

81-#843,-9629

GEOLOGICAL REPORT

AMADEUS AND WOLFGANG FRACTIONS
(Record Nos. 2574(9) and 2573(9))

Stewart Area
SKEENA MINING DIVISION

NTS 104 B/1E

Latitude: 56°05' N; Longitude: 130°02' 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 20, 1981

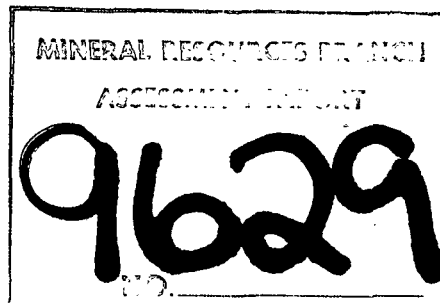


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INTRODUCTION

This report describes a geological survey carried out on the Amadeus and Wolfgang fractions during August, 1981.

The fractions are situated approximately 15 kilometers north of Stewart on the southern flanks of the northerly trending Big Missouri Ridge. Amadeus fraction is traversed by Myrtle Creek. The area is within the northern Coast Mountains and is generally quite rugged. Amadeus and Wolfgang fractions are located at elevations of approximately 760 meters and 840 meters respectively. Figure 1 shows the location of the fractions.

Access to the area from Stewart is via the Granduc Road to approximately Mile 13 1/4 (about 27 kilometers from Stewart). A cut line (L.48+00N.) is then followed easterly for about 400 meters to a base line. The fractions are then located within about 200 meters to the northeast.

The two fractions are owned by Ulrich Kretschmar, R.R.1, Severn Bridge, Ontario and the operator during 1981 was Windy Point Minerals, Ltd., 1500 - 1176 W. Georgia Street, Vancouver, B.C. Record numbers of the Amadeus and Wolfgang fractions are 2574(9) and 2573(9) respectively. A claim map is presented in Figure 2.

The fractions were staked in 1980. Records of previous work that may have been carried out on the ground have not been located.

Geological mapping was carried out on the fractions during 1981 to help in assessing their economic potential. The mapping was done at a scale of 1" = 200' (1:2,400).

Map from NTS sheets 103P & 103O,
104A and 104B
AMS sheets Ketchikan &
Bradfield Canal

