

86-915-15670

REPORT ON  
DIAMOND DRILL HOLES 86-1,2,3 & 4  
DEL 1-4 CLAIMS  
ADAMS LAKE AREA  
KAMLOOPS MINING DIVISION, B.C.

NTS 82M/4E  
Lat. 51°07'N  
Long. 119°41'W

For

Owner: C. DELORME  
6212 - 180A Street  
Surrey, B.C.  
V3S 4L8

Operator: G&D Diamond Drilling Co. Ltd.

By

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6703 Nicholson Road  
Delta, B.C.  
V4E 2T2

JANUARY 16, 1987

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

15,670

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### SUMMARY

A small diamond drilling program consisting of 4 short holes was completed on the Del claim group between October 3 and October 16, 1986. The holes were located 100 and 150 meters west of a 1982 drill hole collared near a surface exposure of zinc mineralization. All 4 holes failed to intersect any significant mineralization.

### INTRODUCTION

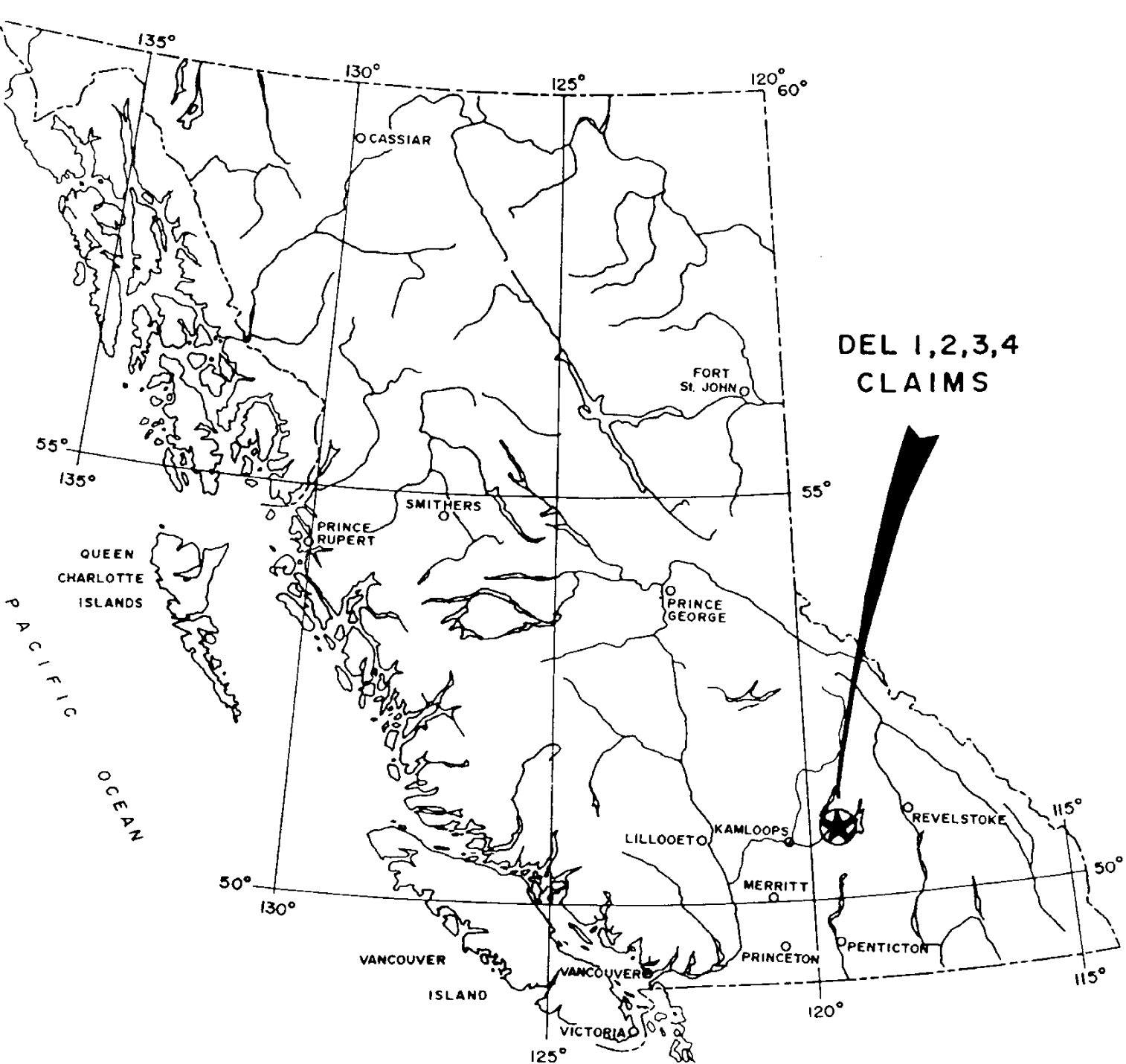
This report is written at the request of Mr. G. Delorme of 6212 - 180A Street, Surrey, B.C. The purpose is to evaluate the results of the subject diamond drilling program, conducted to test the westward extension of surface mineralization and to satisfy the current assessment requirements on the property.

