

85-1068-14715

10/86

Prospecting Assessment Report

on the

RAWHIDE CLAIM GROUP  
(Rawhide 1, 2, 3, & 4)

located

Southwest of Lytton  
Lat.  $50^{\circ}10'N$ ; Long.  $120^{\circ}50'W$   
N.T.S. 92I/4

Kamloops Mining Division

(Fieldwork, September - October, 1985)

FILMED

Report by;

Mr. D.G. Cardinal, P.Geol.

Geologist  
Hope, B.C.  
January, 1986.

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

14,715

*Jan Cardinal*

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## INTRODUCTION

The Rawhide Claim Group was prospected between September and October, 1985. Due to the very hot and dry summer, this area was closed off to prospecting and/or exploration during July and August; an extension till October 31 was granted to the owner to complete assessment work in this area.

General prospecting was conducted, consisting of gold panning along creeks; traverses along logging road cuts and alpine ridges; and examination of old trenches and workings.

LOCATION AND ACCESS

The Rawhide Group of mineral claims is located 20 air kilometers southwest of Lytton, British Columbia. The claims straddle a ridge between North Kwoiek Creek and Kwoiek Creek in the Coast Mountains.

The topography consists of rugged peaks and steep valleys. The tree line is approximately 2000 meters; above which, alpine meadows are found.

Access to the area is via ferry at Lytton or North Bend and then by well maintained access roads to the mouth of Kwoiek Creek. Good summer logging roads cut through the southern and northern portion of the claims.

The main gold workings are situated at about 2200 meter elevation and are presently accessible only by helicopter.

CLAIM INFORMATION

The claims are presently held by the writer and are located in the Kamloops Mining Division and were recorded at the Vancouver Sub-Recorder's office.

Pertinent data is as follows:

| <u>Claim Name</u> | <u>Record No.</u> | <u>No. Units</u> | <u>Expiry Date</u> |
|-------------------|-------------------|------------------|--------------------|
| Rawhide 1-4       | 5849-5852         | 71               | Aug. 28, 1986      |

## BACKGROUND AND HISTORY

The Rawhide Group was first described in the B.C. Minister of Mines report, 1929, and referred to as the Glacier Group. The 1929 report mentions gold workings, including a vein structure traceable for at least 800 ft.. A number of samples collected by the Minister of Mine's geologist, across 2 ft. - 3 1/2 ft., assayed .01 - 0.16 oz./ton gold and 0.4 - 13.2 oz./ton silver.

It has been reported to the writer that high grade gold was "rawhided" from the property with pack horses in the early days (prior to 1929).

The property was subsequently acquired by Aquarius Resources Ltd. in 1977, who staked the ground as the Alpine Group. Because of geological structures similar to those on the Bralorne and Carolin Mines gold camps, Aquarius believed that the property had potential for large tonnage replacement - type deposit(s). Between 1977 and 1982, Aquarius conducted three (3) grassroots programs, on a limited scale. Although arsenic, gold and silver soil anomalies were outlined along with very interesting gold assays, little was done to follow-up the results.

In the fall of 1983, the writer, while consulting for Caara Ventures Inc., discovered a 100 ft. wide quartz/shear zone structure carrying up to 0.76 oz/ton gold. This property is 9-10 miles southeast and on the same geological belt and formation as the Rawhide claims. Hudson Bay Exploration completed an aggressive exploration program on the property this season (1985).

## REGIONAL GEOLOGY

A linear, structural belt of serpentine and greenstone, hosting a number of gold, silver and antimony showings makes up the regional geological setting. The belt is bounded by schists, phyllite, and argillite with lesser siltstone and sandstone lenses. The serpentine and greenstone are highly sheared with the adjacent metasediments faulted and altered. Both rock types are intruded by granitic plugs.

