

G E O L O G I C A L R E P O R T

W O O D B I N E C L A I M G R O U P

RECORD NO. 699 (8) to 702 (8); 1405 (7)

STEWART AREA, BRITISH COLUMBIA

Skeena Mining Division

NTS 104 B/1E

lat: 56° 03.5'N long: 130° 02'W

Owner and Operator

Ocean Home Exploration Ltd.
Box 3174, Station B
Calgary, Alberta T2M 4L7

Contractors and Authors

Dianne and Ulrich Kretschmar
R.R. #1
Severn Bridge, Ontario POE 1N0

Date Submitted:

31st August, 1979

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

7522

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INTRODUCTION

The Woodbine claim group consists of five Reverted Crown Granted Mineral claims totalling 64.98 hectares. The property includes both the old Woodbine and Premier Extension groups. It is bounded on the east by the British Silbak Premier property and on the north and west by the Azure Resources Indian property. The claims on the southern flank of Indian Hill between 330 meters (1000 feet) and 660 meters (2000 feet) in elevation, about 13 kilometers north of Stewart. (Fig. 1)

Access is via the Woodbine foot trail which heads south from mile 17.5 on the Granduc road. The muckpile at No. 2 adit is a suitable helipad.

The terrain is steep and heavily vegetated with hemlock, spruce and underbrush consisting mainly of blueberry bushes and devil's club.

Physical work on the property consisted of locating and brushing out trails leading to the old workings.

Current owner and operator is Ocean Home Exploration Ltd. of Calgary. Economic assessment of the property is being carried out with the first step consisting of geological mapping at a scale of 1:12,000 and locating and assay sampling previously known showings on the property.

HISTORY

Work on the Woodbine group started in 1920 and was carried out intermittently by a succession of companies until 1936.

Surface mineralization in a silicified and pyritized zone occurs in two main areas and there are scattered minor showings. Tunnels were driven on the main mineralized areas and the silicified and pyritized zones were explored by diamond drilling, trenching and stripping but only a few small isolated lenses of significant mineralization were found. The last recorded work on the property was in 1936 by the Premier Extension Gold Mining Company.

The best assays reported in the literature are as follows:

1. From an open cut above the No. 1 tunnel, 35 ft. of pyritized volcanics with a 15 ft. portion in the center mineralized with sphalerite and galena, assaying \$15.00 per ton in gold and silver (B.C. Minister of Mines Report for 1925, p. A100).
2. The lower adit is about 3000 ft. long and discloses a large area, 900 ft. long in a northeasterly direction and about 400 ft. wide, that is mainly silicified and pyritized porphyry. Picked samples are reported to contain high values in gold. (G. Hanson, 1935, Portland Canal area, B.C.; Geological Survey of Canada, Memoir 175, p. 170).
3. At the upper adit on the Premier Extension workings, 9 ft. of mineralization assayed 0.02 oz. per ton gold, 0.3 oz. per ton silver, 0.6% zinc and trace lead. (B.C. Minister of Mines Report for 1929, p. C108).

LAND

The Woodbine Group of five Reverted Crown Granted mineral claims consists of the following lots, as shown on Figure 2.

<u>RECORD NO.</u>	<u>LOT</u>	<u>CLAIM NAME</u>	<u>HECTARES</u>
699 (8)	4124	Vancouver No. 2	10.85
	4125	Vancouver No. 3	3.14
	4425	P.X. Fr.	0.96
700 (8)	4122	Vancouver No. 1	11.57
	4126	Woodbine No. 1 Fr.	0.60
701 (8)	4046	Kitchener	12.91
	4121	Vancouver	11.88
702 (8)	4045	Woodbine	13.03
1405 (7)	2855	Premier Fr. No. 2	0.04
<hr/>			<hr/>
5 claims			64.98

Record No. 699 (8) to 702 (8) were recorded 30th of August 1978.

Premier Fr. No. 2, Record No. 1405 (7) was recorded 11th of July 1979.

GEOLOGY

General

A preliminary geological map of the property is presented as Figure 3. Figure 4 is a more detailed map of the vicinity of No. 1 and No. 2 adits.

