite, in trace amounts is disseminated throughout the interval and also occurs as fine stringers. Joint orientations are: 020/57 SE, 168/74 E and 058/83 NW. Shear orientation is 038/82 NW.

1.35 - 2.0 Samples 8487 and 8488. The brecciated mafic flow is dark green

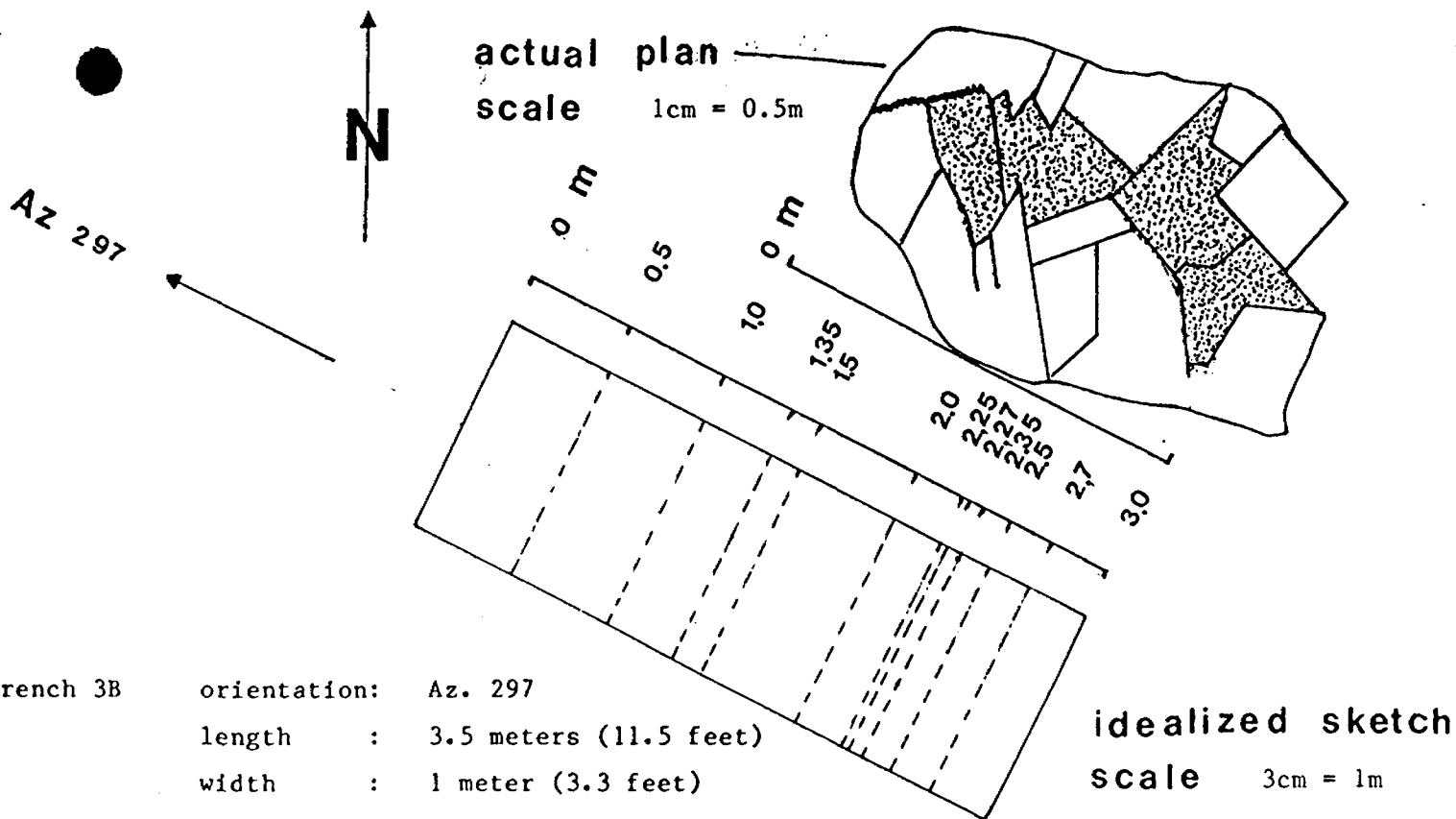
orientation is 038/82 NW.

1.35 - 2.0 Samples 8487 and 8488. The brecciated mafic flow is dark green in colour and moderately to well silicified. The fractures are healed with white quartz; maximum width of the veinlets is < 0.5 cm. Joint surfaces are oxidized to a rusty orange brown.

2.0 - 2.25 Sample 8489 is a brecciated mafic flow. The colour of the flow varies from dark green to dark grey and white. The fractures are healed by a greasy translucent quartz. very fine grained pyrite in trace amounts is disseminated throughout the zone and occurs as fine stringers.

2.25 - 2.27 Sample 8490. The alteration zone varies in thickness from 2 to 8 cm across the width of the trench, from west to east. The zone is an aphanetic highly siliceous rock, light grey in colour. Very fine grained pyrite in amounts $< 1\%$ is found disseminated throughout the interval.

2.27 3.0 Samples 8491 to 8494 were taken from a mafic flow. The flow is black in colour; aphanetic in grain size and moderately silicified. Also, weakly brecciated, the fractures are in-filled with quartz. Fine grained pyrite in amounts $< 1\%$ is found disseminated throughout the interval and occurs as blebs.



Sample Number	Interval (meters)	Au (ppb)	Au (.oz)
7600	0.0 - 0.5	22	
8485	0.5 - 1.0	10	
8486	1.0 - 1.35	121	
8487	1.35 - 1.5	78	
8488	1.5 - 2.0	337	
8489	2.0 - 2.25	872	
8490	2.25 - 2.27		0.115
8491	2.27 - 2.35		0.053
8492	2.35 - 2.5	788	
8493	2.5 - 2.7		0.246
8494	2.7 - 3.0	395	



Trench floor

PROTEUS RESOURCES INC.
JESSIE LAKE

Claim 794544

Trench 3B

September 1985

Scale actual plan 1cm = 0.5m
idealized sketch 3cm = 1m

Site 3 Location: From trench 3B go Az. 038 for 12 m
to trench site.

Description.

Trench 3c orientation: Az 330
length : 1.2 meters (3.9 feet)
width : 0.8 meters (2.6 feet)

Sample Number	Interval (meters)	Au(ppb)	Ag(ppm)
8495	0.0 - 0.1	62	
8496	0.1 - 0.3	314	
8497	0.3 - 0.31	59	2.6
8488	0.31 - 0.45	103	2.8
8499	0.45 - 0.9	411	3.0

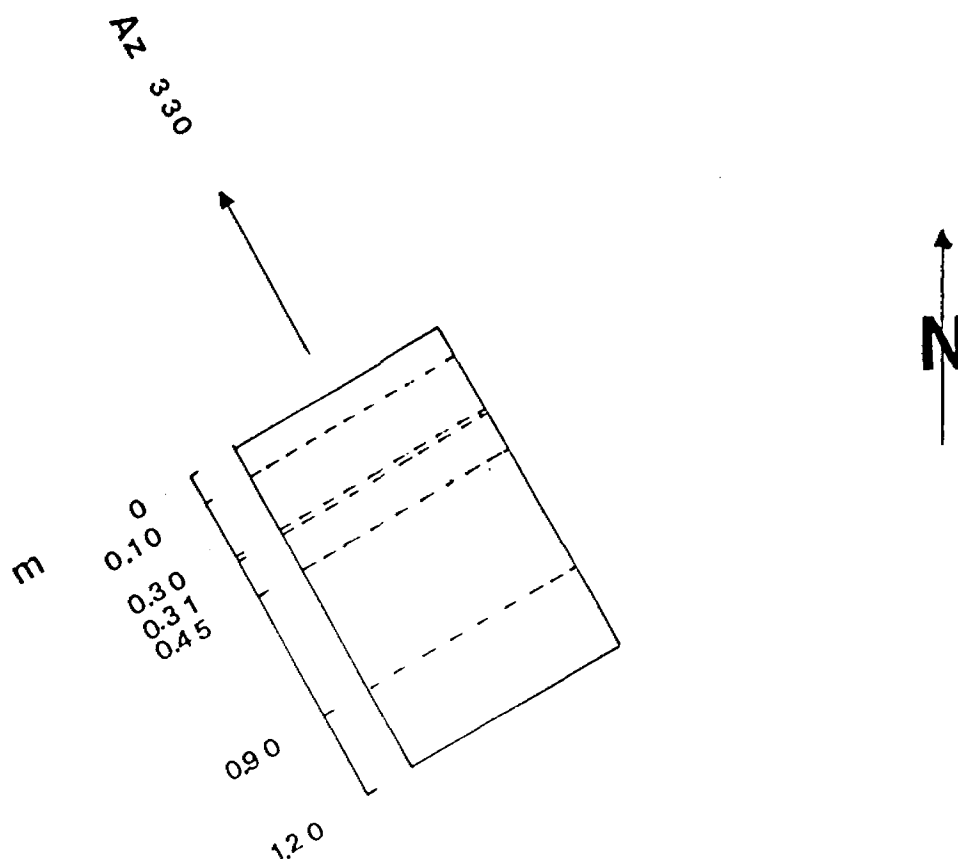
0.0 - 0.3 Samples 8495 and 8496 were taken from a brecciated mafic flow. The dark green to black mafic flow is very fine grained and altered - weakly to moderately carbonatized, moderately chloritized and weakly silicified. Very fine grained pyrite is disseminated throughout the interval. Quartz carbonate veinlets intrude along joint planes. The breccia fragments < 3 mm in size are predominantly felsic in composition and hematized. The angular to subangular fragments are white to pink in colour.

