

GEOLOGICAL REPORT

CASCADE FRACTION
(Record No. 2554(9))

Stewart Area
SKEENA MINING DIVISION

NTS 104B/1E

Latitude: 56°05'N; Longitude: 130°01'W

OWNER: Ulrich Kretschmar
R.R.1
Severn Bridge, Ontario
POE 1N0

OPERATOR: Windy Point Minerals Ltd.,
1500 - 1176 W. Georgia Street,
Vancouver, B.C.
V6E 4A2

AUTHOR: Gary Foye

DATE SUBMITTED: October 19, 1981

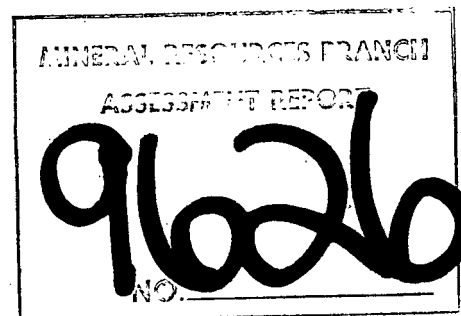


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INTRODUCTION

This report describes a geological survey carried out on the Cascade fraction during August, 1981.

The Cascade fraction is situated approximately 15 kilometers north of Stewart between the northerly trending Bear River Ridge to the east and the Big Missouri Ridge to the west. Cascade Creek drains southerly through the claim. Elevations range between approximately 600 meters and 770 meters. Figure 1 shows the location of the fractions.

Access to the claim from Stewart can be gained by driving north on the Granduc Road to the Premier Mine. The road to the Big Missouri property that branches off on the east side is then followed for approximately six kilometers. The eastern boundary of the Cascade fraction is then, on the average, 100 meters to the west.

The Cascade fraction (Record No. 2554(9)) is owned by Ulrich Kretschmar, R.R.1, Severn Bridge, Ontario and was staked in 1980. During 1981 the operator was Windly Point Minerals Ltd., 1500 - 1176 W. Georgia Street, Vancouver, B.C. Records of previous work that may have been carried out on the ground have not been located.

Geological mapping was carried out on the fraction during 1981 to help in assessing it's economic potential. The mapping was done at a scale of 1"=400' (1:4,800).

Map from NTS sheets 103P + 1030,
104A and 104B
AMS sheets Ketchikan +
Bradfield Canal