The property is entirely underlain by volcanic rocks of the Bear River formation of the Hazelton Group. 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 75, Section A), but in the Stewart area it may be upper Triassic, since the Texas Creek granodiorite intrusion has been dated at about 200 m.y. old. (J.G. Smith, 1977, Geology of the Ketchikan D-1 and Bradfield Canal A-1 quadrangles, Southeastern Alaska, U.S.G.S. Bulletin 1425).

Eocene (about 50 m.y. old) dikes of granodiorite emanating from the Hyder Quartz monzonite intrusion generally trend in a northwesterly direction across the property.

On the property scale, the structure appears to be simple. No major folds or faults could be discerned. Small shears trend about east to west and north to south. Units trend northwesterly and appear to dip to the west. In detail, contacts between porphyritic andesite flows or sills and felsic tuffs are difficult to define and there are probably some small scale offsets which have not yet been delineated.

Metamorphic grade is greenschist facies.

LITHOLOGYUnit 1

Rocks of Unit 1 are green tuffs and flows of andesitic composition. Locally feldspar crystals are visible, especially on weathered surfaces. On the Woodbine trail, just north of the collapsed bunkhouse and above No. 1 adit feldspar crystals are stained red - probably an indication of carbonate alteration. Dark green euhedral hornblende crystals may also be present. The andesitic tuffs are commonly calcareous.

Unit 2

Rocks of Unit 2 are porphyritic andesite flows or sills. The main difference from Unit 1 rocks is the presence of large (up to 2 to 3 centimeters in diameter) sanidine crystals. The sanidine phenocrysts are euhedral to subhedral, zoned and commonly contain chloritic inclusions. Other, smaller phenocrysts present are rounded quartz, euhedral hornblende and plagioclase. The quartz phenocrysts are also considered diagnostic of Unit 2, whereas hornblende and plagioclase may occur in either Unit 1 or 2.

Unit 2 rocks weather chalky white. They are massive with a characteristic blocky fracture.

Unit 3

This is a grey, pyritic, felsic, sometimes siliceous rock that weathers yellow and rusty. It may be tuffaceous or more massive with a vaguely fragmental appearance. Feldspar crystals are visible in places. Where it is tuffaceous, it is calcareous and sericitic.

Contacts with Unit 2 are gradational and indistinct. Rocks of Unit 3 are best exposed along the cliff south of No. 2 adit. Unit 3 is not traceable to the northwest along strike, and possibly the rock represents silicified and pyritized porphyritic andesite.

Intrusive Rocks

Unit 4

These are andesite sills or dikes. The rock is grey to green, soft, equigranular and massive weathering.

Unit 5

Felsic dikes of Unit 5 are creamy white weathering, siliceous and aphanitic. Margins of the dikes are flow banded and resemble bedded chert.

Unit Th

These are Tertiary (about 50 m.y. old) granodiorite dikes emanating from the Hyder Quartz Monzonite pluton. The main constituents are feldspar, hornblende and quartz. The rock is leucocratic, medium to coarse grained and equigranular.

MINERALIZATION

Mineralization in the vicinity of No. 1 and No. 2 adits consists of pyrite, sphalerite, galena, minor chalcopyrite and unidentified sulfosalts in silicified and chloritized porphyritic andesite.

There are three types of occurrences:

- a) semi-massive banded pyrite-sphalerite-galena. This was observed in the trench above No. 1 adit and on the muckpile from the No. 2 adit (now collapsed).
- b) pyrite, sphalerite and galena occurring in a dark green chloritic matrix interstitially to subangular breccia fragments. The breccia fragments may be green, chloritic andesite as in the trench above No. 1 adit or siliceous rock rimmed by white quartz. The latter texture resembles igneous "orbicular" texture and was observed on the cliff face above No. 2 adit.
- c) pyrite, sphalerite and sulfosalts in porphyritic andesite. The andesite is commonly slightly silicified and contains drusy quartz-calcite veins.

Mineralization in the old Premier Extension workings is predominantly disseminated pyrite in grey siliceous breccia and felsic tuffs. Minor galena occurs in a thin stringer in one sample. (79-1008).

Sixteen assay, rock and soil samples were collected but results have not been received in time to be included in this report.

