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13853

FALCONBRIDGE LIMITED

DRILLING ASSESSMENT REPORT

ON THE

WEST 9, 10, 11 MINERAL CLAIMS

OF THE WEST GROUP

VICTORIA M.D.

NTS 92B/13E, LATITUDE 48° 51', LONGITUDE 123° 40'

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

T. CHANDLER
S. LEAR

AUGUST, 1985.

13,853

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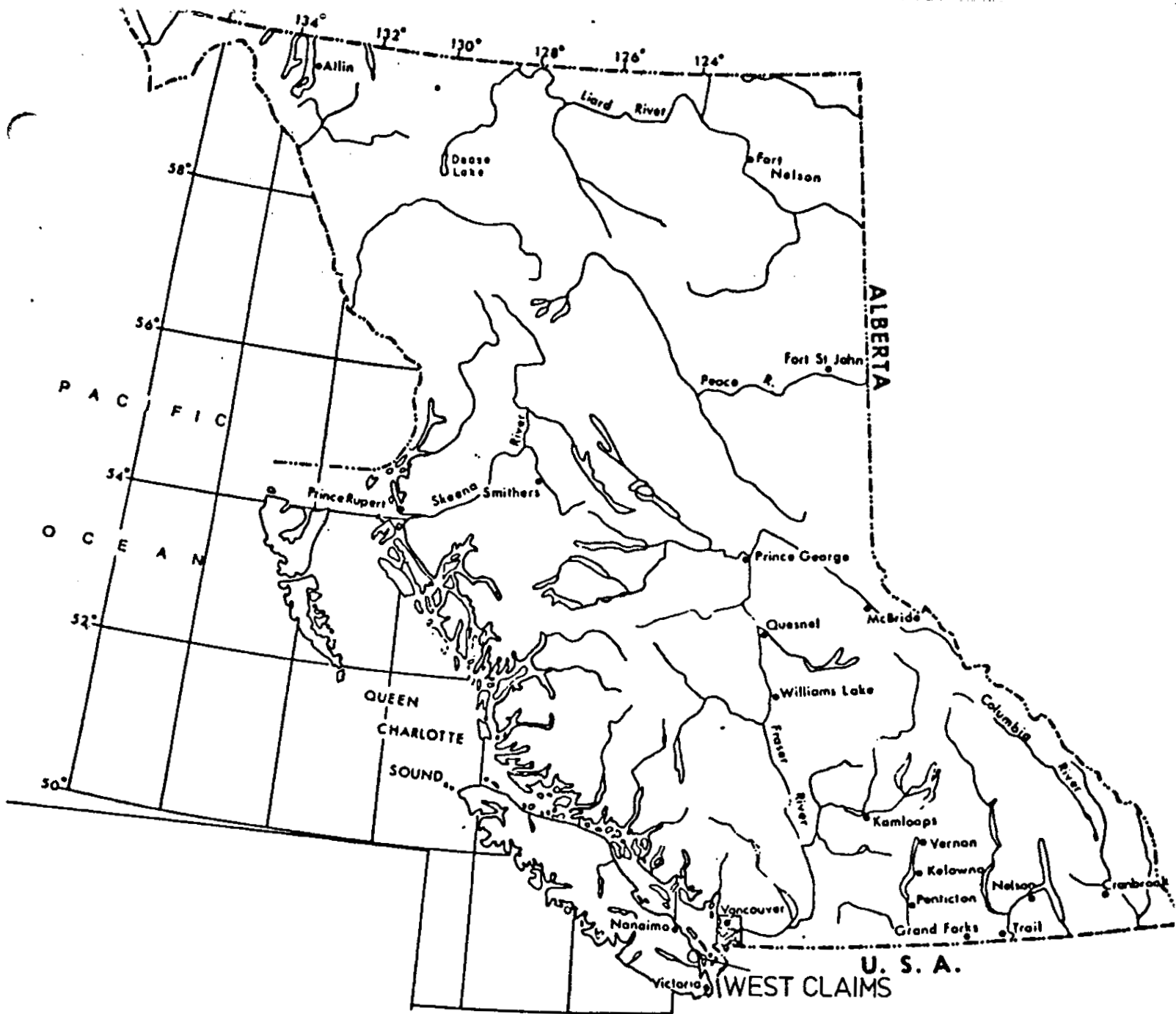
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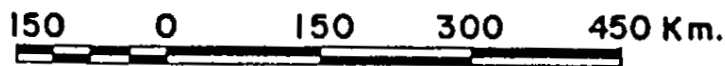
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INDEX MAP

