013549

PEACH L. SYENODIORITE

	2	5	9	10	13	16		17	19	T.	
Pc	40	45	40	47	50	65	65	42	50	350	43
Kf.	25	25	30	25	20	18	18	25	22	153	19.1
Px.	20	20	10	20	20 → Hb.	15	15	20	20	145	16.9
Bi.	10	5	17½	5	–	–		10	5	52½	5.3
Opqs.	4.5	5	2½	3	5	2	2	3	3	28	3.4
Qtz.					3-5	< 1					
	An 54-24.			An42		An 39-53 + 10.					
	½ AP.	AP SPHEN.	AP.	AP ✓		AP.		AP.	AP1.		
	99.5	100	100	100	95 100	100		100	100		

87.7
20

200
100
80
14
394

172
122
394

172
100
107
379

47.5%
23.8
18.1
6.5
3.5

370
190
145
51
35
791

PEACH L.

DDH F-1 – L.36+00E, 62+00S BRG 180° – 45°

FOOTAGE	DESC	STRUCTURE	ALT	MET. MIN.
0 – 15	OB. – POSS LATE DIKE 10-15'			
15 – 92	FG. DI WITH ABUNDANT PINK ALT. SOME EP-MT-PY VEINLETS & CHLIS SLIPS.		PINK. EP. MT-PY VEINLETS.	
	74-92 – – – –	EXCELLENT PINK STOCKWK		
	CONTACT CA. 90° AXIS.	FOL. DI CA. 75 AXIS.		
92 – 127	MOTILED. HBFSIC. PYROCLASTIC BRECCIA.			
	100-101 – AP. DYKE WITH PY.			PY.
	104-105' MT. VEIN + EP. SEVERAL SMALLER MT VEIN WITH EP. ENVELOPES			MT.
127 – 142	DI WITH ABUNDANT EP. PINK ALT.		EP-PINK.	
142 – 186	HBFSIC VOLC. MUCH EP ALT. MOTILED & PYROXTIC.	QTZ-CLAY SEEM 147	EP.	
	182 – 1' APLITE			
186 – 201 TD.	FG. DI WITH PINKISH CAST & GN HB. THROUGHOUT.			

TIM GRID.

124+05S. 19+00E. BRG 270 – 45°

0 – 2 LIKE Q1 ONLY ALMOST ALL GNEISSIC VOLC. – 30° AXIS

MOTILED = PYROXTIC SOME HB. GRANITE IN FIRST 50'. – ONLY MINERAL PY.

PEACH LAKE 2 JULY ASB.
DDH - A2. - TRENCH #2 - BRG 350° - 60°

FOOTAGE	DESC.	STRUCT.	ALT.	MET. MIN.
0-6	OB			
6-92	TYPICAL FG. DI. WITH RED ALT. STOCKWORK	STOCKWORK	RED ALT.	MAL, P.C
	- SOME GN W. FRACT COATINGS + CP. WITH RED ALT.		24-33 WEATH. RUSTY.	CP. MAL. PC.
	55 - VERY FRESH - LESS STOCKWORK BUT SOME BK AMPH. WITH PINK ENVELOPES & CP.		50' - EP AP.	CP. 1-2%
66'	172 - SP.			CP 0.2 ±
	GRADATIONAL CONTACT OVER 2' OR SO.			
92-150	MOTLED FG. HRFS = META VOLCANIC CUT BY AMPH. FRAC + RED & BLEACHED ENVELOPES - ALSO APLITE VEINLETS & LATE CHALCEDONY VEINLET ⊥ AXIS. BEST OR DEF ASS. WITH GN AMPH. COATINGS & RED ALT. ENVELOPES. CP REPLACES AMPH. ALSO TOURMALINE ROSETTES. AROUND OBSCURE CONTACT CA. 150'		ASSAY 0.43/40FT 135'-175'	CP. CA 0.1-0.7 CP 124-160 - 0.5% Cu.
150-178	VFG DI CHOPPED UP BY AP & RED ALT & SMALL SLICK JOINTS - SOME INCLUSIONS OF VOLC. HRFS?			TR CP 0.1
178-205	BETTER FG. DI WITH STOCKWORK BEYOND 193 LESS RED ALT. & CP. COULD REALLY BE JUICED UP. VOLC BRECCIA	AMPH - RED		CP TO 193. DI OF
205-248 TD.	DI LOOKING JUICED UP VOLC. HRFS - MOTLED & VARIABLE - GENERALLY BIOTITIC. - COULD BE DI POSSIBLY	RED ALT.		CP. 226 OTHERWISE NOT MUCH