RECOMMENDATIONS

1. Open up the entrance to No. 2 adit. A rock drill and dynamite will be required to break up the large boulders which have caved in the portal area.
2. Map the No. 2 tunnel at a scale of 1:500.
3. Map the property at a scale of 1:5000.

STATEMENT OF EXPENDITURES - WOODBINE GROUP1) Contract fees:

U. Kretschmar	- 4 days at \$127.71 per day - July 3rd, 5th; August 11th, 29th	\$ 510.84
D. Kretschmar	- 7 days at \$127.71 per day - July 6th, 7th, 10th, 11th, 18th; August 11th, 29th	893.97

2) Food and accommodation, including wages of J. Patricia Helliwell,
cook. - 11 man days at \$49.18 per man day 540.98

3) Transportation: 4WD truck rental, fuel
- 11 man days at \$28.03 per man day 308.33

4) Supplies, including maps and air photos, tools
- 11 man days at \$12.12 per man day 133.32

5) Communications, including radio rentals
- 11 man days at \$9.76 per man day 107.36

TOTAL EXPENDITURES \$2494.80

PHYSICAL WORK

Two man days were spent on trail maintenance, locating and brushing
out old access trails, at a total cost of \$454.00

GEOLOGICAL WORK

Nine man days were spent on geological mapping at a total cost of
\$2041.00.

Dianne Kretschmar

DIANNE KRETSCHMAR

STATEMENT OF QUALIFICATIONS

I, Dianne Kretschmar of R.R. #1, Severn Bridge, Ontario POE 1N0
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. Honors in Geology and Chemistry, 1967).
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 Woodbine property during July and August, 1979.

Dianne Kretschmar

Dianne Kretschmar
Geologist

August 31st, 1979
Premier, B.C.

STATEMENT OF QUALIFICATIONS

I, Ulrich Kretschmar, of R.R. #1, Severn Bridge, Ontario POE 1N0
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 Woodbine property during July and August, 1979.

Ulrich Kretschmar
Ulrich Kretschmar, Ph.D

Ulrich Kretschmar

August 31st, 1979

Premier, B.C.