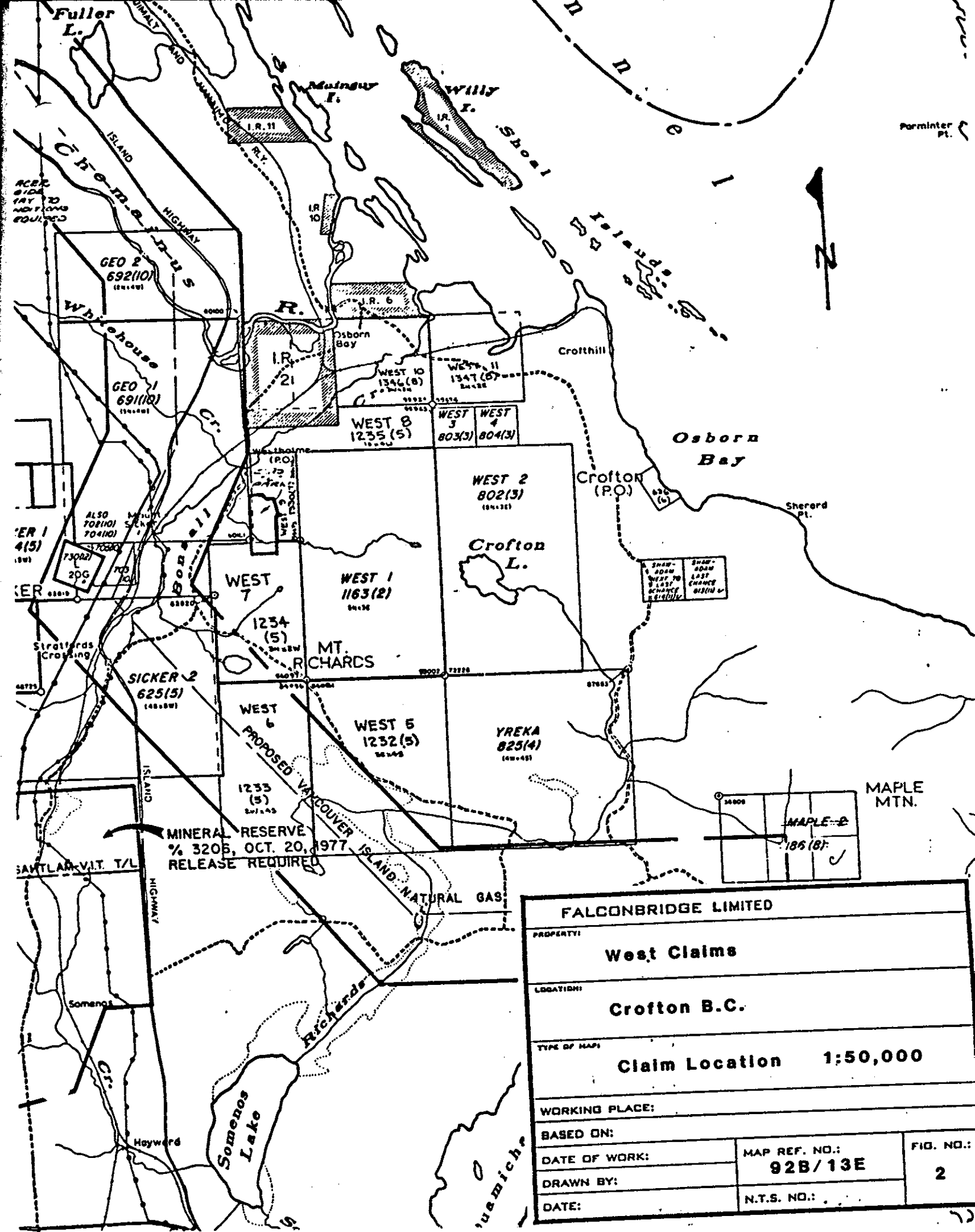
BRITISH COLUMBIA

fig 1



SCALE 1: 7,500,000

West Claims
location map



MINERAL RESERVE
% 3206, OCT. 20, 1977
RELEASE REQUIRED

SHOW WEST TO LAST CHANGE EFFECTIVE	SHOW WEST TO LAST CHANGE EFFECTIVE
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34006	MAPLE-B
	185(8)

FALCONBRIDGE LIMITED		
PROPERTY: West Claims		
LOCATION: Crofton B.C.		
TYPE OF MAP: Claim Location 1:50,000		
WORKING PLACE:		
BASED ON:		
DATE OF WORK:	MAP REF. NO.:	FIG. NO.:
	92B/13E	2
DRAWN BY:	N.T.S. NO.:	
DATE:		

INTRODUCTION

The West 9, 10, 11 mineral claims total 12 claim units and are located within the West Group. The claim area is 2 km west of the town of Crofton, B.C. (NTS 92B/13E) and is readily accessible by road from Crofton. Access within the claim block is by 4-wheel drive roads.

A total of 327.66m (1075 ft) of diamond drilling (2 holes) was completed in the period August 23 - September 1, 1984. Total drill related costs are \$32,108.40 or \$98/m (\$30/ft). Falconbridge requests that the total cost of the drilling be credited to West 9, 10, 11 mineral claims as outlined on the accompanying "Statement of Exploration and Development".

GENERAL GEOLOGY

The West Group is underlain by Paleozoic volcanics and sediments of the Sicker Group which are unconformably overlapped by Cretaceous sediments of the Nanaimo Group on the north and east claim margins. Intrusive sill-like bodies of gabbro-diorite are found throughout the sequence. Pyrite, chalcopyrite and sphalerite occur in shear zones at the contact between gabbro-diorite and Sicker Group rhyodacite flows.

Numerous pits, trenches, shafts and adits dating from the turn of the century are found on the property. These workings usually contain high percentages of pyrite (30-40%) with minor chalcopyrite and sphalerite.

