

DOUGLAS H. HOPPER
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1123

LOG NO: 1123	RD.
SECTION	
FILE NO:	

ASSESSMENT, PROSPECTING, ROCK SAMPLING REPORT

ON THE

FRED 16, DUP 8, (P-MAC 1-6 not included in this report)

SKEENA MINING DIVISION

130°32' West

56°36' North

Map 104 B 10 E

SUB-RECORDER
RECEIVED
NOV 20 1989
M.R. # \$
VANCOUVER, B.C.

This report is written for:

PAUL DUPRAS
3849 Thurston Street
Burnaby, B. C.
V5H 1H9

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,547

Prepared by:

DOUGLAS H. HOPPER
Provincial Institute of Mining
Haileybury, Ontario

November 7, 1989

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MAPS

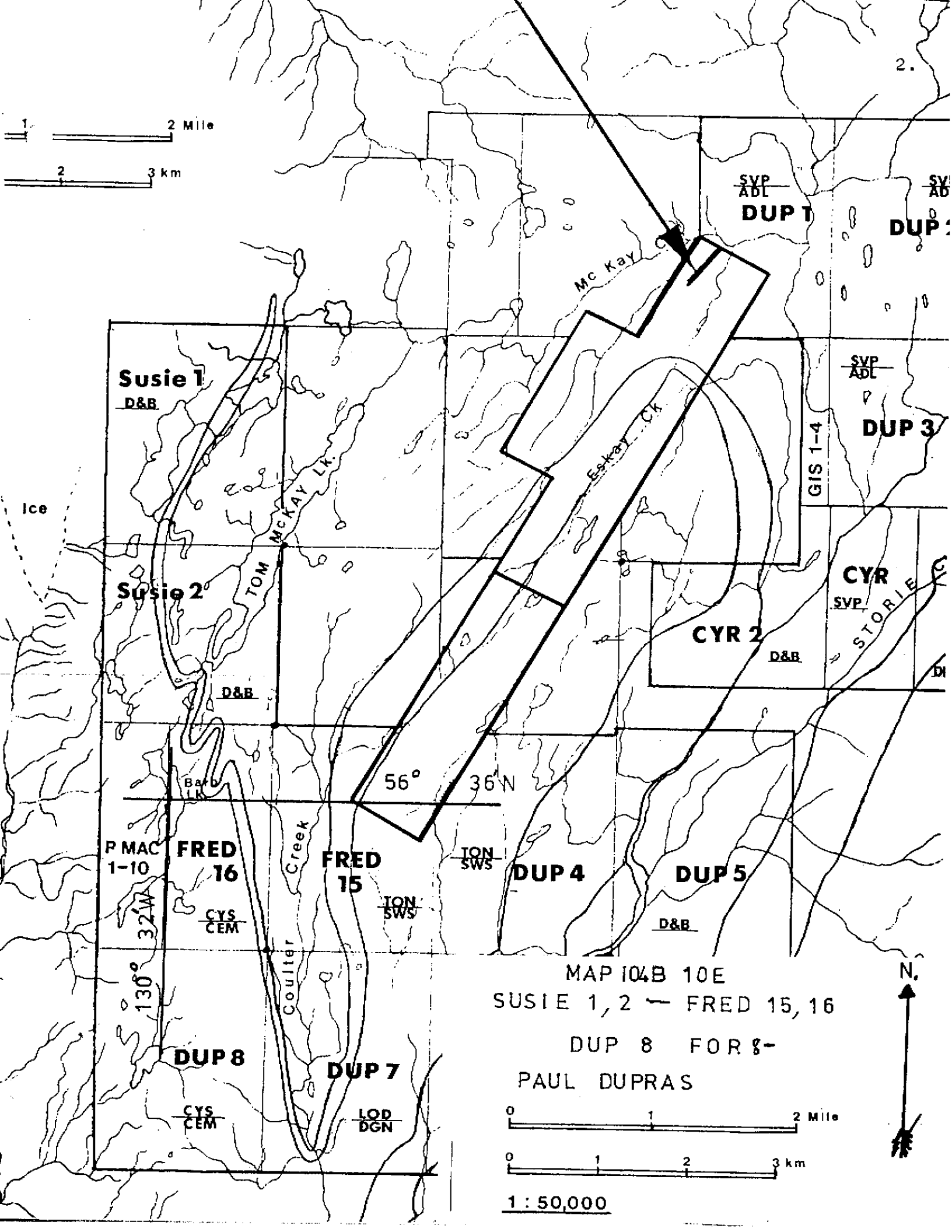
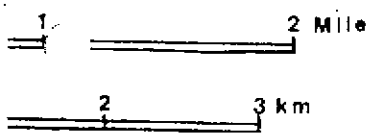
1 Rock Sample Location & Geological Location Map (Scale 1 - 200)	(at back of report)
1 Zinc Geochem Map (Scale 1 - 200)	(at back of report)
1 Copper & Silver Geochem Map (Scale 1 - 200)	(at back of report)
1 Lead Geochem Map (Scale 1 - 200)	(at back of report)

(1) CLAIM DATA:

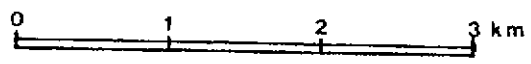
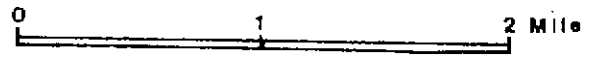
<u>Claim</u>	<u>Record No.</u>	<u>Units</u>	<u>Expiry Date</u>
SUSIE #1	7265	20	February 25, 1990
Originally SUSIE #2	7266	16	February 25, 1990
(Has been re-staked, no abandonment noted)			
New re-staking is as below:			
SUSIE #2	Tag #108794	16	Recorded Sep. 23, 1989
Originally DUP 8	6948	20	November 13, 1989
Now DUP 8	8032	20	September 24, 1989
<u>NOTE:</u> FRED 15 & 16 staked once and abandoned twice and re-staked as shown below:			
Originally FRED 15	6965	20	November 13, 1989
Re-staked FRED 15	8089	20	Sub Recorder received October 18, 1989
Originally FRED 16	6966	20	November 13, 1989
Re-staked FRED 16	8090	15	Sub Recorder received October 18, 1989

Work filed (FRED GROUP) N/G #82, Document #287, Sept. 11, 1989.

Access to the property is by helicopter with a 206 (make of helicopter) thirty-five to forty minutes flying time, north of Stewart, depending on the weather from Stewart, B.C. to the Barb Lake mining property.



MAP 104B 10E
 SUSIE 1, 2 — FRED 15, 16
 DUP 8 FOR 8-
 PAUL DUPRAS



1 : 50,000



(3) ZONES 1 - 4 - BARB LAKE:Zone 1:

Zone 1 is trending at 210° dipping almost vertical and dipping 45° to the west in the canyon (brook flowing SW from P-MAC Lake). The rock units seen there are argillites, limestones, sandstones, all having quartz veining throughout. Some chalcedony was observed near the brook outlet with 5 - 7 bands showing. To the East, pyrite becomes more abundant, changing to hematite further East with translucent quartz (chalcedony).

More of this zone was seen on the West side of Barb Lake in a gully hole.

Zone 2:

Zone #2 trending NE, is a volcanic breccia, quartz re-brecciated, some tuffs with abundant pyrite. One carbonate zone 1 - 2 M. that trends with the unit, is latticed with numerous quartz veins throughout.

Zone 3:

Zone #3 is what is believed to be siliceous andesite or possibly a quartz feldspar porphyry; quartz eyes, weak pyrite, trace of galena, spotted near Barb Lake, spots of hematite in vugs. This siliceous andesite (?) is also associated with andesite and a quartz tuff unit with more pyrite.

Zone #4:

This zone trending in a North and South direction, is a quartz breccia - (re-brecciated) minor pyrite, very siliceous, very sharp quartz veining on the weathered surface, color - buff or tan. This quartz is also associated with a

carbonate zone with quartz-carbonate veins throughout and a volcanic tuff with varying amounts of pyrite, 5 - 25%. To the East of this zone, argillite lies in contact with lots of folding and bending and again with numerous quartz stringers.

(4) ZINC GEOCHEM ANOMALIES:

There are zinc anomalies over Zone 1; Zone 2 (further West); partially over Zone 3; and follows Zone 4 up on the ridge.

There is another zone just East of the base line, South of Foot Lake to the line 10+00S.

(5) LEAD GEOCHEM ANOMALIES:

There are lead anomalies over Zone 1; partially over Zone 2 (further to the West 200 M.); follows Zone 3 from 4+00S to 9+00S, a new zone South of Foot Lake to the line 10+00S.

Zone 4 is partially covered by the lead anomaly up on the ridge.

(6) COPPER & SILVER GEOCHEM:

In all the geochem. samples taken, were a few samples with some low silver values on the line 1+50W (3+00S to 1+00S). This may have same trend as one rock sample taken by Richard Cyr. #28756 was anomalous in gold and silver.

The copper anomaly 40+ ppm seems to follow the trend of Zone 1 and perfectly for Zones 3 and 4.

(7) ROCK & SOIL PROCEDURES FOR SAMPLING:

The soil samples were all taken with a mattock to the depth of the "B" Horizon where possible. The 217 soil samples were then put in kraft paper bags, marked as to the grid location, taken back to camp, strung on hay-wire, then dried in preparation for shipment to the laboratory. The lines were all flagged and chained, and compassed for accuracy.

The 65 rock samples were taken and placed in plastic bags, labelled as for assaying directions.

Later, a brief rock description was made from field notes, numbered as per assay number and a co-ordinate. Where possible, a strike and dip was recorded.

(8) AREAS FOR FURTHER PROSPECTING:

- (1) On FRED 16, 700 meters East of Post #3W, there is a large zone of quartz with intense quartz veining.
- (2) On P-MAC 6 and 5 and the start of P-MAC 7 and 8, Post, 60 meters East lies a large siliceous zone, rusty appearance, similar to the Zone #3 material.
- (3) Some material, translucent quartz and hematite, similar to the Zone #1, was found West of the South end of Barb Lake, in a gully that parallels the West side of the lake.

(9) FIELD EXPENSES - BARB LAKE:

August 16 - 31, 1989

Richard St. Cyr - prospector's assistant	\$ 2,608.00
Mike Harris - prospector	2,832.00
Doug Hopper - prospector	4,272.00

Assaying	8,018.65
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Food & Groceries	2,800.00
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Camp supplies	\$ 24.06	
	121.16	
	<u>227.68</u>	372.90

Ray Harris, P.Eng. visit to the property	1,000.00
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Helicopter - Barb Lake - $\frac{10,470}{2}$	5,235.00
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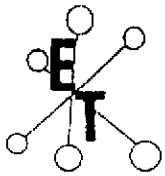
Hotel in Stewart and Meals	2,600.00
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TOTAL	<u>\$29,738.55</u>
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Of the above total, 65% to be applied to the property for assessment	<u><u>\$19,330.06</u></u>
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NOTE:

Mobilization and demobilization costs, geophysical work and reports, lumber costs, this report drafting, writing and blueprints, etc., have not been included.



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7.

[14]

GEOCHEMICAL LABORATORY METHODS

SAMPLE PREPARATION (STANDARD)

1. Soil or Sediment: Samples are dried and then sieved through 80 mesh nylon sieves.
2. Rock, Core: Samples dried (if necessary), crushed, riffled to pulp size and pulverized to approximately -140 mesh.

METHODS OF ANALYSIS

All methods have either known or in-house standards carried through entire procedure to ensure validity of results.

1. Multi-Element Cd, Cr, Co, Cu, Fe (acid soluble),
Pb, Mn, Ni, Ag, Zn, Mo

Digestion

Hot aqua-regia

Finish

Atomic Absorption, background correction applied where appropriate

A) Multi-Element ICP

Digestion

Hot aqua-regia

Finish

ICP

2. Antimony

Digestion

Hot aqua regia

Finish

Hydride generation - A.A.S.

3. Arsenic

Digestion

Hot aqua regia

Finish

Hydride generation - A.A.S.

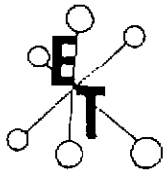
4. Barium

Digestion

Lithium Metaborate Fusion

Finish

Atomic Absorption



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5. Beryllium

Digestion

Hot aqua regia

Finish

Atomic Absorption

6. Bismuth

Digestion

Hot aqua regia

Finish

Atomic Absorption

7. Chromium

Digestion

Sodium Peroxide Fusion

Finish

Atomic Absorption

8. Fluorine

Digestion

Lithium Metaborate Fusion

Finish

Ion Selective Electrode

9. Mercury

Digestion

Hot aqua regia

Finish

Cold vapor generation -
A.A.S.

