

ARIS SUMMARY SHEET

District Geologist, Vancouver

Off Confidential: 94.11.19

ASSESSMENT REPORT 23306

MINING DIVISION: New Westminster

PROPERTY: LD
LOCATION: LAT 49 20 20 LONG 121 51 00
UTM 10 5465546 583543
NTS 092H05W

CAMP: 020 Lillooet River - Harrison Lake Belt

CLAIM(S): LD 3-4

OPERATOR(S): Demczuk, L.

AUTHOR(S): Medford, G.A.

REPORT YEAR: 1994, 11 Pages

COMMODITIES

SEARCHED FOR: Gold, Silver

KEYWORDS: Jurassic, Harrison Lake Group, Volcanics, Faults, Breccias, Quartz
Pyrite

WORK

DONE: Prospecting

PROS 12.0 ha

Map(s) - 1; Scale(s) - 1:5000

LOG NO: MAR 1 1 1994 RD.

ACTION.

FILE NO:

Geological Assessment Report

on the

LD3 and LD4 Mineral Claims

Harrison Lake Area
New Westminster M.D.

N.T.S. 92H/5W

Latitude: 49° 20.2' North
Longitude: 121° 51.0' West

for

SUB-RECORDER RECEIVED FEB 18 1994 M.R. # \$ VANCOUVER, B.C.

Owner/Operator
Les Demczuk
1835 E. 13th Avenue
Vancouver, B.C.

By

Gary A. Medford, Ph.D., P.Geo.
3894 West 37th Avenue
Vancouver, B.C.
V6N 2W3

FILED

January 10, 1994

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

23,306

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Map 1: Geology (in pocket) ✓

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Summary

The LD3 and LD4 claims are underlain by andesites of the Harrison Lake group. A traverse made along the creek cutting through reveals coincident, brecciation, silicification and pyritization of the andesites, and local carbonate or quartz vein development.

Introduction

Reconnaissance mapping was carried out on the LD3 and LD4 claims in light of the Seneca massive sulphide mineralization some 3 km to the west and extensive gold and silver anomalies found on the LD 1-2 claims bordering on the south. The objective was to extend information obtained in the 1991 geochemical and mapping program (Cooke, 1991) on the LD1 and LD2 claims.

Property

The property consists of the LD3 and LD4 2-post mineral claims. The government claim data is as follows:

Claim	Units	Rec. Number	Due Date
LD3	1	236405 or 4155	January 17, 1994
LD4	1	236406 or 4156	January 17, 1994

Les Demczuk of Vancouver, B.C. is the recorded owner of both claims.

Location and Access

The LD3 and LD4 claims are located on the southwest side of Harrison Lake in the New Westminster Mining Division. The claims are situated approximately 10 km northwest of Harrison Mills and 4 km northwest of the town of Harrison Hot Springs, B.C.

The claims may be reached by 12 km of gravel road (the Weaver Creek Provincial Park road) that joins Highway 7 at Harrison Mills, B.C. The property is 90 km from Vancouver B.C. The claim line roughly follows the creek draining Francis Lake.

History of the Property

The LD1 and LD2 claims bounded to the southeast (Cooke, 1991) are underlain by similar geology and host extensive gold and silver anomalies.

1993 Exploration Work Program

Reconnaissance mapping was carried out to assess the distribution of rock types and alteration on the property. A mapping traverse was made following the creek for about 600 metres. Distance was measured with a hip-chain. Work was carried out on 13 November, 1993. Map 1 contains geological observations.

Regional Geology and Mineralization

The regional geology has been summarized by Cooke (1991): "The most prominent geological feature of the area is the Harrison Lake fracture system (Figure 3). This is a major northwest trending fault system, which separates older rocks on the east side from younger and contrasting rocks on the west side of Harrison Lake. Pennsylvanian to Permian limestones and sediments (Chilliwack Group) occur, together with gneissic rocks on the east side of Harrison Lake (Ray, 1984, p.43). By contrast the rocks on the southwest side of the fracture system are generally younger and less deformed. These younger rocks consist of a variety of volcanic flows, volcanoclastic and sedimentary rocks of Mesozoic age, intruded by plutonic rocks of granite to diorite composition.