DRILL PROGRAMME

Drill Logs for Diamond Drill holes W84-1 (127.41m) and W84-2 (200.25m) are enclosed. One Longyear LY 38 drill was employed with Longyear Canada as the Contractor. Both holes were drilled from the same set-up at 45° (W84-1) and 60° (W84-2). The drill holes are located on the West 2 claim.

All core is stored at Falconbridge's office in Delta, B.C. Assaying was done by CDN Resources Lab, Delta, B.C. using standard acid digestion/A.A. techniques for Cu, Zn and fire assays for Au and Ag.

Drill holes were located on the basis of a ground EM survey, geochemical soil sampling and geological mapping. Small (25 and 60 cm) zones of semi-massive magnetite with trace pyrrhotite were intersected in both holes. Further drilling is planned for 1985 to test soil geochemical and geophysical anomalies in other areas of the property.

STATEMENT OF COSTS

DIRECT DRILLING CHARGES:

Longyear Canada, 327.36 metres
Invoiced costs inclusive of mob, demob.,
interhole moves, casing, core boxes.
Total costs: \$26,589.51 or \$81.22/metre.

D.D.H. W84-1: 127.41 metres \$ 10,799.61
D.D.H. W84-2: 200.25 metres \$ 15,789.90

TOTAL DRILLING \$ 26,589.51

HEAVY EQUIPMENT FOR DRILL MOVES

D3 Cat: 32 hours @ \$45.00 \$ 1,440.00
- making drill pad,
moving drill

ASSAYS

Drillcore Assays:
CDN Labs, Delta, Assayed for Cu, Ag, Au, + Zn
73 @ \$15.15 \$ 1,105.95
7 @ \$19.65 \$ 137.55
Shipping charges \$ 31.50

TOTAL ASSAYS \$ 1,275.00

SALARIES:

Table with 5 columns: TITLE, WORK ACTIVITY, DAYS AT TASK, \$RATE/DAY, TOTAL SALARY CHARGES. Rows include Project Geol. (TEC), Geol. (Party Chief) (SL), and Jr. Geol. (MH).

