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NTS: 104-A-4/103-P-13

JTN
1982 5/19/20

DU PONT OF CANADA EXPLORATION LIMITED

SUMMARY OF MINING PROSPECT

JTN
nick
U.S. ins.

OTTER PEAK PROPERTY

STEWART AREA

SKEENA MINING DIVISION

(BRITISH COLUMBIA)

SILVER PROSPECT

Examined by: J. T. Neelands
Date Examined: 1982 Aug. 18-19

SUMMARY

The Otter Peak property is underlain by Hazelton volcanics which host most of the gold and silver deposits in the area. Numerous quartz-carbonate veins on the property striking north and east contain thin (15 cm wide) veinlets of galena and fergusonite. The north veins are better exposed than the south veins. Vein systems 7 and 8, measuring 5 and 10 m wide respectively strike north and dip vertical. The property has been prospected but not geologically or geochemically surveyed.

More work is recommended because the property may have economic potential.

A budget of \$15,500 is proposed.

SUBMITTED BY: Steve Fegan & Wesley Scott
Vancouver, BC

~~876-1161~~ ~~433-5837~~

731-0497

SUBMITTED TO: J.T. Neelands

DATA SUBMITTED

Copies of:

1. Invoice from Cominco for "Lead Settlement".
2. Assay certificates from Coast Eldridge and J.R. Williams & Son Ltd.
3. Surveys of Crown Granted Claims - Montreal No. 1, Montreal No. 2 and Montreal No. 8.

REFERENCES

1. Geology and Mineral Deposits of the Stewart Area, British Columbia by E. W. Grove, British Columbia Department of Mines and Petroleum Resources, Bulletin No. 58, 1971.
2. Map 307A - Portland Canal Area, Scale 1:253,440, 1935

LOCATION AND ACCESS

The property is located 16 km northeast of Stewart, BC and 13 km east of the Stewart-Meziadin Highway at latitude 56°00' and longitude 129°45'. Access is by helicopter from Stewart via Vancouver Island helicopters. The property is located on the east side of Bitter Creek which drains north and then west into the Bear River, Figure 1. Logging has been carried out in the Bitter Creek valley and a logging road has been completed to within 3 km of the property. A camp has been constructed at 1500 m to give easy access to the veins, Figure 2.

