

GEOCHEMICAL REPORT

SLATE CLAIM GROUP

Record No. 697(9); 740(9) to 758(9);
782(10); 793(10); 794(10)
1428(7)

STEWART AREA

British Columbia

Skeena Mining Division

NTS 104A/4W and 104B/1E

Lat. $56^{\circ} 06'N$ Long. $130^{\circ} 00'W$

Owners:

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

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

Contractors and Authors:

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

Operator:

HIMCO
3301 C St. #505
Anchorage, Alaska
99503

Date Submitted:

October 3, 1980

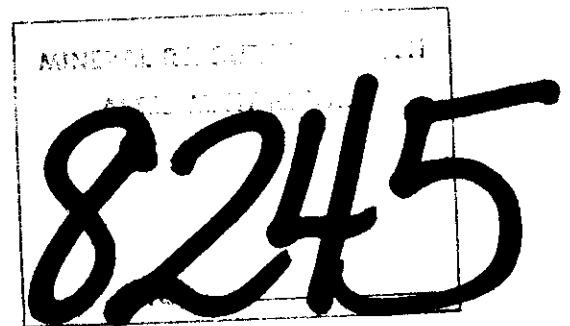


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INTRODUCTION:

The Slate claim group consists of 22 Reverted Crown Granted Mineral claims totalling 420.33 hectares and two 2 - post claims. The property is centered on Slate Mountain about 18 km north of Stewart (Figure 1). Access to different parts of the property is via Big Missouri Road or via boat from Long Lake. On the east, the property is bounded by the Bear River ridge and on the south by the British Silbak Premier property and Azure Resources's New Indian property (Figure 2).

The terrain is moderately steep. Much of the property lies above 1000 meters elevation, where stunted spruce is the major flora.

Current owner is Ocean Home Exploration Ltd. of Calgary. HIMCO, Anchorage, Alaska is the operator. Economic assessment of the property is being carried out. A geological report was submitted in 1979. Assay and rock geochemical data is presented in this report accompanied by geological and sample location maps from the 1979 report.

GEOCHEMISTRY:

Assay and rock geochemical samples were analyzed by Barringer Research, Denver, Colo. Assays results are presented in Table 1. The best assay is a grab sample from trenches north of the Bush adits (sample 79-1054). Other significant assays are from trenches above the Start adit. Because there seemed to be no correspondence between the mineralization observed and the assays received, all assays presented in Table 1 were reanalyzed by Chemex Labs. Ltd., Vancouver. Results are presented in Table 3 and show very little similarity. The best assay sample (79-1053) is from the Lakeshore adit.

A variety of rock chip samples were analyzed. Results are shown as Table 2 and reanalyses as Table 4.