10. Phosphorus

Digestion

Lithium Metaborate Fusion

Finish

I.C.P. finish

11. Selenium

Digestion

Hot aqua regia

Finish

Hydride generation - A.A.S.

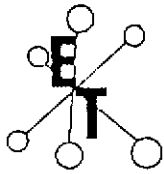
12. Tellurium

Digestion

Hot aqua regia
Potassium Bisulphate Fusion

Finish

Hydride generation - A.A.S.
Colorimetric or I.C.P.



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13. Tin

Digestion

Ammonium Iodide Fusion

Finish

Hydride generation - A.A.S.

14. Tungsten

Digestion

Potassium Bisulphate Fusion

Finish

Colorimetric or I.C.P.

15. Gold

Digestion

Fire Assay Preconcentration
followed by Aqua Regia

Finish

Atomic Absorption

16. Platinum, Palladium, Rhodium

Digestion

Fire Assay Preconcentration
followed by Aqua Regia

Finish

Graphite Furnace - A.A.S.

17. Uranium

Digestion

Hot HCl

Finish

Fluorometric

18. Thorium

Digestion

Hot Aqua Regia

Finish

I C P

JJ3/1

CERTIFICATE OF QUALIFICATIONS

DOUGLAS HAROLD HOPPER

Training:

1962-1964) Haileybury Mining Institute,
1965-1966) Haileybury, Ontario

Completing the Mining Courses as a Mining Engineering Technologist

Since finishing the courses there, I have worked as a Junior Engineer or Field Geologist for various mining companies in Canada, Mexico and Nicaragua.

DATED at Vancouver, British Columbia this 7th day of November, 1989.


DOUGLAS HAROLD HOPPER

(12) BARB LAKE - August 27, 1989

28753 2N - 9+50E Quartz Vein

East down in the gully, NE of Camp

28754 2N - 9+50E Quartz Vein

28755 - 3+00S - 3+90W

Tuffs with quartz and calcite grab

28756 - 4+50S - 2W (near the creek)

Tuffs with massive quartz veins

28751 - Quartz Vein - Sample 11+10S 2+50W

28752 - 10+60S 5+20W 0.6 M. wide

Quartz Vein in argillite

(12) BARB LAKE PROJECT

- 071625 - 50S - 50W - Siliceous andesite. Trace of pyrite - manganese stain. Grab over 0.3 meters. Very erratic mineralization.
- 071626 - 50S - 40W - Siliceous andesite - epidote and chlorite alteration. Manganese stain - minor quartz stringers to $\frac{1}{8}$ ". Some grey, soft sulphide.
- 071627 - 40S - 40W - Rusty andesite tuffs - some pyrite spots - chlorite and epidote alteration - strong fracturing.
- This zone (above) may trend N & S.
- 071628 - BL - 4+11S in creek quartz carbonate zone, cross cutting the argillite there. Grab samples. Some pyrite in cubes and spots.
- 071629 - BL - 4+14S - Siliceous andesite - some pyrite - chlorite and epidote. The zone appears to be laying on top of the argillite which strikes at 280° , dip 70° N.
- 071630 - 6+50S - 50W - Large quartz chert, fragmental - minor quartz stringers and pyrite specks - hematite spots.
- 071631 - 6+70S - 40W - Same as 071630.
- 071632 - 6+80S - 40W - Same as 071631 but more quartz and hematite.
- 071630-32 are in a faulted gully trending 194° .

FRED 16

- 071633 - BL - 4+11S - argillite with quartz and carbonate - some pyrite.
- 071634 - BL - 4+11S - Same as 666.

August 21, 1989

- 071635 - 11+00S - 0+50E - Rusty volcanics - tuffs - some pyrite. Trend is 200° Az - Dip Vert.
- 071636 - (N of 12S - 6+50E - 100 m.) 10-20% pyrite - trace of copper in silicified tuffs - some with dark banded matrix.
- 071637 - Same area as 636 quartz BCCA zone - 3 M. wide - trace of copper 5 - 10% - pyrite in spots. Strike N & S - Dip ?

August 22, 1989

- 071638 - 2+25S - 2+45E - Diorite rock - pyrite and calcite fracture filling - talus sample.
- 071639 & 640 - 1+50S - 2+45E - Diorite with pyrite patches.

August 23, 1989

- 071641 - 1+50S - 0+15E - Argillite and other grey sediment - some quartz - very rusty over 2.6 M. - trend 210° , Dip V. Contorted selvages or sedimentary planes.
- 071642 - BL - 60S - Over 1.6 M. - very siliceous andesite ? mineralization stain - trace of pyrite.
- 071643 - 60S - 3W - Hematite in fractures - Red-Brown spots - one speck of Pb - chert ?
- 071644 - 55S - 5W - Andesite Mn. stain - Grab.
- 071645 - 55S - 8W - Tuffs - Fine pyrite - hematite clots - siliceous section - near contact of the siliceous andesite zone. Grab.
- 071646 - 50S - 3W - Extra siliceous zone - manganese stain - Red to brown stain $\frac{1}{4}$ - 1" quartz veining, cross cutting the structure at 320° - Dip - N at 45° over 2.0 M.
- 071647 - 50S (5W - 7.6W) - Extra siliceous zone - Mn. stain - reddish stain over 2.6 M.

August 24, 1989

- 071648 - S+50S - 0+50W - Quartz with grey sulphide patches next to the tuff and andesite over 0.6 M.
- 071649 - Fragmental quartz with grey sulphide spots - over 0.3 M. Green-black streak - 6+50S 0+50
- 071650 - Quartz with grey S and pyrite clots - red stain in vugs - 6+50S - 0+50W.
- 071650 - Quartz with grey S and pyrite clots - red stain in vugs - 6+50S - 50W.

- 28701 - 6+50S - 0+50W - Quartz with rusty shear Over 0.33 M.
- 28702 - 6+50S - 0+50W - Tuffs large frags - chalcedonic flooding and quartz - epidote and chlorite.
- 28703 - 700S - 1+75W - Black chert tuffs - some pyrite and quartz veins - over 1.3 M.
- 28704 - Gully trending 140° South end of lake, south of camp. Siliceous tuff with 10% pyrite - 4+70W - 10+50S.

August 25, 1989

- 28705 - BL - 00 - SE end of Barb Lake - Now Base Line E side - 1.6 M. of rusty volcanics contact with the diorite, some pyrite.
- 28706 - 4E - 3N in E-W gully - blue tuffs - 5 - 10% pyrite - Grab over 0.6 M.
- 28707 - 3E - 3N - Similar to 706 but 5 - 15% pyrite - some minor quartz veining in the blue tuffs.
- 28708 - 3E - 5N - Sample of Siliceous tuffs, blue to white color - quartz carbonate veinlets - 5 - 10% pyrite in patches over 2 M.
- 28709 - 90 M. N of 28708 - same material in the talus - grab over 6 M. of talus.

August 26, 1989

- 28710 - 70S - 3+15E - Tuffs - quartz - quartz veins - very rough, sharp surface - trace of pyrite - over 2.0 M. - trending N & S.
- 28711 - 275S - 275E - Blue tuffs - 5% pyrite - next to the quartz tuffs, which is part of the structure.

August 29, 1989

- 28712 - 7+75S - 300W - Quartz carbonate stringers and Veins to $\frac{1}{4}$ - 3" - some frags in the veins - trace of pyrite over 2.6 M. contact with sediment.

August 31, 1989

- 28713 - 40' down from #669 - Quartz BCCA Cal. and quartz - trace of Cp and Pb seen in the sample grab over 1M.

September 1, 1989

- 28714 - 1+25W 0+15S - Rusty tuffs - some black material strike 190° - Dip E - 5-10% Pyrite spots disseminated over 1 M.
- 28715 - 1+25W - 5+500S - Near Lake - Grab of carbonate and quartz stringers - chal. ? - with pyrite and chlorite in the siliceous tuffs.
- 28716 - 2+75W 4+75S - Siliceous tuff - trace of Cp 5-10% disseminated and in blobs.

September 2, 1989

- 28717 - 9S - 7+25W (EOL) - Brecciated quartz and carbonate stringers - trace of pyrite - strike of argillite here - 210° - Dip V - 9S - 7+50W - 210° S - Dip 45° W.

September 3, 1989

- 28718 - 3+00S 0+50W - Siliceous andesite, minor pyrite spots - red-brown, rusty spots - Grab over 1.0 M. Epidote to chlorite alteration.
- 28719 - Siliceous andesite, minor pyrite specks and epidote - rusty red specks over .6" 3+00S - 0+50W.

September 7, 1989

- 28723 - 3+50S 0+25W - Siliceous andesite with pyrite grab.
- 28724 - 3+50S 0+25W - Grab - Siliceous andesite quartz with trace of pyrite.
- 28725 - BL - N50S - Andesite porphyrite with occasional quartz vein $\frac{1}{4}$ " grab.

September 8, 1989

- 28726 - 4S - 0+50W - Siliceous andesite - blue sheen - minor pyrite over 3.3 M.
- 28727 - 2+25S - 3+00E at 220° for 300' - siliceous fragmental tuffs. Some pyrite - abundant hematite - some chlorite - numerous other quartz veins intruding and brecciated.
- 28728 - 3+00W 6+70S - black tuffs - fine pyrite over 1.6 M. near the brook.
- 28729 - 3+00W - 7+75S 10 - 20% pyrite in blue siliceous tuffs, over 0.6 M. grab - some quartz veining (East of sample 28712).

- 28730 - 9+00S - 6+15W - strike 210° - Dip 80° W over 1.0 M. - Siliceous blue tuffs - some pyrite - black, soft mineral and quartz veins.
- 28731 - 9+75S 6+00W 1-2" quartz veins float (translucent quartz) lots of hematite.
- 28732 - Numerous translucent quartz stringers - 30% hematite. some pyrite in the tuffs over 1.6 M. 8+90S - 6+10W.
- 28733 - 6+50W 8+50S - Same as 28732 only Veins, pyrite patches and more quartz.
- 28734 - South of Reck P-MAC Lake $1\frac{1}{2}$ k. 74° from NE. End of the DUP Lake for 300 M.
- 28735 - Same Lake as 28734, only 50 M. West of 290° , N end of the DUP Lake.
- 28736 - 9+00S 1+25W - Siliceous andesite - red spots - trace of pyrite (continuation of the Barb Lake rock (quartz) structure).

September 16, 1989

- 28737 - FRED 16, Post 3W+160 M. west - grey volcanics with with sulphides - grab.
- 28738 - 600 M. SE of DUP Lake (Lake S of P-MAC Lake). Siliceous green andesite rock epidotized grab.
- 28739 - 130 M. west of DUP #7 LCP, then 50 M. South. Variety of rock float
- 28737-39 - All off the map.

BARB LAKEAugust 20, 1989

- 28651 - is a representative sample over 7' length, light grey, breccia like rock taken at 45 m. \pm , 290^o, and 35^o from L-5
- 28652 - is a representative sample over 4' length, grey/brown rock, ? - black mineral taken at 47.6 m., 251^o, +20^o from P.3.
- 28651-653 - 50 M. W of S end of Barb Lake

August 21, 1989

- 28654 - is over 2' length, dark grey (blue argillite), quartz strings, some pyrite. 300E - 300S (S of Line 2+25S)
- 28655 - is over 2½' length, grey blue/rusty, some pyrite at 57.8 M., mark along creek at 155^o mark (rock type on both sides of creek), sample on W bank 9+50S 10+00S
- 28656 - over 2' length, grey/black, quartz strings, some pyrite (same rock on both sides of creek). Sample taken at 64 m./ 155^o on E bank of creek. 9+50E 10+00E.
- 28657 - taken over 9' length cubed/fine pyrite/rusty-light gray rock 69.5 M., 0^o, 0^o from +00S 6+00E.
- 28658 - taken over 6' length, quartz stringers in host rock laying flat; at about 10+50S 7+00E (?) - 75^o from yellow/rusty zone E side Coulter Creek Valley.