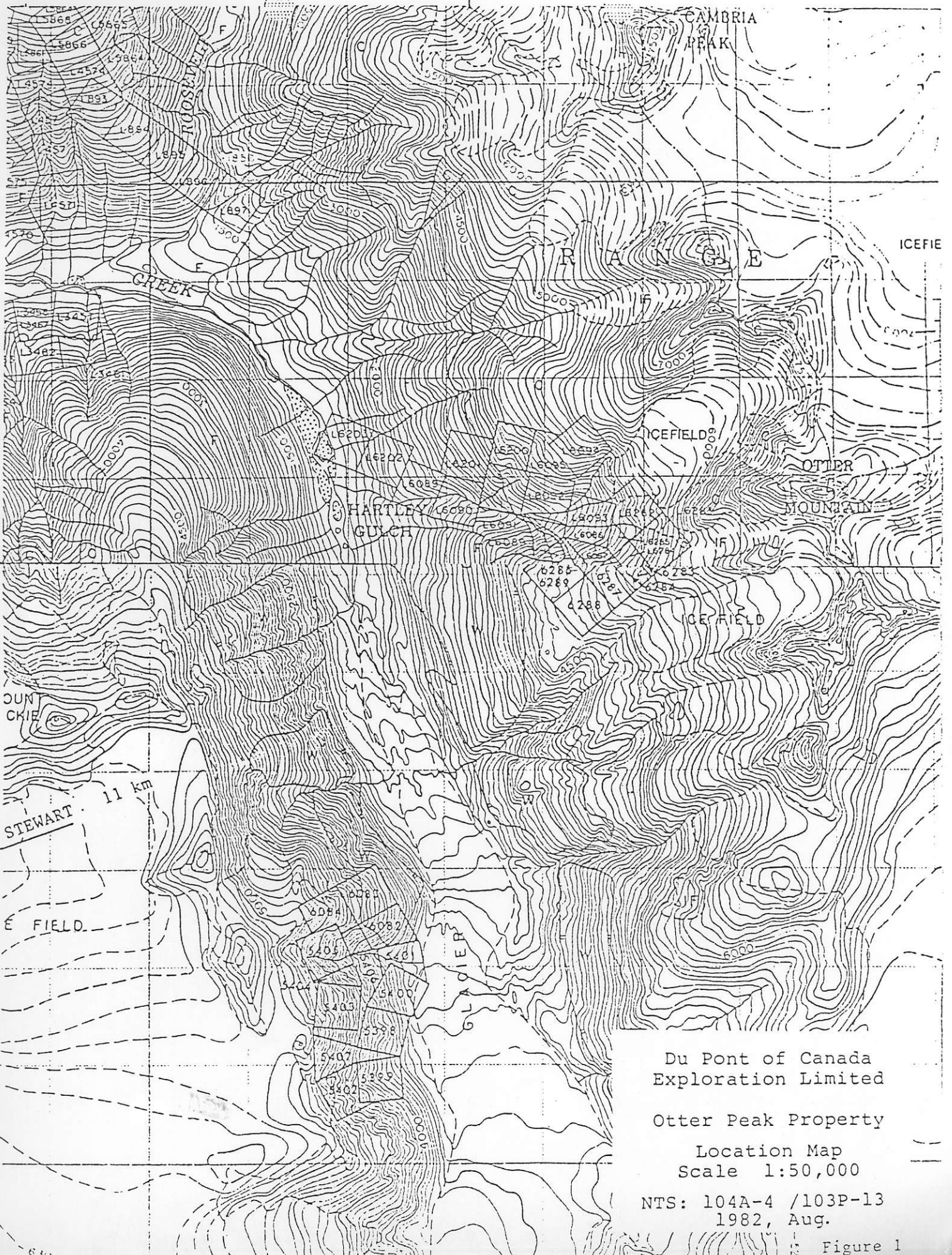
PROPERTY AND TITLE

The property consists of 8 crown granted claims, 7 2-post claims and 1 claim block consisting of 20 units, Figure 3.

Montreal No. 1 (137664), Montreal No. 2 (137665), Montreal No. 3 (137666), Montreal No. 4 (137667), Montreal No. 5 (137668), Montreal No. 6 (137669), Montreal No. 7 (137670), Montreal No. 8 (137671).

HISTORY

The property was acquired in 1979 from a Mr. Harkley who had prospected the property in the past. In 1949 the claims were surveyed. Hartley Gulch is named after Mr. Harkley. Mr. Fegan had helped Mr. Harkley remove 4,810 lbs of high grade material from the property in 1965. Since then Mr. Fegan and Mr. Scott have been trenching the property. They attempted to drill a few holes with their Winkie Drill but did not have much success as they encountered poor drilling.



