

78-#520-#7108

Assessment Report

on the

WA 1 and 2 CLAIMS

New Westminster Mining Division

on behalf of

AQUARIUS RESOURCES LIMITED

Report by

G. H. Giroux, P. Eng.

December, 1978



Cochrane Consultants Limited
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Geotechnical Consulting / Exploration Services

geology
geophysics
geochemistry

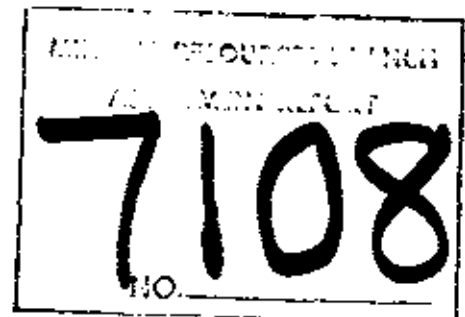


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1.0 INTRODUCTION

This report is written for Aquarius Resources Ltd. on the WA 1 and 2 mineral claims situated on Wahleach Creek in the New Westminister Mining Division.

The report describes a reconnaissance geochemical survey completed during the period September 6 to 14, 1978.

The data was analyzed and this report written by the author at the request of Aquarius Resources Ltd.

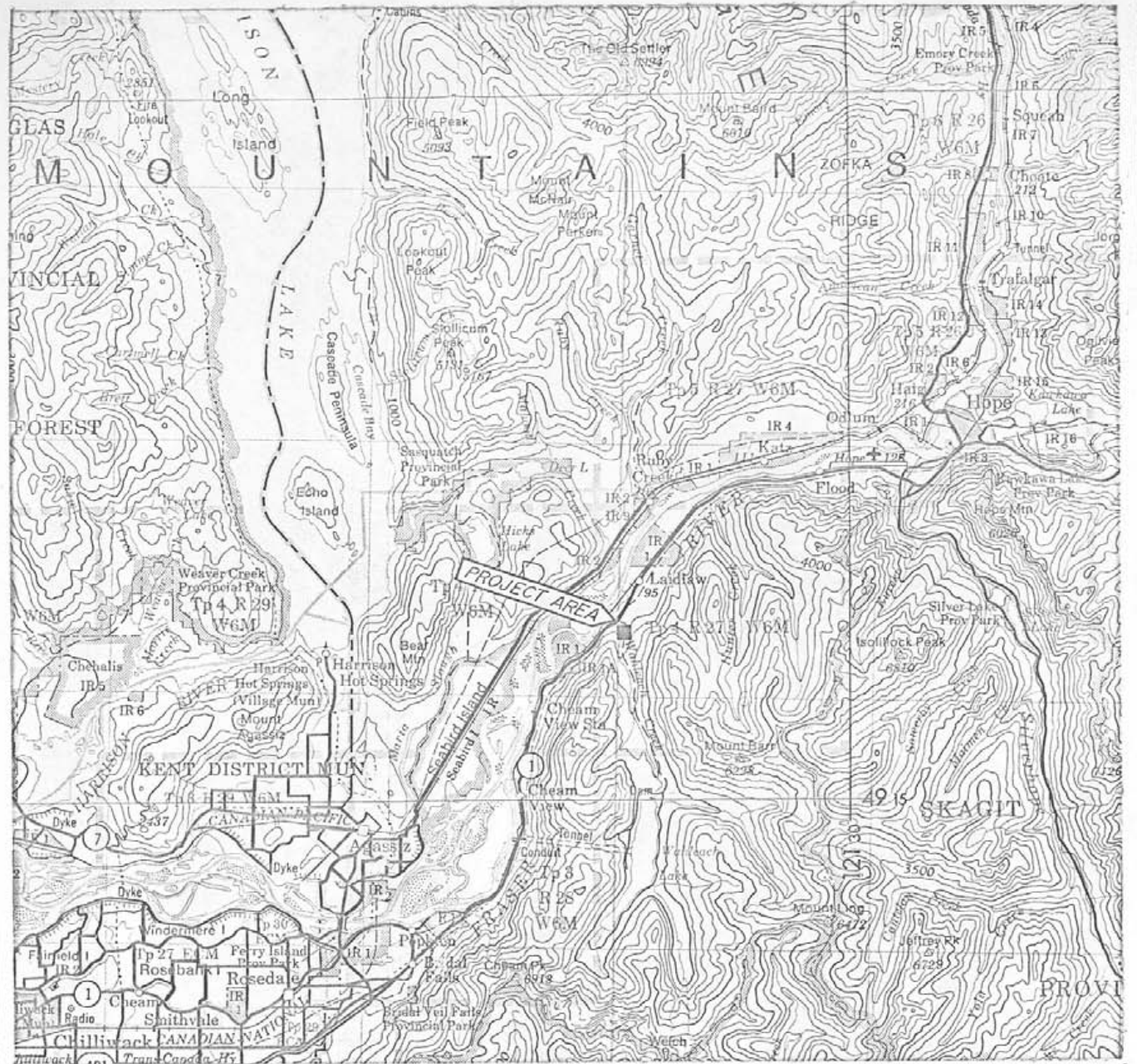


2.0 SUMMARY AND CONCLUSIONS

Aquarius Resources Ltd. holds title to the WA 1 and 2 mineral claims both containing 3 units. The claims are situated on Wahleach Creek, New Westminster Mining Division, British Columbia.

During the period September 6 to September 14, 1978 a reconnaissance geochemical survey was completed on the WA 1 and WA 2 mineral claims. Soil samples were taken at 25 meter spacing along claim lines. The samples were analyzed for gold. Two areas with results higher than background were found, one on line 500 S and one on the south east corner of WA 2.

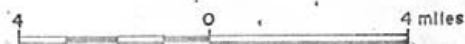




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Wahleach Group (Wa 1 & 2 Claims) Laidlaw, B.C.
 New Westminster Mining Division 92H/5 E.
LOCATION MAP Figure 1

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



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3.0 LOCATION AND ACCESS