This report is based upon a review of previous work on the property, personal communication with Mr. G. Delorme, as well as the B.C. Ministry of Energy, Mines and Petroleum Resources Statement of Exploration and Development and "G Forms" for the Del 1-4 claims. The writer logged the diamond drill core personally, but has not visited the subject property.

### PROPERTY AND OWNERSHIP

The subject property comprises 4 contiguous mineral claims, totalling 64 units as one group, located in the Kamloops Mining Division of British Columbia (Figure 2). These claims were staked and recorded by Carol Delorme, who is the present owner, between September 29 and October 26, 1985.

A list of pertinent claim data is given below:



**DEL 1,2,3,4  
CLAIMS**

0 100 200 300 400 Kilometres

0 100 200 Miles

**BRITISH COLUMBIA**

<b>DEL 1,2,3,4 CLAIMS</b>		
<b>GENERAL LOCATION MAP</b>		
Scale ≈ 1:1,100,000	Date January 1987	N.T.S. 82 - M/4 E
By <b>J.P. SORBARA &amp; ASSOCIATES</b>		Figure <b>1</b>

<u>CLAIM NAME</u>	<u>RECORD NUMBER</u>	<u>NUMBER OF UNITS</u>	<u>ANNIVERSARY DATE*</u>
DEL-1	6408	20	October 26, 1986
DEL-2	6409	20	October 26, 1986
DEL-3	6410	6	October 26, 1986
DEL-4	6411	18	October 26, 1986

\* prior to filing current work.

#### LOCATION AND ACCESS

The Del claim group is located on NTS Map Sheet 32M/4E and is centered at latitude 51°07'N, longitude 119°41'W. This area, known as White Bluff, is situated on the west shore of Adams Lake, 50 kilometers due south of Vavenby and 31 kilometers east of Barriere, B.C. (Figure 2).