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Otter Peak Property

Location Map
Scale 1:50,000

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Figure 1

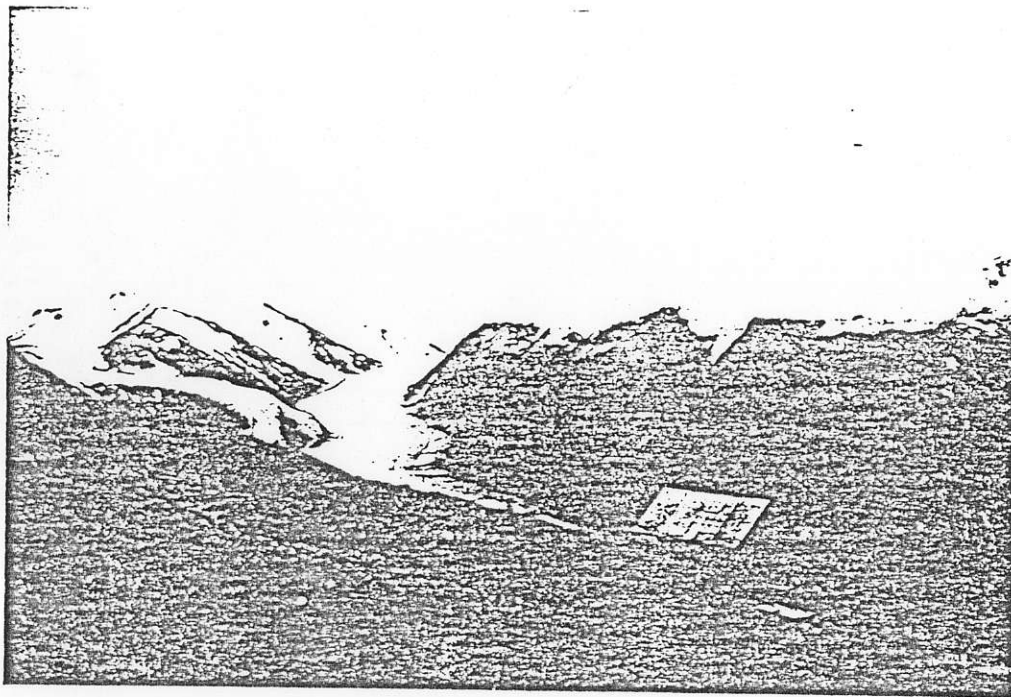
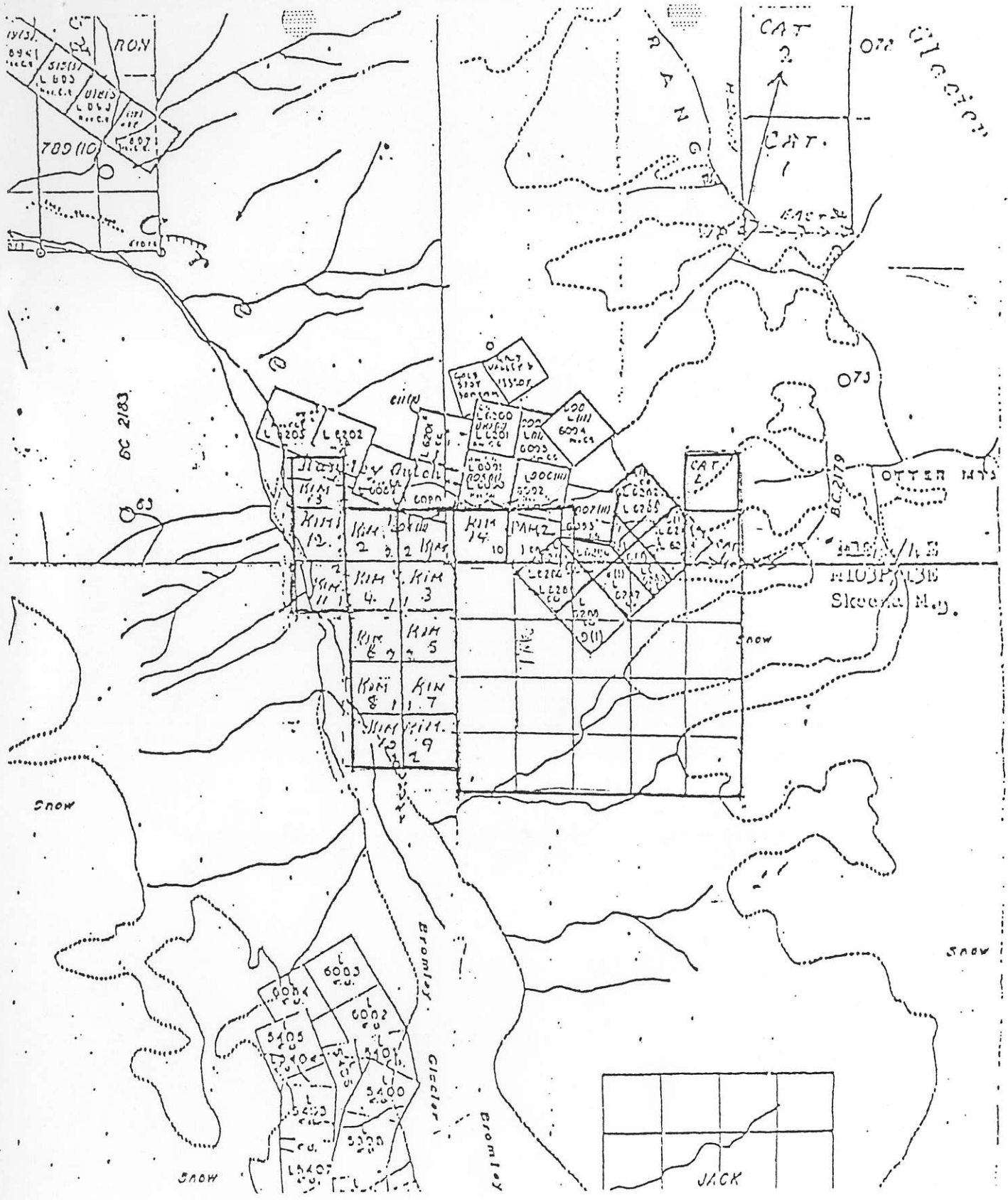


Figure 2 Looking south up Bitter Creek Glacier



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Otter Peak Property

Claim Map

Scale 1:50,000

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GEOLOGY

The claims are underlain by epiclastic and pyroclastic rocks interbedded with argillite which strike north and dip vertically. Minor felsic dykes occur on the property and generally conform to stratigraphy.

VEINS AND MINERALIZATION

Seven veins and vein systems occurring within an area approximately equal to 1 square kilometre were sampled, Figure 4. The north veins (Veins 1 to 4) generally strike east and dip steeply, and the south veins (Veins 5 to 8) generally strike north and dip between 50° to 70°, Figure 4a. The southern veins and vein systems are associated with more quartz and calcite and some are related to north-south shears which parallel the geological strike. The veins are hosted mainly by medium green tuff and epiclastics. Fragments in the epiclastics measure up to 15 cm in diameter. Alteration of silica and pyrite is extensive in the vicinity of the veins. The mineralization in the veins contains galena sphalerite and freibergite (tetrahedrite).

