GEOLOGICAL REPORT

MUNRO CLAIM GROUP

Record No. 1644(8) to 1648(8)

STEWART AREA

British Columbia

Skeena Mining Division

NTS 104 B/1E

lat: 56° 07' N long: 130° 04'W

Owner:

Dianne Kretschmar
R.R. #1
Severn Bridge, Ontario
POE 1NO

Contractors and Authors:

Ulrich & Dianne Kretschmar
R.R. #1
Severn Bridge, Ontario
POE 1NO

Operator:

HIMCO
3301 C St. #505
Anchorage, Alaska
99503

Date Submitted:

September 14th, 1980

TABLE OF CONTENTS

LIST OF FIGURES

INTRODUCTION

The Munro claim group lies on the west side of the Salmon glacier 2 km north of its 1977 terminus in the Salmon River valley. Elevations range from 500 to 1500 meters and the terrain is precipitous.

Most convenient access is via helicopter from Stewart, 20 km to the south, but the claim group may be reached by walking down Myrtle Creek and traversing the Salmon glacier.

Current owner is Dianne Kretschmar, R.R. #1, Severn Bridge, Ontario POE 1NO. HIMCO, 3301 C St., #505, Anchorage, Alaska 99503 is the operator. Economic assessment of the property is being carried out with the first step consisting of geological mapping at a scale of 1:5,000 and assay sampling of the mineral occurrences.

LAND

The Munro group of 5 Reverted Crown Granted mineral claims consists of the following lots, as shown in Figure 2:

Record No.	Lot	Claim Name	Hectares
1644(8)	5416	Munro No. 2	9.76
	5417	Munro No. 3	7.71
1645(8)	5411	Munro No. 1	20.90
1646(8)	5414	Big Chief No. 2	12.95
1647(8)	5415	Big Chief No. 3	12.60
1648(8)	5419	Munro No. 4	8.70
	5420	Munro No. 5	5.25
	5421	Boundary	9.44
5 claims			87.31

The claims were recorded on 15th August, 1979.

