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Geochemical Report on the Snow #5 Claim
 Sandspit Area, Q.C.I., Skeena M.D.
 N.T.S. 103-G-SW 4
 MICKLE
 Vancouver, B. C. P. J. Burns
 February 14, 1980 I. L. Elliott

MICKLE-WESFROB Geochemical Report on the Snow #5 103-G
Claim Sandspit Area. P. Burns, I. Elliott Feb. 14, 1980

GEOCHEMICAL REPORT ON THE

SNOW #5 CLAIM

Sandspit Area, Q.C.I.

SKEENA MINING DIVISION

N.T.S. 103-G-⁴~~5~~W

Lat. $53^{\circ}10'N$ Long. $131^{\circ}48'W$

Vancouver, B. C.

February , 1980

P. J. Burns
and I. L. Elliott

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GEOCHEMICAL REPORT ON THE
SNOW #5 CLAIM
Queen Charlotte Islands, B. C.

INTRODUCTION AND ACCESS:

The Snow #5 Mineral Claim is located in the Queen Charlotte Islands approximately 5 km due south of the village of Sandspit, at latitude $53^{\circ}10'N$ and longitude $131^{\circ}48'W$. (See Maps PB-1, PB-2).

The Claim (20 units) is one of 5 staked in February, 1979 by Mr. R. E. Mickle who subsequently optioned the Snow Group to Wesfrob Mines Limited of Vancouver.

The Claim is readily accessible by all weather road from Sandspit and by an overgrown logging road. Relief ranges from sea level to 100 m. (330' approximately).

The author conducted a multielement geochemical soil survey over a portion of the claim in the period December 13 - 17, 1979. I. L. Elliott- Chief Geochemist for Falconbridge, supervised the work. This report summarizes the results of the survey.

GEOLOGY:

The reader is referred to a report by Sutherland Brown (B.C. Dept. of Mines and Petroleum Resources, Bulletin No. 54, 1968) for a summary of the regional geology of the Sandspit area.

Locally, the claim is underlain by Yakoun Formation rocks of Jurassic age. Numerous exposures of Yakoun pebble conglomerate and minor sandstone crop out on the property, particularly on the east-west trending, south facing slope of the ridge which passes through the central portion of the claim (Maps PB-3, PB-4).

The NW-SE trending Sandspit Fault is the major structural feature in the area and lies outside the claim, immediately to the northeast.

GEOCHEMICAL SURVEY:

A soil survey grid approximately 200 m. by 400 m. was located in the centre of the claim (Map PB-3). Soil samples were collected from the B-horizon at 25 m. intervals on 6 lines 50 m. apart (Map PB-4).

A total of 78 soil samples were collected and sent to Bondar - Clegg in North Vancouver for analyses. At the Bondar - Clegg laboratory, the samples were dried and the -80 mesh fraction retained for the multielement analyses.

Selected elements and the analytical technique used for each are listed below.

<u>Element</u>	<u>Attack</u>	<u>Analysis</u>
As	Perchloric Nitric	colorimetric
Sb	-----	XRF
Cu, Pb, Zn, Ag	Hot Aqua Regia	Atomic Absorption
Hg	Controlled Aqua Regia	Closed Cell Atomic Absorption
Au	Fire Assay & Hot Aqua Regia	Atomic Absorption

RESULTS AND RECOMMENDATIONS:

Samples were analyzed for Cu, Ag, Pb, Zn, As, Sb, Hg and Au. All are indicated in ppm, excluding the latter two, which are in ppb. (Maps PB-5, PB-6).

An examination of the results indicates that Cu, Pb, Zn, As and Sb are low but that Ag is locally weakly anomalous (to 0.9 ppm).

A subtle northwest trending overlapping Au and Hg anomaly, however, does occur within the claim at the north end of the soil grid. This area is densely overgrown and located on the flat top of the ridge. It is possible that this weak anomaly reflects

underlying mineralization in bedrock or a fracture/fault zone possibly related to the Sandspit Fault.

A further investigation of this area is warranted.