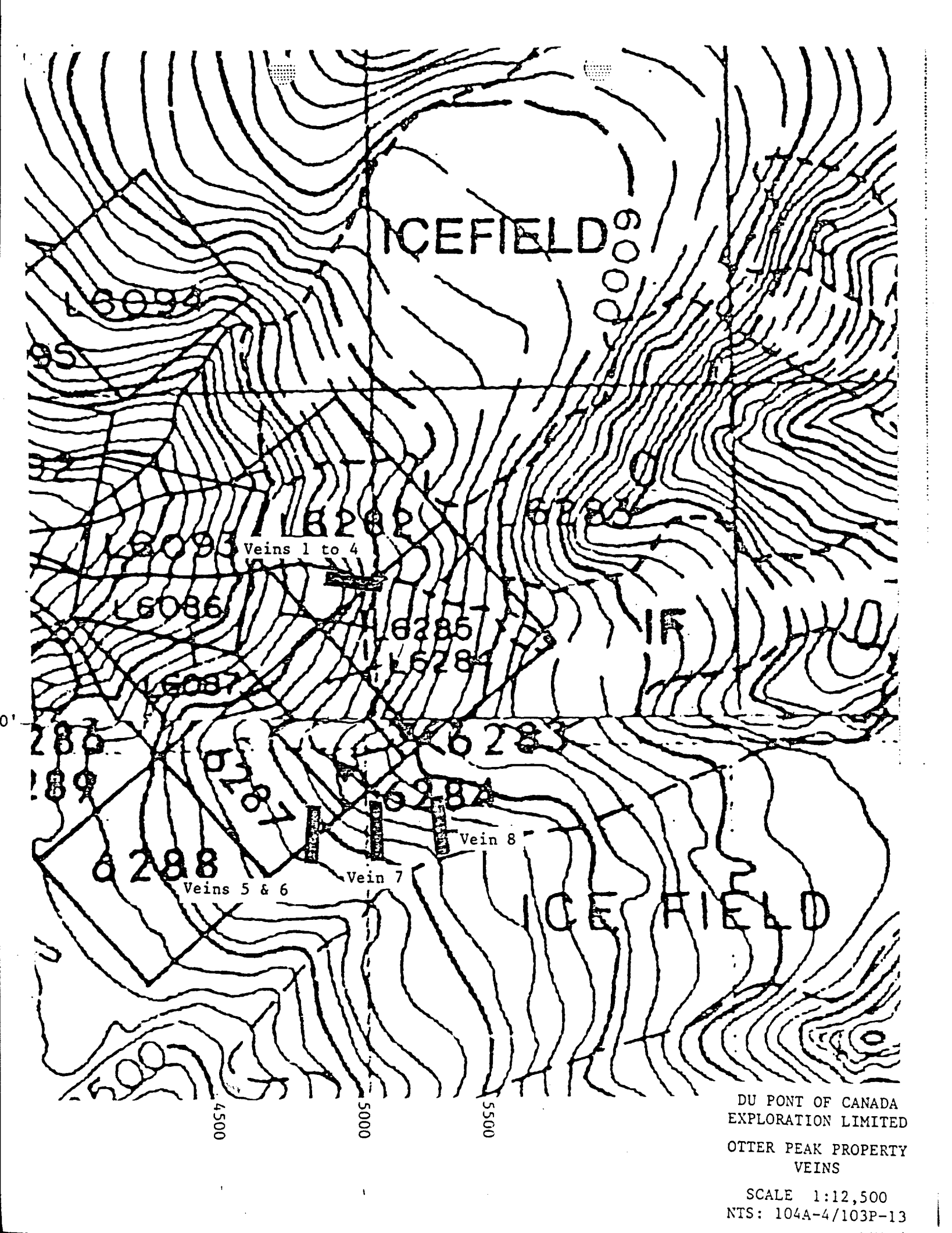
North Veins

The North veins are located near and in a branch of Hartley Gulch which strikes 100° (Figs 5 and 6). The veins (1 to 4) are generally narrow (<30 cm) and mineralization is generally sporadic along the length of the vein (Figs 7 & 8). Grab samples collected from these pods contain significant quantities of Ag - 9.10, 54.00, 83.00, 204.00 oz/ton Ag. The bulk sample of (4,870 lbs) collected south of Vein 1 contained 114.65 oz/ton Ag, 12.8% Pb, 21.7% Zn and 0.012 oz/ton Au.]?

South Veins

The South Veins are located along the edge of a ridge that generally strikes east, Figure 9. Two trenches, Trench A and B have exposed the more westerly veins (Veins 5 & 6) which strike north and northwest at shallow angles (Figure 10). The veins vary in thickness between 1.0 and 0.5 m with veinlets and disseminations of galena and sphalerite occurring along their length. These veins may be similar to veins 7 and 8 which are associated with shears. Sample H-9 of quartz float was collected 50 m northwest of the trenches.

Vein 7 occurs between 5 & 6 and 8. A thin lens of massive sphalerite occurs in a quartz-carbonate ladder vein that is one metre long in a shear zone that is 5 metres wide and strikes north.