Drafted by : D. Kretschmar
30 Aug. 1979

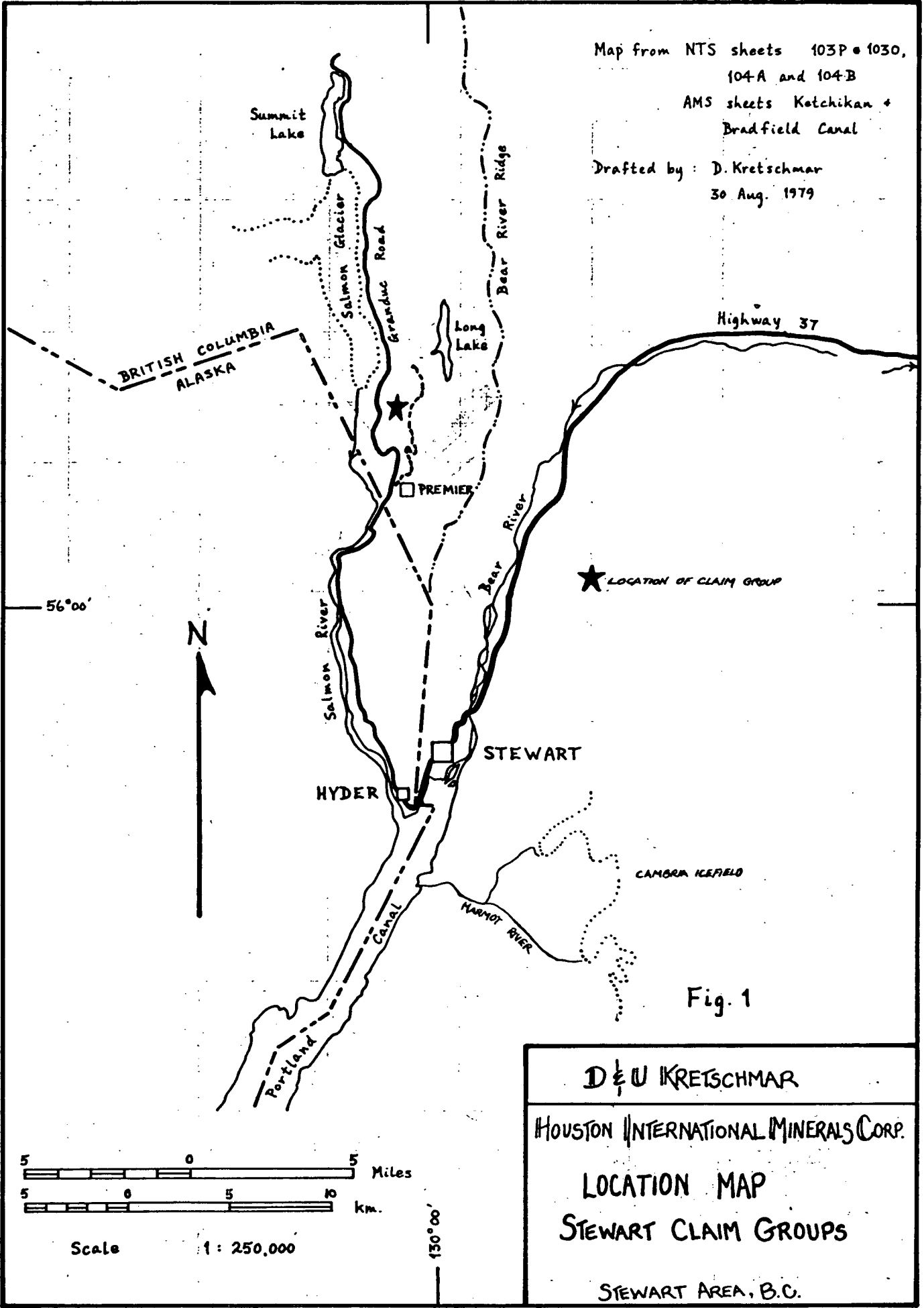


Fig. 1

D & U KRETSCHMAR
 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

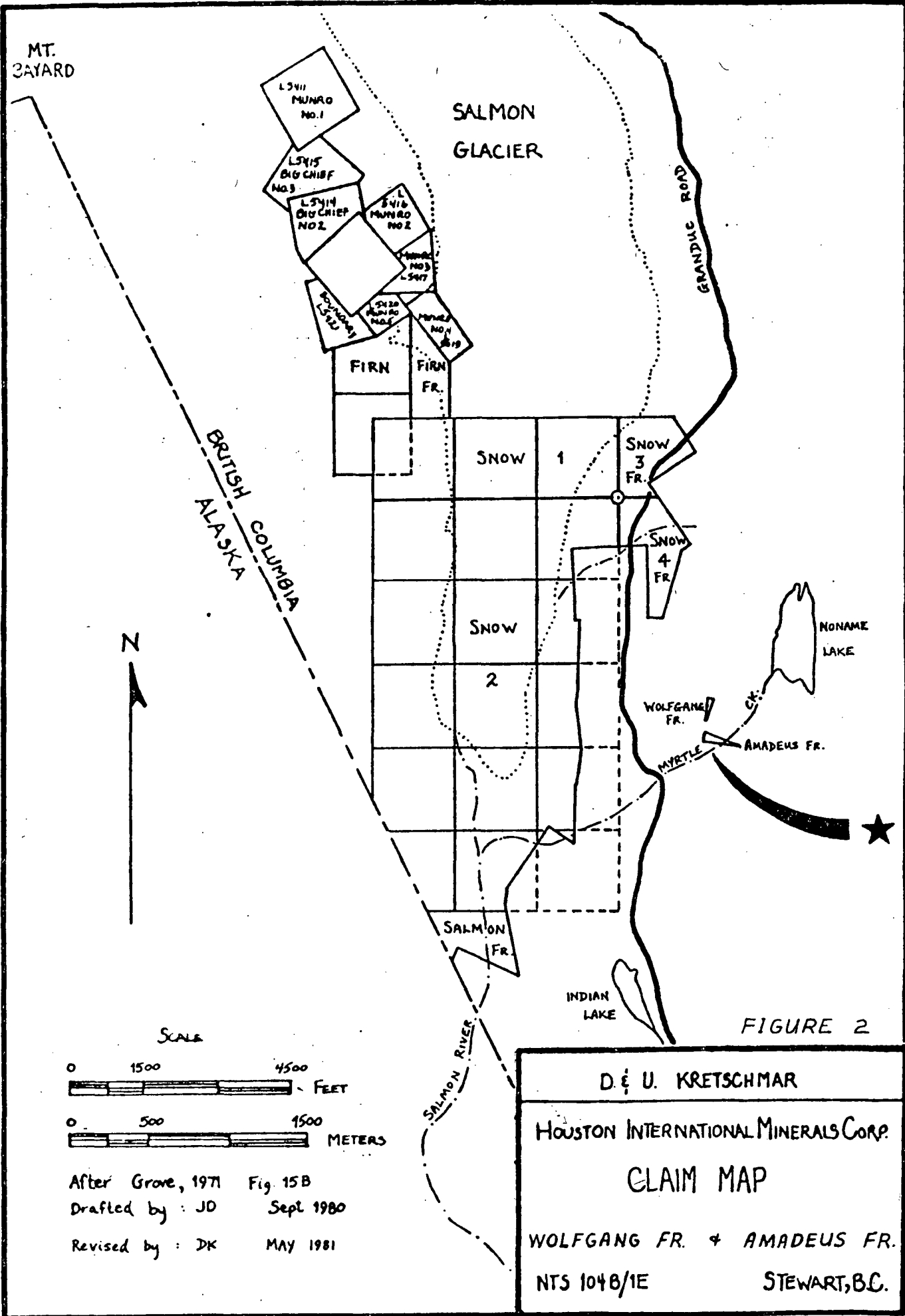


FIGURE 2

D. & U. KRETSCHMAR

HOUSTON INTERNATIONAL MINERALS CORP.

CLAIM MAP

WOLFGANG FR. & AMADEUS FR.

NTS 1048/1E

STEWART, B.C.

SCALE

0 1500 4500 FEET