STATEMENT OF EXPENSES

<u>Salary:</u>	P. J. Burns , Project Geologist	
	5 days (December 13 - 17, 1979) @ \$150/day	750.00
<u>Food & Accomodations:</u>		
	Food - 5 days @ \$20/day	100.00
	Accomodation - 5 days (Moresby Island Motel)	152.25
<u>Transportation:</u>		
	Taxis, N. Vancouver - Airport - N. Vancouver	24.00
	Airline Tickets	
	Vancouver - Sandspit - Vancouver	150.00
	Car (5 days)	162.44
	Ferry	3.00
<u>Field Supplies:</u>		24.17
<u>Analyses:</u>		
	78 samples for As @ \$2.75 each	214.50
	78 samples for Sb @ \$3.25 each	253.50
	78 samples for Au @ \$3.75 each	292.50
	78 samples for Hg @ \$3.50 each	273.00
	78 samples for Cu, Ag, Pb, Zn @ \$3.75 each	292.50
	78 sample preparations @ \$0.45 each	35.10
	1 shipping charge	18.10
	I. L. Elliott Geochemical Consultation	100.00
<u>Report Preparation:</u>		
	Drafting, 2 days @ \$70/day	140.00
	Report writing, Map Reproduction	<u>150.00</u>
	Total	\$3,135.06



WESFROB MINING DIVISION

(FALCONBRIDGE NICKEL MINES LIMITED)

603 - 1112 West Pender Street
Vancouver, B.C., Canada V6E 2S5

Tel. (604) 669-3443

Telex 04-53245

February 15, 1980

The Chief Mining Recorder
Skeena Mining Division
Victoria, B. C.

Dear Sir:

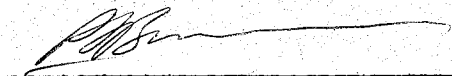
I, Patrick J. Burns, of the City of North Vancouver, British Columbia, hereby certify:

1) That I am a geologist, residing at 1217 Kilmer Road, North Vancouver, British Columbia with a business address at 700 - 1112 West Pender Street, Vancouver, British Columbia.

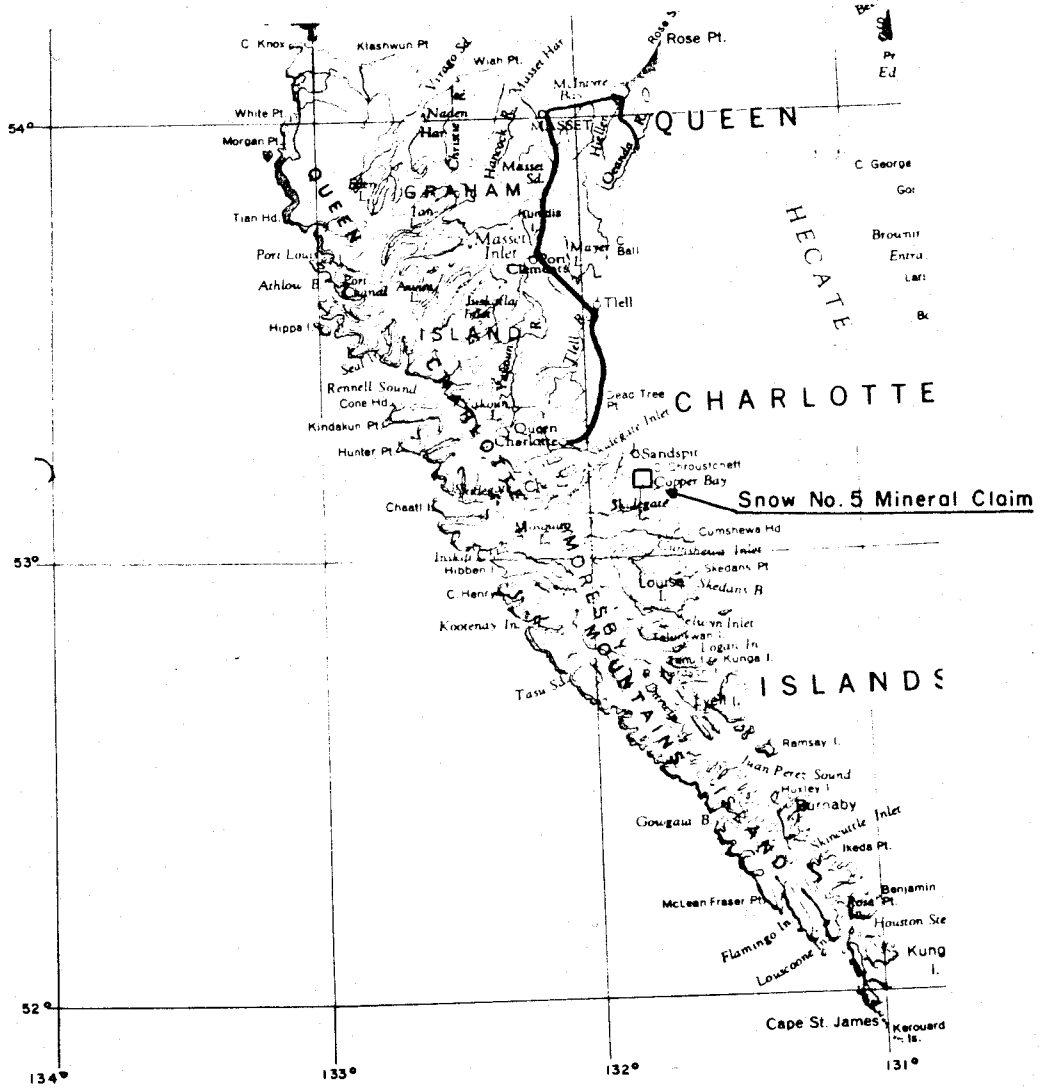
2) That I graduated with a BSc. (Honours) degree in geology from the University of British Columbia in 1973.