August 22, 1989

- 28659 - over 5' length at 125S 2+34E fine/medium grain, rusty grey, some pyrite.
- 28660 - over 5' length at 1+23S 2+45E, fine/medium grain, rusty grey, some pyrite.
- 28661 - over 3' length at 1+25S 2+70E, some pyrite, black mineral, light grey/green rock.
- 28662 - over 6" length, grab in place, some pyrite, black mineral, 10 M. S of 28661
- 28663 - over 3' length, quartz in host rock, pyrite and other, 40 M \pm S of 28662.
- 28664 - over 6" length, 135^o from 28663 (25M+) (225S 2+50E to 664 is 20M \pm , 28^o. Some pyrite, ? calcite.
- 28665 - over 3' length rusty, fine large grain, light/dark grey, pyrite, quartz, S of 664 along face.
- 28666 - is float sample, rusty, pyrite, light grey rock at 3+00S, 3+25E (Grid #2)

BARB LAKEAugust 23, 1989

- 28667 - is over 4" length, rusty/brown/quartz stringers, 30m+
from creek North (going out of lake) 6+85S 140W
- 28668 - is over 3' length, quartz stringers/ grey host rock,
some pyrite, possible Zn, 92m, 220° from creek mouth.
7+00S + 1+60W
- 28669 - is over 3' length, quartz stringers, rusty, some pyrite
in creek, 7+00S, 1+60W
- 28670 - is over 3½' length, quartz stringers/light grey host
rock, some pyrite, ? Zn, light grey stain, on E bank,
10 m, 294° to 28671 7+40S
- 28671 - is over 6" length, quartz stringers, some pyrite, rusty
2+70W
- 28672 - is over 3' length, quartz stringers/argillite. Man.
stain, breccia 7+20S 2+00W
- 28673 - is over 3' length, hematite, quartz stringers, some
pyrite, ? Zn, from 5+20S 1+90W
- 28674 - is over 2' length, same as 28673, light/dark grey,
argillite from 5+25S 1+90W
- 28675 - is over 1' length, quartz breccia, argillite, chalcedony,
some pyrite 5+25S 1+90W
- 28676 - grey tuff over 2' length x 2' h, grey sulphide (?),
pyrite (10%) 5+25S - 1+90W

August 24, 1989

- 28677 - over 1½' length x 3" W in creek bank, light/dark grey
breccia, some pyrite 6+75S 2+40W
- 28678 - over 6' length, quartz stringers/dark host rock (argil-
lite), rusty 2+50W 7+50S
- 28679 - is quartz stringers, some pyrite float South - off map.
- 28680 - over 3½' h., some pyrite, ? Man. stain, rusty, light
grey-fine grained, 700 m. S (?) of 28670.
SW of P-MAC Lake

BARB LAKEAugust 25, 1989

- 28681 - over 3' length, some pyrite, fine grained, dark grey, ? Man. stain, 10 m. 317° from BL 1+50E. East of Barb Lake
- 28682 - over 5' length, some pyrite, rusty, light/dark grey, ? man. stain, volcanic 35m. 97° from Pt.A 4+00N - 500E.
- 28683 - over 6' length, some pyrite, light grey, rusty, 150+m, 205° to Pt. C
N of 28682 - near Claim line Tom McKay Lake.

August 26, 1989

- 28684 - over 5' length, some pyrite, light grey/rusty, fine-medium grain, some quartz at 3+50E, 5+00S
- 28685 - over 3' length x 3' height rusty, heavy pyrite (in places), breccia, on E side of 2nd knob. 6+90S 6+00E.

September 1, 1989

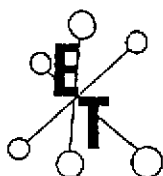
- 28686 - over 4' length, some pyrite, rusty, light grey/blue, strike 20° - 1+70W 0+25S
- 28687 - over 4' length x 2' height, rusty, quartz type rock, strike 27° West of Barb Lake
- 28688 - over 4' length, rusty, breccia/tuff, iron stain, west of Barb Lake
- 28689 - is a representative sample over 3' length, pyrite, some quartz, dark rock
- 28690 - is over 6' length White quartz type rock, rusty, 10 m. from Pt.2 at (at 16°)
- 28691 - is over 3' length white quartz type rock, rusty, 15 m. from Pt. 2 (at 16°)
- 28692 - is over 6' length, white quartz type rock, rusty, some pyrite, 18 m. from Pt 2 Lat 16°
- 28693 - is float sample, pyrite, rusty, stained at 86.4 m. from Pt. 1 - Pt. 2
- 28694 - over 2' length, rusty, tuff, quartz stringers, pyrite, Cu (near 3S 4W (Rich's line))

28689-94 - all west of Barb Lake

BARB LAKESeptember 21, 1989

- 28695 - over 6' length in creek, quartz stringers/dark host rock, some pyrite; 18.4 m. at 144° to 9S7 + 7+75W
- 28696 - over 1' height x 3" width, quartz stringers/ dark host rock, some pyrite; 7.8 m. 68° from 28695 L9+00S 7+82W
- 28699 - over 1' length, quartz stringers/ grey tuff/breccia, some pyrite, 1+25W 5+25S on P-MAC 5+25S 1+25W
- 28700 - over 2' length on shore, quartz stringers/fine-medium grain, grey/some pyrite - on P-MAC 5+25S 1+25W
- 28757 - over 3' length, heavy pyrite, rusty, light grey/blue, fine-grained
- 28758 - over 1' length, rusty, pyrite, light breccia tuff
- 28759 - over 6" length ? float, heavy pyrite, dark grey-green, coarse-grained
- 28760 - over 2' length, pyrite, quartz, fine-grain black sulphide, light-grey rock at mouth of creek coming out of P-MAC Lake
- 28761 - over 1' length, heavy rust, fine-grain/breccia-like
- 28762 - over 1' length, fine-grain, light grey, some pyrite

} P-MAC
lakeshore
west shore



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21.

SEPTEMBER 5, 1989

CERTIFICATE OF ANALYSIS ETS 89-9170

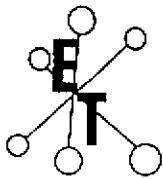
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DUCHAN ENTERPRISES
3849 THURSTON ST.
BURNABY, B.C.
V5H 1H9

SAMPLE IDENTIFICATION: B1 SOIL samples received August 25, 1989

PROJECT: BARB LAKE (WEST OF P-MAC L.)
P.O. # SIL PRINCESS

ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
9170 - 1	L 6 + 00 S 1 + 50 W	<5	<.1	36	17	105
9170 - 2	L 5 + 50 S 1 + 50 W	<5	<.1	27	5	55
9170 - 3	L 5 + 00 S 1 + 50 W	<5	<.1	54	12	85
9170 - 4	L 4 + 50 S 1 + 50 W	<5	<.1	64	12	135
9170 - 5	L 4 + 00 S 1 + 50 W	<5	<.1	32	5	110
9170 - 6	L 3 + 75 S 1 + 50 W	<5	.4	83	5	82
9170 - 7	L 3 + 50 S 1 + 50 W	<5	<.1	33	10	141
9170 - 8	L 3 + 25 S 1 + 50 W	<5	<.1	27	6	236
9170 - 9	L 3 + 00 S 1 + 50 W	<5	<.1	17	11	83
9170 - 10	L 2 + 75 S 1 + 50 W	<5	.1	51	22	162
9170 - 11	L 2 + 50 S 1 + 50 W	<5	4.8	28	15	106
9170 - 12	L 2 + 25 S 1 + 50 W	<5	1.0	41	7	229
9170 - 13	L 2 + 00 S 1 + 50 W	<5	.4	25	18	156
9170 - 14	L 1 + 75 S 1 + 50 W	<5	.6	33	7	190
9170 - 15	L 1 + 50 S 1 + 50 W	<5	2.4	53	12	229
9170 - 16	L 1 + 25 S 1 + 50 W	<5	.5	15	2	56
9170 - 17	L 1 + 00 S 1 + 50 W	<5	1.0	36	18	177
9170 - 18	L 0 + 75 S 1 + 50 W	<5	<.1	42	13	121
9170 - 19	L 0 + 50 S 1 + 50 W	<5	<.1	39	14	112
9170 - 20	L 0 + 25 S 1 + 50 W	<5	.1	34	8	66
9170 - 21	L 0 + 25 S 1 + 00 W	<5	<.1	18	11	42
9170 - 22	L 0 + 25 S 0 + 50 W	<5	<.1	28	13	88
9170 - 23	L 1 + 00 S 0 + 25 E	<5	<.1	16	15	64
9170 - 24	L 1 + 00 S 0 + 50 E	<5	<.1	68	14	138
9170 - 25	L 1 + 00 S 0 + 75 E	<5	<.1	16	6	43
9170 - 26	L 1 + 00 S 1 + 00 E	<5	<.1	29	12	61
9170 - 27	L 1 + 00 S 1 + 25 E	<5	<.1	20	8	46
9170 - 28	L 1 + 00 S 1 + 50 E	<5	<.1	27	11	87
9170 - 29	L 1 + 25 S 1 + 50 E	<5	<.1	25	18	57
9170 - 30	L 1 + 25 S 1 + 75 E	<5	<.1	41	23	104



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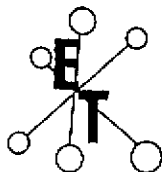
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22.

DUCHAN ENTERPRISES

SEPTEMBER 5, 1989

ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
9170 - 31	L 1 + 25 S 2 + 00 E	<5	<.1	53	40	108
9170 - 32	L 1 + 25 S 2 + 45 E	<5	<.1	158	87	338
9170 - 33	L 1 + 50 S 2 + 45 E	<5	<.1	59	32	113
9170 - 34	L 2 + 25 S 2 + 45 E	<5	<.1	102	37	153
9170 - 35	L 3 + 00 S 2 + 75 E	<5	<.1	41	15	78
9170 - 36	L 3 + 25 S 3 + 00 E	<5	<.1	33	22	104
9170 - 37	L 11 + 50 S 1 + 00 E	<5	<.1	17	18	64
9170 - 38	L 12 + 00 S 1 + 00 E	<5	<.1	31	13	79
9170 - 39	L 12 + 00 S 1 + 50 E	<5	<.1	12	20	72
9170 - 40	L 12 + 00 S 2 + 00 E	<5	<.1	31	14	137
9170 - 41	L 12 + 00 S 2 + 50 E	<5	<.1	71	12	158
9170 - 42	L 12 + 00 S 3 + 00 E	<5	<.1	24	8	71
9170 - 43	L 12 + 00 S 3 + 50 E	<5	<.1	34	9	74
9170 - 44	L 12 + 00 S 4 + 00 E	<5	<.1	29	10	33
9170 - 45	L 12 + 00 S 4 + 50 E	<5	<.1	13	2	24
9170 - 46	L 12 + 00 S 5 + 00 E	<5	<.1	20	15	58
9170 - 47	L 11 + 50 S 5 + 00 E	<5	<.1	28	13	126
9170 - 48	L 12 + 00 S 5 + 50 E	<5	<.1	18	12	59
9170 - 49	L 12 + 00 S 6 + 00 E	<5	<.1	26	11	50
9170 - 50	L 12 + 00 S 6 + 50 E	<5	<.1	9	7	38
9170 - 51	BL 2 + 50 S #1 ?	<5	<.1	42	12	104
9170 - 52	L 6 + 50 S 0 + 50 W	<5	<.1	28	11	85
9170 - 53	BL 11 + 50 S	<5	<.1	31	12	69
9170 - 54	BL 11 + 00 S	<5	<.1	13	5	41
9170 - 55	BL 10 + 50 S	<5	<.1	20	9	41
9170 - 56	BL 10 + 00 S	<5	<.1	25	7	52
9170 - 57	BL 9 + 50 S	<5	<.1	14	10	42
9170 - 58	BL 9 + 00 S	<5	<.1	20	4	38
9170 - 59	BL 8 + 50 S	<5	<.1	21	15	56
9170 - 60	BL 8 + 00 S	<5	<.1	18	15	53
9170 - 61	BL 7 + 50 S	<5	<.1	16	9	39
9170 - 62	BL 7 + 00 S	<5	<.1	24	16	96
9170 - 63	BL 6 + 50 S	75	<.1	12	11	37
9170 - 64	BL 6 + 00 S	<5	<.1	20	5	63
9170 - 65	BL 5 + 50 S	<5	<.1	13	3	42
9170 - 66	BL 5 + 00 S	<5	<.1	12	5	38
9170 - 67	BL 4 + 50 S	<5	<.1	25	11	73
9170 - 68	BL 4 + 00 S	<5	<.1	45	22	77
9170 - 69	BL 0 + 0 S	<5	<.1	19	12	96
9170 - 70	BL 2 + 65 S	<5	<.1	44	11	89
9170 - 71	BL 2 + 00 S	<5	<.1	22	7	42
9170 - 72	BL 3 + 50 S	<5	<.1	12	10	34
9170 - 73	BL 3 + 00 S	<5	<.1	11	12	57
9170 - 74	BL 2 + 50 S #2	<5	<.1	43	13	127
9170 - 75	BL 1 + 50 S	<5	<.1	24	9	94

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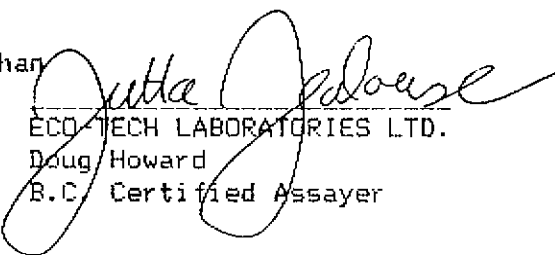
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

DUCHAN ENTERPRISES

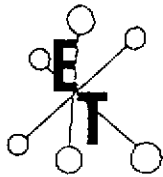
SEPTEMBER 5, 1989

ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
9170 - 76	BL 1 + 00 S	<5	<.1	14	12	55
9170 - 77	BL 0 + 75 S	<5	<.1	19	9	42
9170 - 78	BL 0 + 50 S	<5	<.1	33	14	95
9170 - 79	BL 0 + 25 S	<5	<.1	31	10	92
9170 - 80	BL 3 + 40 S	<5	<.1	43	8	105
9170 - 81	28670 7+40S 2+70w	<5	3.3	267	17	206

NOTE: < = less than


ECO-TECH LABORATORIES LTD.
Doug Howard
B.C. Certified Assayer

cc: P. DUPRAS
BOX 265
STEWART, B.C.
V0T 1W0
SC89/MIS1



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SEPTEMBER 5, 1989

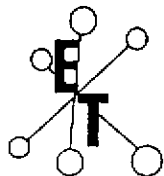
CERTIFICATE OF ANALYSIS ETS 89-9175

DUCHAN ENTERPRISES
 384 THURSTON STREET
 BURNABY, B.C.
 V5H 1H9

NE. OF BARD L.