Drafted by : D. Kretschmar
30 Aug. 1979

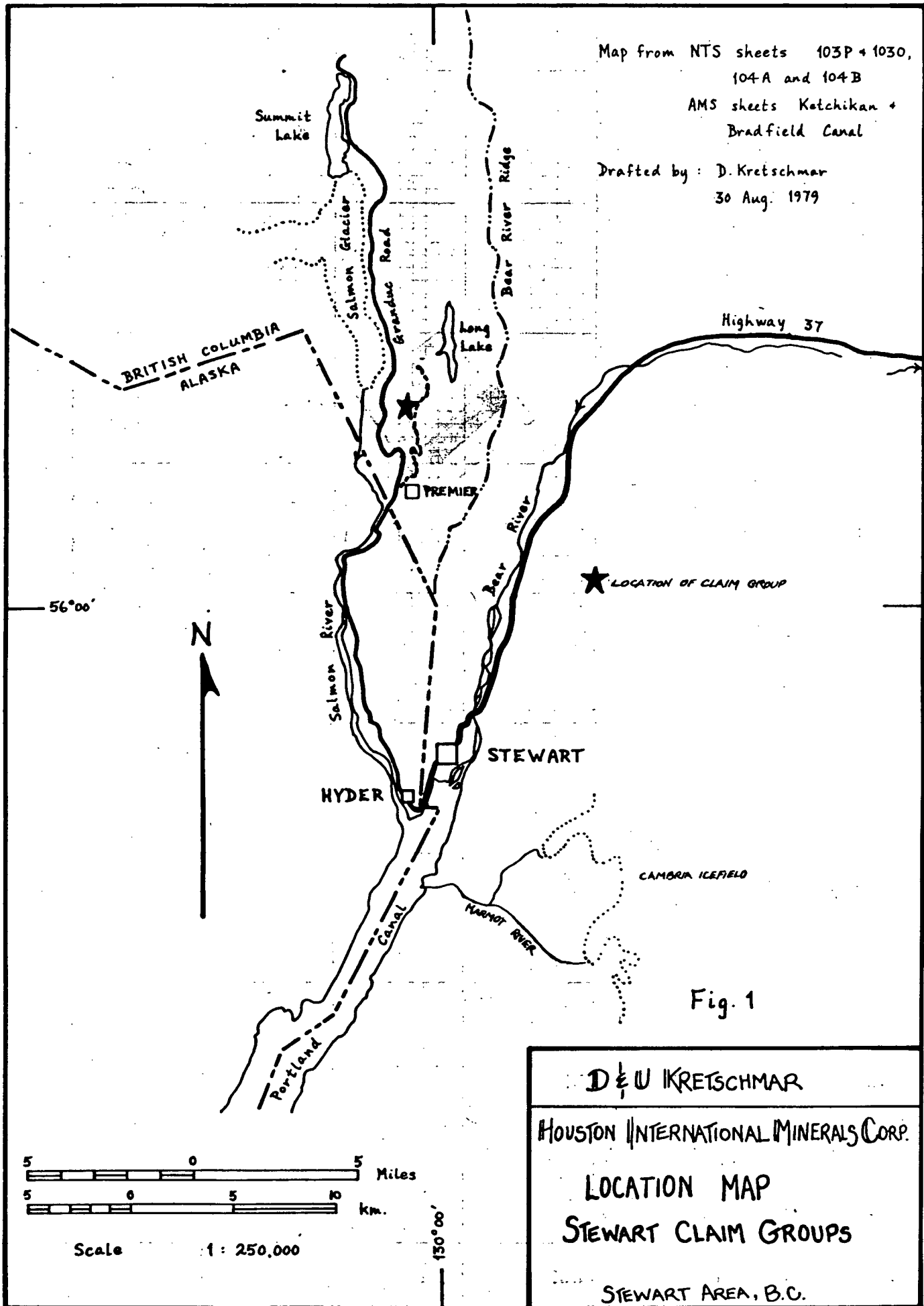
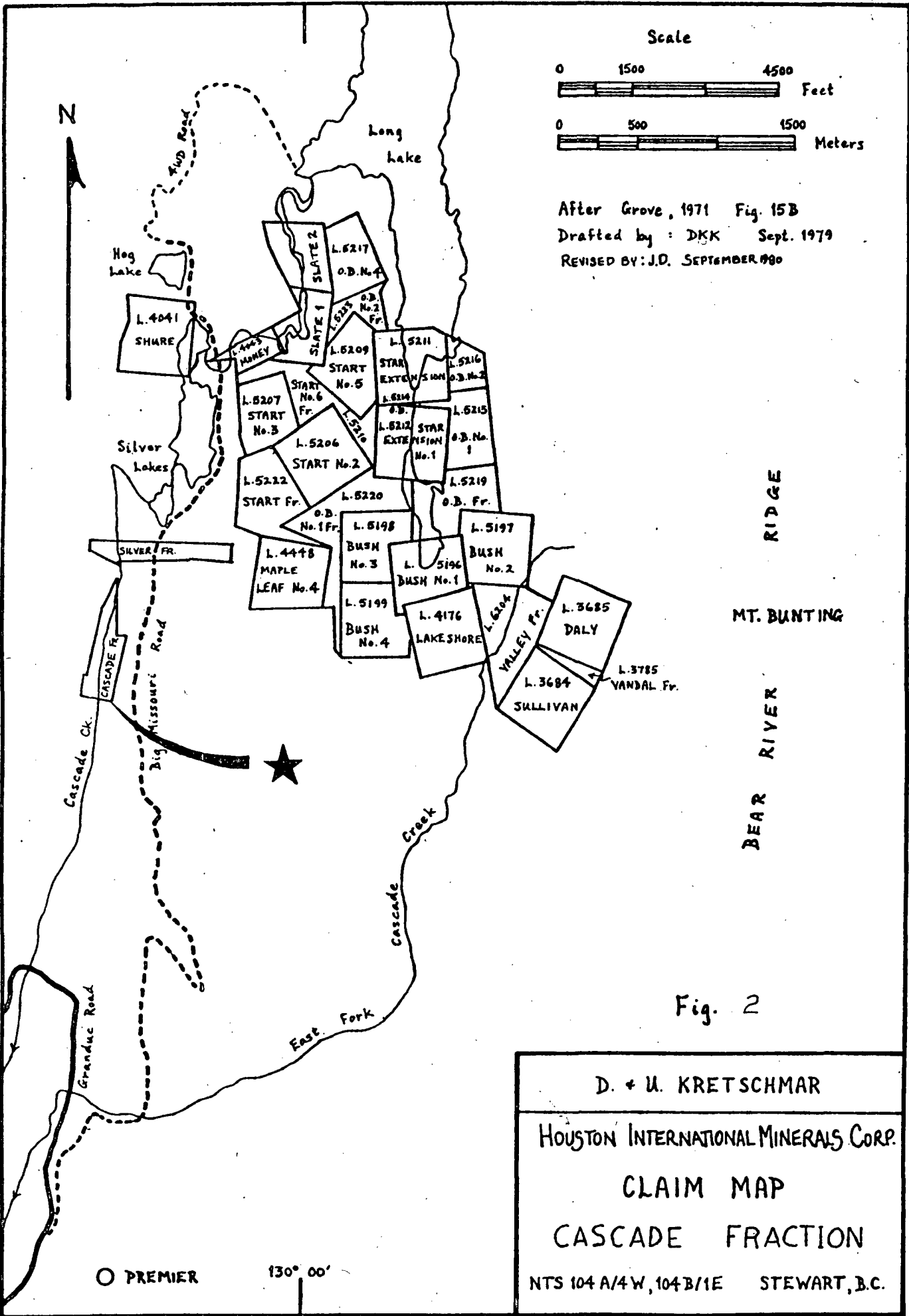