The WA 1 and WA 2 mineral claims are located on Wahleach Creek, some 15 kilometers south west of Hope, British Columbia, in the New Westminster Mining Division. N.T.S. map reference is 92H/5E; Latitude $49^{\circ}18'N$; Longitude $121^{\circ}37'W$.

Access to the property is by a dirt road turning south off Trans Canada Highway (No. 1) 2 kilometers south west of Laidlaw.

4.0 CLAIM INFORMATION

The WA Group of mineral claims consists of the WA 1 and WA 2, both 3 unit mineral claims. The following table summarizes the claim information:

<u>CLAIM</u>	<u>RECORD NO.</u>	* <u>EXPIRY DATE</u>
WA 1 (3 units)	240	Nov. 9, 1981
WA 2 (3 units)	241	Nov. 9, 1981

* after Assessment credits





LEGEND

CENOZOIC Tertiary Miocene & Earlier

24 Granodiorite, quartz diorite.

PALEOZOIC Pennsylvanian & Permian Chilliwack Group

2 Basic volcanic rocks & pelites.

Ultramafic Rock

Ab pyroxenite.

23 x Blue Chip



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Wahleach Group (Wa 1 & 2 Claims) Laidlaw, B.C.
 New Westminster Mining Division 92H/5 E.
REGIONAL GEOLOGY Figure 3

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



From G.S.C. Map 12-1969, Paper 69-47.

B.A.C., Jan. 79

5.0 REGIONAL GEOLOGY

The geology of the area was described by J.W.H. Monger (G.S.C. Paper 69-47). (see figure 3). The oldest rocks in the claim area are basic volcanics and pelites of the Lower Pennsylvanian to Lower Permian Chilliwack Group. East of Wahleach Creek these rocks are intruded by the Late Cretaceous quartz diorites that form the southern exposure of the Spuzzum Pluton. (McTaggart and Thompson (1967)). A small pyroxenite intrusive forms the west bank of Wahleach Creek and lies along a north-south trending fault.