TOTAL SALARIES \$ 2,535.00

STATEMENT OF COSTS (CONT)

BOARD/LODGING

House rental, Chemainus, August 23 - September 2	\$ 160.00	
Food and Sundries	\$ 108.89	

SUB TOTAL \$ 268.89

TOTAL EXPENDITURES \$32,108.40



FALCONBRIDGE LIMITED

6415 - 64th Street, Delta, B.C., Canada V4K 4E2

Tel. (604) 946-0441

Telex 04-357583

Expl. 612/85
September 12, 1985

Chief Gold Commissioner
Ministry of Energy, Mines
& Petroleum Resources
Parliament Buildings
Victoria, B.C.
V8V 1X4

STATEMENT OF QUALIFICATIONS

Dear Sir:

This is to state that I have obtained a B.Sc. (Hons.) 1975 in Geology from Carleton University, Ottawa, Ontario, and have worked as a geologist for Falconbridge Limited since 1976.

Shelley Lear, Project Supervisor, worked under my supervision. She obtained a B.Sc. in Geology from the University of British Columbia in 1981 and has had work experience as a geologist since 1981.

Yours truly,
FALCONBRIDGE LIMITED

TEC:mm

T.E. Chandler

APPENDIX A

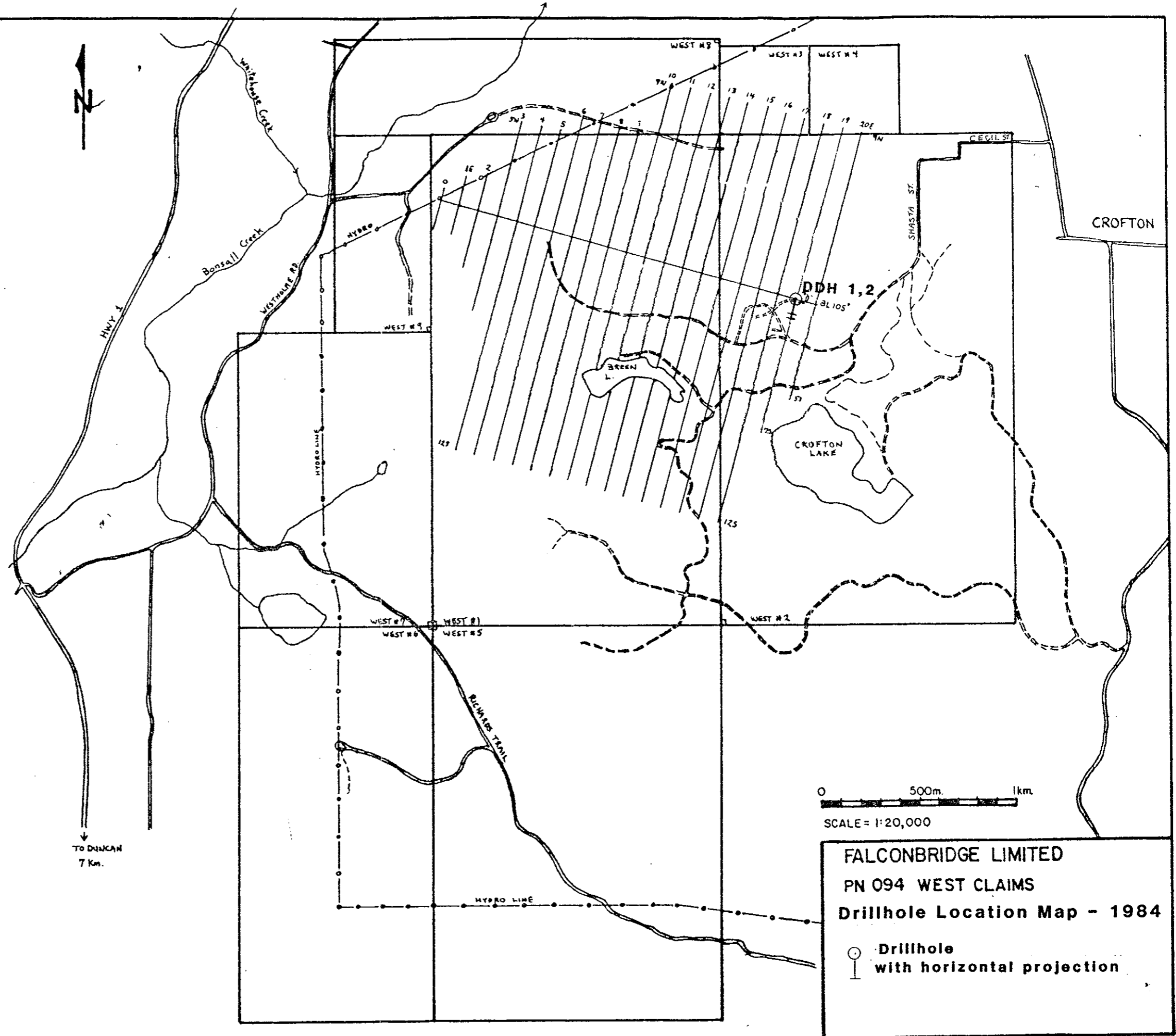
DIAMOND DRILL LOGS

DRILL HOLE RECORD

FALCONBRIDGE LIMITED

Inclination	Bearing	PROPERTY	Length	HOLE No.	84-2	Page
Color		Location	Hor. Comp / Vert Comp	Sheet	4 of 5	
		Elevation	Bearing	Logged by		
		Coordinates	N Begun / Completed	Sampled by		
			E Core size / Recovery	% Driller		

DEPTH (metres) From To	RECOV RQC	DESCRIPTION	INTERSECTION ANGLE	GRAPHIC 1:500	SAMPLES			ASSAYS								
					Number	From	To	Length	Cu%	Zn%	Pb%	Ag	g/MT Au			
155.64	159.31	77	100	<u>Fg med. to dark green volcanics</u> ; moderately chloritized throughout. Upper contact is broken. Calcite veinlets and trains of fg py blebs at 10° C.A. Irregular lower contact at 10°. Py: 2%	veinlets = 10°											
159.31	169.26	76	99	<u>Light gray-green highly silicified volcanics</u> . Cherty appearance in places. Veinlets of calcite with discrete blebs (1 to 2mm long) of py aligned at 10 - 20°. Minor epidote alteration associated with calcite/py veinlets and patches. Py: 5 - 8%	veinlets = 10 - 20°											
169.26	171.34	77	99	<u>Dark green highly chloritic unit</u> with 10% calcite. Calcite occurs as irregular patches and as wavy veins at 0° - 5° and 35° C.A. Tr. py as discontinuous veinlets with calcite. Lower .12cm is very broken and sheared. Tr. po, tr. py.												
