

Geological Reconnaissance Assessment Report
on portions of the
Gilt Creek Group
(Mike, C.G., Julie, and Gilt Mineral Claims)

Situated
32 km North of Hope, B.C.,
New Westminster Mining Division
N.T.S. 92H/11W
Latitude 49° 40' Longitude 121° 23'

AQUARIUS RESOURCES LTD.

Field work carried out in September, 1980.

Report by:

D.R. Cochrane, P. Eng.,
Cochrane Consultants Ltd.,
and

D.G. Cardinal, P. Geol.,
Aquarius Resources Ltd.,
October 24, 1980,
Delta, B.C.



Cochrane Consultants Limited
4882 Delta St., Delta, B.C. V4K 2T8 946-9221
Geotechnical Consulting / Exploration Services

geology
geophysics
geochemistry



TABLE OF CONTENTS

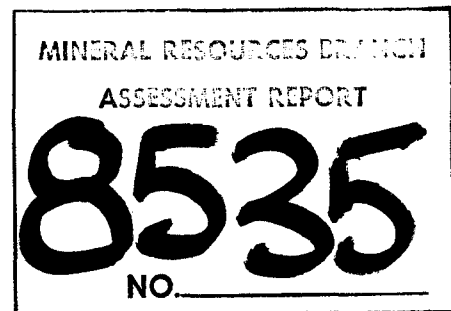
A. INTRODUCTION 1
B. LOCATION AND ACCESS 3
C. PROPERTY INFORMATION 4
D. GENERAL GEOLOGICAL SETTING 6
E. FIELD MAPPING PROCEDURES 8
F. GEOLOGICAL FINDINGS 9
G. CONCLUSION 11

MAPS

1. Location Map report body
2. Claims Map report body
3. Geological Map map pocket

APPENDICES

- I Certificates
II Assessment Work Details



A. INTRODUCTION

The Mike, C.G., Julie and Gift claims are held by Aquarius Resources Ltd., and are located approximately two (2) kilometres southeast of Spuzzum, B.C., along the northern portion of the Coquihalla Gold Belt of Southern British Columbia. The claims were purchased to cover the geological and structural trend which to the south is known to carry gold mineralization however there is no documented record of any previous work or old trenches, pits, etc. The area is topographically rugged with steep slopes, abundant tree cover, shallow overburden and limited bedrock outcrop.

This report outlines the work conducted in September 1980, which basically consisted of geological reconnaissance mapping, over approximately a two (2) square kilometre area



at a scale of one (1) centimetre to fifty (50) metres. The report was prepared for assessment work purposes, assessment work details are outlined in Appendix II.