ICEFIELD

Veins 1 to 4

Veins 5 & 6

Vein 7

Vein 8

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OTTER PEAK PROPERTY
VEINS

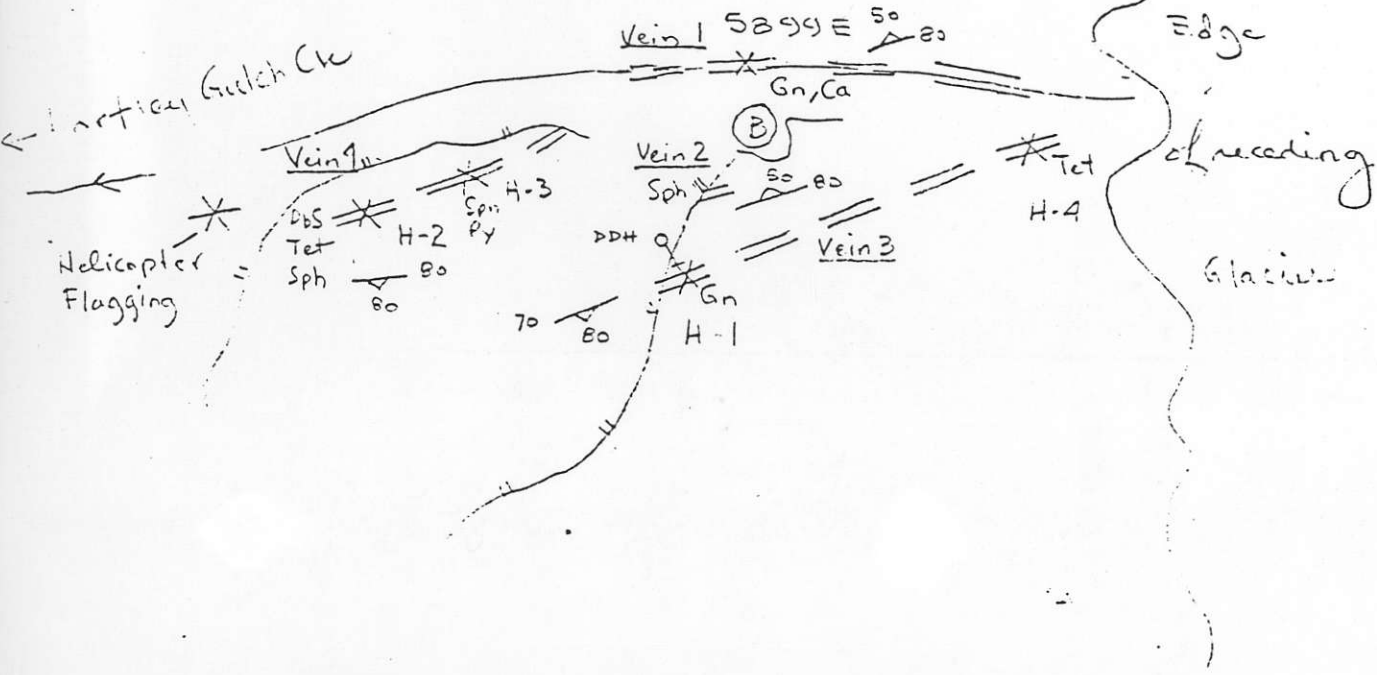
SCALE 1:12,500
NTS: 104A-4/103P-13

No.	Pb %	Zn %	Ag	Cu	Au
			oz/ton	PPM	PPB
9 E	23.40	15.40	83.00	3600	270
	1.17	1.96	9.10	570	10
	2.01	8.05	54.00	3000	60
	.06	.14	.82	83	5
	19.55	21.90	204.00	14300	475

0 10 20 30 40 50
m
Scale approximate



Note: All samples are grab samples.



- X-Ray DDH
- Strike and Dip of Vein.
- Edge of Outcrop.
- Ⓟ Bulk sample
- Gn Galena
- Sph Sphalerite
- Tet Tetrahedrite (Freibergite)

DuPort of Canada Exploration Ltd
Crest Peak Property
North Veins 1 to 4
NTS 109A-9/102P-13 1952, Aug.