Fig. 1

D & U KRETCHMAR
 HOUSTON INTERNATIONAL MINERALS CORP.
 LOCATION MAP
 STEWART CLAIM GROUPS
 STEWART AREA, B.C.

5 0 5 Miles
 5 0 5 10 km.
 Scale 1 : 250,000



After Grove, 1971 Fig. 15B
 Drafted by : DKK Sept. 1979
 REVISED BY: J.D. SEPTEMBER 1980

Fig. 2

D. + U. KRETSCHMAR
 HOUSTON INTERNATIONAL MINERALS CORP.
 CLAIM MAP
 CASCADE FRACTION
 NTS 104 A/4 W, 104 B/1 E STEWART, B.C.

○ PREMIER 130° 00'

GEOLOGY

REGIONAL

The geology of the Stewart map - area is discussed by E.W. Grove in "Geology and Mineral Deposits of the Stewart area, B.C. Dept. of Mines and Petroleum Resources, Bulletin 58, 1971". The map - area is predominantly underlain by volcanic and sedimentary rocks of the Lower to Middle Jurassic Hazelton Group. The eastern margin of the Coast Crystalline Belt is located on the western part of the map area while the eastern part is underlain by the western margin of the Bowser basin containing the Middle to Upper Jurassic Bowser Group of sediments and minor volcanics.

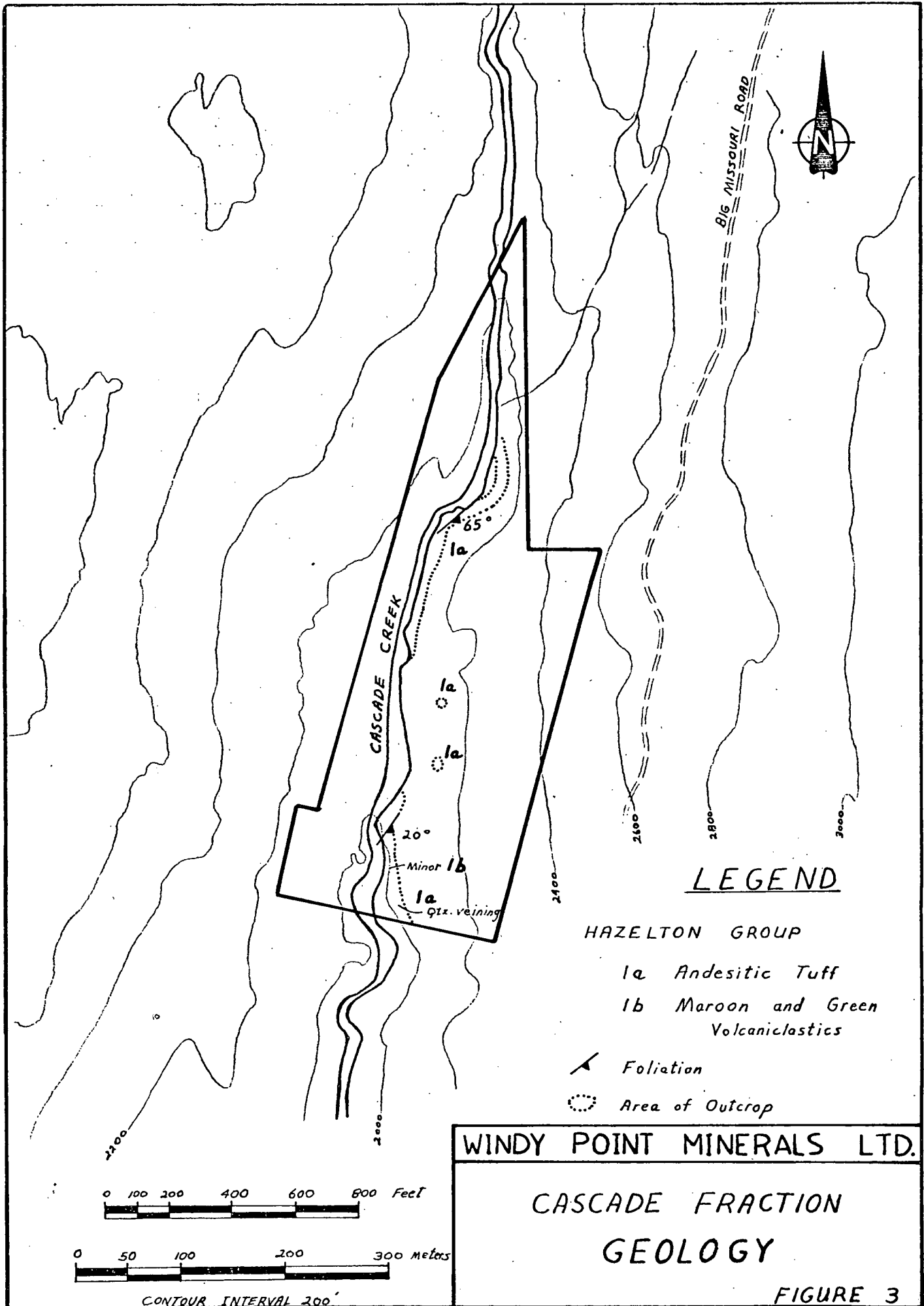
The Hazelton Group hosts a number of mineral deposits in the area with the most notable being the former producing Premier and Big Missouri Mines.