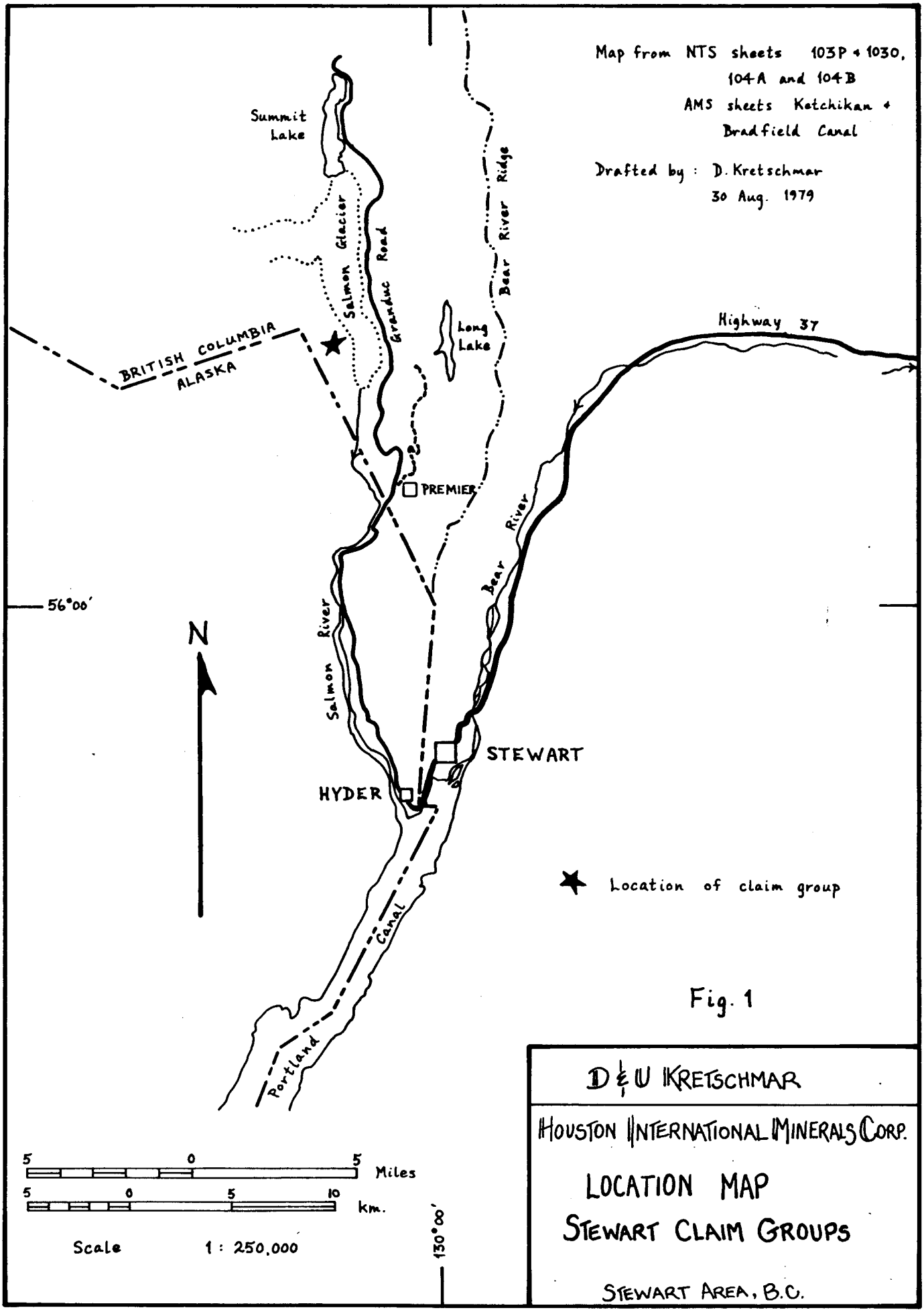


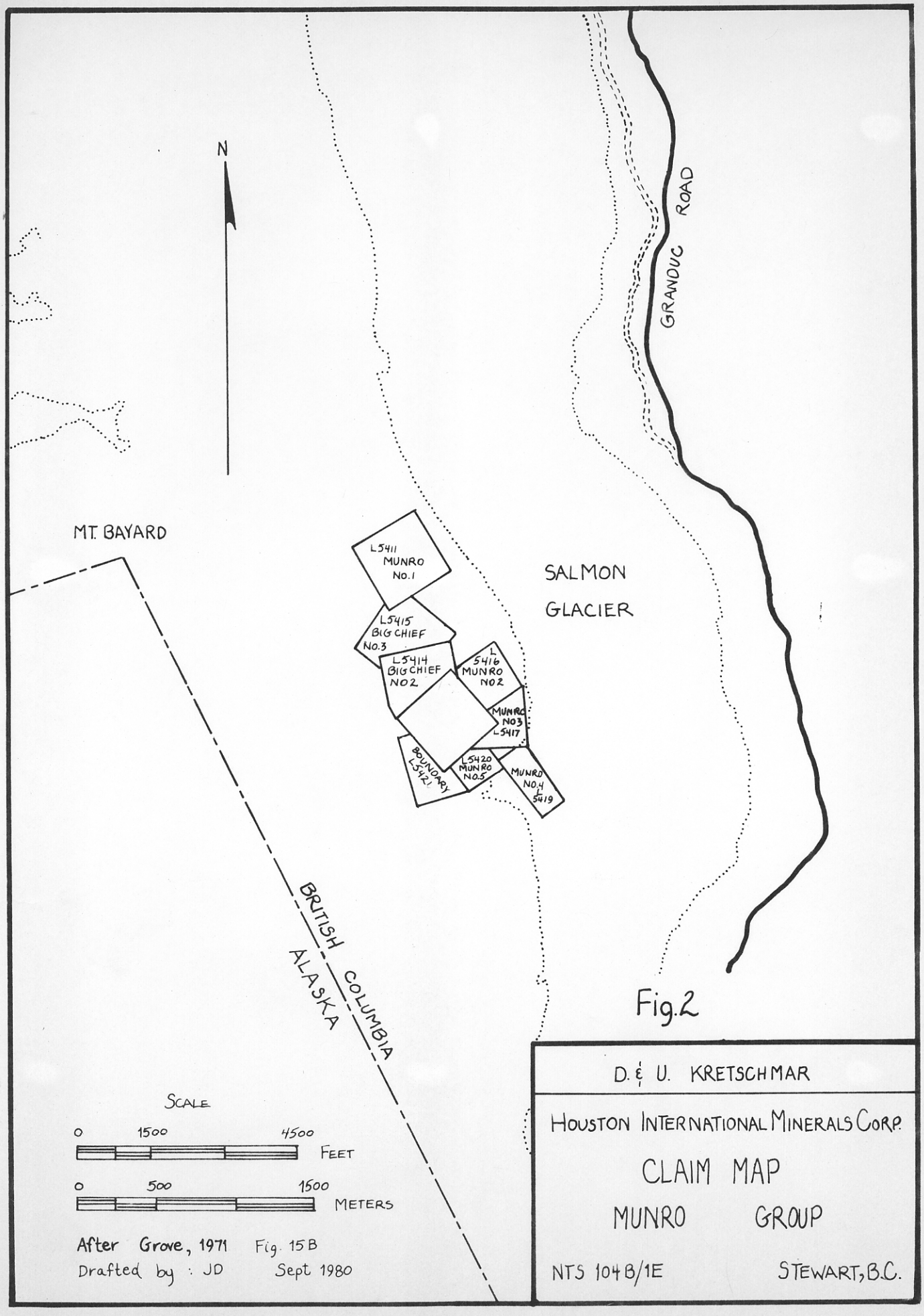
Fig. 1

D & U KRETSCHMAR

HOUSTON INTERNATIONAL MINERALS CORP.

LOCATION MAP
STEWART CLAIM GROUPS

STEWART AREA, B.C.


N
GRANDUC ROAD
MT. BAYARD
SALMON GLACIER
L5411 MUNRO No.1
L5415 BIG CHIEF No.3
L5414 BIG CHIEF NO2
L 5416 MUNRO NO2
MUNRO NO3 L5417
BOUNDARY L5421
L5420 MUNRO NO.5
MUNRO NO.4 L 5419
BRITISH COLUMBIA
ALASKA
SCALE
0 1500 4500 FEET
0 500 1500 METERS
After Grove, 1971 Fig. 15B
Drafted by : JD Sept 1980
Fig.2
D. & U. KRETSCHMAR
HOUSTON INTERNATIONAL MINERALS CORP.
CLAIM MAP
MUNRO GROUP
NTS 104B/1E
STEWART, B.C.

GEOLOGY

General

Figure 3 is a reconnaissance geological map of the Munro group. The property is underlain by siliceous metasediments of the Hazelton Group and the Boundary granodiorite. The Hazelton Group is generally considered to be upper Jurassic in age in the type Hazelton area (R.V. Richards, 1974, Hazelton map area, Geological Survey of Canada, Annual Report, Sect. A). The Boundary Granodiorite has been dated Eocene (49 m.y.) by J.G. Smith, 1977, Geology of the Ketchikan D-1 and Bradfield Canal A-1 quadrangles, Southeastern Alaska, U.S.G.S. Bulletin 1425. The area encompassing the Munro claims is included in maps by W.L. Bacon (1955, Preliminary map of the Granduc area: British Columbia Dept. Mines) and E.W. Grove (1971, Geology and Mineral deposits of the Stewart area, B.C. Dept. of Mines and Petroleum Resources, Bulletin 58). These authors map the intrusive complex as Texas Creek Granodiorite.

On a property scale, siliceous metasediments form a roof pendant in a medium-grained biotite-hornblende granodiorite. Bedding attitudes in the sediments are variable and units are distorted. Dips are generally steep. No major faults were seen.

A few medium grained granodiorite dikes were mapped, as well as one microdiorite dike.

Metamorphic grade is upper greenschist and locally amphibolite facies. In some places rocks are hornfelsed and occasionally calc-silicates were formed.

Lithology

Unit 6

Rocks of unit 6 are predominantly black to grey siltstones, grits and greywackes. Individual beds are one to three meters thick; smaller scale bedding is seen locally and the unit outcrops well-bedded to massive. Interbedded with the siliceous units are grey to black siliceous and tuffaceous argillite beds that are locally a hundred meters or more in thickness.

All units may contain pyrite in variable amounts and commonly weather rusty.

Unit Tb

The major part of the Boundary Granodiorite is composed of slightly inequigranular hypidiomorphic medium-grained biotite hornblende granodiorite. Textures are generally uniform wherever the granodiorite was encountered.