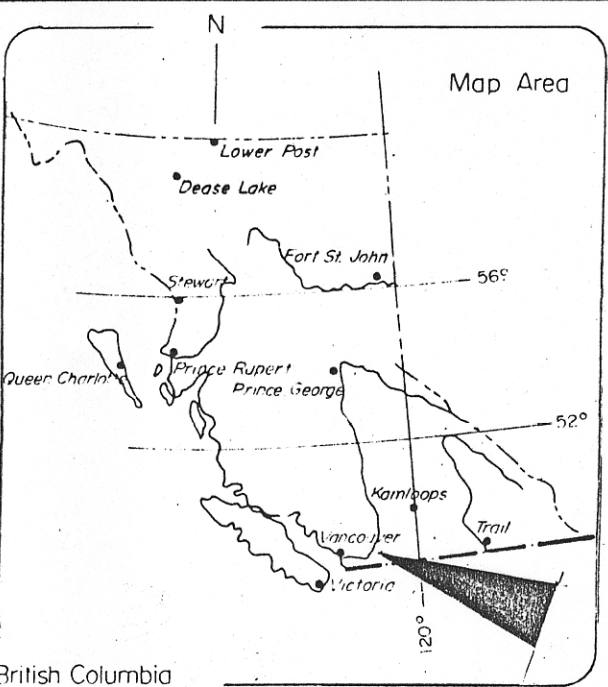
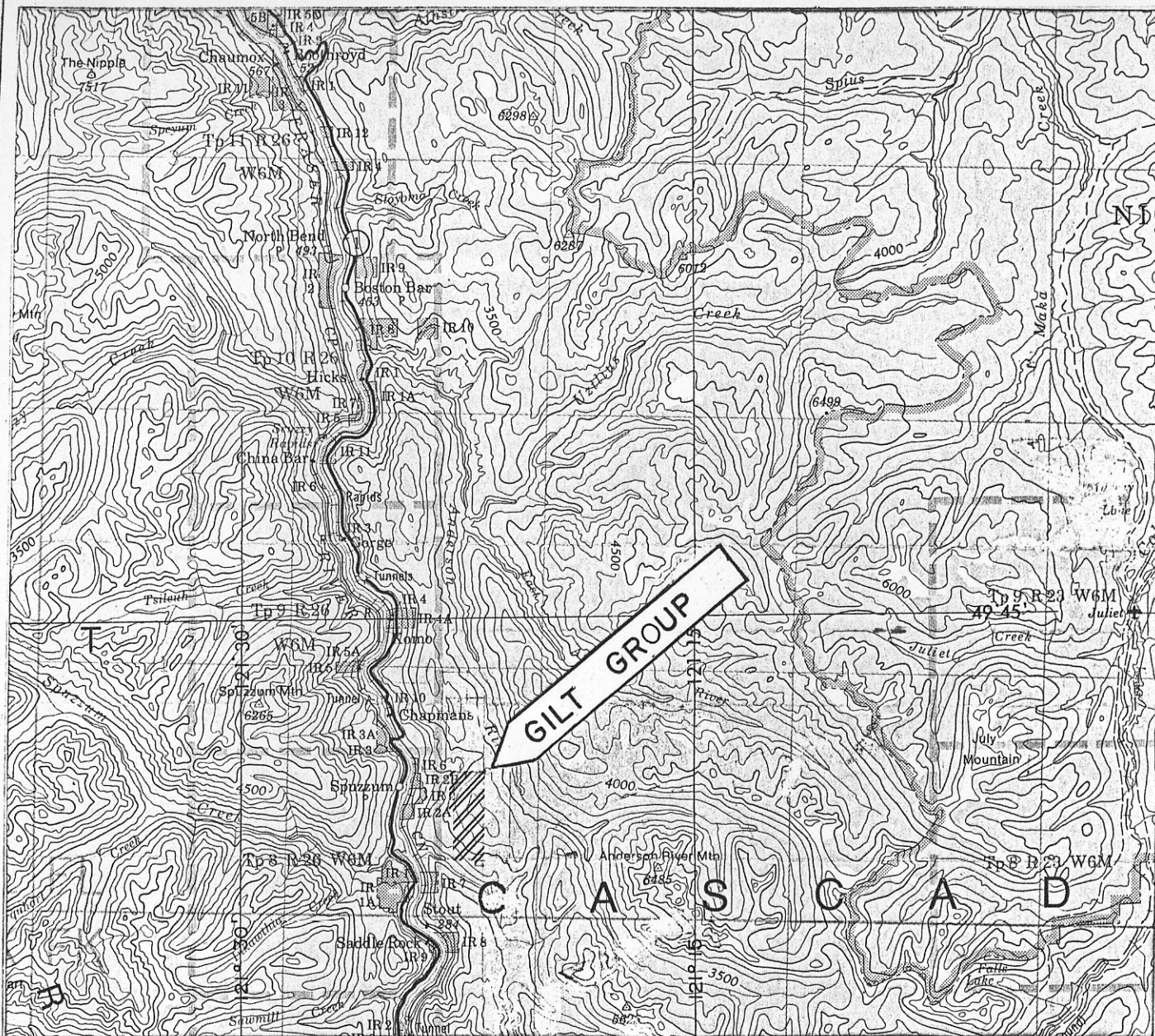