The Harrison Lake Group is the main lithology on the southwest side of Harrison Lake, consisting predominantly of andesites and dacites of Middle Jurassic age. The Fire Lake Group, located northwest of Harrison Lake, is lower Cretaceous in age and consists of coarse and fine-grained sedimentary rocks with a lesser volcanic component.

Precious metal mineralization and hot spring activity are associated with the Harrison Lake fracture system (Figure 3). The gold is hosted by sulphide-bearing quartz veins and stockworks that cut metasedimentary, volcanic and associated quartz diorite and diorite plutons of mid-Tertiary age. Gold occurs in the free state and as silver and bismuth telluride with or without base metals. The three main deposits which have been outlined in the Harrison Lake area by drilling are:

<u>Deposit</u>	<u>Reserves</u>	<u>Au oz/T</u>
RN-Geo	2,400,000 (probable)	0.12
Doctor's Pont	132,000 (probable)	0.10
Seneca	1,660,000 3.63% Cu 1.20 oz Ag/T	

Property Geology

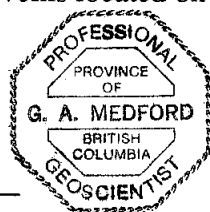
The claims comprise andesites (Harrison Lake Group) as found on the LD1 and LD2 claims to the south. Within the creek intense shearing and silicification has been found locally with associated bleaching of the normally green andesite. Up to one percent finely disseminated subhedral pyrite crystals are common. Some (tectonic?) breccias were noted containing clasts up to 5 cm in size with associated silicification and bleaching to a grey or cream colour. One outcrop contained several 1 cm x 50 cm quartz or carbonate veins. These were located under a 10-15 cm pool of water and not easily sampled. The traverse observations are plotted on Map 1.

Conclusions

Rock sampling is recommended in highly sheared areas to test for precious metal content. Some effort should be made to sample the veins located on this traverse and analyze them for gold and silver.



Gary A. Medford, Ph.D., P.Geol.



References

- Arnold, R.R., 1987, Geological and Geochemical Report on the Jogo Mineral Claim, for Owen Ventures Inc., 11 pp.
- Ashe, D.S., 1975, Assessment - Rye Group - Percussion Drill Holes 1-9, N. Westminster M.D., for Aaron Mining Ltd.
- Cochrane, D.R., 1987, Geophysical Assessment Report...over portions of the Rye and Mad Groups. Weaver Lake/Harrison Lake area, N. Westminster M.D., for Aaron Mining Ltd.
- Cooke, D.L. 1991 Geochemical Assessment Report on the LD 1 and LD 2 Mineral Claim Harrison Lake Area.
- Coveney, C.J. 1975, Assesment Report, Diamond Drill Holes 3,7,8, and 9, Weaver Lake Property, N. Westminster M.D., for Aaron Mining Ltd.
- Friesen, P.S., 1987 Report on the Weaver Lake Property, N. Westminster M.D., for Aaron Mining Ltd.
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- Ray, G.E., 1986, Gold Associated with a Regionally Developed Mid-Tertiary Plutonic Event in the Harrison Lake Area, Southwestern B.C. Ministry of Energy, Mines and Pet. Res., Geological Fieldwork 1985, Paper 1986-1, pp. 95-97
- Ray G.E., 1985, Geological Summaries of Gold Deposits in the Harrison Lake Area, B.C. Dept. of Mines - Summaries of Activities 1981-1989.
- Wright, R.L., 1991 Geology Map and Notes - LD Property, N. Westminster M.D. for Flame Petro-Minerals Corp.

Appendix II

Statement of Exploration Expenses.