0.3 - 0.31 Sample 8497. A white to pale pink coloured quartz carbonate vein has intruded the previously brecciated and silicified mafic host. Angular xenoliths of mafic flow, 1.5 cm in size are coated with very fine grained pyrite. The mafic xenoliths, as well as the mafic flow contact with the quartz carbonate vein are bleached to a dark grey colour.

0.31 - 0.45 Sample 8498 is a brecciated mafic flow. The dark green mafic

weakly chloritized. Hematite occurs along joint planes. Hairline fractures infilled with white quartz and carbonate interlace the mafic flow. The dark green breccia fragments are < 5 mm in size. Very fine grained pyrite, in trace amounts is disseminated throughout the interval.

0.45 - 0.9 Sample 8499 is a brecciated mafic flow. The angular breccia fragments are < 3 mm in size, vary in colour from dark grey to light grey, and from pale pink to white. The composition of the fragments range from mafic to felsic. Pyrite, in amounts < 1% occurs as wispy, very thin stringers, as fracture in fillings and as very fine disseminated crystals. There is a zone; enriched in pyrite approximately 5 cm wide of the end of the interval. The fine to very fine grained pyrite is disseminated throughout this 5 cm seam and along joint planes.



Trench 3 c orientation: Az 330
 length : 1.2 meters (3.9 feet)
 width : 0.8 meters (2.6 feet)

Sample Number	Interval (meters)	Au(ppb)	Ag(ppm)
8495	0.0 - 0.1	62	
8496	0.1 - 0.3	314	
8497	0.3 - 0.31	59	2.6
8488	0.31 - 0.45	103	2.8
8499	0.45 - 0.9	411	3.0

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Claim 794544
Trench 3C
September 1985
Scale 4cm = 1m

Site 4 Location Claim 794546
 From cp # 1 - 794546 go west
 155 m, then go south 20 m to
 the trench site.

Description.

Trench 4 orientation: Az 352
 length : 7.5 meters (24.6 feet)
 width : 1 meters (3.3 feet)

Sample Number	Interval (meters)	Au (ppb)	Ag (ppm)	Cu (ppm)
8384	0.0 - 1.24	4	3.4	14
8385	1.24 - 2.40	6	2.6	
8386	2.40 - 3.71	14	2.2	
8387	3.71 - 4.27	58	2.4	92
8388	4.27 - 4.64	62	1.2	52
8389	4.64 - 5.10	358	1.6	86
8390	5.10 - 5.78	95	1.2	64
8391	5.78 - 6.40	270	1.0	126
8392	6.40 - 6.95	370	2.0	66
8393	6.95 - 7.50	848	1.8	114

0.0 - 1.24 Sample 8384 is well sheared; the shear orientation is 064/82 SE. The rock is light green in colour, strongly carbonatized and well silicified. Minor hematite staining and trace amounts of fine grained sulphides occur along the shear planes. Randomly oriented, minor quartz carbonate veinlets intrude the rock.

1.24 - 3.71 Samples 8385 and 8386 are sheared and brecciated. The shear orientation is 064/82 SE. Light green angular fragments < 3 mm in size are

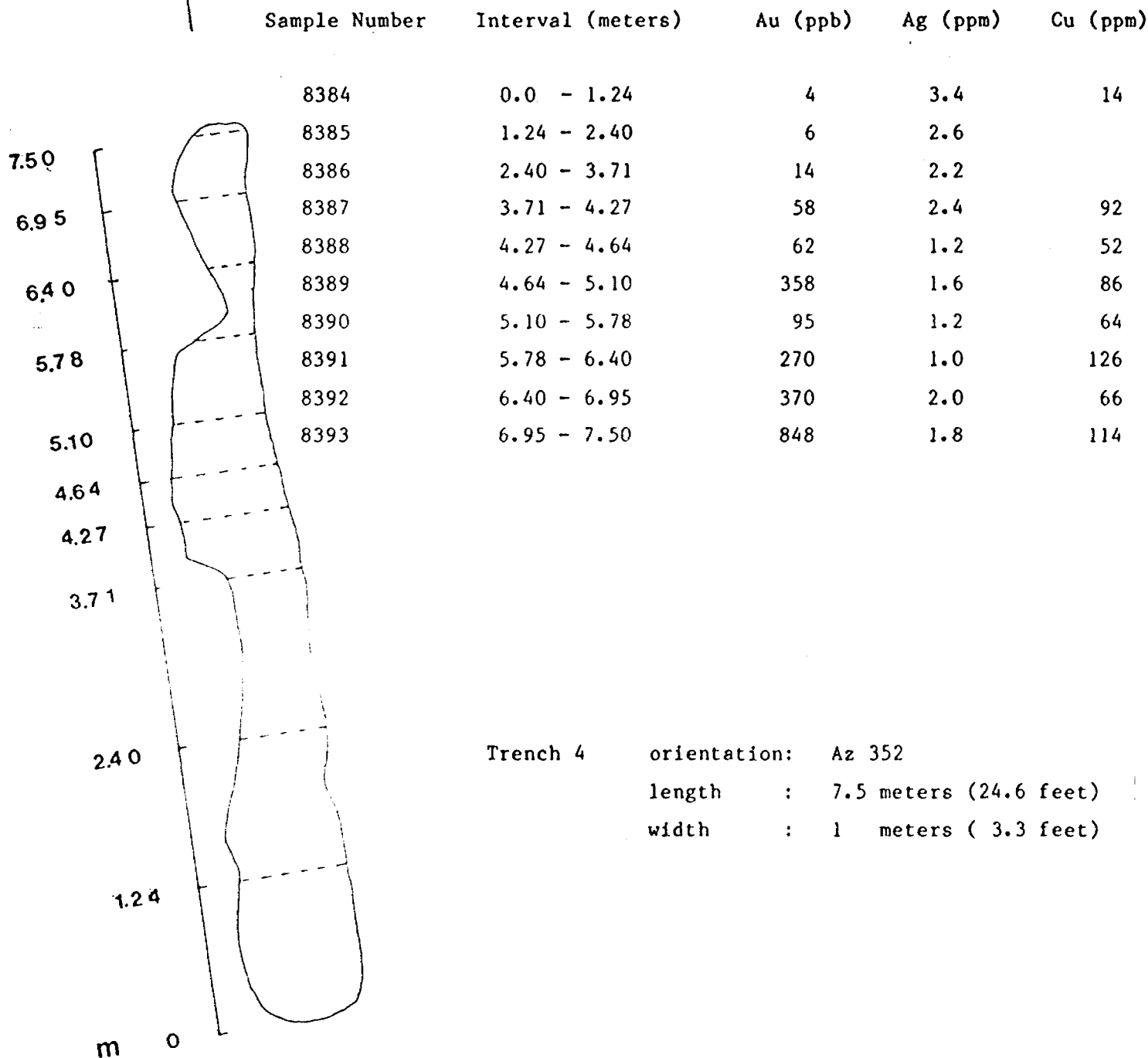
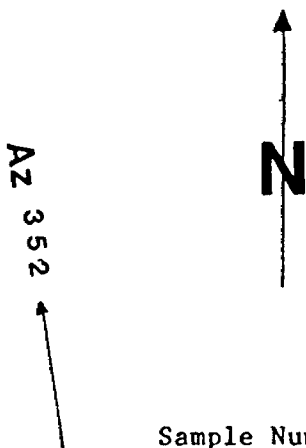
set in a black to dark grey silicified matrix. The degree of hematitization and the amount of sulphides slightly increase from sample 8385 to 8386.

3.71 - 4.64 Samples 8387 and 8388 are heavily altered. At a glance, the rock is light yellow to light green in colour. A closer inspection of the rock reveals extensive and pervasive carbonatization and silicification. Quartz carbonate veinlets < 2 mm in width cut the rock at various attitudes. There is < 1% fine grained sulphides. Hematitization is strong and pervasive.

4.64 - 7.50 Samples 8389 to 8393 consist of heavily altered and brecciated rock. The creamy yellow fragments are angular and < 4 mm in size. They are set in a black to dark grey fine grained matrix which is moderately carbonatized. Most of the rock is heavily silicified. Fine grained sulphides < 1% are disseminated throughout the rock. The rock does not appear to be sheared, but is jointed. The joint planes are oriented at 002/74 SW, 002/54 E and 330/74 SW.

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Claim 794546
Trench 4
August 1985
Scale 1cm = 0.5m



Site 5 Location Claim 745565.
 From cp # 2 - 745565 go west
 105 m, then go north 295 m
 to the trench site.

Description.