B. LOCATION AND ACCESS

The Mike, C.G., Julie and Gilt claims are located approximately two (2) kilometres southeast of Spuzzum, and the Fraser River Canyon, and about thirty two (32) air kilometres from Hope, B.C. Normal access is by truck (preferably with radio with Cattermoles frequency) departing easterly from the east end of the Alexandria Bridge (Trans Canada Highway) and progressing south on Hidden Creek logging road, turning east on Gilt Creek secondary logging road, travelling northeast for approximately two (2) kilometres and finally turning south on the B.C. Hydro powerline right - of-way for another two (2) kilometres. The most facile access is by helicopter charter service available in Hope, B.C.

The N.T.S. code for the area is 92H/11W, latitude 49° 40' and longitude 121° 23'.



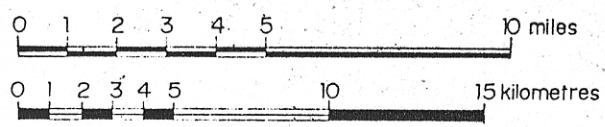


AQUARIUS RESOURCES LTD.

GILT GROUP **SPUZZUM, B.C.**
NEW WESTMINSTER M.D. **N.T.S. 92H/11W.**

Figure
 Location Map **Figure 1**

Scale : 1 to 250,000 or 1 inch equals approx. 4. miles.