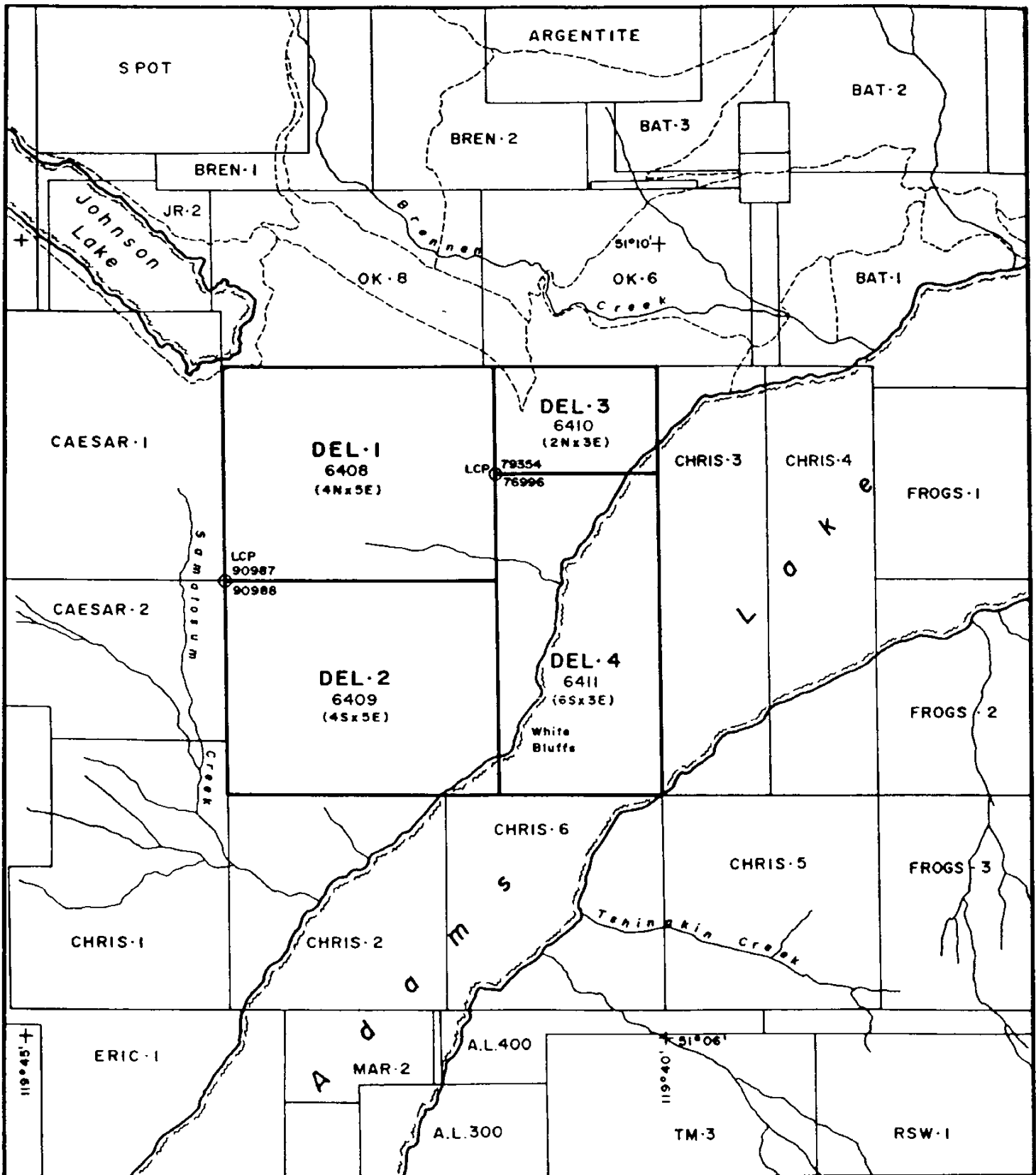
The claims are accessible by road from the Village of Louis Creek located on B.C. Highway #5, some 41 kilometers to the west of the claims.

#### PREVIOUS WORK

The White Bluff area was drilled for zinc mineralization in 1982 when the area was covered by the Amy-Dee claims (Ostensoe, 1982). This mineralization had been previously reported, as the history of prospecting in this relatively accessible area is quite extensive. The reader is referred to articles by various writers listed on page 6 for more history of the area.