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

Drafted by: D. Kretschmar
30 Aug. 1979

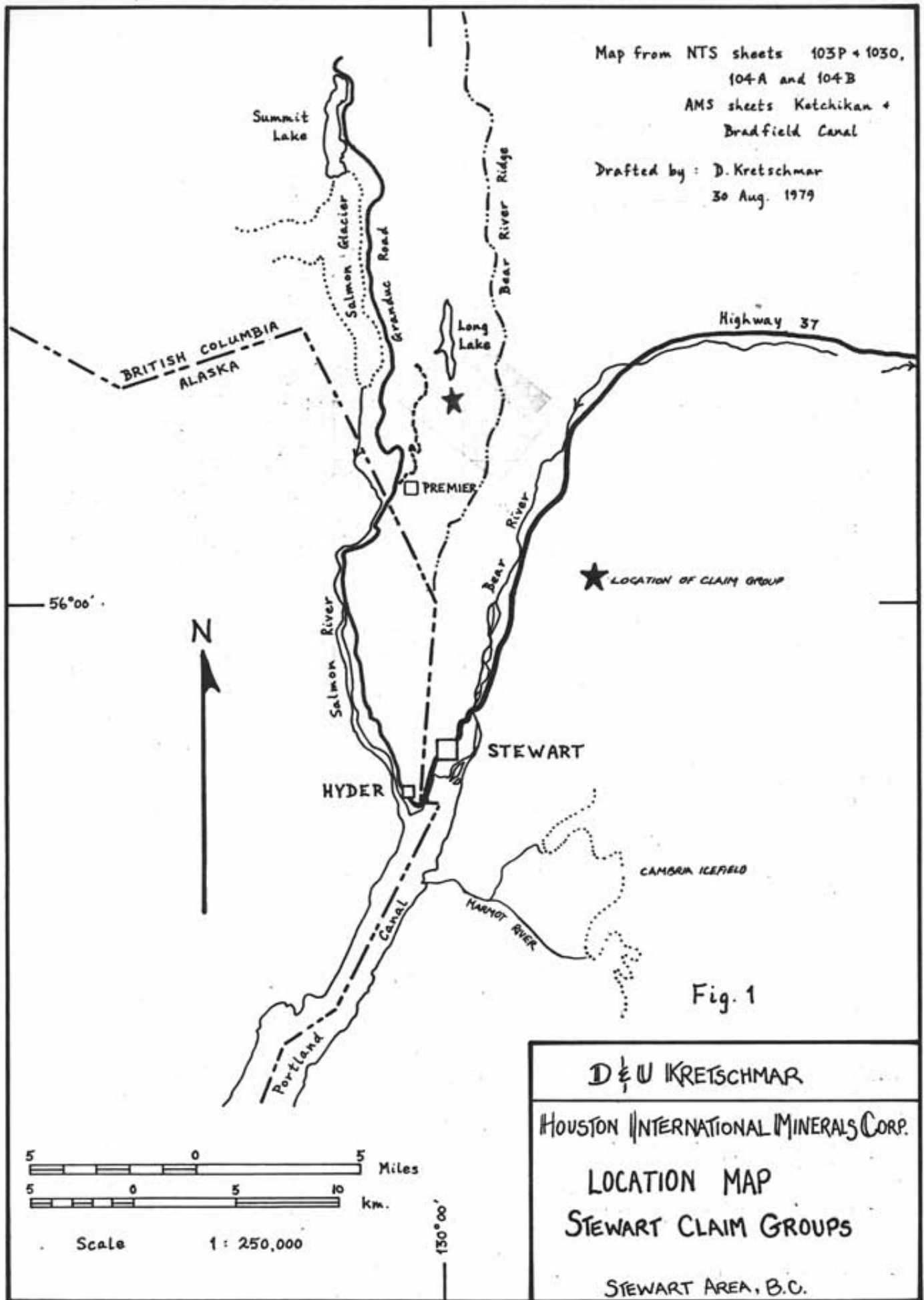


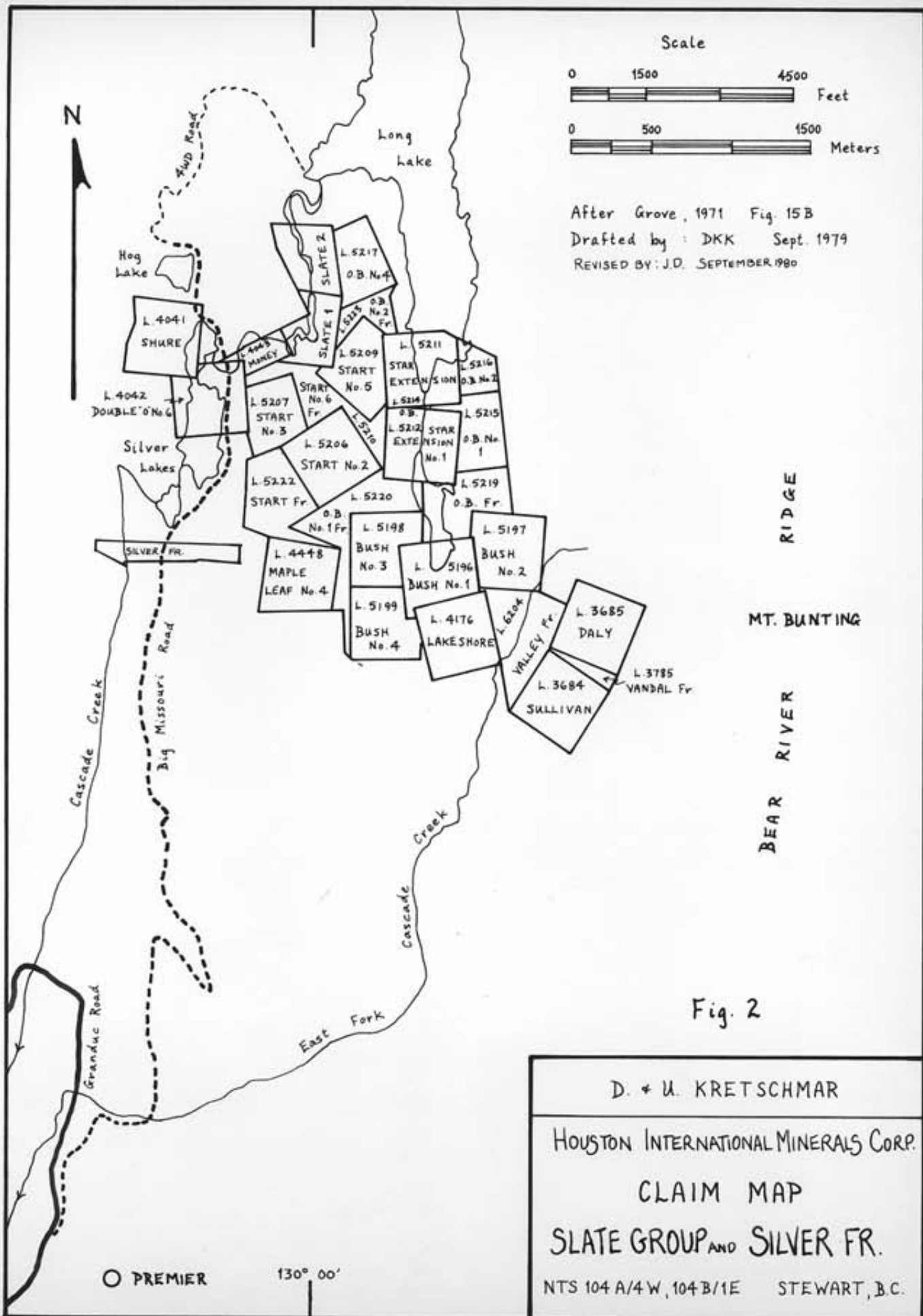
Fig. 1

D & U KRETSCHMAR

HOUSTON INTERNATIONAL MINERALS CORP.

LOCATION MAP
STEWART CLAIM GROUPS

STEWART AREA, B.C.



Scale

0 1500 4500
Feet

0 500 1500
Meters

After Grove, 1971 Fig. 15B

Drafted by: DKK Sept. 1979

REVISED BY: J.D. SEPTEMBER 1980

RIDGE
MT. BUNTING
BEAR RIVER

Fig. 2

D. + U. KRETSCHMAR

HOUSTON INTERNATIONAL MINERALS CORP.

CLAIM MAP

SLATE GROUP AND SILVER FR.

NTS 104 A/4 W, 104 B/1 E STEWART, B.C.

○ PREMIER

130° 00'

TABLE 1

SLATE CLAIMS - ASSAY RESULTS

<u>Sample No.</u>	<u>Width (ft.)</u>	<u>Cu %</u>	<u>Pb %</u>	<u>Zn %</u>	<u>Cd %</u>	<u>Ag oz/T</u>	<u>Au oz/T</u>	
79-1023	7	0.015	<u>1.7</u>	<u>7.0</u>	0.086	<u>2.9</u>	< 0.0006	<i>± Start 1 adit</i>
79-1024	selected	0.028	<u>1.5</u>	<u>9.3</u>	0.12	<u>2.0</u>	0.016	<i>Start 2 adit</i>
79-1053	2.5	0.02	0.42	0.31	0.005	0.2	0.001	<i>Lakeshore adit</i>
79-1054	4	0.19	<u>2.8</u>	0.21	0.003	<u>5.54</u>	0.002	<i>N. of Bush north</i>
79-1055	selected	<u>1.5</u>	<u>11.</u>	0.85	0.018	<u>16.6</u>	0.0053	<i>N of Bush west</i>
79-1058	5	<u>1.1</u>	<u>3.5</u>	<u>3.4</u>	0.074	<u>7.88</u>	0.0035	<i>Lakeshore</i>

Note: Significant values are underlined.