Figure 1a



Figure 5 Looking northeast towards Northern Veins

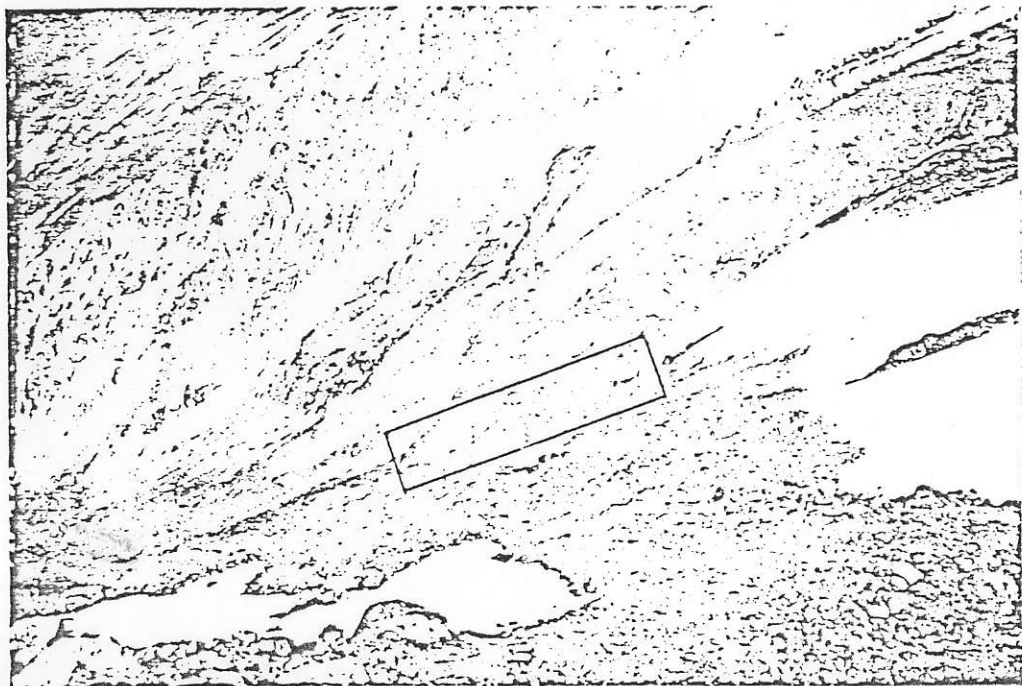


Figure 6 Looking north and down towards Northern Veins