Map from NTS sheets 103P + 1030,
104A and 104B

Drafted by : DKK 30 Aug. 1979

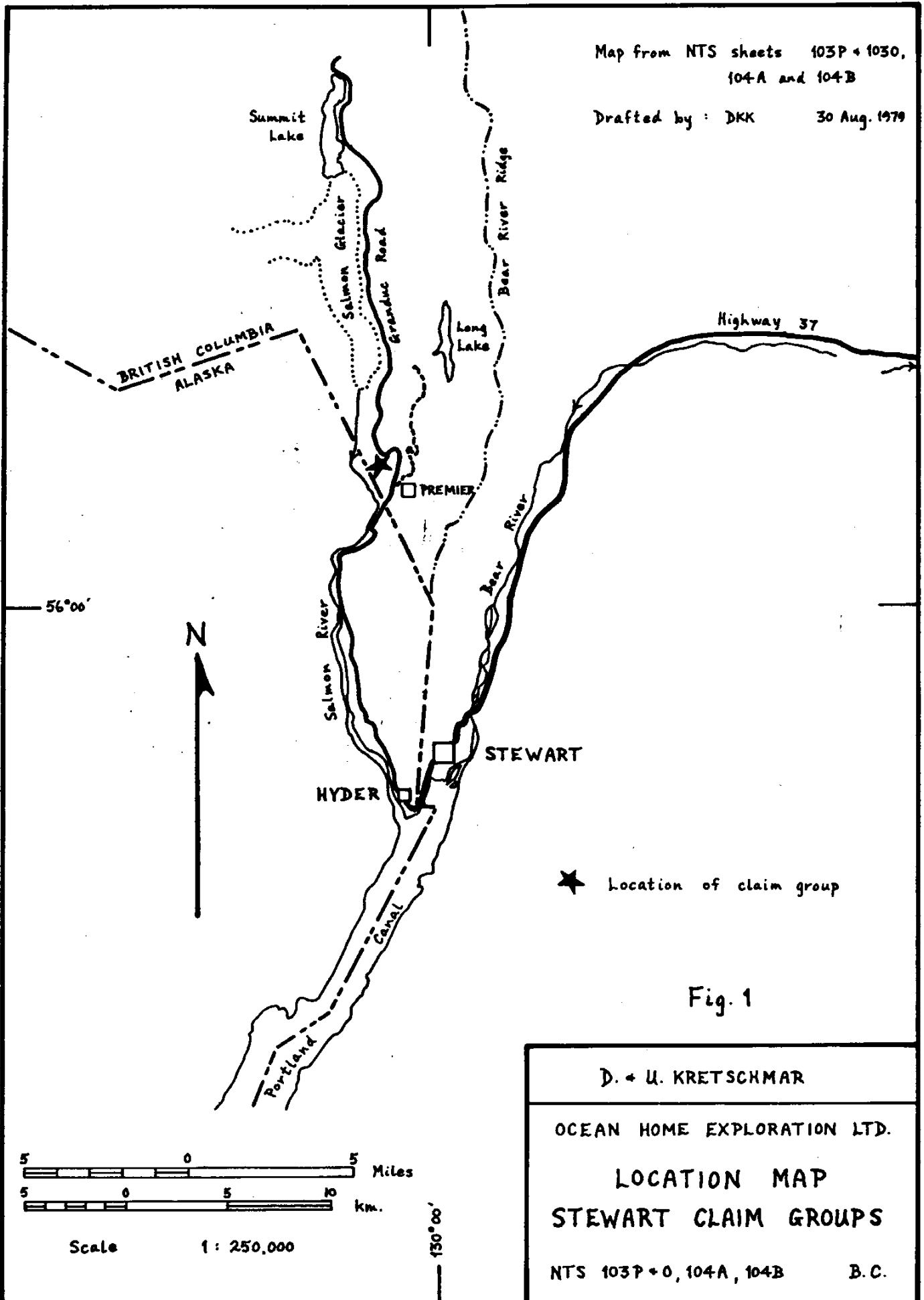


Fig. 1

D. + U. KRETSCHMAR

OCEAN HOME EXPLORATION LTD.

LOCATION MAP
STEWART CLAIM GROUPS

NTS 103P + 0, 104A, 104B

B.C.