DESCRIPTION OF ASSAY SAMPLES

- 79-1023: Coarse-grained blebs of sphalerite, galena and some pyrite in drusy quartz breccia vein. Breccia fragments in vein are feldspar porphyritic felsic tuff. Chip sample over 7' width at swelling in vein in open cut above Start No. 1 adit.
- 79-1024: Coarse-grained blebs of sphalerite, galena and minor pyrite in drusy quartz breccia vein material. Breccia fragments in vein are felsic tuff. Selected sample of mineralization on muckpile at Start No. 2 adit.
- 79-1053: Disseminated pyrite and tetrahedrite in grey siliceous dolomite. Chip sample over 2.5' width along wall of Lakeshore adit.
- 79-1054: Pyrite, galena, chalcopryrite and tetrahedrite? in milky quartz breccia vein containing fragments of black tuff. Some semi-massive pyrite sections and sections of cherty quartz showing banding. Chip sample over 4' width along north wall of trench north of Bush adit.
- 79-1055: Banded massive pyrite-galena plus some chalcopryrite and tetrahedrite? on footwall side of vein and quartz breccia vein material on hanging-wall side. Selected sample of best mineralization from muck in open cut.
- 79-1058: Pyrite, galena, tetrahedrite and minor sphalerite and chalcopryrite in quartz breccia vein. Chip sample over 5' width in trench above Lakeshore adit.

TABLE 2

SLATE CLAIMS - ROCK GEOCHEMICAL RESULTS

Sample No.	Cu ppm	Pb ppm	Zn ppm	Cd ppm	Ag ppm	Au ppm
79-0019	14	39	22		1.4	< 0.02
79-0020	16	12	38		< 0.2	< 0.02
79-0035	55	<u>780</u>	200		<u>23</u>	< 0.02
79-0036	27	229	<u>870</u>		9.4	0.08
79-0037	45	195	54		<u>48</u>	0.16
79-1020	22	26	40		0.4	< 0.02
79-1021	16	10	51		1.0	< 0.02
79-1022	72	<u>1800</u>	<u>2900</u>		<u>24</u>	< 0.02
79-1052	<u>850</u>	135	140	6	<u>12</u>	< 0.02
79-1056					<u>62</u>	0.06
79-1057	160	32	16		1.6	< 0.02

Note: Significant values are underlined.

DESCRIPTION OF ROCK GEOCHEMICAL SAMPLES

- 79-0019: Pyritic, silicified rock. Selected sample from open cut.
- 79-0020: Pyritic felsic tuff. Chip sample across 0.5 ft. Shure claim.
- 79-0035: Pyrite in brecciated open boxwork quartz vein in black tuff. Chip sample across 5' in open cut north of Lakeshore adit. 0.68 oz/T silver.
- 79-0036: Rusty pyritic carbonate-rich rock at contact of black tuff and thinly bedded argillaceous tuff. Grab sample. East Fork, Cascade Creek.
- 79-0037: Massive pyrite pod associated with boxwork quartz veins in black feldspar porphyritic tuff. Grab sample. South of Bush adits. 1.4 oz/T silver.
- 79-1020: No visible sulfides. Breccia fragments of grey feldspar-quartz porphyritic siliceous tuff in siliceous black matrix. Start No. 1 adit.