171.34	174.45	54	100	<u>Light gray-green moderately silicified volcanics</u> . Py occurs as disseminated blebs with occasional calcite gangue. Chlorite and minor py on fractures. Lower contact is sharp at 35°. Py: 1%	contact = 35°											
174.45	178.21	48	89	<u>Fg dark green highly chloritic unit</u> with abundant calcite alteration as 169.26 - 171.34m, weak banding of chloritic and calcitic layers at 25 - 35°. Closely fractured in places with sheared chlorite and calcite on fractures. Py as 1 to 2mm long disseminated blebs. Py: < 1%	banding = 25 - 35°											
178.21	182.18	71	97	<u>Fg med. green highly silicified volcanics with fragmental texture</u> . Py as disseminated blebs and discontinuous veinlets. Py: 1%		4178	181.20	183.3	2.1	L.01	L.01		L.5	L.05		
182.18	183.23	70	96	<u>Aphanitic, light brown coloured unit</u> . Hardness: 6 - 7 possibly original rhyolite (?), cut by veinlets of quartz at 0° and 40°. Minor chlorite alteration towards base of unit. Gradational lower contact.		4179	183.3	184.22	.92	.01	.01		L.5	L.05		
183.23	187.94	53	95	Dark green, <u>aphanitic highly chloritic zone</u> with abundant magnetite and lesser amounts of po, cpy and py. Occ. calcite veinlets at 0° to 25°. Overall: Magnetite: 10%, Po: 1%, Py: tr., Cpy: tr. -												
183.23	184.22	46	98	<u>Mod. chloritic rock</u> with bands of calcite-po-cpy at 50° C.A. Tr. py as subhedral crystals partially replaced by calcite. Closely fractured from 183.91 to 184.22m. Po: 5% Cpy: tr. Py: tr.	banding = 50°											
184.22	184.81	60	94	<u>Abundant magnetite</u> as irregular-shaped patches with calcite gangue in highly chloritic host rock. Magnetite: 30% Po: tr. Py: tr.		4180	184.22	185.72	1.5	.04	L.01		L.5	L.05		
184.81	187.17	61	95	<u>Highly chloritic unit</u> . Po occurs on the outer margins of magnetite-rich patches. Py occurs on the selvages of po stringers and in later (?) calcite veinlets. Diagenesis: Magnetite-Po-Py. Magnetite: 15% Po: 2% Py: tr.		4181	185.72	187.3	1.62	.02	.01		L.5	L.05		
187.17	187.94	63	91	<u>Moderately chloritic unit</u> with rounded (1 to 2mm long) quartz fragments (?) Tr. py. Gradational lower contact		4182	187.3	189.3	2	L.01	.01		L.5	L.05		