TRENCH #2 BRG 170° - 45° BQ

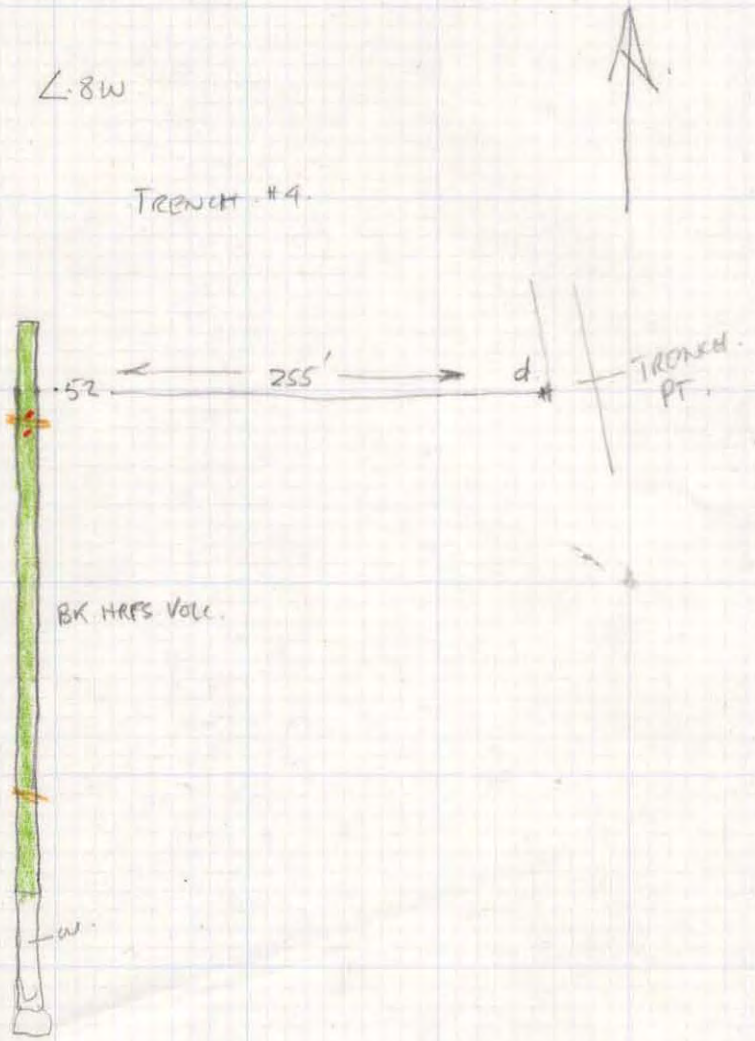
A-1	OB			
0-4	DI LOOKING HRFS?	RED ALT.	RED ALT	CP 0.1 ±
4-18	DI. - RED ALT STOCKWORK			CP MAL 0.1
18-41	DI LOOKING HRFS WITH SUB ANG DI FRAGMENTS.		EP. - RED ALT	
41-66	DI		RED ALT AMPH VEIN	TR CP
66-100	LATE APB BEARING GREY STONY DYKE.			
100-105	KAOLINIZED DI.			
105-111	DI			CP. IN AMPH. JOINT
111-300 TD.	160-180 (169 - FELDSPATHIC VEIN WITH MUCH CP)			TR CP
	180			
	212-214 - AP-SYENITE DYKE			TR CP.
	271-281 KAOLINITE			