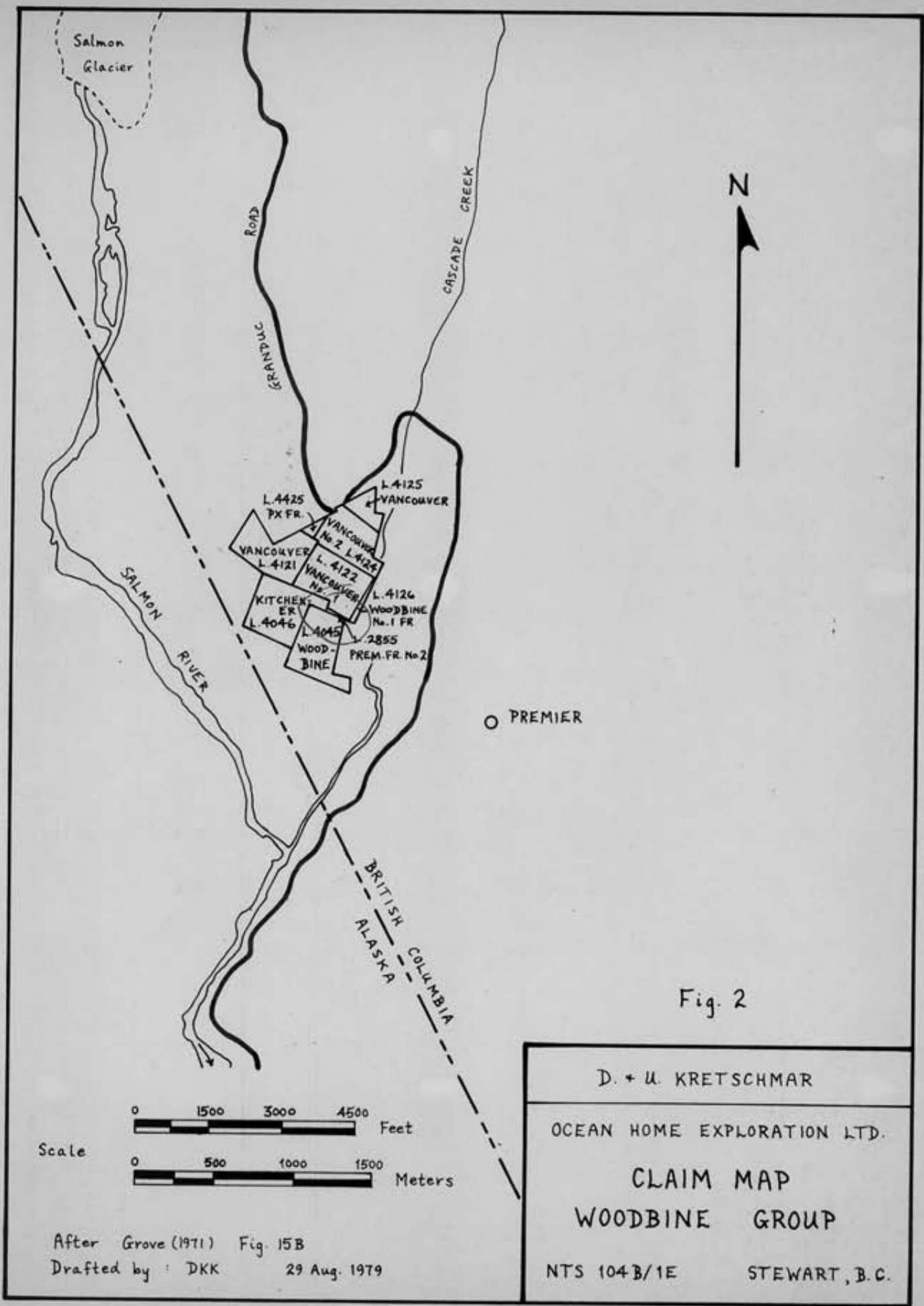


Fig. 2

D. + U. KRETSCHMAR

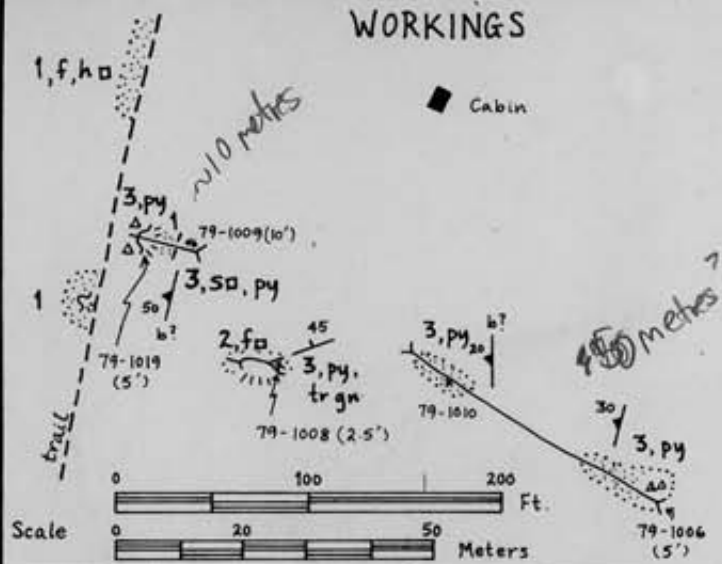
OCEAN HOME EXPLORATION LTD.

CLAIM MAP

WOODBINE GROUP

NTS 104B/1E STEWART, B.C.

DETAIL of PREMIER EXTENSION WORKINGS



LEGEND

INTRUSIVES

- Th Tertiary Hyder granodiorite dike
- 5 Felsite dike or sill
- 4 Andesite sill or dike

HAZELTON GROUP VOLCANICS

- 3 Felsic tuff, pyritic
- 2 Porphyritic andesite flows or sills
- 1 Green andesitic fragmentals, possibly some flows. Mainly tuff

- — — Contact
- 20 / Strike and dip of bedding
- 40 / Strike and dip of foliation
- ⊙ Adit, muckpile
- Open cut
- ⊙ Area of outcrop
- ⊙ T tuff size fragmental
- Δ breccia size fragmental
- phenocrysts
- q quartz
- f feldspar
- s sanidine
- h hornblende
- py pyrite
- sp sphalerite
- gn galena
- sf sulfosalts
- tr trace
- x 79-0001 rock sample