Table 2 (continued)

Description of Rock Geochemical Samples (continued)

- 79-1021: No visible sulfides. Grey fine grained siliceous tuff, autobreccia with matrix of black siliceous material and chalcedony. Chip sample over 4' along wall of Start No. 1 adit.
- 79-1022: Pyrite associated with drusy quartz-carbonate vein and brecciated black siliceous tuff. Chip sample over 3' width at face. Start No. 2 adit. 0.70 oz/T silver.
- 79-1052: Minor graphite in quartz vein and footwall grey dolomite showing malachite strain. Chip sample over 5' width along wall of Lakeshore adit. 0.35 oz/T silver.
- 79-1056: Pyrite and minor chalcopyrite in quartz breccia vein. Grab sample of talus from rusty cliff face near Bush North adit. 1.81 oz/T silver.
- 79-1057: Minor pyrite in quartz vein. Chip sample over 10' width, Bush North adit.

TABLE 3: REANALYSES OF ASSAY SAMPLES

Sample No.	Width (ft.)	Cu %	Pb %	Zn %	Cd %	Ag (oz/t)	Au (oz/t)	
79-1023	7	0.02	>0.4	>0.4	-	2.32	0.005	Start No 1
79-1024	Selected	0.03	>0.4	>0.4	-	1.54	0.092	Start No 2
79-1053	2.5	0.02	0.34	0.27	0.004	30.8	0.11	Lakeshore
79-1054	4	0.34	0.17	0.16	0.003	0.01	<0.003	N of Bush adit
79-1055	Selected	>0.40	>0.40	>0.40	0.016	2.29	0.014	"
79-1058	5	>0.40	>0.40	>0.40	>0.02	10.59	0.034	Lakeshore