Trench 5 orientation: Az 073 (0 - 2m); Az 030 (2 - 4m)
 length : 4 meters (13.1 feet)
 width : 0.5 meters (1.6 feet)

Sample Number	Interval (meters)	Au (ppb)	Ag (ppm)
8394	0.0 - 0.6	56	1.4
8395	0.6 - 1.23	12	1.2
8396	1.23 - 1.90	15	1.0
8397	1.90 - 2.70	12	1.6
8398	2.70 - 3.25	36	1.8
8399	3.25 - 4.00	27	2.0

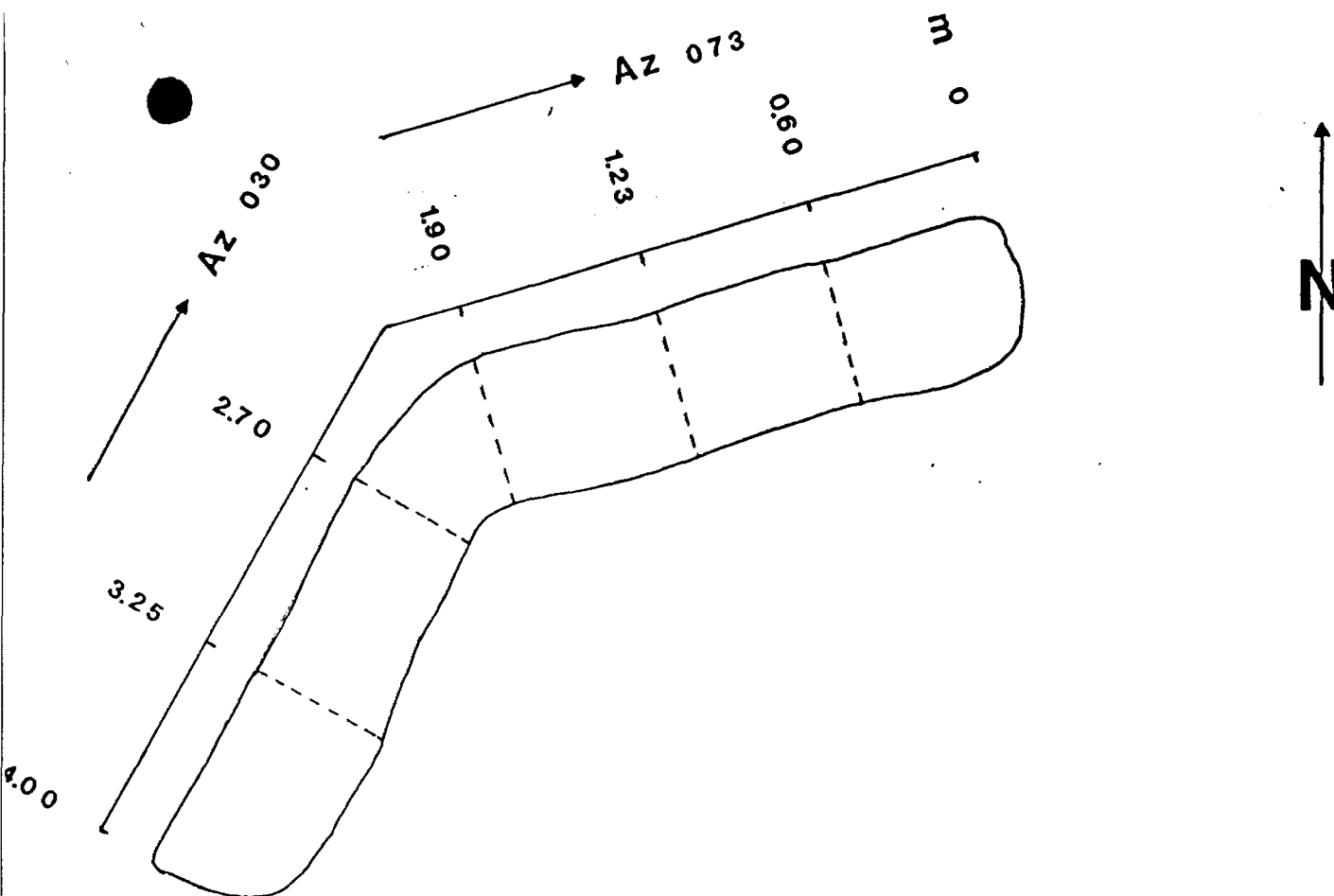
0.0 - 1.90 Samples 8394 to 8396 consist of a very fine grained mafic ash tuff. The rock is light grey in colour and heavily carbonatized along jointed planes. Moderate amounts of hematitization also occur along joint planes. Very fine grained sulphides < 1% are disseminated throughout the rock.

1.90 - 2.70 Samples 8397 is also a light grey, fine grained ash tuff. Bedding planes are observed, with thickness ranging up to a maximum of 2 mm and oriented at 104/80 SW. The rock is slightly more sulphide rich. The sulphides occur as fine grains and as small veinlets < 1 mm thick which adopt various orientations. Carbonatization is moderate and pervasive.

2.70 - 3.25 Sample 8398 is a very fine grained mafic ash tuff which is

slightly darker grey than the previous samples. It is well banded with thickness ranging up to a maximum of 2 mm. The bedding is oriented at 088/90. A moderate shear runs parallel to the bedding plane. Stringers of fine to medium grained sulphides occur along these planes. Sulphides are also found as finely disseminated grains. Hematitization and moderate carbonatization occur along the sheared planes.

3.25 - 4.0 Sample 8399 is very similar to 8398 for the first 25 cm. at which point the rock type switches to a more coarse grained mafic tuff, that is not sheared. The colour is dark green to grey and sulphides are present as fine to medium sized grains and as irregular shaped blebs. The sulphides compose < 1% of the rock.



Trench 5 orientation: Az 073 (0 - 2m); Az 030 (2 - 4m)
 length : 4 meters (13.1 feet)
 width : 0.5 meters (1.6 feet)

Sample Number	Interval (meters)	Au (ppb)	Ag (ppm)
8394	0.0 - 0.6	56	1.4
8395	0.6 - 1.23	12	1.2
8396	1.23 - 1.90	15	1.0
8397	1.90 - 2.70	12	1.6
8398	2.70 - 3.25	36	1.8
8399	3.25 - 4.00	27	2.0

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Claim 745565
 Trench 5
 August 1985
 Scale 1cm = 0.25m

Site 6 Location Claim 794546
From cp # 1 - 794546 go west
135 m, then go south 130 m
to the trench site.

Description.

Trench 6 orientation: Az 036
length : 2.73 meters (9 feet)
width : 0.75 meters (2.5 feet)

Sample Number	Interval (meters)	Au (ppb)	Ag (ppm)	Cu (ppm)
8400	0.0 - 0.47	3	2.4	20
8475	0.47 - 0.90	10	1.4	46
8476	0.90 - 1.27	51	2.6	140
8477	1.27 - 1.59	12	2.4	98
8478	1.59 - 1.91	59	2.8	76
8479	1.91 - 2.20	6	2.8	88
8480	2.20 - 2.73	4	2.4	100

0.0 - 0.47 Sample 8400 consists of mafic tuff with very fine fragments. It is light green grey in colour and is heavily carbonatized. There is a trace of finely disseminated sulphides.

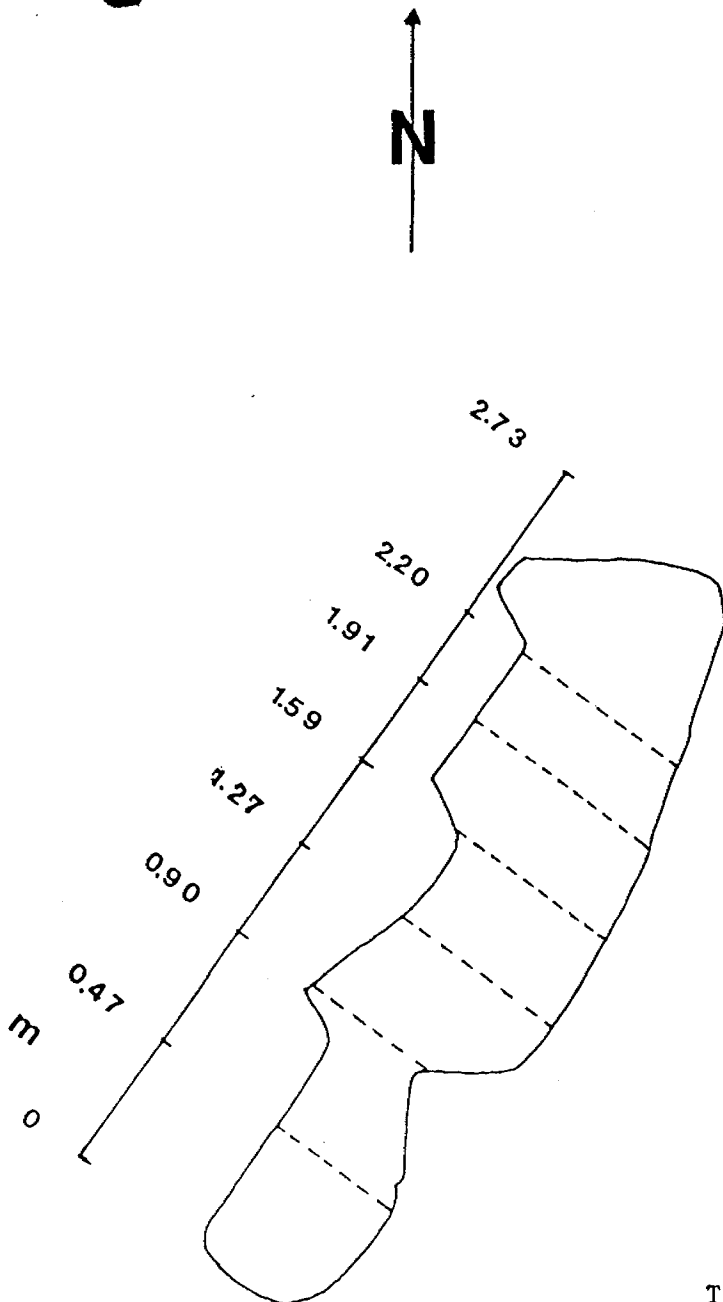
0.47 - 0.90 Sample 8475 is basically similar to 8400 with slightly more sulphides. It is also mildly sheared, at 110/88 NE.