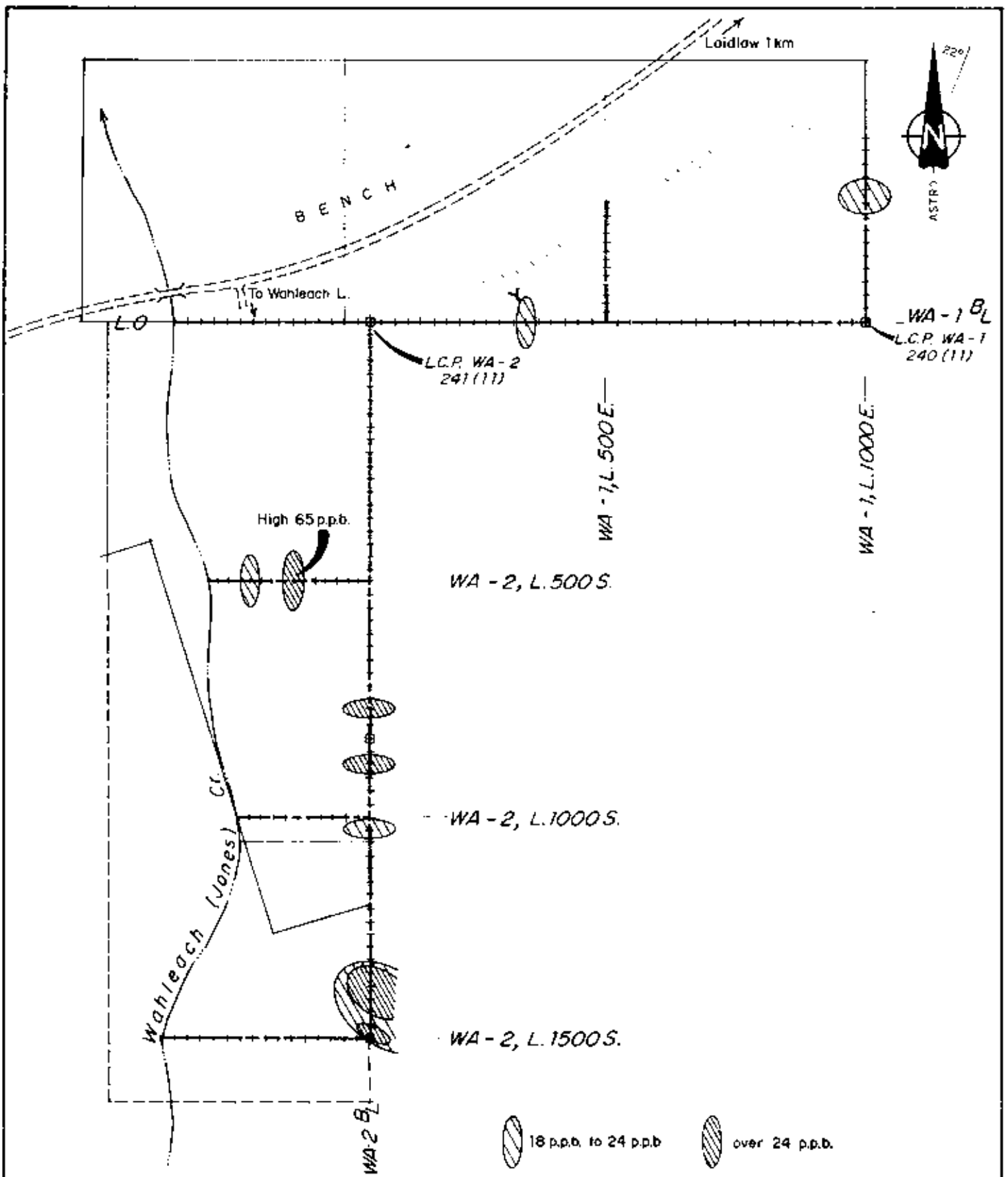
6.0 HISTORY

The earliest published data concerning the claim area is recorded in the Annual Minister of Mines Report for the year 1957. The claims, called Blue Chip, were just east of the WA 1 and WA 2 claims (see figure 3 No. 23). A showing in diorite consisting of narrow stringers containing pyrrhotite, arsenopyrite and chalcopyrite striking north 34 degrees east and dipping about 15 degrees northwest was reported. The stringers had been explored earlier with open-cuts and short tunnels but no details are given in earlier reports. Two (2) trial shipments of vein material totalling 3,280 pounds were made in 1957 to the Tacoma smelter.



From 1964 to 1970 this ground was called the Diane claims and held by Almaza Mining Co. Ltd. They reported quartz veins in granodiorite which intrudes steeply dipping metasediments of the Chilliwack Group. From 1968-1970 work consisted of 1 diamond drill hole 1,493 feet and 90 feet of underground development.