Typical outcrops are massive, smooth and light coloured. Small fine-grained inclusions of country rock and shadowy mafic clots richer in biotite and hornblende are common and are apparently characteristic of the Boundary Granodiorite (J.G. Smith, 1977, Geology of the Ketchikan D-1 and Bradfield Canal A-1 quadrangles, Southeastern Alaska, U.S.G.S. Bulletin 1425).

MINERALIZATION

There is one main mineralized area consisting of a slightly discordant quartz vein in black siliceous argillite. The vein is approximately 130 meters long, has a strike of 140° and a variable but shallow dip. It is from 7 to 70 cm. wide. Galena, honey coloured sphalerite, tetrahedrite and minor pyrite occur in pods and irregular stringers in the quartz vein.

The vein probably occurs along a shear zone which may be related to intrusion of the underlying granodiorite.

RECOMMENDATIONS

The property should be further prospected and mapped in greater detail.

DIANNE & ULRICH KRETSCHMAR Geologists R.R. #1, Severn Bridge, Ontario, P0E 1N0, Canada (705) 689-6431

STATEMENT OF EXPENDITURES - MUNRO GROUP

1) Contract Fees:

U. Kretschmar	3 days @ $180.00/day - July 6; Aug. 5, 7	$540.00
Dave Saunders	1 day @ $ 59.73/day - July 12	59.73
Larry Freeman	3 days @ $ 66.00/day - July 11, 12; Aug. 5	198.00
Barbara Sheinberg	2 days @ $ 58.00/day - July 12; Aug. 5	116.00
	Sub-Total	$913.73

2) Food and Accommodation:

9 man days @ $ 20.00/man day	$180.00

3) Transportation:

helicopter charter 2.5 hrs. @ $360.00/hr. - July 12; Aug. 5	$900.00

4) Supplies and Equipment:

3 field days @ $ 39.90/day	$119.70

5) Communications:

3 field days @ $ 3.43/day	$ 10.29
TOTAL EXPENDITURES	$2123.72

Dianne Kretschmar

Dianne Kretschmar

STATEMENT OF QUALIFICATIONS

I, Ulrich Kretschmar, of R.R. #1, Severn Bridge, Ontario POE 1NO certify that:

1. I am a mining exploration geologist and Fellow of the Geological Association of Canada.
2. I am a graduate of McMaster University (B.Sc. 1966, M.Sc. 1968), McGill University and University of Toronto (Ph.D. 1973).
3. I have worked as an exploration geologist in Canada and Alaska for Cominco Ltd.; Watts, Griffis and McOuat Ltd.; Resource Associates of Alaska and others.
4. I worked on the Munro property during July and August 1980.

D. Kretschmar
for Ulrich Kretschmar, Ph.D.

September 14, 1980
Premier, B.C.

LEGEND

INTRUSIVES

Tb TERTIARY BOUNDARY GRANODIORITE (49.0my.)

HAZELTON GROUP METASEDIMENTS

6 BLACK SILICEOUS SILTSTONE· ARGILLITE ·CARBONACEOUS TUFF

— — CONTACT

FAULT

50 SPHALERITE · GALENA VEIN WITH DIP

20 STRIKE AND DIP OF BEDDING

AREA OF OUTCROP

M LATERAL MORAINE

SAMPLE LOCATIONS AND NUMBERS

X ROCK

O TALUS FINE

SALMON GLACIER

NOT MAPPED

SNOW

SNOW

SALMON GLACIER

N.

MAG N.

29°

SCALE 1:5000

0 400 1200 FEET

0 200 400 METERS

GEOLOGY BY: U. KRETSCHMAR · B. SHEINBERG:
L. FREEMAN · D. SAUNDERS JULY · AUGUST 1980

DRAFTED BY: J. DANIELS OCTOBER 1980

BASE MAP FROM ENLARGEMENT OF 1:20,000 SCALE AIR PHOTO

MINER[illegible]OURCES BRANCH
ASSESSMENT REPORT
8540

FIG. 3

IKRETSCHMAR

HOUSTON INTERNATIONAL MINERALS CORP.

RECONNAISSANCE GEOLOGICAL MAP MUNRO GROUP

NTS 104B/1E STEWART · B.C.