↓
TO DUNCAN
7 Km.

0 500m 1km
SCALE = 1:20,000

FALCONBRIDGE LIMITED
PN 094 WEST CLAIMS
Drillhole Location Map - 1984

○ | Drillhole
 | with horizontal projection

13,853

LEGEND

- 7 Argillite: dark grey
- 6 Semi-massive sulphides
- 5 Hornblende + Quartz Diorite
- MYRA FORMATION
- 4 Quartz-Feldspar Porphyry
- 4c Cherty Tuff + Quartz Eyes
- 4b Quartz-Sericite schist
- 3 Hornblende Porphyry Andesite Flow
- 2 Porphyritic latite flow with Quartz-Epidote Lenses
- 1 Latite Tuff

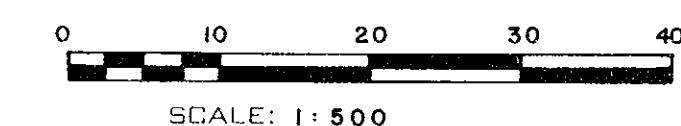
Rhyodacite Flow (Metamorphosed)

Alteration:

- Sil = Silicification
- Ser = Sericitic
- Chl = Chloritic

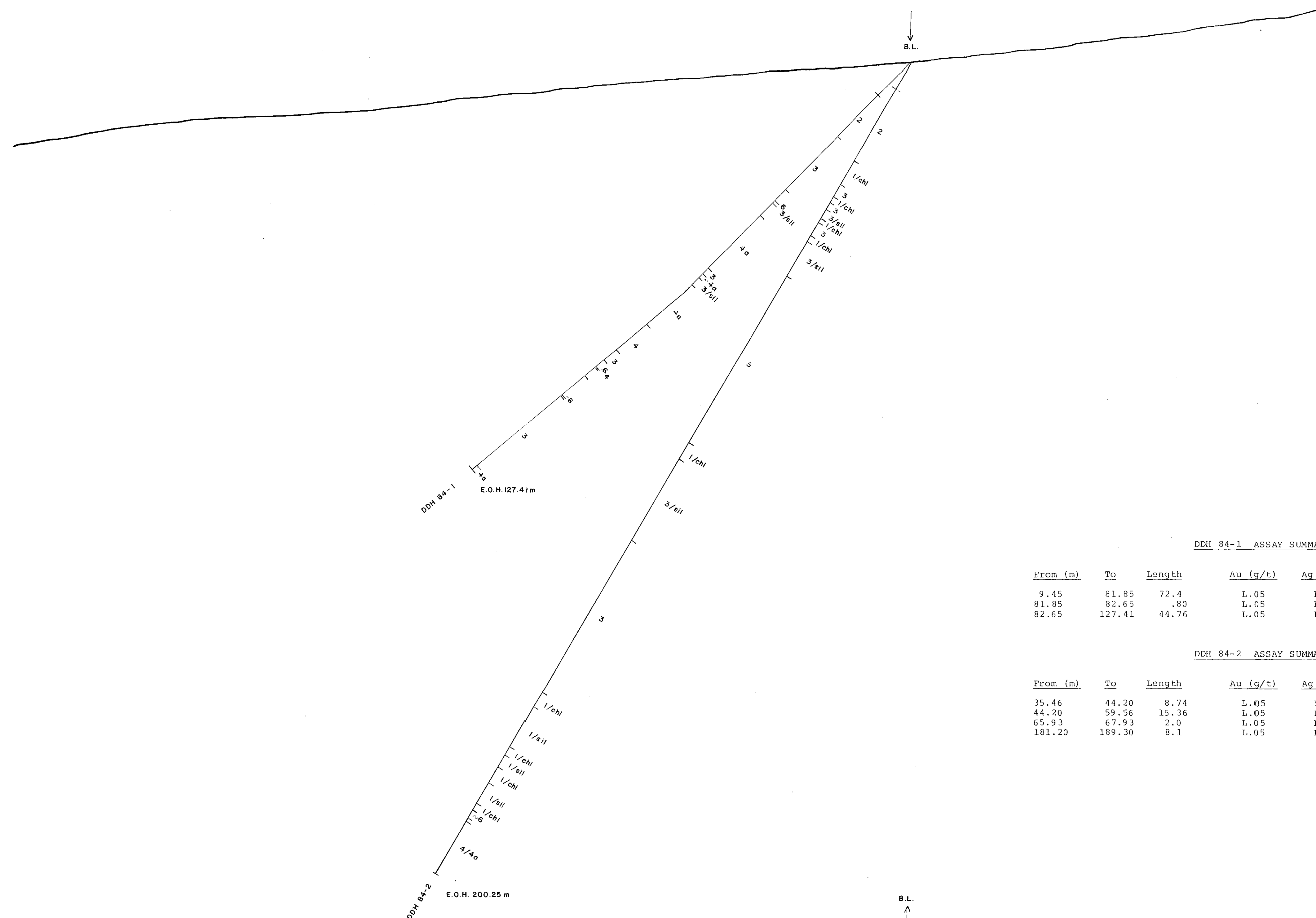
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SOUTH

NORTH



DDH 84-1 ASSAY SUMMARY

From (m)	To	Length	Au (g/t)	Ag (g/t)	Cu %	Zn %
9.45	81.85	72.4	L.05	L.5	L.01	-
81.85	82.65	.80	L.05	L.5	.13	.01
82.65	127.41	44.76	L.05	L.5	L.01	-

DDH 84-2 ASSAY SUMMARY

From (m)	To	Length	Au (g/t)	Ag (g/t)	Cu %	Zn %
35.46	44.20	8.74	L.05	L.5	.03	-
44.20	59.56	15.36	L.05	L.5	L.01	-
65.93	67.93	2.0	L.05	L.5	.02	-
181.20	189.30	8.1	L.05	L.5	.01	L.01

FALCONBRIDGE NICKEL MINES LIMITED

PROPERTY: West Claims		
LOCATION: Line 19E, looking West		
TYPE OF MAP: Cross-section DDH 1,2		
WORKING PLACE:		
BASED ON: FIELD WORK by S.L., M.H.		
DATE OF WORK: Summer 84	MAP REF. NO.: 84-094-25	FIG. NO.:
DRAWN BY: I.T.		21
DATE: NOV 84	N.T.S. NO.: 92B /13E	