A number of precious metal occurrences are associated with the belt, along with some base metal showings. The majority of the gold-silver showings immediately adjacent to serpentine and greenstone occur in shear zones and in paralleling quartz vein structures and siliceous zones. The latest discovery, now under option to Hudson Bay occurs in a 100 ft. wide quartz - siliceous-sulfide zone, highly anomalous in gold and silver.

This belt is approximately 18-20 miles long with about 90% of it now staked by major and junior resource companies..

Other similar belts are known to host both former and presently producing gold mines - such as the Carolin Mine and the Coquihalla Gold Belt to the southeast, and the Bridge River - Bralorne Belt to the northwest.

## FIELD WORK

A field crew consisting of two (2) men (a geologist and prospector) traversed and prospected parts of the Rawhide Group intermittently between the months of September and October 1985. A logging road cuts the northern portion of the claim group; a 4-wheel drive truck was used to get into this area. Part of the logging road was prospected where rock had been exposed during the road construction. Three (3) streams located in the Rawhide 2 and 4 claims were prospected and traversed to the headwaters. Several silt and rock samples were collected and some gold panning was also done. A number of prospecting traverses were carried out at approximately the 6,500 ft. elevation on the Rawhide 1 and 2 claims. Several old trenches and one (1) short adit were located on the Rawhide 1 from which well mineralized samples were collected.

All traverses and sample sites were controlled and tied-in by using 1:50,000 topographic map, altimeter checks; and, Brunton compass triangulation readings. A 1:20,000 forestry map was also used. A 4-wheel drive truck was used to get to the claims and traverses were conducted from the truck. About one hour of helicopter time was also utilized to get to higher elevations.

Three (3) basic rock types were encountered - sheared talc serpentinite; volcanic greenstone; and phyllite-siltstone-argillite sediments. Several well mineralized quartz veins were noted at

Cont'd

FIELD WORK Cont'd

the old workings. The mineralization consisted of pyrite, pyrrhotite, and arsenopyrite. Visible gold was noted with the sulphides and abundant fine free gold was panned from a small tailings dump near the old adit.

COST BREAKDOWN

|   | Cost                      |
|---|---------------------------|
| Personnel:  |                           |
| Geologist, 12 days @ \$250/day<br>(Sept. 1 - Oct. 31, 1985) | \$ 3,000.00               |
| Prospector, 12 days @ \$150/day<br>(Sept.1 - Oct. 31, 1985) | 1,800.00                  |
| Transportation:   |                           |
| Helicopter, 1 hr. @ \$650/hr.                               | 650.00                    |
| 4X4 Truck, 12 days @ \$40/day                               | 480.00                    |
| Camp, groceries, and equipment                              | 320.00                    |
| Report, typing, and copies                                  | <u>850.00</u>             |
| Total   | <u><u>\$ 7,100.00</u></u> |

