842168

113289H, 113296 to 113333 H
Sample Nos. 113260 H to 113276 H

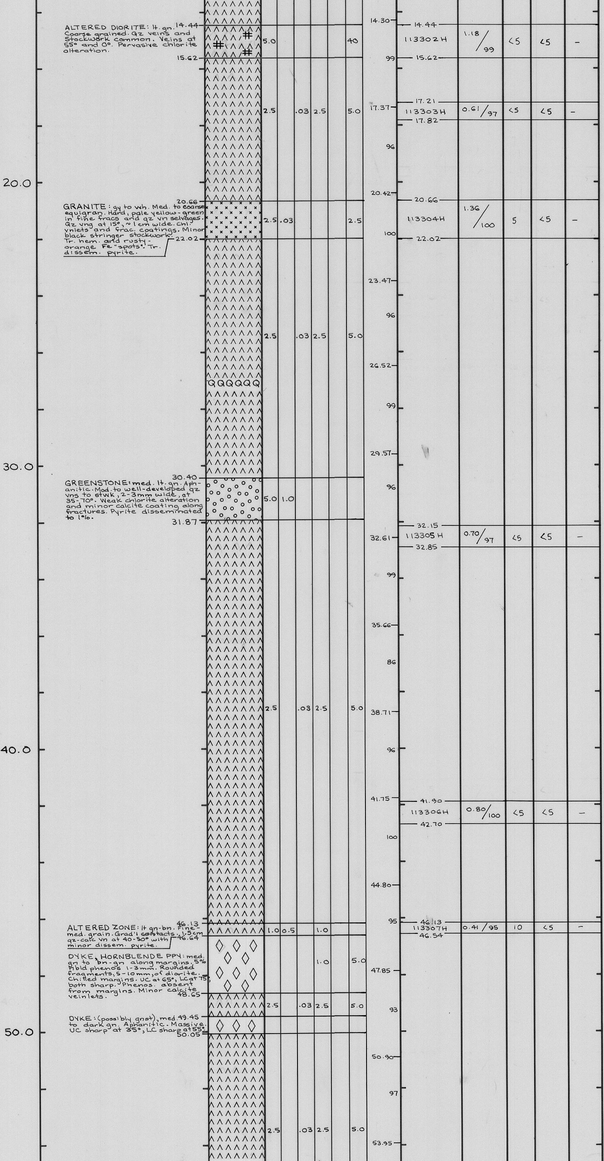
inches
0 1
0 1 2
centimetres
This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.
BRITISH COLUMBIA GEOLOGICAL SURVEY

CHEVRON CANADA RESOURCES

HOLE No. WS 87-003	**PROJECT** M577	**PROPERTY** WAYSIDE	**STARTED:** 87-11-03 **FINISHED:** 87-11-08
COORDINATES **N:** 5634886.0N **E:** 511384.0E	**AZ.:** 205.0° **EL.:** 833.0M	**DIP-COLLAR:** -52.0° **ACID DIP TESTS:** 60.96M : -52.5° 137.16M : -52.5° 212.45M : -53.0°	**T.D.** 236.83M **LOGGED BY:** LDM

⁙	OVERBURDEN	o o o	GREENSTONE	▲ ▲ ▲	BRECCIA
b b b	BASALT	v v v	VOLC. FLOWS	※ ※ ※	STOCKWORK
◇ ◇ ◇	DYKE	– – –	CHERT	Q Q Q	SILICIFIED
x x x	GRANITE	^ ^ ^	DIORITE	D D D	DOLOMITIZED
☰	ARGILLITE	s s s	SERPENTINITE	bx (d)	breccia (ted)
▦	LIMESTONE	ʌʌʌ	FAULT	fgm (s)	fragment (s)
▨	DOLOMITE	∼ ∼	GOUGE	mx	matrix
				vn (lt)s	vein (let) s
				str	stringer
				fcts (a)	fractures (ing)
				ss	slickenside
				diss.	disseminated
				xls	crystals
				bl.	bleached
				py	pyrite
				cr	carbonaceous