3) That I have practiced geology with Falconbridge Nickel Mines Limited from 1973 to 1979, excluding the period February 1st, 1978 to February 28th, 1979.

Dr. I.L. Elliott, Chief Geochemist with Falconbridge Nickel Mines Ltd. is an Honours Geology Graduate (1959) of the University of Manchester and holds a PhD. in Applied Geochemistry from the University of London (1962) and is a member of the Association of Professional Engineers of B. C.

Signed: 

Patrick J. Burns, BSc.

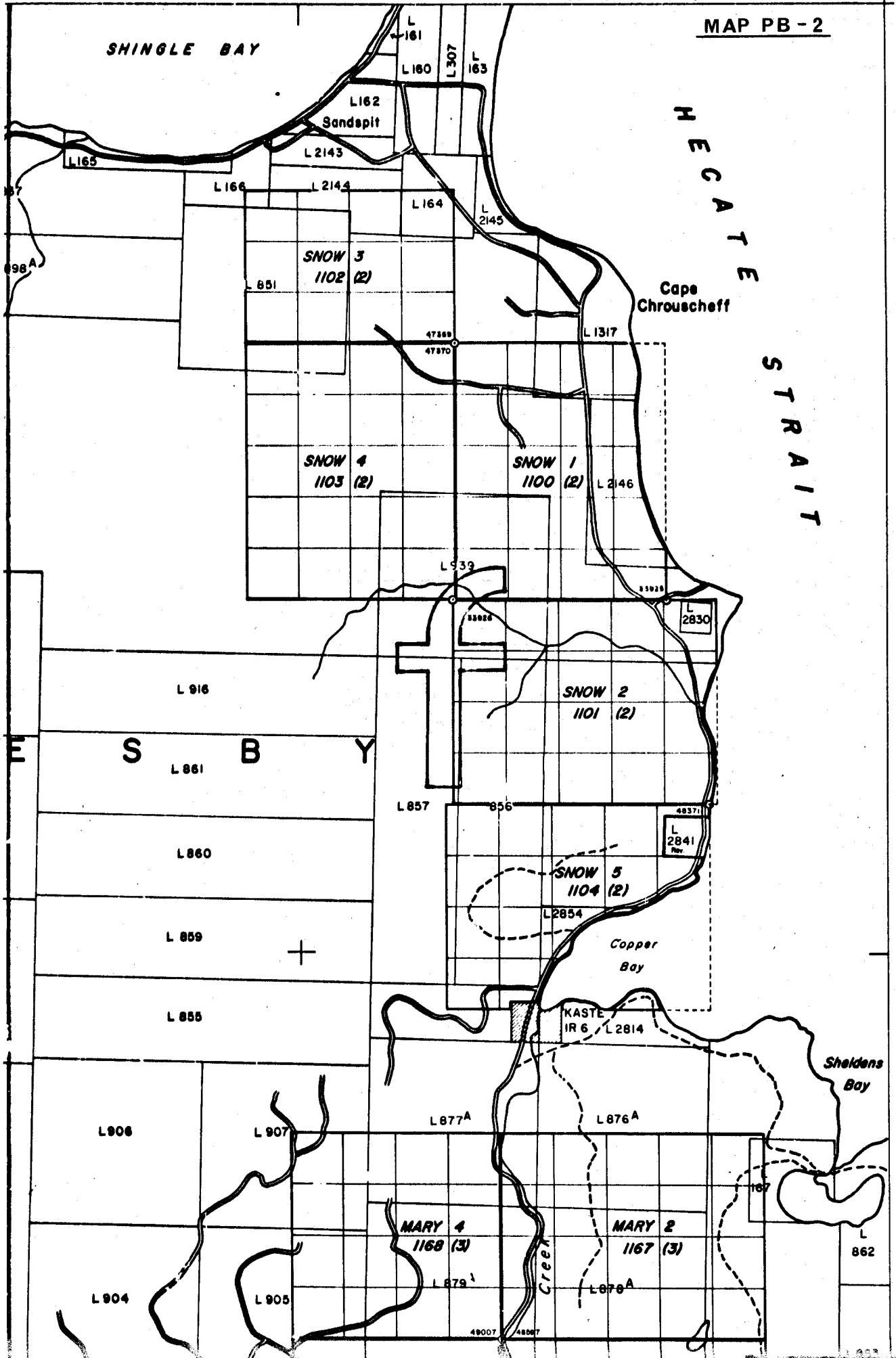


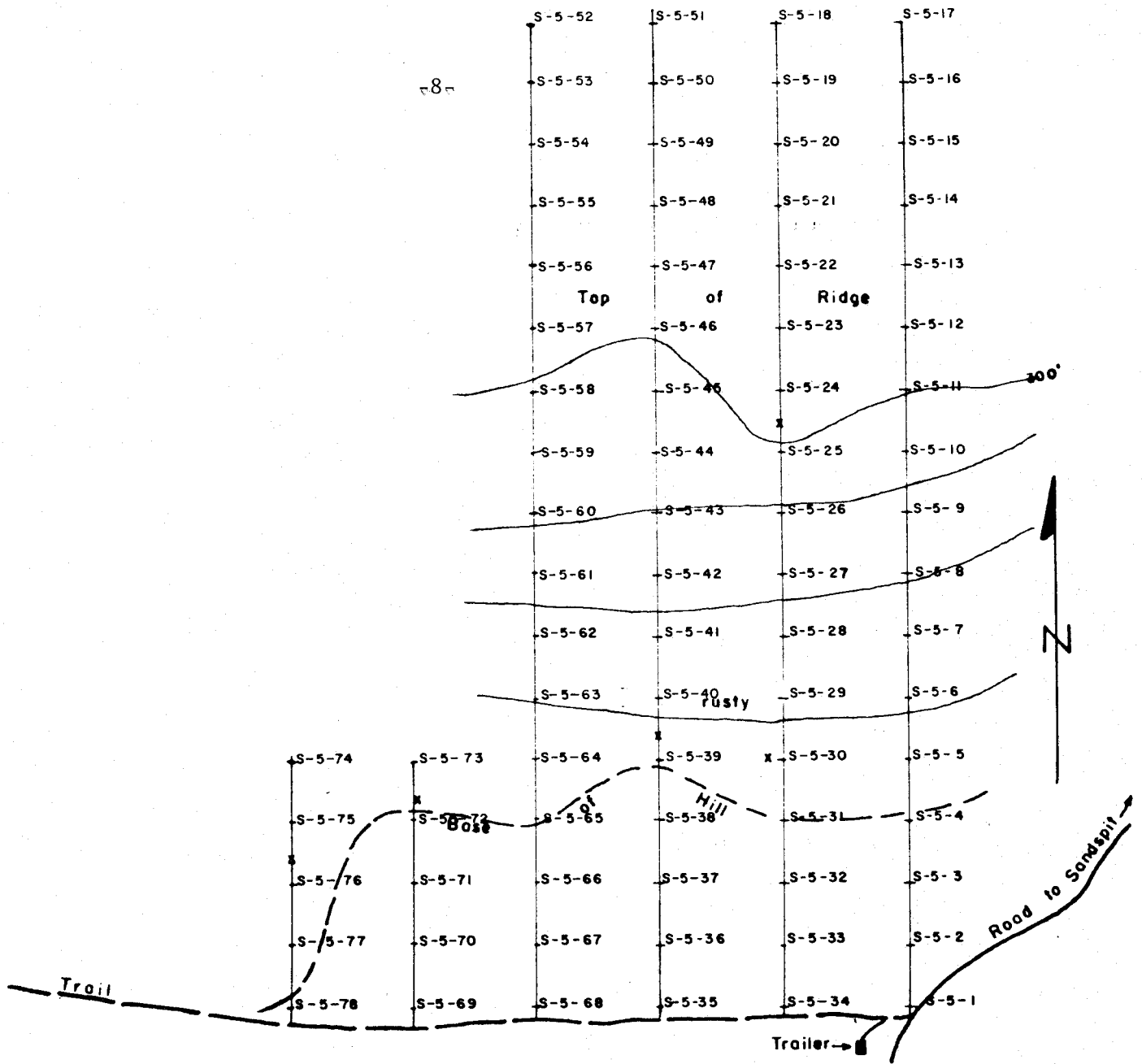
INDEX MAP Q.C.I

SCALE: 1:2,000,000



N.T.S NO.: 103-B,C,F,G, : FIG.NO.: 080-79-1 (MAP PB-1)





S-5-1 Sample location & No.

x o/c Conglomerate

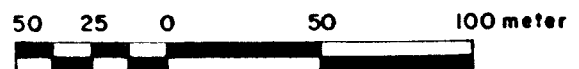
PROPERTY: Snow No. 5 Mineral Claim

LOCATION: Sandspit Area Q.C.I. B.C.