SAMPLE IDENTIFICATION: 56 SOIL samples received August 28, 1989

ET#	Description	AU (ppb)	AG (ppm)	CU (ppm)	PB (ppm)	ZN (ppm)
9175 - 1	28704 A	<5	<.1	27	14	96
9175 - 2	28705 B	<5	<.1	28	13	109
9175 - 3	BL 0 + 0 A	<5	<.1	11	<2	53
9175 - 4	BL 0 + 0	<5	<.1	41	18	97
9175 - 5	BL 1 + 50	<5	<.1	41	20	100
9175 - 6	BL 2 + 00	<5	<.1	42	27	103
9175 - 7	BL 2 + 50	<5	<.1	30	12	89
9175 - 8	BL 3 + 00	<5	<.1	30	15	84
9175 - 9	BL 3 + 50	<5	<.1	22	9	65
9175 - 10	BL 4 + 00 E	<5	<.1	46	20	59
9175 - 11	L 4 + 00 E 0 + 50 N	<5	<.1	28	18	52
9175 - 12	L 4 + 00 E 1 + 00 N	<5	<.1	19	11	44
9175 - 13	L 4 + 00 E 1 + 50 N	<5	<.1	18	23	53
9175 - 14	L 4 + 00 E 1 + 85 N	<5	<.1	52	14	153
9175 - 15	L 4 + 00 E 2 + 00 N	<5	<.1	38	11	70
9175 - 16	L 2 + 00 N 4 + 50 E	<5	<.1	43	12	118
9175 - 17	L 2 + 00 N 5 + 00 E	<5	<.1	43	11	112
9175 - 18	L 2 + 00 N 5 + 50 E	<5	<.1	23	6	61
9175 - 19	L 2 + 00 N 6 + 00 E	<5	<.1	24	7	59
9175 - 20	L 2 + 00 N 6 + 50 E	<5	<.1	23	9	83
9175 - 21	L 2 + 00 N 7 + 00 E	<5	<.1	17	10	51
9175 - 22	L 2 + 00 N 7 + 50 E	<5	<.1	17	7	46
9175 - 23	L 2 + 00 N 8 + 00 E	<5	<.1	33	7	110
9175 - 24	L 2 + 00 N 8 + 50 E	<5	<.1	23	10	58
9175 - 25	L 2 + 00 N 9 + 00 E	<5	<.1	41	9	98
9175 - 26	L 4 + 00 S 0 + 75 W	<5	<.1	109	4	64
9175 - 27	L 6 + 00 S 0 + 50 W	<5	<.1	15	7	45
9175 - 28	L 6 + 00 S 0 + 83 W	<5	<.1	17	14	50
9175 - 29	L 10 + 00 S 1 + 00 W	<5	<.1	17	18	86
9175 - 30	L 11 + 00 S 1 + 50 W	<5	<.1	35	21	173

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ASSAYING - ENVIRONMENTAL TESTING

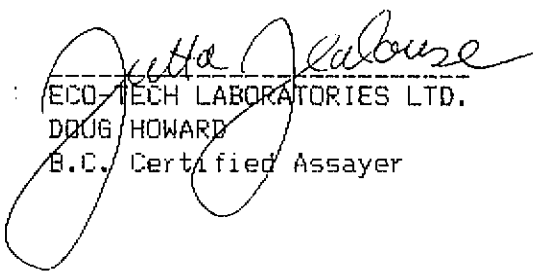
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DUCHAN ENTERPRISES

SEPTEMBER 5, 1989

ET#	Description	AU (ppb)	AG (ppm)	CU (ppm)	PB (ppm)	ZN (ppm)
9175 - 31	L 3 + 00 E 0 + 50 S	<5	<.1	33	7	87
9175 - 32	L 3 + 00 E 0 + 85 S	<5	<.1	12	10	131
9175 - 33	L 3 + 25 E 0 + 85 S	<5	<.1	36	8	142
9175 - 34	L 3 + 25 E 1 + 25 S	<5	<.1	25	9	94
9175 - 35	L 3 + 25 E 1 + 50 S	<5	<.1	36	10	105
9175 - 36	L 3 + 25 E 2 + 00 S	<5	<.1	38	12	120
9175 - 37	L 3 + 25 E 2 + 50 S	<5	<.1	25	8	73
9175 - 38	L 3 + 25 E 3 + 00 S	<5	<.1	41	11	109
9175 - 39	L 3 + 25 E 3 + 50 S	<5	<.1	18	8	90
9175 - 40	L 3 + 25 E 4 + 00 S	<5	<.1	34	16	100
9175 - 41	L 3 + 25 E 4 + 50 S	<5	<.1	30	15	126
9175 - 42	L 3 + 25 E 5 + 00 S	<5	<.1	60	17	100
9175 - 43	L 3 + 75 E 3 + 00 S	<5	<.1	36	10	63
9175 - 44	L 3 + 75 E 3 + 50 S	<5	<.1	50	11	134
9175 - 45	L 3 + 75 E 4 + 00 S	<5	<.1	33	6	92
9175 - 46	L 3 + 75 E 4 + 60 S	<5	<.1	27	9	76
9175 - 47	L 3 + 75 E 5 + 00 S	<5	<.1	34	10	96
9175 - 48	L 3 + 75 E 5 + 50 S	<5	<.1	28	5	54
9175 - 49	L 3 + 75 E 6 + 00 S	<5	<.1	21	5	47
9175 - 50	L 3 + 75 E 6 + 50 S	<5	<.1	45	15	137
9175 - 51	SILT 4 + 25 E 6 + 50 S	<5	<.1	34	12	113
9175 - 52	L 4 + 25 E 6 + 50 S	<5	<.1	31	10	101
9175 - 53	L 4 + 75 E 7 + 00 S	<5	<.1	51	14	129
9175 - 54	L 4 + 75 E 7 + 50 S	<5	<.1	53	14	121
9175 - 55	L 4 + 75 E 8 + 00 S	<5	<.1	157	47	207
9175 - 56	12 + 50 S 5 + 00 E	<5	<.1	38	16	106

NOTE: < = less than

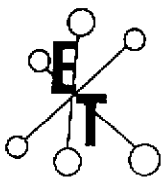


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DOUG HOWARD

B.C. Certified Assayer

SC89-MISC-S



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26.

ASSAYING - ENVIRONMENTAL TESTING

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SEPTEMBER 14, 1989

CERTIFICATE OF ANALYSIS ETS# 89-9188

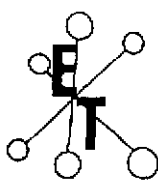
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DUCHAN ENTERPRISES
 384 THURSTON STREET
 BURNABY, B.C.
 V5H 1H9

SAMPLE IDENTIFICATION: 221 SOIL samples received September 5, 1989

 PROJECT: SILVER PRINCESS

ET#	Description	AU (ppb)	AG (ppm)	CU (ppm)	PB (ppm)	ZN (ppm)
9188 - 1	BL 2+ 75S	<5	<.1	30	20	142
9188 - 2	L 2+ 75S 0+ 50 W	<5	<.1	37	20	96
9188 - 3	L 2+ 75S 1+ 00 W	<5	<.1	32	25	84
9188 - 4	L 2+ 75S 1+ 50 W	<5	<.1	42	18	102
9188 - 5	L 2+ 75S 2+ 00 W	<5	<.1	49	24	87
9188 - 6	L 2+ 75S 2+ 50 W	<5	<.1	36	23	160
9188 - 7	L 2+ 75S 3+ 00 W	<5	<.1	33	20	141
9188 - 8	L 2+ 75S 3+ 50 W	<5	<.1	36	35	73
9188 - 9	L 2+ 75S 4+ 00 W	<5	<.1	60	30	65
9188 - 10	L 2+ 75S 4+ 50 W	<5	<.1	37	31	71
9188 - 11	L 2+ 75S 5+ 00 W	<5	<.1	28	28	63
9188 - 12	L 2+ 75S 5+ 50 W	<5	<.1	28	36	196
9188 - 13	L 2+ 75S 6+ 00 W	<5	<.1	42	17	65
9188 - 14	L 2+ 75S 6+ 50 W	<5	<.1	54	15	47
9188 - 15	L 2+ 75S 7+ 00 W	<5	<.1	21	35	767
9188 - 16	L 2+ 00S 2+ 00 W	<5	<.1	43	28	76
9188 - 17	L 9+ 00S 2+ 50 E	<5	<.1	43	24	101
9188 - 18	L 9+ 00S 3+ 00 E	<5	<.1	52	34	58
9188 - 19	L 9+ 00S 3+ 50 E	<5	<.1	37	27	83
9188 - 20	L 9+ 00S 4+ 00 E	<5	<.1	42	23	55
9188 - 21	L 9+ 00S 4+ 50 E	<5	<.1	26	12	78
9188 - 22	L 9+ 00S 5+ 00 E	<5	<.1	31	18	107
9188 - 23	L 9+ 00S 5+ 50 E	<5	<.1	15	18	119
9188 - 24	L 9+ 00S 6+ 00 E	<5	<.1	39	22	57
9188 - 25	L 9+ 00S 6+ 50 E	<5	<.1	31	26	130
9188 - 26	L 9+ 00S 7+ 00 W	<5	<.1	34	22	145
9188 - 27	L 12+ 00S 0+ 50 W	<5	<.1	35	24	58
9188 - 28	L 12+ 00S 1+ 00 W	<5	<.1	22	20	53
9188 - 29	BL 5+ 00N	<5	<.1	45	26	61
9188 - 30	L 5+ 00N 0+ 50 W <i>W. OF CARBL.</i>	<5	<.1	61	29	95



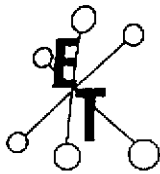
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DUCHAN ENTERPRISES