m	REMARKS		% ALTERATION: SILICA	PYRITE	CLAY	CARBONATE	MARIPOSITE	CHLORITE	%RECOVERY BETWEEN BLOCKS	SAMPLE INTERVAL	SAMPLE LENGTH %REC.	ICP As ppm	Geochem Au ppb	Assay Au oz/ton
0.0	OVERBURDEN: no core recovered								0					
3.66	FRACTURED ZONE: same as main interval but well-fractured with limonite staining on fractures. DIORITE: dark green-gray. Fine to medium grained, equigranular. Granite bands 2-3%. Weak quartz veinlets. Minor black (chloritic) stringers. Greenstone bands: 1-50cm, dark green, cut by very fine calcite stringers. Greenstone is 5% of interval. 9cm quartz vein 10.40-10.57m; UC sharp at 80°, 2-3cm chloritic clay gouge at LC at 75°. LC cuts off a 1cm wide brecciated chloritic vein that trends at 15-20°. Greenstone contacts generally sharp at 40-60°. 4cm qz vein at 27.07m at 65°. 2.5 cm quartz vein at 50° at 54.70m.	^ ^ ^	2.5		.03	2.5		5.0	3.66 62 4.57 108 5.18 88 8.23 90					
10.0		Q Q Q								10.30 113260H 10.66	0.36 / 90	<5	<5	–
		^ ^ ^							11.28 98					



ALTERED DIORITE: lt. gn. Coarse grained. Qz veins and Stockwork common. Veins at 55° and 0°. Pervasive chlorite alteration. 14.44–15.62

GRANITE: gy to wh. Med. to coarse equigran. Hard, pale yellow-green in fine fracs and qz vn selvages. Qz vng at 15°, ~1 cm wide. Chl. vnlets and frac. coatings. Minor black stringer stockwork. Tr. hem. and rusty-orange Fe "spots". Tr. dissem. pyrite. 20.66–22.02

GREENSTONE: med. lt. gn. Aphanitic. Mod. to well-developed qz vns to stwk, 2-3mm wide, at 35-70°. Weak chlorite alteration and minor calcite coating along fractures. Pyrite disseminated to 1%. 30.40–31.87

ALTERED ZONE: lt gn-bn. Fine-med. grain. Grad'l contacts. 1.5cm qz-calc vn at 40-50° with minor dissem. pyrite. 46.13–46.64

DYKE, HORNBLENDE PPY: med. gn to bn-gn along margins. 5% hbld phenos 1-3mm. Rounded fragments, 5-10mm, of diorite. Chilled margins. UC at 65°, LC at 75°, both sharp. Phenos. absent from margins. Minor calcite veinlets. 48.65

DYKE: (possibly gnst), med. to dark gn. Aphanitic. Massive. UC sharp at 35°, LC sharp at 55°. 49.45–50.05

14.44	5.0					40
15.62	2.5		.03	2.5		5.0
20.66	2.5	.03				2.5
22.02	2.5		.03	2.5		5.0
30.40	5.0	1.0				
31.87	2.5		.03	2.5		5.0
46.13	1.0	0.5		1.0		
46.64				1.0		5.0
48.65	2.5		.03	2.5		5.0
50.05	2.5		.03	2.5		5.0

14.44 15.62	113302H	1.18/99	<5	<5	–
17.21 17.82	113303H	0.61/97	<5	<5	–
20.66 22.02	113304H	1.36/100	5	<5	–
32.15 32.85	113305H	0.70/97	<5	<5	–
41.90 42.70	113306H	0.80/100	<5	<5	–
46.13 46.54	113307H	0.41/95	10	<5	–

59.60

60.0

GREENSTONE:
dark green. Aphanitic to fine-grain. Very well to extremely well fractured. Moderate calcite veins/veinlets. 7cm calcite vein at LC at 45°. Rare quartz-calcite veins 5-10mm wide. Moderate chloritization. Possibly tuffaceous. Trace to minor disseminated pyrite. Trace of pinkish, crystalline quartz veins.

68.54

DIORITE:
green and white. Medium to coarse grained. Equigranular. Quartz and quartz-calcite veining moderate/towel. Chloritization common. Minor clays developed along fractures, as well as minor serpentine and talc.