#### REGIONAL AND LOCAL GEOLOGY

The Del claim group is located in an area that is underlain by the Shuswap geological terrain. This series of metamorphosed rocks of uncertain origin is believed to have been ac-



DEL 1,2,3,4 CLAIMS

CLAIM MAP



Scale 1 : 50,000	Date January 1987	N.T.S. 82-M/4 E
By <b>J.P. SORBARA &amp; ASSOCIATES</b>		Figure <b>2</b>

creted to the continental margin of the North American plate. Three distinct groups of similar rocks have been defined within the group (Jones, 1959) but their stratigraphic relationship to one another was not determined. These are the Monashee Group, the Mount Ida Group and the Chapperon Group. The reader is referred to Okulitch, 1979 for a detailed description and plans of the regional geology.

In the Adams Lake area, geological structures trend west-northwest with local distortions. Rocks that formerly would have been assigned as part of the Mount Ida Group are now designated as the Eagle Bay formation. These rocks include numerous carbonate and calcareous members that are regarded as potential hosts for stratabound lead-zinc-silver deposits.

Eagle Bay formation rocks predominate in the White Bluff area of the Del claim group. The surface showing near White Bluff on the Del-4 claim has been explored by trenching and is reported to occur in an east-west trending quartz vein that dips to the north at 20° to 25° in a white to grey massive crystalline limestone of the Tshinakin member.

#### 1986 DIAMOND DRILLING

*1 ft = 0.305 m*

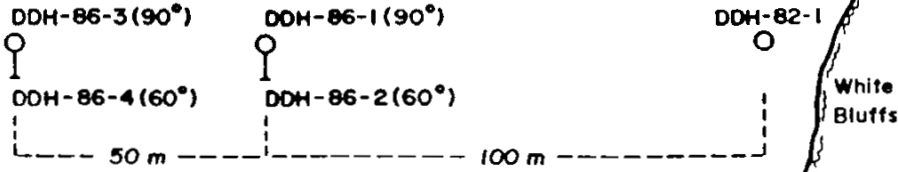
During 1986, 4 short BQ diamond drill holes were drilled west of the White Bluff showing in order to test for the westerly extension of the zinc-bearing quartz vein.

Holes 86-1 and 2 were located 100 meters due west of diamond drill hole 82-1. Hole number 86-1 was vertical and is 32 feet in length. Hole 86-2 was drilled at an angle of 60° on a bearing of Az 180° and is 30 feet long.

Holes 86-3 and 4 were drilled 150 meters west of hole

**INSET**

0 metres 50  
Scale 1:1500

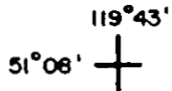


**DEL · 3**  
6410

**DEL · 1**  
6408

LEGAL CORNER POST 79354  
76966

LEGAL CORNER POST 90987  
90988



**DEL · 2**  
6409

**DEL · 4**  
6411

SEE INSET

White Bluffs

Adams Lake



0 .5 1 1.5  
kilometres

**DEL 1,2,3,4 CLAIMS**

**DIAMOND DRILL HOLE LOCATIONS**

Scale 1:20,000    Date January 1987    N.T.S. 82-M/4E

By **J.P. SORBARA & ASSOCIATES**    Figure 3



82-1 again at 90° and 60° on azimuth 180°. Those holes were 23 and 26 feet, respectively, in length.

All 4 drill holes of the 1986 program encountered massive white crystalline limestone and failed to intersect the quartz vein target or any other significant mineralization.

SUMMARIZED CORE DESCRIPTION

*1 ft = 0.305 m  
The core is stored  
near the drill  
holes  
T.K.*

DDH 86-1:

Core Size: BQ                      Location: 100 M Az 270° from DDH 82-1  
Angle: 90°                      Length: 32 feet

0 - 4 Feet: Overburden.  
4 - 32 Feet: Massive white to grey, mottled to slightly banded limestone. Core angle averages 80°. No visible mineralization or distinguishable units. Core recovery 75%.

DDH 86-2:

Core Size: BQ                      Location: 100 M Az 270° from DDH 82-1  
Angle: 60°,                      Length: 30 feet  
         bearing 180°

0 - 4 Feet: Overburden.  
4 - 30 Feet: Massive white to grey, mottled to poorly banded limestone. Core angle averages 90°. No visible mineralization or distinguishable units. Core recovery 92%.