SEPTEMBER 14, 1989

ET#	Description	AU (ppb)	AG (ppm)	CU (ppm)	PB (ppm)	ZN (ppm)
9188 - 31	L 5+ 00N 1+ 00 W	<5	<.1	48	23	67
9188 - 32	L 5+ 00N 1+ 50 W <i>W.O.P</i>	<5	<.1	72	16	163
9188 - 33	L 5+ 00N 2+ 00 W <i>BARB</i>	<5	<.1	38	12	62
9188 - 34	L 5+ 00N 2+ 50 W <i>L</i>	<5	<.1	74	16	46
9188 - 35	L 5+ 00N 3+ 00 W	<5	<.1	35	26	85
9188 - 36	L 5+ 00N 3+ 50 W	<5	<.1	48	22	40
9188 - 37	L 5+ 00N 4+ 00 W	<5	<.1	37	27	164
9188 - 38	L 5+ 00N 4+ 50 W	<5	<.1	30	25	56
9188 - 39	L 5+ 00N 5+ 00 W	<5	<.1	55	20	93
9188 - 40	L 5+ 00N 5+ 50 W	<5	<.1	37	15	85
9188 - 41	L 5+ 00N 6+ 00 W	<5	<.1	42	23	83
9188 - 42	L 5+ 00N 6+ 40 W	<5	<.1	32	27	96
9188 - 43	L 9+ 00S 0+ 25 E	<5	<.1	35	17	121
9188 - 44	L 9+ 00S 0+ 50 E	<5	<.1	41	22	65
9188 - 45	L 9+ 00S 0+ 75 E	<5	<.1	45	15	48
9188 - 46	L 9+ 00S 1+ 00 E	<5	<.1	32	24	95
9188 - 47	L 9+ 00S 1+ 15 E <i>SILT</i>	<5	<.1	40	18	117
9188 - 48	L 9+ 00S 1+ 25 E	<5	<.1	56	24	95
9188 - 49	L 9+ 00S 1+ 50 E	<5	<.1	16	16	57
9188 - 50	L 9+ 00S 1+ 75 E	<5	<.1	40	16	67
9188 - 51	L 9+ 00S 0+ 25 W	<5	<.1	33	18	116
9188 - 52	L 9+ 00S 0+ 50 W	<5	<.1	27	20	163
9188 - 53	L 9+ 00S 0+ 75 W	<5	<.1	50	22	104
9188 - 54	L 9+ 00S 1+ 00 W	<5	<.1	30	14	60
9188 - 55	L 9+ 00S 1+ 25 W	<5	<.1	37	10	62
9188 - 56	L 9+ 00S 1+ 50 W	<5	<.1	28	26	125
9188 - 57	L 9+ 00S 1+ 75 W	<5	<.1	38	23	50
9188 - 58	L 9+ 00S 2+ 00 W	<5	<.1	48	23	63
9188 - 59	L 9+ 00S 2+ 50 W	<5	<.1	33	18	92
9188 - 60	L 9+ 00S 3+ 00 W	<5	<.1	45	17	55
9188 - 61	L 9+ 00S 3+ 50 W	<5	<.1	26	14	111
9188 - 62	L 9+ 00S 4+ 00 W	<5	<.1	34	18	82
9188 - 63	L 9+ 00S 4+ 50 W	<5	<.1	50	23	74
9188 - 64	L 9+ 00S 5+ 00 W	<5	<.1	54	16	77
9188 - 65	L 9+ 00S 5+ 50 W	<5	<.1	30	14	68
9188 - 66	L 9+ 00S 6+ 00 W	<5	<.1	38	22	76
9188 - 67	L 9+ 00S 6+ 25 W	<5	<.1	44	34	125
9188 - 68	L 9+ 00S 6+ 50 W	<5	<.1	37	32	132
9188 - 69	L 9+ 00S 6+ 75 W	<5	<.1	33	10	45
9188 - 70	L 9+ 00S 7+ 00 W	<5	<.1	45	36	118
9188 - 71	L 9+ 00S 7+ 25 W	<5	<.1	34	10	107
9188 - 72	L 9+ 00S 8+ 00RG	<5	<.1	21	48	913
9188 - 73	L 10+ 00S 0+ 25 <i>SW</i>	<5	<.1	28	12	75
9188 - 74	L 10+ 00S 0+ 50 <i>SW</i>	<5	<.1	24	8	95
9188 - 75	L 10+ 00S 0+ 75 <i>SW</i>	<5	<.1	54	8	74



ECO-TECH LABORATORIES LTD.

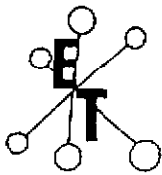
ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

DUCHAN ENTERPRISES

SEPTEMBER 14, 1989

ET#	Description	AU (ppb)	AG (ppm)	CU (ppm)	PB (ppm)	ZN (ppm)	
9188 - 76	L 10+ 00S 1+ 00 W	<5	<.1	26	16	92	
9188 - 77	L 10+ 00S 1+ 25 W	<5	<.1	38	10	186	
9188 - 78	L 10+ 00S 1+ 50 W	<5	<.1	24	15	103	
9188 - 79	L 10+ 00S 1+ 75 W	<5	<.1	28	16	63	
9188 - 80	L 10+ 00S 2+ 00 W	<5	<.1	33	8	77	
9188 - 81	L 10+ 00S 2+ 50 W	<5	<.1	34	14	65	
9188 - 82	L 10+ 00S 3+ 00 W	<5	<.1	28	3	56	
9188 - 83	L 10+ 00S 3+ 50 W	<5	<.1	30	16	75	
9188 - 84	L 10+ 00S 4+ 00 W	<5	<.1	36	18	61	
9188 - 85	L 10+ 00S 4+ 50 W	<5	<.1	35	12	50	
9188 - 86	L 10+ 00S 5+ 00 W	<5	<.1	35	12	298	
9188 - 87	L 10+ 00S 5+ 50 W	<5	<.1	36	18	193	
9188 - 88	L 10+ 00S 6+ 00 W	<5	<.1	36	5	98	
9188 - 89	L 10+ 00S 6+ 50 W	<5	<.1	23	10	74	
9188 - 90	L 10+ 00S 7+ 00 W	<5	<.1	28	8	57	
9188 - 91	L 10+ 00S 0+ 25 W	<5	<.1	60	12	133	
9188 - 92	L 10+ 00S 0+ 50 E	<5	<.1	45	10	107	
9188 - 93	L 10+ 00S 0+ 75 E	<5	<.1	26	16	53	
9188 - 94	L 10+ 00S 1+ 00 E	<5	<.1	87	16	169	
9188 - 95	L 10+ 00S 1+ 25 E	<5	<.1	32	15	89	
9188 - 96	L 10+ 00S 1+ 50 E	<5	<.1	62	14	138	
9188 - 97	L 10+ 00S 1+ 75 E	<5	<.1	26	10	63	
9188 - 98	L 10+ 00S 2+ 00 E	<5	<.1	38	5	75	
9188 - 99	L 10+ 00S 2+ 25 E	<5	<.1	43	12	115	
9188 - 100	L 10+ 00S 2+ 25 E	SILT	<5	<.1	60	10	120
9188 - 101	L 10+ 00S 2+ 25 E	SILT	<5	<.1	53	19	142
9188 - 102	L 2+ 75S 0+ 50 E	<5	<.1	46	10	98	
9188 - 103	L 2+ 75S 1+ 00 E	<5	<.1	38	26	67	
9188 - 104	L 2+ 75S 1+ 50 E	<5	<.1	43	16	80	
9188 - 105	L 2+ 75S 2+ 00 E	<5	<.1	42	22	109	
9188 - 106	L 2+ 75S 2+ 50 E	<5	<.1	46	20	123	
9188 - 107	L 2+ 75S 3+ 00 E	<5	<.1	55	22	121	
9188 - 108	L 2+ 75S 3+ 50 E	<5	<.1	68	22	147	
9188 - 109	L 2+ 75S 4+ 00 E	<5	<.1	37	14	88	
9188 - 110	L 3+ 00S 2+ 00 W	<5	<.1	48	14	167	
9188 - 111	L 3+ 00S 2+ 50 W	<5	<.1	43	19	87	
9188 - 112	L 3+ 00S 3+ 00 W	<5	<.1	56	16	370	
9188 - 113	L 3+ 00S 3+ 50 W	<5	<.1	48	18	88	
9188 - 114	L 3+ 00S 4+ 00 W	<5	<.1	43	17	76	
9188 - 115	L 3+ 00S 4+ 50 W	<5	<.1	28	16	136	
9188 - 116	L 3+ 00S 5+ 00 W	<5	<.1	33	18	77	
9188 - 117	L 3+ 50S 3+ 00 W	<5	<.1	190	24	120	
9188 - 118	L 4+ 00S 3+ 00 W	<5	<.1	61	30	245	
9188 - 119	L 4+ 00S 3+ 50 W	<5	<.1	63	20	50	
9188 - 120	L 4+ 00S 3+ 75 W	<5	<.1	44	23	73	



ECO-TECH LABORATORIES LTD.

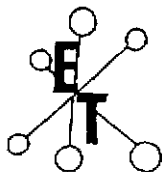
29.

ASSAYING - ENVIRONMENTAL TESTING
 10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

DUCHAN ENTERPRISES

SEPTEMBER 14, 1989

ET#	Description	AU (ppb)	AG (ppm)	CU (ppm)	PB (ppm)	ZN (ppm)
9188 - 121	L 4+ 25S 3+ 75 W	<5	<.1	28	16	94
9188 - 122	L 4+ 25S 4+ 25 W	<5	<.1	37	16	84
9188 - 123	L 4+ 25S 4+ 75 W	<5	<.1	39	20	58
9188 - 124	L 5+ 25S 1+ 25 E	<5	<.1	52	22	112
9188 - 125	L 5+ 25S 1+ 75 W	<5	<.1	77	18	126
9188 - 126	L 5+ 25S 2+ 00 W	<5	<.1	38	20	74
9188 - 127	L 5+ 25S 2+ 25 W	<5	<.1	54	18	140
9188 - 128	L 5+ 25S 2+ 50 W	<5	<.1	53	12	85
9188 - 129	L 5+ 25S 2+ 75 W	<5	<.1	65	17	131
9188 - 130	L 5+ 25S 3+ 00 W	<5	<.1	51	24	144
9188 - 131	L 6+ 65S 2+ 50 W	<5	<.1	46	18	109
9188 - 132	L 6+ 65S 2+ 75 W	<5	<.1	44	17	67
9188 - 133	L 2+ 25S 0+ 50 E	<5	<.1	52	23	130
9188 - 134	L 2+ 25S 1+ 00 E	<5	<.1	55	13	85
9188 - 135	L 2+ 25S 1+ 50 E	<5	<.1	39	21	123
9188 - 136	L 2+ 25S 2+ 50 E	<5	<.1	58	20	128
9188 - 137	L 2+ 25S 3+ 00 E	<5	<.1	37	24	70
9188 - 138	L 2+ 25S 3+ 50 E	<5	<.1	35	16	55
9188 - 139	L 2+ 25S 4+ 00 E	<5	<.1	29	18	87
188 - 140	L 2+ 25S 4+ 50 E	<5	<.1	37	16	51
9188 - 141	L 3+ 50E 2+ 25 N <i>EAST OF BARB L</i>	<5	<.1	56	25	103
9188 - 142	L 3+ 25E 2+ 25 N	<5	<.1	30	19	58
9188 - 143	L 3+ 75E 2+ 25 N	<5	<.1	27	18	105
9188 - 144	L 4+ 00E 2+ 75 N	<5	<.1	22	22	66
9188 - 145	L 4+ 00E 3+ 50 N <i>EAST OF BARB L</i>	<5	<.1	32	18	81
9188 - 146	L 4+ 00E 4+ 00 N	<5	<.1	31	20	85
9188 - 147	L 4+ 00N 3+ 00 E	<5	<.1	70	17	154
9188 - 148	L 4+ 00N 3+ 25 E	<5	<.1	55	14	100
9188 - 149	L 4+ 00N 3+ 50 E	<5	<.1	58	19	234
9188 - 150	L 4+ 00N 3+ 75 E	<5	<.1	51	12	145
9188 - 151	L 4+ 00N 4+ 25 E	<5	<.1	66	18	137
9188 - 152	L 4+ 00N 4+ 50 E	<5	<.1	56	13	88
9188 - 153	L 4+ 00N 4+ 75 E	<5	<.1	54	20	130
9188 - 154	L 4+ 00N 5+ 00 E	<5	<.1	37	17	50
9188 - 155	L 4+ 00N 5+ 25 E	<5	<.1	34	18	61
9188 - 156	L 4+ 00N 5+ 50 E	<5	<.1	43	33	102
9188 - 157	L 5+ 00S 0+ 50 E	<5	<.1	30	22	53
9188 - 158	L 5+ 00S 1+ 00 E	<5	<.1	36	18	50
9188 - 159	L 5+ 00S 1+ 50 E	<5	<.1	35	13	70
9188 - 160	L 5+ 00S 2+ 00 E	<5	<.1	40	16	73
9188 - 161	L 5+ 00S 2+ 40 E <i>SILT</i>	<5	<.1	53	22	140
9188 - 162	L 5+ 00S 2+ 50 E	<5	<.1	75	18	143
9188 - 163	L 5+ 00S 3+ 00 E	<5	<.1	54	16	114
9188 - 164	L 5+ 00S 3+ 50 E	<5	<.1	44	15	106
188 - 165	L 5+ 00S 4+ 00 E	<5	<.1	38	15	62



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ASSAYING - ENVIRONMENTAL TESTING

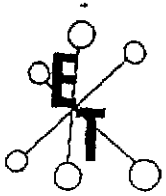
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

30.