70.0

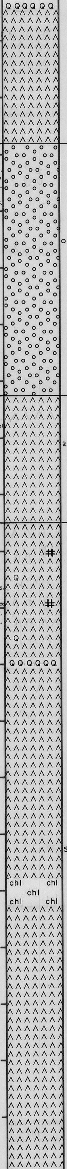
72.96

HIGHLY FRACTURED: medium green-gray to light green. Grain size variable. Tends to be fine-grained overall. Calcite veins to stockwork. Quartz veining and silicification patches common. 1-2 cm quartz vein at 77.91m at 25°. Stockwork of black stringers. Extremely well fractured to shattered. 85.56 - 86.40M: crumbled intensely altered, chlorite to 90%. Local slickensides on fractures. Intense chlorite/talc alteration throughout. Weak to moderate foliation trend at 45°. Dissem. pyrite locally 2-3%.

Mislatch at 78.73m.

80.0

90.0



59.60–68.54	0.5	0.1		1.0		10
68.54–72.96	2.5		0.1	1.0		20
72.96–	5.0	2.5	5.0	1.0		80

	99
57.00	
	98
60.04	
	76
63.09	
	98
66.14	
	96
69.19	
	93
72.24	
	45
75.29	
	66
78.33	
	20
81.38	
	86
84.43	
	86
87.48	
	91
90.53	
	96
93.57	
	94

68.54 – 69.54	113308H	1.00/95	<5	<5	–
69.54 – 70.54	113309H	1.00/93	<5	<5	–
70.54 – 71.54	113310H	1.00/93	<5	<5	–
71.54 – 72.96	113311H	1.42/69	<5	<5	–
72.96 – 75.29	113261H	2.33/45	<5	<5	–
75.29 – 76.81	113262H	1.52/66	<5	5	–
76.81 – 78.33	113276H	1.52/66	<5	<5	–
78.33 – 81.38	113263H	3.05/20	<5	<5	–
81.38 – 82.91	113264H	1.53/86	<5	10	–
82.91 – 84.43	113265H	1.52/86	<5	<5	–
84.43 – 85.56	113266H	1.13/86	<5	<5	–
85.56 – 86.40	113267H	0.84/86	<5	<5	–
86.40 – 87.48	113312H	1.08/86	<5	<5	–
87.48 – 88.43	113313H	0.95/91	<5	<5	–
88.43 – 89.53	113314H	1.10/91	<5	<5	–
89.53 – 90.53	113315H	1.00/91	<5	<5	–
90.53 – 91.56	113316H	1.03/96	<5	<5	–
91.56 – 92.56	113317H	1.00/96	<5	<5	–
92.56 – 93.57	113318H	1.01/96	5	<5	–
93.57 – 94.57	113319H	1.00/94	<5	<5	–
94.57 – 95.62	113320H	1.05/94	<5	<5	–

97.77

SERPENTINE ZONE: dark green. Remnant crystals altered to biotite and chlorite. Extremely well fractured to shattered. 60% serpentine. Shearing may be at 50°. Talc associated with chloritization. 5% quartz patches. 16cm chloritic clay gouge from 98.46m, UC probably at 65°, LC possibly at 50°. 1-2% minor fine disseminated pyrite.

100.0

101.07

DIORITE/GRANITE MIX: green and white. Coarse grained; Equigranular. 25% granite mix. Less chloritized than main interval. Angular fragments of greenstone, 1-50 cm, caught up in intrusive from 111.50 - 112.63m. Minor disseminated pyrite.

110.0

112.63

SERPENTINE ZONE: dark green with patches of green-white intrusive 5-10%. Fine to medium grained. Extremely well fractured to shattered. 60% serpentine. Slickensides on fractures. Possible disseminated pyrite.

116.94

DIORITE: dark green. Medium to coarse grained, very coarse locally. 2-3% granite patches. Pervasive chloritization - 30% with minor serpentine to talc developed along fractures - pale green to white. Slickensides common. Patches of white to pale green quartz (from 121.12 - 121.62m) weakly to moderately crackled by very fine pale gray quartz veinlets. Clots of sericite in the quartz patches to 0.1%. Trace disseminated pyrite.

120.0

125.90

DYKE, HORNBLENDE-FELDSPAR PORPHYRY: medium to dark green. 3% hornblende phenos 1-3mm; 0.5% feldspar phenos, 1 mm. UC irregular at approx. 15°, LC at 80°.