Figure 7 Looking east at the upper portions of Veins 1 and 3
Location of sample H-4

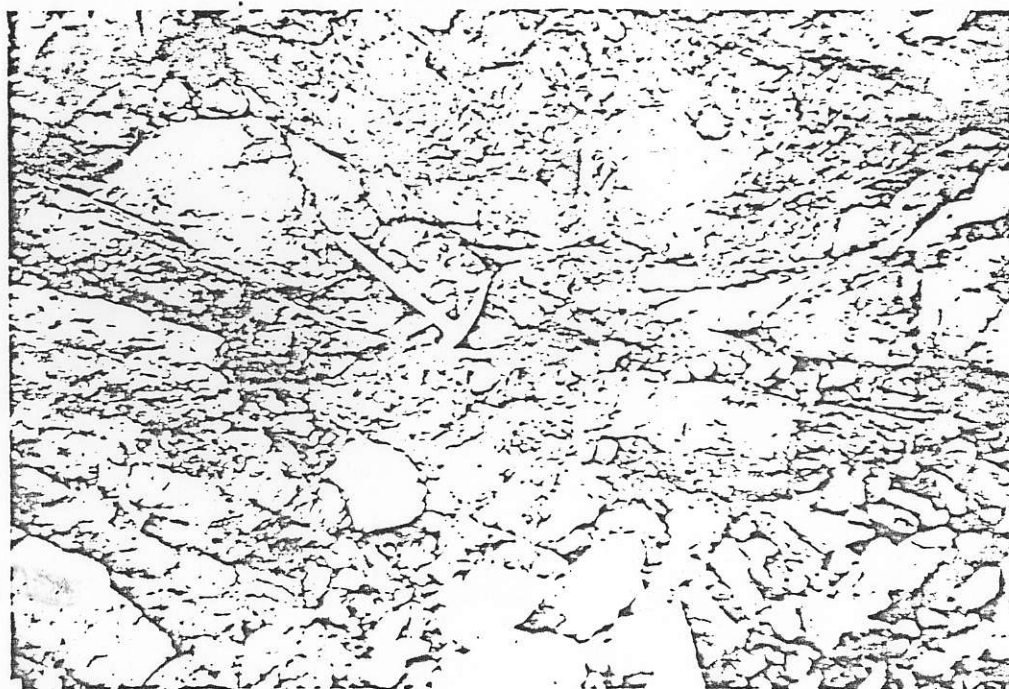
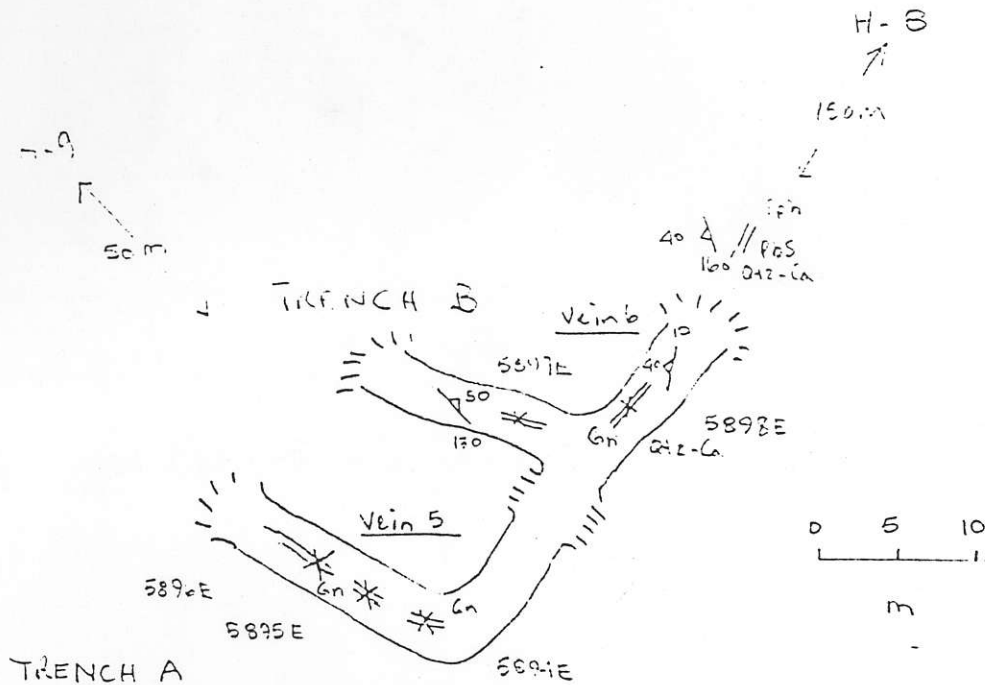
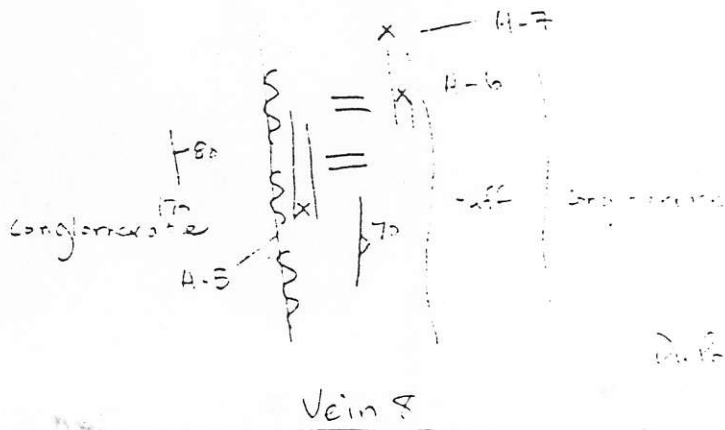