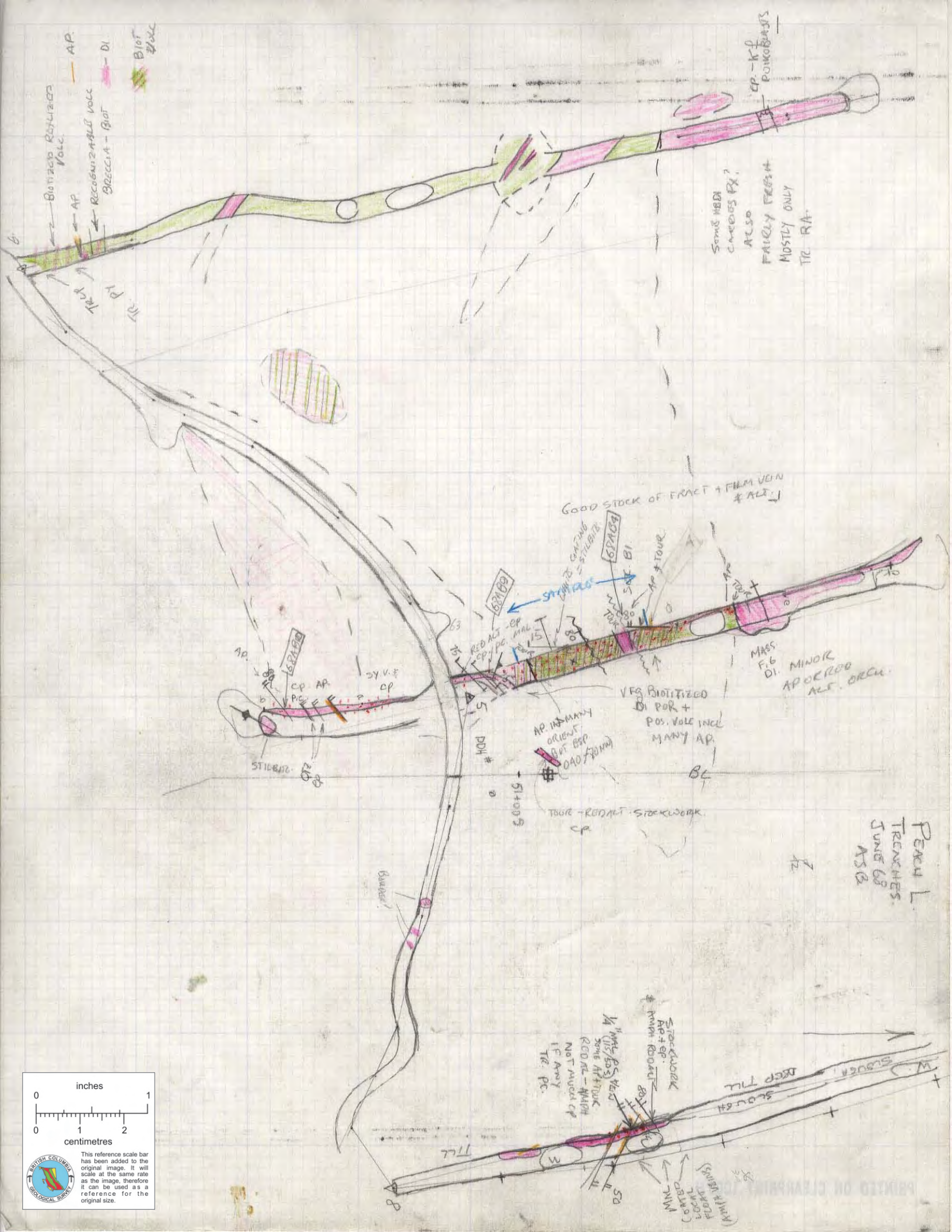
PEACH LAKE DD. LOGS. 2. JULY 68 ASB

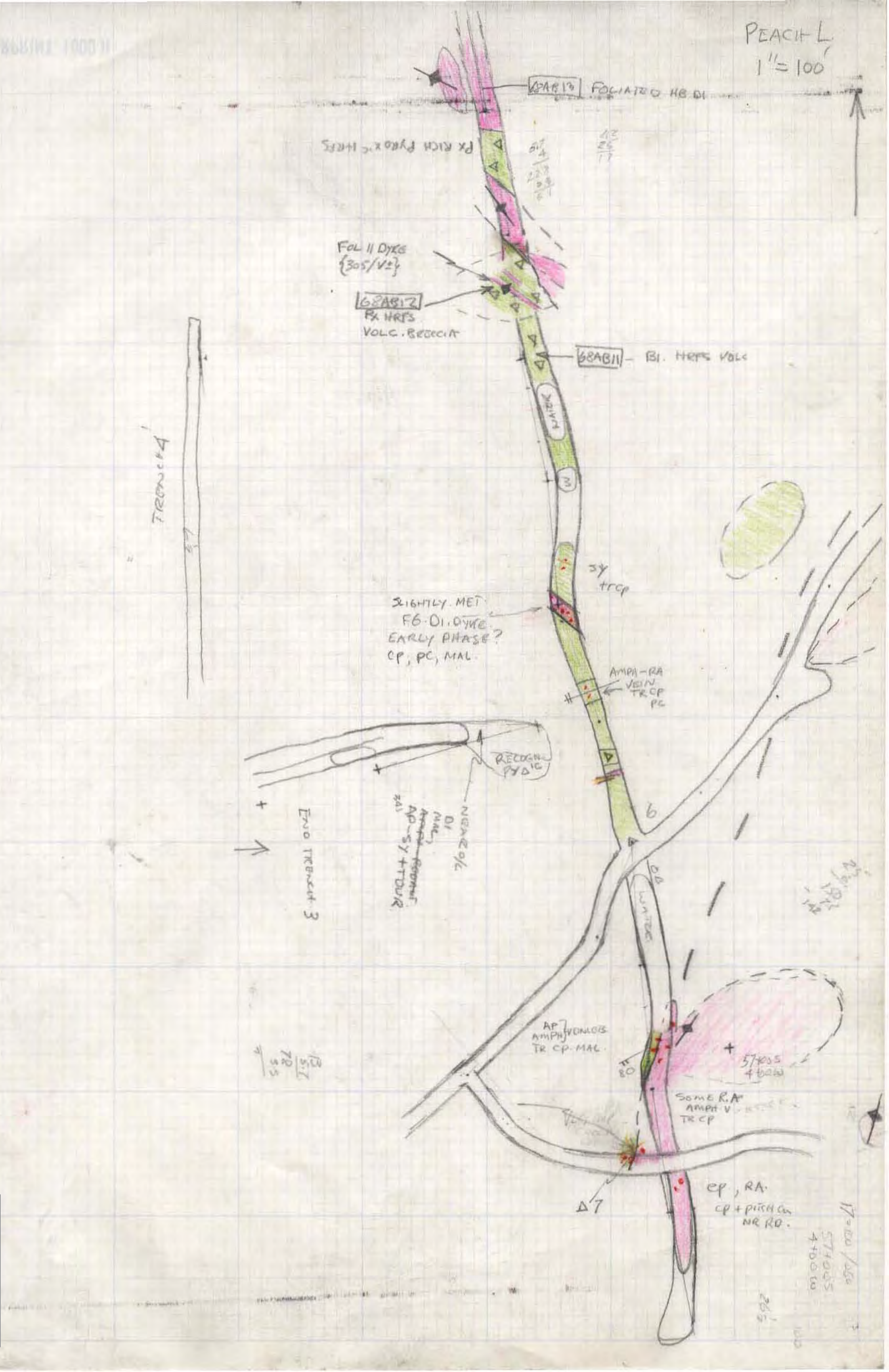
TIM GRID

DDH # 01. (13+75 S. 18+00 E. BRG. 270 -45°

FOOTAGE		STRUCTURES TO AXIS.	ALT.	METAL
0 - 18	OB			
18 - 19	PINK APLITE			
19 - 86	GNEISS. - BI.-FELD. WITH FELSIC CLOTS. & BI-PY LOOKS LIKE STRETCHED HFPS'E BRECCIA cf 40'	30°	EP.-Kf?	PY
86 - 88	PURPLY-BROWN DYKE BASALT - INSIGNIFICANT THICKNESS	?		
88 - 90	GNEISSIC HFPS		EP	PY
90 - 91	CS. PINK GRANITE DYKE - NO CHILL - NO SPECIAL MET OF GNEISS.	60°		
91 - 122 114 - 117 120 - 122	CONT GNEISS BUT BECOMES MORE INTENSE. WITH BLEACHING BANDS - PY$_A$ EP BANDS YOUNGER THAT FELDSPATHIZATION - GNEISS BECOMES CSFR TO 122 [NOTE SOME GNEISS IS ACTUALLY GN'S DIORITE SIMILAR BUT DRAWN OUT CONTACT WITH VOLC GN.]		EP - AP. STRINGERS	PY.