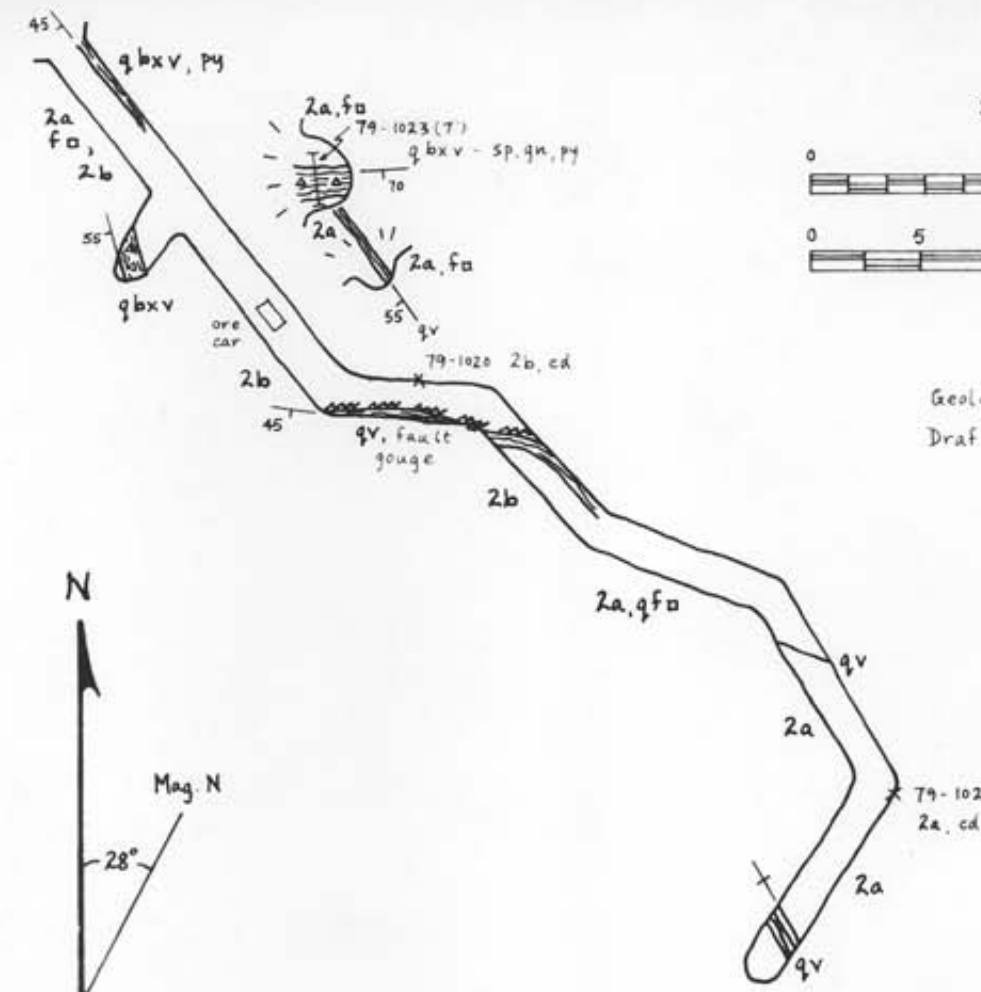
TABLE 4: REANALYSES OF ROCK GEOCHEMICAL SAMPLES

Sample No.	Cu ppm	Pb ppm	Zn ppm	Cd ppm	Ag ppm	Au ppm	
79-0019	10	62	32	0.2	0.34	<0.1	
79-0020	14	64	94	0.4	0.34	<0.1	
79-0035	46	900	230		18.52	0.1	
79-0036	22	250	935		6.17	0.55	
79-0037	36	230	80		37.04	1.03	
79-1020	12	30	114		0.34	<0.1	Start No 1
79-1021	12	28	82		0.34	<0.1	"
79-1022	60	1400	3100		17.84	<0.1	Start No 2
79-1052	670	100	80	0.4	6.17	0.10	Lakeshore
79-1056	4000	144	52		63.11	0.17	
79-1057	164	36	36		3.43	<0.1	Bush N

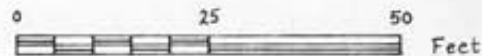
In conclusion, base metal mineralization is widespread on the Slate group but significant assays were obtained only in the Lakeshore adit area.

No. 1 Elev 3300'

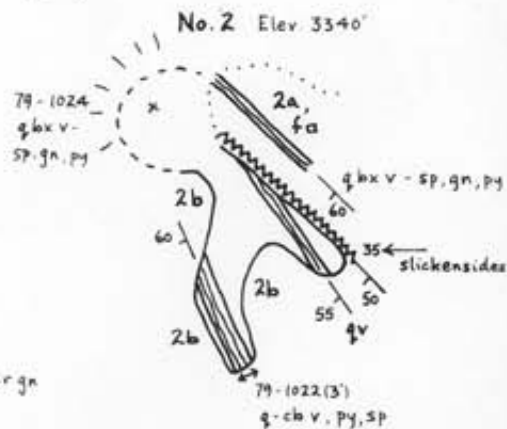
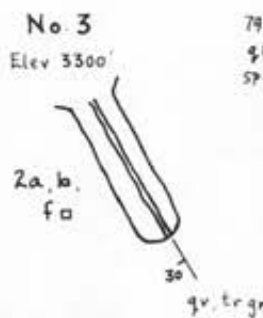
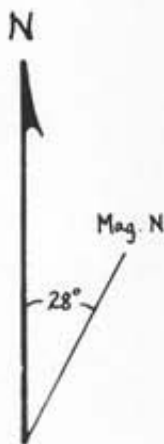
Fig. 4



Scale



Geology by DKK
 Drafted by DKK
 Sept. 1979



LEGEND

- | | | | |
|----|---|----|----------------|
| 2a | Felsic tuff and breccia | 60 | Strike and dip |
| 2b | Black shaley to silty lapilli tuff or breccia | bx | breccia |
| ~ | Fault | v | vein |
| ∩ | Open cut | tr | trace |
| □ | phenocrysts | py | pyrite |
| q | quartz | sp | sphalerite |
| f | feldspar | gn | galena |
| cb | carbonate | | |
| cd | chalcedony | | |
| | quartz vein | | |

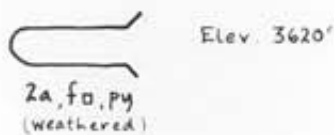
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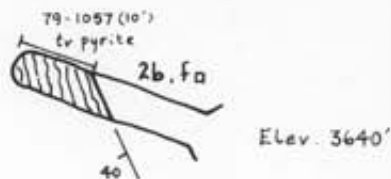
START ADITS
 SLATE GROUP

NTS 104A/4W, 104B/1E STEWART, B.C.