British Columbia
 CANADA

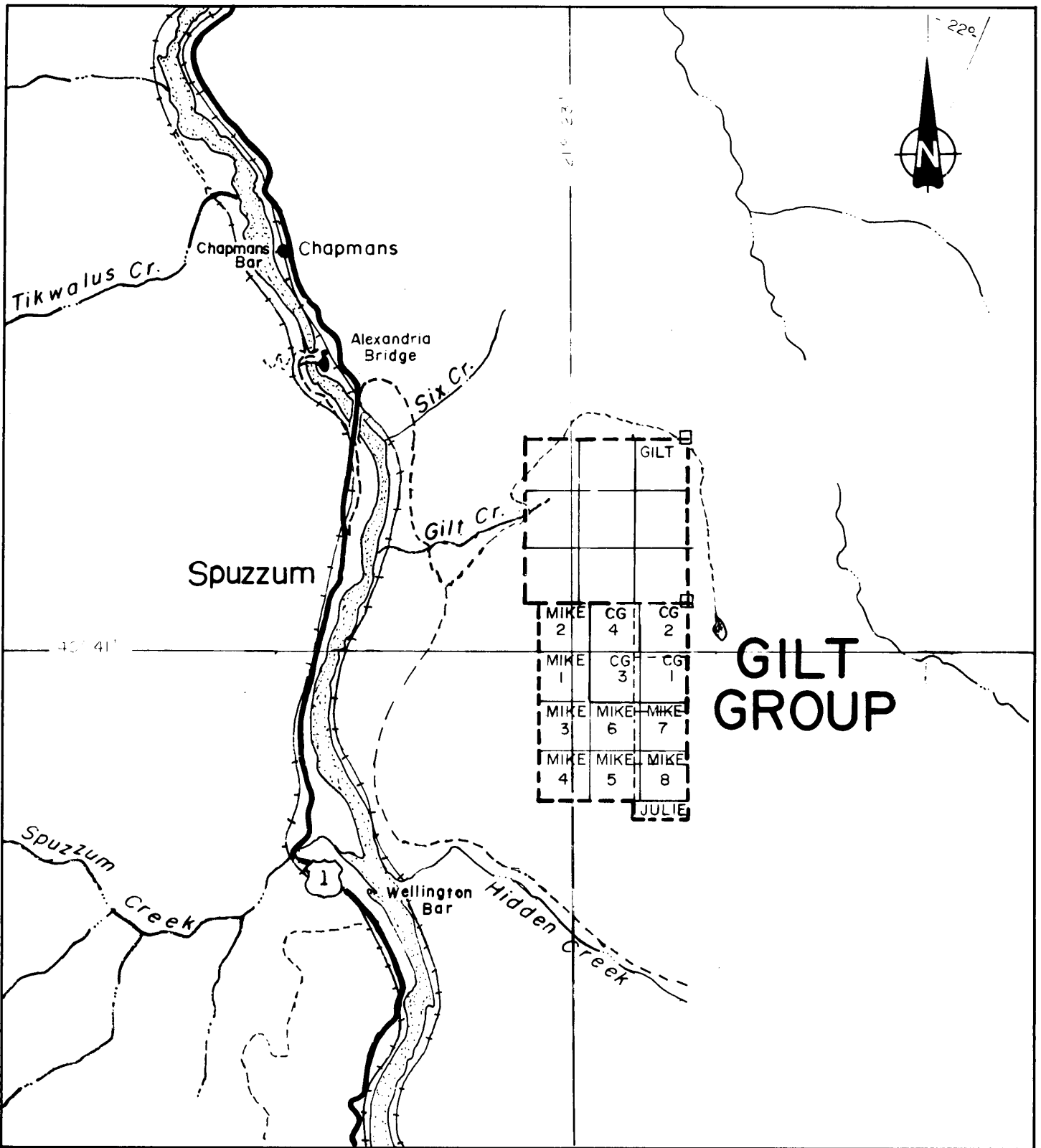
LDL. NOVEMBER / 80

Cochrane Consultants Limited
 6887 Delta St. Delta B.C. V4M 2T8 244 9321.

C. PROPERTY INFORMATION

The Gilt Creek Group consists of twelve (12) two post claims, one four unit M.G.S. claim, and one nine unit M.G.S. claim, owned by Aquarius Resources Ltd., of 1002 - 475 Howe St., Vancouver, B.C., and located in the New Westminster Mining Division. The following table lists pertinent claims information.





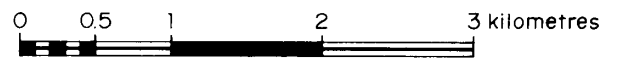
GILT GROUP



AQUARIUS RESOURCES LTD.
 GILT GROUP SPUZZUM, B.C.
 NEW WESTMINSTER MINING DIVISION.
 N.T.S. 92 H/11W.

Claims Map Figure 2

Scale 1:50,000



Cochrane Consultants Limited
 4882 Delta St. Delta, B.C. V4K 2T8 946-9221

L.D.L. NOVEMBER/80

D. GENERAL GEOLOGICAL SETTING

The Mike, C.G. and Julie claims straddle the Hozameen Fault, a major structural lineament which lies along the western margin of the Methow Graben, a prominent geological feature of the Northern Cascade Range of Washington and British Columbia. The structural and lithological complex is comprised of north-south trend of sheared serpentine and ultramafic rock of unknown age separating younger (Jurassic) Ladner Slate Group to the east of the fault from older (Paleozoic) Hozameen Group rocks.

The complex makes up the Coquihalla Gold Belt of Southern British Columbia, a historic metallogenic belt characteristic of lode gold occurrences. Much of the gold within the belt is spatially related to the Hozameen Fault structure and is known to occur in shear zones and veins as high grade low tonnage deposits, or in breccia and replacement zones as low



grade high tonnage deposits, such as the Carolin
Mines ore deposit.



E. FIELD MAPPING PROCEDURES

Much of the mapping was done by using existing gridlines as control and areas outside the gridlines pace and compass mapping was carried out. A reconnaissance scale of 1:5,000, one (1) centimetre to fifty (50) metres, was used and all the rock outcrops encountered mapped and plotted with the rock types identified.