0.9 - 1.27 Sample 8476 contains a white quartz vein which is oriented at 110/90. It is about 17 cm wide and is heavily fractured and carbonatized. Parts of the vein appear to be chlorite rich along with minor iron carbonate. Sulphides occur as medium sized grains and blebs and as fine grained

disseminations. Both pyrite and chalcopyrite are present. Parts of the vein show malachite staining. Further along, the rock returns to mafic tuff with minute quartz stringers.

1.27 - 1.59 Sample 8477 is again mafic tuff with finely disseminated sulphides.

1.59 - 2.73 Samples 8478 to 8480 are all quite similar being mafic tuffs, which are mildly sheared at 150/90. They are mildly to heavily carbonatized and all contain very finely disseminated sulphides.



Sample Number	Interval (meters)	Au (ppb)
8400	0.0 - 0.47	3
8475	0.47 - 0.90	10
8476	0.90 - 1.27	51
8477	1.27 - 1.59	12
8478	1.59 - 1.91	59
8479	1.91 - 2.20	6
8480	2.20 - 2.73	4

Trench 6 orientation: Az 036
length : 2.73 meters (9 feet)
width : 0.75 meters (2.5 feet)

**PROTEUS RESOURCES INC.
JESSIE LAKE**

Claim 794546

Trench 6

September 1985

Scale 1cm = 0.25m

veining. The first generation is white and oriented at 076/75 E. The second generation is black smokey quartz also oriented at 076/75 SE.

1.6 - 1.67 Sample 4508 is an interval of mafic flow. The fresh rock is pale green and medium to fine grained. The interval is moderately silicified and well carbonatized. The weathered surface of the rock is a rusty orange brown oxidation rind. Very fine grained pyrite in trace amounts is disseminated throughout the interval.

1.67 - 2.0 Sample 4509 is an altered mafic flow. The weathered surface is a rusty orange brown oxidized rind. The fresh surface is pale greyish green, bleached, due to the intrusion of yellowish white quartz veins and lenses. The rock is moderately silicified, carbonatized and weakly chloritized. Pyrite in trace amounts occurs as hairline stringers and lenses at the contact between quartz veins/lenses and the mafic flow and as very fine grained disseminated crystals.

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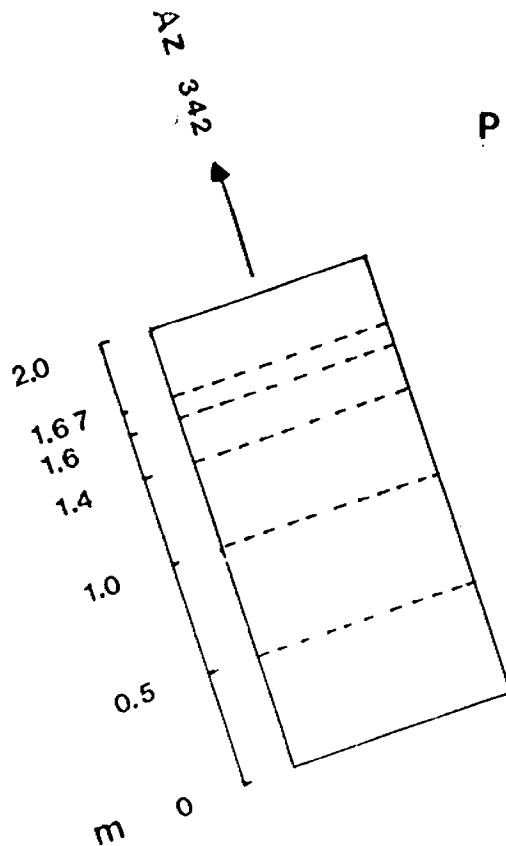
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Claim 794549

Trench 7

September 1985

Scale 3cm = 1m



Trench 7 orientation: Az 342
 length : 2 meters (6.6 feet)
 width : 1 meter (3.3 feet)

Sample Number	Interval (meters)	Au (ppb)
8500	0.0 - 0.5	16
4505	0.5 - 1.0	3
4506	1.0 - 1.4	11
4507	1.4 - 1.6	25
4508	1.6 - 1.67	4
4509	1.67 - 2.0	6

Site 8 Location Claim 794549
 From the mouth of the stream
 go to the western bank, then go
 30 m and then go 30 m
 north to the trench site.

Description.

Trench 8 orientation: Az 063
 length : 1.66 meters (5.4 feet)
 width : 0.5 meters (1.6 feet)

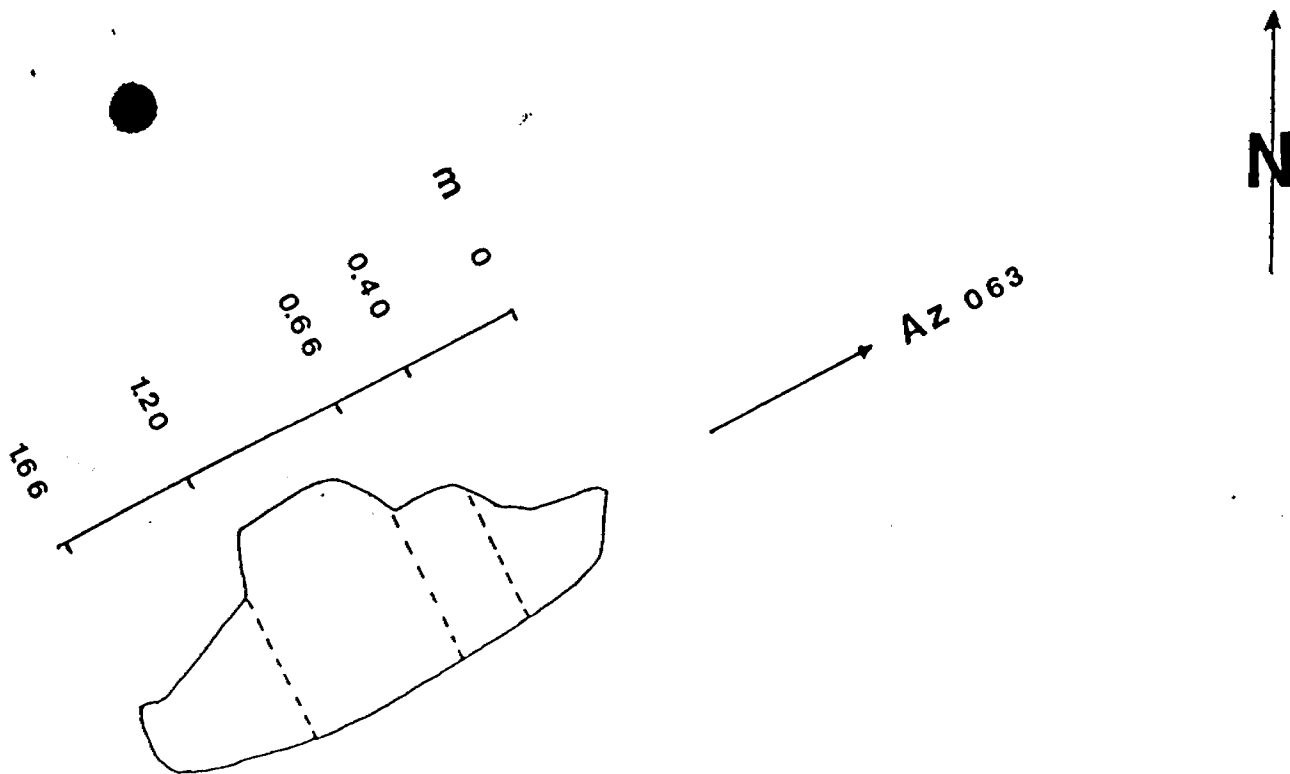
Sample Number	Interval (meters)	Au (ppb)	Ag (ppm)
8481	0.0 - 0.4	3	3.2
8482	0.4 - 0.66	4	0.6
8483	0.66 - 1.20	4	3.0
8484	1.20 - 1.66	56	4.8

0.0 - 0.4 Sample 8481 includes an altered mafic lapilli tuff which is sheared at 150/82 SW. It is a light green with dark green fragmentals elongated in the direction of shearing. It is heavily carbonatized. The rock type changes to a less altered dark grey mafic lapilli tuff at 10 cm with small quartz stringers which parallel the shearing (Some also run oblique to the shearing). This is also heavily carbonatized and contains very fine disseminated sulphides.

0.4 - 0.66 Sample 8422 is very similar to the dark grey mafic rock in 8481. Again, quartz stringers occur in various orientations.

0.66 - 1.20 Sample 8483 remains the same rock type, but is slightly more sulphide rich and has more iron staining throughout.

1.20 - 1.66 Sample 8483 is a very heavily altered and sheared rock. It is an orangey - green colour with dark green fragmentals elongated in the shearing direction. It is heavily carbonatized and silicified and cut by quartz stringers in various orientations. The direction of shearing is 149/90. Fine to medium frained sulphides are found in small amounts. The rock is heavily stained with iron.