Respectfully Submitted,



Mr. D.G. Cardinal, P. Geol.  
Geologist



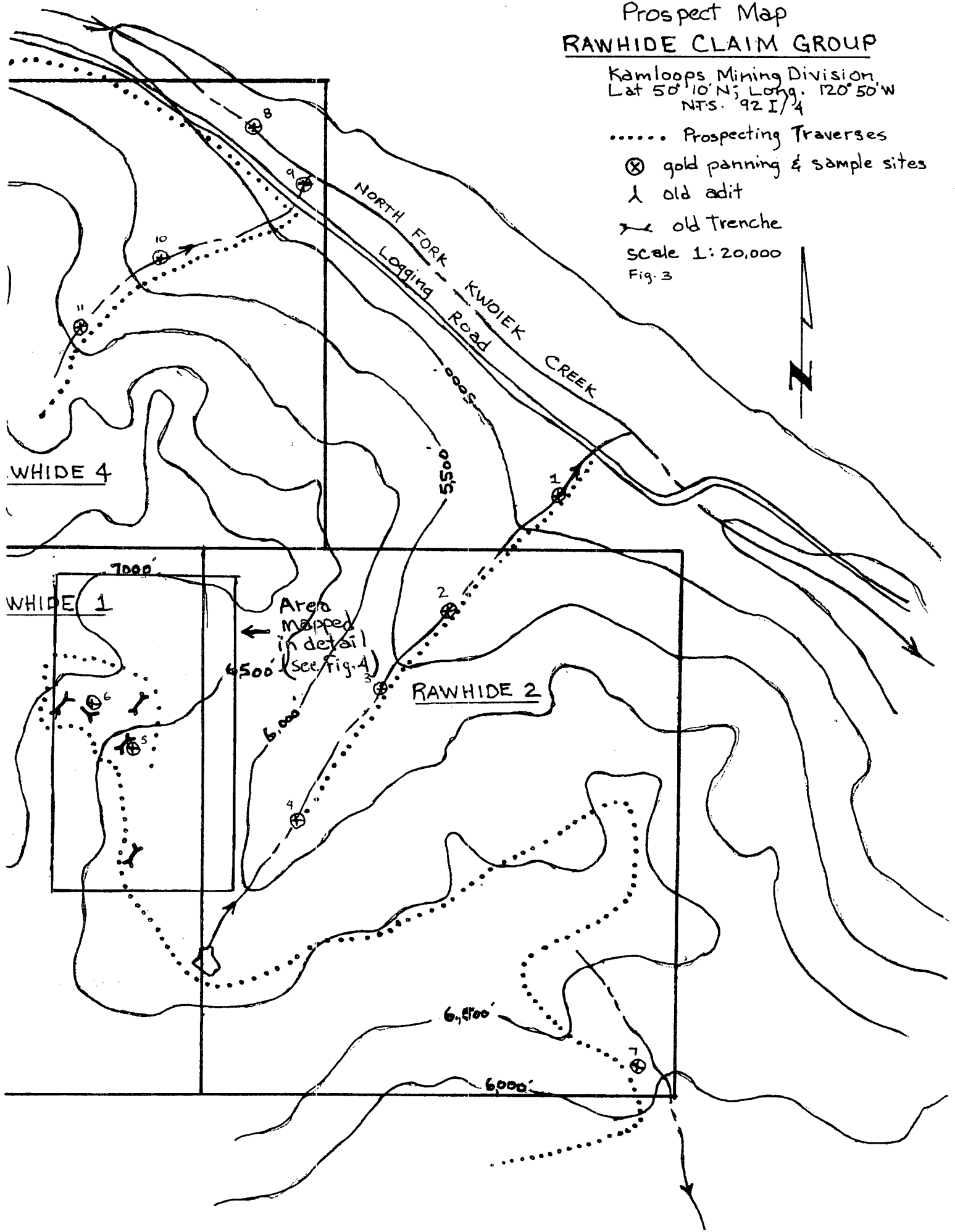
## DETAIL PROSPECTING AND SAMPLE SITES

A total of eleven (11) sample sites were prospected for gold along northeast flowing small tributaries of the North Fork Kwoiek Creek (fig. 3) and at the site of the old workings. All of the sites were panned for gold and silt samples collected. At sites 1,2,3,8,9,&10 no rock outcrops were noted and are located at lower elevations where heavy overburden exists. At locations 4,5,&6 fine visible gold was panned along with arsenopyrite and pyrite. Rock outcrops were also noted at these locations predominantly consisting of phyllite, and garnet-phyllite schist (see fig. 4). Both sample sites 7&11 were also panned and only minor pyrite with some magnetic sand was noted. At site 7 sub-outcrop of phyllite schist was encountered and at 11, outcrop of greenstone volcanic was found along creek bank. Samples from the above sites have not yet been analysed and are presently kept in storage.