LOCAL

Refer to Figure 3 for a geology map of the Cascade fraction. The claim is underlain by volcanics of the Hazelton Group.

Andesitic Tuff (Unit 1a) - This unit is generally green but also occurs in shades of brown. It varies from being soft and highly foliated in the northern part of the claim to being more competent towards the south. The foliation generally has a northeasterly - southwesterly strike and easterly dips between 20° and 65°. Gentle warping was observed in some outcrops. Minor quartz-carbonate stringering occurs in the northern area. Quartz veining is common in one zone near the southern end of the fraction. The veins are generally less than 5 cm. wide and are often near-vertical, although they occur at various attitudes.

Maroon and Green Volcaniclastics (Unit 1b) - A small exposure of this unit occurs near the southern end of the Cascade fraction. Contact relationships with Unit 1a were not observed. The unit at this location consists of green, angular to subsounded, breccia - size fragments set in a maroon, hematitic matrix.



LEGEND

HAZELTON GROUP

1a Andesitic Tuff

1b Maroon and Green
Volcaniclastics

▲ Foliation

⊙ Area of Outcrop

WINDY POINT MINERALS LTD.

CASCADE FRACTION
GEOLOGY

FIGURE 3

0 100 200 400 600 800 Feet

0 50 100 200 300 Meters

CONTOUR INTERVAL 200'

MINERALIZATION

No mineralization of economic interest was noted during the survey. Very minor pyrite is disseminated throughout the units.

RECOMMENDATIONS

No further work is recommended on the Cascade fraction at this time.

STATEMENT OF EXPENDITURES

1) Salaries:		
G. Foye	1 1/2 days (Aug.26 and 27, 1981) @ \$144.00/day	\$216.00
2) Food and Accommodation:		
1 man-day @ \$20.00/man-day		\$ 20.00
3) Transportation:		
Truck rental - 1 day (Aug.26, 1981) @ \$30.00/day		<u>\$ 30.00</u>
	Total Expenditures	<u><u>\$266.00</u></u>

Gary Foye

Gary Foye

STATEMENT OF QUALIFICATIONS

I, Gary R. Foye, of 1028 Moray Street, Coquitlam, B.C. V3J 6S3, certify that:

- 1) I am a Project Geologist employed by Windy Point Minerals Ltd. (a subsidiary of Houston International Minerals Corp).
- 2) I am a graduate of the University of British Columbia - B.Sc. 1970.
- 3) I have worked as an exploration geologist in various areas of Canada, U.S.A. and Africa.
- 4) I worked on the Cascade Fraction during August 1981.

Gary Foye