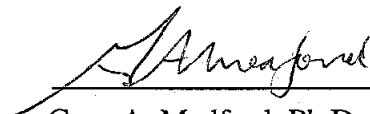
G. Medford, Ph.D., P. Geo.	13 Nov. 93	\$475.00
L.Demczuk, assistant	13 Nov. 93	\$200.00
Truck and fuel		\$100.00
Supplies		\$ 5.00
Report		<u>\$100.00</u>
	Total	\$880.00

Appendix I

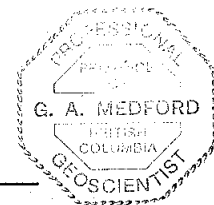
Certificate

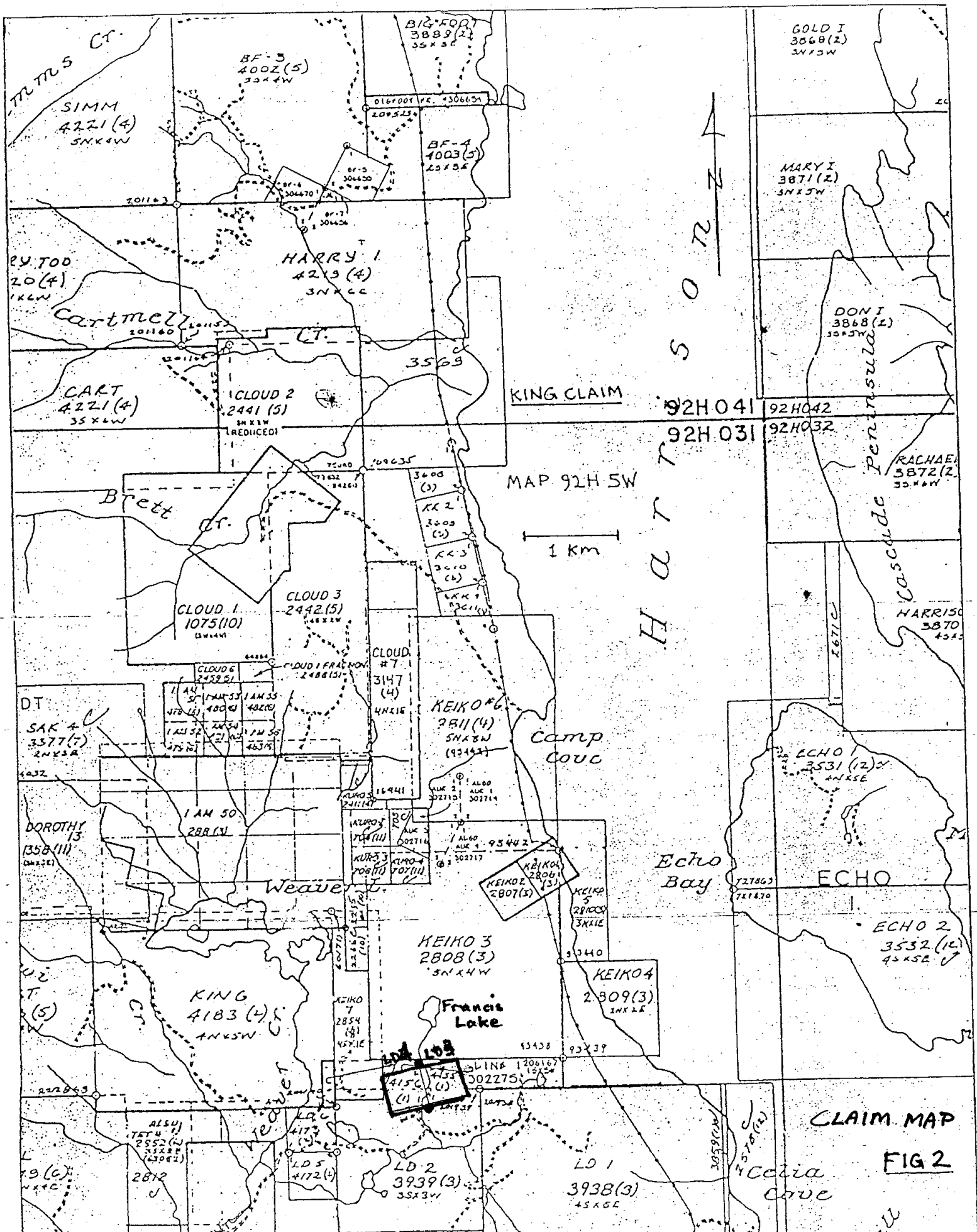
I, Gary A. Medford, with business address at 3894 West 37th Avenue, Vancouver British Columbia, do hereby certify that:

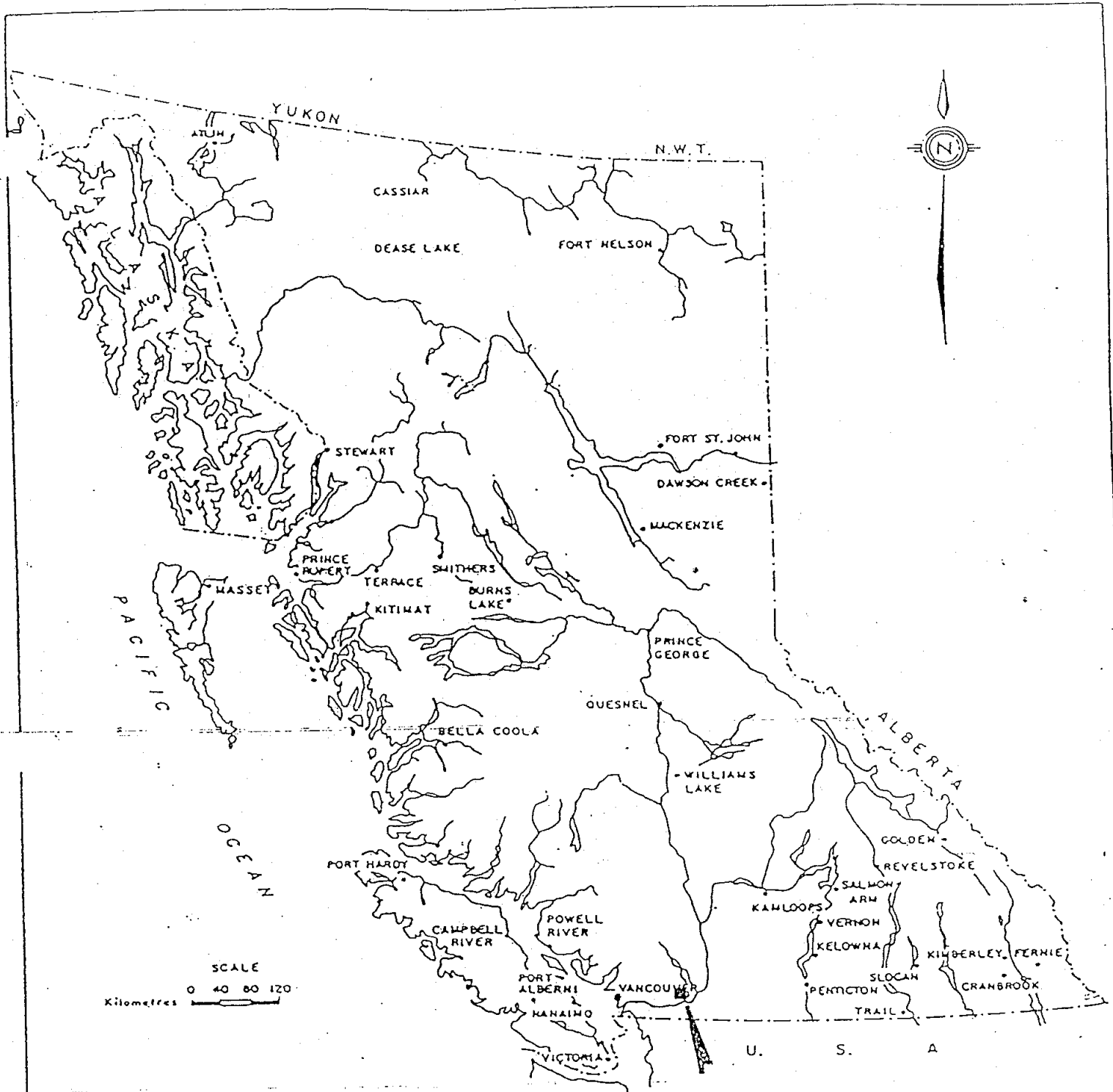
- 1) I am a graduate of McGill University with B.Sc. Honours and M.Sc degrees in geology and have graduated from The University of British Columbia with a Ph.D. in geology.
- 2) I am a Fellow of the Geological Association of Canada.
- 3) I am a Professional Geoscientist registered with the Association of Professional Engineers and Geoscientists of British Columbia.



Gary A. Medford, Ph.D., P. Geo.