DUCHAN ENTERPRISES

SEPTEMBER 14, 1989

ET#	Description	AU (ppb)	AG (ppm)	CU (ppm)	PB (ppm)	ZN (ppm)
9188 - 166	L 5+ 00S 5+ 00 E	<5	<.1	43	12	90
9188 - 167	L 5+ 00S 5+ 50 E	<5	<.1	70	18	145
9188 - 168	L 5+ 00S 5+ 75 E	<5	<.1	63	20	158
9188 - 169	L 5+ 00S 6+ 00 E	<5	<.1	33	14	92
9188 - 170	L 5+ 00S 6+ 50 E	<5	<.1	47	10	121
9188 - 171	L 5+ 00S 6+ 75 E	<5	<.1	32	16	86
9188 - 172	L 6+ 00S 4+ 00 E	<5	<.1	50	10	95
9188 - 173	L 6+ 00S 4+ 25 E	<5	<.1	62	16	145
9188 - 174	L 6+ 00S 4+ 50 E	<5	<.1	56	15	63
9188 - 175	L 6+ 00S 4+ 75 E	<5	<.1	47	15	63
9188 - 176	L 6+ 00S 5+ 00 E	<5	<.1	60	16	107
9188 - 177	L 6+ 00S 5+ 25 E	<5	<.1	55	17	125
9188 - 178	L 6+ 00S 5+ 50 E	<5	<.1	92	14	128
9188 - 179	L 6+ 00S 5+ 75 E	<5	<.1	76	16	129
9188 - 180	L 6+ 00S 6+ 25 E	<5	<.1	41	14	64
9188 - 181	L 6+ 00S 6+ 75 E	<5	<.1	53	20	107
9188 - 182	L 6+ 75E 5+ 50 S	<5	<.1	38	21	65
9188 - 183	L 6+ 00S 0+ 50 W	<5	<.1	41	30	64
9188 - 184	L 6+ 00S 0+ 75 W	<5	<.1	43	24	69
9188 - 185	L 6+ 00S 1+ 00 W	<5	<.1	39	16	87
9188 - 186	L 6+ 00S 1+ 50 W	<5	<.1	43	18	70
9188 - 187	L 6+ 00S 2+ 00 W	<5	<.1	42	18	55
9188 - 188	L 6+ 00S 2+ 50 W	<5	<.1	40	21	98
9188 - 189	L 6+ 00S 2+ 75 W SILT	<5	<.1	55	16	295
9188 - 190	L 6+ 00S 3+ 00 W	<5	<.1	43	19	104
9188 - 191	L 6+ 00S 3+ 50 W	<5	<.1	54	23	112
9188 - 192	L 6+ 00S 4+ 00 W	<5	<.1	40	20	60
9188 - 193	L 6+ 00S 4+ 50 W	<5	<.1	45	22	93
9188 - 194	L 6+ 00S 4+ 75 W	<5	<.1	80	25	60
9188 - 195	L 6+ 50S 4+ 75 W	<5	<.1	65	30	95
9188 - 196	L 7+ 00S 1+ 00 W	<5	<.1	43	25	76
9188 - 197	L 7+ 00S 1+ 50 W	<5	<.1	47	26	242
9188 - 198	L 7+ 00S 2+ 00 W	<5	<.1	38	14	68
9188 - 199	L 7+ 00S 2+ 50 W	<5	<.1	43	14	52
9188 - 200	L 7+ 00S 3+ 00 W	<5	<.1	60	20	278
9188 - 201	L 7+ 00S 3+ 50 W	<5	<.1	48	18	110
9188 - 202	L 7+ 00S 4+ 00 W	<5	<.1	41	13	73
9188 - 203	L 7+ 00S 4+ 50 W	<5	<.1	35	20	67
9188 - 204	L 7+ 00S 4+ 75 W	<5	<.1	45	16	63
9188 - 205	L 8+ 00S 0+ 25 E	<5	<.1	32	22	85
9188 - 206	L 8+ 00S 0+ 50 E	<5	<.1	53	21	132
9188 - 207	L 8+ 00S 0+ 75 E	<5	<.1	25	21	56
9188 - 208	L 8+ 00S 1+ 00 E	<5	<.1	53	17	123
9188 - 209	L 8+ 00S 0+ 25 W	<5	<.1	40	15	56
9188 - 210	L 8+ 00S 0+ 50 W	<5	<.1	24	20	85



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31.

CHAN ENTERPRISES

SEPTEMBER 14, 1989

ET#	Description	AU (ppb)	AG (ppm)	CU (ppm)	PB (ppm)	ZN (ppm)
9188 - 211	L 8+ 00S 0+ 75 W	<5	<.1	48	22	85
9188 - 212	L 8+ 00S 1+ 00 W	<5	<.1	34	8	53
9188 - 213	L 8+ 00S 1+ 50 W	<5	<.1	36	14	63
9188 - 214	L 8+ 00S 2+ 00 W	<5	<.1	38	15	80
9188 - 215	L 8+ 00S 2+ 50 W	<5	<.1	33	20	92
9188 - 216	L 8+ 00S 3+ 00 W	<5	<.1	38	17	117
9188 - 217	L 8+ 00S 3+ 50 W	<5	<.1	45	17	153
9188 - 218	L 8+ 00S 4+ 00 W	<5	<.1	43	12	128
9188 - 219	L 8+ 00S 4+ 50 W	<5	<.1	34	14	85
9188 - 220	28667	<5	<.1	43	13	87
9188 - 221	28688	<5	<.1	29	20	142

NOTE: < = LESS THAN

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DOUG HOWARD
B.C. CERTIFIED ASSAYER

SC89/S2

ECO-TECH LABORATORIES LTD.

10041 EAST TRANS CANADA HWY.
 KAMLOOPS, B.C. V2C 2J3
 PHONE - 604-573-5700
 FAX - 604-573-4557

DUCHAN ENTERPRISES - ETS89-9169A

3843 THURSTON ST.
 BURNABY, B.C.
 V5H 1H9

SEPTEMBER 29, 1989

PROJECT:
 41 ROCK SAMPLES RECEIVED AUG.25, 1989

VALUES IN PPM UNLESS OTHERWISE REPORTED

ETK#	DESCRIPTIONS	AG	AL(X)	AS	B	BA	BI	CA(X)	CD	CO	CR	CU	FE(X)	K(X)	LA	MG(X)	MN	MO	NA(X)	NI	P	PB	SB	SN	SR	TI(X)	U	V	W	Y	ZN
9169 - 37	28680 <i>S.W. P. MAC</i>	1.2	1.47	25	14	15	<5	.64	5	(6)	(70)	30	9.20	.02	10	.93	425	25	.07	(70)	3200	38	10	20	23	.07	<10	171	<10	6	99
9169 - 39	28704	.4	.46	20	18	10	<5	1.47	<1	16	38	31	8.59	.19	10	.51	913	2	.04	7	1370	28	10	20	41	<.01	<10	32	<10	8	73

NOTE: < = LESS THAN

CC: PAUL DUPRAS
 BOX 265
 STEWART, B.C.
 V0T 1W0

for Julia DeLouse
 ECO-TECH LABORATORIES LTD.
 Doug Howard
 B.C. Certified Assayer

SC89/ST4

ECO-TECH LABORATORIES LTD.

10041 EAST TRANS CANADA HWY.
KAMLOOPS, B.C. V2C 2J3
PHONE - 604-573-5700
FAX - 604-573-4557

DUCHAN ENTERPRISES - ETK89-9204A

3849 THURSTON ST.
BURNABY, B.C.
V5H 1H9

SEPTEMBER 28, 1989

PROJECT: *BARB LAKE*
10 ROCK SAMPLES RECEIVED SEPT. 15, 1989

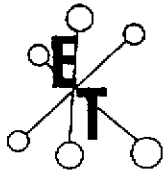
VALUES IN PPM UNLESS OTHERWISE REPORTED

ETKW	DESCRIPTIONS	AG	AL(Z)	AS	B	BA	BI	CA(Z)	CD	CO	CR	CU	FE(Z)	K(Z)	LA	MG(Z)	MN	MO	NA(Z)	NI	P	PB	SB	SN	SR	TI(Z)	U	V	W	Y	ZN
9204 - 1	28667	.4	.16	20	<2	160	<5	.14	4	4	84	26	5.70	.08	<10	.08	2188	6	.08	8	580	40	10	20	18	<.01	<10	28	<10	12	122
9204 - 2	28668	.6	.25	20	<2	60	<5	6.32	<1	9	52	33	5.33	.10	<10	1.76	2493	5	.04	6	800	28	10	20	155	<.01	<10	28	<10	11	435
9204 - 3	28669	.6	.20	20	<2	40	<5	4.78	<1	11	80	24	3.66	.08	<10	1.37	2030	8	.04	8	760	24	10	20	146	<.01	<10	21	<10	10	165
9204 - 4	28670	1.2	.46	35	<2	85	<5	5.56	<1	25	14	138	7.06	.17	10	1.74	3104	2	.04	11	750	10	20	20	179	<.01	<10	63	<10	12	121
9204 - 5	28671	1.2	.35	25	<2	105	<5	11.94	<1	17	17	67	7.68	.07	10	3.48	3565	<1	.04	9	510	14	25	20	711	<.01	<10	86	<10	20	66
9204 - 6	28672 <i>7205-2006</i>	<i>2.5</i>	.59	75	<2	95	<5	2.01	2	4	<i>242</i>	54	2.65	.07	10	.05	82	16	.04	<i>34</i>	10000	124	15	<20	172	<.01	<10	45	10	35	<i>684</i>
9204 - 7	28673	.4	.20	45	<2	60	<5	5.06	<1	8	87	27	4.25	.06	<10	1.30	1179	7	.04	61	560	8	5	20	152	<.01	<10	23	<10	10	47
9204 - 8	28674	.2	.67	25	<2	140	<5	2.65	<1	18	28	56	5.94	.17	10	.61	1354	1	.05	21	2770	12	10	20	162	<.01	<10	47	<10	14	104
9204 - 9	28675	.2	.47	20	<2	305	<5	7.83	<1	17	37	41	4.99	.14	10	1.97	1696	3	.04	40	1530	16	10	20	395	<.01	<10	32	<10	12	92
9204 - 10	28676	.2	2.49	5	<2	85	<5	5.23	1	29	91	80	7.20	.05	10	3.19	1635	2	.04	46	1220	8	20	40	170	.01	<10	185	<10	12	153

NOTE: < = LESS THAN

CC: PAUL DUPRAS
BOX 265
STEWART, B.C.
V0T 1W0

Douglas Howard
ECO-TECH LABORATORIES LTD.
Doug Howard
B.C. Certified Assayer



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ASSAYING - ENVIRONMENTAL TESTING
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AUGUST 29, 1989

CERTIFICATE OF ANALYSIS ETS 89-9169 =====

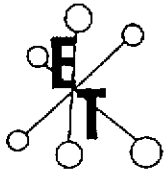
DUCHAN ENTERPRISES
3849 THURSTON STREET
BURNABY, B.C.
V5H 1H9

SAMPLE IDENTIFICATION: 41 ROCK samples received August 25, 1989

ET#	Description	Al (g/t)	Au (oz/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
9169 - 1	71625	<.03	<.001	<.1	.01	<.01	.01
9169 - 2	71626	<.03	<.001	<.1	.01	<.01	.01
9169 - 3	71633	<.03	<.001	<.1	.01	.01	.03
9169 - 4	71634	<.03	<.001	<.1	.01	.01	.03
9169 - 5	71636	<.03	<.001	<.1	.01	<.01	.03
9169 - 6	71637	<.03	<.001	<.1	.01	<.01	.03
9169 - 7	71638	<.03	<.001	<.1	.01	<.01	.03
9169 - 8	71639	<.03	<.001	<.1	.01	<.01	.03
9169 - 9	71640	<.03	<.001	<.1	.01	<.01	.04
9169 - 10	71641	<.03	<.001	<.1	.02	<.01	.04
9169 - 11	71642	<.03	<.001	<.1	.01	<.01	.05
9169 - 12	71643	<.03	<.001	<.1	.01	<.01	.04
9169 - 13	71644	<.03	<.001	<.1	.01	<.01	.04
9169 - 14	71645	<.03	<.001	<.1	.01	<.01	.04
9169 - 15	71646	<.03	<.001	<.1	.01	<.01	.05
9169 - 16	71647	<.03	<.001	<.1	.01	<.01	.03
9169 - 17	28651	<.03	<.001	<.1	.01	<.01	.04
9169 - 18	28652	<.03	<.001	<.1	.01	<.01	.04
9169 - 19	28653	<.03	<.001	<.1	.01	<.01	.04
9169 - 20	28654	<.03	<.001	<.1	.01	<.01	.04
9169 - 21	28655	<.03	<.001	<.1	.02	<.01	.05
9169 - 22	28656	<.03	<.001	<.1	.02	<.01	.04
9169 - 23	28657	<.03	<.001	<.1	.02	<.01	.04
9169 - 24	28658	<.03	<.001	<.1	.02	<.01	.01
9169 - 25	28659	<.03	<.001	<.1	.01	<.01	.01
9169 - 26	28660	<.03	<.001	<.1	.01	<.01	.01
9169 - 27	28661	<.03	<.001	<.1	.01	<.01	.01
9169 - 28	28662	<.03	<.001	<.1	.01	<.01	.01
9169 - 29	28663	<.03	<.001	<.1	.01	<.01	.01
9169 - 30	28664	<.03	<.001	<.1	.02	<.01	.01