Prospect Map  
RAWHIDE CLAIM GROUP

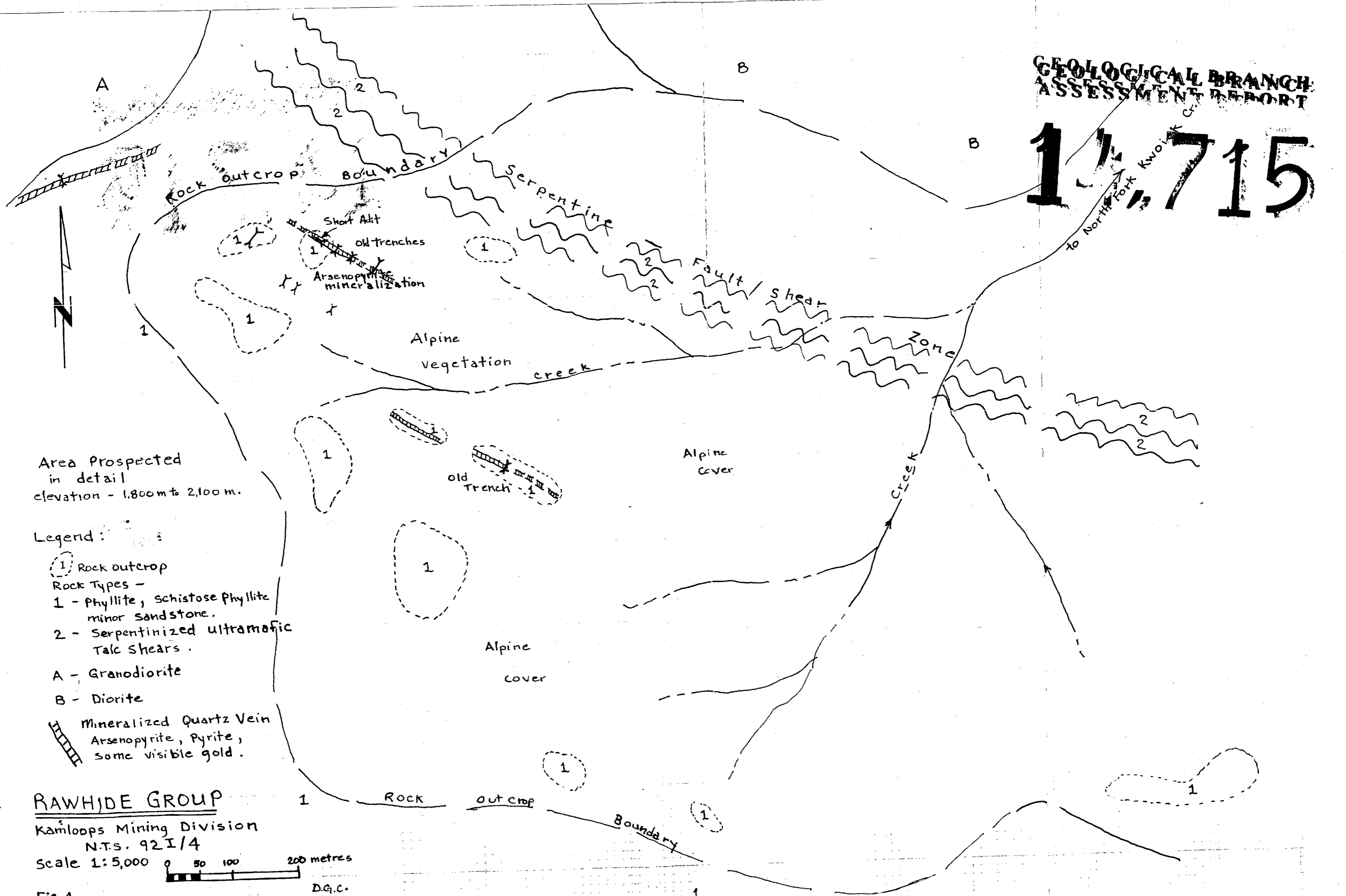
Kamloops Mining Division,  
 Lat 50° 10' N; Long. 120° 50' W  
 NTS. 92 I/4

- ..... Prospecting Traverses
- ⊗ gold panning & sample sites
- ∟ old adit
- ↘ old trench
- scale 1:20,000
- Fig. 3




GEOLOGICAL BRANCH  
ASSESSMENT REPORT

11715  
to North Fork Kwok

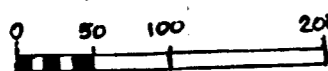


Area Prospected  
in detail  
elevation - 1,800m to 2,100 m.