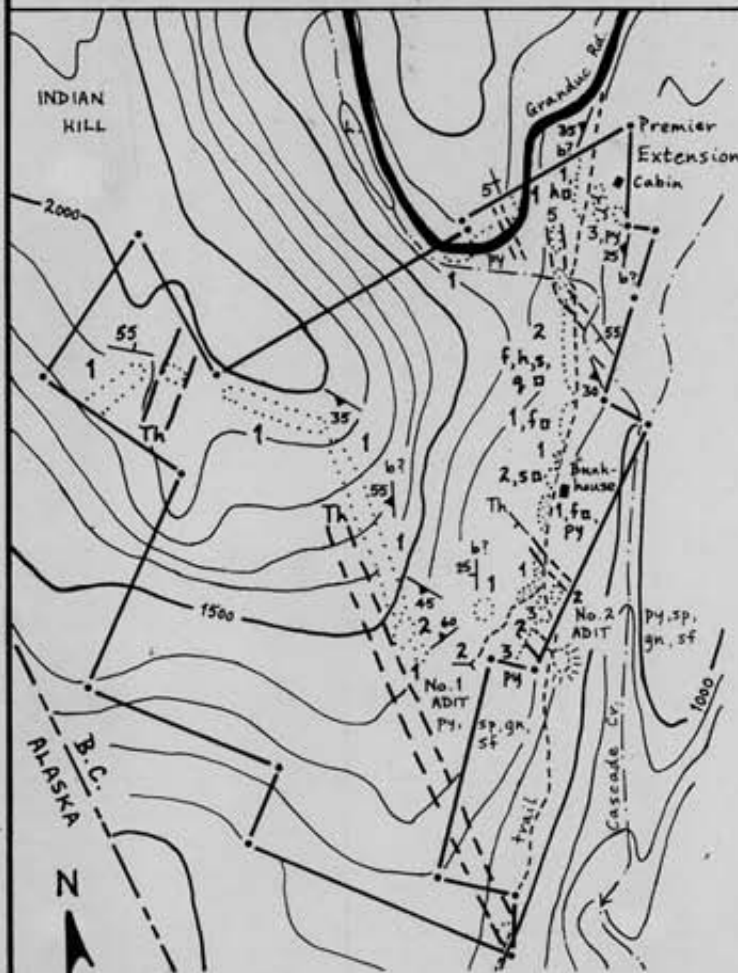


Fig. 3

D. + U. KRETSCHMAR

OCEAN HOME EXPLORATION LTD.
PRELIMINARY GEOLOGICAL MAP
WOODBINE GROUP

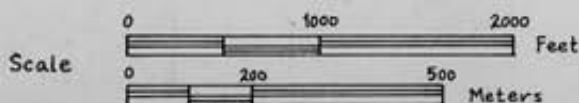
NTS 104 B/1 E

STEWART, B.C.

Geology by : DKK, UK

Drafted by : DKK Aug. 30 / 79

Base map from photoenlargements of
NTS 104 B/1 E (Prelim. 1:31,680)



LEGEND

INTRUSIVES

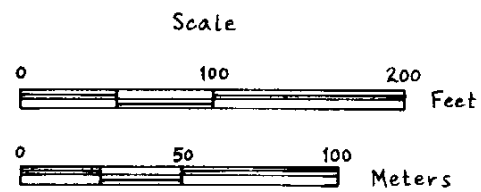
- Th Tertiary Hyder granodiorite dike
- 4 Andesite sill or dike