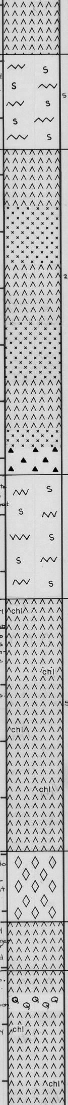
128.42

DIORITE: dk. gn; med. to very coarse grained. 30% granite bands with intense black stringer stockwork. Pervasive chlzn - 30% with minor serpentine along fractures. Minor disseminated pyrite to 1%.

130.0

130.10

FRACTURED ZONE: dark green. Medium to very coarse grained. Very well-fractured to shattered. Pervasive chloritization - 30 to 40%, serpentine along fractures to 5%. Quartz veins at 40-60° at 131.00 - 131.40, clay alteration along contacts. Fractures at 0° and 45-50°.



97.77–101.07	5.0	0.5			80
101.07–112.63	2.5	0.1		1.0	15
112.63–116.94		?			70
116.94–125.90	5.0	.03			35
125.90–128.42		1.0			35
130.10–	2.0		0.5		45

96.62	
	93
99.67	
	96
102.72	
	100
105.77	
	96
108.81	
	100
111.86	
	91
114.91	
	95
117.96	
	100
121.00	
	92
124.05	
	92
127.10	
	99
130.15	
	78
133.20	
	96

–96.62	113321H	1.00/94	<5	<5	–
97.77–98.46	113268H	0.69/93	<5	5	–
98.46–99.17	113269H	0.71/93	<5	<5	–
99.17–100.17	113270H	1.00/94	<5	<5	–
100.17–101.07	113271H	0.90/96	5	<5	–
104.00–105.00	113322H	1.00/100	5	<5	–
105.00–106.26	113323H	1.26/98	<5	<5	–
112.07–112.63	113324H	0.56/91	5	<5	–
112.63–113.77	113272H	1.14/91	<5	<5	–
113.77–114.91	113274H	1.14/91	<5	<5	–
114.91–115.93	113273H	1.02/95	<5	<5	–
115.93–116.94	113275H	1.01/95	<5	<5	–
121.12–121.62	113325H	0.50/92	<5	<5	–
121.62–122.40	113326H	0.78/92	<5	<5	–
130.15–131.00	113327H	0.85/78	<5	<5	–
131.00–131.50	113289H	0.50/78	<5	<5	–

135.49 — less fractured than the nested interval. Quartz veins at 45-55°.

136.71

139.29

DIORITE:

140.0 Relatively fresh. Dark green with white. Medium grained, equigranular. Weak to moderate veining, mostly quartz. Veining commonly at 5° and 45-60°. 5-10% chloritization. 1-2% granite. Some finer grained sections locally. Bleaching around veins common. Faint yellow-green alteration from 229.40 - 232.00m. Minor feldspar porphyry dykes. Local pyrrhotite on fractures. Minor disseminated pyrite to 0.5%.

150.0

160.0

170.0

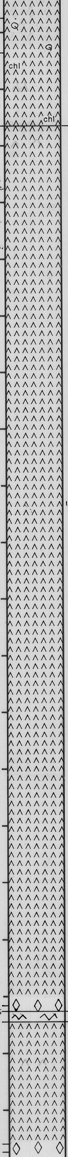
FELDSPAR PPY DYKE

170.55

FAULT ZONE: dk.gn. Fine to med. grained. Chl. alt'n and minor clay-talc devel. on fracs. Very well frac. Minor diss. and cubic pyrite.