Approximately 70% of the claims are masked by shallow overburden and tree cover, as a result coloured air photographs at a scale of 1:15,000 were also used to identify fault structures and other geological features.



F. GEOLOGICAL FINDINGS

The rock types encountered primarily consist of argillite, slate with interbedded lithic wacke and grey wacke of the Ladner Slate Series, intruded by fine grain to medium grain diabase and diorite sills and a small dioritic plug. This sedimentary and igneous package is in fault contact with intensely foliated slatey chert and silicified rock associated with abundant quartz veinlets and minor silicified greenstone. This latter sequence of rocks make up the Hozameen Group. The fault contact hosts a small lense of sheared serpentine and altered peridotite and is structurally and geologically similar to the Hozameen Fault found south of the claims.

The trend of both the fault structure and rock units strike north 25° west. The Ladner Slates dip 60° - 70° west and the dip of the Hozameen Group is also steeply to the west. Very little mineralization was noted, occasional pyrite and pyrrhotite were found in mafic sills and



and slates and minor arsenopyrite in siliceous cherty rock. Two (2) rock samples consisting of quartz, arsenopyrite and pyrite were analyzed for gold and assayed \leq 0.002 oz./ton.



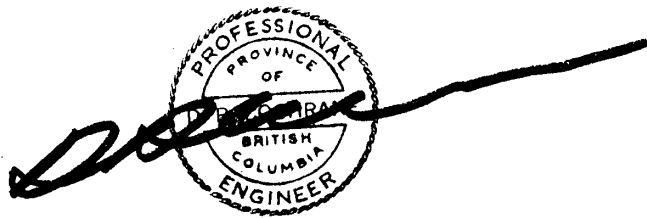
G. CONCLUSION

The Hozameen Fault structure trends northwest - southeast through the eastern portion of the claims (in particular the C.G. claims) with younger (Jurassic) Ladner Slate on the east side of the fault and the older (Paleozoic) Hozameen Group on the west. The geology is similar and is believed to be part of the Coquihalla Gold Belt system except that the serpentine is very limited only occurring as a small isolated lense in the north eastern part of the claims.

Mineralization is very limited and only minor pyrite, pyrrhotite and arsenopyrite were noted, two (2) rock samples collected assayed $\frac{1}{2}$ 0.002 oz./ton gold. The claims have extensive tree cover and overburden, it is possible that closer traverses might encounter more rock outcrop and mineralization but it is evident that serious reconsideration and close re-examination of the potential or lack of potential of the claims is required prior to the next assessment work.



Respectfully submitted,

A circular professional seal for the Province of British Columbia, Engineer. The seal is crossed out with a large, dark, handwritten signature that extends across the seal and to the right.

D. R. Cochrane, P. Eng.,
Cochrane Consultants Ltd.,
Delta, B. C.,
October 24, 1980.

A handwritten signature in black ink, appearing to read "D. G. Cardinal".

Daniel G. Cardinal, P. Geol.,
Aquarius Resources Ltd.,
Vancouver, B. C.,
October 24, 1980.



APPENDIX I

CERTIFICATE

I, Daniel G. Cardinal of the Municipality of Hope, British Columbia, do hereby certify that:

I am a professional geologist, residing in Hope, British Columbia, mailing address, P. O. Box 594, Hope, British Columbia, V0X 1L0.

I am a graduate of the University of Alberta (1975) with a B. Sc. degree in Economic Geology and a graduate of the Northern Alberta Institute of Technology with a Geological Technologist diploma (1970).

I am a member in good standing of the Association of Professional Engineers, Geologists and Geophysicists of Alberta, and a member of the Canadian Institute of Mining and Metallurgy. Application is in progress for membership to the Association of Professional Engineers of British Columbia.

Since 1968, I have been actively involved in the Canadian mining industry both as a prospector and a professional geologist, and have assisted and instructed prospector's courses through the Department of Extension University of Alberta.