122 - 124	CS. ~~HB~~. PINK GRANITE. HB. 15, QTZ - 15-20 CS PHENO Kf - 30 PL - 35	30°		
124 - 125	GNEISS DI			
125 - 126	GR			
126 - 127	GN: DI			
127 - 128	GR			
128 - 162	GNEISS CUT BY SMALL AP. - CUT BY QTZ-TOUR VEIN. NOTE GNEISS IS GNEISSIC DIORITE - CUT BY ~~BIO~~ ALT. BOTH YOUNGER & SAME AGE AS GN'S FABRIC	30°	EP.	PY 1%
162 - 179	GNEISS. VOLC.? - CHLORITIC FISSILE 164-165 SOME HIGHLY MOTTLED WITH ROLLED OUT LENSES = CLASTS OF PORPHYRY - MAFIC MIN = HB ?		CHL.	PY 3% TO 1%.
179 - 180	APLITE.	11 AXIS		
180 - 181	GNEISS AMPHIBOLITE			
181 - 184	PINK HB GRANODIORITE			
184 - 203	MOTLED AMPHIBOLITIC GNEISS (META VOLC BRECCIA) BECOMES VERY BLACK - SOME SHEARED & CHLORITIZED SUB II GNEISS.	30°	PINK + EP	3-5% PY
203 - 208	GNEISSIC DIORITE		P	3