Trench 8 orientation: Az 063
 length : 1.66 meters (5.4 feet)
 width : 0.5 meters (1.6 feet)

Sample Number	Interval (meters)	Au (ppb)	Ag (ppm)
8481	0.0 - 0.4	3	3.2
8482	0.4 - 0.66	4	0.6
8483	0.66 - 1.20	4	3.0
8484	1.20 - 1.66	56	4.8

PROTEUS RESOURCES INC.
JESSIE LAKE

Claim 794549

Trench 8

September 1985

Scale 1cm = 0.25m

Table of Lithologic Units, in the Region *

Phanerozoic

 Cenozoic

 Quaternary

 Recent

- swamp and stream deposits

 Pleistocene

- sound gravel boulders clay

 Unconformity

Precambrian

 Proterzoic - mafic intrusive rocks - diabase
 - intrusive contact

 Archean

- late mafic dykes
- intrusive contact
- felsic intrusive rocks
 foliated and massive granodiorite, massive diorite
 contaminated diorite
- intrusive contact
- felsic intrusive rocks
 granodiorite, feldspar porphyry, quartz porphyry
 quartz feldspar porphyry, fine grained granodiorite, oplitic
- intrusive contact
- mafic and ultramafic intrusive rocks
 gabbro, diorite, quartz gabbro, anorthositic gabbro
 pyroxenite, peridotite, orthopyroxenite
- intrusive contact
- metasediments
 volcanic sandstone, volcanic conglomerate, argillite, chert
- felsic to intermediate metavolcanics
 dacite, porphyritic dacite, rhyodacite, tuff-breccia,
 lapilli - tuff, tuff, ignimbrite, spherulitic ash flows
- mafic to intermediate metavolcanics
 andesite, basalt, coarse grained basalt, tuff breccia,
 lapilli tuff, tuff, flow breccia, pillow breccia,
 porphyritic andesite, pillow lava.

* Source : Davies 1976

Regional Geology

The oldest rocks in the region are Archean. The basal portion of the stratigraphy is composed of a series of mafic metavolcanics called the Snake Bay Formation, which are unconformably overlain by a thick sequence of intermediate to felsic metavolcanics and metasediments of the Kakagi Lake Group. The complex was then intruded by 5 differentiated mafic to ultramafic sills.

The stratigraphy was then folded; three major folds were formed, the Emm Bay - Peninsula Bay syncline, the Wapus Lake - Bay Lake anticline and the Caviar Lake - Atom Lake anticline. The folds possess steeply dipping limbs, vertical axial planes, that trend to the east-northeast and hinge zones, that also plunge steeply to the east-northeast. The Emm Bay - Peninsula Bay syncline is the prominent fold in the region. It is an example of both flexural slip from folding. Flexural slip folding occurred as a consequence of shear strain accumulating along the contacts between the mafic volcanics, which behaved as competent units and the intermediate to felsic metavolcanics (Davies 1976). When folding commenced, slippage occurred along these contacts (Davies 1976). Flexural flow folding occurred when compressive strain accumulated within the more competent units, - the differentiated sills (Davies 1976). The compressive strain was released by forming minor flexural flow folds in the less competent units, the intermediate to felsic metavolcanics (Davies 1976).

The sequence was then intruded by a diorite stock in the vicinity of Stephen Lake and by numerous quartz feldspar dykes. The quartz and quartz feldspar apophyses may be related to the Aulneau granitic batholith.

A Middle to Late Precambrian diabase dyke striking NW intrudes the sequence east of Dogpaw and Cedartree Lakes.

A major NW trending fault the Pipestone - Camercon Fault passes through Dogpaw Lake, Flint Lake and the eastern part of Stephen Lake, cutting the entire sequence of folded rocks.

Table of Lithologic Units on Jessie Lake *

Phanerozoic

 Cenozoic

 Quaternary

- Recent - swamp and stream deposits
- Pleistocene - sand, gravel, boulders, clay

 Unconformity

Precambrian

 Archean

- felsic intrusive rocks
 - feldspar porphyry, quartz porphyry, quartz feldspar porphyry
 - fine grained granodiorite, aplite.
- intrusive contact
- mafic and ultramafic intrusive rocks
 - gabbro, diorite, quartz gabbro, anorthositic gabbro,
 - pyroxenite, peridotite, orthopyroxenite.
- intrusive contact
- felsic to intermediate metavolcanics
 - dacite, porphyritic dacite, rhyodcite, tuff breccia,
 - lapilli tuff, tuff, ignimbrite, spherulitic ash flows.
- mafic to intermediate metavolcanics
 - andesite, basalt, coarse grained basalt, tuff breccia,
 - lapilli tuff, tuff, flow breccia, pillow breccia
 - porphyritic andesite pillow lava. Amphibolite.

* Source : Davies 1976

Property Geology

The claim block is situated on the immediate northern flank of the Emm Bay - Peninsula Bay syncline, in the vicinity of Jessie Lake. Property geology is influenced by this major structure.

Lithology

Mafic Metavolcanics

Mafic metavolcanic rocks predominantly flows, with minor interbedded tuffs and lapilli tuffs underlie the property. The mafic metavolcanics, weather to a pale greenish brown colour which details the fine to medium grained ophitic texture. Rusty sulphide nodules essentially pyrite and less than two centimeters in diameter are found widely dispersed in the few units in trace amounts. Mafic exposures lack a penetrative foliation except in areas of localized shear. The localized shears are also zones of alteration; intense and pervasive carbonatization, moderate to weak chloritization and moderate silicification. Very fine to fine grained pyrite in trace amounts is disseminated throughout the zones. Very fine grained magnetite in trace amounts is disseminated throughout the mafic pile.

Pillowed flows are abundant; they can be porphyritic. Chalky white, euhedral to subhedral plagioclase phenocrysts are < 1 cm in size are widely dispersed. Other primary structures are observed, they are scoriaceous flow tops and pillow breccia. Stratigraphic top determinations were made from pillows which have a length to width ratio of 3:2.

Tuff and lapilli tuff has a dark green, fine grained tuffaceous matrix which supports predominantly lapillistone sized fragments and the occasional breccia fragment. The fragments vary in composition from mafic to intermediate and consequently in colour from a dark green to black and a pale green to a buff cream. The larger sized fragments also vary in shape from angular to subrounded. Rare white quartz fragments are observed and are subrounded

Amphibolite is melanocratic and megascopically appears to contain little or no feldspar. The subhedral amphiboles are coarse to medium grained and dark green to black in colour.

INTERMEDIATE METAVOLCANICS

The mafic metavolcanics are overlain unconformably by a sequence of intermediate pyroclastic rocks of the Kakagi Lake Group. The intermediate pyroclastic sequence is relatively underformed and consists of dacitic lapilli-tuff. The stratigraphy of the unit is uniform. The lapillistone tuff is homogeneous, the pale green to buff cream coloured fine grained tuffaceous matrix supports similarly coloured lapilli sized fragments. The fragments vary in shape from subangular to subrounded. Subunits of the fine grained tuff are interbedded with the lapillistone tuff unit.

INTRUSIVES

Mafic and Ultramafic Intrusives.

Mafic and ultramafic rocks occur as (1) irregular podlike intrusions into the mafic pile and as (2) differentiated sills within the intermediate to felsic metavolcanic sequence.

The first type of gabbro intrusive is found in the western portion of the property within claim K794550. The massive medium to coarse grained gabbro has a dark brown to greenish grey weathered surface. The fresh surface is medium to coarse grained with white feldspar and dark green to black amphiboles. The intrusion is irregular in shape and discordant relative to *the local structure.*

The second type of intrusive is found in the eastern portion of the claim group, the panhandle. The first of the five differentiated mafic to ultramafic sills strikes south-south west across the panhandle of the property.

Sill number one is located south of Dogpaw Lake, strikes through Emm Bay and is found south of Peninsula Bay. It varies in thickness from 2,500 feet (760 meters) at the west end of Peninsula Bay to 4,500 feet (1,370 meters) by the Cedartree Lake - Emm Bay portage. (Davies 1976)

The sill is very heterogeneous, because the ultramafic rocks not only occur in a zone at the base of the intrusion but are also found as conformable lenses within the gabbro. The grey to dark grey gabbro is a medium to coarse grained equigranular massive rock. The black to dark brown peridotite is a medium to fine grained equigranular olivine rich rock. Pyroxenite, black to dark brown in colour is a medium to fine grained equigranular pyroxene rich rock.

The carbonatized zone at the base of the ultramafic horizon of the first sill was not found.

Felsic Intrusives.

Dykes of quartz porphyry, feldspar porphyry and quartz feldspar porphyry are found predominantly in the mafic metavolcanic terrain of the property. The observed occurrence of dykes increases east to west across the property. The randomly oriented dykes are vertical, generally 3 meters to 30 meters (10 feet to 100 feet) wide, cross cut the structure and vary in length from several meters to half a kilometer.

The quartz porphyry occurs as transparent angular to subangular quartz phenocrysts < 3 mm in size, set in a pale to white aphanetic matrix consisting of feldspar and quartz. The feldspar porphyry occurs as greenish white

euohedral to subhohedral feldspar phenocrysts < 5 mm in size supported by a pale pink to greenish white aphanetic matrix composed of feldspar and quartz. The quartz feldspar porphyry occurs as transparent angular to subrounded quartz phenocrysts < 3 mm in size, next to chalky white euohedral to subhohedral feldspar phenocrysts < 2 mm in size. The phenocrysts are supported by a greyish white to black aphanetic matrix composed of quartz and feldspar.

Structural Geology.

The property is situated on the northwest limb of the Emm Bay - Peninsula Bay syncline. The limb dips steeply to the southeast. Pillow top determinations substantiate previous observations found in the literature, stratigraphic tops is to the southeast.

There are three major shear orientations found on the property; they are: a west - southwest shear that parallels the stratigraphy in the panhandle of the property, a southeast shear orientation that is oblique to stratigraphy, and a north - south shear cross cutting the stratigraphy.