170.91

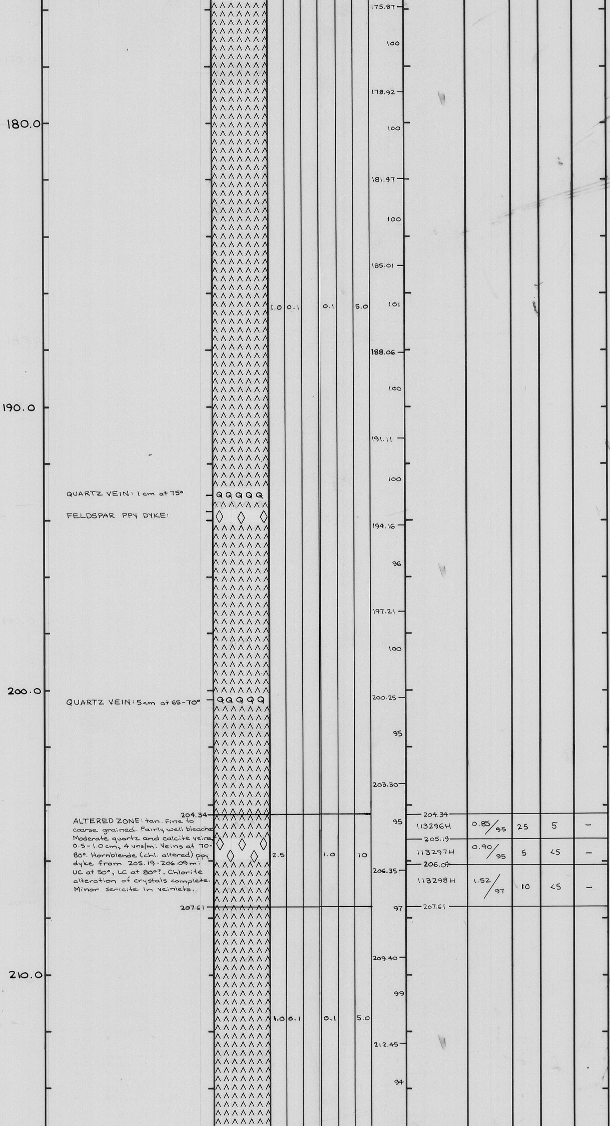
FELDSPAR PPY DYKE



1.0	0.1		0.1		5.0
	0.5	0.1			30

136.25	
	70
139.29	
	100
142.34	
	101
145.39	
	98
148.44	
	99
151.48	
	100
154.53	
	100
157.58	
	101
160.63	
	97
163.68	
	100
166.73	
	97
169.77	
	89
172.82	
	93

135.49 – 136.71	113328 H	1.22/85	<5	<5	–
151.48 – 152.48	113329H	1.00/100	<5	<5	–
152.48 – 152.83	113330H	0.35/100	<5	<5	–
152.83 – 153.83	113331H	1.00/100	<5	<5	–
153.83 – 155.33	113332H	1.50/100	<5	<5	–
155.33 – 156.33	113333H	1.00/100	<5	<5	–



QUARTZ VEIN: 1 cm at 75°

FELDSPAR PPY DYKE:

QUARTZ VEIN: 5 cm at 65-70°

204.34

ALTERED ZONE: tan. Fine to coarse grained. Fairly well bleached. Moderate quartz and calcite veins, 0.5-1.0 cm, 4 vns/m: Veins at 70-80°. Hornblende (chl. altered) ppy dyke from 205.19-206.09 m: UC at 50°, LC at 80°?. Chlorite alteration of crystals complete. Minor sericite in veinlets.

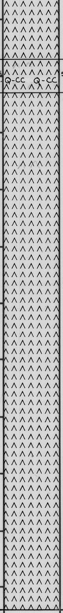
207.61

204.34					
	113296H	0.85/95	25	5	–
205.19					
	113297H	0.90/95	5	<5	–
206.09					
	113298H	1.52/97	10	<5	–
207.61					

220.0

230.0

217.40	ALTERED ZONE: lt. gn to gy. 10 cm. of qz-calc vn. at 218.00-218.20m, at 65-80°, chl^c clays around veins. Tan and chl. alter'n pervasive. Foliation at 30°. Fairly well bleached. Minor dissem. pyrite.	218.64
236.83	END OF HOLE	



217.40–218.64	5.0	1.0	1.0	10		30
218.64–236.83	1.0	0.1		0.1		5.0

215.49	93
218.54	100
221.59	97
224.64	97
227.69	100
230.73	100
233.78	99
236.83	

217.40	113299H	0.60/93	<5	<5	—
218.00	113300H	0.20/93	<5	<5	—
218.20	113301H	0.44/93	<5	<5	—
218.64					