Figure 8 Location of sample H-2 on Vein 4



SAMPLE No.	Pb %	Zn %	Ag	Cu	Au
			oz/ton	ppm	ppb
5894 E	.42	4.09	.43	43	5
95	.11	.75	.15	24	5
96	13.55	19.90	7.30	76	90
97	.80	2.30	1.18	143	20
98	1.21	3.60	.89	50	5
H-5	.20	.62	1.95	190	5
6	17.95	.77	27.50	930	200
7	.99	.56	1.82	225	5
8	.67	27.75	1.24	205	5
H 9	.07	.38	.26	34	5

all grab samples?



Note: All sample's grab samples.

Product of Nevada Exploration and

Development

Vein 8, Nevada

NTS 104A-4/105E-13 1982

Figure 1

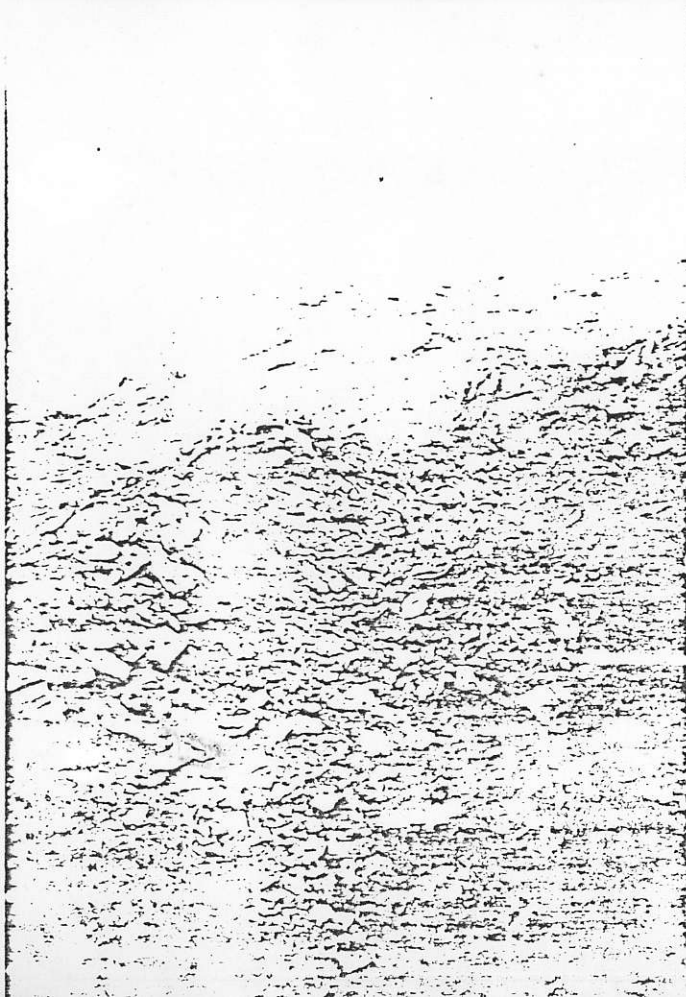


Figure 10 Trench A: Upper photo
- Looking northeast,
Lower photo - Looking
southeast.

Vein 8 is the largest quartz-carbonate vein on the property - measuring 10 m wide (Figure 11). It consists of numerous quartz veins within a possible shear zone. The main veins strike north with branching veins at right angles. This exposure is quite gossanous and only sample H-6 (27.50 oz/ton Ag) contained any visible sulphides.

*Exposed
strike length
Vein 8?*

FINANCIAL PROPOSAL

At present no agreement has been made with Messieurs Fegan and Scott. Rather than have an option payment, Mr. Fegan suggested that the money be invested in the ground. Since Mr. Fegan's trenching is good and since he requested work for the summer of 1982, I suggested that we could contract him to do work on the property during the programme.

CONCLUSIONS

The veins on the property contain interesting mineralization that with further work may prove economic. The north veins may be a splay of veins which appear to be coalescing near the glacier. A drill hole in the vicinity would test this hypothesis. South veins 7 and 8 have mineable widths but have not been explored on strike.

RECOMMENDATIONS

A small programme of geological mapping and soil sampling in conjunction with trenching is envisaged.

BUDGET

Labour & Management

. Supervision:	20 days @ \$115/day	\$2,300.00
. Crew:	1 Senior Geologist 15 days @ \$60/day	900.00
	1 Junior Geologist 15 days @ \$50/day	750.00
	1 Trencher 15 days @ \$80/day	1,200.00

Camp Costs

. Food/day/man @ \$15.00	\$900.00
. Miscellaneous (Explosives, etc.)	400.00

Travel

. Supervision and crew	\$2,000.00
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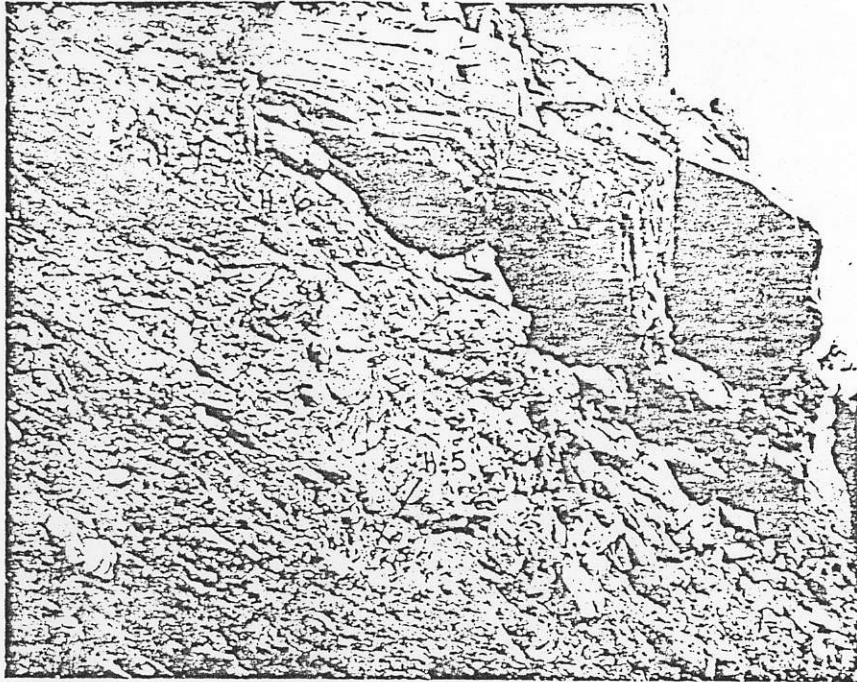


Figure 11 Vein 8, Looking east |

Assaying


. 300 soils @ \$5.00 (Cu, Pb, Zn, Ag)	\$1,500.00
. 200 rocks @ \$7.50 (Cu, Pb, Zn, Ag)	1,500.00

Report and Drafting

\$1,500.00

Helicopter

. 2 hours @ \$550/hr	\$1,100.00
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Contingency\$1,450.00\$15,500.00

J.T. Neelands
Senior Geologist
1982 September 20

JTN/krl