CONCLUSIONS

There are no trenches and there are no drill sites located on the south shore of Jessie Lake. The O.G.S. preliminary map P.2061 is misleading, by indicating the presence of 4 trenches and 3 DDH sites on the south shore of Jessie Lake. The original plan from which the trench locations and drill sites is obtained is entitled the Williams - Caswell option. In reality the plan is of the Caswell - Williams option. The Caswell - Williams option is located on the south shore of Flint Lake on the north shore of the narrow isthmus separating Flint Lake from Cedartree Lake. An observation which supports this conclusion is found on the original plan. Refer to P.56, a photocopy of the original plans found in the Kenora assessment files. The baseline on this plan is or is presumed to be parallel to the strike of an EM - conductor that is being traced. O.G.S. map 2319 Cedartree Lake depicts an EM- conductor striking E-W on the south shore of Flint Lake. The shoreline in the original plan is very similar to the shoreline of the south shore of Flint Lake. After the successful comparison of the similarity in shorelines, the baseline is parallel to the strike of the EM conductor axis. Consequently, this may be the plan of the Caswell - Williams option located on the south shore of Flint Lake.

Sites 2,3, and 4 are narrow aufiferous structures, and at present traced for short distances along strike.

Recall site 2, a feldspar porphyry dyke is hosted by a mafic breccia tuff. The dyke appears to have intruded along a zone of weakness - a fault zone, oriented at 061/76 SE. An alteration zone approximately one meter wide occurs at the southern contact between the mafic host and the dyke. For the moment , the observed strike length of the zone is approximately 10 meters.

Site 3, is a silicified breccia zone, traced for a strike length of 60 m at Az. 038. Zone width increases to the northeast growing to an observed maximum width of 1.5 m. The exposure abruptly disappears at the lakeshore.

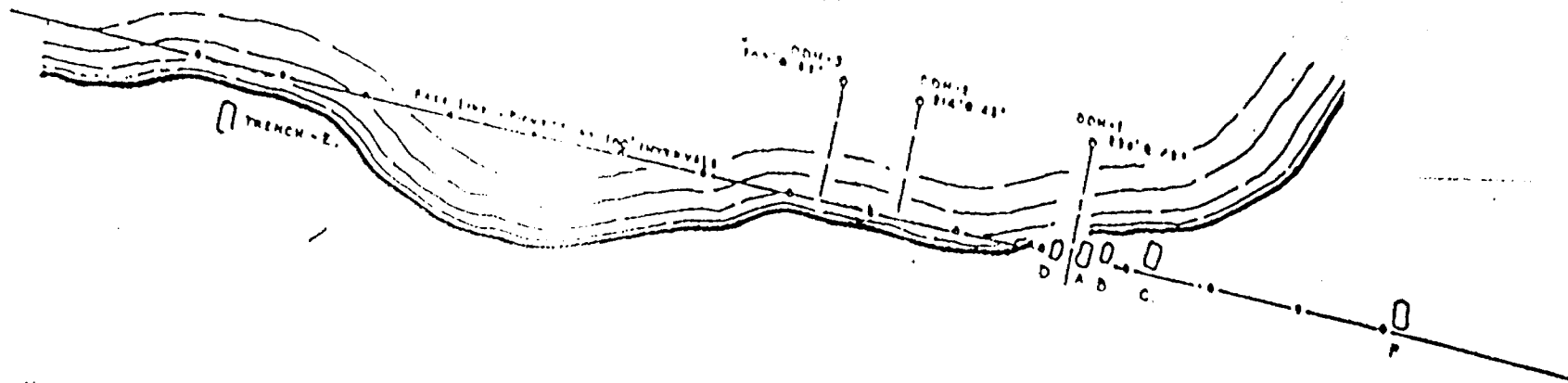
Site 4 is a shear and breccia zone. That may be as wide as 7 meters. Strike length is unknown.

RECOMMENDATIONS

Further overburden stripping and trenching is proposed for sites 2, 3, 4 and possibly site 8.

Grid coverage of sites 2, 3, and 4 is suggested as well as ground geophysics to trace the strike length of the zones.

Diamond drilling is also suggested to test the down dip extensions of these zones.

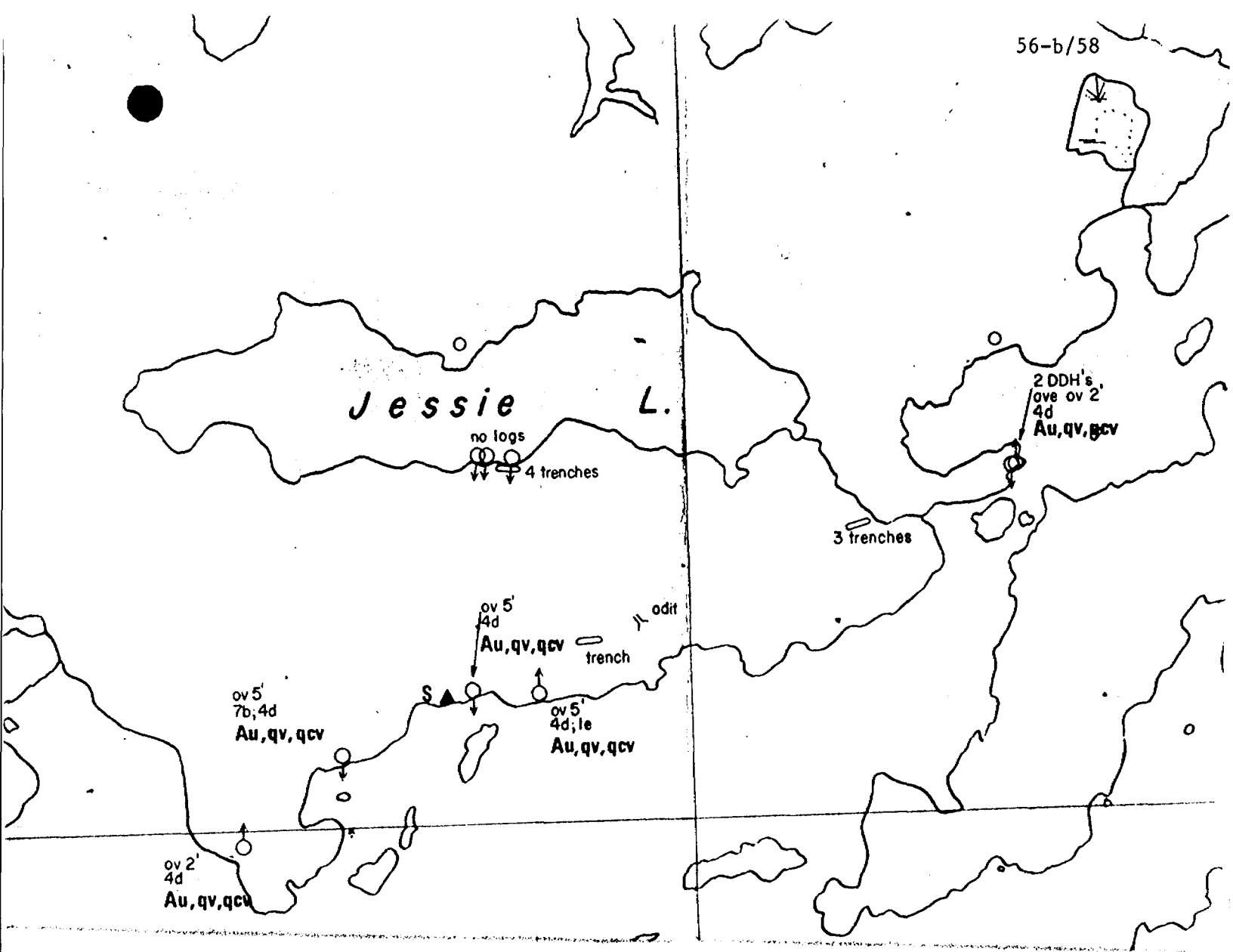


NOTE: THE VALUES (IN OUNCES) SHOWN BELOW WERE FOUND IN THE DRILL HOLES & TRENCHES AS IND. BY O.

DDH-1	DDH-2	DDH-3	TRENCH - E	TR - A	TR - C	TR - D	TR - E	TR - F
10/20	70	0.40	1.00/10	2.00/10	0.40/10	1.20/10	1.00/14	0.40/10
10/25	0.80	0.40	1.00/10	1.00/10	1.40/10	0.40/10	1.20/10	0.40/10
10/30	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
10/35	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
10/40	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
10/45	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
10/50	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
10/55	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
10/60	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
10/65	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
10/70	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
10/75	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
10/80	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
10/85	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
10/90	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
10/95	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
11/00	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
11/05	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
11/10	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
11/15	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
11/20	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
11/25	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
11/30	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
11/35	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
11/40	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
11/45	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
11/50	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
11/55	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
11/60	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
11/65	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
11/70	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
11/75	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
11/80	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
11/85	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
11/90	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
11/95	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10
12/00	0.20	0.20	1.00/10	1.00/10	1.40/10	0.40/10	1.00/10	0.40/10

SYLVANITE GOLD MINES LTD
 EXPLORATION DEPT.
 DRAWING ASSAY PLAN
 LOCATION WILLIAMS-CASWELL PR
 DOGPAW LAKE AREA,
 KENORA DST.
 SCALE 1" = 200'
 DRAWN BY K.O.M.
 REF. NO. 1007 DATE AUG 19, 1928

56/58



South shore of Jessie Lake, misplot of trenches and diamond drill holes.

Source : Rivett and MacTavish 1980.

CERTIFICATE

I, Werner Wirowatz, of the City of Hamilton, in the Province of Ontario, do hereby certify that:

1. I have been employed as a geologist with Proteus Resources Inc., since May 1985.
10 King Street, East,
Suite 1101
Toronto, Ontario.
M5C-1C3
2. I graduated from McMaster University, in May 1978, with a Bachelor of Science degree, in Geology.