HAZELTON GROUP VOLCANICS

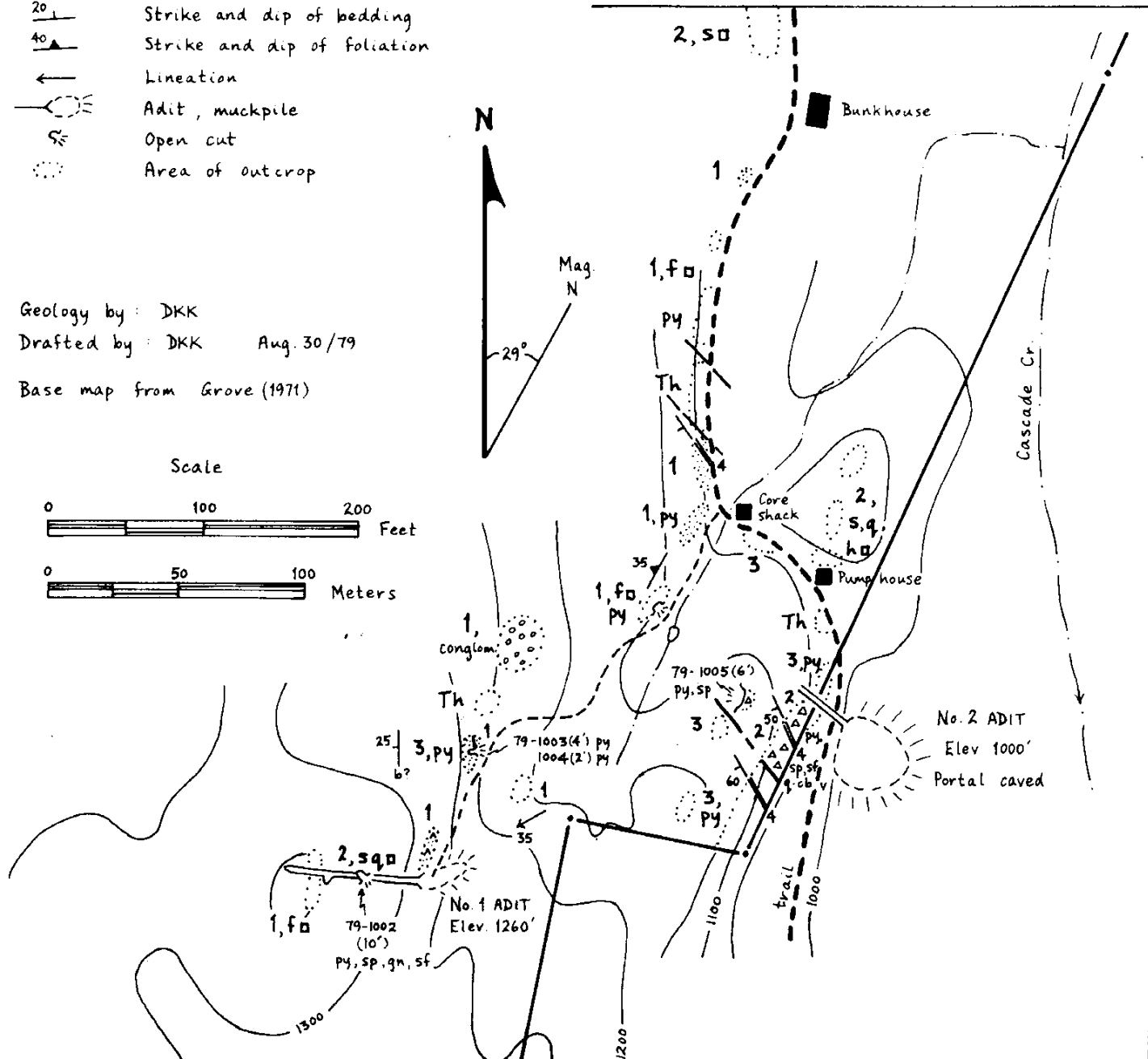
- 3 Felsic tuff, pyritic
- 2 Porphyritic andesite flows or sills
- 1 Green andesitic fragmentals, possibly some flows. Mainly tuff

- Contact
- $\frac{20}{|}$ Strike and dip of bedding
- $\frac{40}{|}$ Strike and dip of foliation
- ← Lincation
- ⊖ Adit, muckpile
- ⊕ Open cut
- Area of outcrop