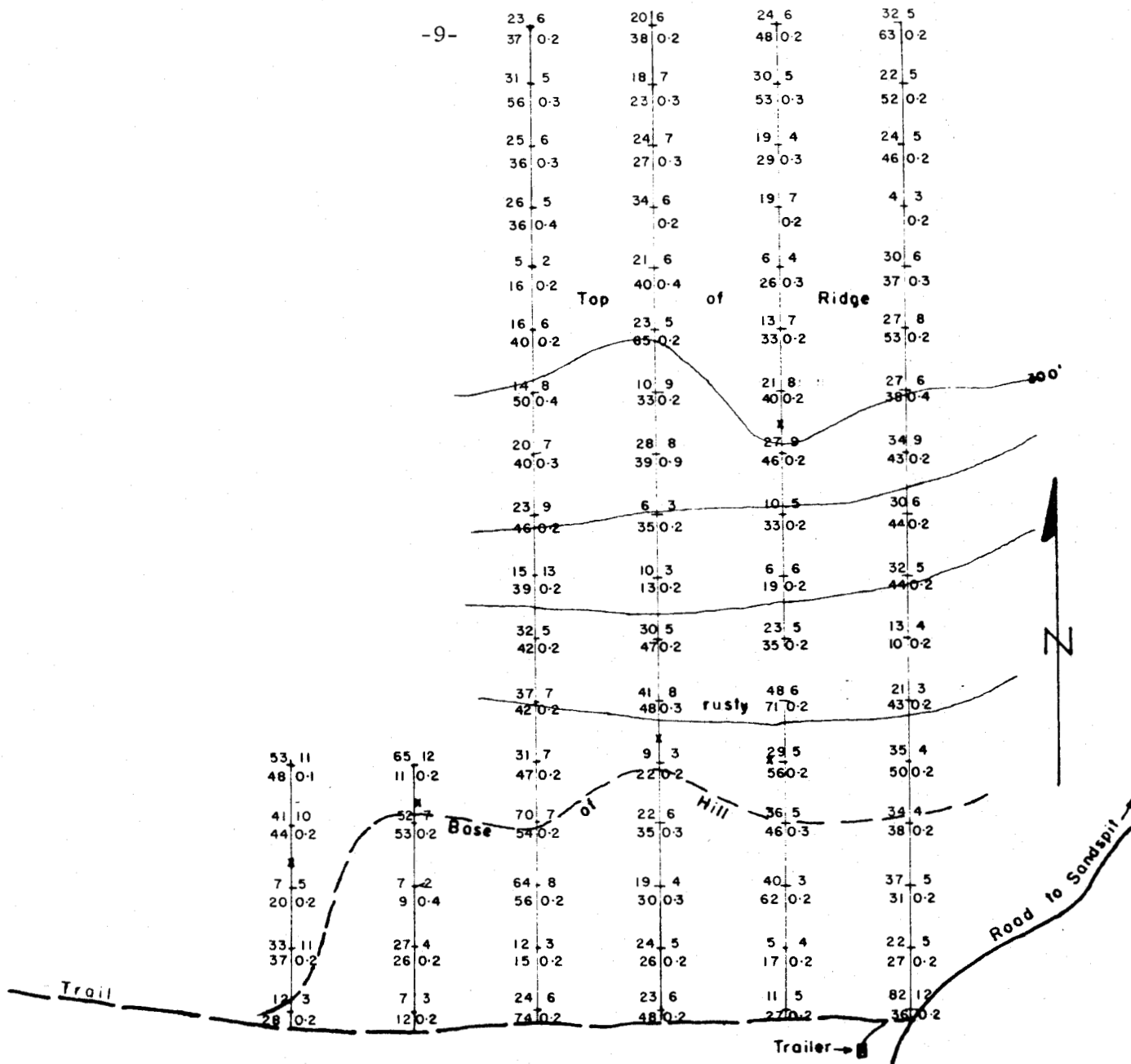
TYPE OF MAP: Geochem (Soil)

BASED ON: Fieldwork by P.B. Dec. 1979

DRAWN BY: G.T. Jan. 1980



SCALE: 1:2,500
MAP PB-4



Cu | Pb Sample location & Value
 Zn | Ag in ppm.

x o/c Conglomerate

PROPERTY: Snow No. 5 Mineral Claim

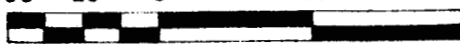
LOCATION: Sandspit Area Q.C.I. B.C.