I graduated from the University of Waterloo, in May 1982, with a Honours Bachelor Science degree, major Chemistry.
3. I reside at 159 Parkview Dr.,
Hamilton, Ontario.
L8S-3Y4
4. I have been engaged in mineral exploration, since 1977.
5. I have no personal interest, nor do I expect to receive any interest in the property.

Yours sincerely,

W. Wirowatz
Werner Wirowatz

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RIVETT A.S. and MACTAVISH, A.D. 1980

Dogpaw Lake, District of Kenora; Ontario Geological Survey Preliminary
Map P.2061, Kenora Data Series, scale 1:15,840 Data compiled 1979.

Appendix 1**Crew members.**

party chief: W. Wirowatz
assistant : R. Cinitz
assistant : G. Forbes
assistant : R. J. Palkovitz

appendix ii**Claim Numbers**

K745564	K794545
K745565	K794546
K745566	K794547
K794504	K794548
K794505	K794549
K794506	K794550
K794507	K794551
K794543	K794552
K794544	K781538

K842056

Appendix iii

Sample Number	Au (ppb)	Au (oz.)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)	Claim
4505	3								794547
4506	11								"
4507	25								"
4508	4								"
4509	6								"
7401	44							ND	794543
7402	7							ND	"
7403	12							ND	"
7404		0.037						ND	794544
7405	16							ND	"
7406		0.109						ND	"
7407	47							ND	"
7408	11							ND	"
7409	7			540				ND	"
7410	5							ND	"
7411	7			8				ND	"
7412	48			82				ND	"
7413	151							5	"
7414	820							5	"
7415	19							10	"
7416	3							ND	"
7417	4							ND	"
7418	8							ND	"
7419	5							ND	"
7420	12							ND	"
7421	2							ND	"
7422	3							ND	"
7423	5							ND	794545

Sample Number	Au (ppb)	Au (oz.)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)	Claim
7424	36		0.4					25	794545
7425	4		0.2				ND	ND	"
7426	8		1.4					ND	"
7427	7		1.6					ND	"
7428	7		1.6					ND	"
7429	48		2.0					ND	"
7430	4		1.8					ND	"
7431	3		1.4					ND	794544
7432	6		1.0					ND	657651
7433	3							ND	794544
7434	3							ND	794546
7435	6							ND	657651
7436	7							ND	"
7437	75							ND	"
7438	8							ND	794546
7439	6		1.6					ND	"
7440		0.042	1.6					10	"
7441	23		0.2					ND	"
7442	21		0.4					ND	"
7443	10							ND	794545
7444	12							ND	"
7445		0.029	0.8					5	"
7446	478							ND	"
7447	15							ND	"
7448	37							ND	"
7449	59							ND	"
7450	48							5	794544
7451		0.062	1.0					ND	"

Sample Number	Au (ppb)	Au (oz.)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)	Claim
7452	283		0.2						794544
7453	209		0.8						"
7454	55		1.6						"
7455	33		1.6						"
7456	86		1.4						"
7457	177		1.2						"
7458	80							ND	794552
7459	19							ND	"
7460	4							ND	"
7461	8							ND	"
7462	18		0.2					ND	"
7463	30							ND	"
7464	6							ND	"
7465	22							ND	"
7466	96		0.6					ND	"
7467	84							ND	"
7468	4		0.2					ND	"
7469	6		1.0					ND	"
7470	3							ND	"
7471	21		0.4					ND	"
7472	3		ND					ND	"
7473	2							ND	794506
7474	3		ND					ND	"
7475	3		ND					ND	794507
7476	8		1.0					ND	"
7477	7		1.0					ND	"
7478	4		1.2					ND	"
7479	6		1.2					ND	"
7480	17		1.0					ND	"

Sample Number	Au (ppb)	Au (oz.)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)	Claim
7509	41		0.2					ND	794505
7510	10		0.8					ND	745566
7511	85							ND	"
7512	63		0.6					ND	"
7513	7		0.8					ND	"
7514	4		1.4					ND	"
7515	37		0.2					ND	"
7516	103		ND					15	"
7517	34		ND					5	"
7518	10							ND	"
7519	104		ND					75	"
7520	8							ND	"
7521	4		0.6					ND	"
7522	48							ND	5944231
7523	4			540				ND	794547
7524	84							ND	"
7525	7		0.8					ND	"
7526	27		0.2					ND	"
7527	3							ND	"
7528	58			82				ND	794545
7529	34		ND					ND	704672
7530	41		ND					ND	"
7531	4							ND	"
7532	11							10	"
7533	12		0.8					ND	794545
7534	34		0.4					5	"
7535	41							ND	794548
7536	26							ND	704675

Sample Number	Au (ppb)	Au (oz.)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)	Claim
7593	80								794544
7594	30								"
7595	41								"
7596		0.09							"
7597	104								"
7598	40								"
7599	19								"
7600	22								794544
8301	107								794549
8302	7								"
8303	2								"
8304	7								"
8305	2								"
8306	2		ND						"
8307	649		0.2						"
8308	10								"
8309	8								"
8310	10								"
8311	2								"
8312	3								794550
8313	53								794549
8314	19								"
8315	3								795565
8316	14								"
8317	7								"
8318	3								"
8319	2								"
8320	10		ND						"

Sample Number	Au (ppb)	Au (oz.)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)	Claim
8321	5								745565
8322	3		1.6						794505
8323	74		0.6						"
8324	5		0.6						"
8325	14		0.2		42				"
8326	7							ND	745565
8327	6		ND					ND	794505
8328	4								"
8329	27								794552
8330	3							ND	"
8331	52		1.0					ND	745565
8332	12		ND					ND	745564
8333	2								745565
8334	30		ND					ND	745564
8335	38		ND					ND	745566
8336	22		ND					ND	794505
8337	4								745566
8338	22								794504
8339	18							ND	794549
8340	3								"
8341	4							ND	745565
8342	41		ND					ND	"
8343	25		ND					ND	"
8344	11								"
8345	7							ND	"
8346	6		0.2					ND	"
8347	30		ND					ND	745564
8348	325		ND					15	"

Sample Number	Au (ppb)	Au (oz.)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)	Claim
8405	4		ND						794552
8406	8								794506
8407	4								"
8408	8								794507
8409	8								"
8410	5								"
8411	4		ND						"
8412	2								794550
8413	5								"
8414	6		1.0					ND	781538
8415	6		1.0					ND	"
8416	7		1.2					ND	"
8417	6		0.8					ND	"
8418	6		1.0	10				ND	"
8419	4		ND					ND	794547
8420	8		1.0					ND	"
8421	7		ND					ND	794549
8422	4		0.8					ND	"
8423	2		1.0					ND	"
8424	3		0.2					ND	"
8425	110		0.23 03	1960				ND	"
8426	6								745564
8427	4								"
8428	7								794505
8429	17								"
8430	18								745566
8431	8								"
8432	7								"
8433 A	7		1.2	34					794505

Sample Number	Au (ppb)	Au (oz.)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	As (ppm)	Claim
8433 B	8		1.4	48					794505
8434	6								745566
8435	48								"
8436	7								"
8437	96								590359
8438	4								842056
8439	3								"
8440	47								590359
8441	10								842056
8442	4								"
8443	3								794504
8444	4								"
8445	8								794547
8446	7								"
8447	3								"
8448	14								794547
8449	8								794545
8450	8								"
8451	10								"
8452	15								794546
8453	14								794548
8454	2								"
8455	3								"
8456	2								"
8457	8								794547
8458	4								794548
8459	7		0.8						794547
8460	8		1.4			122			"

R.P



52F055W0064 2.8685 DOGPAW LAKE

900

W 85 01 222

The M.

Type of Survey(s) Geology		Township or Area Dogpaw Lake G-2613
Claim Holder(s) Proteus Resources Incorporated		Prospector's Licence No. T-1881
Address 10 King Street East, Suite 1101 Toronto, Ontario M5C 1C3		
Survey Company Proteus Resources Inc.	Date of Survey (from & to) 15 07 85 07 09 85 Day Mo. Yr. Day Mo. Yr.	Total Miles of line Cut
Name and Address of Author (of Geo Technical report) Werner Wirowatz 159 Parkview Dr. Hamilton, Ontario L8S 3Y4		

Credits Requested per Each Claim in Columns at right		
Special Provisions For first survey: Enter 40 days. (This includes line cutting) For each additional survey: using the same grid: Enter 20 days (for each)	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
Geological		
	Geochemical	
Man Days Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
Geological	39	
Geochemical		
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	Days per Claim
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)		
Prefix	Mining Claim Number	Expend. Days Cr.
K	745564	23
	745565	23
	745566	23
	794504	23
	794505	23
	794506	23
	794507	23
	794543	23
	794544	26
	794545	25
	794546	23
	794547	23
	794548	23
	794549	23
	794550	23
	794551	23
	794552	23
	781538	23

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MINING LANDS SECTION
NOV 21 1985
7:88 AM 11:28 AM 4:50 PM

Expenditures (excludes power stripping)

Type of Work Performed
assaying - grab-chip samples

Performed on Claim(s) **K745564 to K745566 incl. (3)**
K794504 to K794507 incl. (4)
K794543 to K794552 incl. (10) K781538 (1)

Calculation of Expenditure Days Credits

Total Expenditures	÷	Total Days Credits	=	
\$ 6,293.50	÷	15	=	419

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

745564

Total number of mining claims covered by this report of work. **18**

officer of Proteus Resources

Date **Nov 15 1985** Recorded Holder or Agent (Signature) *[Signature]*

For Office Use Only

Total Days Credits Recorded **1121** Date Recorded **Nov 21 1985** Mining Reporter *[Signature]*

Date Approved as Recorded **85-12-17** Master Director *[Signature]*

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying
Werner Wirowatz 159 Parkview Dr. Hamilton, Ontario L8S 3Y4

Date Certified **November 15 /85** Certified by (Signature) *W. Wirowatz*

Assessment Work Breakdown

Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey Geology												
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim
100.5		7		703.5				703.5		18		39

Type of Survey												
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim
		7										

Type of Survey												
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim
		7										

Type of Survey												
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim
		7										

Mining Lands Section

File No 28685

Control Sheet

TYPE OF SURVEY _____ GEOPHYSICAL
 ✓ GEOLOGICAL
 _____ GEOCHEMICAL
 ✓ EXPENDITURE

MINING LANDS COMMENTS:

_____ *\$ - OK.*

Ed

J. Hurst

Signature of Assessor

Dec 13/85

Date

PROTEUS RESOURCES INC.