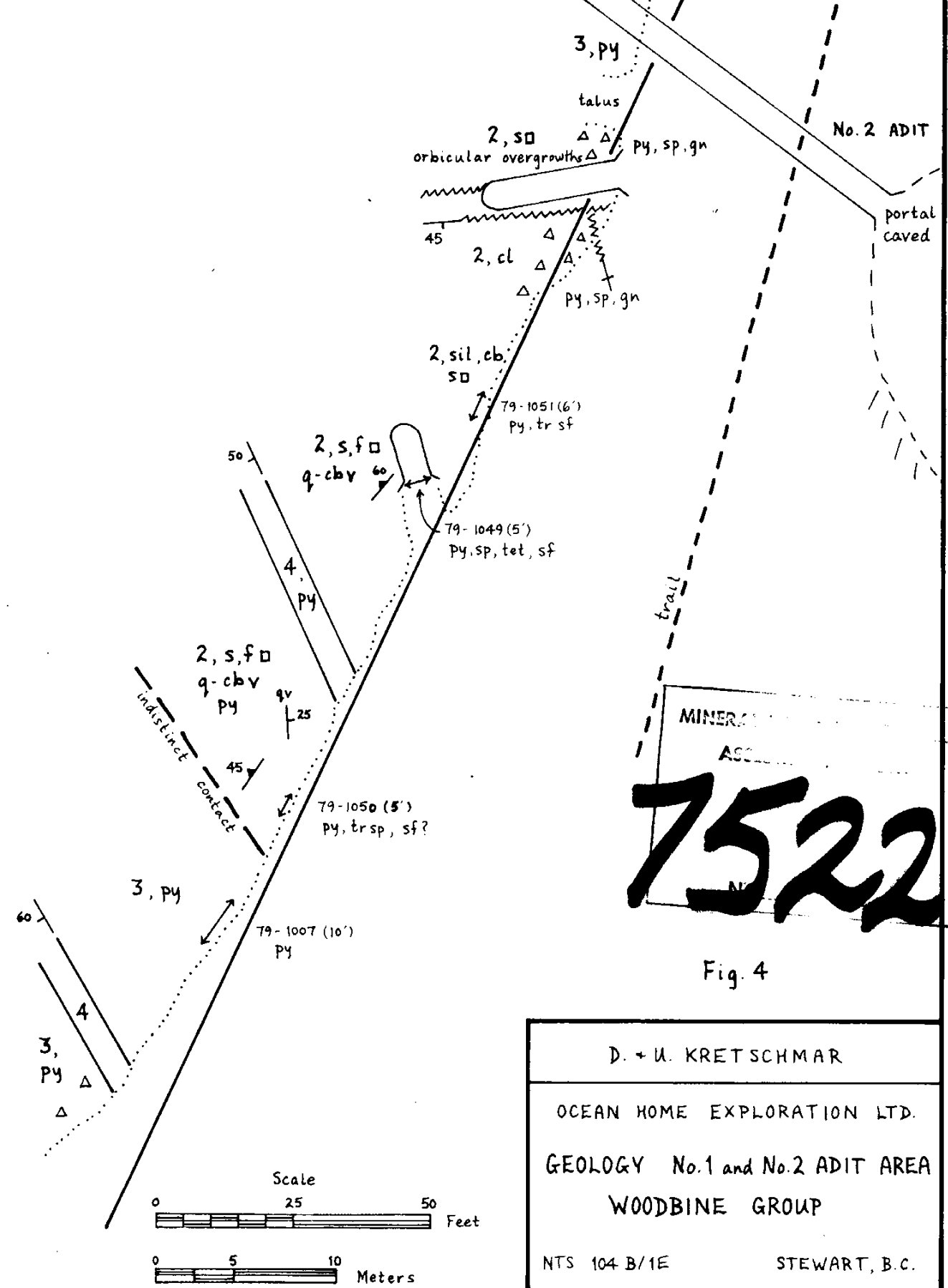
Geology by: DKK
 Drafted by: DKK Aug. 30/79
 Base map from Grove (1971)



- ⊙ tuff size fragmental
- △ breccia size fragmental
- cl chloritic
- sil siliceous
- cb calcite, calcareous
- v veins
- x 79-0001 rock sample
- phenocrysts
- q quartz
- f feldspar
- s sanidine
- h hornblende
- tr trace
- py pyrite
- sp sphalerite
- gn galena
- tet tetrahedrite
- sf sulfosalts



DETAIL of No. 2 ADIT BLUFF



MINERAL ASSOCIATION
7522

Fig. 4
 D. + U. KRETSCHMAR
 OCEAN HOME EXPLORATION LTD.
 GEOLOGY No.1 and No.2 ADIT AREA
 WOODBINE GROUP
 NTS 104 B/1E STEWART, B.C.