BUSH SOUTH ADIT



BUSH NORTH ADIT

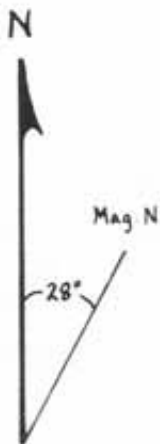
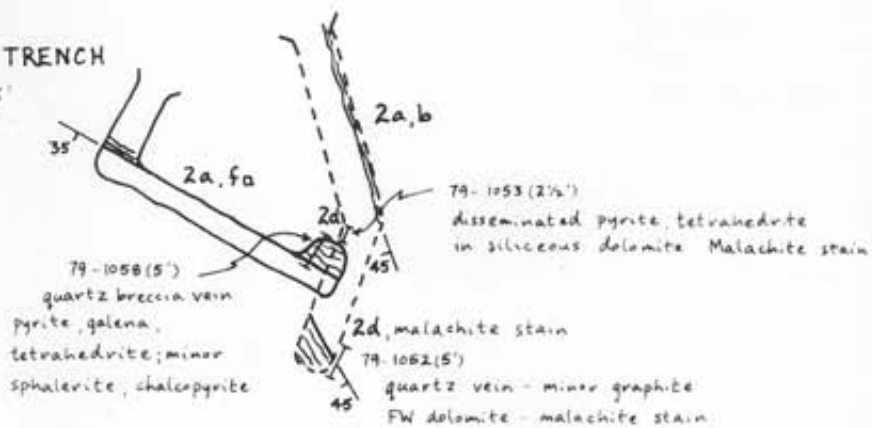


LAKESHORE ADIT

Elev 3450'

LAKESHORE TRENCH

Elev 3475'



Scale



Geology by DKK
 Drafted by DKK
 Sept 1979

Fig. 5

LEGEND

- 2a Felsic tuff and breccia
- 2b Black shaley to silty lapilli tuff or breccia
- 2d Grey siliceous dolomite, quartz phenocrysts
- ▨ Quartz vein
- ↘ Strike and dip
- phenocrysts
- f feldspar
- py pyrite

D. & U. KRETSCHMAR

HOUSTON INTERNATIONAL MINERALS CORP.

LAKESHORE and BUSH ADITS

SLATE GROUP

NTS 104 A/4 W

STEWART, B.C.

STATEMENT OF EXPENDITURES - SLATE GROUP

1) <u>Contract Fees:</u>		
U. Kretschmar	1 day @ \$180.00/day - Sept. 4	180.00
2) Assays and Rock geochemical analyses:		
1979 Assays	6 x \$34.25	205.50
1979 rock geochem.	9 x \$8.95 = \$80.55	
	1 x \$9.60 = \$ 9.60	
	1 x \$7.00 = \$ <u>7.00</u>	97.15
Reanalyses of Assays	6 x \$34.50	207.00
Reanalyses of Rock Geochem	9 x \$10.25 = \$92.25	
	1 x \$10.95 = \$10.95	
	1 x \$ 8.15 = \$ <u>8.15</u>	111.35
3) Freight to Denver, Colorado:		
17 samples	x 2 x \$ 1.12 =	<u>38.08</u>
	TOTAL	\$ 839.08
Total Expenditure:	\$839.00	
Withdrawal from PAC:	<u>61.00</u>	
Total applied to claims:	\$900.00	

Dianne Kretschmar

Dianne Kretschmar

DK/11d

STATEMENT OF QUALIFICATIONS

I, Ulrich Kretschmar, of R.R.#1, Severn Bridge, Ontario, POE INO,
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 Slate data during December, 1979, and October, 1980.

Dianne Kretschmar
for Ulrich Kretschmar, Ph.D.

October 3rd, 1980

Premier, B.C.