Doug Howard

DOUG HOWARD, Certified Assayer

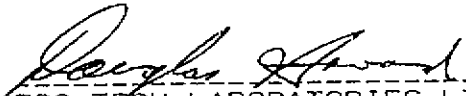
**ECO-TECH LABORATORIES LTD.**ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

DUCHAN ENTERPRISES

AUGUST 29, 1989

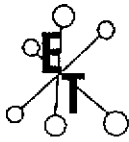
ET#	Description	Au (g/t)	Au (oz/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
9169 - 31	28665	<.03	<.001	<.1	.01	<.01	.01
9169 - 32	28666	<.03	<.001	<.1	.01	<.01	.01
9169 - 33	28677	<.03	<.001	<.1	.01	<.01	.01
9169 - 34	28678	<.03	<.001	<.1	.01	<.01	.01
9169 - 35	28679	<.03	<.001	<.1	.01	<.01	.03
9169 - 36	28680	<.03	<.001	<.1	.01	<.01	.02
9169 - 37	28680	<.03	<.001	<.1	.01	<.01	.01
9169 - 38	28703	<.03	<.001	<.1	.01	<.01	.01
9169 - 39	28704	<.03	<.001	<.1	.01	<.01	.01
9169 - 40	28751	<.03	<.001	<.1	.01	<.01	.01
9169 - 41	28752	<.03	<.001	<.1	.01	<.01	.01

NOTE: < = less than



ECO-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. Certified Assayer

SC89/S1



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

SEPTEMBER 28, 1989

CERTIFICATE OF ANALYSIS ETS 89-9214

DUCHAN ENTERPRISES
384 THURSTON STREET
BURNABY, B.C.
V5H 1H9

SAMPLE IDENTIFICATION: 26 ROCK samples received September 22, 1989

ET#	Description	Au (ppb)	Au (g/t)	Au (oz/t)	Ag (ppm)	Ag (g/t)	Zn (ppm)
9214 - 1	28699	<5			<.1		
9214 - 2	28700	<5			<.1		
9214 - 3	28718	<5			<.1		
9214 - 4	28719	<5			<.1		
9214 - 5	28723	<5			<.1		
9214 - 6	28724	<5			<.1		
9214 - 7	28725	<5			<.1		
9214 - 8	28726	<5			<.1		
9214 - 9	28727	<5			<.1		
9214 - 10	28728	<5			<.1		
9214 - 11	28729	<5			<.1		
9214 - 12	28730	<5			<.1		
9214 - 13	28731	<5			<.1		
9214 - 14	28732	<5			<.1		
9214 - 15	28733	<5			<.1		
9214 - 16	28734	<5			<.1		
9214 - 17	28735	<5			<.1		
9214 - 18	28736	<5			<.1		
9214 - 19	28756(L4+50S 2+00W)	>1000	33.02 *	.963	>30.0	1610.0	
9214 - 20	28756	130			13.5		
9214 - 21	28757	<5			5.3		
9214 - 22	28758	<5			<.1		
9214 - 23	28759	<5			<.1		
9214 - 24	28760	<5			<.1		391
9214 - 25	28761	<5			<.1		
9214 - 26	28762	75			<.1		

NOTE: < = LESS THAN
> = GREATER THAN
* SAMPLE SCREENED & METALLIGS ASSAYED

Doug Howard
ECO-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. Certified Assayer

SC89-52

ECO-TECH

LOI
KAI
PHI
FA:

SEPTEMBER 29, 1989

VALUES IN PPM UNLESS OTHERWISE REPORTED

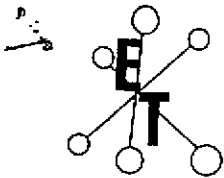
ET# DESCRIPTIONS

9169 - 37 28680
9169 - 39 28704

NOTE: < = LESS THAN

CC: PAUL DUPRAS
BOX 265
STEWART, B.C.
V0T 1W0

SC89/514



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (504) 573-5700 Fax 573-4557

SEPTEMBER 11, 1989

CERTIFICATE OF ANALYSIS ETS 89-9191

DUCHAN ENTERPRISES
384 THURSTON STREET
BURNABY, B.C.
V5H 1H9

SARB NAME

SAMPLE IDENTIFICATION: 18 ROCK samples received September 6, 1989

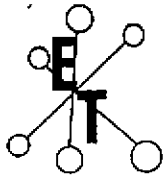
ET#	Description	Au (ppb)	Ag (ppm)
9191 - 1	28686		
9191 - 2	28687	25	<.1
9191 - 3	28688	<5	<.1
9191 - 4	28689	<5	.4
9191 - 5	28690	<5	<.1
9191 - 6	28691	<5	<.1
9191 - 7	28692	<5	<.1
9191 - 8	28693	<5	<.1
9191 - 9	28694	<5	<.1
9191 - 10	28695	<5	<.1
9191 - 11	28696	<5	<.1
9191 - 12	28712	<5	<.1
9191 - 13	28698	<5	<.1
9191 - 14	28699	<5	<.1
9191 - 15	28700	<5	<.1
9191 - 16	28701	<5	<.1
9191 - 17	28702	<5	<.1
9191 - 18	28755	<5	<.1

NOTE: < = less than

Douglas Howard

ECO-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. Certified Assayer

SC89-S2



ECO-TECH LABORATORIES LTD.

38.

ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (804) 573-5700 Fax 573-4557

SEPTEMBER 1, 1989

CERTIFICATE OF ANALYSIS ETS 89-9174
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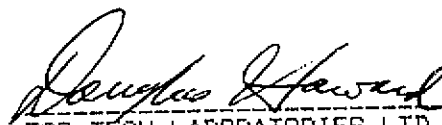
DUCHAN ENTERPRISES LTD.
3849 THURSTON STREET
BURNABY, B.C.
V5H 1H9

SAMPLE IDENTIFICATION: 25 ROCK samples received August 28, 198

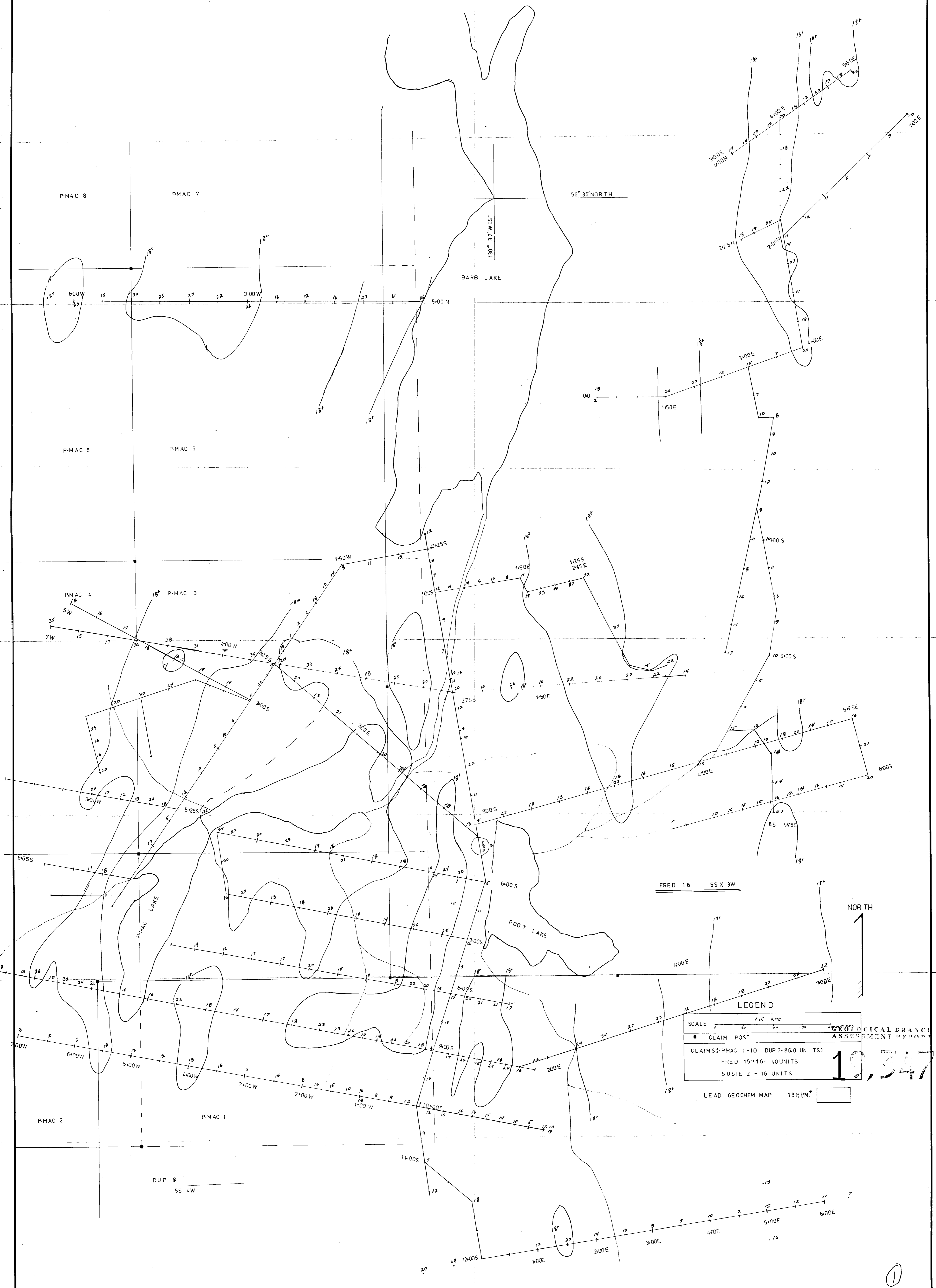
PROJECT: BURE L
P.O. # SILVER PRINCESS

ET#	Description	Au (ppb)	Ag (ppm)
9174-	1 28681	<5	<.1
9174-	2 28682	<5	<.1
9174-	3 28683	<5	.6
9174-	4 28684	<5	<.1
9174-	5 28685	<5	<.1
9174-	6 28701	<5	<.1
9174-	7 28702	<5	<.1
9174-	8 28705	<5	<.1
9174-	9 28706	<5	<.1
9174-	10 28707	<5	<.1
9174-	11 28708	<5	<.1
9174-	12 28709	<5	<.1
9174-	13 28710	<5	.1
9174-	14 28711	<5	<.1
9174-	15 28753	<5	<.1
9174-	16 28754	<5	<.1
9174-	17 71628	<5	<.1
9174-	18 71629	<5	<.1
9174-	19 71630	<5	.6
9174-	20 71631	<5	.2
9174-	21 71632	<5	.1
9174-	22 71635	<5	<.1
9174-	23 71648	<5	.5
9174-	24 71649	<5	.8
9174-	25 71650	<5	.2