208 - 243	GNEISSIC AMPH. META VOLC		PINK	3% PY.
243 - 282	MG. GNEISSIC DI WITH PINK ALT & STRUNG OUT MAFICS. LOOSES PINK ALT. - MAY BE CS SHEARED EQUIVALENT OR SHOWINGS - POSSIBLY NOT. - FAIR BIT CS EQ BUT CA. 128-162 DOES SIMILAR TO DI OR SHOWINGS & FOLIATED RATHER THAN SHEARED.		PINK	2-3% PY
282 - 297	AMPHIB. GNEISS			3-5% PY
297 - 351	FG DI ONLY SLIGHTLY GNEISSIC CONT VERY TYPICAL WITH AP. VEINLETS - CUT BY QTZ-PY & WITH MUCH RED ALT. (317. PY DROPS TO ABOUT 1% CA 320 [ASB 18] TP OF CONTACT.	30° AXIS		
351 - 444 (420-426)	MOTLED AMPH-FELD GNEISS = META VOLC., CONT TO TD. EXCEPT. GN: DI			1-3







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DR. J. R. WOODCOCK
CORONEX LTD.
1521 PEMBERTON AVE, N. VANCOUVER

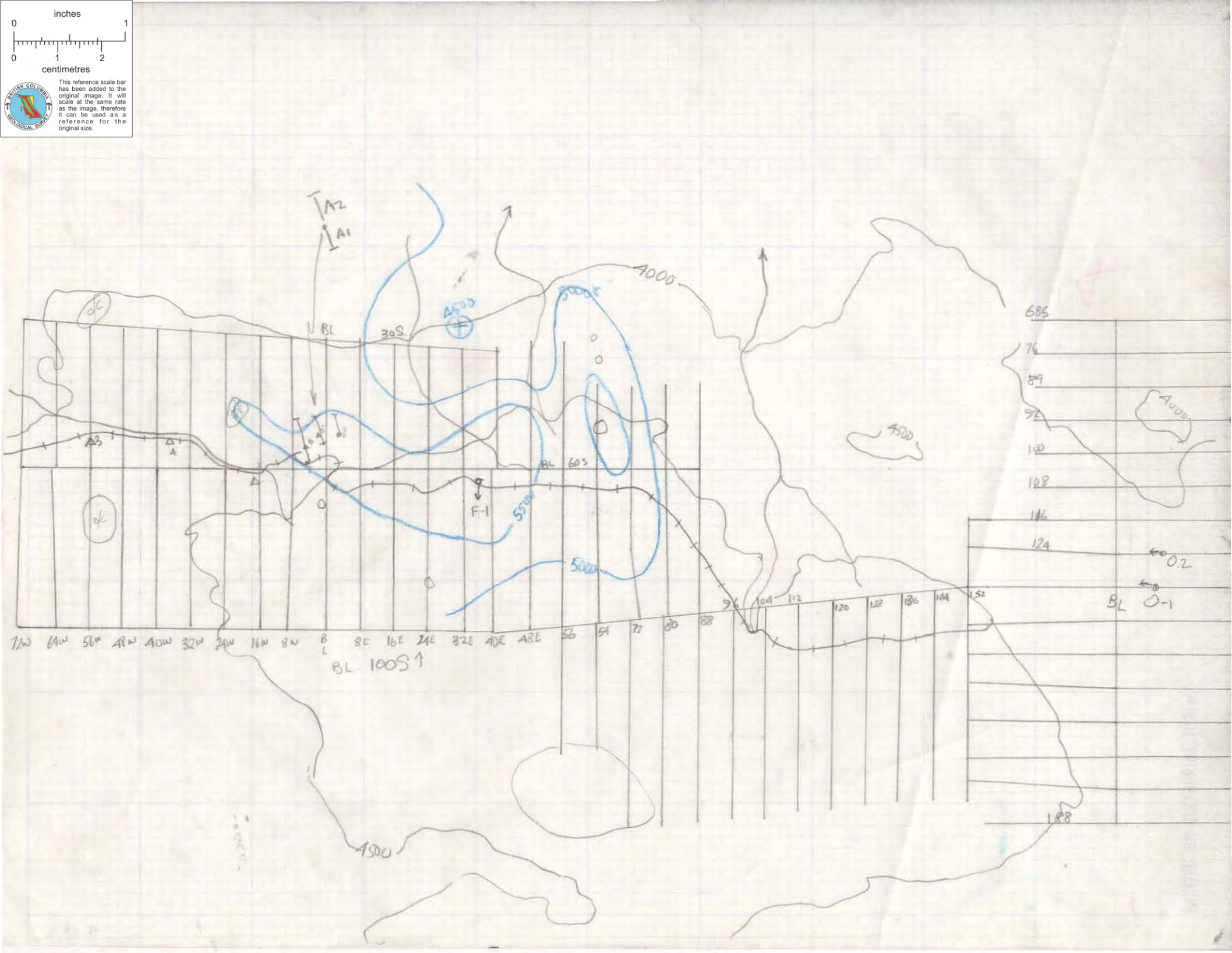
DEAR DICK:

I AM RETURNING YOUR DATA BY EXPRESS AS THE POSTMEN ARE BEING A BIT SELFISH.

I SPENT 5-6 DAYS ON PEACH GROUP & VICINITY COULD HAVE SPENT CONSIDERABLY MORE BUT I DID NOT HAVE THE TIME. THE LONGER I SPENT THE BETTER I FELT ABOUT MY INTERPRETATION OF THE GEOLOGY. I ENCLOSE TWO SKETCHES. AS I SEE IT METASOMATIZED HORNFELSIC PYROCLASTIC ROCKS ARE RELATIVELY RARE AND CONFINED TO THE VICINITY OF BONA FIDE INTRUSIVE ROCKS, THE FINE DIORITES. THESE MAY BE SYENO-DIORITES BY THE LOOK OF THE MATRIX. YOU WILL NOTE IN THE MAP OF THE TRENCHES, FOLIATION (OR PLAGIOCLASE ± HORNBLENDE) IS STEEP SUBPARALLEL WITH CONTACTS IN MOST CASES. NOT THE SORT OF THING YOU WOULD EXPECT IN METASOMATISM. IN THE LONG TRENCH (1?) THERE IS A GRADATION TO THE NORTH FROM BIOTITE TO PYROXENE HORNFELS. COPPER MINERALIZATION IS IN PART RELATED TO CONTACT AREAS ~~&~~ IN PART TO ROUGHLY EAST-WEST FRACTURE STOCKWORK ± IN PART TO SOMETHING ELSE POSSIBLY ~~&~~ SOME EAST WEST FAULTING. THE LITTLE BIT OF EXPOSURE IN THE EASTERN TRENCH LOOKED QUITE INTERESTING WITH DEFINITE COPPER RICH VEINLETS. WHEN I HAVE STUDIED THE MATERIAL I COLLECTED I WILL HAVE MORE COMMENTS BUT THOUGHT YOU WOULD AT LEAST LIKE THE SKETCHES NOW

REGARDS.

ATHOLL



OFFICE OF THE CHIEF ANALYST AND ASSAYER

THE GOVERNMENT OF
THE PROVINCE OF BRITISH COLUMBIA

DEPARTMENT OF MINES AND PETROLEUM RESOURCES
VICTORIA

SAMPLE RECEIVED FROM Dr. A.S. Brown

ADDRESS Mineralogical Branch

LABORATORY No.	SUBMITTER'S MARK	LABORATORY REPORT
10409M	9914	Assays: Gold trace Silver trace Copper 0.14% Peach Lake

DATE November 4, 1969

S. Metcalfe

CHIEF ANALYST AND ASSAYER.