1:10,000

0 50 100 200 300 400 500m

BASE MAP FROM FIELD SKETCH BY A.B., SEPT '78

B.A.C., OCT '78



Cochrane Consultants Limited
487 Cochrane Dr. Delta B.C. V9A 3T8 (604) 921-1111

- Claim Line
- Located Post
- - - Cut Line & Station



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Wahleach Group (Wa 1 & 2 Claims) Laidlaw, B.C.
New Westminster Mining Division 92H/5 E.
GEOCHEMICAL PLAN (Au, p.p.b.) Figure 5

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Whitech Group (W.A. 182 Claims) Laidlaw B.C.
 New Westminster Mining Division 92H/5-E

ARITHMETIC HISTOGRAM
 FOR GOLD VALUES, FIGURE 5

G.H.G. Dec. '76

NUMBER OF SAMPLES

100

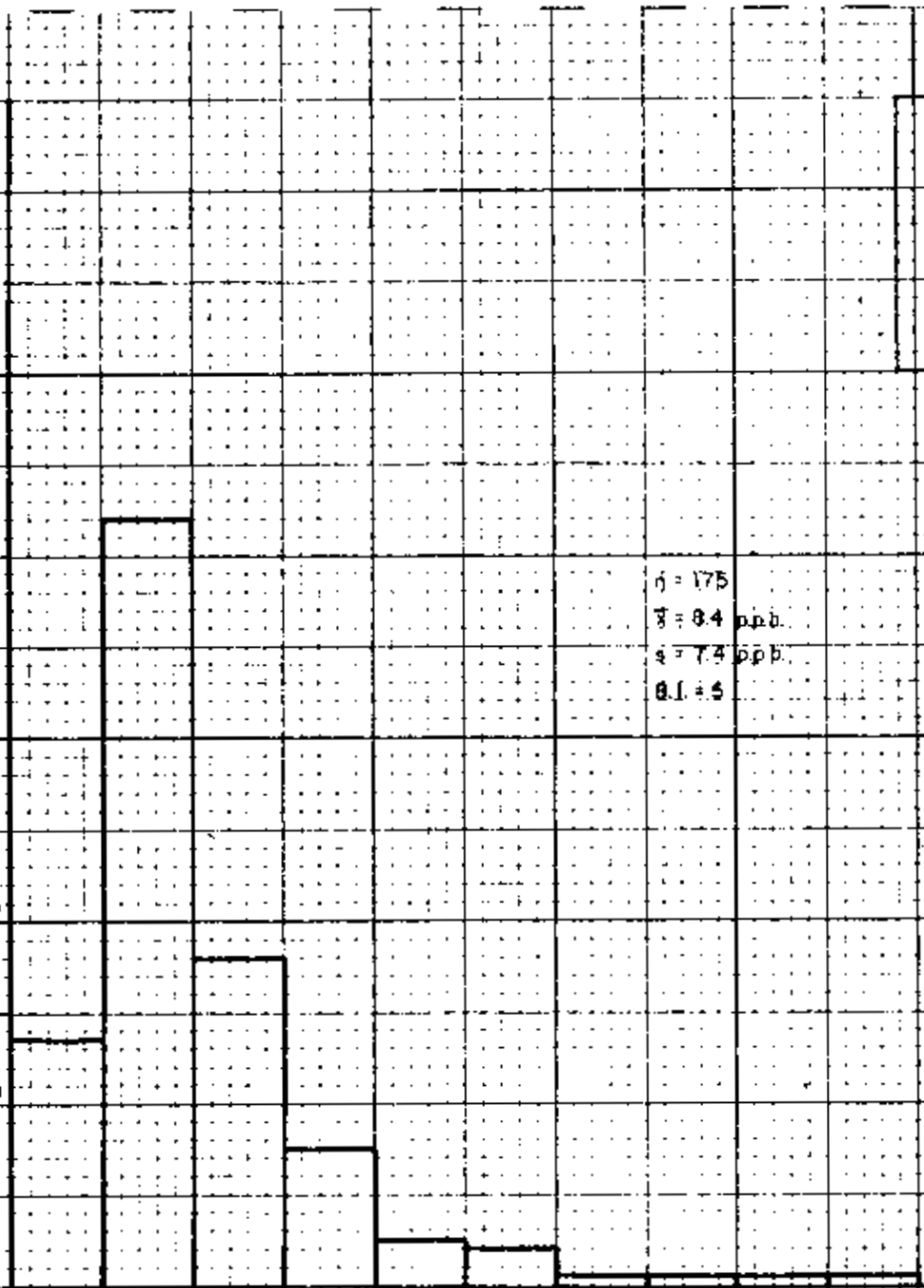
80

60

40

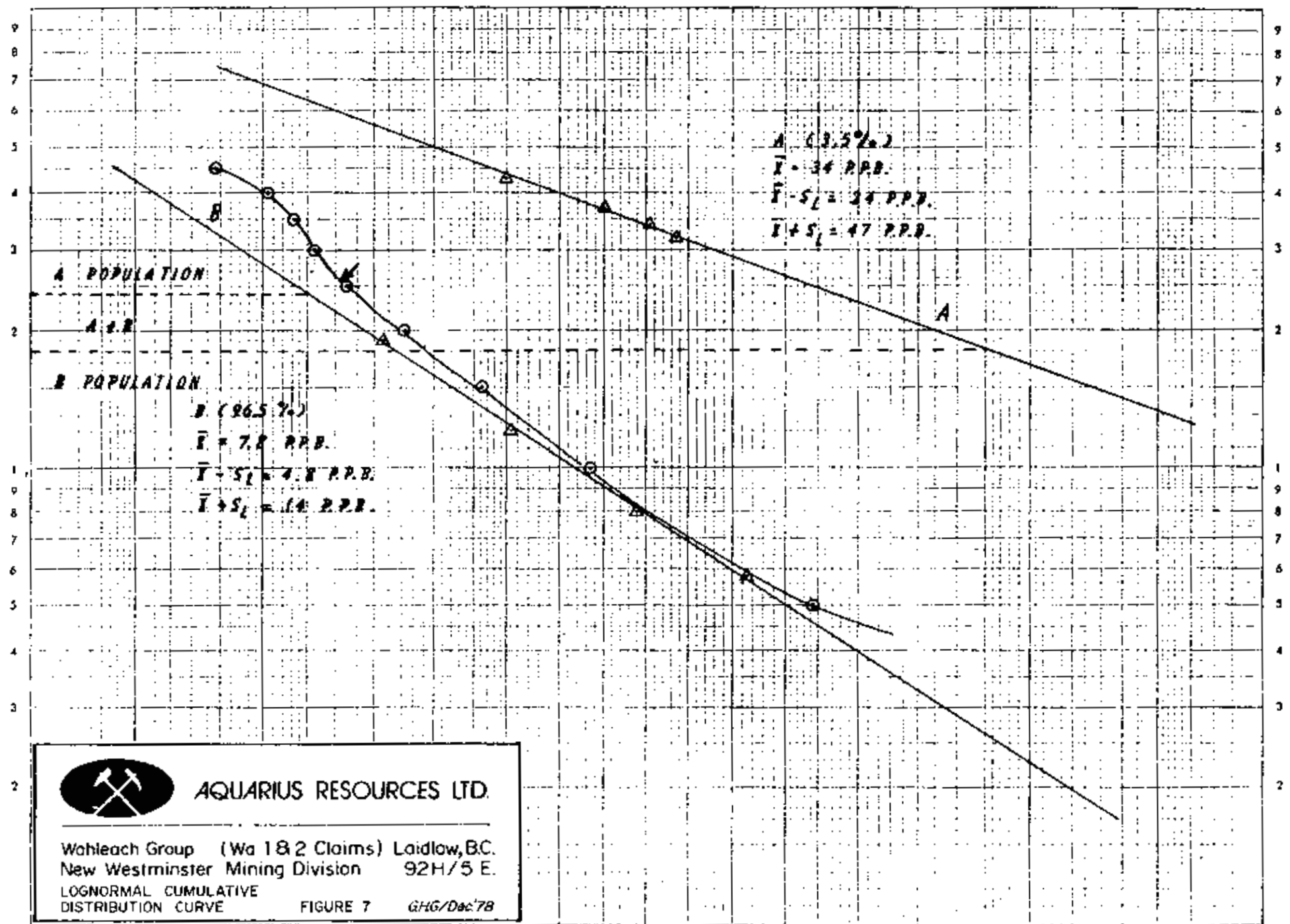
20

$\bar{x} = 17.5$
 $\bar{s} = 8.4$ ppb.
 $s = 7.3$ ppb.
 $S.I. = 5$



GOLD IN P.P.B.

99.99 99.9 99.5 99 98 95 90 80 70 60 50 40 30 20 10 5 2 1 0.5 0.2 0.1 0.05 0.01



A (3.5%)
 $\bar{I} = 34$ P.P.B.
 $\bar{I} - S_L = 24$ P.P.B.
 $\bar{I} + S_L = 47$ P.P.B.

B (96.5%)
 $\bar{I} = 7.8$ P.P.B.
 $\bar{I} - S_L = 4.8$ P.P.B.
 $\bar{I} + S_L = 14$ P.P.B.



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Wahleach Group (Wa 1 & 2 Claims) Laidlaw, B.C.
 New Westminster Mining Division 92H/5 E.