Legend:

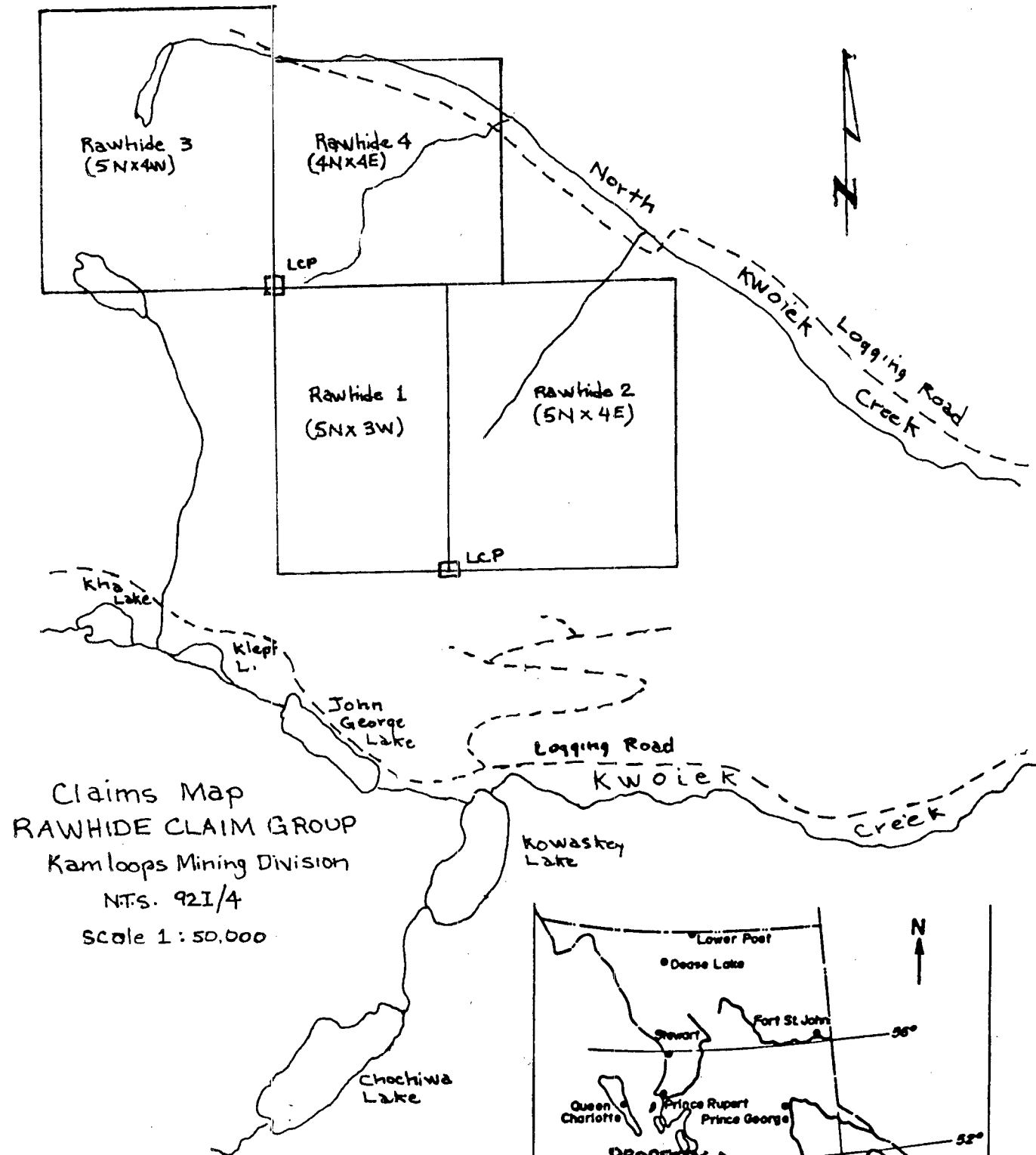
- ① Rock outcrop
- Rock Types -
- 1 - Phyllite, schistose Phyllite  
minor sandstone.
- 2 - Serpentinized ultramafic  
Talc Shears.
- A - Granodiorite
- B - Diorite
-  Mineralized Quartz Vein  
Arsenopyrite, Pyrite,  
some visible gold.