TELEPHONE:
366-8058

Werner Wirowatz
SUITE 1101 - 10 KING STREET EAST
TORONTO, ONTARIO M5C 1C3

November 25, 1985

Mr. R. Pichette
Mining Administrator
Mining Lands Section
Ministry of Natural Resources
99 Wellesley Street West
Whitney Block, Room 6601
Queen's Park
Toronto, Ontario
M7A 1W3

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MINING LANDS SECTION

Dear Mr. Pichette:

Accompanying this letter are two copies of the following report:

Reconnaissance Geology Survey
Jessie Lake

Technical data statements are enclosed with the reports.

Yours sincerely,

W. Wirowatz

W. Wirowatz

WW/ec

Proteus Resources Inc.

Bell White Laboratories invoices

Certificate number	Date	Cheque number	Amount paid
B505-85	08/14/85	98	\$ 724.00
B506-85	08/14/85	98	
B507-85	08/14/85	98	
B517-85	08/19/85	98	\$ 393.00
B518-85	08/19/85	98	
B530-85	08/20/85	109	\$ 160.00
B534-85	08/22/85	109	\$ 230.00
B541-85	08/23/85	109	\$ 726.00
B565-85	09/09/85	137	\$ 871.50
B575-85	09/10/85	143	\$ 539.00
B573-85	09/11/85	137	\$ 759.00
B574-85	09/11/85	137	\$ 396.00
B607-85	09/23/85	156	\$ 329.00
B609-85	09/24/85	156	\$ 1166.00
			<hr/>
		Total:	\$ 6293.50



BELL - WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187 HAILEYBURY, ONTARIO TEL: (705) 672-3107
POJ 1KO

voyager Explorations Limited
Suite 1101
10 King Street East
TORONTO, Ontario
M5C 1C3

INVOICE No 18889

ORDER NO.

DATE August 14, 1985

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
B505-85	Aug. 14/85	RE: <u>Proteus</u> 25 Au @ \$8.50 3 Cu @ \$2.00 2 Ag @ \$1.00 25 sample preparations @ \$2.50	\$ 212.50 6.00 2.00 62.50 <hr/> \$ 283.00
B506-85	"	25 Au @ \$8.50 7 Ag @ \$2.00 1 Pb @ \$1.00 25 sample preparations @ \$2.50	\$ 212.50 14.00 1.00 62.50 <hr/> \$ 290.00
B507-85	"	13 Au @ \$8.50 4 Ag @ \$2.00 13 sample preparations @ \$2.50	\$ 110.50 8.00 32.50 <hr/> \$ 151.00
GRAND TOTAL:			\$ 724.00

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NOV 29 1985

MINING LANDS SECTION

98



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M5C 1C3

INVOICE № 18923

ORDER NO.

DATE August 19, 1985

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
		RE: <u>Proteus Project</u>	
B517-85	Aug. 16/85	32 Au @ \$8.50	\$ 272.00
		19 Ag @ \$2.00	38.00
		32 sample preparations @ \$2.50	80.00
			<u>\$ 390.00</u>
B518-85	"	1 Mo @ \$3.00	\$ 3.00
			<u>\$ 393.00</u>
		GRAND TOTAL:	<u><u>\$ 393.00</u></u>

Approved by
[Signature]

8/19/85



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Suite 1101
10 King Street East
TORONTO, Ontario
M5C 1C3

INVOICE No 18943

ORDER NO.

DATE August 20, 1985

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
B530-85	Aug. 20/85	<p>32 As @ \$5.00 <i>Partea</i> <i>AC</i> <i>A2H</i></p> <p>32 As @ \$5.00</p> <p><i>109</i></p> <p>SEP 10 1985</p>	\$ 160.00



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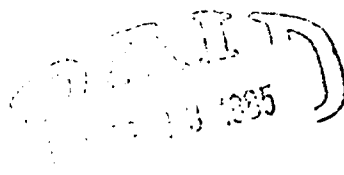
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POJ 1KO

Voyager Exploration Limited
Suite 1101
10 King Street East
TORONTO, Ontario
M5C 1C3

INVOICE No 18955

ORDER NO.

DATE August 22, 1985

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
B534-85	Aug. 22/85	<p>RE: <u>Proteus</u></p> <p>46 As @ \$5.00</p> <p style="text-align: right;"><i>Q & H</i></p> <p style="text-align: center;">  109 </p>	\$ 230.00



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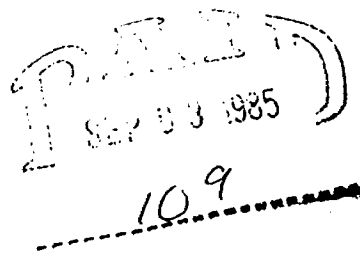
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TORONTO, Ontario
M5C 1C3

INVOICE No 18967

ORDER NO.

DATE August 23, 1985

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
B541-85	Aug. 23/85	<p>RE: <u>Proteus</u> JFH</p> <p>66 Au @ \$8.50</p> <p>66 sample preparations @ \$2.50</p> <p style="text-align: right;">a2h ok</p> <p style="text-align: center;">  </p>	<p>\$ 561.00</p> <p>165.00</p> <hr/> <p>\$ 726.00</p>



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10 King Street East
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INVOICE No 19050

ORDER NO.

DATE September 9, 1985

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
B565-85	Sept. 9/85	RE: <u>Proteus</u> 137 As @ \$5.00	\$ <u>685.00</u>
B566-85	"	87 Ag @ \$2.00 1 Ag @ \$8.50 4 Cu @ \$1.00	\$ 174.00 8.50 4.00 <u>186.50</u>
GRAND TOTAL:			\$ <u><u>871.50</u></u>

PAID
SEP 10 1985
#137



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POJ 1K0

Voyager Explorations Ltd.
Suite 1101
10 King Street East
TORONTO, Ontario
M5C 1C3

INVOICE № 19056

ORDER NO.

DATE September 10, 1985

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
B575-85	Sept. 10/85	<p style="text-align: right;"><i>Handwritten signature</i></p> <p>RE: <u>Proteus</u></p> <p>49 Au @ \$8.50</p> <p>49 sample preparations @ \$2.50</p>	<p>\$ 416.50</p> <p>122.50</p> <hr/> <p>\$ 539.00</p>

PAID
SEP 20 1985
#143



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voyager Exploration Ltd.
Suite 1101
10 King Street East
TORONTO, Ontario
M5C 1C3

INVOICE No 19064

ORDER NO.

DATE September 11, 1985

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
B573-85	Sept. 11/85	RE: <u>Proteus</u> 69 Au @ \$8.50 69 sample preparations @ \$2.50	\$ 586.50 172.50 <hr/> \$ 759.00
B574-85	"	36 Au @ \$8.50 36 sample preparations @ \$2.50	\$ 306.00 90.00 <hr/> \$ 396.00
GRAND TOTAL:			<hr/> \$1,155.00

PAID
SEP 16 1985

4132



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~~Voyager Explorations Ltd.~~,
Suite 1101, 10 King Street East,
Toronto, Ontario.
M5C 1C3

INVOICE No 19140

ORDER NO.

DATE September 23, 1985

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
B607-85	Sept. 23/85	Project: <u>PROTEUS</u> <i>Sessie</i> 66 Ag @ \$2.00 26 Cu @ \$1.00 1 Zn @ \$1.00 68 sample preparations @ \$2.50	\$ 132.00 26.00 1.00 <u>170.00</u> \$ <u>329.00</u>

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PROTEUS

~~Voyager Explorations Ltd.~~,
Suite 1101, 10 King Street East,
Toronto, Ontario.
M5C 1C3

INVOICE № 19146

ORDER NO.

DATE September 24, 1985

CERTIFICATE NO.	DATE	DESCRIPTION	AMOUNT
B609-85	Sept.24/85	Project: <u>PROTEUS</u> 106 Au @ \$8.50 106 sample preparations @ \$2.50	\$ 901.00 265.00 <hr/> \$ 1166.00

PAID
SEP 24 1985
#156

GL GC.

2.8685

745564	✓	✓
65	✓	✓
66	✓	✓
794504	✓	✓
5	✓	✓
6	✓	✓
7	✓	✓
794543	✓	✓
44	✓	✓
45	✓	✓
46	✓	✓
47	✓	✓
48	✓	✓
49	✓	✓
50	✓	✓
51	✓	✓
52	✓	✓
781538	✓	✓

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