LOGNORMAL CUMULATIVE DISTRIBUTION CURVE
 FIGURE 7 GHG/Dec'78

0.01 0.05 0.1 0.2 0.5 1 2 5 10 20 30 40 50 60 70 80 90 95 98 99 99.5 99.8 99.9 99.99

7.0 GEOCHEMICAL SURVEY

A reconnaissance soil geochemical survey was completed on the WA 1 and WA 2 claims between the dates September 6 to September 14, 1978. Soil samples were taken every 25 meters along claim lines. The samples were then tested for gold by Au-Aqua Regia, Atomic Absorption Analysis at Min-En Laboratories Ltd. of North Vancouver.

The 175 gold values range from the detection limit of <5 ppb to 65 ppb with an arithmetic mean of 8.4 ppb and a standard deviation of 7.4. (ppb = parts per billion).

The cumulative probabilities of the data were plotted on a Log Probability plot (see figure 5). A smooth curve drawn through the plotted points has the form of a non-intersecting bimodal distribution with an inflection point at 3 percentile. The data was then partitioned into 2 populations: an A population consisting of $(.035 \times 175) = 6$ values with a mean of 34 ppb and a B population consisting of $(.965 \times 175) = 169$ values with a mean of 7.8 ppb. Using the probability graph it is possible to group individual assay values as to population and then contour these populations. In this case, the lower 2 percentile of the



A population (18 ppb Au) and the upper 2 percentile of the B population (24 ppb Au) were used as thresholds. Because only 2 percent of the A values (less than 1 in this case) occur below 18 ppb Au all values less than 18 can be considered B population. By the same reasoning all values above 24 ppb can be considered A population. The values between 18 and 24 contain representatives of both populations. The values in Figure 5 were therefore contoured at 18 and 24 ppb.



8.0 COST ESTIMATE

PERSONNEL:

Field Person Sept. 6, 7, 8, 11, 1978; 4 days
@ \$50/day \$ 200.00

Field Person Sept, 6, 7, 8, 11, 13, 14, 1978
6 days @ \$60/day \$ 360.00

Prospector Sept. 14, 1978; 1 day @ \$90/day \$ 90.00

Supervisor Sept. 6, 7, 8, 11, 12, 13, 14; 7 days
@ \$100/day \$ 700.00

Accommodation:

18 man days @ \$20/day \$ 360.00

Geochemical Analysis:

175 samples @ \$4.40/sample \$ 770.00

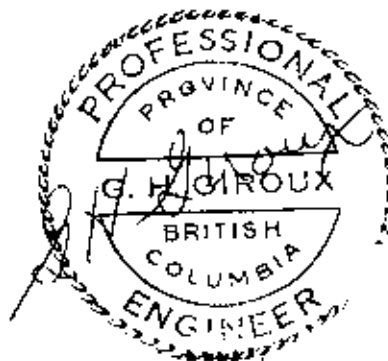
Vehicle Expense

Mileage, 180 miles @ 25¢/mile \$ 45.00

Drafting

25 hours @ \$12/hr \$ 300.00

Total..... \$2,825.00



9.0 CERTIFICATE

I, Garry H. Giroux of 982 Broadview Dr., North Vancouver, British Columbia, do hereby certify that:

1. I am a consulting geological Engineer with an office at 211-850 West Hastings Street, Vancouver, British Columbia.
2. I am a graduate of the University of British Columbia (1970) with a degree in Geological Engineering. (B.A. Sc.)
3. I have practiced my profession continuously since graduation.
4. I have no interest, either direct or indirect in the properties or securities of Aquarius Resources Ltd., nor do I expect to receive any such interest.
5. I am a member in good standing at the Association of Professional Engineers of the province of British Columbia.

G. H. Giroux
G. H. Giroux, P. Eng.
982 Broadview Dr.,
North Vancouver, B.C.
January, 1979



A circular seal for the Professional Engineers of the Province of British Columbia. The outer ring contains the text 'PROFESSIONAL ENGINEERS OF THE PROVINCE OF BRITISH COLUMBIA'. The inner circle contains the text 'PROFESSIONAL ENGINEER OF BRITISH COLUMBIA'. The name 'G. H. GIROUX' is stamped across the center of the seal.



10.0 BIBLIOGRAPHY

B. C. Department of Mines - 1957, p.66, 1968, p. 32;
1969, p. 198; 1970, p. 249. - Minister of Mines Annual
Report.

Monger, J.W.H.

1969 "Hope Map Area, West half British Columbia;
GSC Paper 69-47.