NOTE: < = less than


ECO-TECH LABORATORIES LTD.
Doug Howard
B.C. Certified Assayer

cc: PAUL DUPRAS
BOX 265
STEWART, B.C.
VOT 1W0
SCB9/MIS1



LEGEND

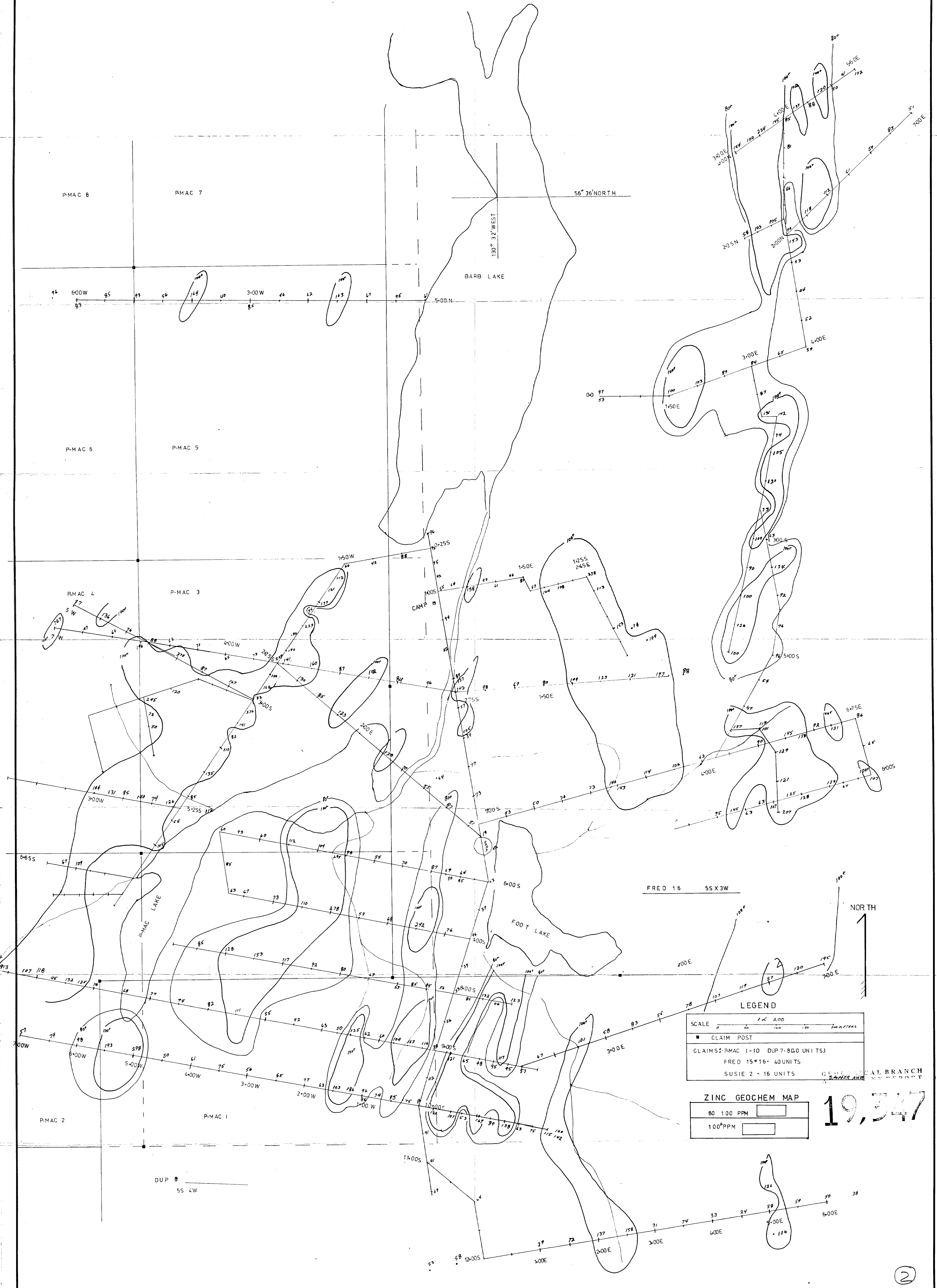
SCALE 0 20 40 60 80 100 120 140 160 180 200

■ CLAIM POST

CLAIMS: P-MAC 1-10 DUP 7-800 UNITS
 FRED 15*16- 40 UNITS
 SUSIE 2 - 16 UNITS

LEAD GEOCHEM MAP 18 PPM

19,347



P-MAC 8 P-MAC 7

BARB LAKE

P-MAC 6 P-MAC 5

P-MAC 4 P-MAC 3

FOOT LAKE

P-MAC LAKE

P-MAC 2 P-MAC 1

DUP 8
55 4W

56° 36' NORTH

130° 32' WEST

FRED 16 55 X 3W

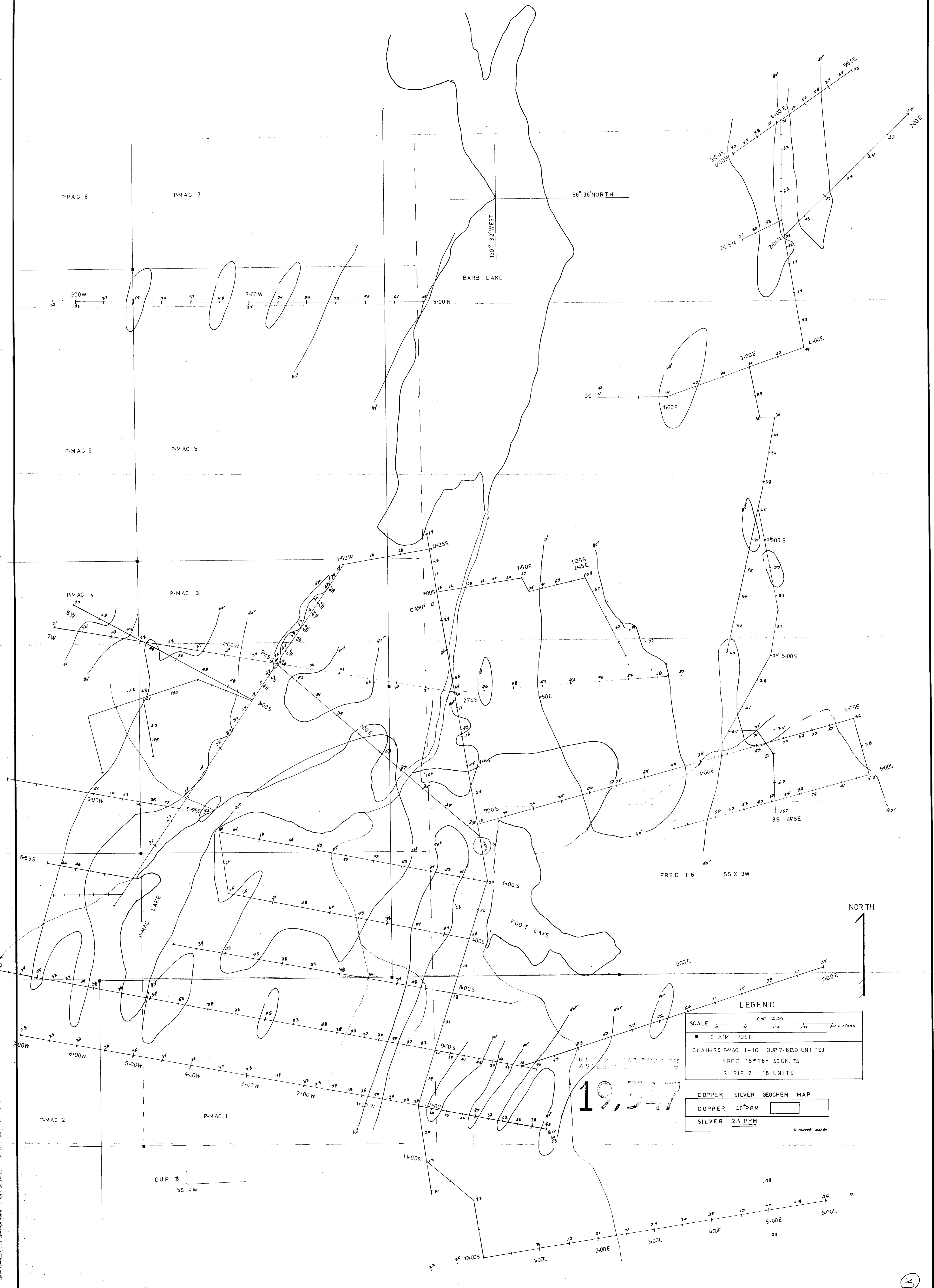
LEGEND

SCALE	0 50 100 200 300 METERS
CLAIM POST	■
CLAIMS: P-MAC 1-10	DUP 7-8 G.O. UNITS
FRED 15-16	40 UNITS
SUSIE 2	16 UNITS

ZINC GEOCHEM MAP	
80 100 PPM	□
100 PPM	□

19,347

GEOL. BRANCH
DUFFER AUST.



LEGEND

SCALE 0 50 100 150 200 METERS

■ CLAIM POST

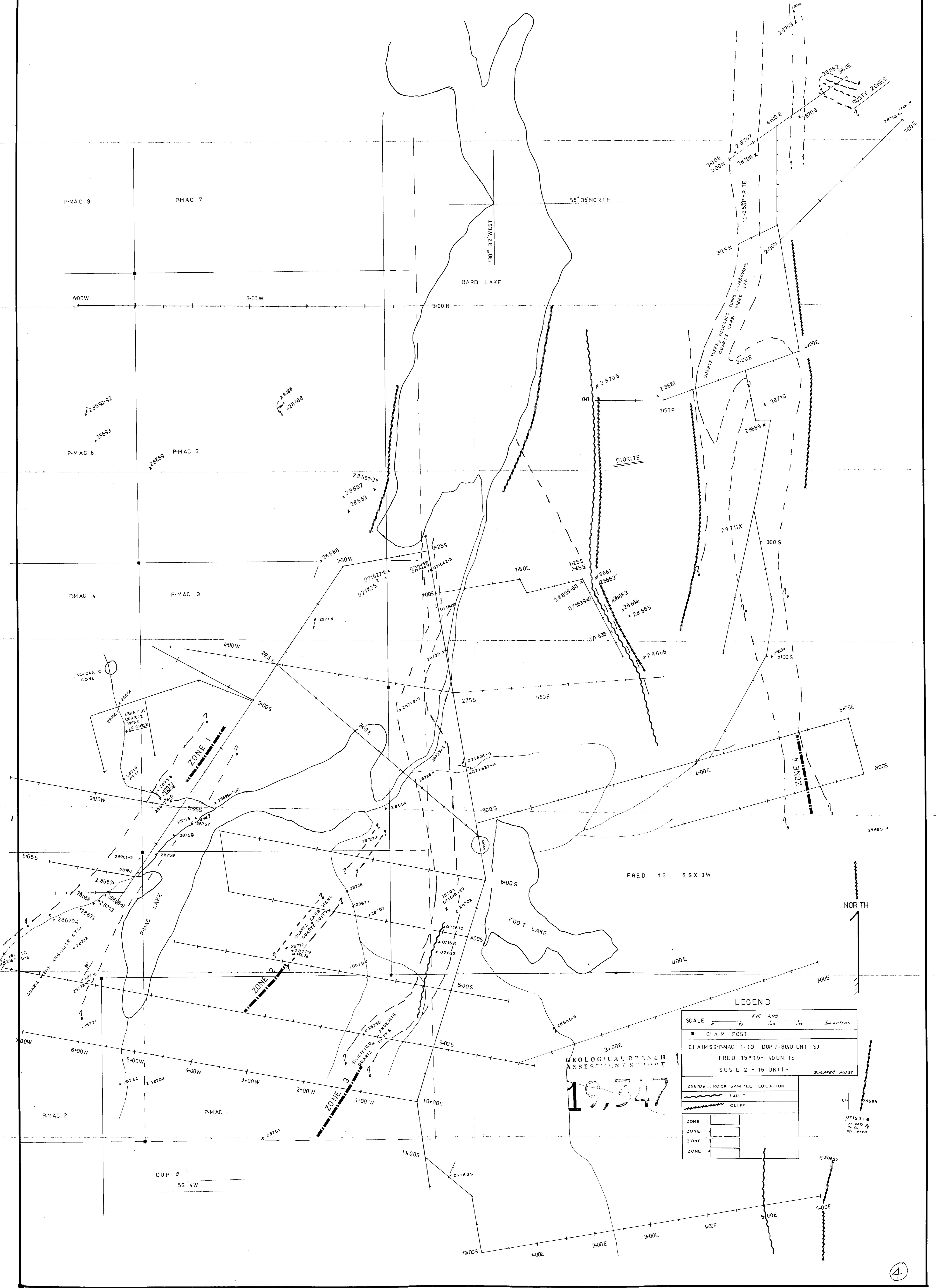
CLAIMS: P-MAC 1-10 DUP 7-8@0 UNITS
 FRED 15*16- 40 UNITS
 SUSIE 2 - 16 UNITS

COPPER SILVER GEOCHEM MAP

COPPER 40 PPM

SILVER 2.4 PPM

19,347



LEGEND

SCALE	0 50 100 150 200 METERS
CLAIM POST	■
CLAIMS: P-MAC 1-10	DUP 7-800 UNITS
	FRED 15*16- 40 UNITS
	SUSIE 2 - 16 UNITS
28678	ROCK SAMPLE LOCATION
---	FAULT
---	CLIFF
ZONE 1	[Symbol]
ZONE 2	[Symbol]
ZONE 3	[Symbol]
ZONE 4	[Symbol]

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

19,347

DUP 8
55 4W