LD3, LD4 CLAIMS

HARRISON LAKE AREA

LOCATION MAP
LD3 AND LD4 CLAIMS

New Westminster M.D.

NTS 92H/5W

OWN BY:

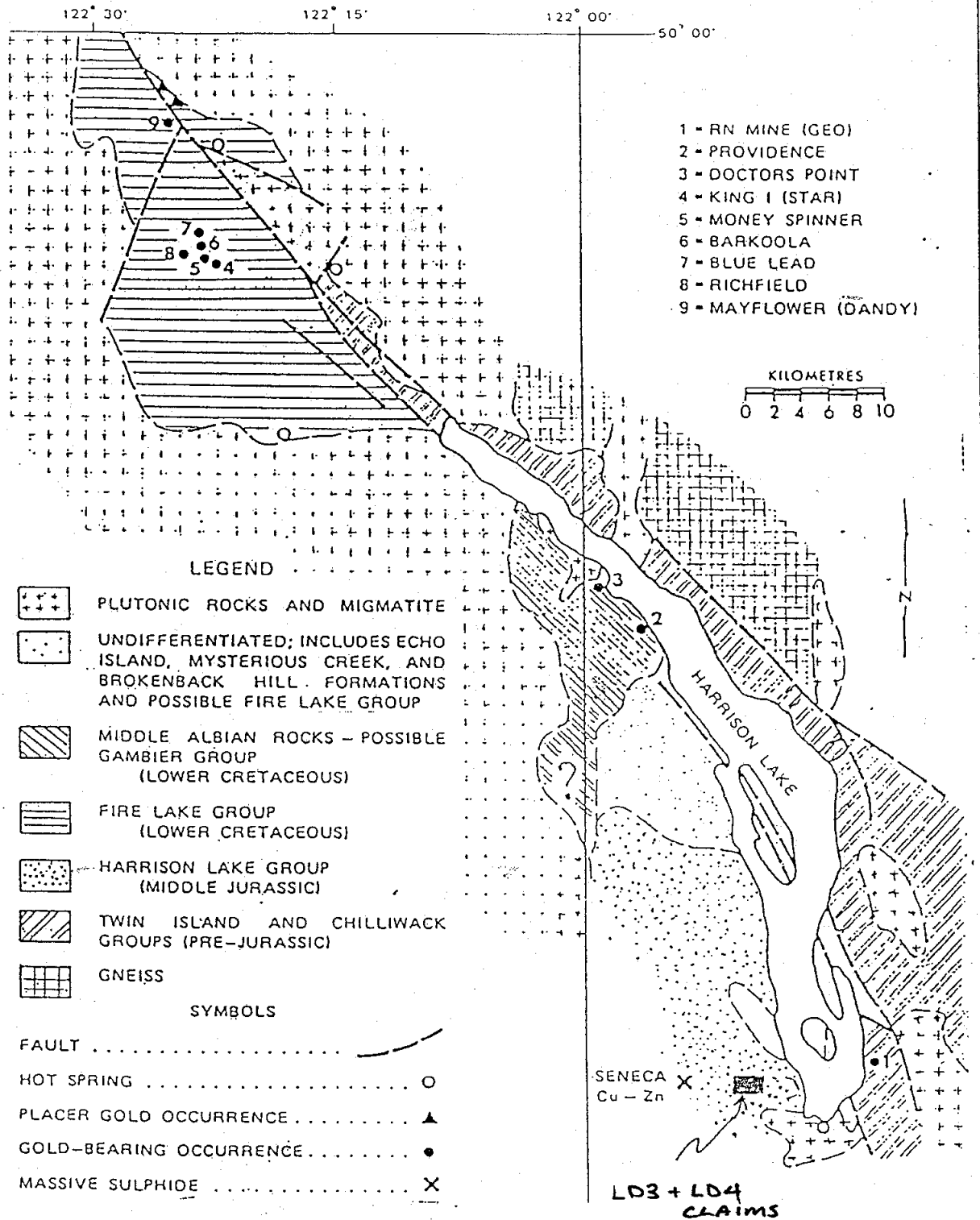


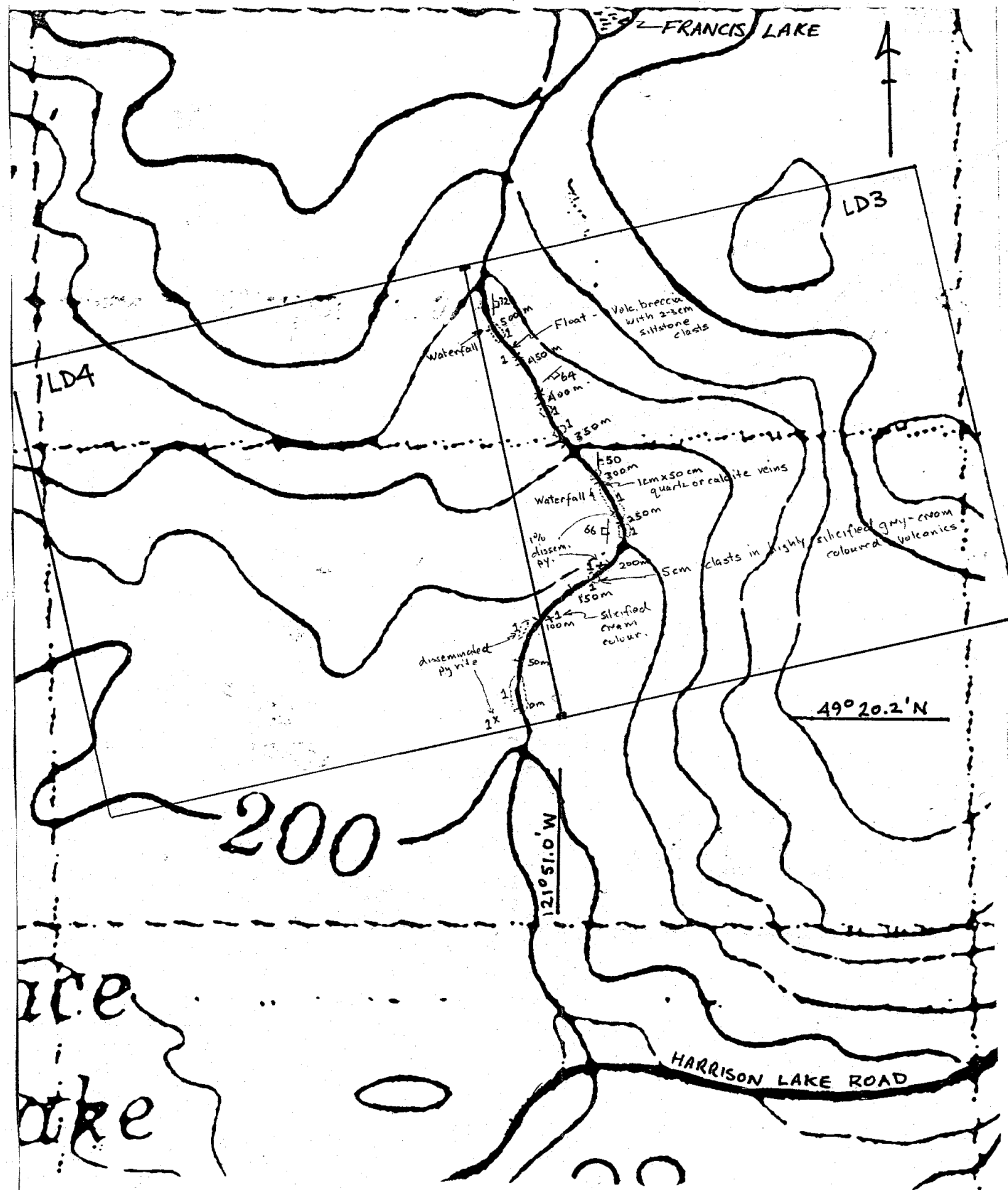
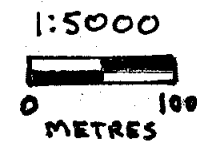
FIG 3

GEOLOGICAL BRANCH
ASSESSMENT REPORT

GEOLOGY
LD3 and LD4
CLAIMS

23,306

N.T.S.
92H 5



1 ANDESITE, HARRISON LK. GP.

◇ - area of outcrop

x - small outcrop

0m, 50m, 100m - chain along creek

MAP I