I am presently employed by Aquarius Resources Ltd., as a permanent staff geologist, to systematically carry out geological mapping, prospecting, also assisting a geochemical, geophysical and drilling program.

A handwritten signature in black ink, appearing to read "D. G. Cardinal". The signature is written in a cursive, somewhat stylized font.

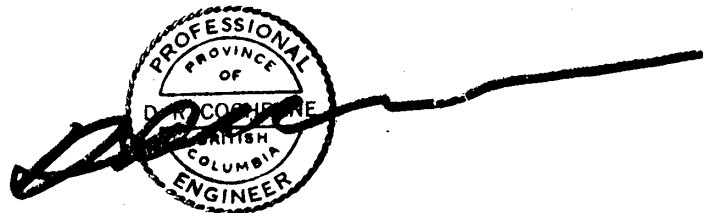
Daniel G. Cardinal, P. Geol.,
October 24, 1980.

APPENDIX I
(cont'd)

CERTIFICATE

I, Donald Robert Cochrane of the Municipality of Delta, British Columbia, do hereby certify that:

1. I am a consulting geological engineer with an office at 4882 Delta Street, Delta, B. C.
2. I am a graduate of the University of Toronto (1962) with a degree in Applied Geology (B.A.Sc.) and a graduate of Queen's University (1965) with a Master of Science Degree in Geological Sciences (Engineering).
3. I have practiced my profession continuously since graduation while being employed by such companies as Noranda Exploration Co. Ltd., Quebec Cartier Mines, and Meridian Explorations Syndicate. I have been in private independent practice since 1969.
4. I have no interest, either direct or indirect in the properties or securities of Aquarius Resources Ltd., nor do I expect to acquire any such interest.
5. I am a member in good standing of the Association of Professional Engineers (A.P.E.) of the Province of British Columbia, and also a member of the A.P.E. in the province of Ontario, Saskatchewan, Alberta and the Yukon Territories.