0 500 1500 METERS

After Grove, 1971 Fig. 15B
 Drafted by : JO Sept 1980
 Revised by : DK MAY 1981

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.

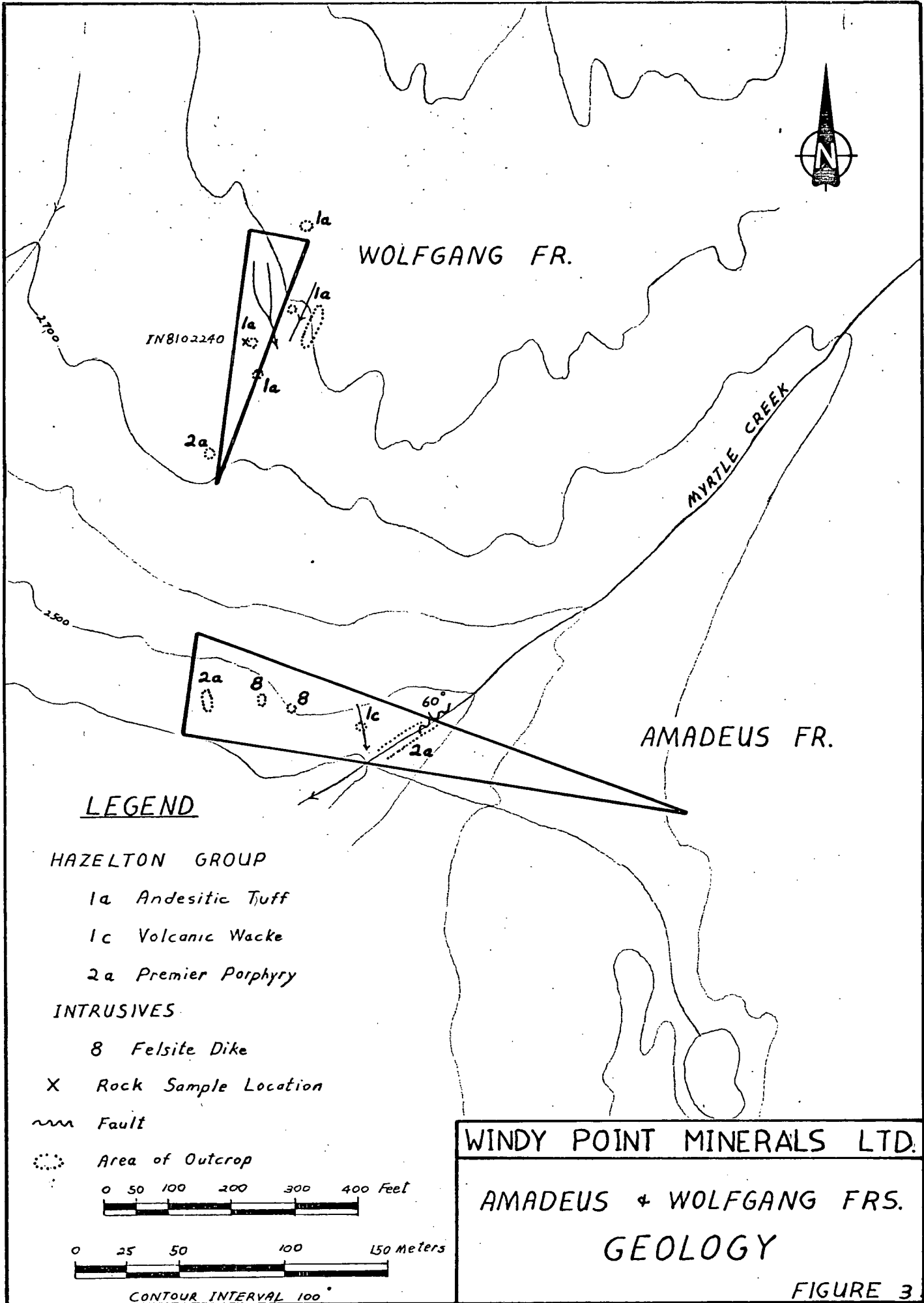
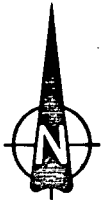
LOCAL

Figure 3 shows the geology of the Amadeus and Wolfgang fractions. They are underlain mainly by Hazelton Group volcanics.