TYPE OF MAP: Geochem (Soil)

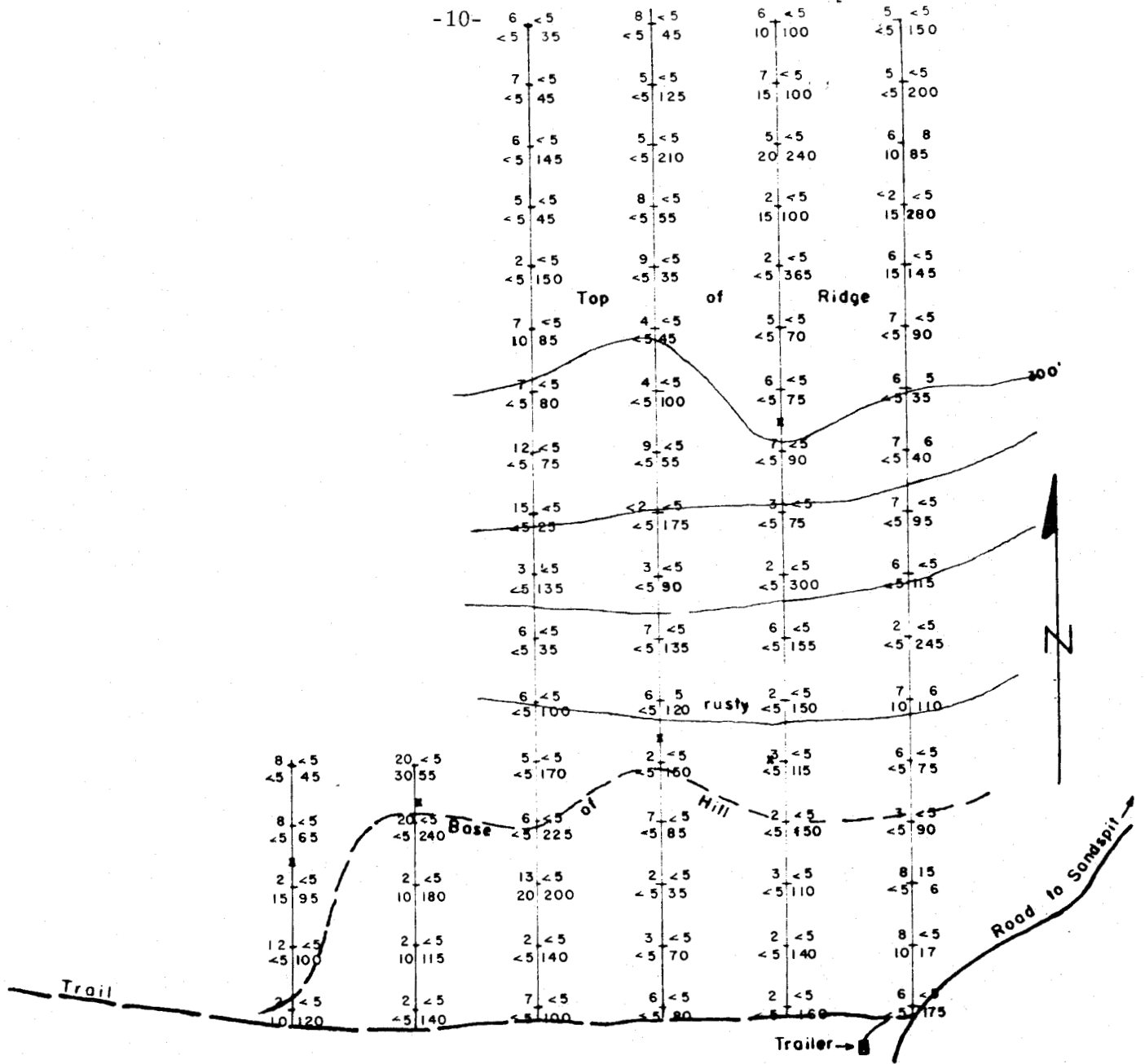
BASED ON: Fieldwork by P.B. Dec. 1979

DRAWN BY: G.T. Jan. 1980

50 25 0 50 100 meter



SCALE: 1:2,500
 MAP PB-5



As | Sb. ppm. Sample location & Value
 Au | Hg. ppb

x o/c Conglomerate

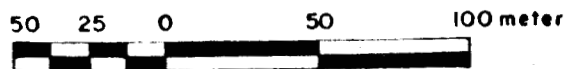
PROPERTY: Snow No. 5 Mineral Claim

LOCATION: Sandspit Area QCI. B.C.