DDH 86-3:

Core Size: BQ                      Location: 150 M Az 270° from DDH 82-1  
Angle: 90°                      Length: 23 feet

0 - 4 Feet: Overburden.  
4 - 23 Feet: Massive white to slightly mottled grey, slightly banded, crystalline limestone. Core angle averages 85°. No visible mineralization or distinguishable units. Core recovery 90%.

DDH 86-4:

Core Size: BQ                      Location: 150 M Az 270° from DDH 82-1  
Angle: 60° @                      Length: 26 feet  
                    Az 180°

- 0 - 3 Feet: Overburden.  
3 - 19 Feet: White massive crystalline limestone. No visible mineralization. Core angle averages 85°.  
19 - 26 Feet: Predominantly grey massive limestone, minor white bands to 1 cm. Average core angle 85°. No visible mineralization. Core recovery 98%.

CONCLUSIONS AND RECOMMENDATIONS

The 1986 program of diamond drilling on the Del 1-4 claims failed to intersect the zinc-bearing quartz vein target in all 4 holes. Massive white to grey limestone of the Tshinakin member of the Eagle Bay formation, without visible mineralization, was the only lithology encountered.

It is recommended that a program of soil geochemistry combined with VLF-EM survey be conducted west of the surface showing on the Del-3 claim. The purpose of this work would be to try to locate the western extension of the surface mineralization so that future drill holes can be properly located.

Respectfully submitted,

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J. PAUL SORBARA, M.Sc., F.G.A.C.

REFERENCES

CAMPBELL, R.B., 1964: Adams Lake and Canoe River Map Areas, Summary of Activities, Field, 1963, Geological Survey of Canada.

JONES, A.G., 1959: Vernon Map Area, British Columbia, Memoir 296, Geological Survey of Canada.

OKULITCH, A.V., 1974: Stratigraphy and Structure of the Mount Ida Group, Vernon (82L), Seymour Arm (82M), Bonaparte Lake (92P) and Kettle River (82E) Map Areas, British Columbia, Geological Survey of Canada, Paper 74-1, Part A.

1979, Thompson-Shuswap-Okanagan, Open File 637, Geological Survey of Canada.

OSTENSOE, E., 1982: Report on Diamond Drill Hole 82-1, Amy-Dee 1-4 Claims, White Bluff, Adams Lake Area, Kamloops Mining Division. B.C. Assessment Report.

APPENDIX I

STATEMENT OF COSTS

Diamond Drilling (111 Feet, BQ)	\$3,800.00
Geological Report	\$1,000.00
Truck Rental	\$ 800.00
Gas and Fuel	\$ 800.00
Wages	\$1,600.00
Room and Board	<u>\$ 600.00</u>
TOTAL:	<u><u>\$8,600.00</u></u>

APPENDIX II

STATEMENT OF QUALIFICATIONS

I, J. PAUL SORBARA, of the Municipality of Delta, in the Province of British Columbia, hereby certify:

1. THAT I am a geologist residing at 6703 Nicholson Road, in the Municipality of Delta, in the Province of British Columbia.
2. THAT I graduated with a B.Sc. in geology from the University of Toronto, in the City of Toronto, in the Province of Ontario, in 1976, and with a M.Sc. in geology from the University of Toronto in 1979.
3. THAT I have practiced geology professionally from 1979 to 1987 including 5 years as an exploration geologist for Cominco Ltd.
4. THAT I am a registered Fellow of the Geological Association of Canada.
5. THAT I do not have, nor do I expect to receive any material interest in the Del 1 to 4 Mineral Claims in Kamloops Mining Division, British Columbia.

SIGNED:

J. PAUL SORBARA, M.Sc., F.G.A.C.

January 16, 1987.