Andesitic Tuff (Unit 1a) - In this area Unit 1a is generally green and varies from being slightly schistose to non-schistose. It is moderately calcareous and moderately chloritized. Some sericitization has also probably taken place.

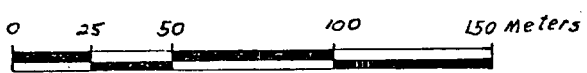
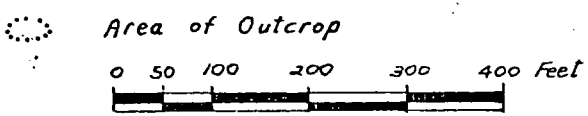
Volcanic Wacke (Unit 1c) - A small exposure of this unit occurs in a creek bank on the Amadeus fraction. The rock is a green, andesitic volcanic wacke with a sandstone - like texture. It is also quite fissile.

Premier Porphyry (Unit 2a) - This unit is an andesite porphyry that is characterized by sanidine phenocrysts up to 3 cm. long. Elsewhere the unit is normally also characterized by smaller (1-4 mm) feldspar, hornblende and quartz phenocrysts in the groundmass. In this area these smaller phenocrysts are only occasionally visible in hand specimen. The unit exhibits varying degrees of alteration but it appears to be generally highly sericitized, moderately chloritized and moderately calcareous.



LEGEND

- HAZELTON GROUP
- 1a Andesitic Tuff
- 1c Volcanic Wacke
- 2a Premier Porphyry
- INTRUSIVES
- 8 Felsite Dike
- X Rock Sample Location
- ~ Fault



CONTOUR INTERVAL 100'

WINDY POINT MINERALS LTD.

AMADEUS + WOLFGANG FRs.

GEOLOGY

FIGURE 3

Felsite Dike (Unit 8) - Dike rock of probable Tertiary age is exposed on the Amadeus fraction. It is a fine-grained, pale green, siliceous andesite. Some areas contain 1-5 mm hornblende phenocrysts. Exposures were too limited to obtain an orientation on the dike.

Structure - A slickensided fault plane coincides with the channel of Cascade Creek. This fault has an attitude of $045^{\circ}/60^{\circ}\text{N}$.

MINERALIZATION

In general the only mineralization that was observed was minor disseminated pyrite. However, one small outcrop on the Wolfgang fraction is characterized by abundant quartz veining and pyrite. A sample of this exposure was analysed for copper, lead, zinc, silver and gold. The gold ran 1.23 ppm but the other values were relatively low. The complete results are given in Appendix A and the location of the sample is shown on Figure 3.

RECOMMENDATIONS

Some follow-up sampling is recommended for the area where the sample containing 1.23 ppm gold was collected.


STATEMENT OF EXPENDITURES
Amadeus Fraction and Wolfgang Fraction

AMADEUS FRACTION

1) Salaries:			
G. Foye	1 day (Aug.25, 1981)		
	@ \$144.00/day		\$ 144.00
2) Food and Accommodation:			
1 man-day @ \$20.00/man-day			\$ 20.00
3) Transportation:			
Truck Rental - 1 day (Aug. 25, 1981)			
@ \$30.00/day			<u>\$ 30.00</u>
	Total Expenditures		\$ 194.00

WOLFGANG FRACTION

1) Salaries:			
G. Foye	1 day (Aug.24, 1981)		
	@ \$144.00/day		\$ 144.00
2) Food and Accommodation:			
1 man-day @ \$20.00/man-day			\$ 20.00
3) Transportation:			
Truck Rental - 1 day (Aug.24, 1981)			
@ \$30.00/day			\$ 30.00
4) Sample Analysis:			
1 rock assay @ \$30.00/sample			<u>\$ 30.00</u>
	Total Expenditures		<u><u>\$ 224.00</u></u>



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 Amadeus and Wolfgang Fractions during August, 1981.



Gary Foye.

APPENDIX A
Geochemical Results

JOB NUMBER: CXA8114032 GEOLOGIST: FOYE 6

PA

ELEMENT / ANAL. CODE

SAMPLE ID. CU/D1 PB/D1 ZN/D1 AG/D1 AU/ G *(All in ppm)*

IN8102240R 31 43 430 7.2 1.230

..... END OF REPORT FOR: CXA8114032

MOORE BUSINESS FORMS