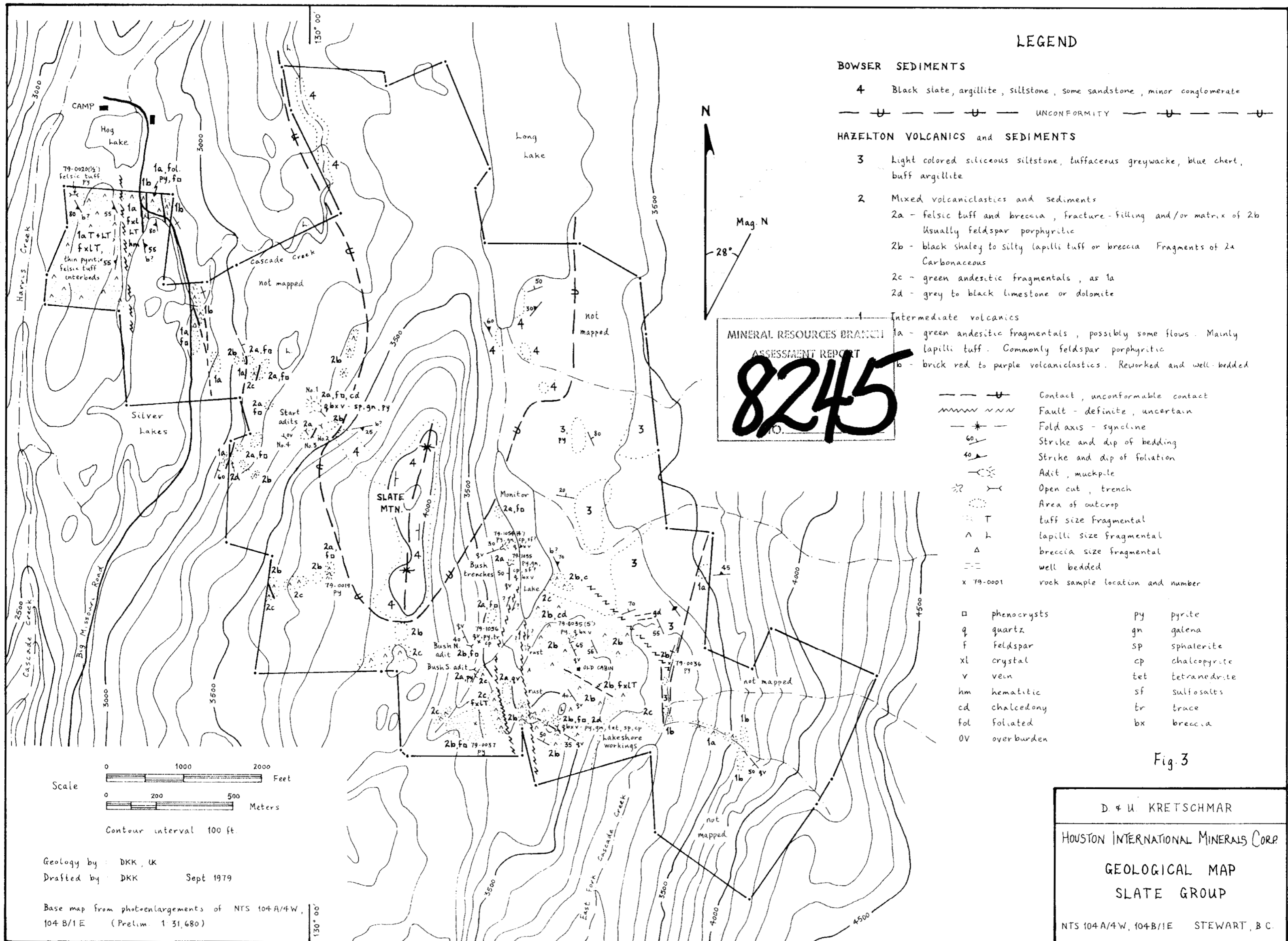


Fig. 3

D. & U. KRETSCHMAR

HOUSTON INTERNATIONAL MINERALS CORP.

GEOLOGICAL MAP

SLATE GROUP

NTS 104A/4W, 104B/1E STEWART, B.C.