RAWHIDE GROUP  
Kamloops Mining Division  
N.T.S. 92I/4

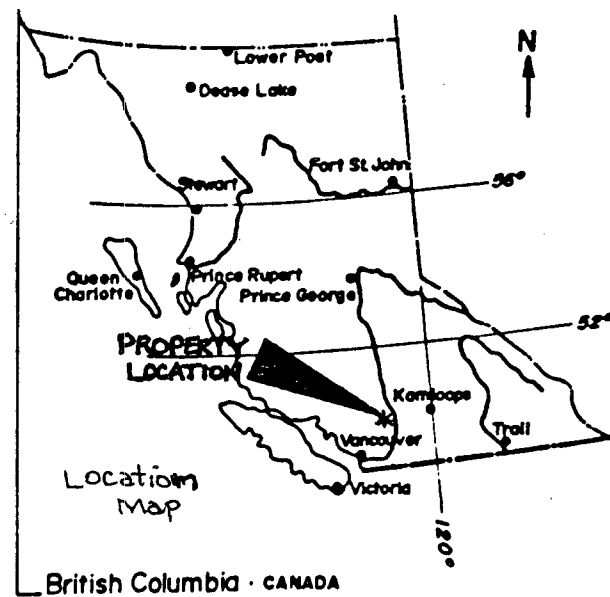
Scale 1:5,000  200 metres

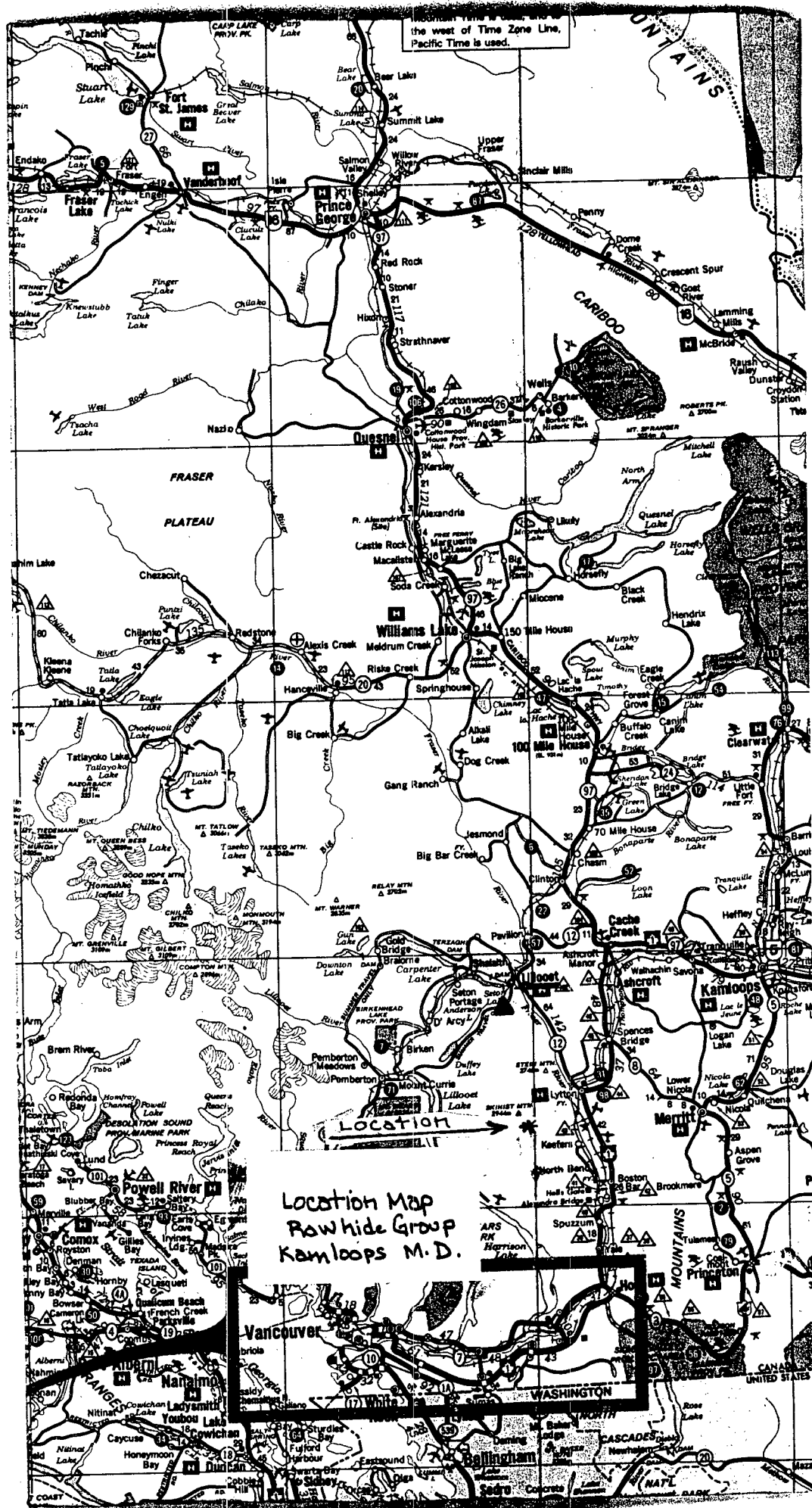
D.G.C.

Antimony  
+  
Mountain



Claims Map  
RAWHIDE CLAIM GROUP  
Kamloops Mining Division  
N.T.S. 92I/4  
Scale 1:50,000



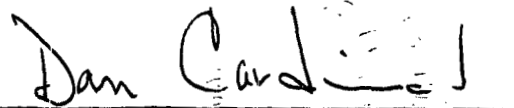


APPENDIX I

CERTIFICATE

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

1. I am a professional geologist residing in Hope, B. C., mailing address, P. O. Box 594, Hope, B. C., V0X 1L0
2. 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).
3. I am a member in good standing with the Association of Professional Engineers, Geologists and Geophysicists of Alberta and a member of the Canadian Institute of Mining and Metallurgy.
4. 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.
5. The Rawhide Claim Group was prospected by a geologist (writer) and prospector during the months of September and October, 1985.



Mr. Dan G. Cardinal, P. Geol.  
Geologist.

## APPENDIX II

### BIBLIOGRAPHY

Report of the Minister of Mines 1929  
p. C236

Duffell and McTaggart (1952), Glacier  
Group (24), G.S.C. Memoir 262, Ashcroft  
Map Area. p. 104.

Littlejohn, Cochrane (1978), Geological  
and Geochemical Assessment Report on the  
Alpine Claim (12 units)

Madeisky, Cochrane (1979), Geological  
and Geochemical Work on the Alpine Glacier  
Group

Sinclair, A.J. (1974). Selection of  
threshold values in geochemical data  
using probability graphs, J. Geochem.  
Exploration 3: 129-149