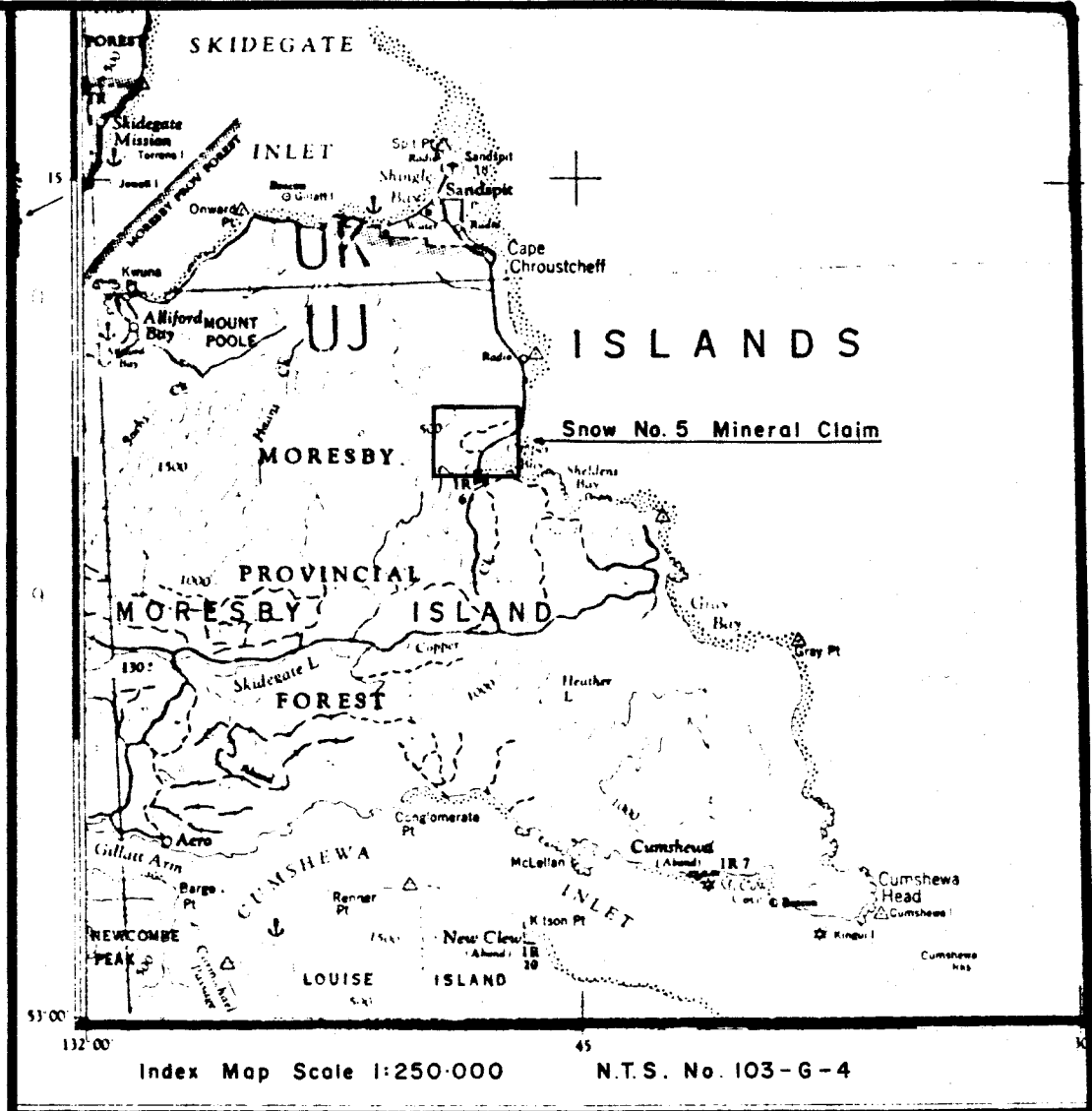
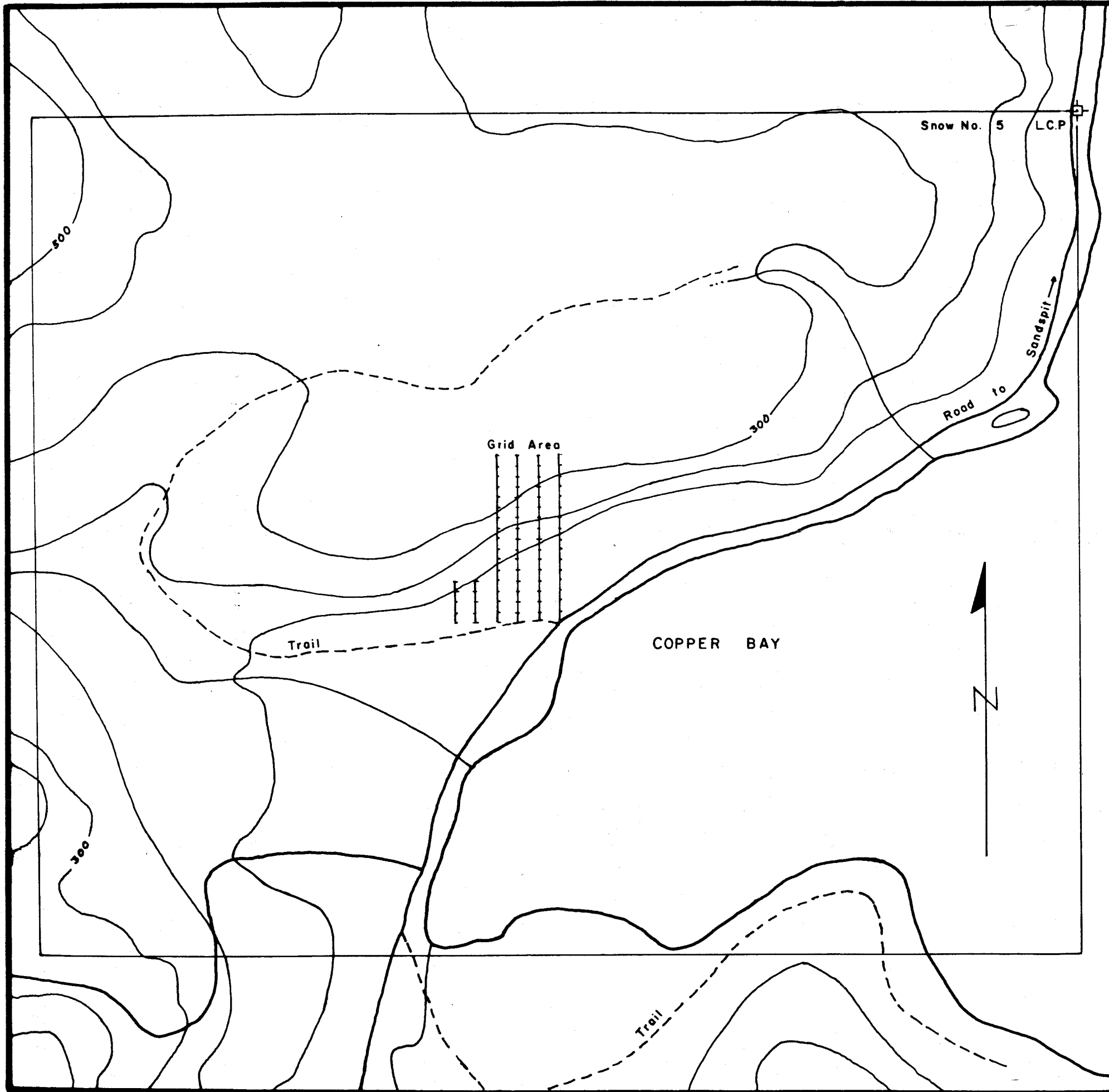
TYPE OF MAP: Geochem (Soil)

BASED ON: Fieldwork by P.B. Dec. 1979

DRAWN BY: G.T. Jan. 1980



SCALE: 1:2,500
 MAP PB-6



FALCONBRIDGE NICKEL MINES LTD.

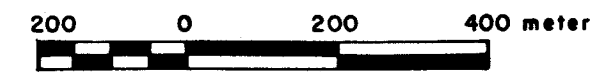
PROPERTY: Snow No. 5 Mineral Claim

LOCATION: Sandspit Area Q.C.I. B.C.

TYPE OF MAP: Claim & Grid location

BASED ON: Fieldwork by P. B. Dec. 1979

DRAWN BY: G.T. Jan. 1980



SCALE: 1:10,000

N.T.S. NO.: 103-G-4 FIG. NO.: 080-79-2 (MAP PB-3)