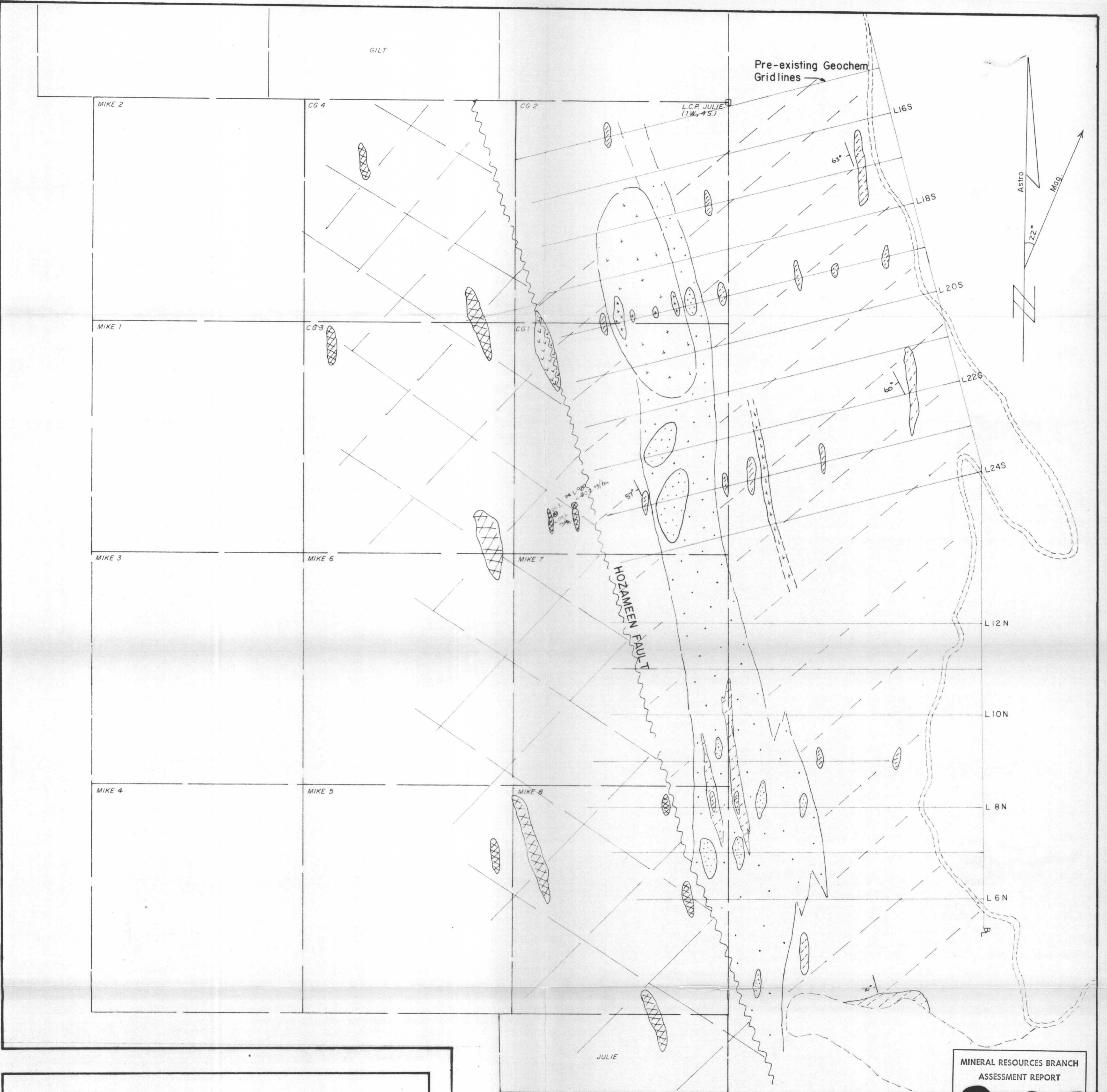
D. R. Cochrane, P. Eng.,
October 24, 1980,
Delta, B. C.

APPENDIX II

ASSESSMENT WORK DETAILS

D.G. Cardinal, P. Geol., Sept. 10 to 14, 1980	
4 days at \$150.00/day	\$ 600.00
Prospector, Sept. 10 to 14, 1980	
4 days at \$120.00/day	480.00
D.R. Cochrane, P. Eng., 1/2 day	
at \$300.00/day	150.00
D.G. Cardinal, P. Geol., 1 day	
at \$150.00/day	150.00
Food and Accomodation, 8 man days	
at \$22.50/man day	180.00
Vehicle Expense, 4 days at \$27.50/day	110.00
434 km at \$0.18/km	78.12
Drafting, 34 hours at \$17.50/hour	595.00
Typing and Office, 7 1/2 hours at \$12.00/hour	90.00
Reproduction, Collating, Binding	<u>152.38</u>
TOTAL.....	\$2,585.50





AQUARIUS RESOURCES LTD.

*Gilt Creek Group Spuzzum, B.C.
New Westminster M.D. N.T.S. 92H/11W*

Scale 1:5000
0 50 100 150 200 400 600 800m
To accompany a report by D.G. CARDINAL, P. Geol., & D.R. COCHRANE, P. Eng., on Gilt Creek Group, October 24, 1980.

RECONNAISSANCE GEOLOGY FIG. 3

Legend:

- Argillite and Slate
- Lithic Wacke
- Chert, Siliceous Greenstone Quartz, Slate
- Serpentine, Altered Pyroxenite
- Diorite, Diabase, Minor Greenstone
- Ladner Slate (Jurassic)
- Hozameen Group (Paleozoic)

RECONNAISSANCE GEOLOGY

- Rock Outcrop
- Strike / Dip
- Fault
- Rock Sample (DCI-980)
- Road

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
8535
NO.

D.G. Cardinal